

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081418\
 Data File : VN050620.D
 Acq On : 14 Aug 2018 23:25
 Operator : MD\SY
 Sample : VN0814WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/15/2018 3:32:25 PM

Quant Time: Aug 15 13:45:49 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
 Quant Title : SW846 8260
 QLast Update : Tue Aug 14 08:07:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	639154	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	925022	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	860594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	424390	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	398897	49.51	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.02%	
35) Dibromofluoromethane	7.59	113	371708	50.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.66%	
50) Toluene-d8	10.09	98	1391945	50.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.16%	
62) 4-Bromofluorobenzene	12.40	95	449443	48.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.90%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	136422	18.93	ug/l	98
3) Chloromethane	2.06	50	179071	20.10	ug/l	99
4) Vinyl Chloride	2.18	62	182225	19.04	ug/l	98
5) Bromomethane	2.56	94	103479	18.81	ug/l	99
6) Chloroethane	2.70	64	110144	19.75	ug/l	97
7) Trichlorofluoromethane	3.01	101	236678	18.84	ug/l	98
8) Diethyl Ether	3.41	74	79038	18.92	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	144366	19.01	ug/l	99
10) Methyl Iodide	3.95	142	98527	22.66	ug/l	99
11) Tert butyl alcohol	4.79	59	44636	101.47	ug/l	99
12) 1,1-Dichloroethene	3.73	96	131266	18.93	ug/l	99
13) Acrolein	3.61	56	14767	81.34	ug/l	95
14) Allyl chloride	4.32	41	202952	18.81	ug/l	99
15) Acrylonitrile	4.99	53	239395	99.08	ug/l	99
16) Acetone	3.82	43	203594	100.34	ug/l	100
17) Carbon Disulfide	4.05	76	409773	18.78	ug/l	100
18) Methyl Acetate	4.33	43	117633	20.20	ug/l	98
19) Methyl tert-butyl Ether	5.05	73	349858	19.82	ug/l	99
20) Methylene Chloride	4.55	84	158658	19.95	ug/l	97
21) trans-1,2-Dichloroethene	5.04	96	142740	18.98	ug/l	98
22) Diisopropyl ether	5.95	45	447719	20.24	ug/l	94
23) Vinyl Acetate	5.90	43	1446350	99.97	ug/l	99
24) 1,1-Dichloroethane	5.85	63	269291	18.82	ug/l	99
25) 2-Butanone	6.84	43	327756	99.22	ug/l	100
26) 2,2-Dichloropropane	6.83	77	184460	19.26	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	160434	19.16	ug/l	99
28) Bromochloromethane	7.20	49	128328	19.70	ug/l	99
29) Tetrahydrofuran	7.22	42	176365	102.25	ug/l	99
30) Chloroform	7.37	83	273593	18.86	ug/l	99
31) Cyclohexane	7.66	56	237392	19.23	ug/l	# 92
32) 1,1,1-Trichloroethane	7.57	97	231066	18.93	ug/l	98
36) 1,1-Dichloropropene	7.79	75	203476	19.76	ug/l	100
37) Ethyl Acetate	6.93	43	124449	21.38	ug/l	98
38) Carbon Tetrachloride	7.78	117	206761	19.36	ug/l	99

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	207681	19.48	ug/l	98
40) Benzene	8.04	78	627512	20.03	ug/l	100
41) Methacrylonitrile	7.18	41	53657	17.05	ug/l #	82
42) 1,2-Dichloroethane	8.13	62	192134	20.01	ug/l	100
43) Isopropyl Acetate	8.17	43	216574	20.42	ug/l	100
44) Trichloroethene	8.84	130	164348	19.59	ug/l	98
45) 1,2-Dichloropropane	9.12	63	165960	19.90	ug/l	100
46) Dibromomethane	9.21	93	98006	19.90	ug/l	98
47) Bromodichloromethane	9.40	83	203257	19.31	ug/l	98
48) Methyl methacrylate	9.20	41	105141	19.70	ug/l	98
49) 1,4-Dioxane	9.20	88	29504	419.60	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	750274	104.58	ug/l	100
52) Toluene	10.16	92	384223	20.54	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	196901	20.08	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	228139	20.28	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	140510	20.11	ug/l	97
56) Ethyl methacrylate	10.43	69	162708	19.46	ug/l	99
57) 1,3-Dichloropropane	10.71	76	233510	20.38	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	383066	96.40	ug/l	99
59) 2-Hexanone	10.75	43	490587	105.95	ug/l	99
60) Dibromochloromethane	10.90	129	155290	20.14	ug/l	99
61) 1,2-Dibromoethane	11.01	107	134575	20.22	ug/l	100
64) Tetrachloroethene	10.63	164	155766	19.49	ug/l	99
65) Chlorobenzene	11.44	112	422431	19.72	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	154973	19.30	ug/l	100
67) Ethyl Benzene	11.51	91	690244	19.96	ug/l	100
68) m/p-Xylenes	11.62	106	540397	40.86	ug/l	99
69) o-Xylene	11.95	106	256014	20.30	ug/l	99
70) Styrene	11.97	104	418978	19.27	ug/l	100
71) Bromoform	12.13	173	104482	19.63	ug/l #	100
73) Isopropylbenzene	12.25	105	677393	20.43	ug/l	100
74) N-amyl acetate	12.07	43	174687	20.25	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	175061	21.41	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	132696m	18.71	ug/l	
77) Bromobenzene	12.53	156	176852	19.65	ug/l	98
78) n-propylbenzene	12.59	91	765565	20.71	ug/l	99
79) 2-Chlorotoluene	12.68	91	472198	20.48	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	558973	21.06	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	38350	20.09	ug/l	98
82) 4-Chlorotoluene	12.77	91	471384	20.69	ug/l	100
83) tert-Butylbenzene	12.99	119	461973	20.05	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	567917	21.31	ug/l	100
85) sec-Butylbenzene	13.17	105	624661	20.74	ug/l	100
86) p-Isopropyltoluene	13.29	119	536154	21.01	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	304744	19.89	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	292368	19.22	ug/l	99
89) n-Butylbenzene	13.62	91	405083	19.66	ug/l	98
90) Hexachloroethane	13.88	117	98392	19.18	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	296819	19.85	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	23844	20.15	ug/l	97

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ALS Vial : 32 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Manual Integrations
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Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081418W.M
Quant Title : SW846 8260
QLast Update : Tue Aug 14 08:07:08 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	127077	18.35	ug/l	98
94) Hexachlorobutadiene	15.01	225	88991	19.41	ug/l	99
95) Naphthalene	15.13	128	258279	18.46	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	127077	18.98	ug/l	98

(#) = qualifier out of range (m) = manual integration (+) = signals summed

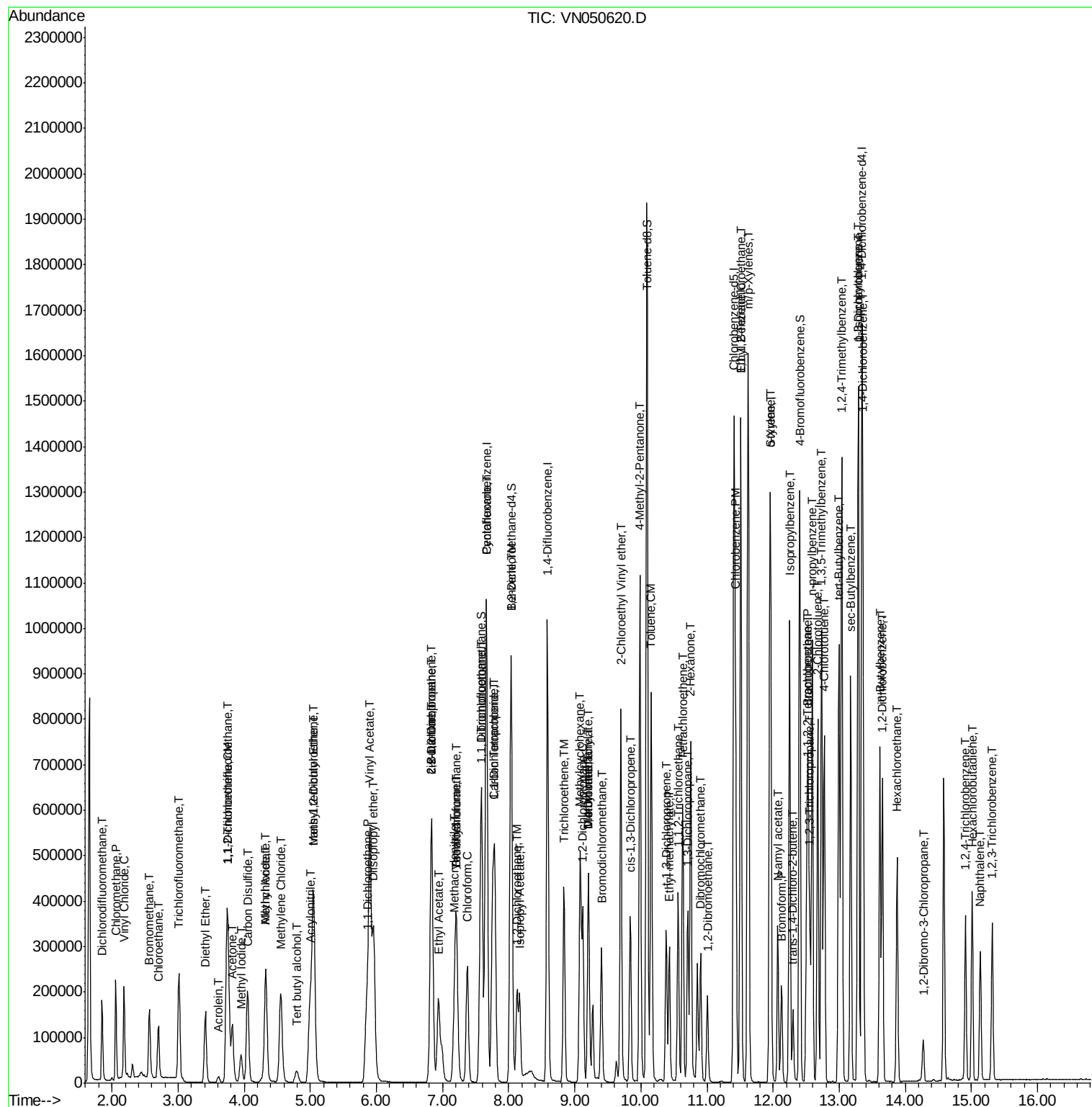
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 Data File : VN050620.D
 Acq On : 14 Aug 2018 23:25
 Operator : MD\SY
 Sample : VN0814WBSD02
 Misc : 5.00mL/MSVOA N/WATER
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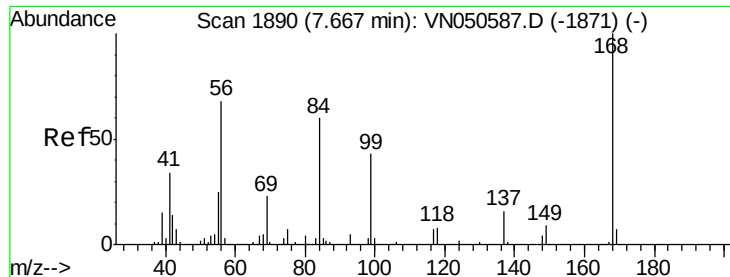
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0814WBSD02

Manual Integrations
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MMDadoda
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 Quant Title : SW846 8260
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 Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion:168 Resp: 639154

Ion Ratio Lower Upper

168 100

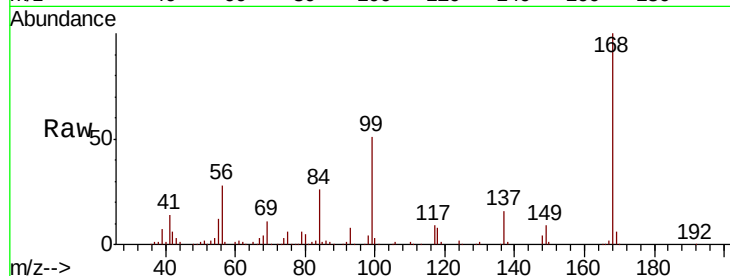
99 50.6 40.8 61.2

Manual Integrations

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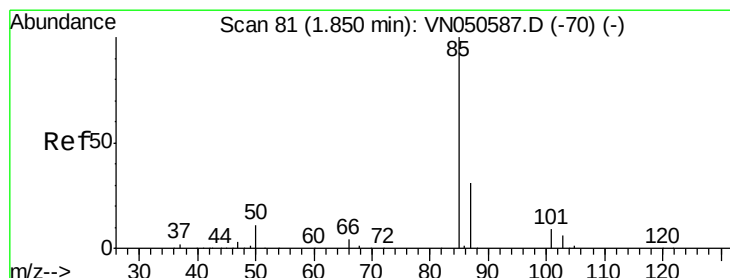
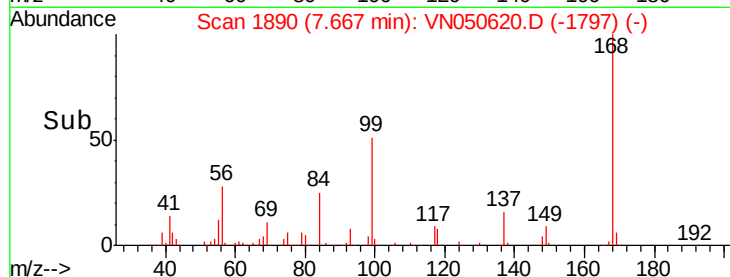
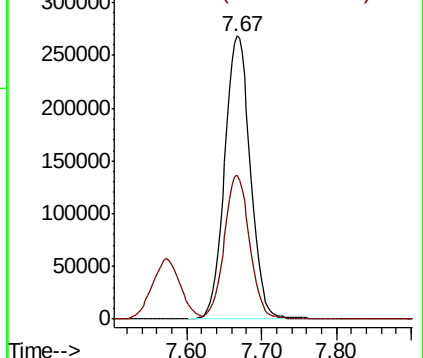
MMDadoda

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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.93 ug/l

RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

Lab File: VN050620.D

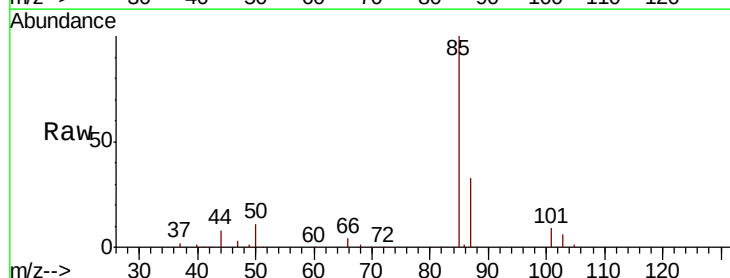
Acq: 14 Aug 2018 23:25

Tgt Ion: 85 Resp: 136422

Ion Ratio Lower Upper

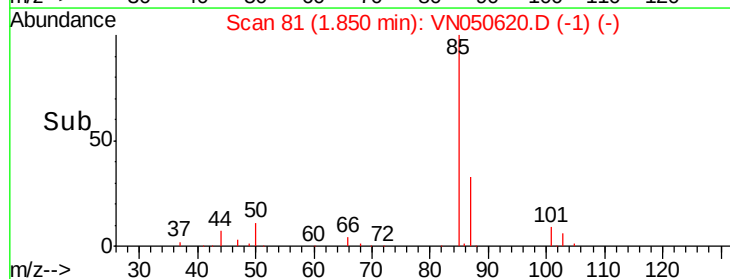
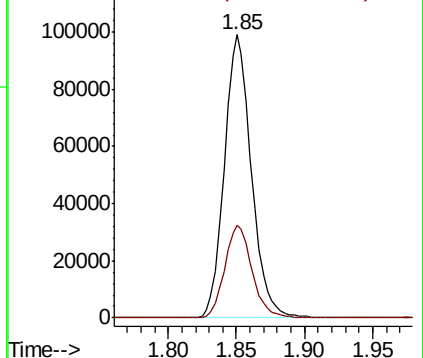
85 100

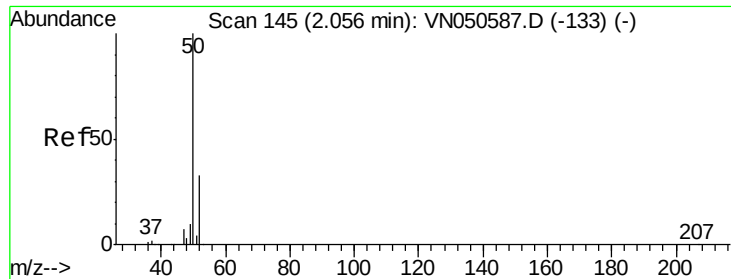
87 32.8 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.10 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 50 Resp: 179071

Ion Ratio Lower Upper

50 100

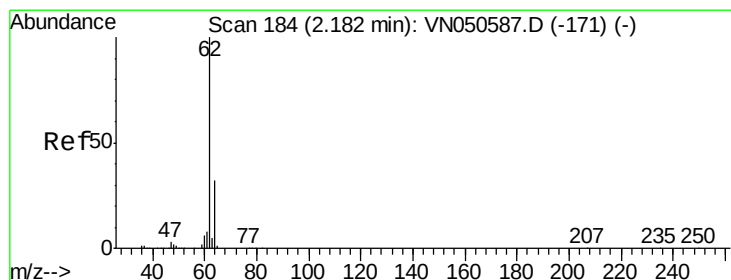
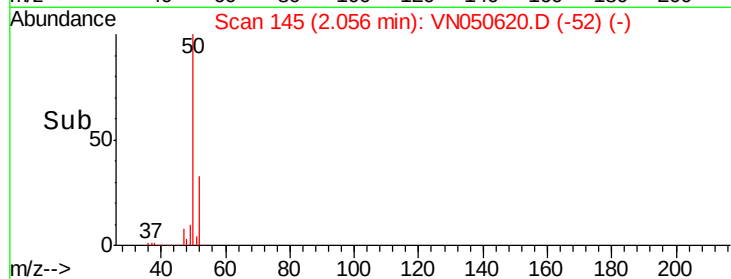
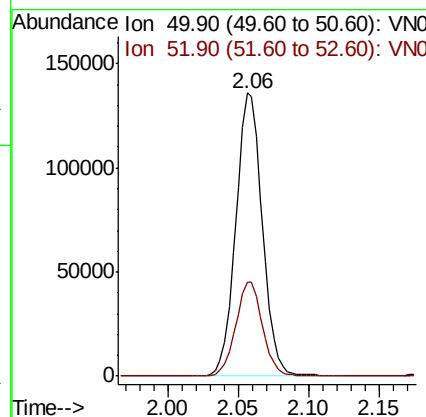
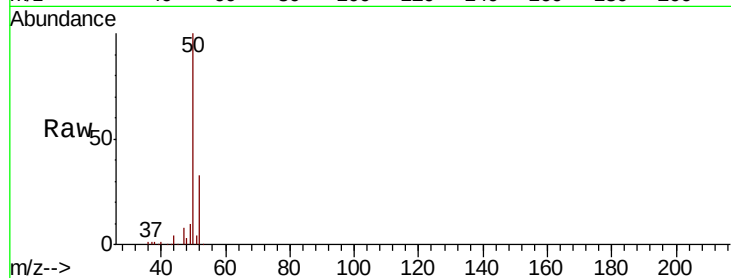
52 33.3 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.04 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN050620.D

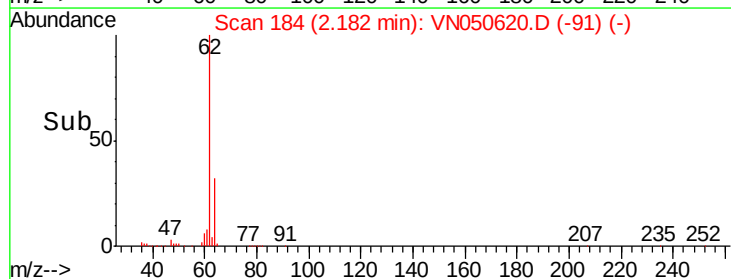
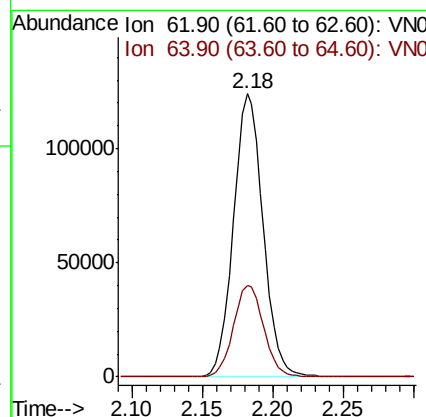
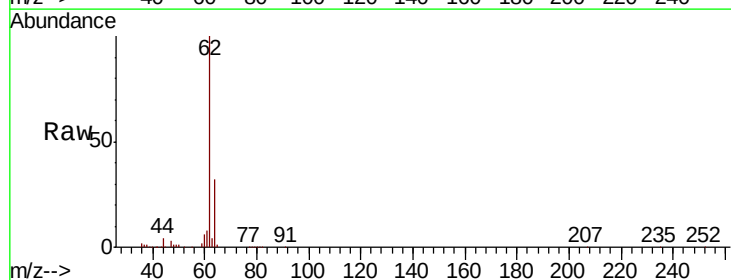
Acq: 14 Aug 2018 23:25

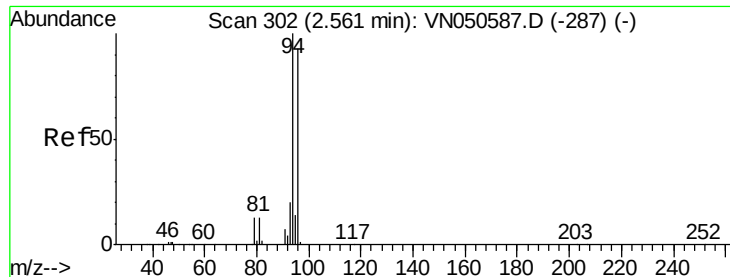
Tgt Ion: 62 Resp: 182225

Ion Ratio Lower Upper

62 100

64 32.5 25.2 37.8





#5

Bromomethane

Concen: 18.81 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 94 Resp: 103479

Ion Ratio Lower Upper

94 100

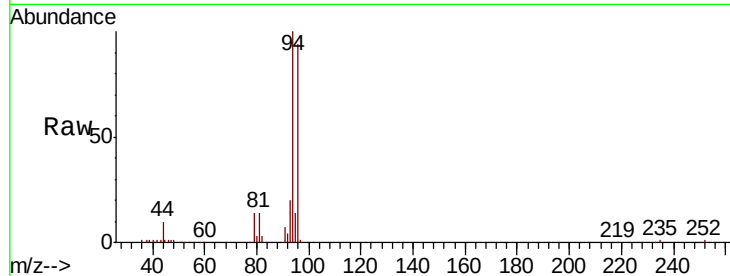
96 93.7 74.0 111.0

Manual Integrations

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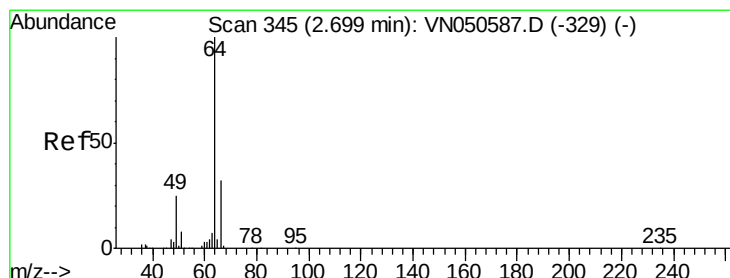
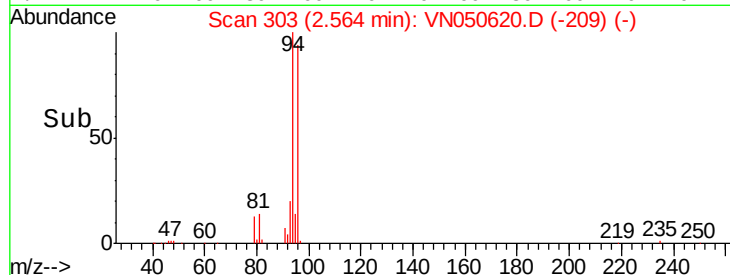
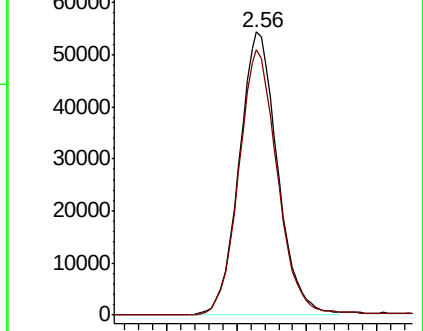
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Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 19.75 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050620.D

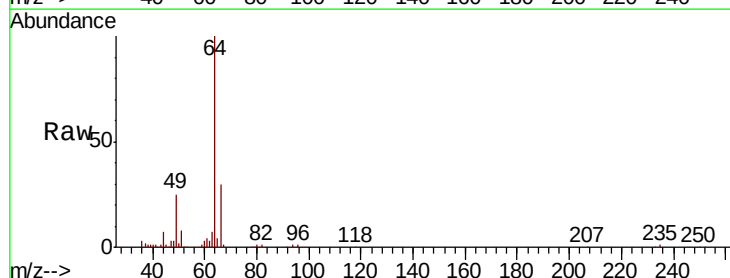
Acq: 14 Aug 2018 23:25

Tgt Ion: 64 Resp: 110144

Ion Ratio Lower Upper

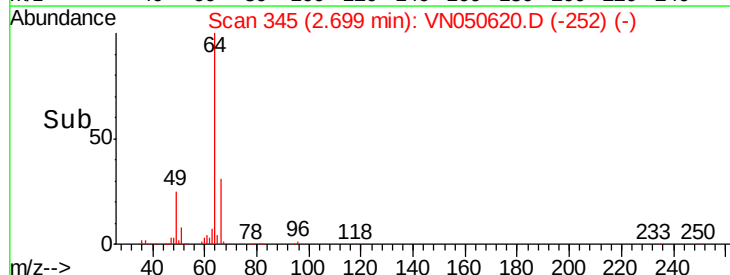
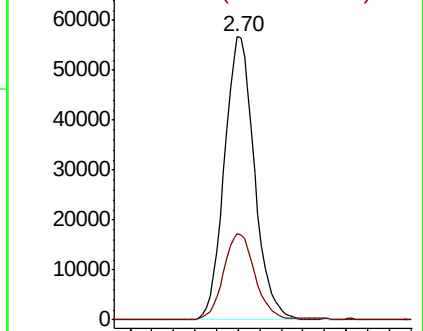
64 100

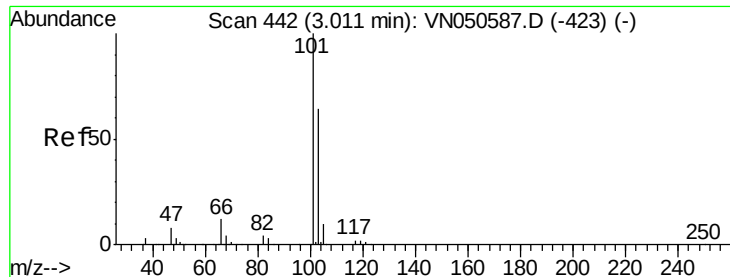
66 30.4 25.7 38.5



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

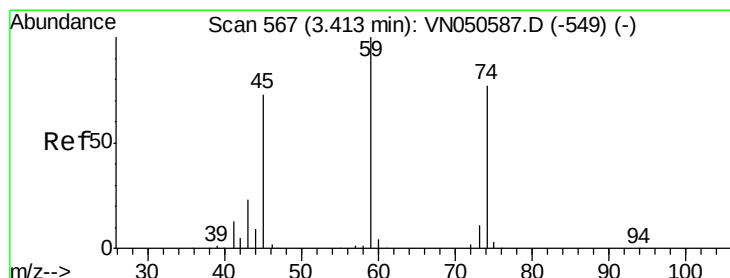
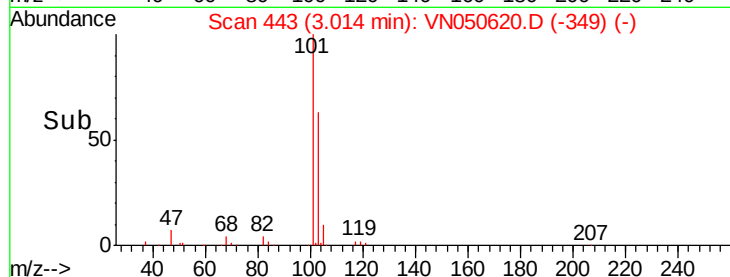
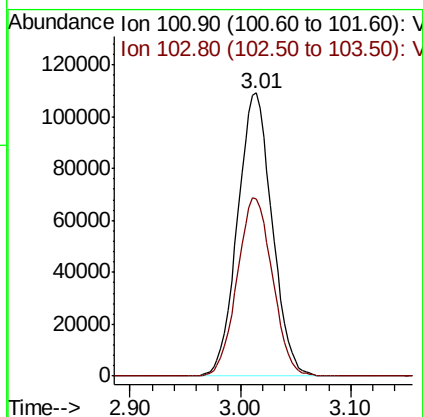
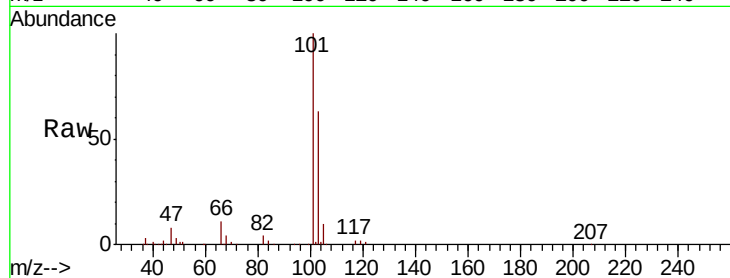
Trichlorofluoromethane
Concen: 18.84 ug/l
RT: 3.01 min Scan# 443
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
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ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
101	100	236678		
103	62.6	51.4	77.0	

Manual Integrations
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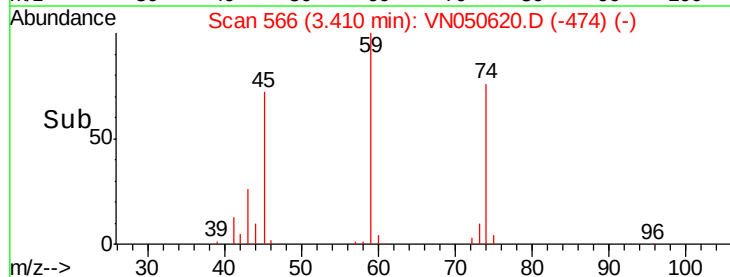
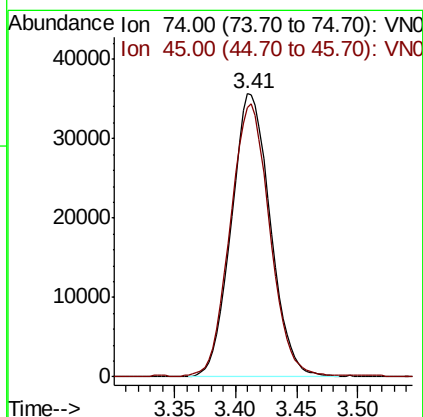
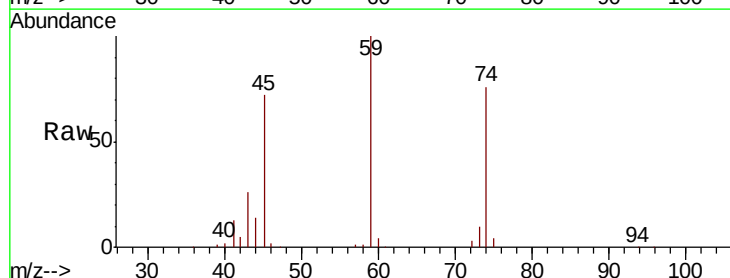
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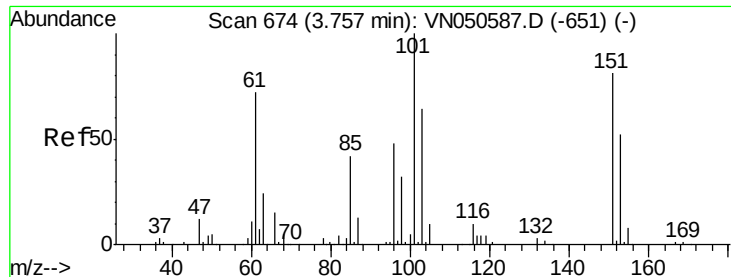


#8

Diethyl Ether
Concen: 18.92 ug/l
RT: 3.41 min Scan# 566
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
74	100	79038		
45	98.2	48.0	144.2	





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.01 ug/l

RT: 3.76 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

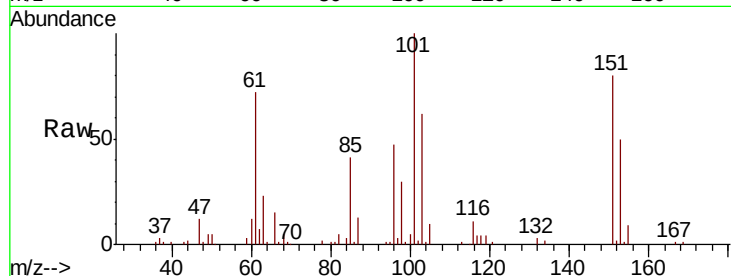
ClientSampleId :

VN0814WBSD02

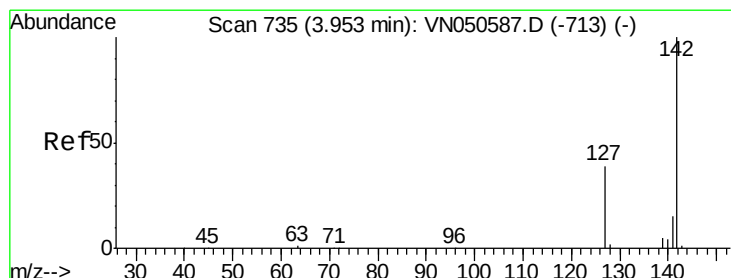
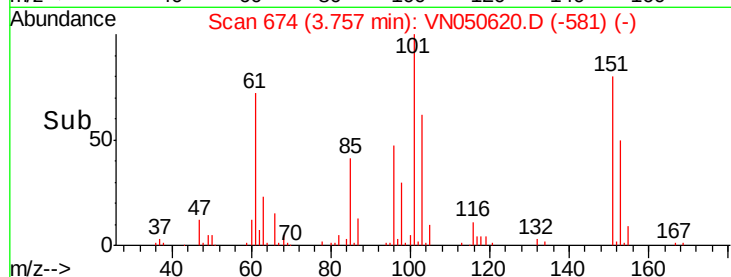
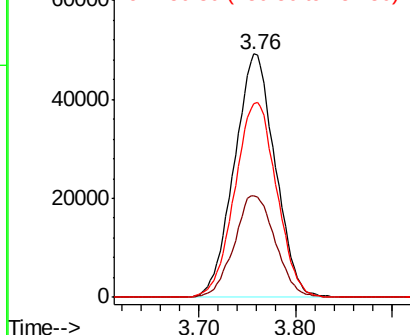
Tot Ion:	101	Resp:	144366
Ion Ratio	Lower	Upper	
101	100		
85	42.1	33.4	50.0
151	82.1	66.6	100.0

Manual Integrations
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Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.66 ug/l

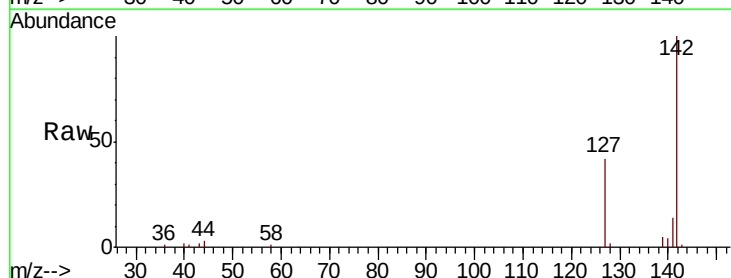
RT: 3.95 min Scan# 735

Delta R.T. 0.00 min

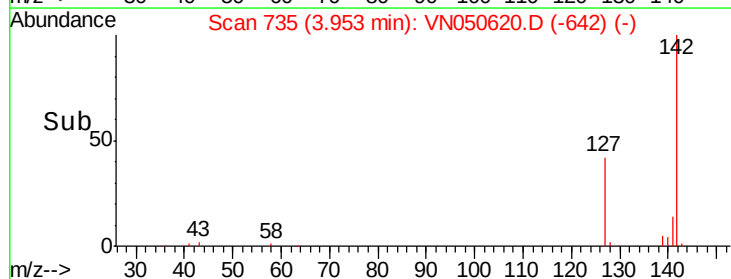
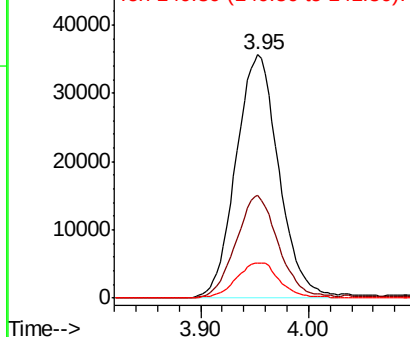
Lab File: VN050620.D

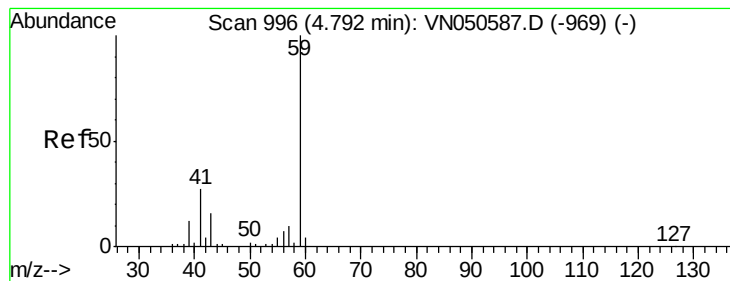
Acq: 14 Aug 2018 23:25

Tgt Ion:	142	Resp:	98527
Ion Ratio	Lower	Upper	
142	100		
127	42.0	32.6	49.0
141	14.5	11.5	17.3



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V





#11

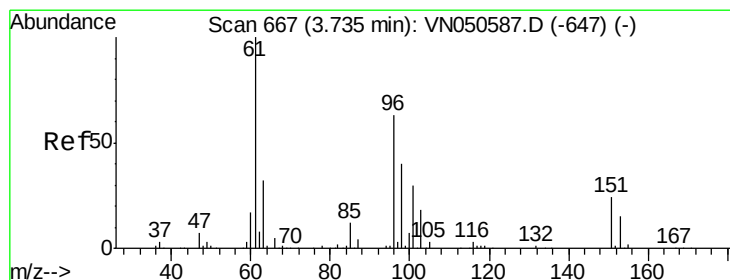
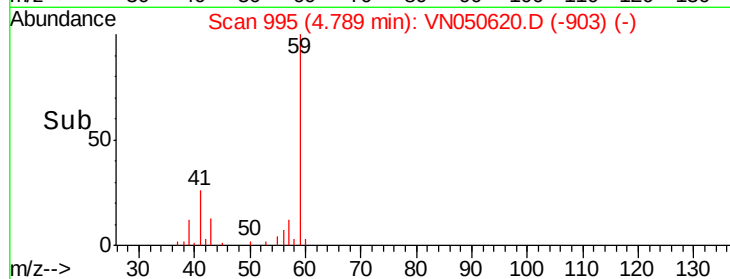
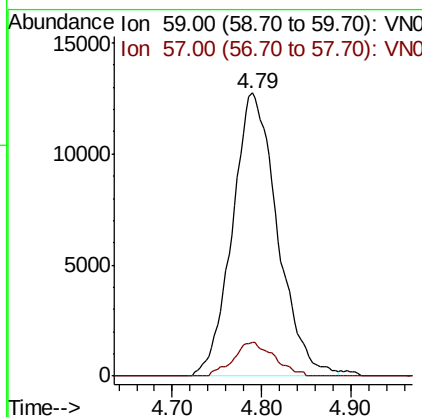
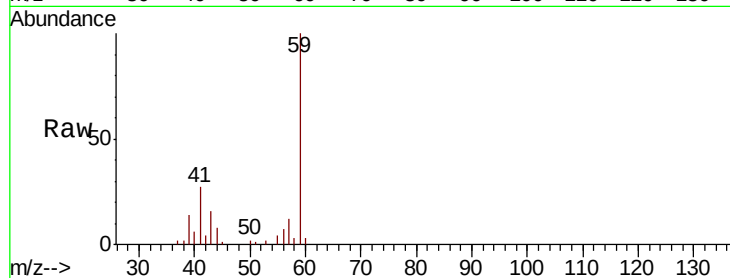
Tert butyl alcohol
 Concen: 101.47 ug/l
 RT: 4.79 min Scan# 995
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
59	100		
57	10.9	8.4	12.6

Manual Integrations
 APPROVED

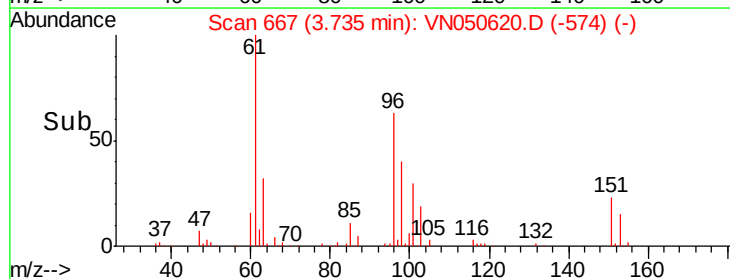
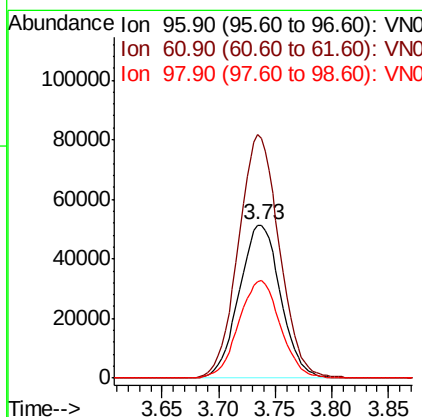
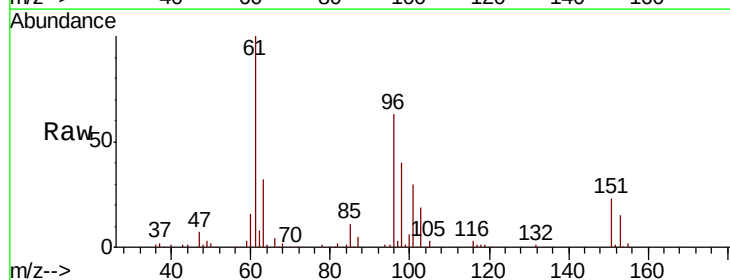
MMDadoda
 8/15/2018 3:32:25 PM

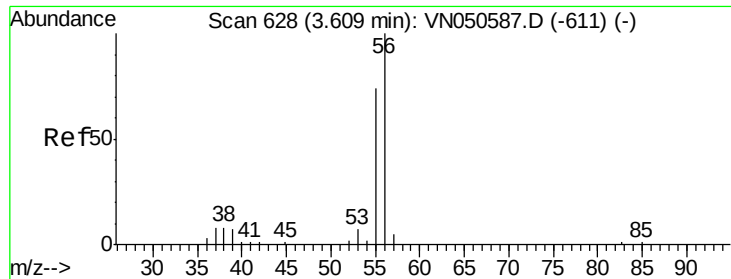


#12

1,1-Dichloroethene
 Concen: 18.93 ug/l
 RT: 3.73 min Scan# 667
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
96	100		
61	158.9	126.9	190.3
98	62.8	51.1	76.7





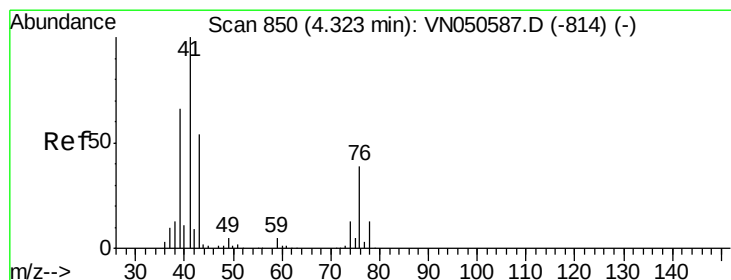
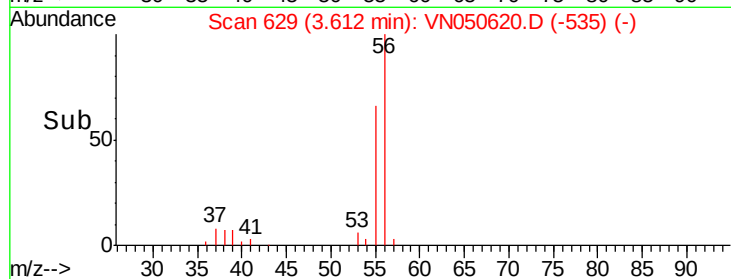
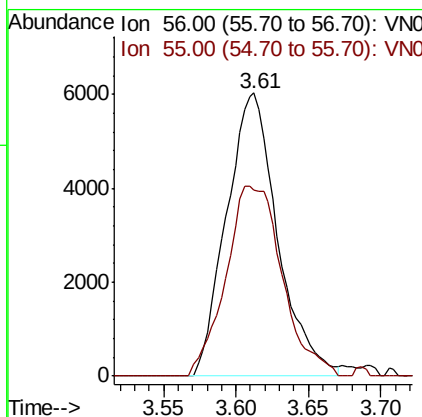
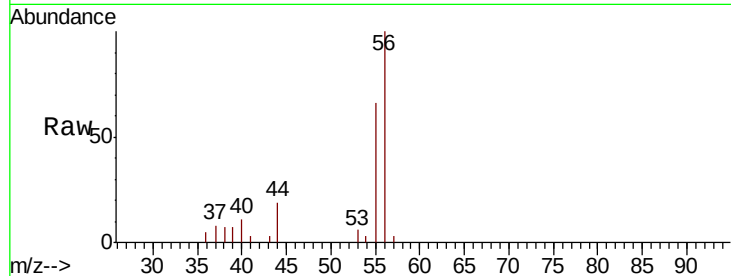
#13
 Acrolein
 Concen: 81.34 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	56	55	Resp	Lower	Upper
14767	100	74.2		56.3	84.5

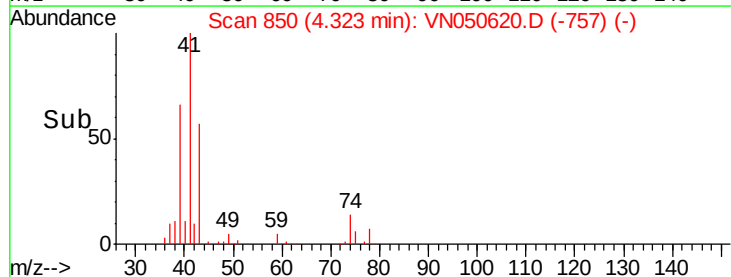
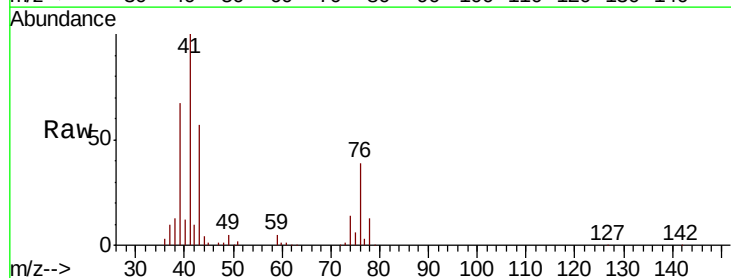
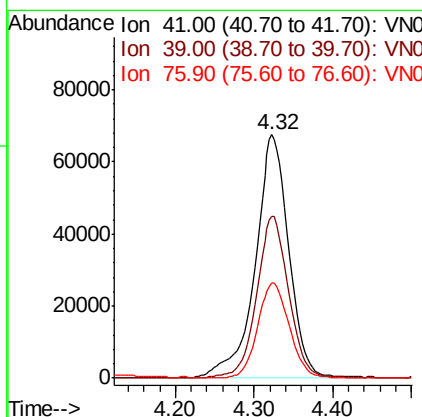
Manual Integrations
 APPROVED

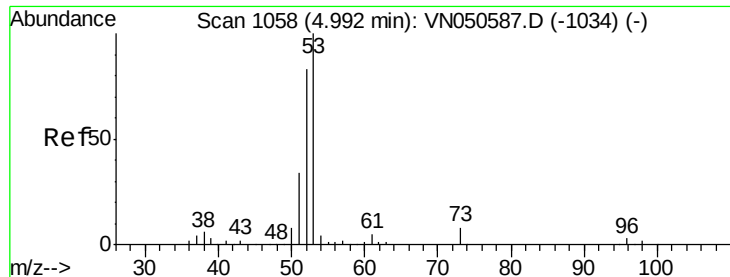
MMDadoda
 8/15/2018 3:32:25 PM



#14
 Allyl chloride
 Concen: 18.81 ug/l
 RT: 4.32 min Scan# 850
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	41	39	76	Resp	Lower	Upper
202952	100	63.7	37.0		51.4	77.0





#15

Acrylonitrile

Concen: 99.08 ug/l

RT: 4.99 min Scan# 1058

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

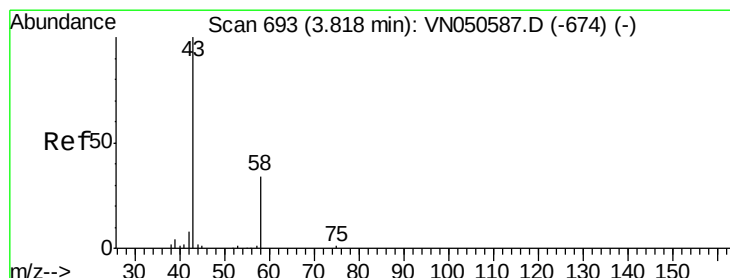
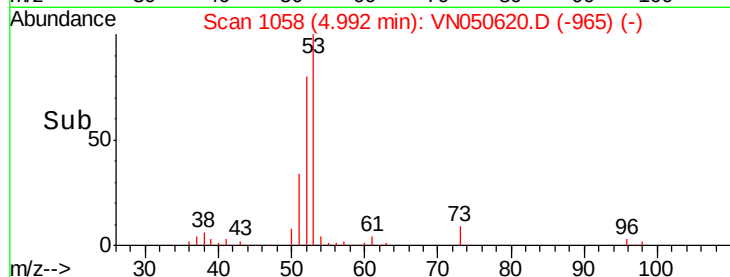
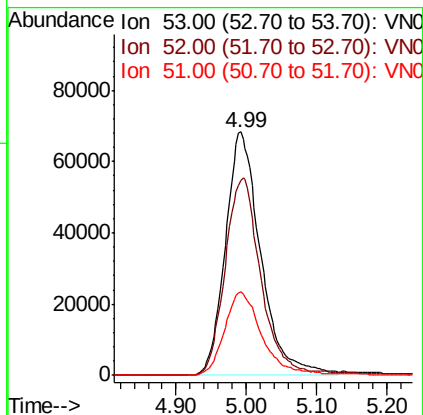
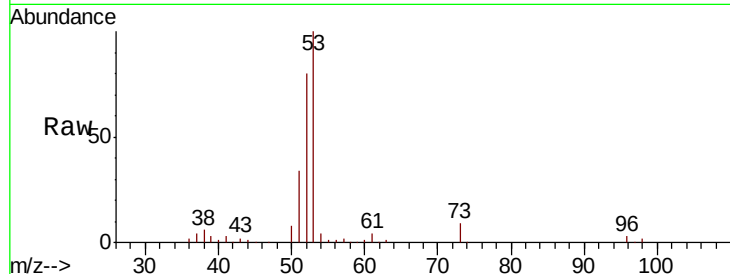
ClientSampleId :

VN0814WBSD02

Tot Ion:	53	Resp:	239395
Ion Ratio	Lower	Upper	
53	100		
52	81.3	66.2	99.2
51	36.0	28.6	43.0

Manual Integrations
APPROVED

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8/15/2018 3:32:25 PM



#16

Acetone

Concen: 100.34 ug/l

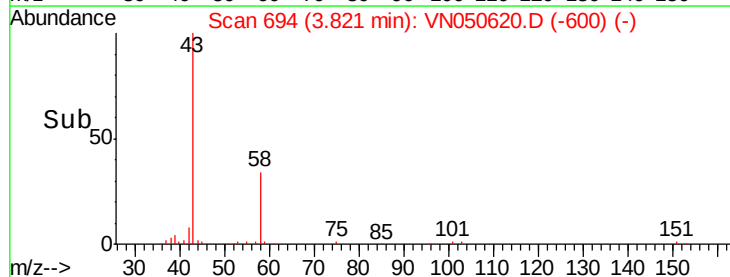
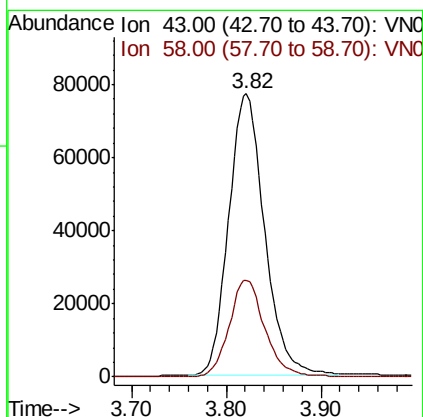
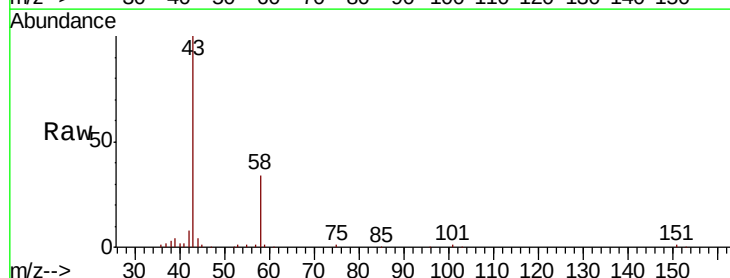
RT: 3.82 min Scan# 694

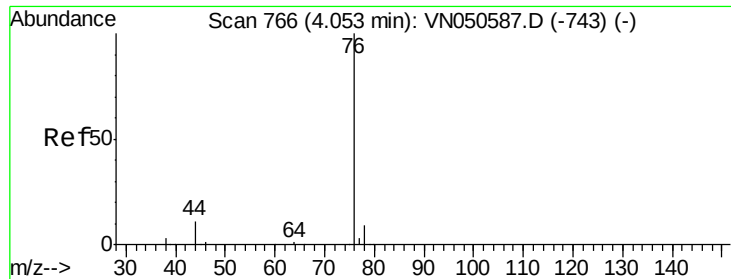
Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion:	43	Resp:	203594
Ion Ratio	Lower	Upper	
43	100		
58	34.2	27.1	40.7





#17

Carbon Disulfide

Concen: 18.78 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 76 Resp: 409773

Ion Ratio Lower Upper

76 100

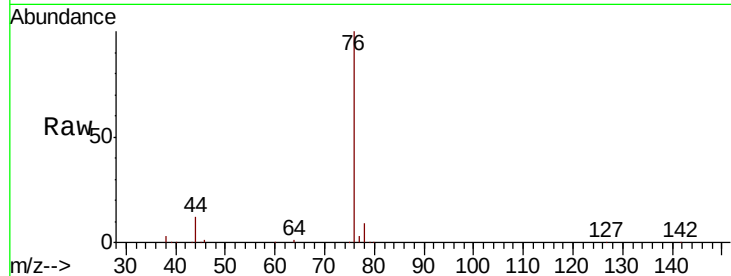
78 9.1 7.3 10.9

Manual Integrations

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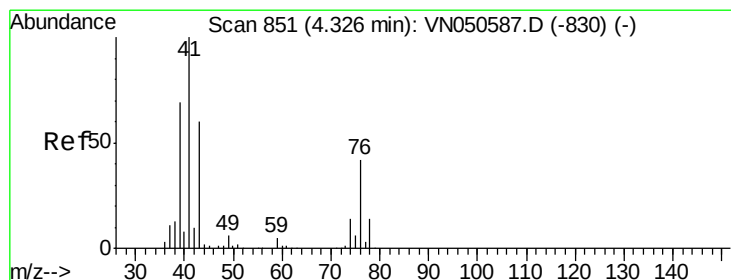
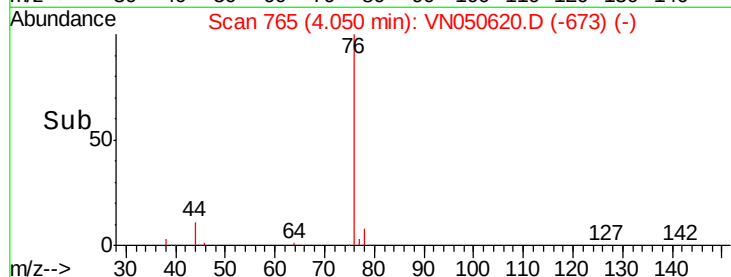
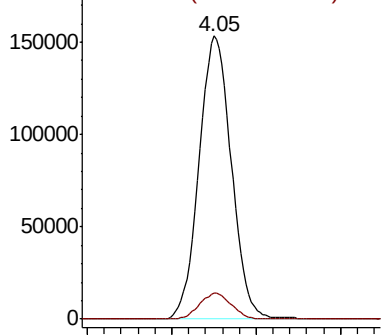
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Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 20.20 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN050620.D

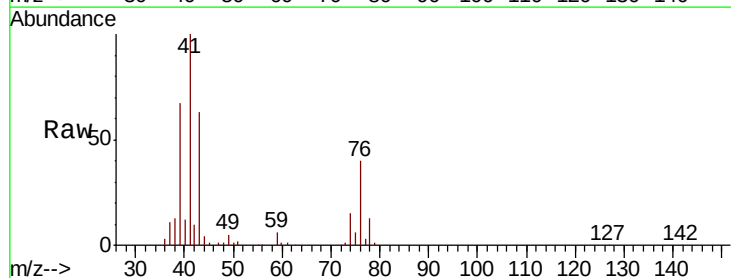
Acq: 14 Aug 2018 23:25

Tgt Ion: 43 Resp: 117633

Ion Ratio Lower Upper

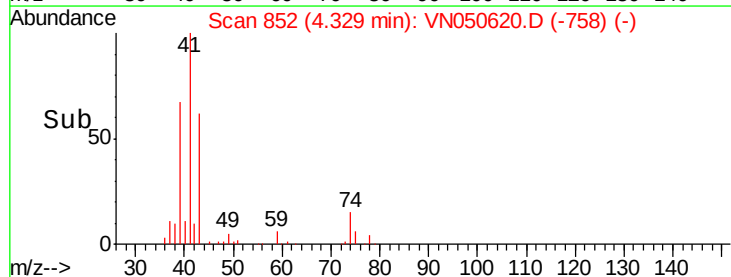
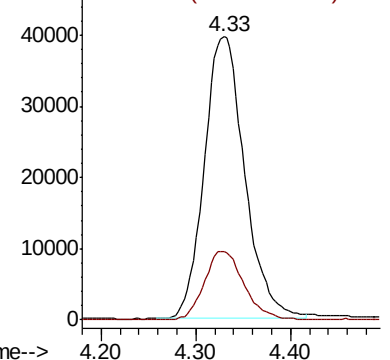
43 100

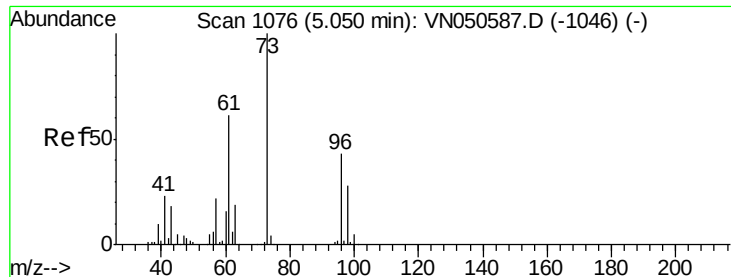
74 23.8 19.7 29.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0





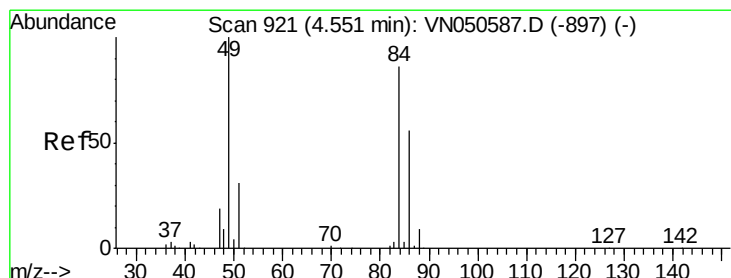
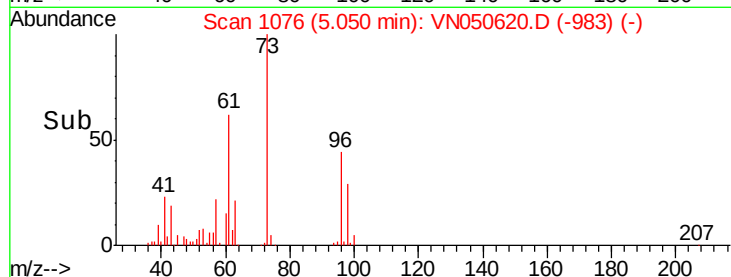
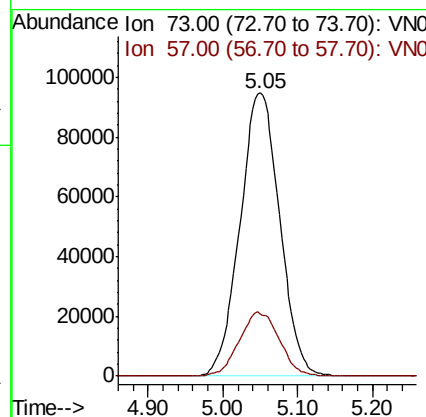
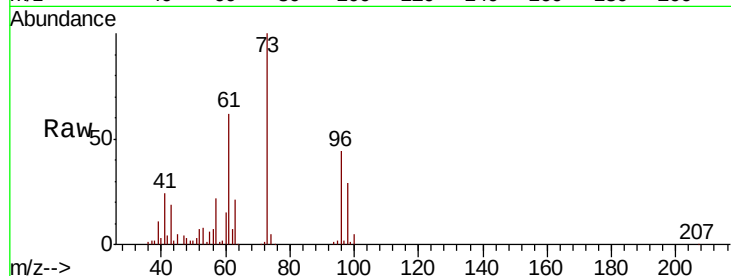
#19
Methvl tert-butvl Ether
Concen: 19.82 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion: 73 Resp: 349858
Ion Ratio Lower Upper
73 100
57 22.0 17.9 26.9

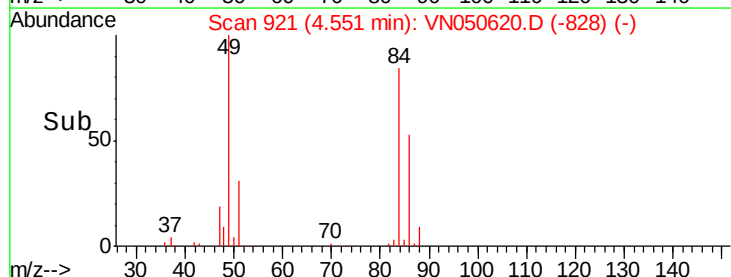
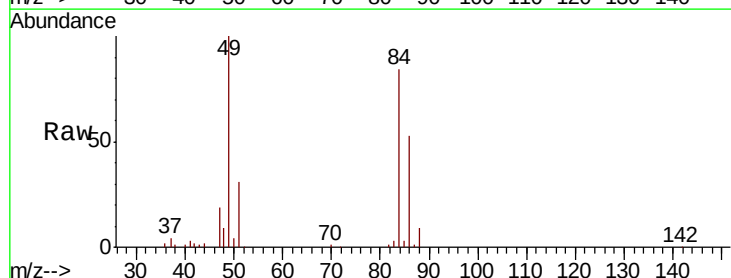
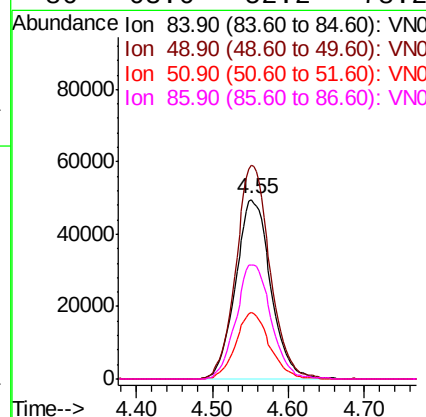
Manual Integrations
APPROVED

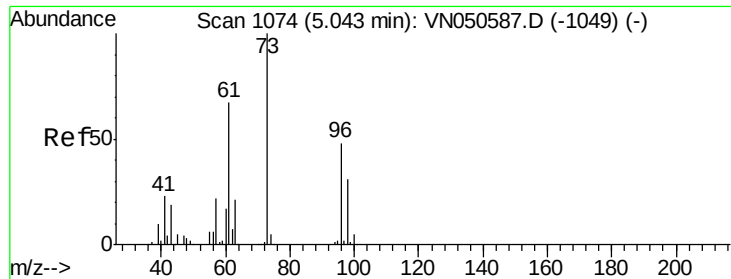
MMDadoda
8/15/2018 3:32:25 PM



#20
Methylene Chloride
Concen: 19.95 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion: 84 Resp: 158658
Ion Ratio Lower Upper
84 100
49 118.9 92.6 138.8
51 37.1 28.6 43.0
86 63.6 52.2 78.2





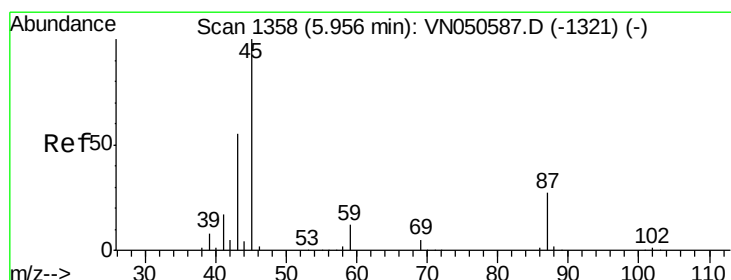
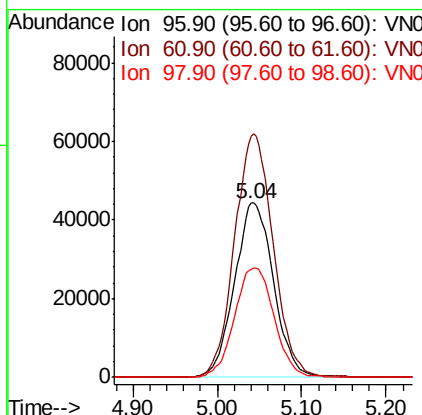
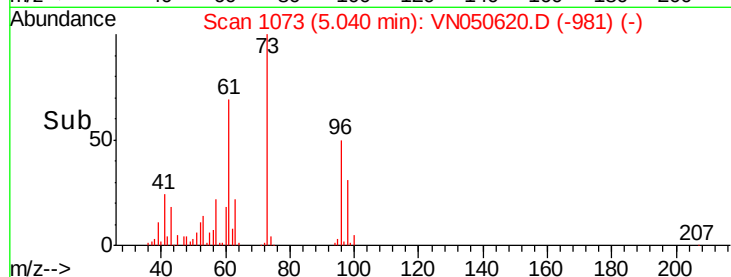
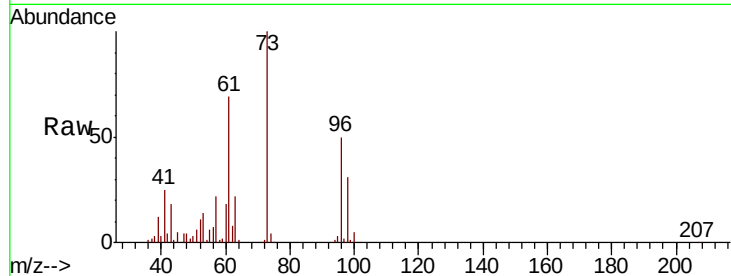
#21
trans-1,2-Dichloroethene
Concen: 18.98 ug/l
RT: 5.04 min Scan# 1073
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
96	100		
61	138.3	111.2	166.8
98	61.7	51.6	77.4

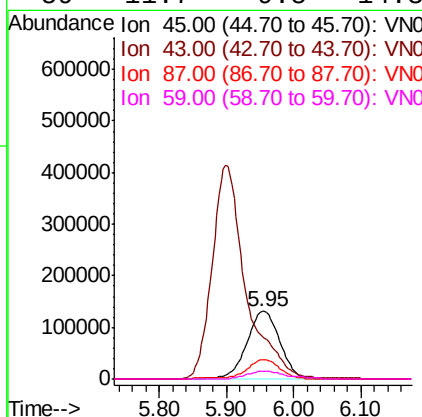
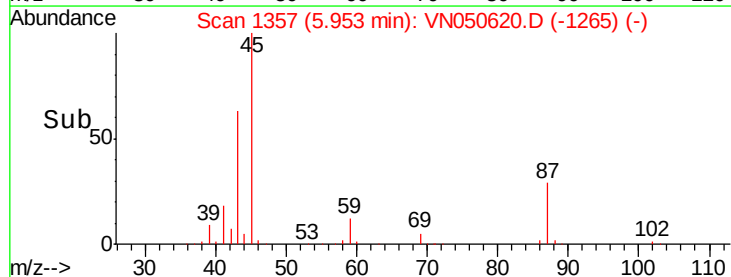
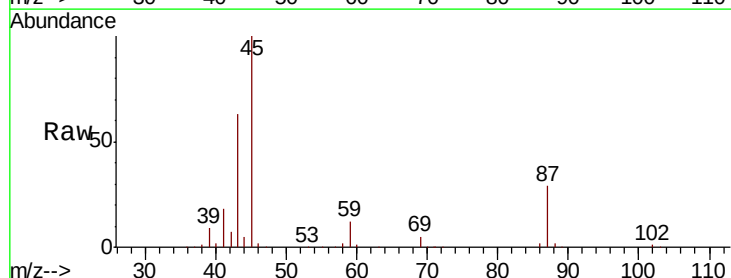
Manual Integrations
APPROVED

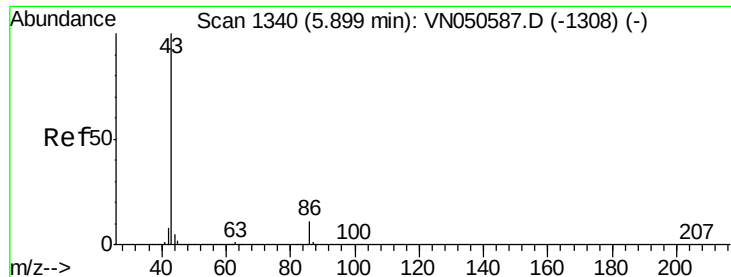
MMDadoda
8/15/2018 3:32:25 PM



#22
Diisopropyl ether
Concen: 20.24 ug/l
RT: 5.95 min Scan# 1357
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
45	100		
43	61.9	44.5	66.7
87	28.8	22.2	33.2
59	11.7	9.5	14.3





#23

Vinyl Acetate

Concen: 99.97 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 43 Resp: 1446350

Ion Ratio Lower Upper

43 100

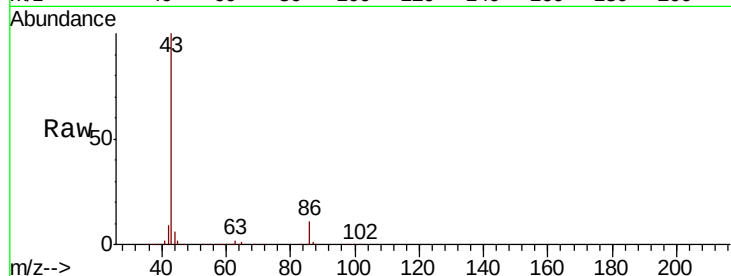
86 10.7 8.4 12.6

Manual Integrations

APPROVED

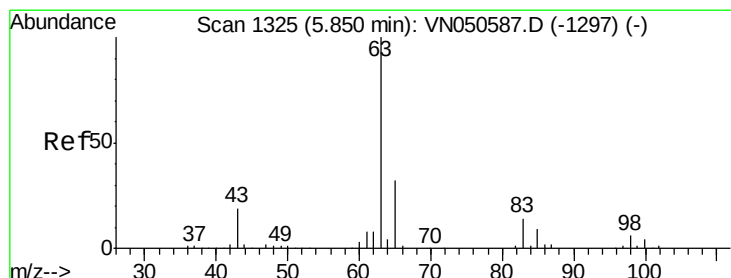
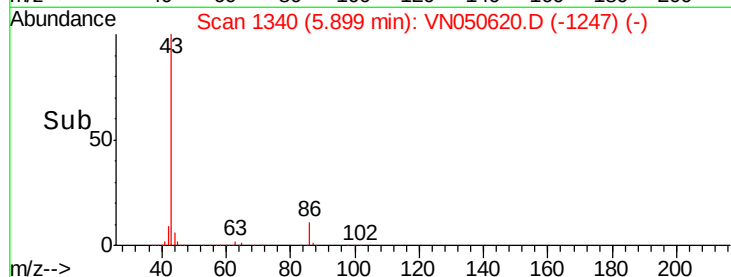
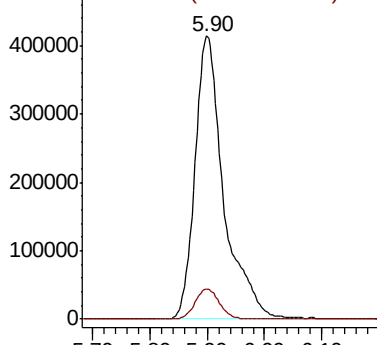
MMDadoda

8/15/2018 3:32:25 PM



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 18.82 ug/l

RT: 5.85 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

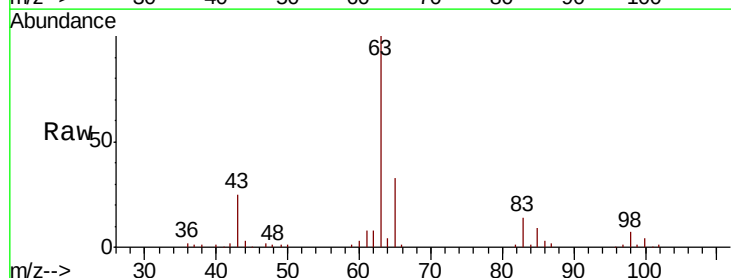
Tgt Ion: 63 Resp: 269291

Ion Ratio Lower Upper

63 100

98 6.8 3.2 9.6

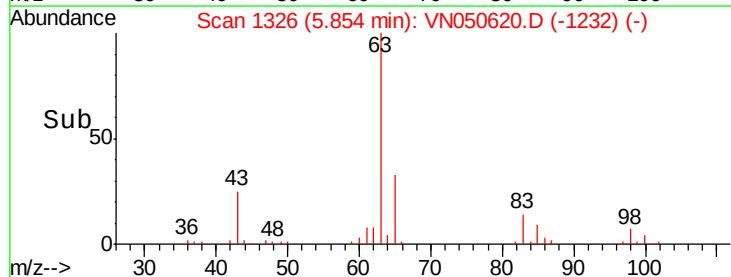
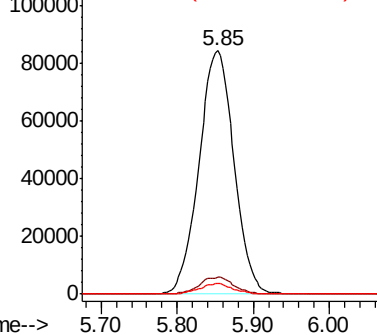
100 4.2 2.1 6.5

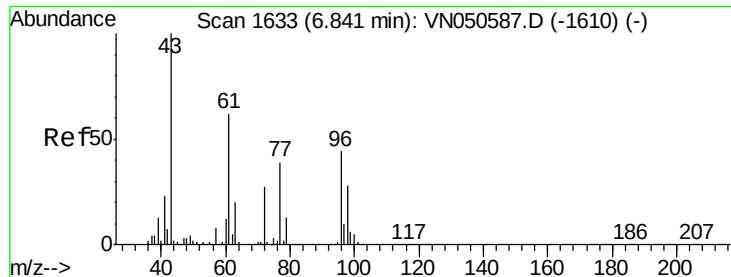


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0





#25

2-Butanone

Concen: 99.22 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 43 Resp: 327756

Ion Ratio Lower Upper

43 100

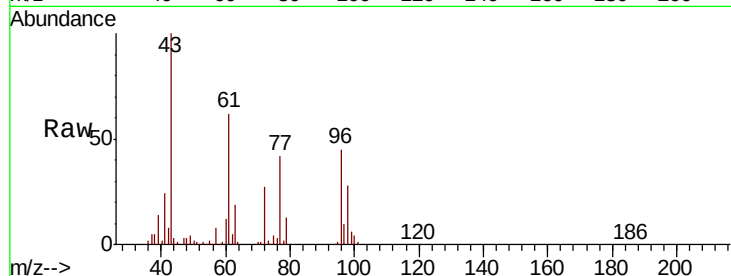
72 27.1 21.8 32.6

Manual Integrations

APPROVED

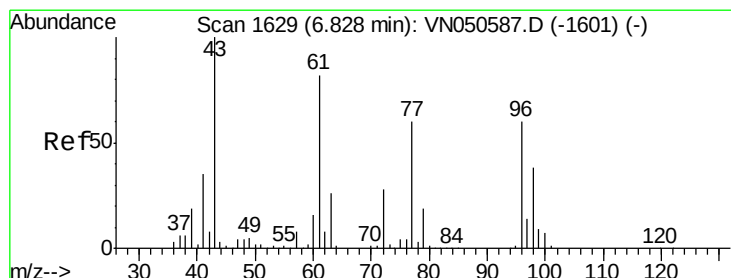
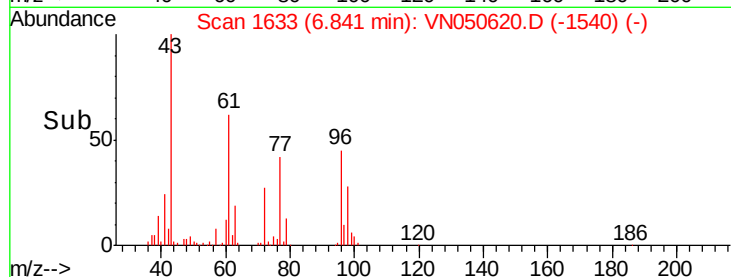
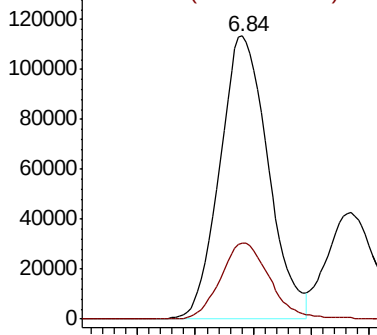
MMDadoda

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 19.26 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. 0.00 min

Lab File: VN050620.D

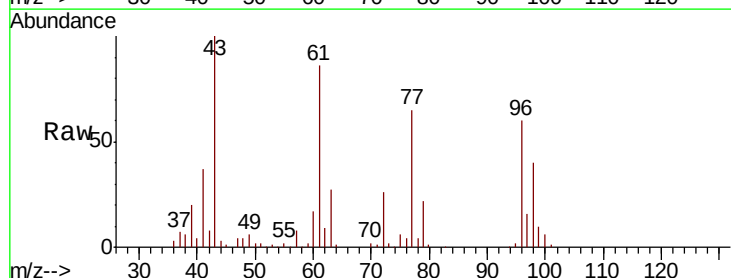
Acq: 14 Aug 2018 23:25

Tgt Ion: 77 Resp: 184460

Ion Ratio Lower Upper

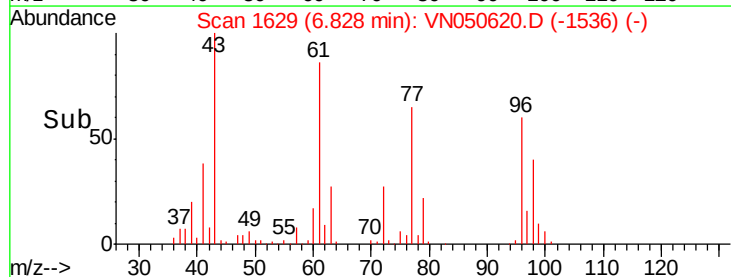
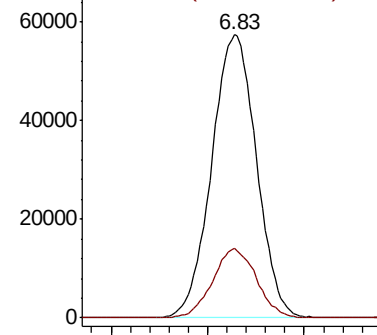
77 100

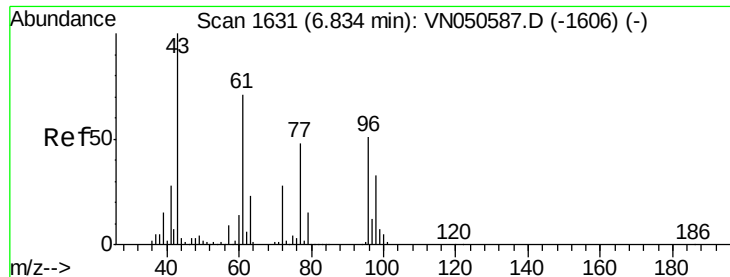
97 23.9 12.2 36.4



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 19.16 ug/l

RT: 6.83 min Scan# 1631

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

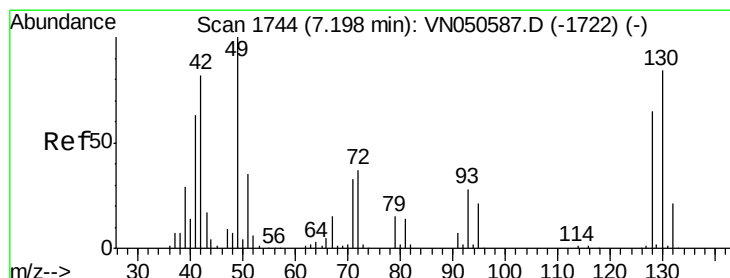
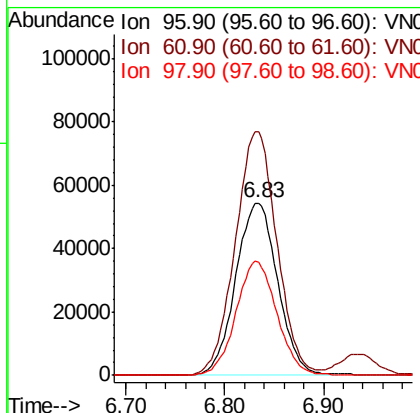
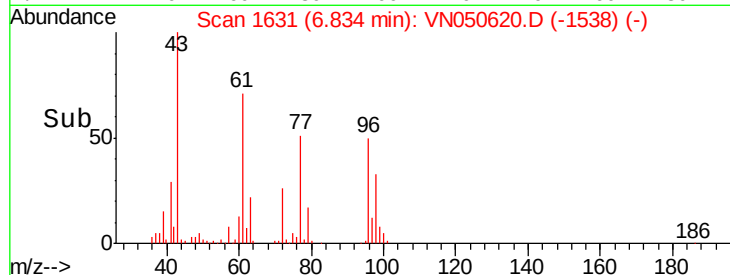
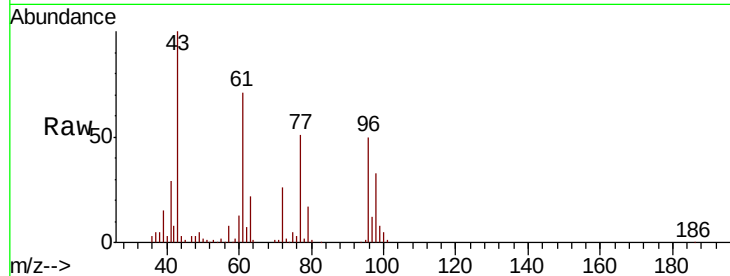
ClientSampleId :

VN0814WBSD02

Tot Ion:	96	Resp:	160434
Ion	Ratio	Lower	Upper
96	100		
61	140.7	0.0	278.2
98	64.6	0.0	128.8

Manual Integrations
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#28

Bromochloromethane

Concen: 19.70 ug/l

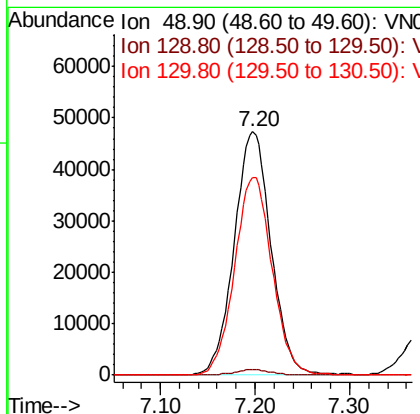
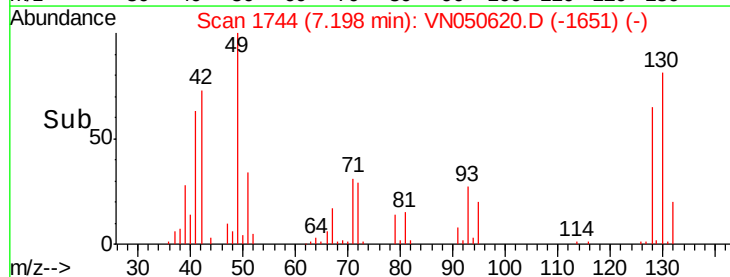
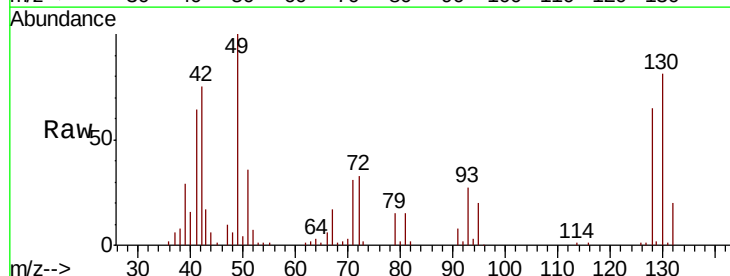
RT: 7.20 min Scan# 1744

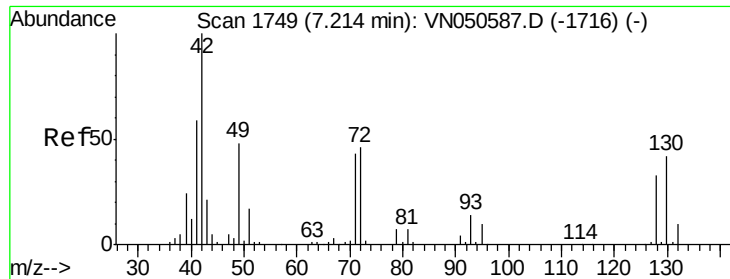
Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion:	49	Resp:	128328
Ion	Ratio	Lower	Upper
49	100		
129	2.1	0.0	4.2
130	82.4	66.8	100.2





#29

Tetrahydrofuran

Concen: 102.25 ug/l

RT: 7.22 min Scan# 1750

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

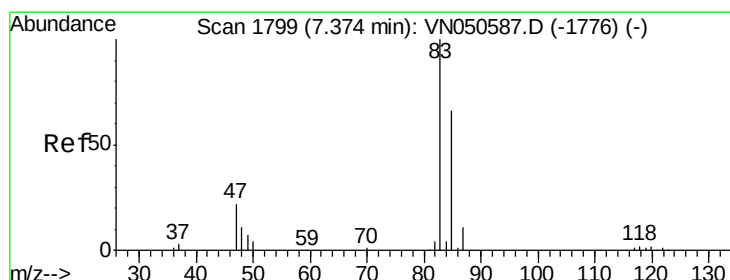
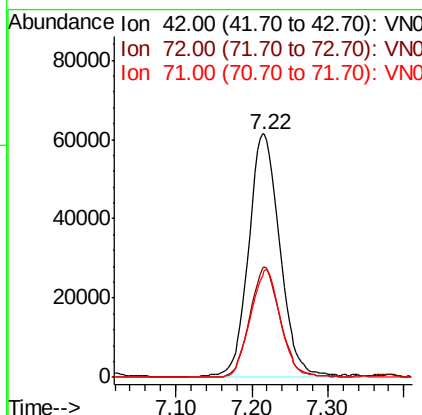
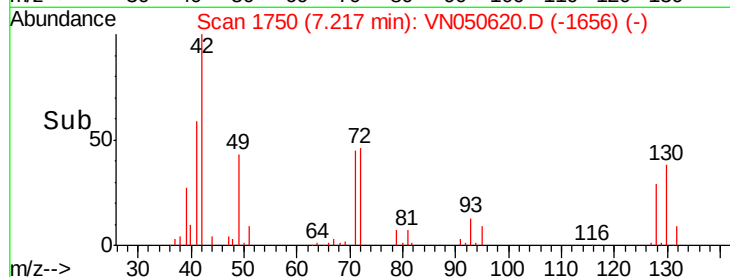
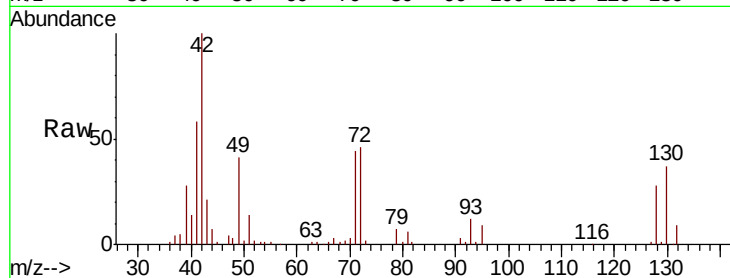
ClientSampleId :

VN0814WBSD02

Tot Ion:	42	Resp:	176365
Ion Ratio		Lower	Upper
42	100		
72	43.9	35.8	53.6
71	42.7	33.4	50.0

Manual Integrations
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#30

Chloroform

Concen: 18.86 ug/l

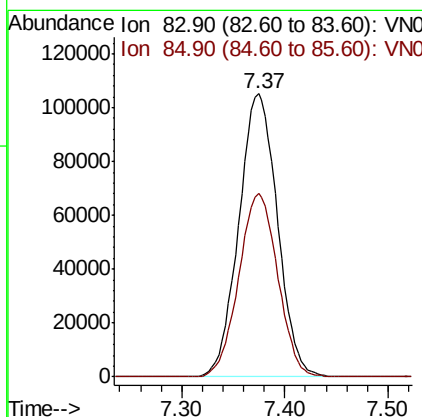
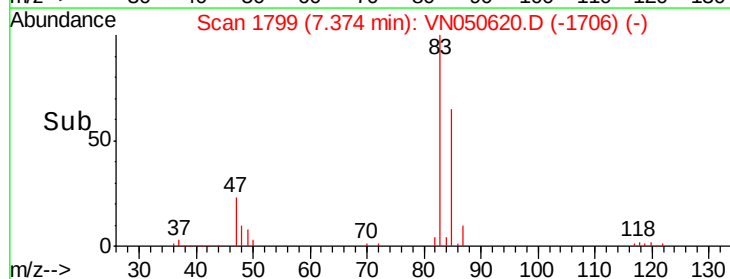
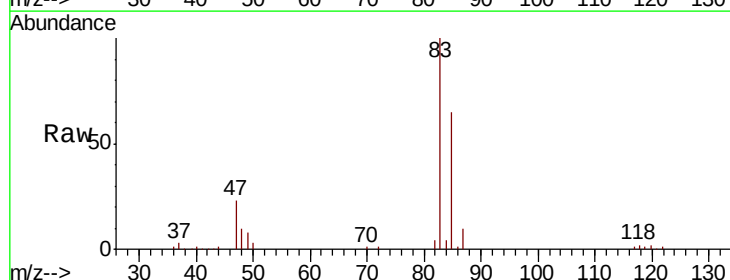
RT: 7.37 min Scan# 1799

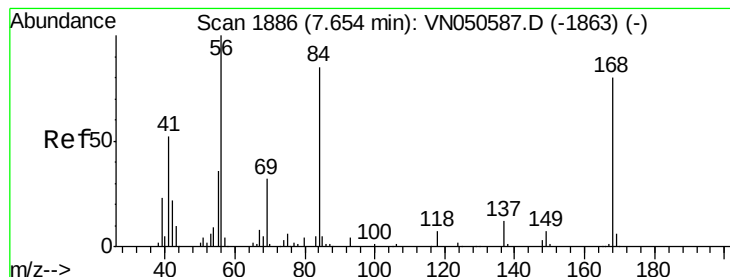
Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion:	83	Resp:	273593
Ion Ratio		Lower	Upper
83	100		
85	65.0	52.5	78.7





#31

Cyclohexane

Concen: 19.23 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

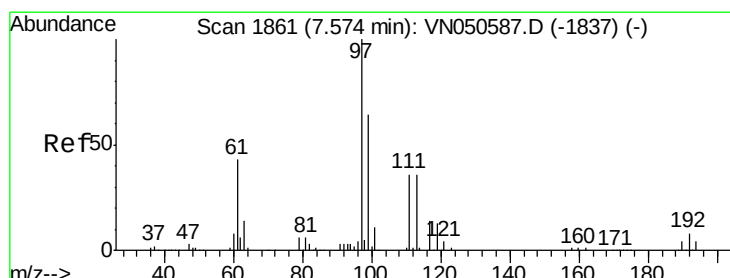
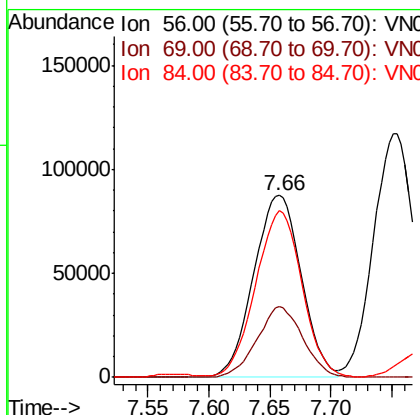
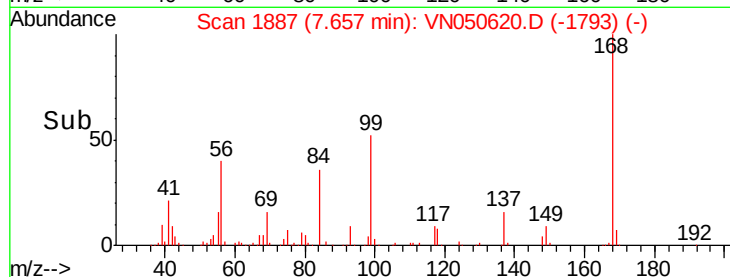
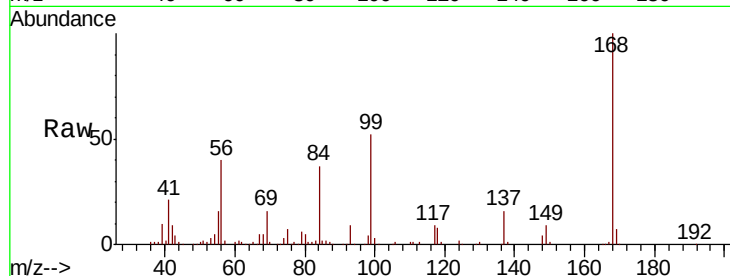
VN0814WBSD02

Tot Ion: 56 Resp: 237392

Ion	Ratio	Lower	Upper
56	100		
69	39.0	25.8	38.6#
84	90.1	67.8	101.6

Manual Integrations
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#32

1,1,1-Trichloroethane

Concen: 18.93 ug/l

RT: 7.57 min Scan# 1860

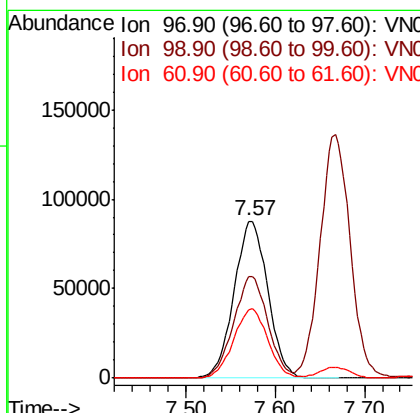
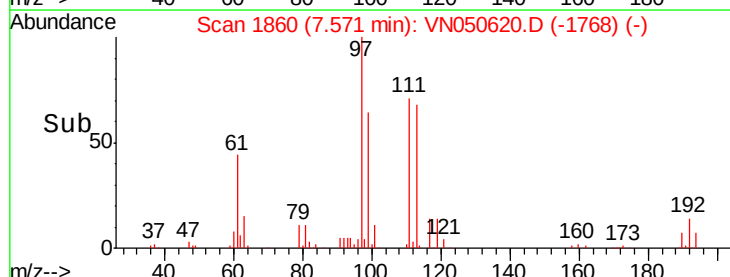
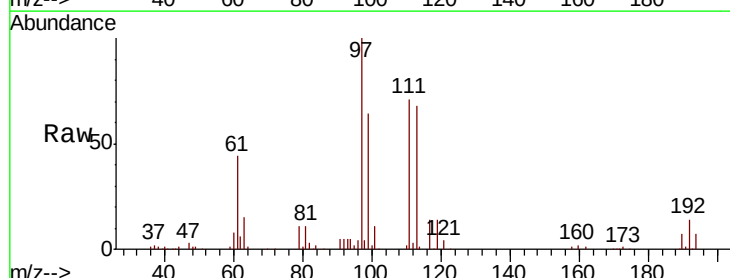
Delta R.T. -0.00 min

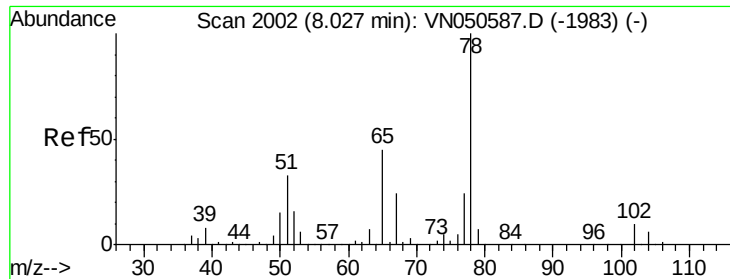
Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion: 97 Resp: 231066

Ion	Ratio	Lower	Upper
97	100		
99	65.4	51.1	76.7
61	44.6	34.8	52.2





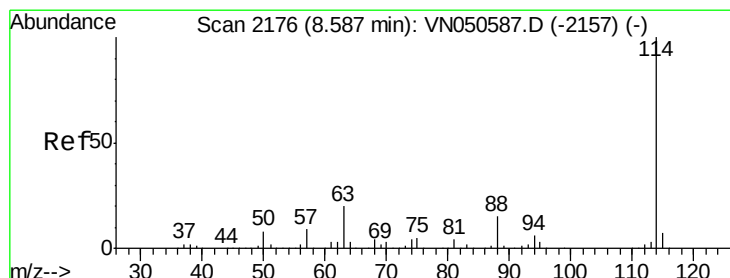
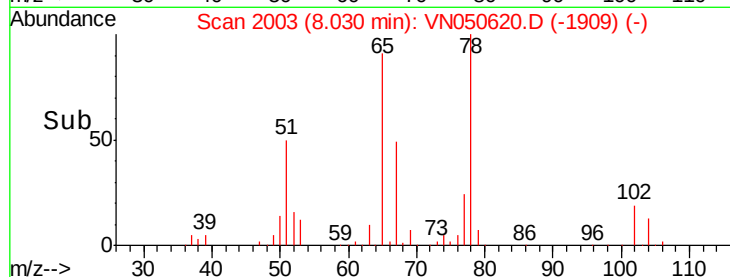
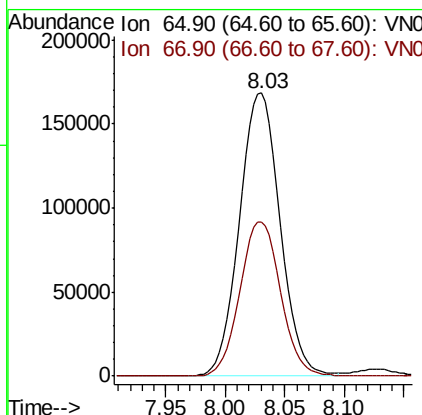
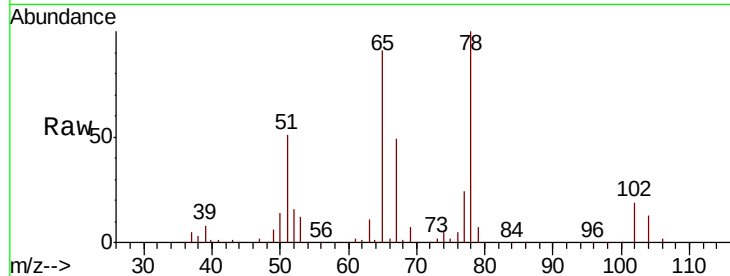
#33
 1,2-Dichloroethane-d4
 Concen: 49.51 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
65	100	398897		
67	54.6	0.0	109.8	

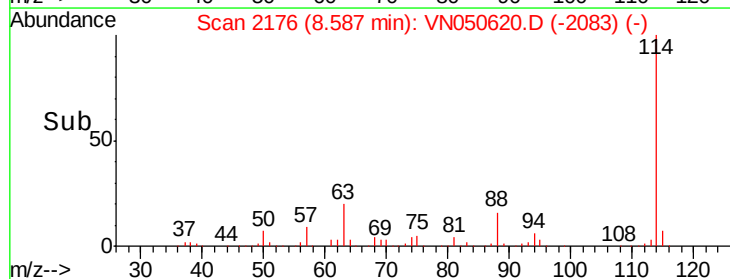
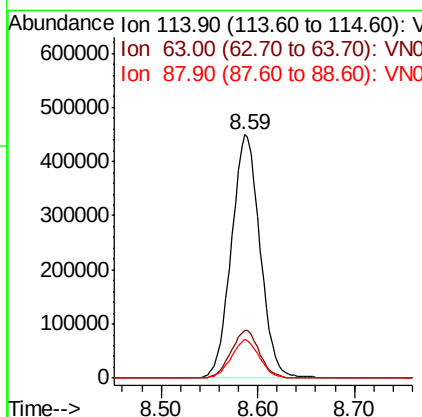
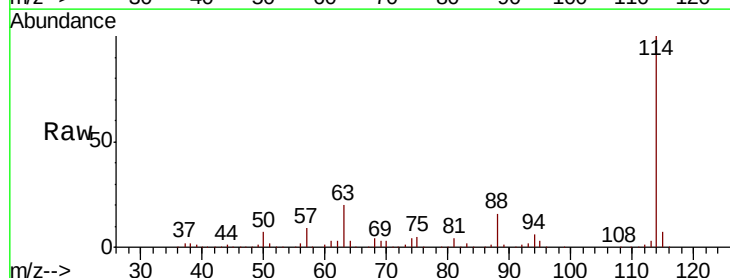
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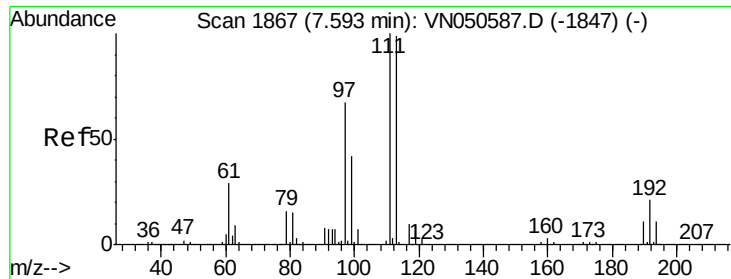
MMDadoda
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#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	925022		
63	19.6	0.0	40.0	
88	15.7	0.0	30.8	





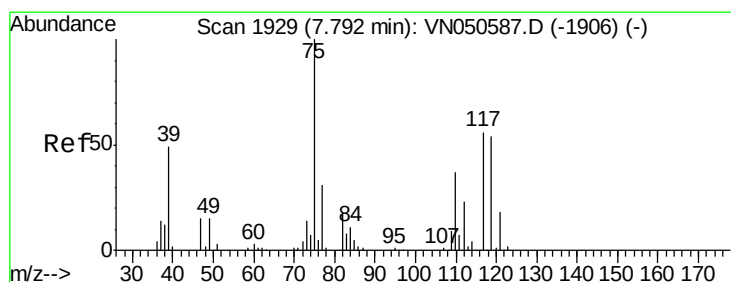
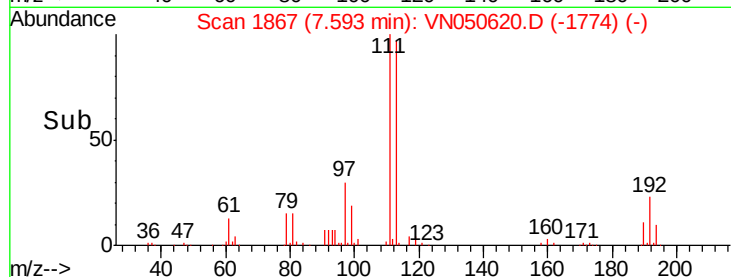
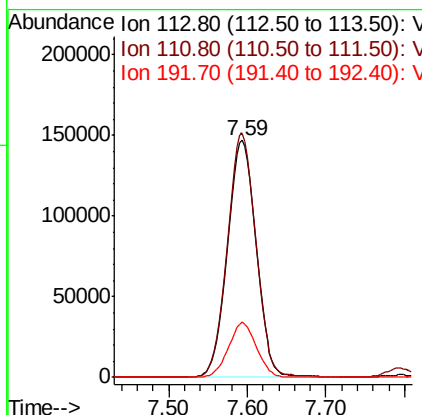
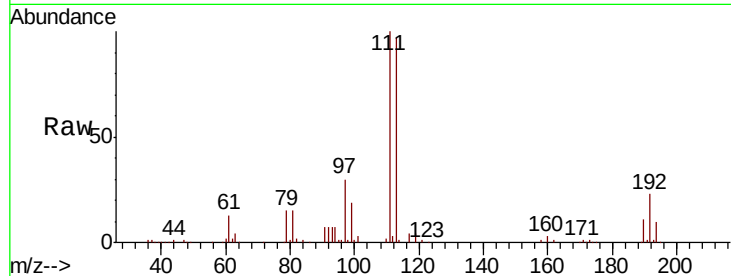
#35
 Dibromofluoromethane
 Concen: 50.33 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
113	100	371708		
111	102.2	81.0	121.6	
192	22.5	17.6	26.4	

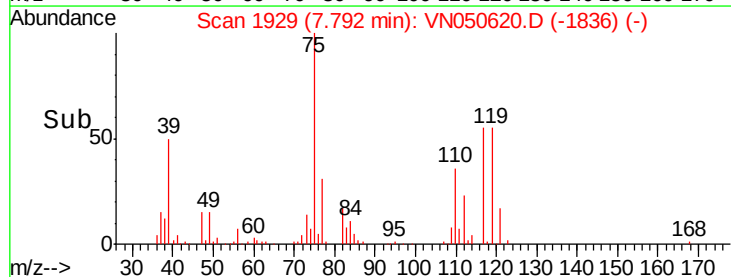
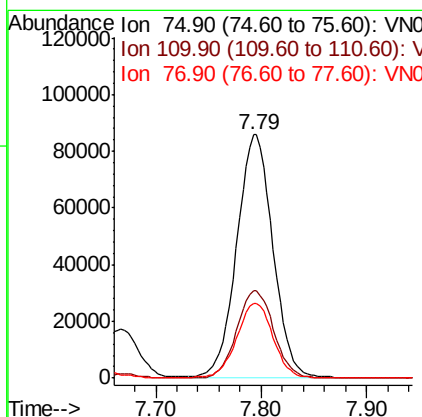
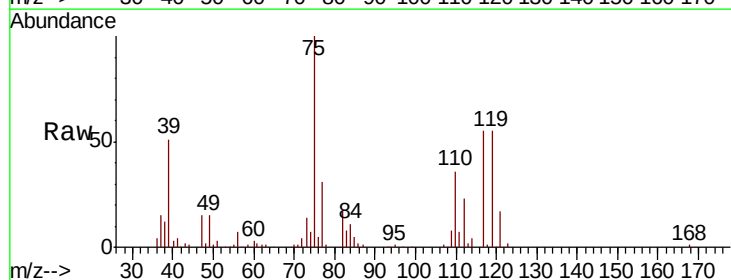
Manual Integrations
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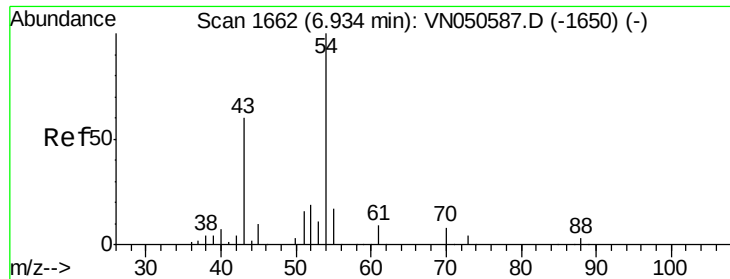
MMDadoda
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#36
 1,1-Dichloropropene
 Concen: 19.76 ug/l
 RT: 7.79 min Scan# 1929
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
75	100	203476		
110	36.9	18.3	54.9	
77	31.3	25.0	37.4	





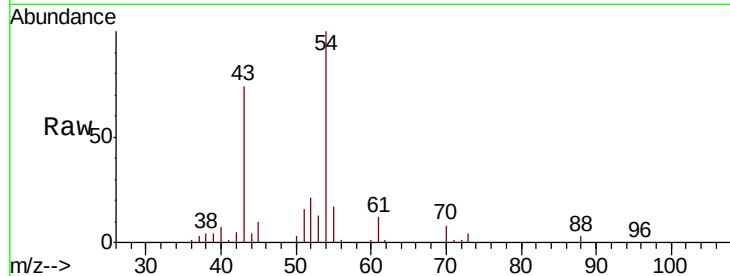
#37
Ethyl Acetate
Concen: 21.38 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
61	13.9	12.0	18.0
70	10.7	8.5	12.7

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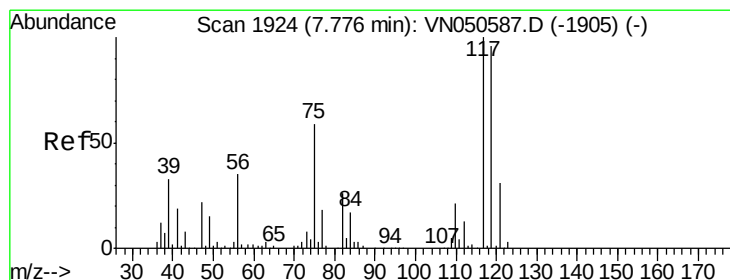
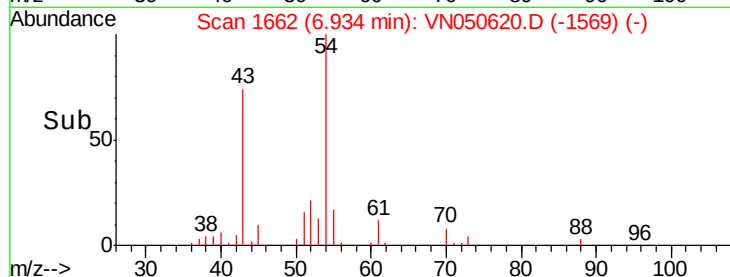
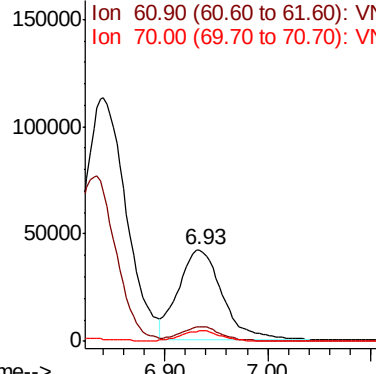


Abundance

Ion 43.00 (42.70 to 43.70): VN0

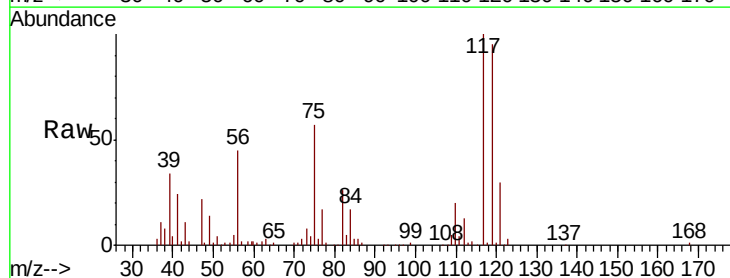
Ion 60.90 (60.60 to 61.60): VN0

Ion 70.00 (69.70 to 70.70): VN0



#38
Carbon Tetrachloride
Concen: 19.36 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.3	76.6	115.0
121	29.9	25.0	37.6

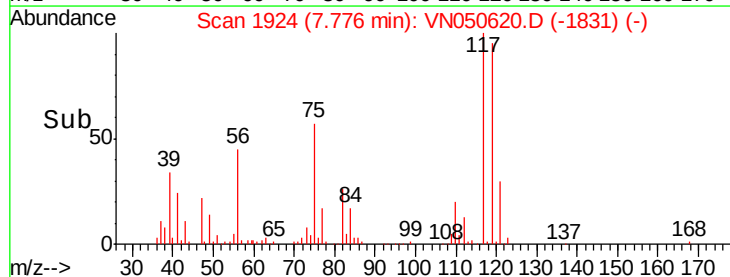
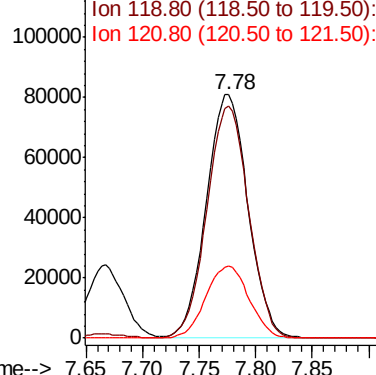


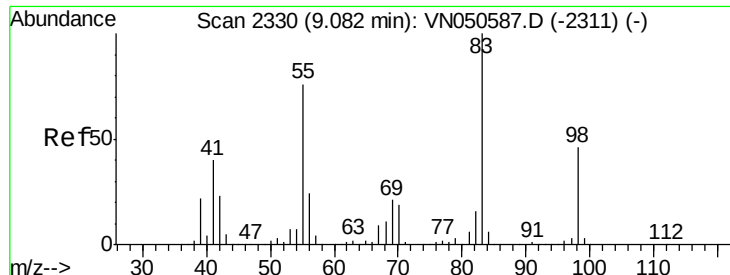
Abundance

Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





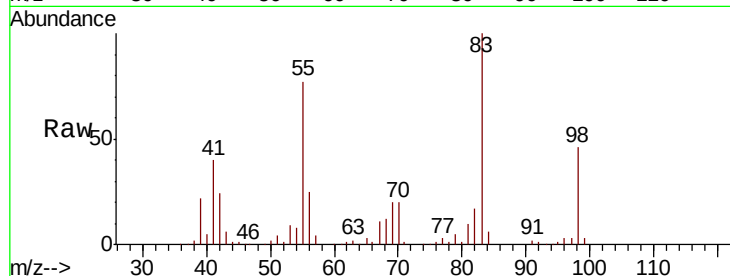
#39
Methylvlcyclohexane
Concen: 19.48 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
83	100	207681		
55	77.5	60.6	91.0	
98	45.6	37.0	55.4	

Manual Integrations
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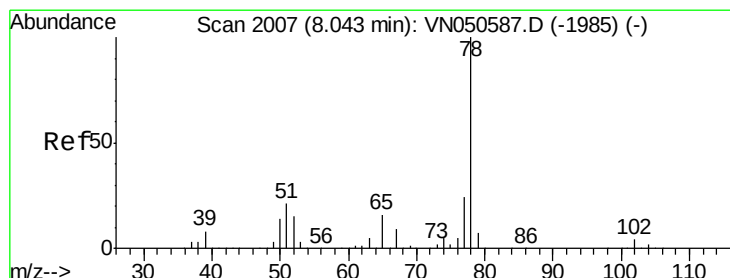
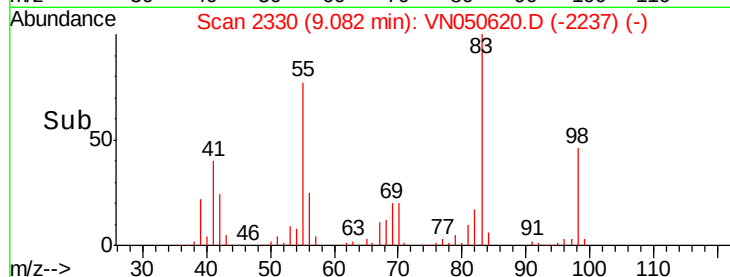
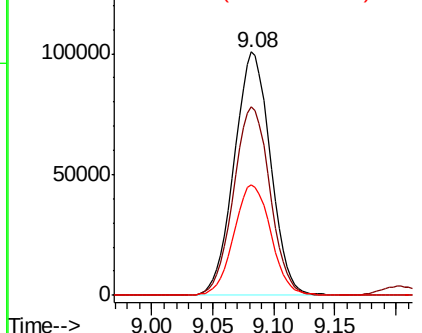


Abundance

Ion 83.00 (82.70 to 83.70): VN0

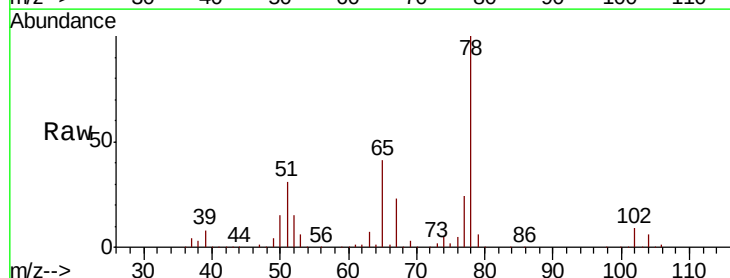
Ion 55.00 (54.70 to 55.70): VN0

Ion 98.00 (97.70 to 98.70): VN0



#40
Benzene
Concen: 20.03 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

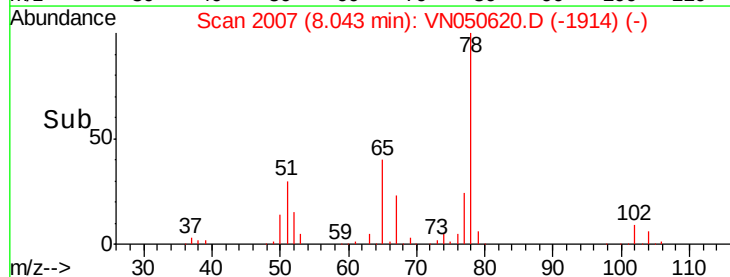
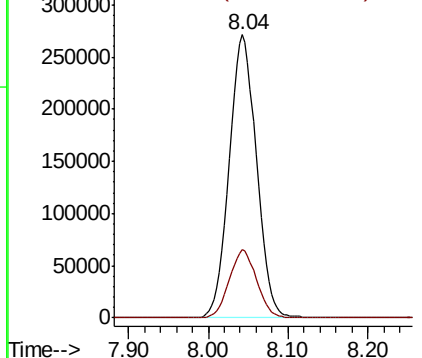
Tgt Ion	Ratio	Resp	Lower	Upper
78	100	627512		
77	24.0	19.0	28.6	

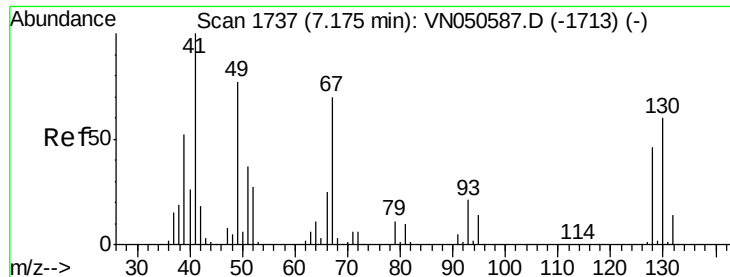


Abundance

Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 17.05 ug/l

RT: 7.18 min Scan# 1737

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 41 Resp: 53657
Ion Ratio Lower Upper

41 100

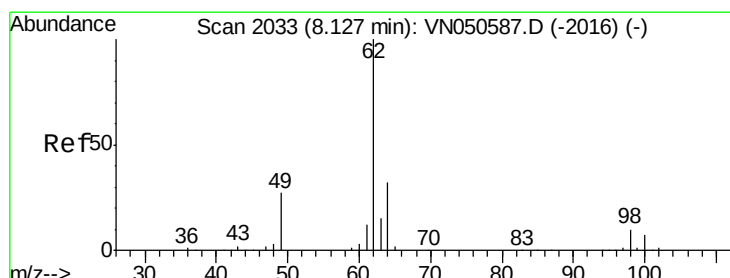
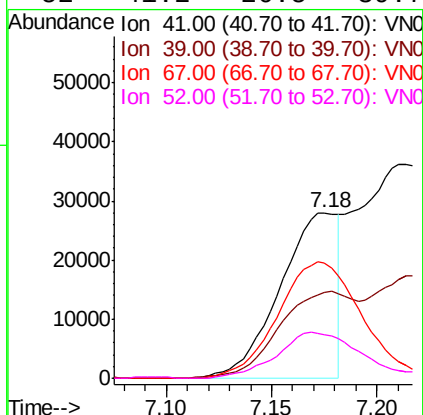
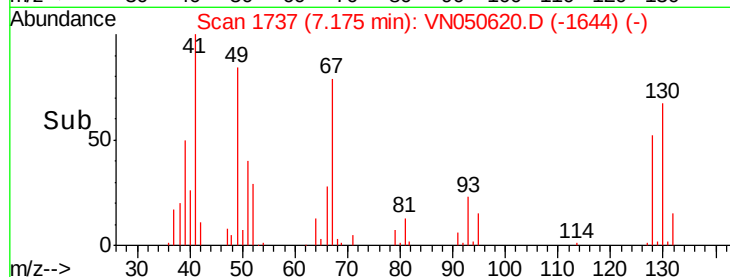
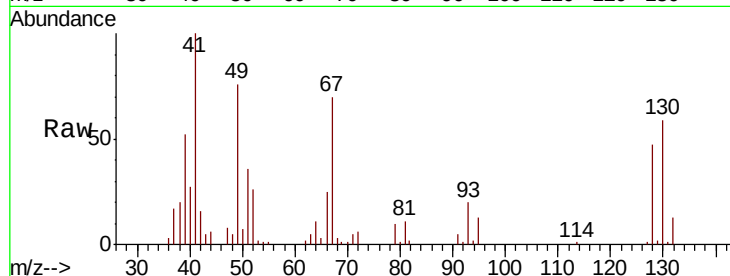
39 67.8 44.6 66.8#

67 102.3 66.7 100.1#

52 41.2 26.5 39.7#

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#42

1,2-Dichloroethane

Concen: 20.01 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

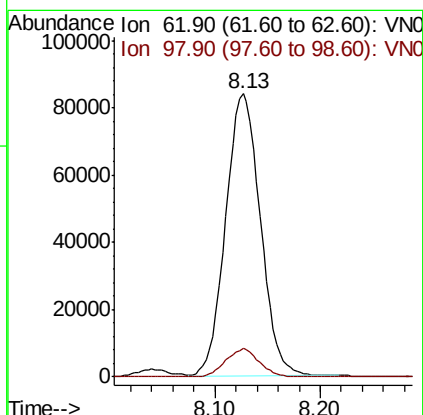
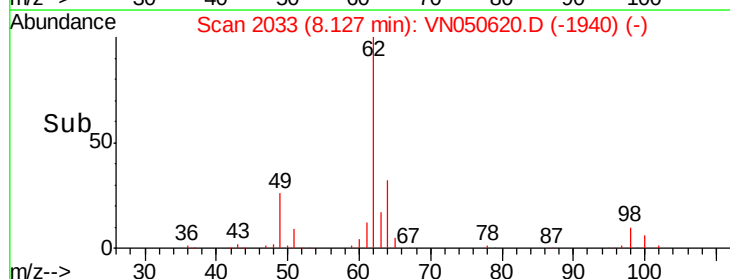
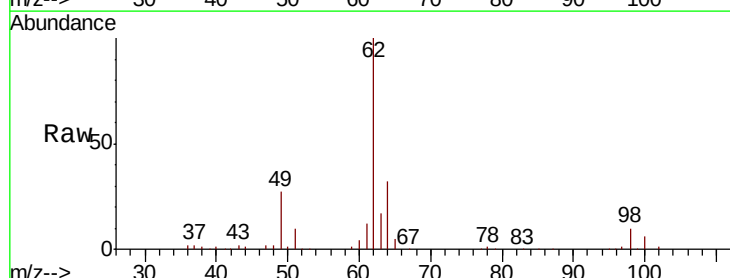
Lab File: VN050620.D

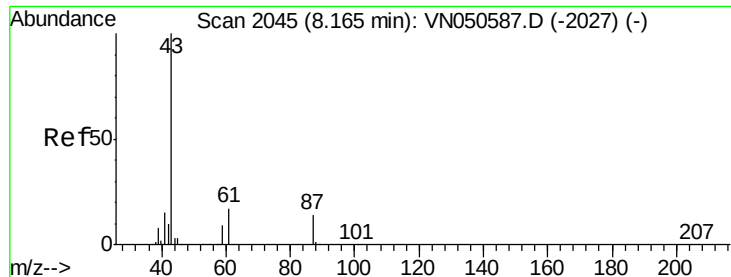
Acq: 14 Aug 2018 23:25

Tgt Ion: 62 Resp: 192134
Ion Ratio Lower Upper

62 100

98 9.6 0.0 19.4





#43

Isopropyl Acetate

Concen: 20.42 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

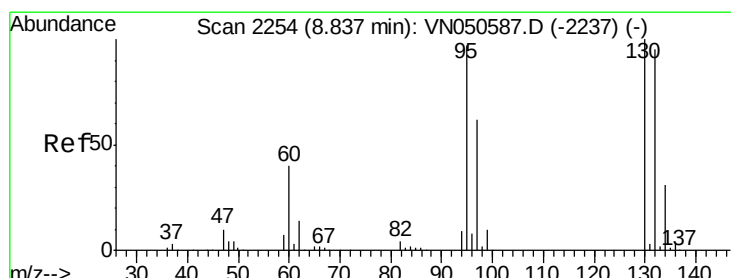
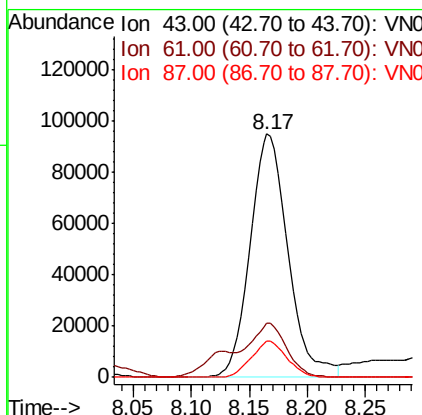
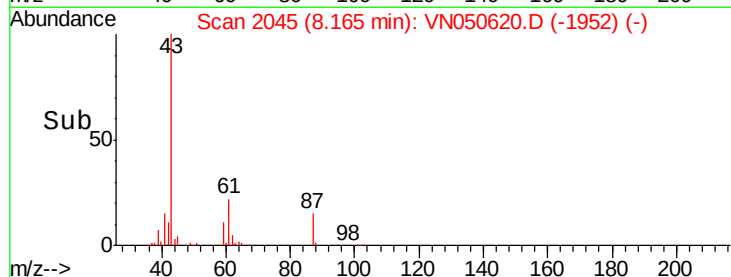
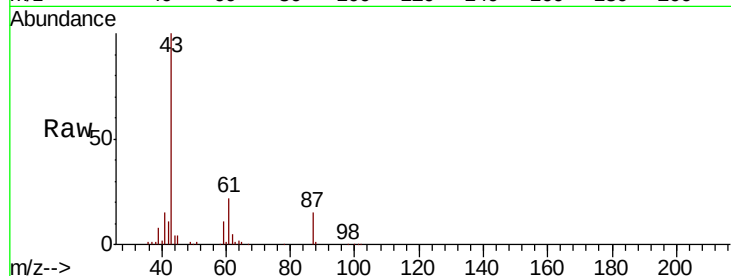
ClientSampleId :

VN0814WBSD02

Tot Ion:	43	Resp:	216574
Ion	Ratio	Lower	Upper
43	100		
61	20.0	16.2	24.2
87	13.9	10.9	16.3

Manual Integrations
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#44

Trichloroethene

Concen: 19.59 ug/l

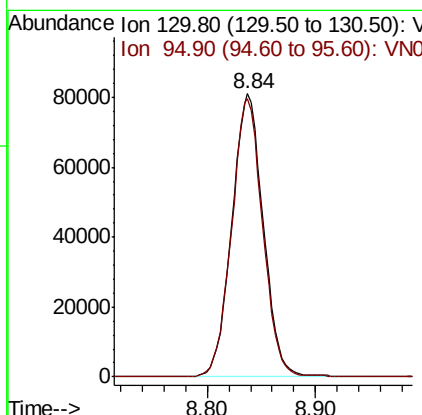
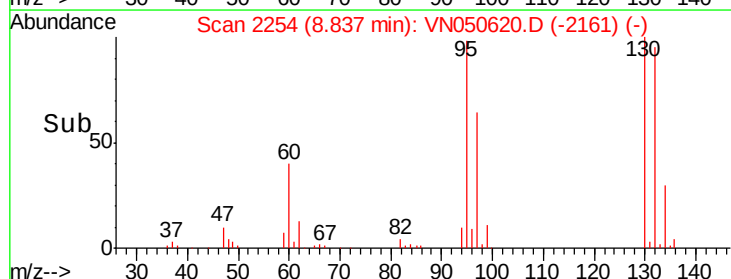
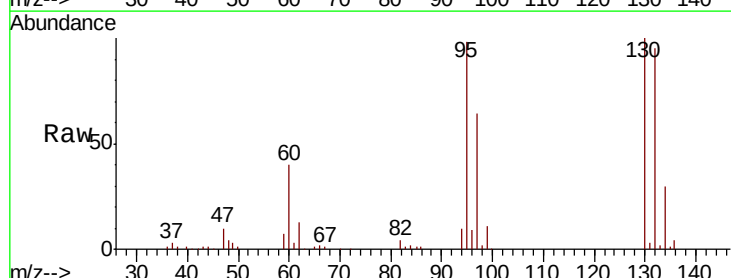
RT: 8.84 min Scan# 2254

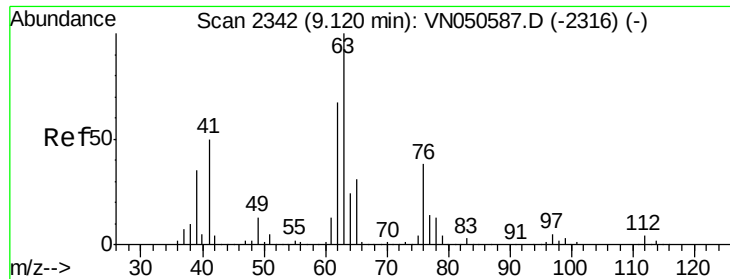
Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion:	130	Resp:	164348
Ion	Ratio	Lower	Upper
130	100		
95	98.5	0.0	193.8





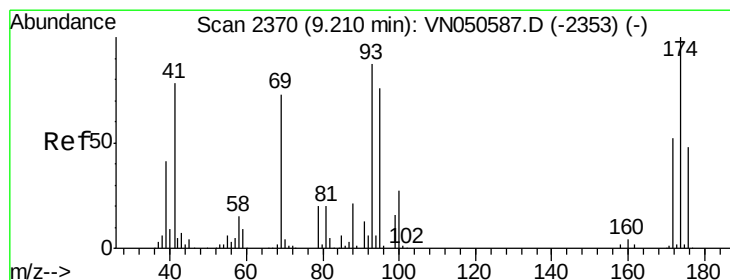
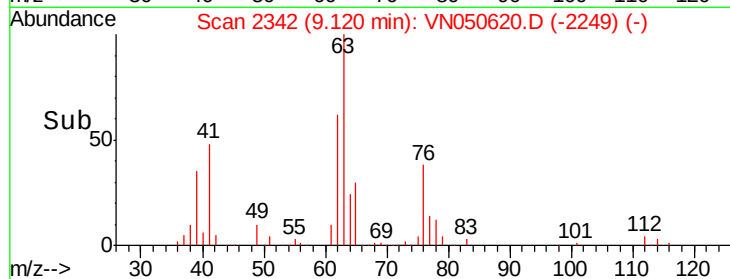
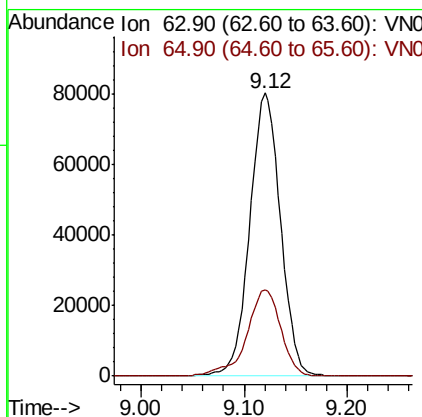
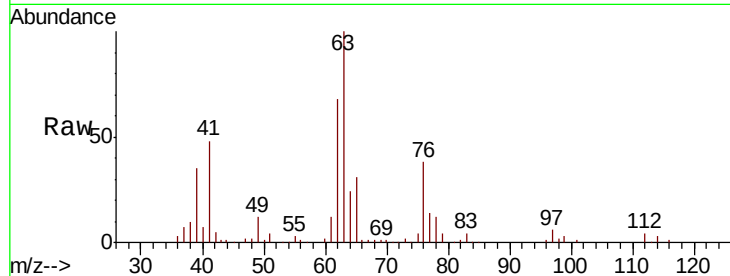
#45
 1,2-Dichloropropane
 Concen: 19.90 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion: 63 Resp: 165960
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.5 36.7

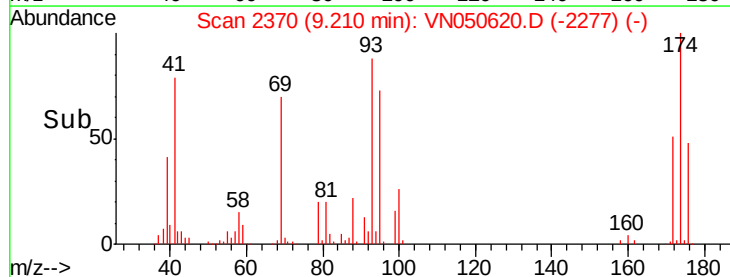
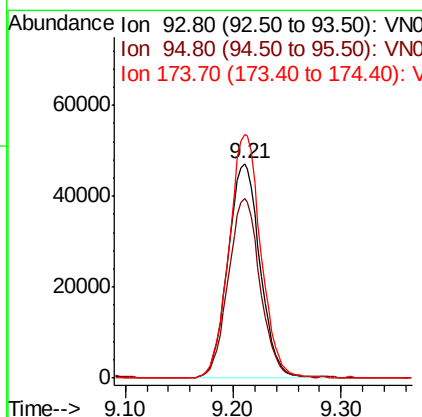
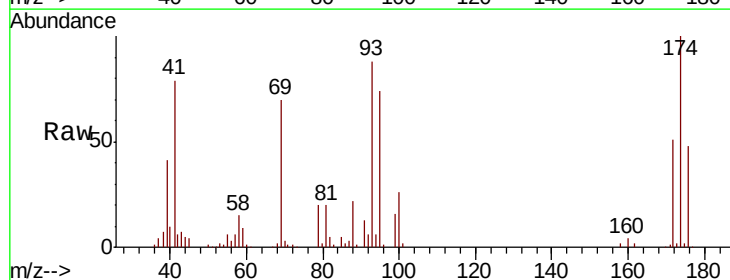
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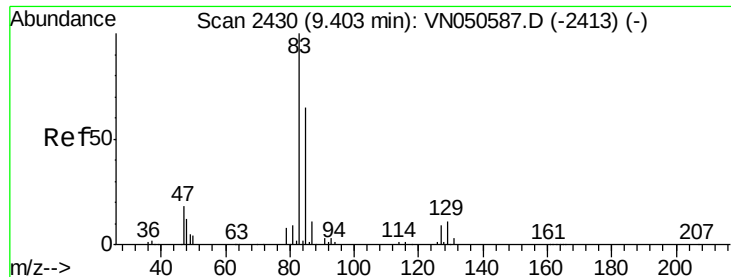
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#46
 Dibromomethane
 Concen: 19.90 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion: 93 Resp: 98006
 Ion Ratio Lower Upper
 93 100
 95 83.1 69.1 103.7
 174 113.1 91.0 136.6





#47

Bromodichloromethane

Concen: 19.31 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

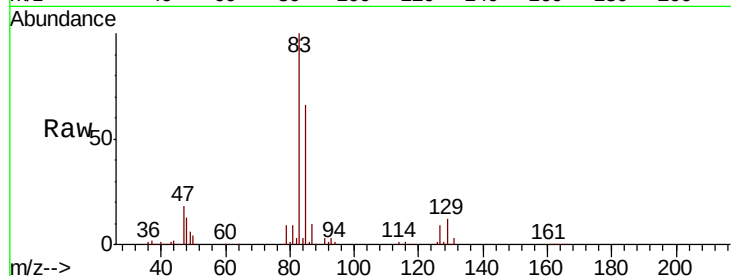
ClientSampleId :

VN0814WBSD02

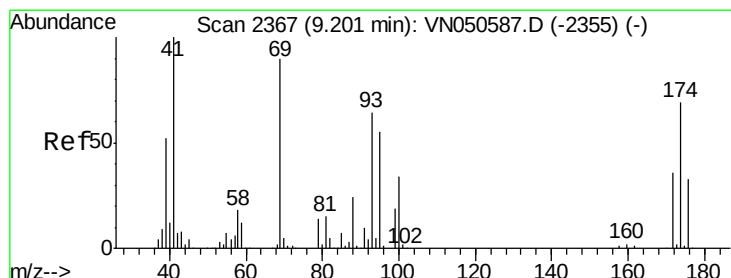
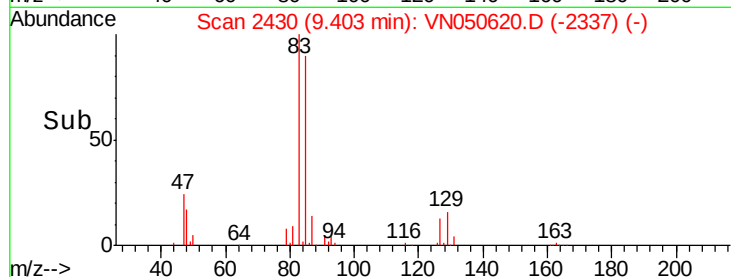
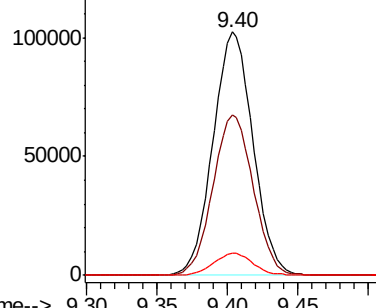
Tot Ion:	83	Resp:	203257
Ion Ratio	Lower	Upper	
83	100		
85	66.1	51.8	77.6
127	9.1	7.2	10.8

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Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.70 ug/l

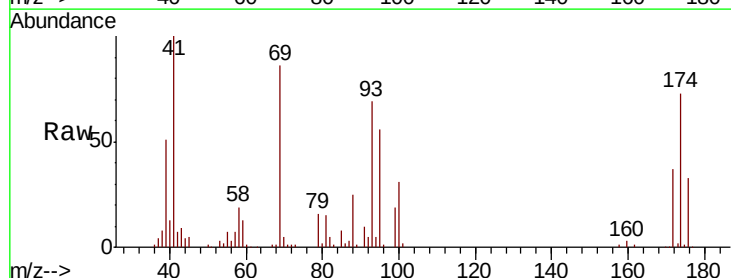
RT: 9.20 min Scan# 2367

Delta R.T. 0.00 min

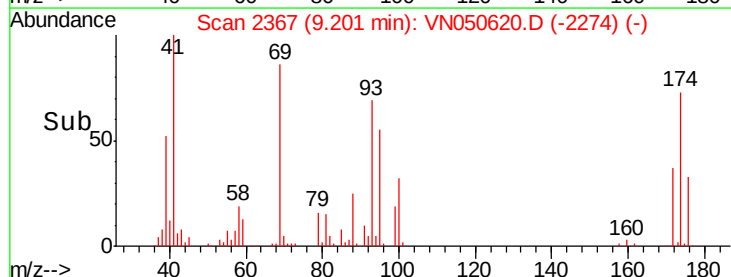
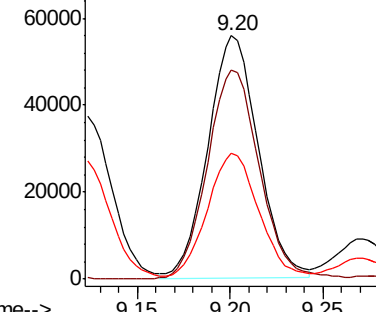
Lab File: VN050620.D

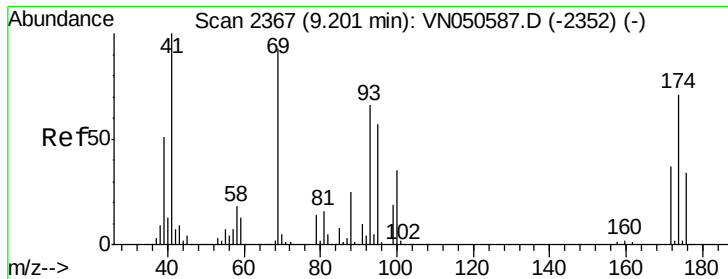
Acq: 14 Aug 2018 23:25

Tgt Ion:	41	Resp:	105141
Ion Ratio	Lower	Upper	
41	100		
69	89.6	73.4	110.0
39	52.7	43.0	64.6



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





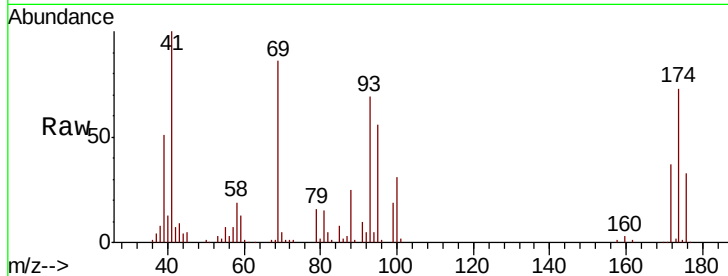
#49
 1,4-Dioxane
 Concen: 419.60 ug/l
 RT: 9.20 min Scan# 2367
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.7	25.9	38.9
58	72.1	56.5	84.7

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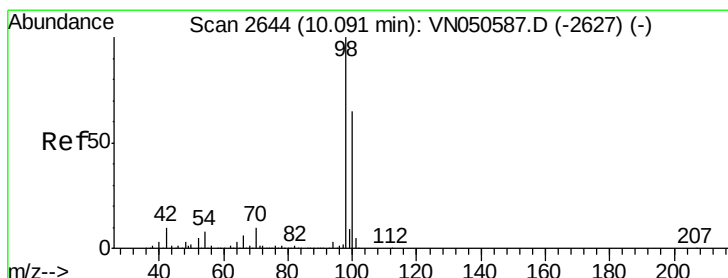
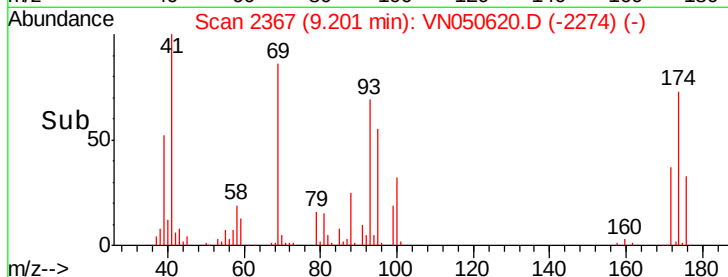
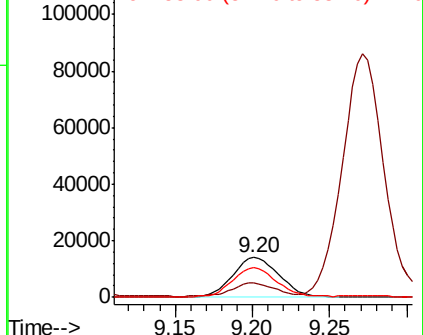


Abundance

Ion 88.00 (87.70 to 88.70): VN050587.D (-2352) (-)

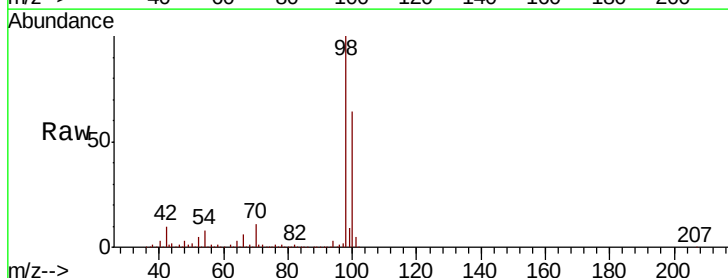
Ion 43.00 (42.70 to 43.70): VN050587.D (-2352) (-)

Ion 58.00 (57.70 to 58.70): VN050587.D (-2352) (-)



#50
 Toluene-d8
 Concen: 50.08 ug/l
 RT: 10.09 min Scan# 2644
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

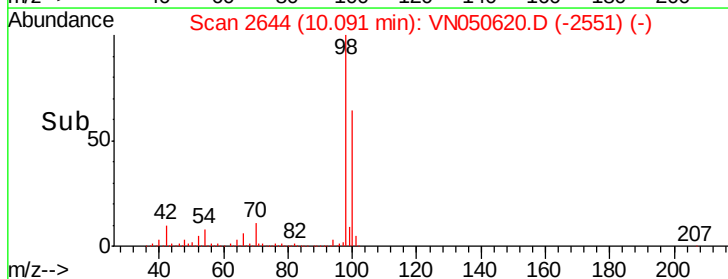
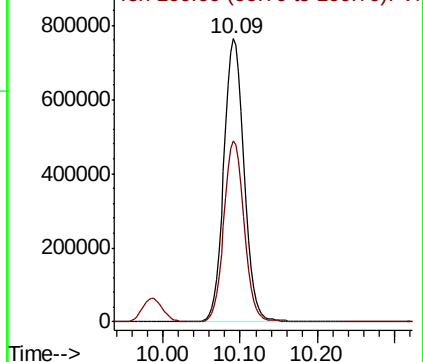
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8

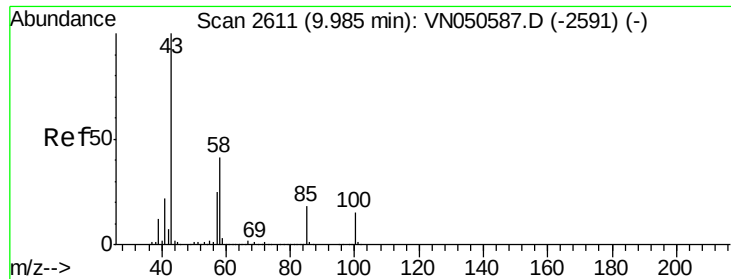


Abundance

Ion 98.00 (97.70 to 98.70): VN050587.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN050587.D (-2627) (-)





#51

4-Methyl-2-Pentanone

Concen: 104.58 ug/l

RT: 9.99 min Scan# 2611

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 43 Resp: 750274

Ion Ratio Lower Upper

43 100

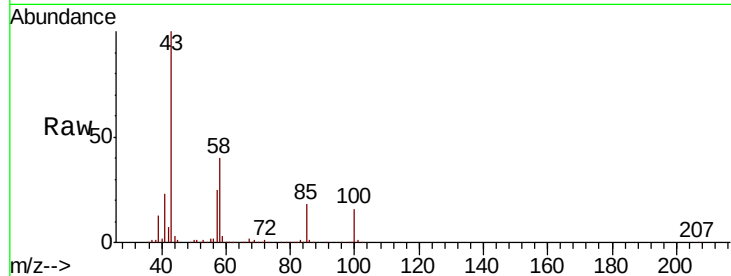
58 40.7 32.5 48.7

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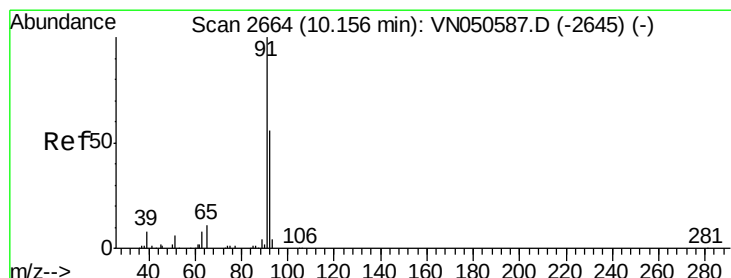
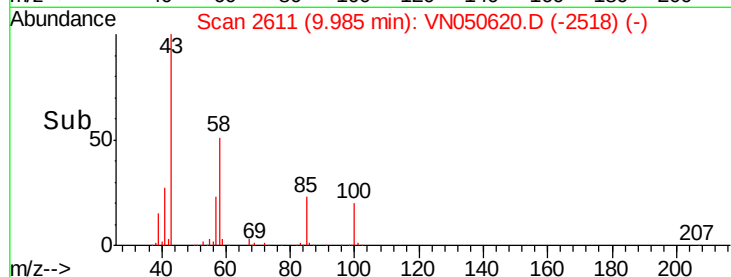
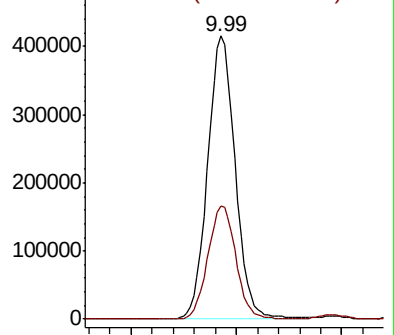
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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.54 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN050620.D

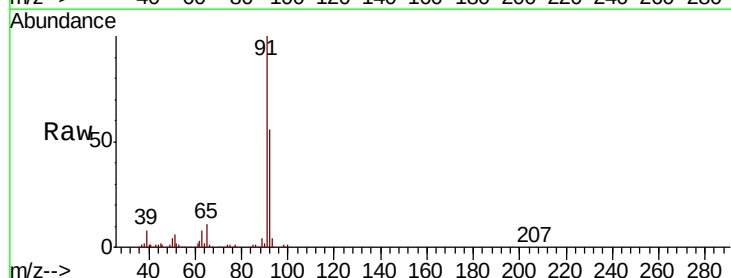
Acq: 14 Aug 2018 23:25

Tgt Ion: 92 Resp: 384223

Ion Ratio Lower Upper

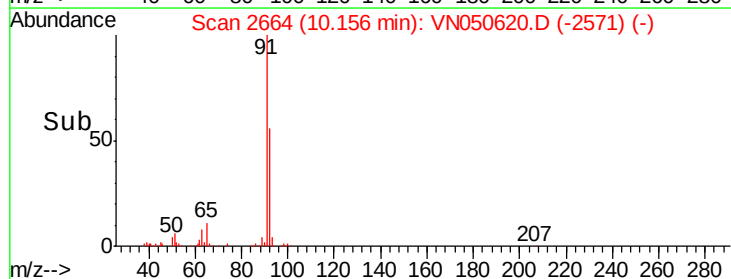
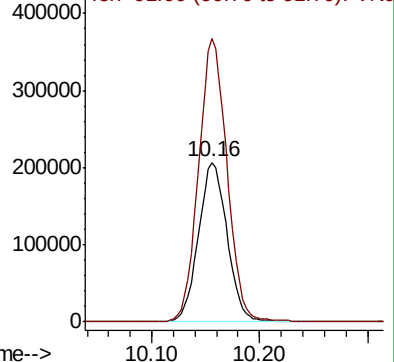
92 100

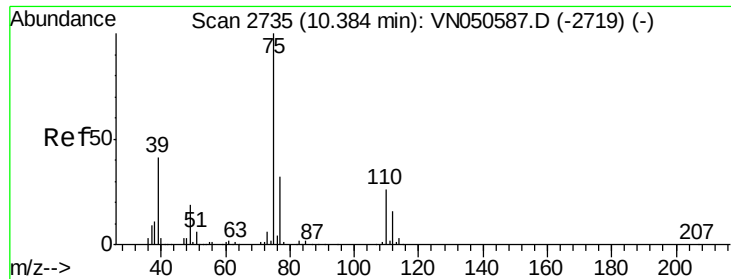
91 176.0 141.9 212.9



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 20.08 ug/l

RT: 10.38 min Scan# 2735

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 75 Resp: 196901

Ion Ratio Lower Upper

75 100

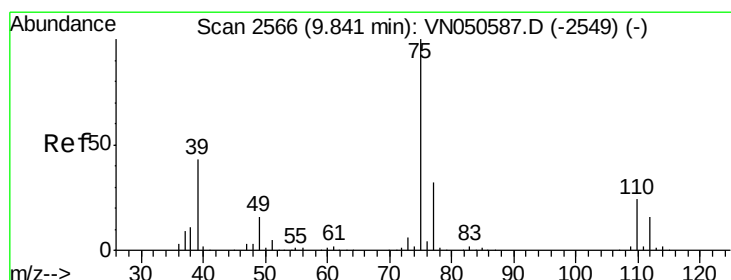
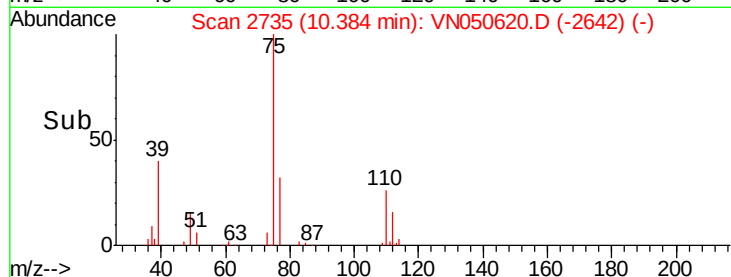
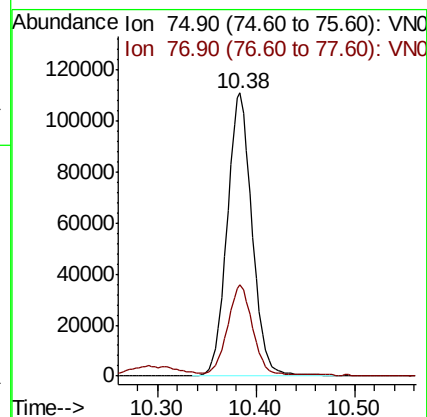
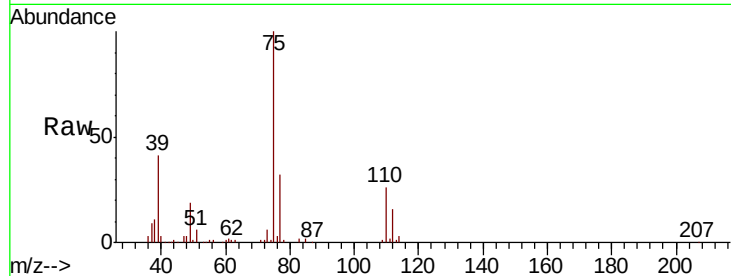
77 31.7 25.8 38.6

Manual Integrations

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#54

cis-1,3-Dichloropropene

Concen: 20.28 ug/l

RT: 9.84 min Scan# 2566

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

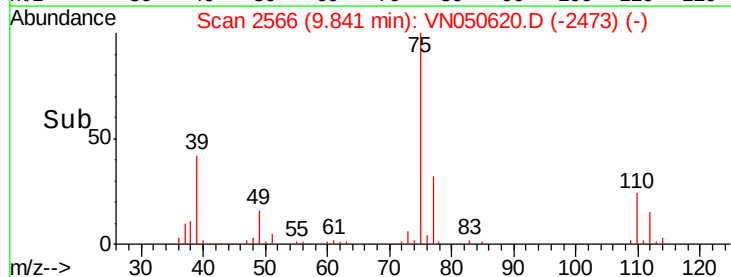
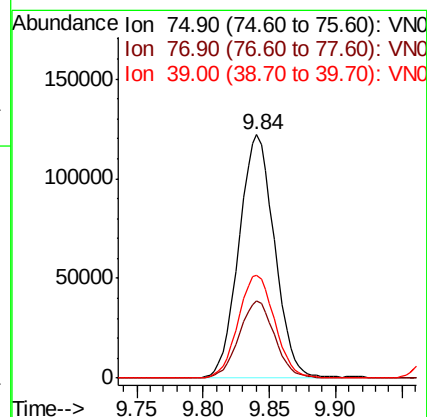
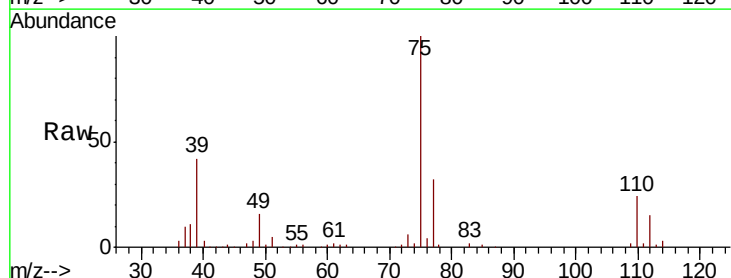
Tgt Ion: 75 Resp: 228139

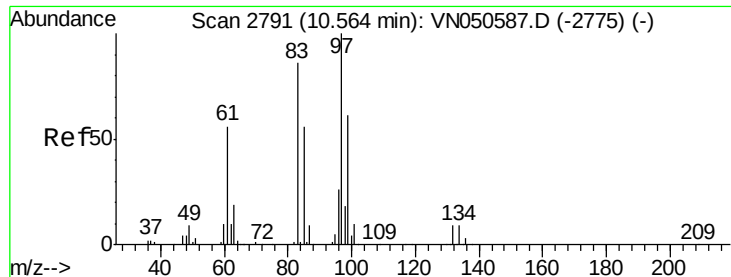
Ion Ratio Lower Upper

75 100

77 31.6 25.6 38.4

39 42.5 34.4 51.6





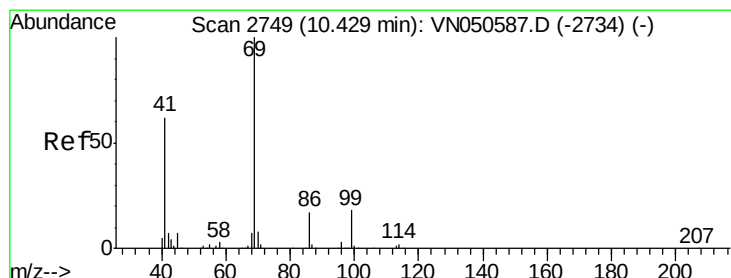
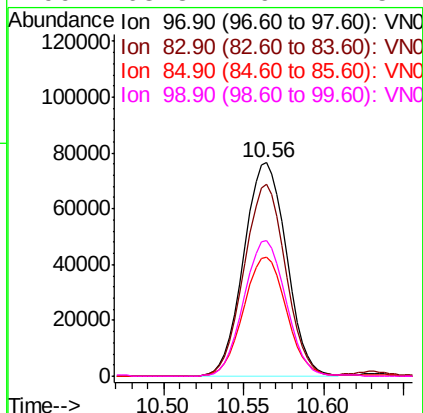
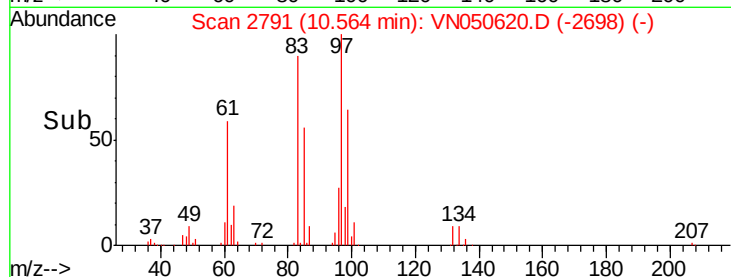
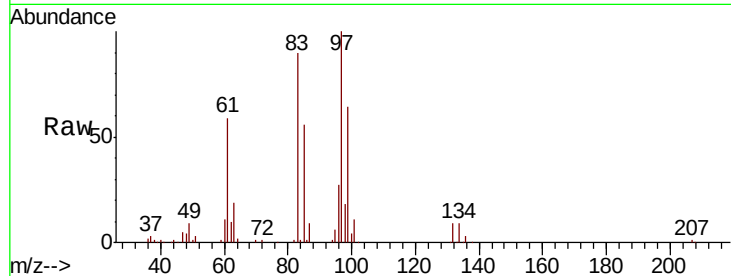
#55
 1,1,2-Trichloroethane
 Concen: 20.11 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		140510		
83	89.7	68.5	102.7		
85	56.0	44.6	66.8		
99	63.8	49.1	73.7		

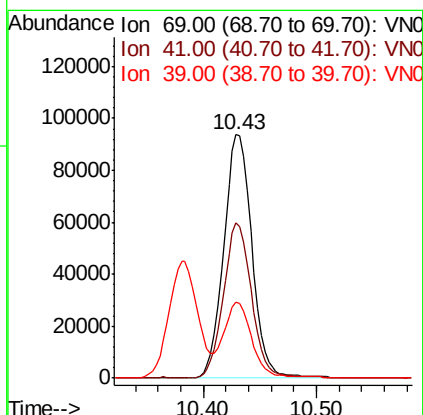
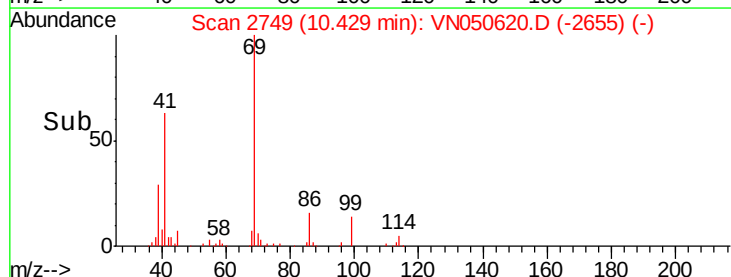
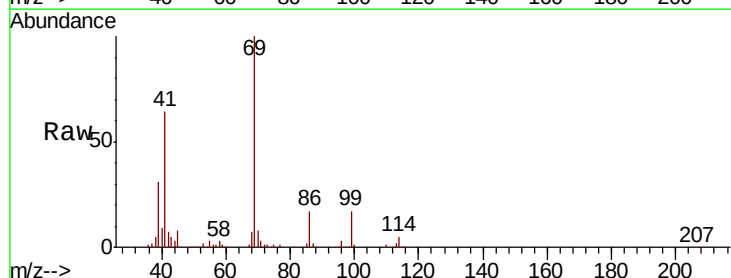
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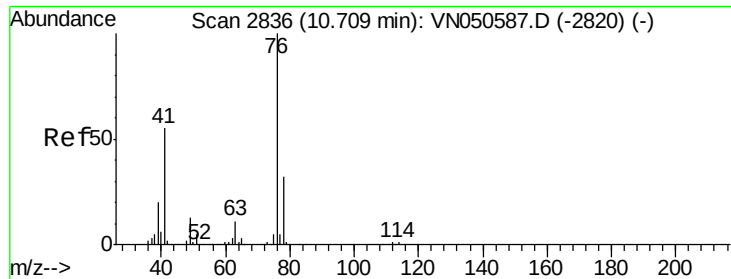
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#56
 Ethyl methacrylate
 Concen: 19.46 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		162708		
41	62.6	49.7	74.5		
39	30.4	24.2	36.2		





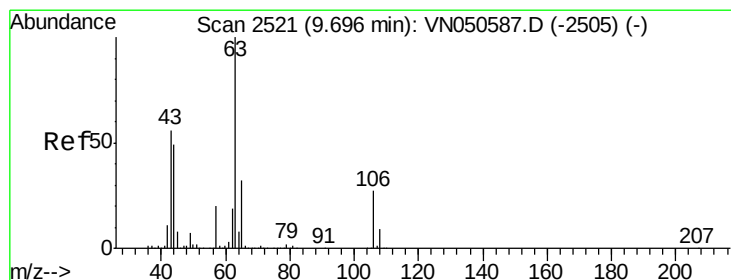
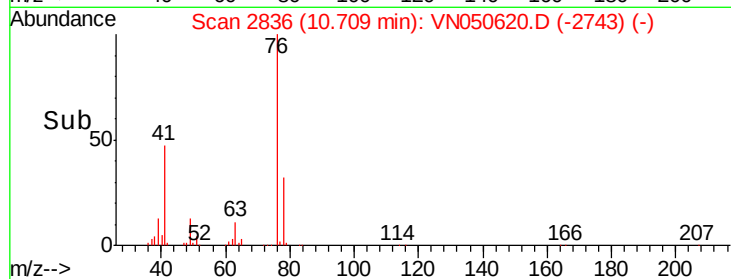
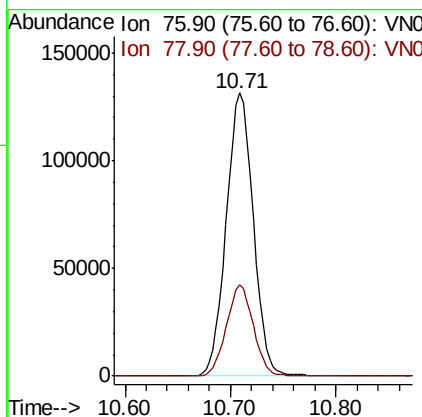
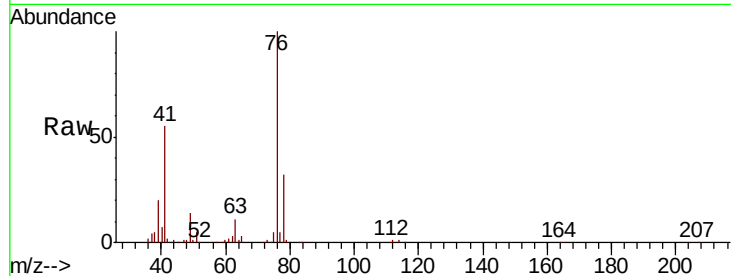
#57
 1,3-Dichloropropane
 Concen: 20.38 ug/l
 RT: 10.71 min Scan# 2836
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
76	100		
78	32.1	25.8	38.6

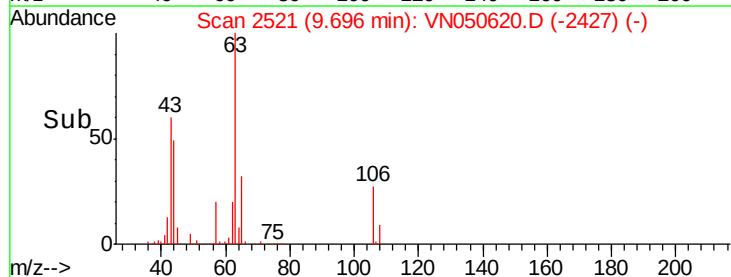
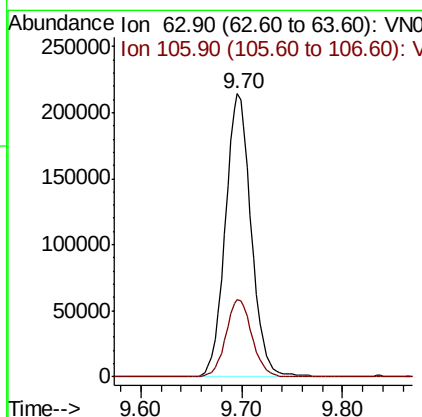
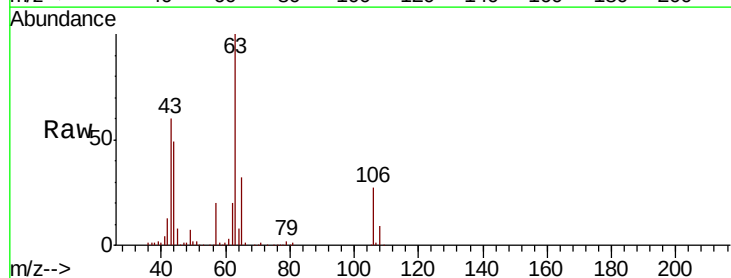
Manual Integrations
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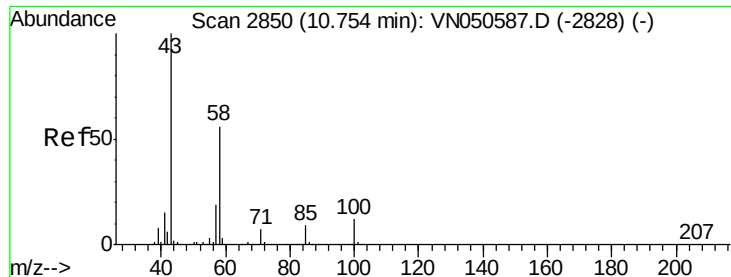
MMDadoda
 8/15/2018 3:32:25 PM



#58
 2-Chloroethyl Vinyl ether
 Concen: 96.40 ug/l
 RT: 9.70 min Scan# 2521
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
63	100		
106	27.5	21.7	32.5





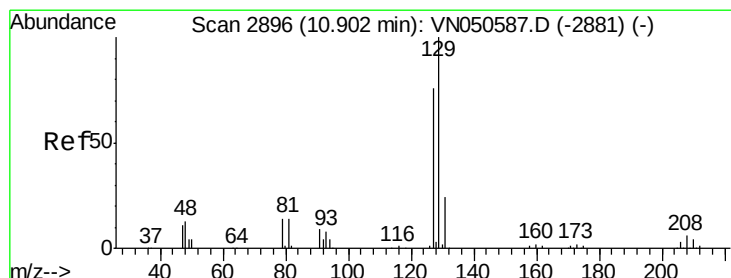
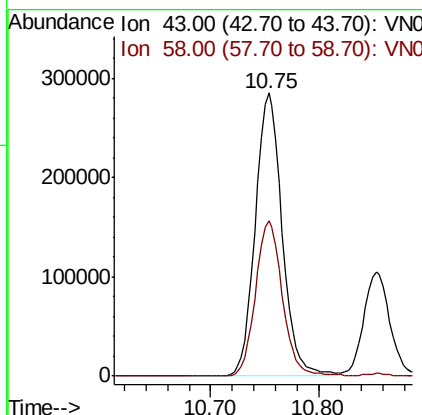
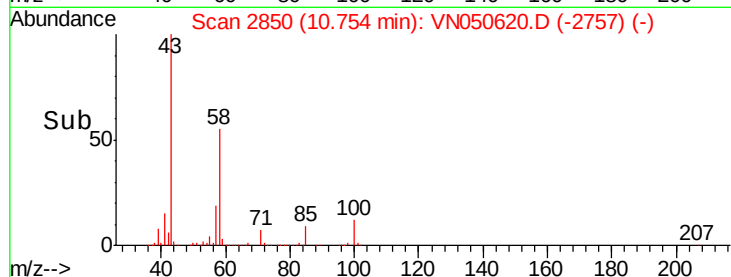
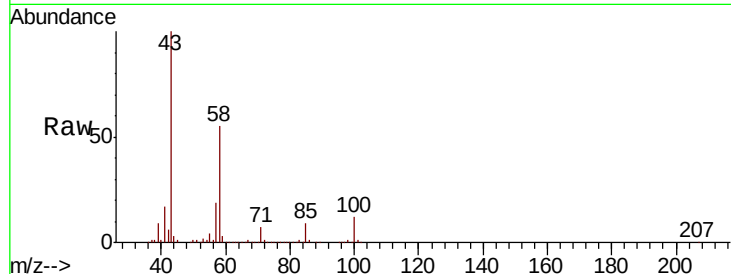
#59
2-Hexanone
Concen: 105.95 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.0	28.0	84.0

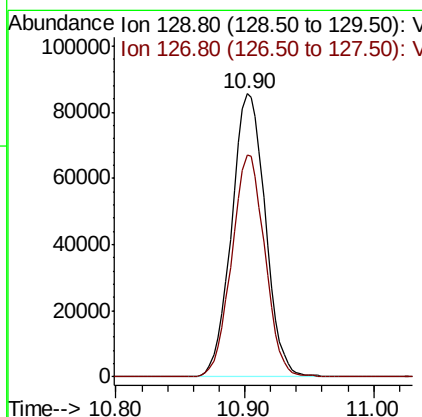
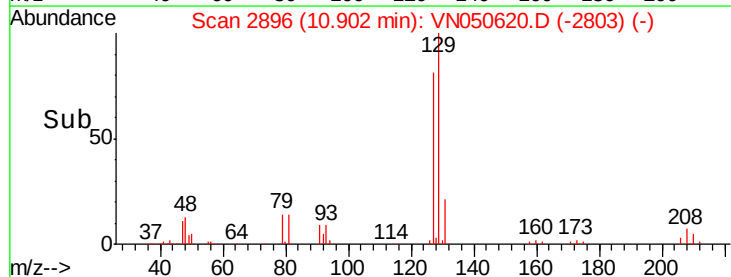
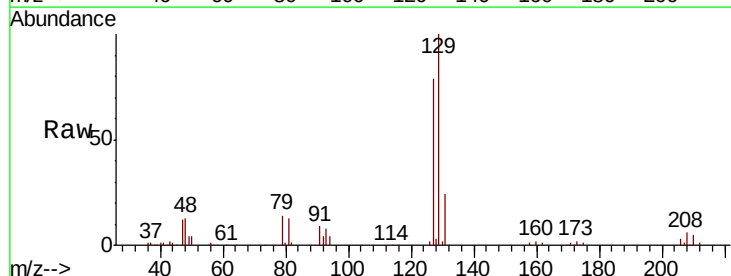
Manual Integrations
APPROVED

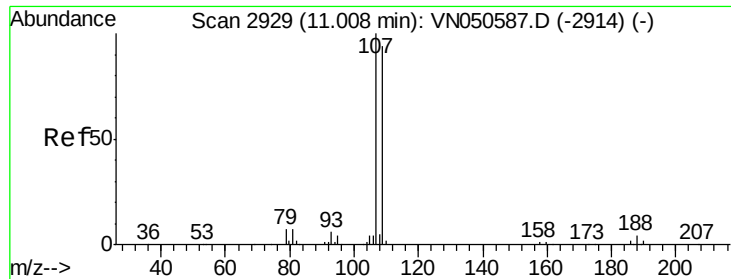
MMDadoda
8/15/2018 3:32:25 PM



#60
Dibromochloromethane
Concen: 20.14 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
129	100		
127	77.2	38.9	116.7





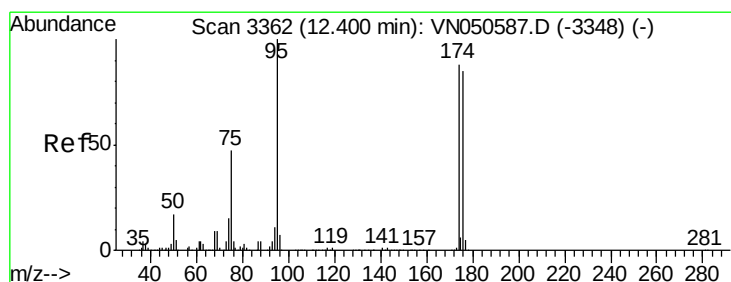
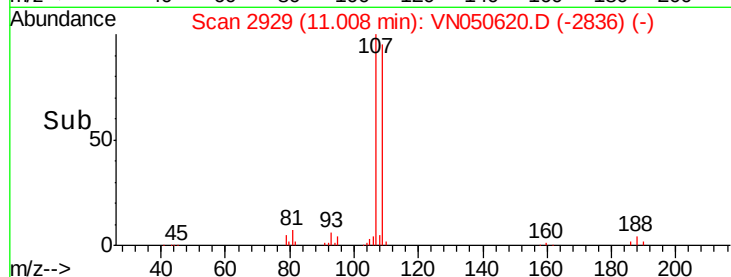
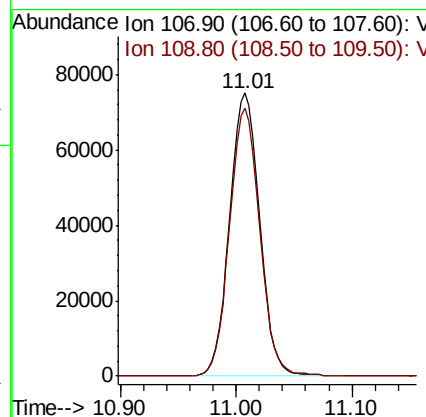
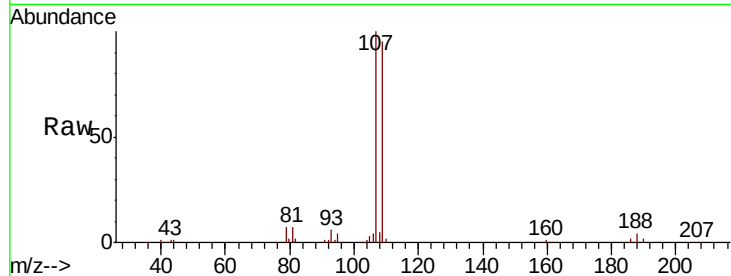
#61
 1,2-Dibromoethane
 Concen: 20.22 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	75.7	113.5

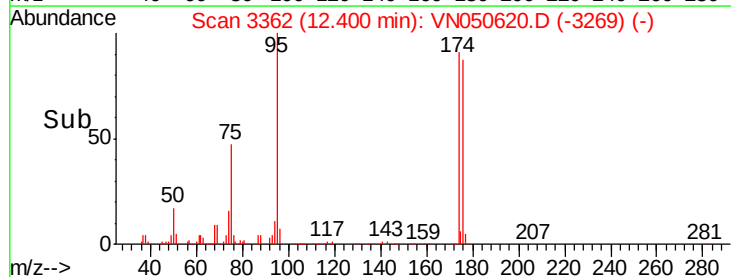
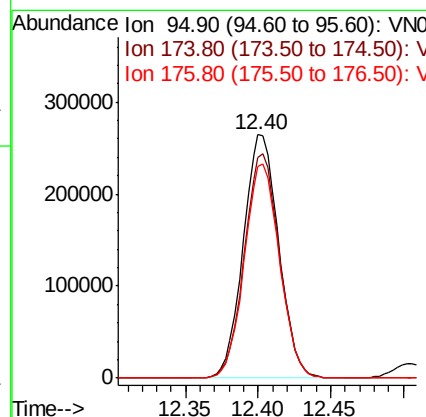
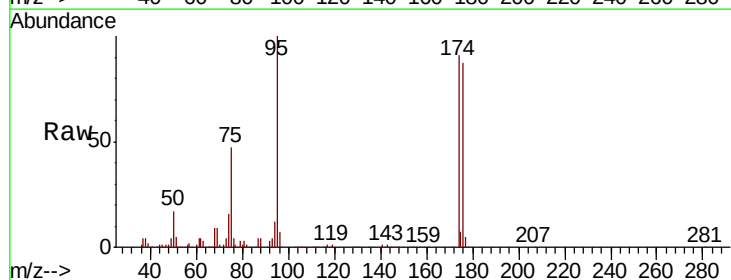
Manual Integrations
 APPROVED

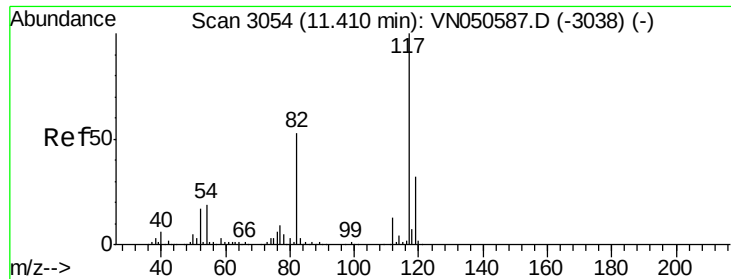
MMDadoda
 8/15/2018 3:32:25 PM



#62
 4-Bromofluorobenzene
 Concen: 48.95 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.3	0.0	177.8
176	87.6	0.0	175.0





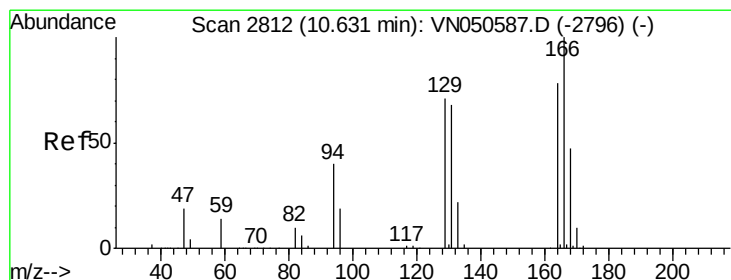
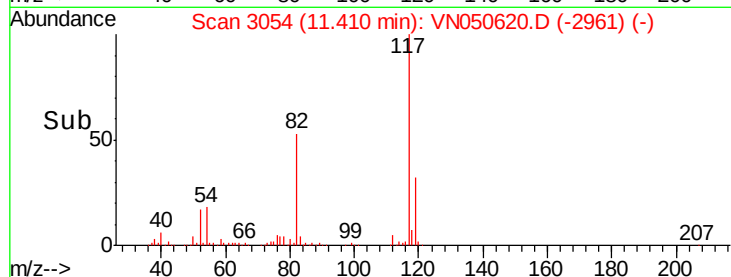
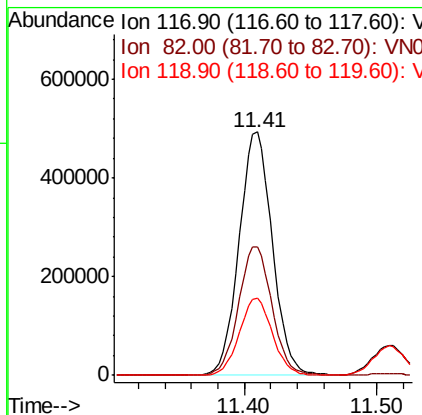
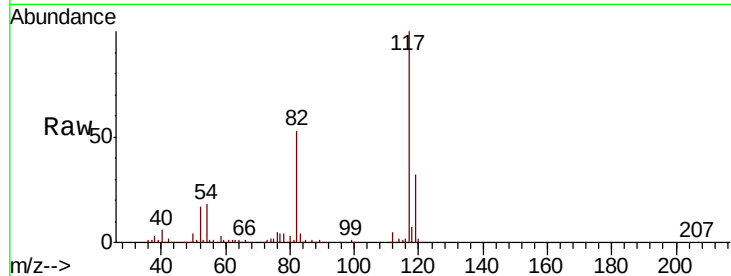
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.9	42.4	63.6
119	31.7	25.8	38.8

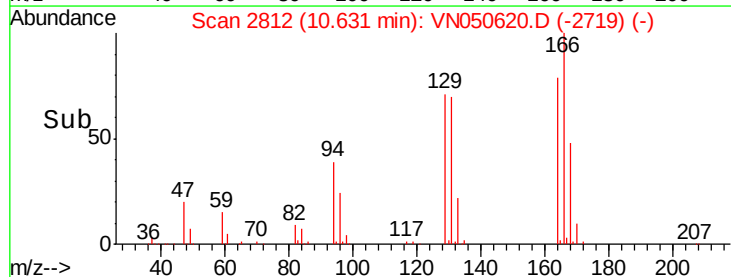
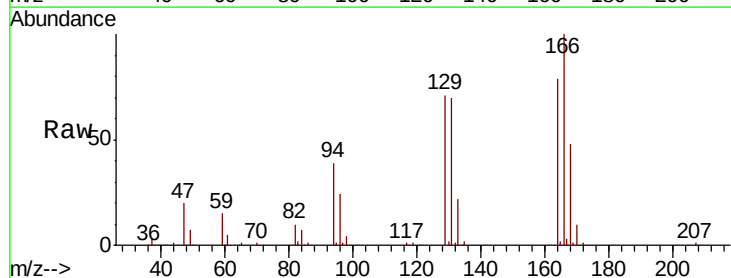
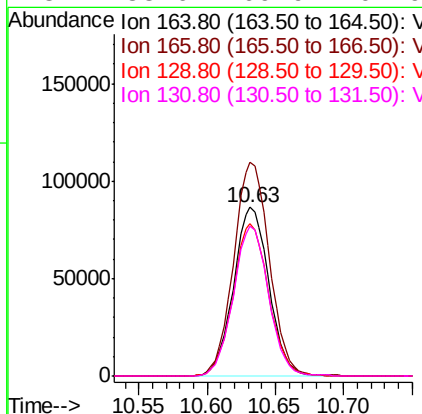
Manual Integrations
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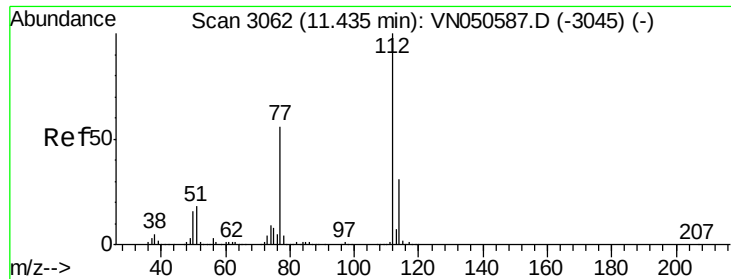
MMDadoda
8/15/2018 3:32:25 PM



#64
Tetrachloroethene
Concen: 19.49 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
164	100		
166	126.7	102.1	153.1
129	90.1	72.7	109.1
131	88.6	69.9	104.9





#65

Chlorobenzene

Concen: 19.72 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampled :

VN0814WBSD02

Tot Ion:112 Resp: 422431

Ion Ratio Lower Upper

112 100

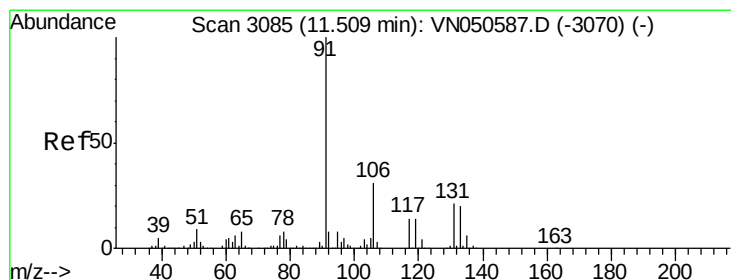
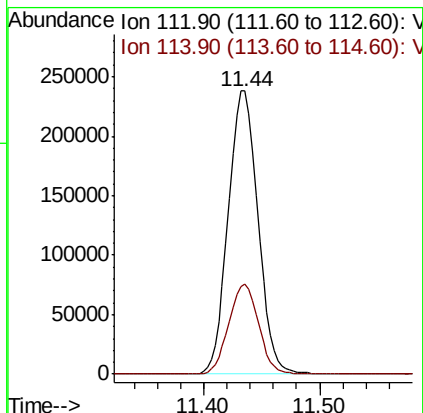
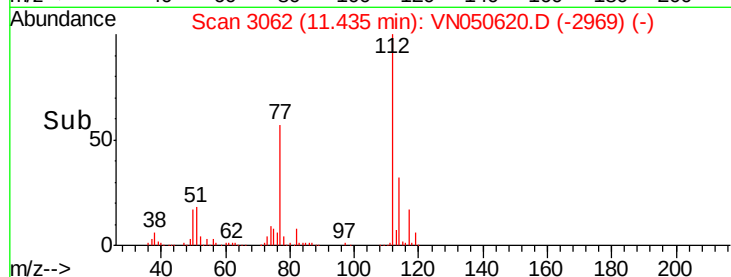
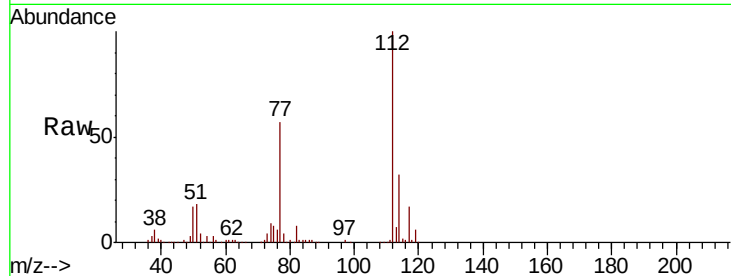
114 31.7 25.2 37.8

Manual Integrations

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#66

1,1,1,2-Tetrachloroethane

Concen: 19.30 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

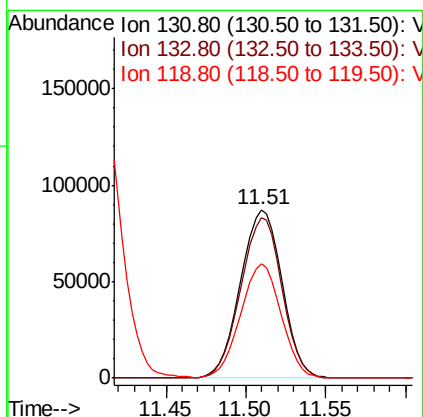
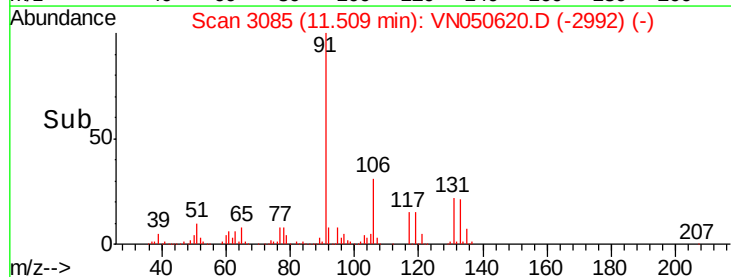
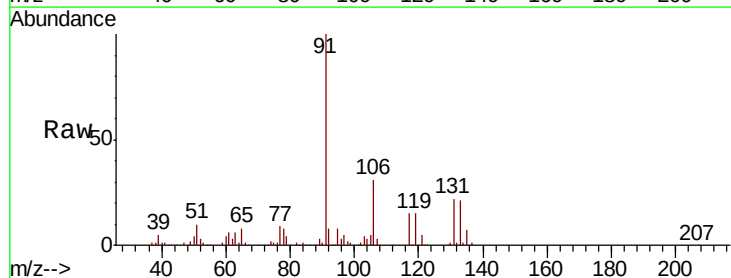
Tgt Ion:131 Resp: 154973

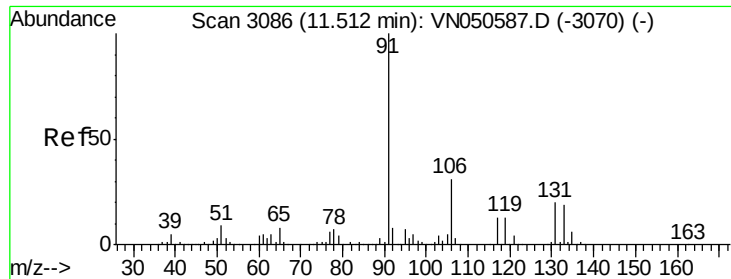
Ion Ratio Lower Upper

131 100

133 94.5 47.6 142.9

119 66.2 33.1 99.3





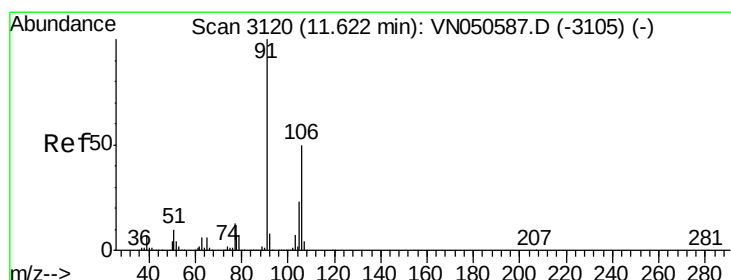
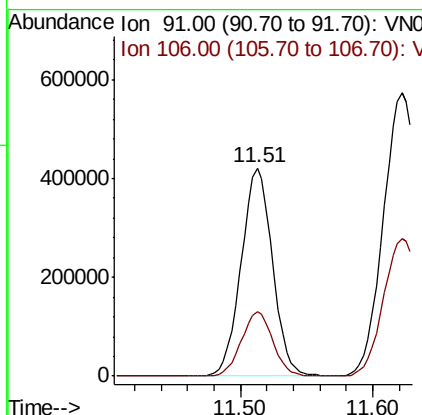
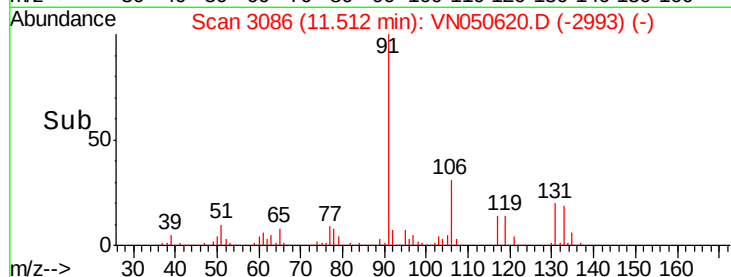
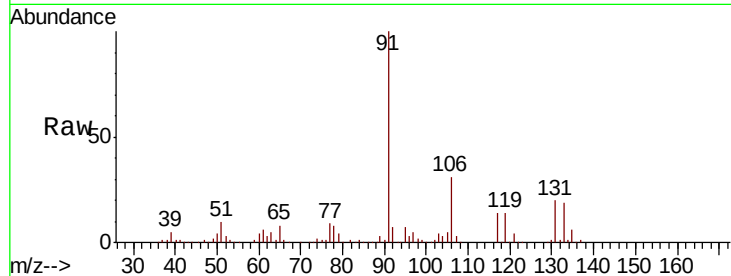
#67
Ethyl Benzene
Concen: 19.96 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampled :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
91	100		
106	30.8	24.8	37.2

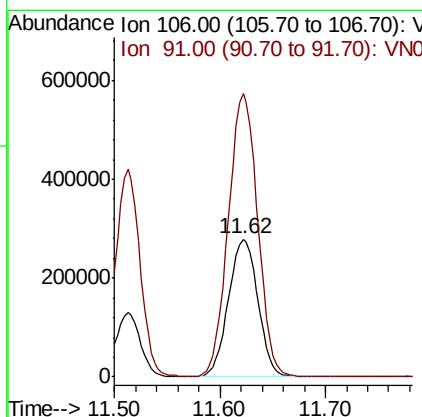
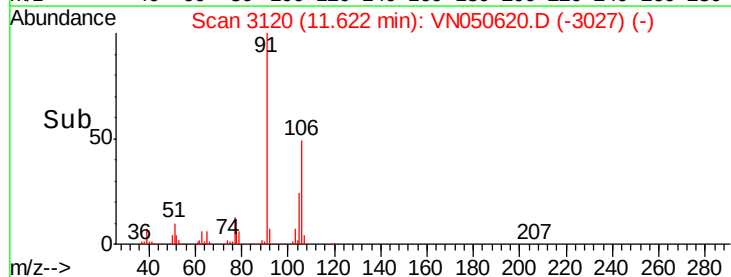
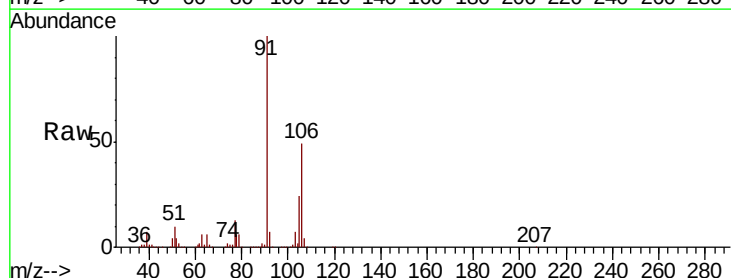
Manual Integrations
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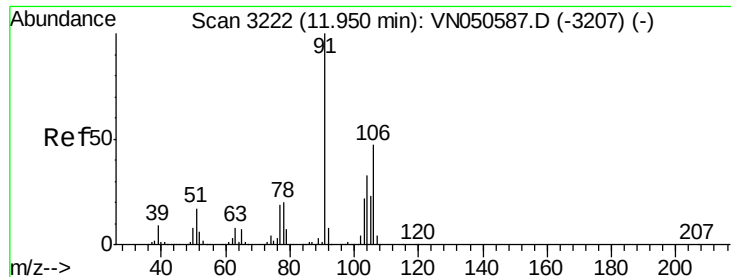
MMDadoda
8/15/2018 3:32:25 PM



#68
m/p-Xylenes
Concen: 40.86 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
106	100		
91	203.6	161.5	242.3





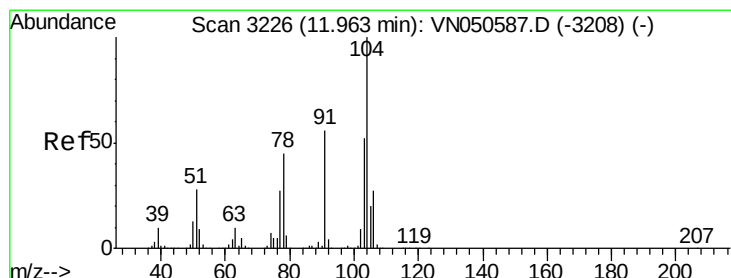
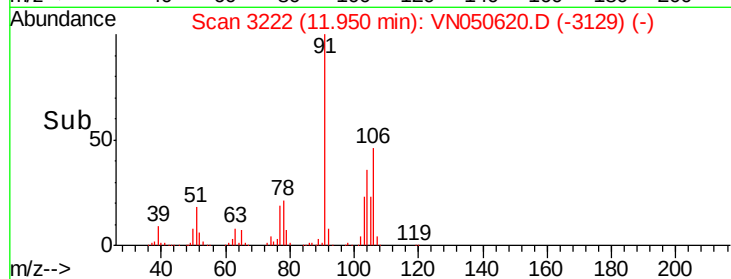
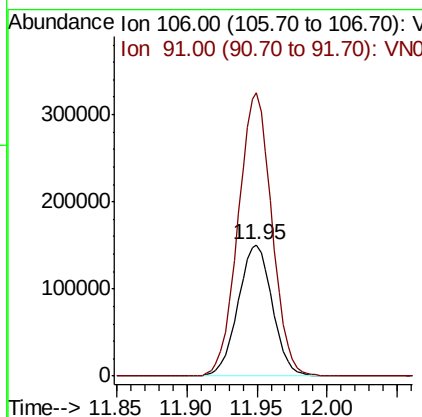
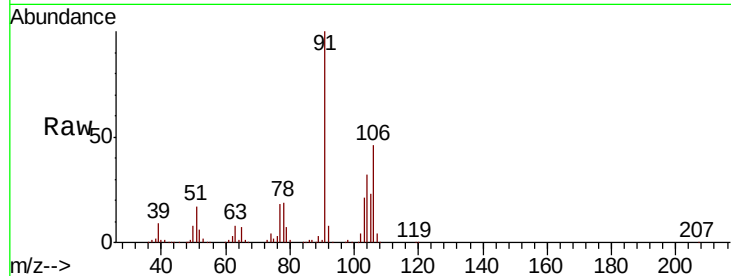
#69
o-Xylene
Concen: 20.30 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
106	100		
91	212.6	106.8	320.4

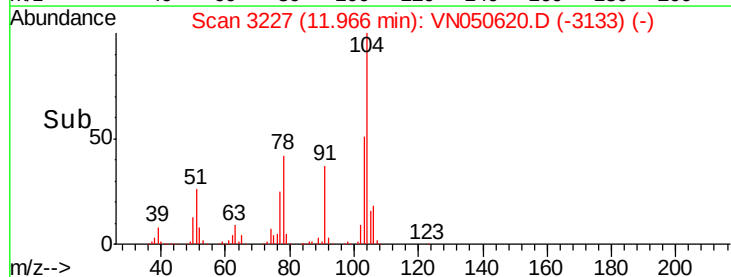
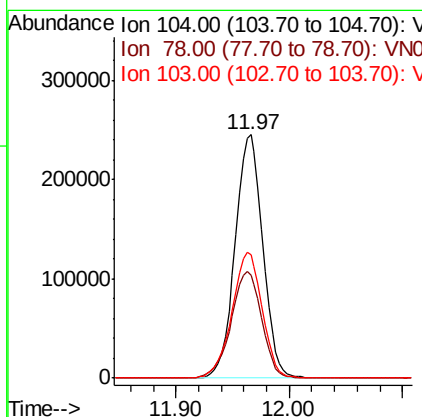
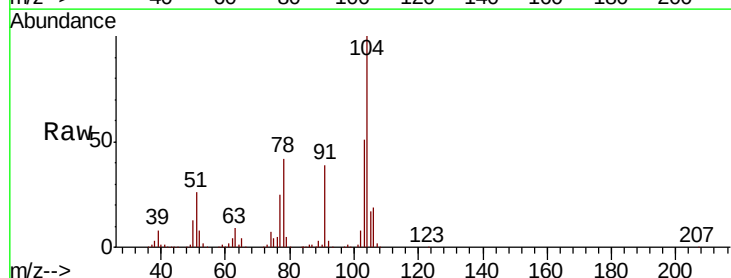
Manual Integrations
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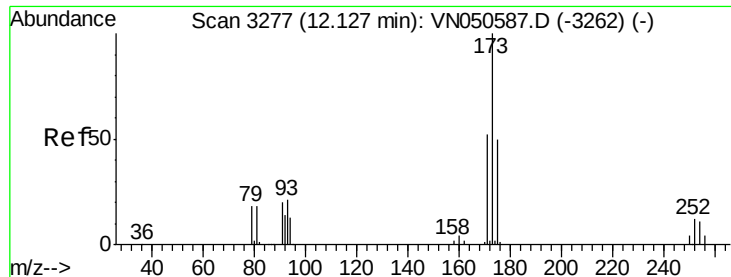
MMDadoda
8/15/2018 3:32:25 PM



#70
Styrene
Concen: 19.27 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. 0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
104	100		
78	48.5	39.1	58.7
103	56.2	44.9	67.3





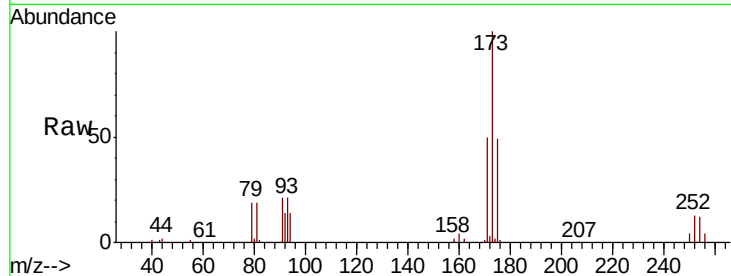
#71
Bromoform
Concen: 19.63 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.1	24.4	73.2
254	0.1	0.0	0.0#

Manual Integrations
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MMDadoda
8/15/2018 3:32:25 PM

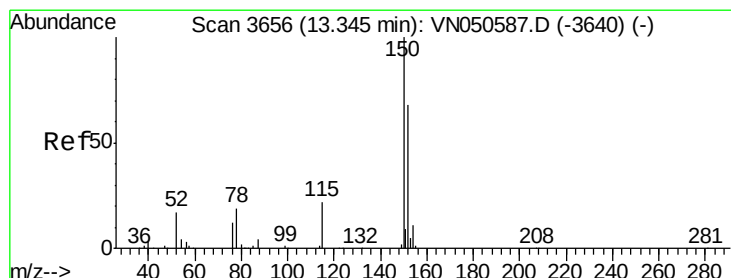
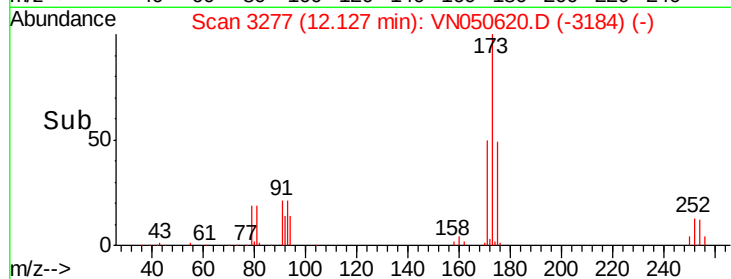
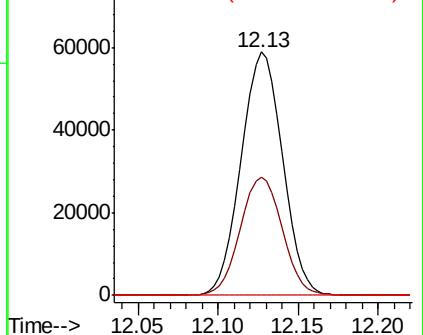


Abundance

Ion 172.70 (172.40 to 173.40): V

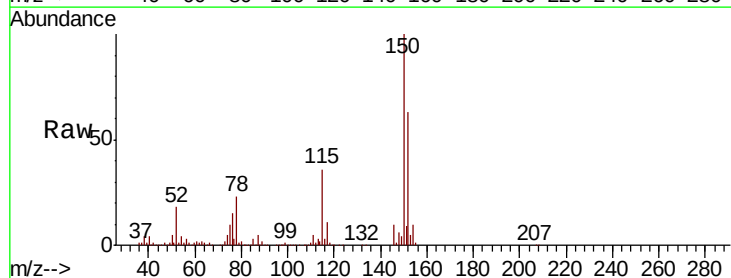
Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. -0.00 min
Lab File: VN050620.D
Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.5	28.1	84.2
150	164.2	0.0	347.8

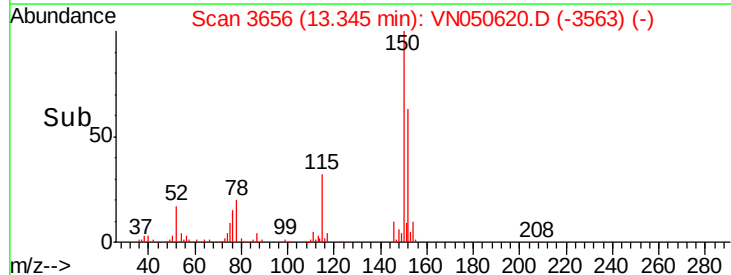
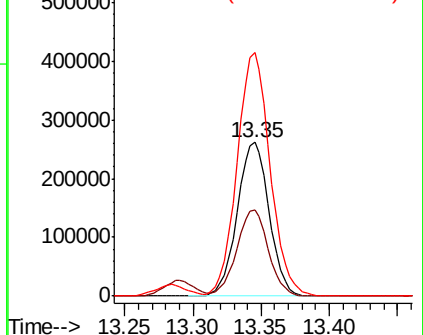


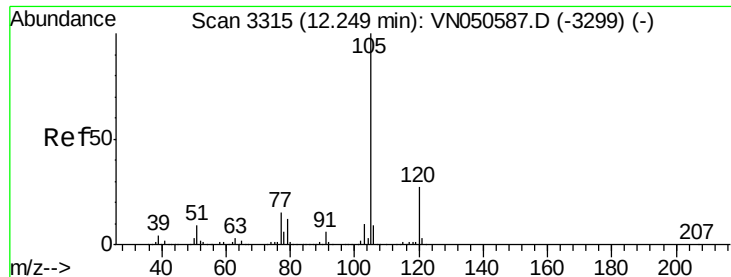
Abundance

Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 20.43 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion:105 Resp: 677393

Ion Ratio Lower Upper

105 100

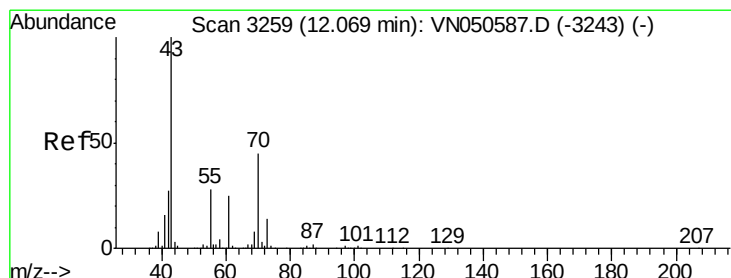
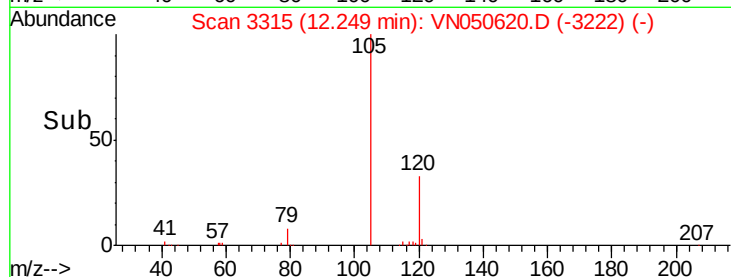
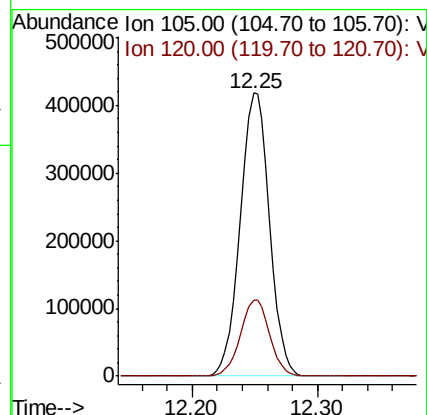
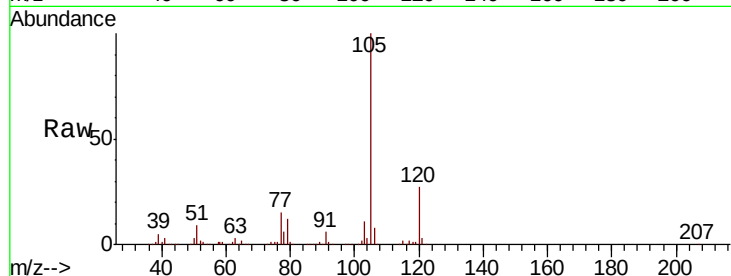
120 26.8 13.4 40.1

Manual Integrations

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8/15/2018 3:32:25 PM



#74

N-ethyl acetate

Concen: 20.25 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion: 43 Resp: 174687

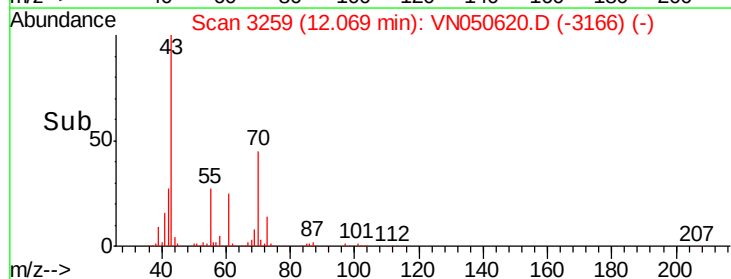
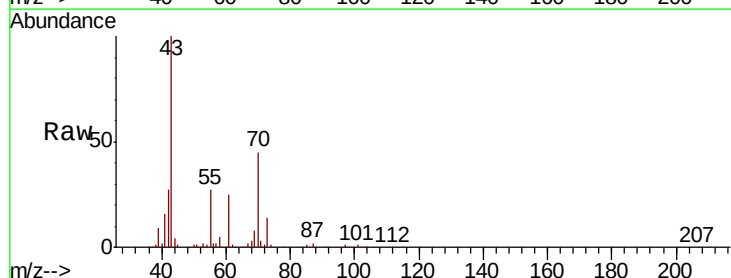
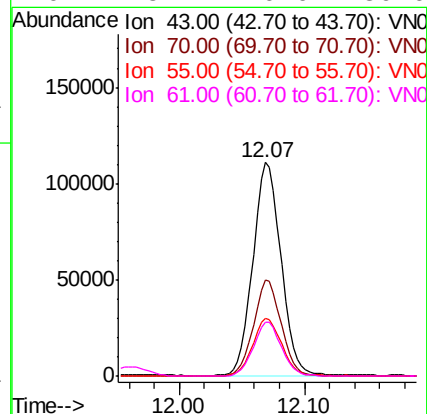
Ion Ratio Lower Upper

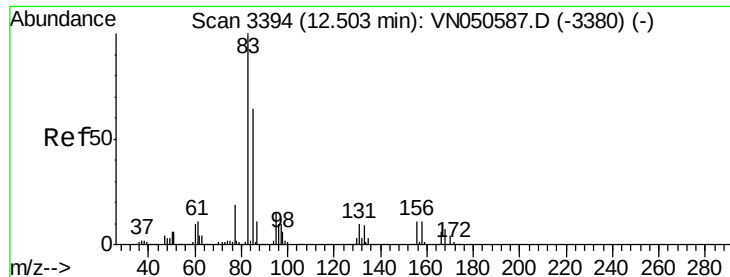
43 100

70 44.1 35.9 53.9

55 27.7 22.2 33.4

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 21.41 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

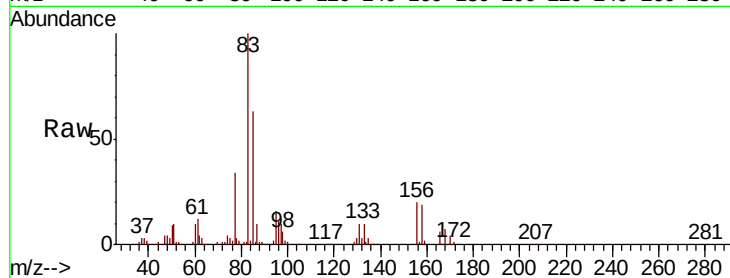
ClientSampleId :

VN0814WBSD02

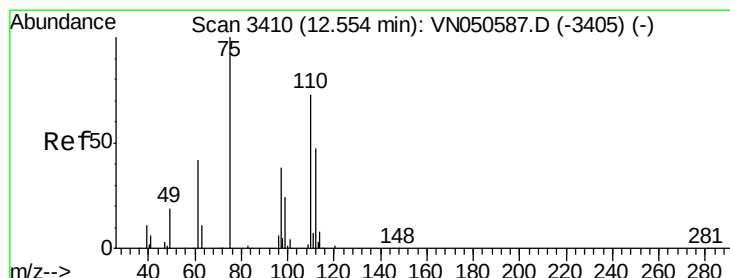
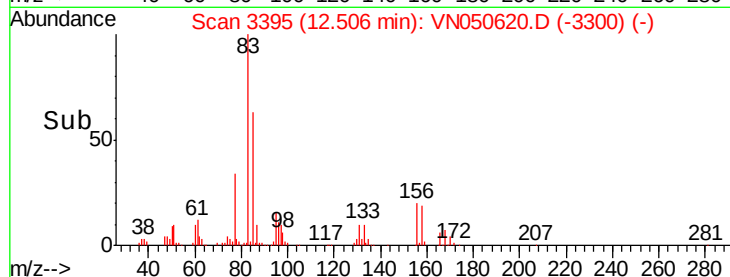
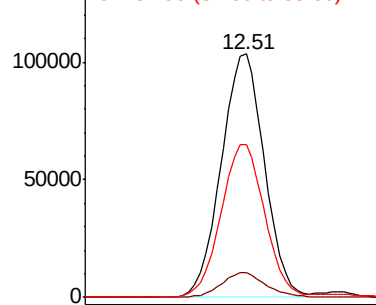
Tot Ion:	83	Resp:	175061
Ion Ratio	Lower	Upper	
83	100		
131	10.3	5.3	15.9
85	63.5	32.1	96.5

Manual Integrations
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Abundance Ion 82.90 (82.60 to 83.60): VN050587.D (-3380) (-)



#76

1,2,3-Trichloropropane

Concen: 18.71 ug/l m

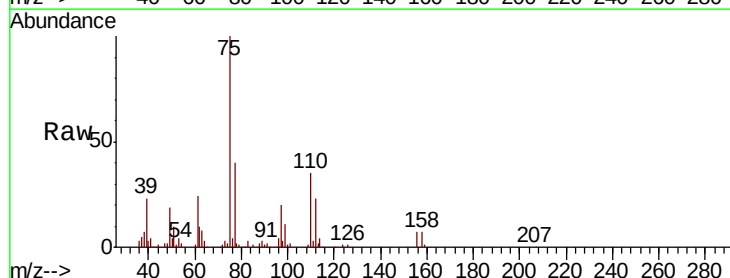
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

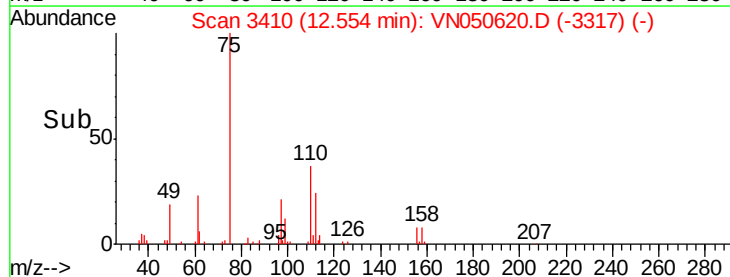
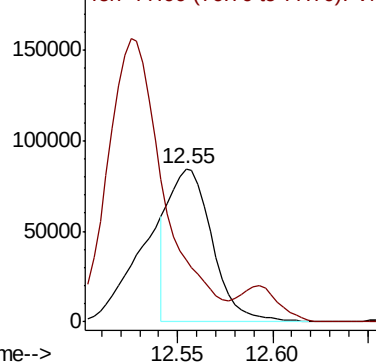
Lab File: VN050620.D

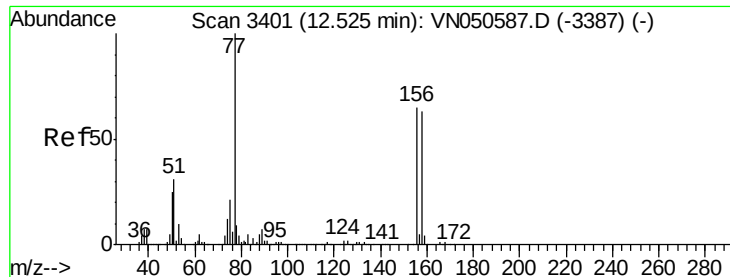
Acq: 14 Aug 2018 23:25

Tgt Ion:	75	Resp:	132696
Ion Ratio	Lower	Upper	
75	100		
77	0.0	0.0	0.0



Abundance Ion 74.90 (74.60 to 75.60): VN050587.D (-3405) (-)





#77

Bromobenzene

Concen: 19.65 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

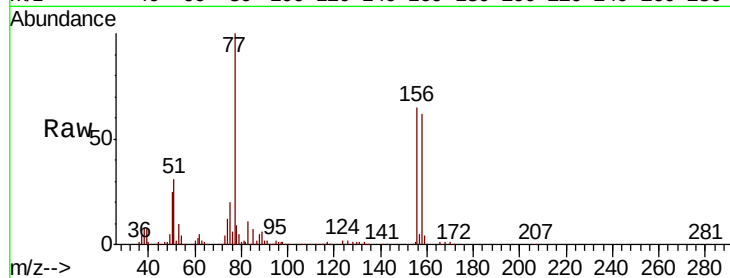
ClientSampleId :

VN0814WBSD02

Tot Ion:	156	Resp:	176852
Ion Ratio	Lower	Upper	
156	100		
77	181.7	89.0	267.1
158	98.2	48.5	145.6

Manual Integrations
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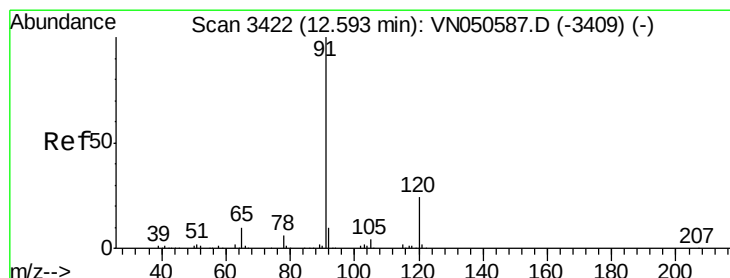
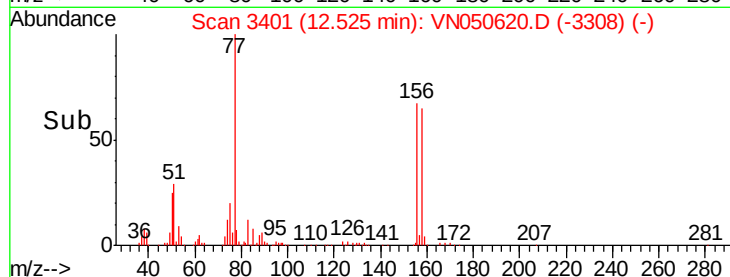
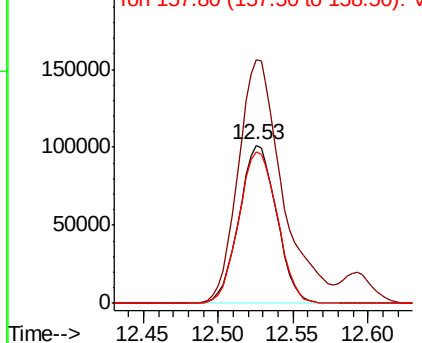
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.71 ug/l

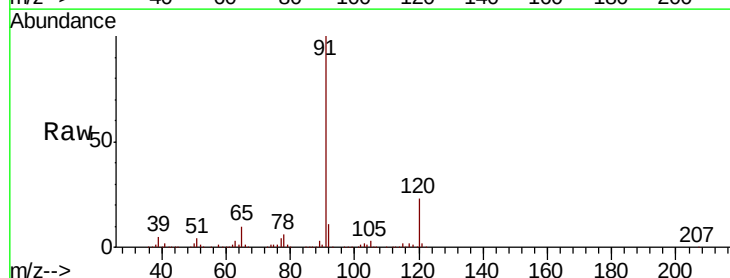
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050620.D

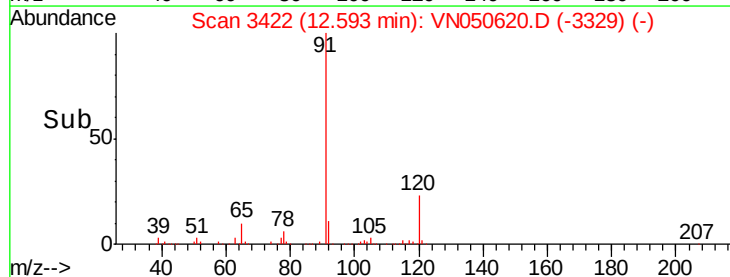
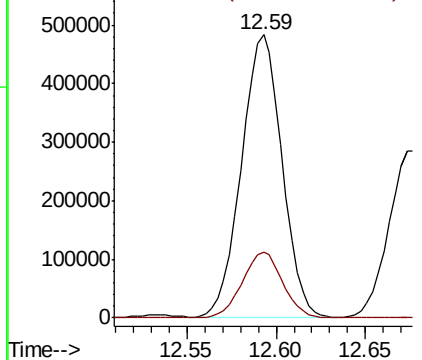
Acq: 14 Aug 2018 23:25

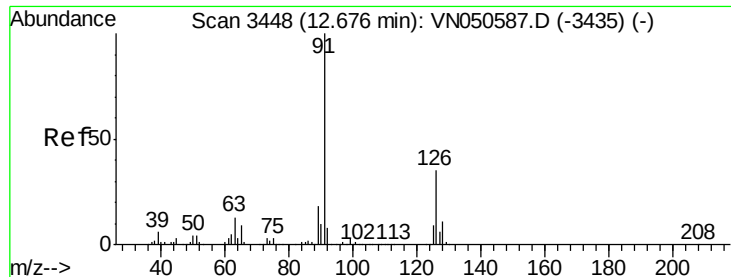
Tgt Ion:	91	Resp:	765565
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.48 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampled :

VN0814WBSD02

Tot Ion: 91 Resp: 472198

Ion Ratio Lower Upper

91 100

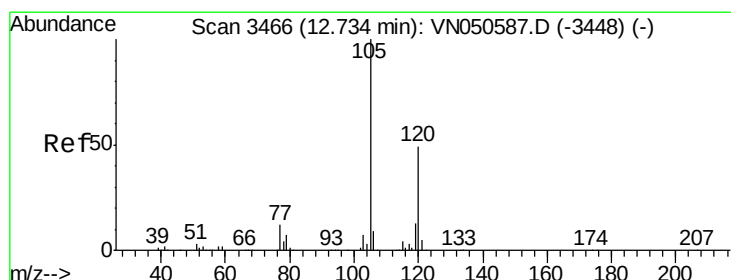
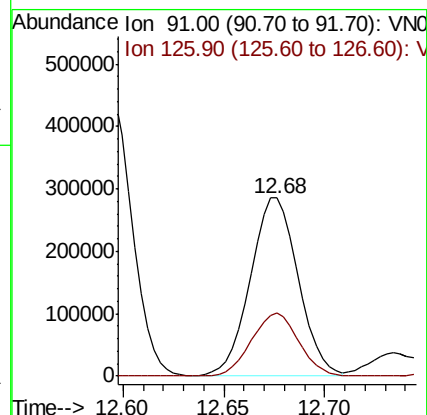
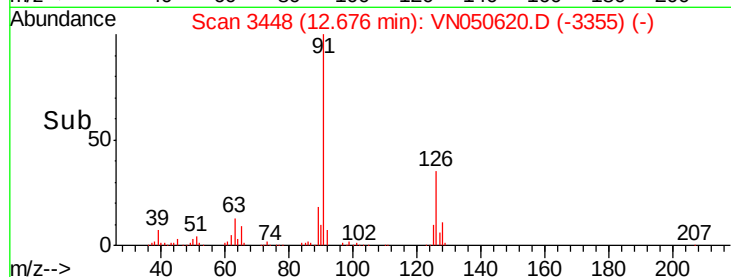
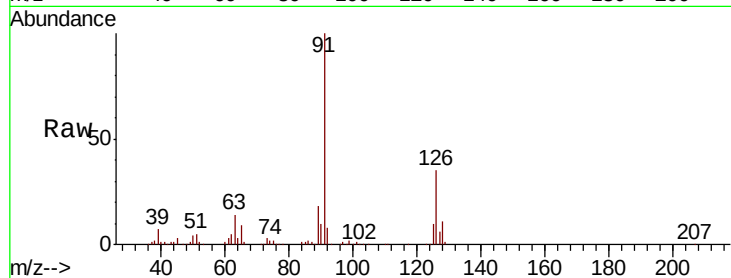
126 35.3 17.6 52.8

Manual Integrations

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#80

1,3,5-Trimethylbenzene

Concen: 21.06 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050620.D

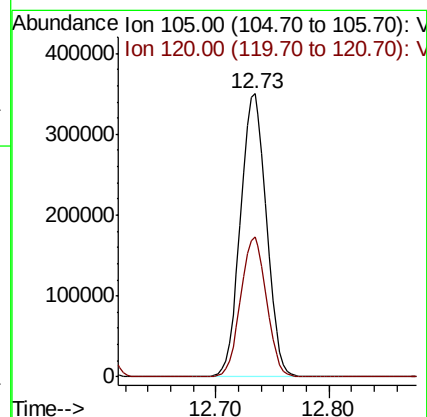
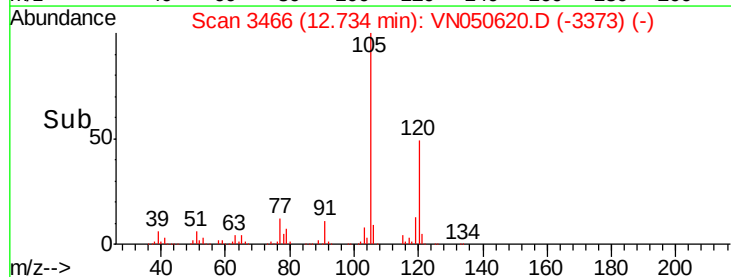
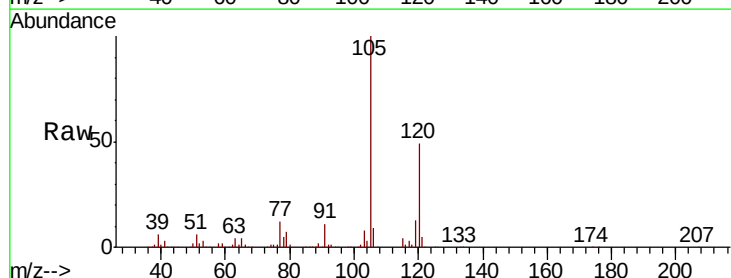
Acq: 14 Aug 2018 23:25

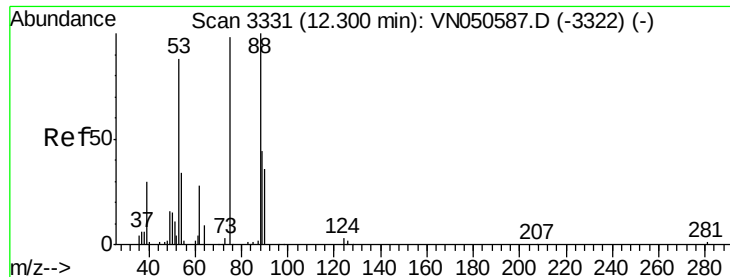
Tgt Ion: 105 Resp: 558973

Ion Ratio Lower Upper

105 100

120 49.3 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 20.09 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion: 75 Resp: 38350

Ion Ratio Lower Upper

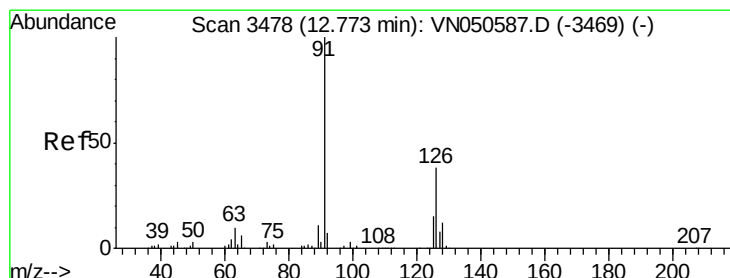
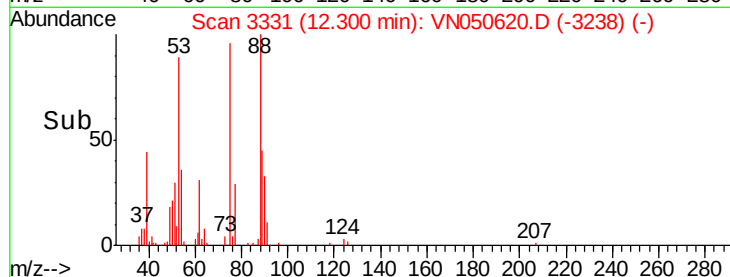
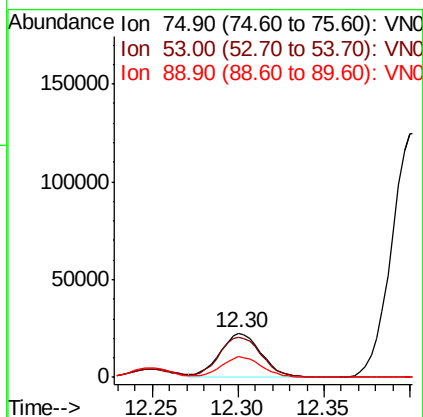
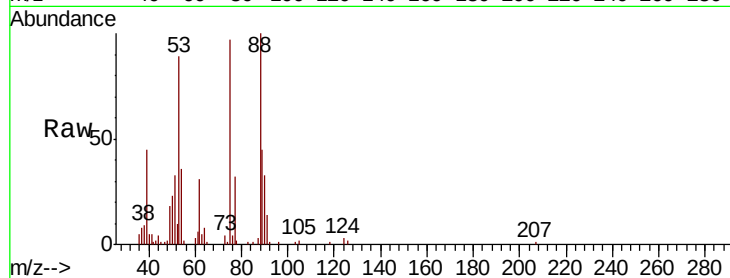
75 100

53 93.4 72.2 108.2

89 45.1 36.3 54.5

Manual Integrations
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#82

4-Chlorotoluene

Concen: 20.69 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050620.D

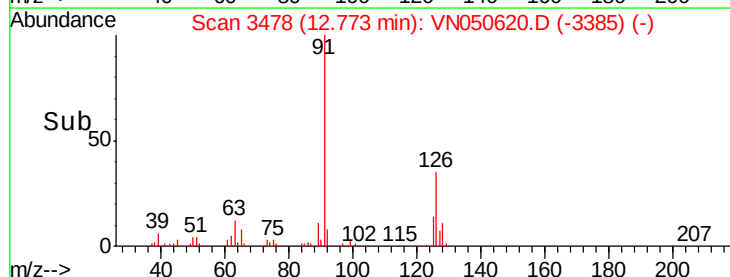
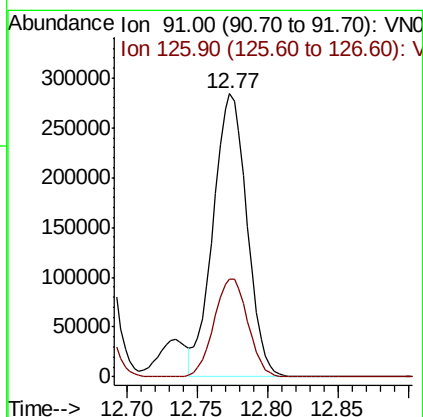
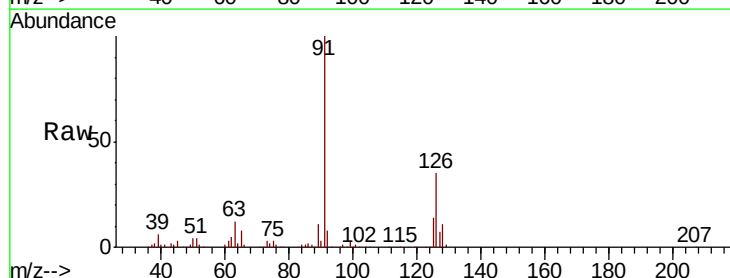
Acq: 14 Aug 2018 23:25

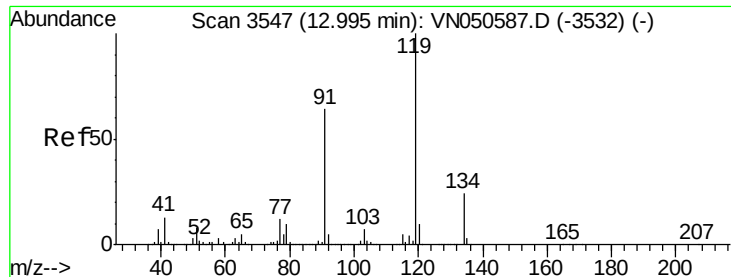
Tgt Ion: 91 Resp: 471384

Ion Ratio Lower Upper

91 100

126 34.8 17.3 52.0





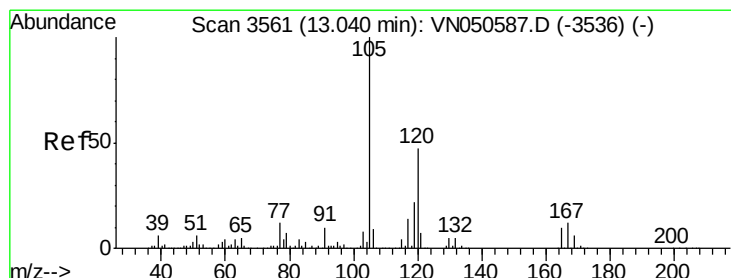
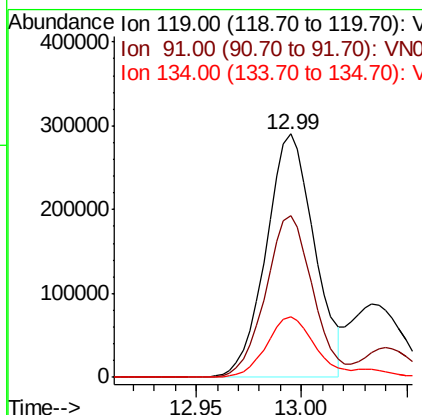
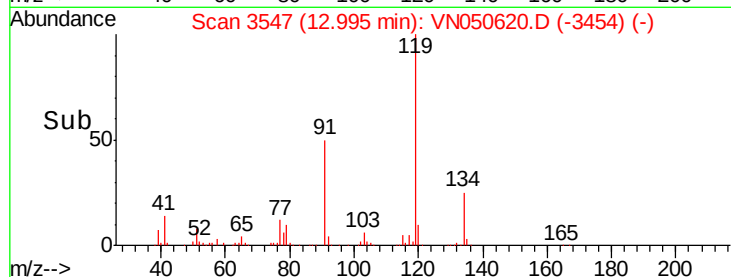
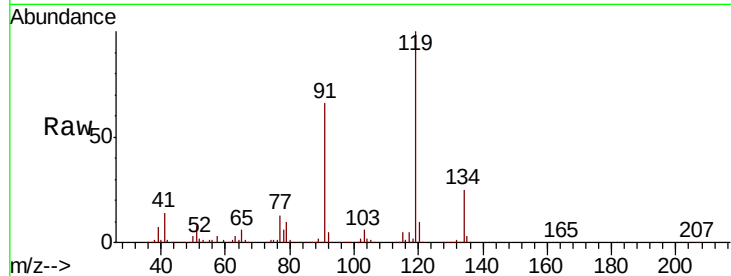
#83
 tert-Butylbenzene
 Concen: 20.05 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	461973		
91	65.4	32.2	96.6	
134	25.1	13.4	40.2	

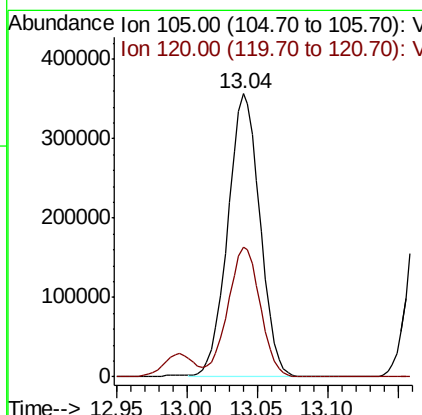
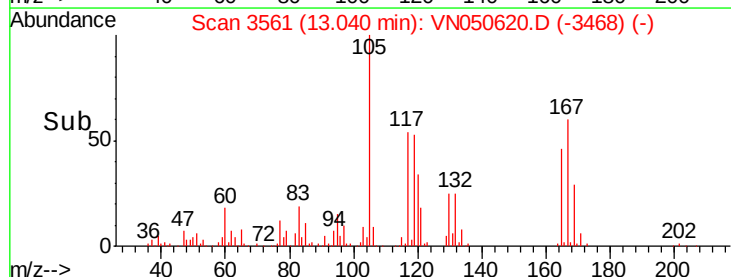
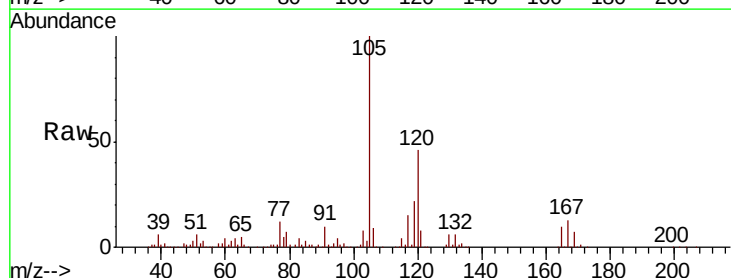
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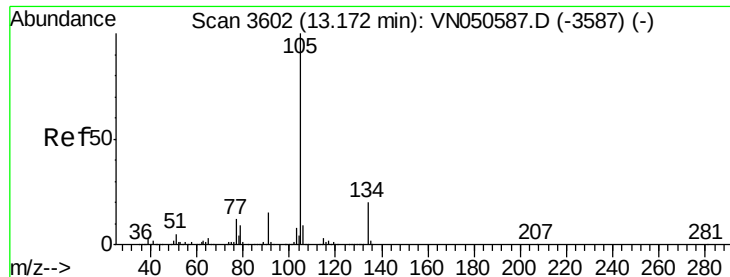
MMDadoda
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#84
 1,2,4-Trimethylbenzene
 Concen: 21.31 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	567917		
120	46.2	23.2	69.5	





#85

sec-Butylbenzene

Concen: 20.74 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

ClientSampleId :

VN0814WBSD02

Tot Ion:105 Resp: 624661

Ion Ratio Lower Upper

105 100

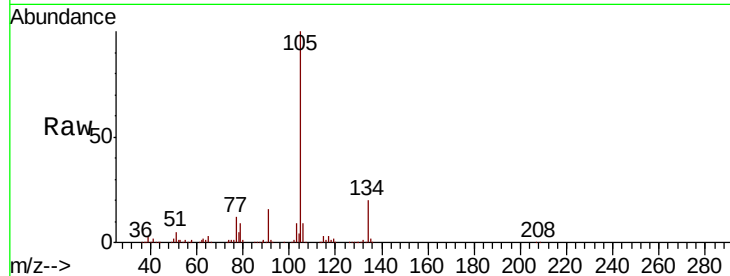
134 20.2 10.1 30.3

Manual Integrations

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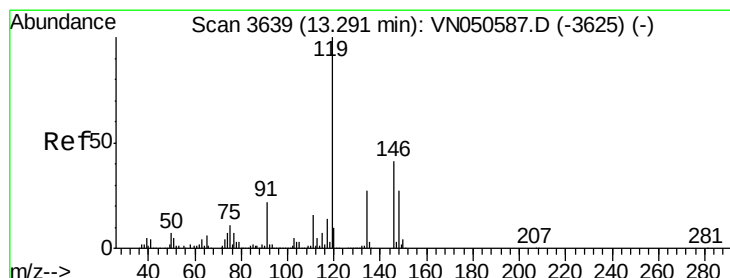
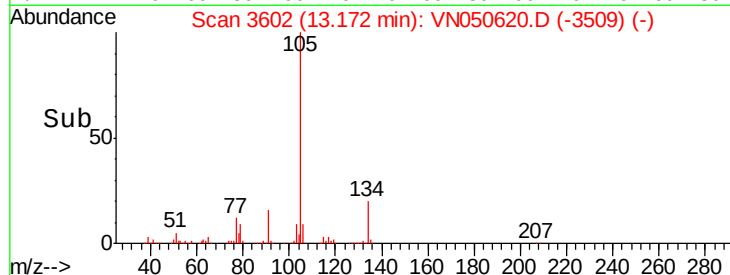
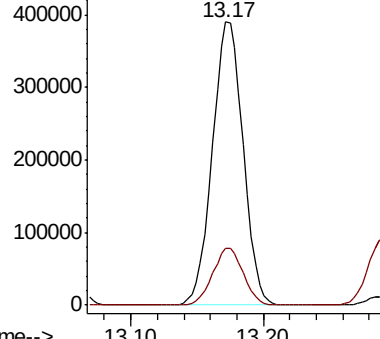
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.01 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

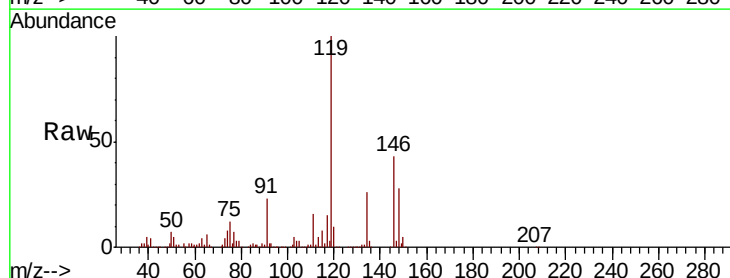
Tgt Ion:119 Resp: 536154

Ion Ratio Lower Upper

119 100

134 26.6 13.5 40.4

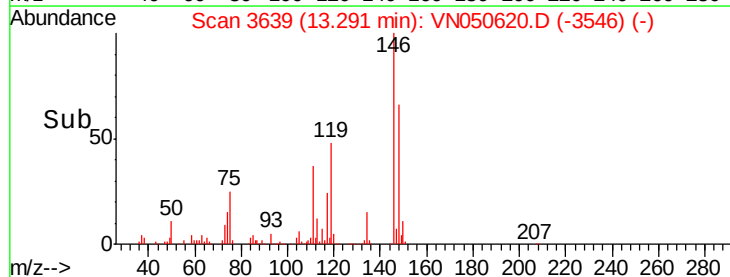
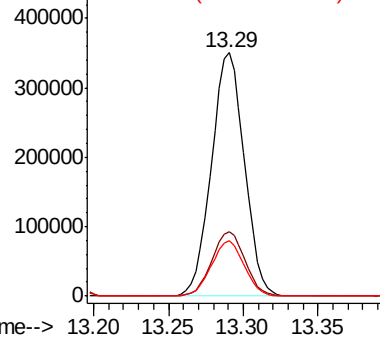
91 22.5 11.2 33.6

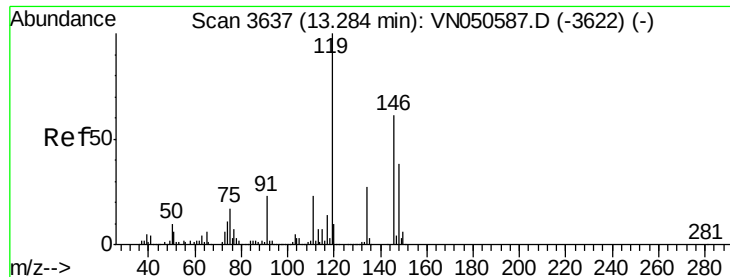


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





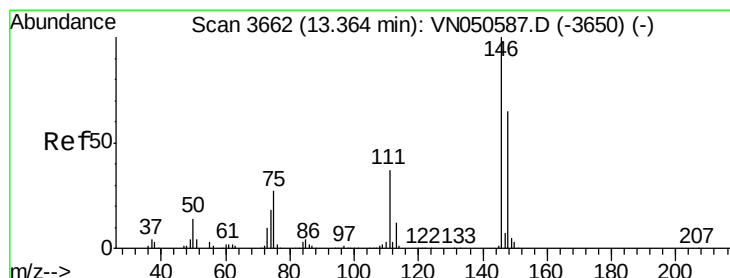
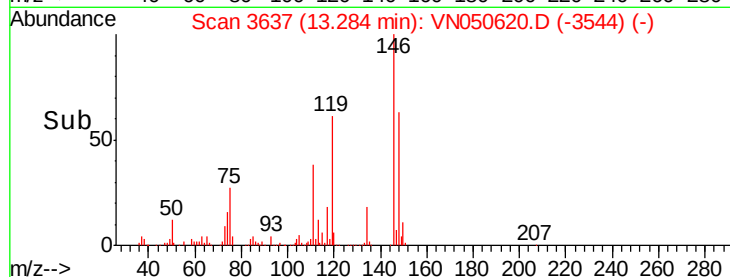
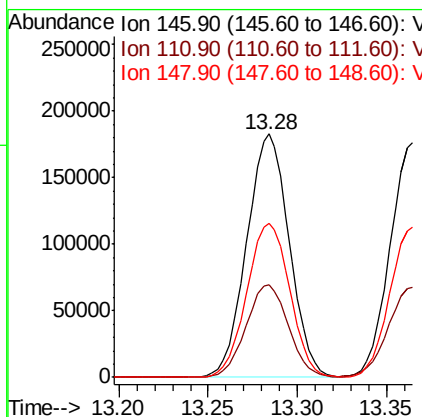
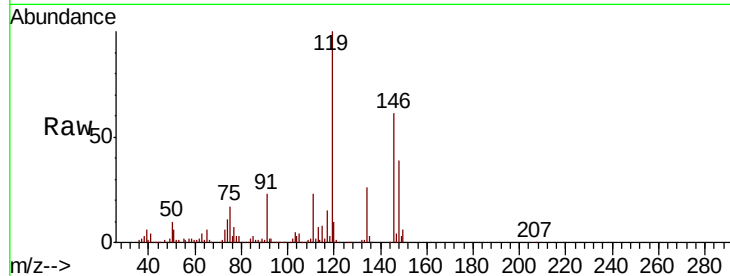
#87
 1,3-Dichlorobenzene
 Concen: 19.89 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
146	100	304744		
111	37.9	19.2	57.6	
148	64.2	31.9	95.7	

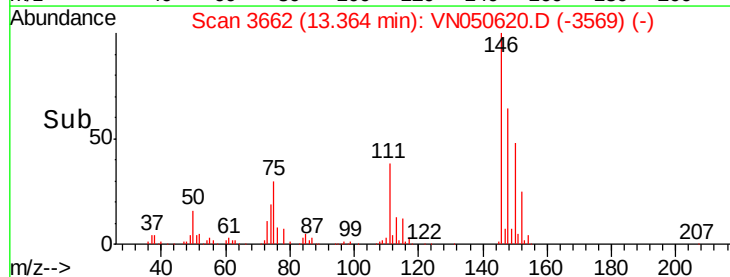
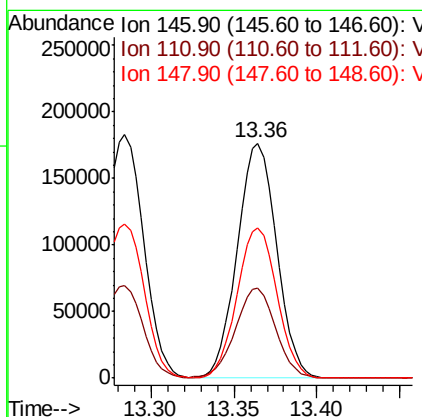
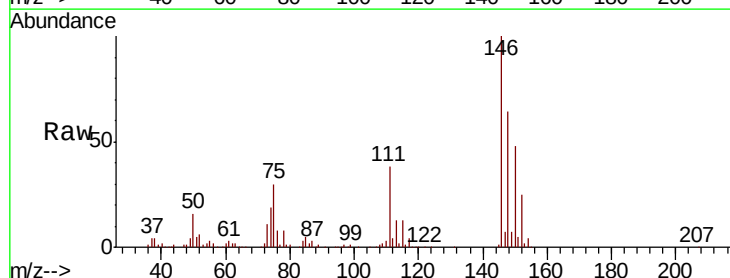
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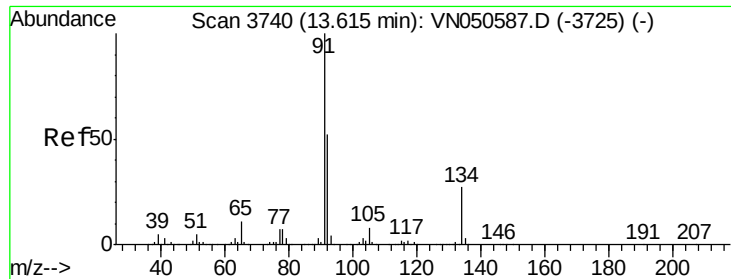
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#88
 1,4-Dichlorobenzene
 Concen: 19.22 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	292368		
111	39.1	18.8	56.4	
148	64.7	32.3	96.8	





#89

n-Butylbenzene

Concen: 19.66 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

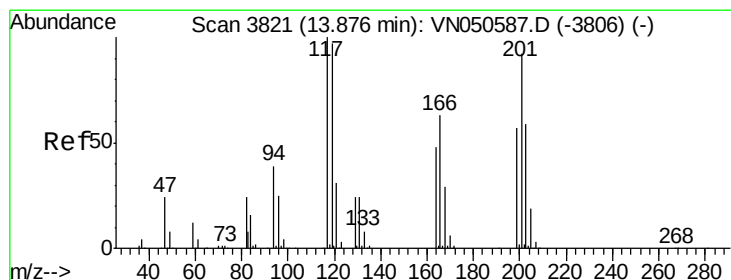
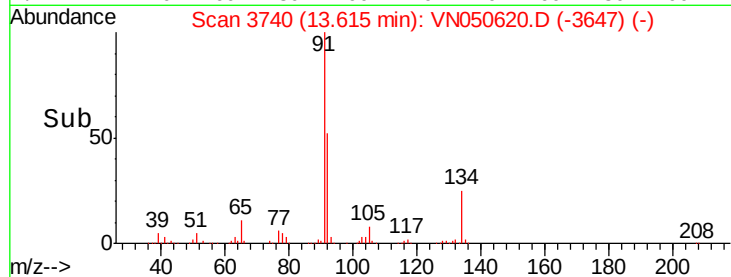
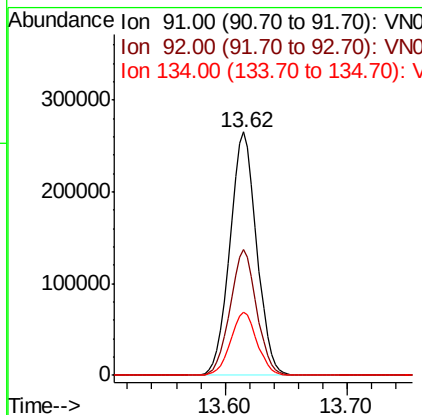
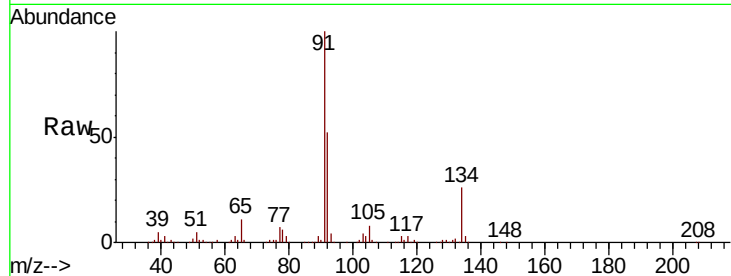
ClientSampled :

VN0814WBSD02

Tot Ion:	91	Resp:	405083
Ion	Ratio	Lower	Upper
91	100		
92	51.1	26.3	78.8
134	25.5	13.3	39.9

Manual Integrations
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#90

Hexachloroethane

Concen: 19.18 ug/l

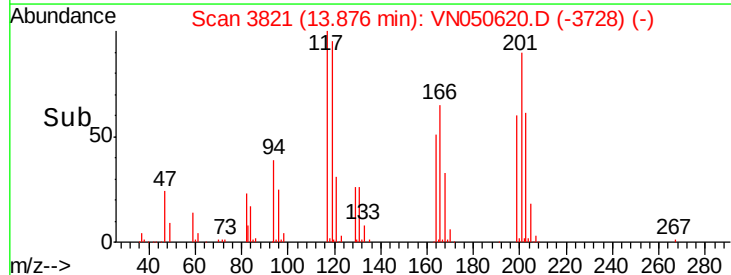
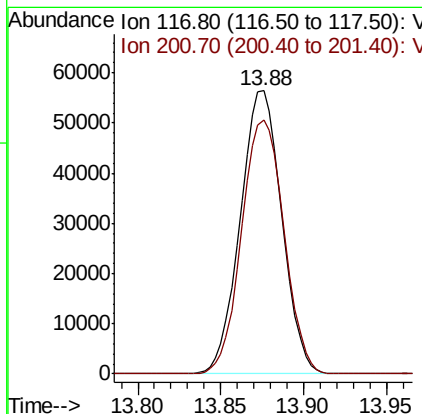
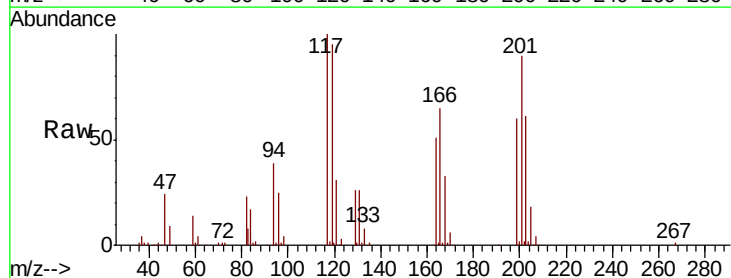
RT: 13.88 min Scan# 3821

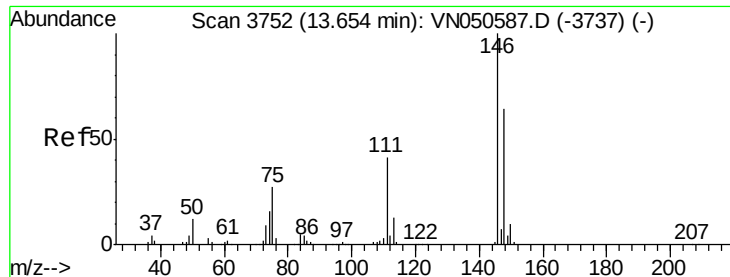
Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion:	117	Resp:	98392
Ion	Ratio	Lower	Upper
117	100		
201	91.6	45.5	136.5





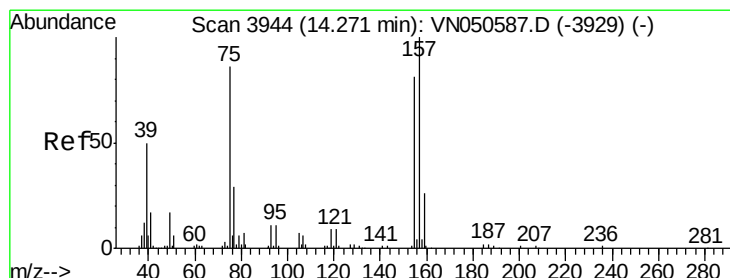
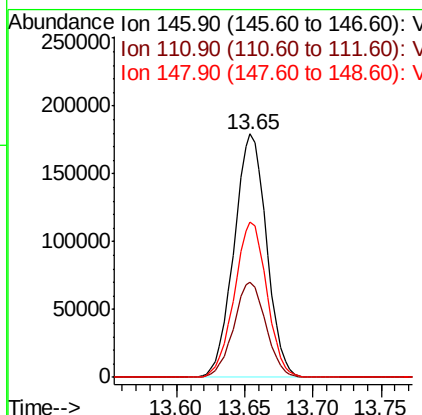
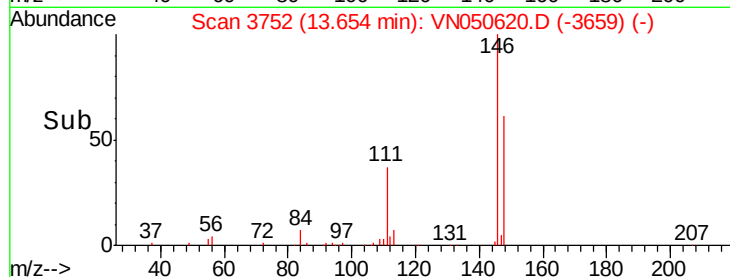
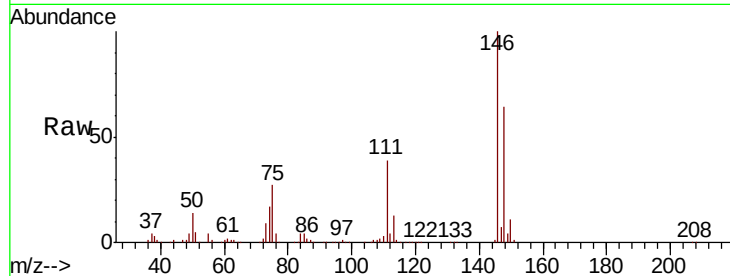
#91
 1,2-Dichlorobenzene
 Concen: 19.85 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.7	19.8	59.4
148	63.6	32.3	96.8

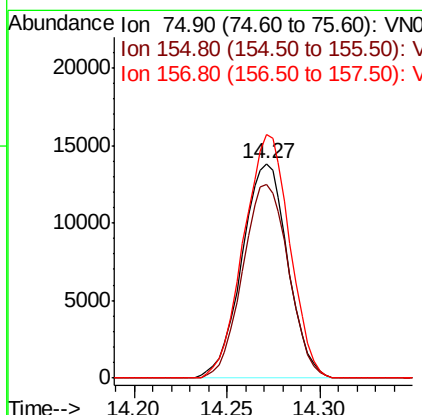
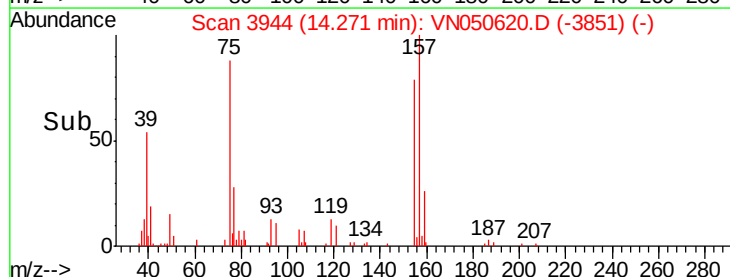
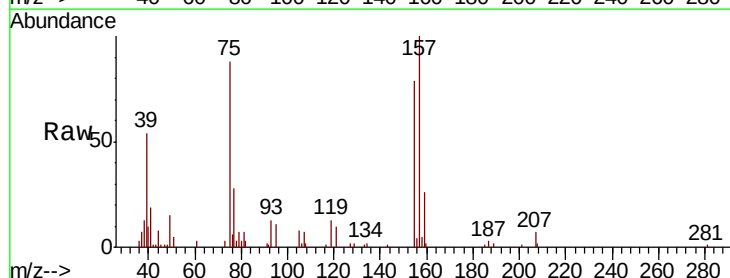
Manual Integrations
 APPROVED

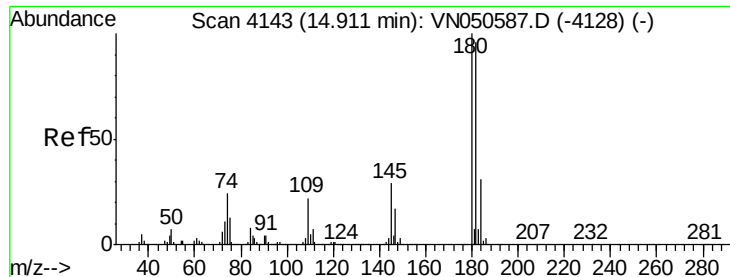
MMDadoda
 8/15/2018 3:32:25 PM



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.15 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Lower	Upper
75	100		
155	90.2	46.6	139.8
157	113.7	58.1	174.2





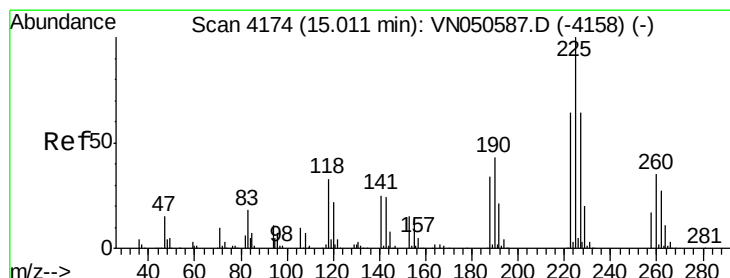
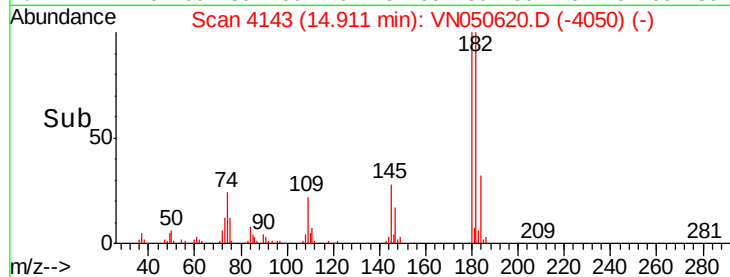
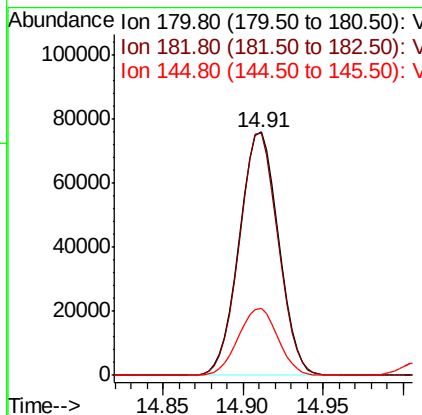
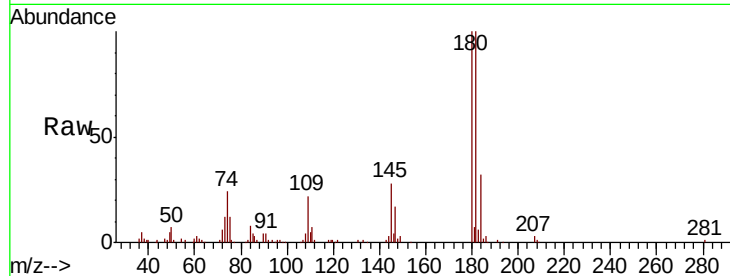
#93
 1,2,4-Trichlorobenzene
 Concen: 18.35 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0814WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
180	100	127077		
182	98.0	47.9	143.7	
145	27.7	14.4	43.4	

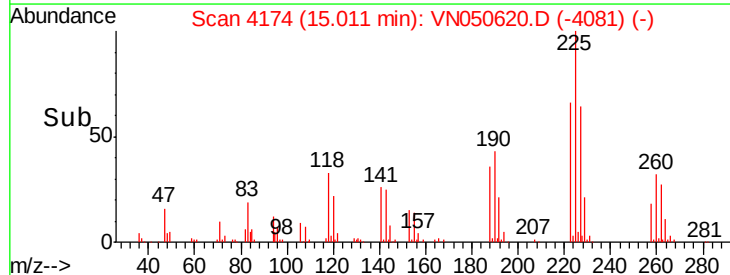
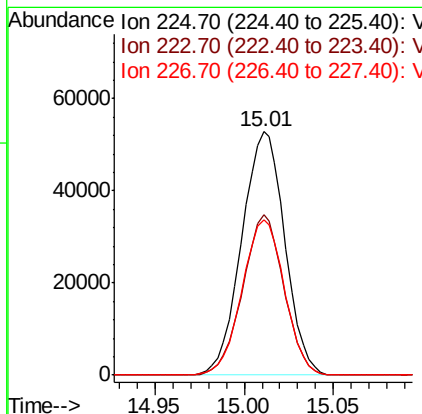
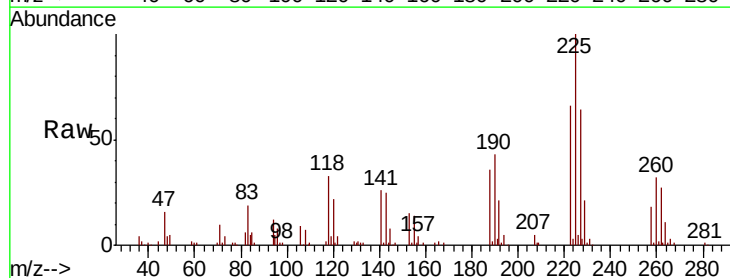
Manual Integrations
 APPROVED

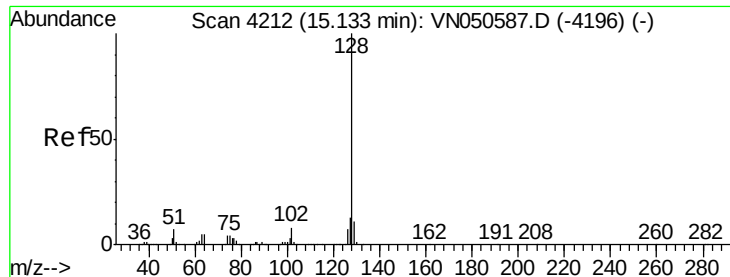
MMDadoda
 8/15/2018 3:32:25 PM



#94
 Hexachlorobutadiene
 Concen: 19.41 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050620.D
 Acq: 14 Aug 2018 23:25

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	88991		
223	63.2	32.1	96.3	
227	62.9	32.0	96.2	





#95

Naphthalene

Concen: 18.46 ug/l

RT: 15.13 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Instrument :

MSVOA_N

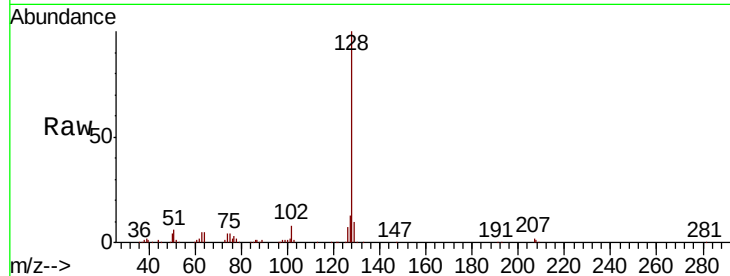
ClientSampleId :

VN0814WBSD02

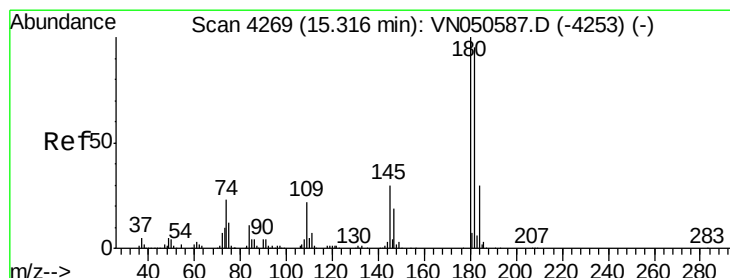
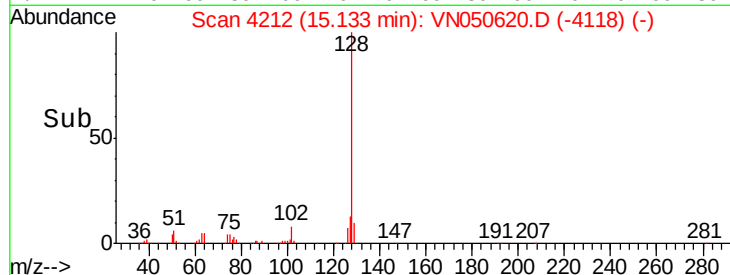
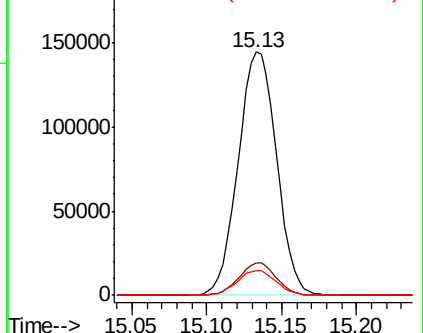
Tot Ion:	128	Resp:	258279
Ion Ratio	Lower	Upper	
128	100		
127	12.9	10.3	15.5
129	10.5	8.5	12.7

Manual Integrations
APPROVED

MMDadoda
8/15/2018 3:32:25 PM



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 18.98 ug/l

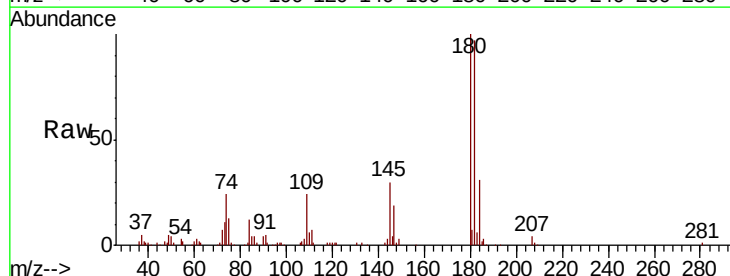
RT: 15.31 min Scan# 4268

Delta R.T. -0.00 min

Lab File: VN050620.D

Acq: 14 Aug 2018 23:25

Tgt Ion:	180	Resp:	127077
Ion Ratio	Lower	Upper	
180	100		
182	96.9	47.3	141.8
145	30.0	14.6	44.0



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

