

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050643.D
 Acq On : 15 Aug 2018 10:17
 Operator : MD\SY
 Sample : VN0815WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:32 PM

Quant Time: Aug 16 02:02:30 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	643532	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	921356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	842454	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	408331	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	409402	50.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.94%	
35) Dibromofluoromethane	7.59	113	378095	51.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.80%	
50) Toluene-d8	10.09	98	1437739	51.93	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.86%	
62) 4-Bromofluorobenzene	12.40	95	452189	49.44	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.88%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	142611	19.66	ug/l	99
3) Chloromethane	2.06	50	185622	20.70	ug/l	97
4) Vinyl Chloride	2.18	62	187816	19.49	ug/l	98
5) Bromomethane	2.56	94	109337	19.85	ug/l	98
6) Chloroethane	2.70	64	115929	20.72	ug/l	98
7) Trichlorofluoromethane	3.01	101	245464	19.41	ug/l	100
8) Diethyl Ether	3.41	74	87272	20.75	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.76	101	150623	19.70	ug/l	98
10) Methyl Iodide	3.95	142	111610	24.63	ug/l	99
11) Tert butyl alcohol	4.79	59	48671	109.88	ug/l #	88
12) 1,1-Dichloroethene	3.74	96	137227	19.65	ug/l	98
13) Acrolein	3.61	56	14601	79.69	ug/l	99
14) Allyl chloride	4.33	41	219225	20.18	ug/l	99
15) Acrylonitrile	4.99	53	258592	106.30	ug/l	99
16) Acetone	3.82	43	235253	115.37	ug/l	100
17) Carbon Disulfide	4.05	76	426390	19.40	ug/l	100
18) Methyl Acetate	4.33	43	124598	21.30	ug/l	99
19) Methyl tert-butyl Ether	5.05	73	376194	21.17	ug/l	99
20) Methylene Chloride	4.55	84	167971	21.05	ug/l	98
21) trans-1,2-Dichloroethene	5.04	96	150851	19.93	ug/l	96
22) Diisopropyl ether	5.95	45	486404	21.84	ug/l	96
23) Vinyl Acetate	5.90	43	1571888	107.90	ug/l	99
24) 1,1-Dichloroethane	5.85	63	285002	19.78	ug/l	99
25) 2-Butanone	6.84	43	359096	107.97	ug/l	100
26) 2,2-Dichloropropane	6.82	77	229496	23.79	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	170304	20.20	ug/l	97
28) Bromochloromethane	7.19	49	130148	19.85	ug/l	99
29) Tetrahydrofuran	7.22	42	187727	108.10	ug/l	100
30) Chloroform	7.37	83	289672	19.84	ug/l	99
31) Cyclohexane	7.66	56	253904	20.44	ug/l	95
32) 1,1,1-Trichloroethane	7.57	97	240144	19.54	ug/l	99
36) 1,1-Dichloropropene	7.80	75	216787	21.14	ug/l	100
37) Ethyl Acetate	6.93	43	128910	22.24	ug/l	99
38) Carbon Tetrachloride	7.77	117	216911	20.39	ug/l	100

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Manual Integrations
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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	223970	21.09	ug/l	98
40) Benzene	8.04	78	670262	21.48	ug/l	98
41) Methacrylonitrile	7.18	41	63385	20.22	ug/l	93
42) 1,2-Dichloroethane	8.13	62	203629	21.29	ug/l	99
43) Isopropyl Acetate	8.17	43	221288	20.94	ug/l #	85
44) Trichloroethene	8.84	130	171608	20.53	ug/l	98
45) 1,2-Dichloropropane	9.12	63	176046	21.19	ug/l	100
46) Dibromomethane	9.21	93	104877	21.38	ug/l	97
47) Bromodichloromethane	9.40	83	219042	20.89	ug/l	99
48) Methyl methacrylate	9.20	41	114806	21.59	ug/l	98
49) 1,4-Dioxane	9.20	88	30932	441.66	ug/l	98
51) 4-Methyl-2-Pentanone	9.99	43	807123	112.96	ug/l	100
52) Toluene	10.16	92	411152	22.07	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	212309	21.74	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	249811	22.30	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	151326	21.74	ug/l	98
56) Ethyl methacrylate	10.43	69	173935	20.75	ug/l	99
57) 1,3-Dichloropropane	10.71	76	248788	21.80	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.70	63	376897	95.35	ug/l	100
59) 2-Hexanone	10.75	43	527224	114.32	ug/l	100
60) Dibromochloromethane	10.90	129	164338	21.40	ug/l	100
61) 1,2-Dibromoethane	11.01	107	145146	21.90	ug/l	99
64) Tetrachloroethene	10.63	164	162092	20.72	ug/l	99
65) Chlorobenzene	11.44	112	440192	21.00	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	167986	21.37	ug/l	99
67) Ethyl Benzene	11.51	91	729092	21.54	ug/l	100
68) m/p-Xylenes	11.62	106	574357	44.36	ug/l	100
69) o-Xylene	11.95	106	272270	22.05	ug/l	99
70) Styrene	11.96	104	440502	20.63	ug/l	99
71) Bromoform	12.13	173	111704	21.43	ug/l #	99
73) Isopropylbenzene	12.25	105	709623	22.24	ug/l	100
74) N-amyl acetate	12.07	43	180953	21.80	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	184596	23.70	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	144643m	21.34	ug/l	
77) Bromobenzene	12.53	156	185372	21.40	ug/l	98
78) n-propylbenzene	12.59	91	810145	22.77	ug/l	99
79) 2-Chlorotoluene	12.68	91	494878	22.31	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	588222	23.03	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	42385	23.08	ug/l	96
82) 4-Chlorotoluene	12.77	91	495527	22.61	ug/l	100
83) tert-Butylbenzene	12.99	119	487769	22.00	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	594397	23.18	ug/l	100
85) sec-Butylbenzene	13.17	105	655911	22.64	ug/l	99
86) p-Isopropyltoluene	13.29	119	559576	22.79	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	317152	21.51	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	308479	21.08	ug/l	99
89) n-Butylbenzene	13.62	91	423810	21.38	ug/l	99
90) Hexachloroethane	13.88	117	102736	20.81	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	301701	20.97	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24787	21.78	ug/l	96

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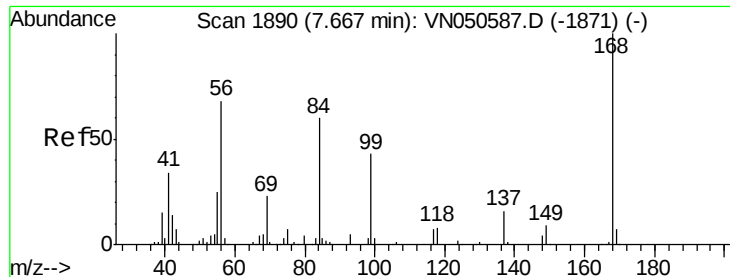
Manual Integrations
APPROVED

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	132973	19.72	ug/l	99
94) Hexachlorobutadiene	15.01	225	93481	21.19	ug/l	99
95) Naphthalene	15.13	128	255059	18.85	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	129891	20.04	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion:168 Resp: 643532

Ion Ratio Lower Upper

168 100

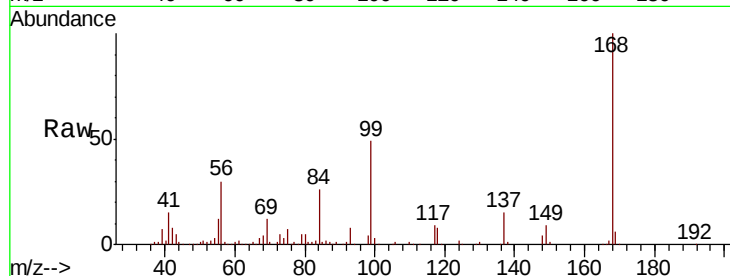
99 49.3 40.8 61.2

Manual Integrations

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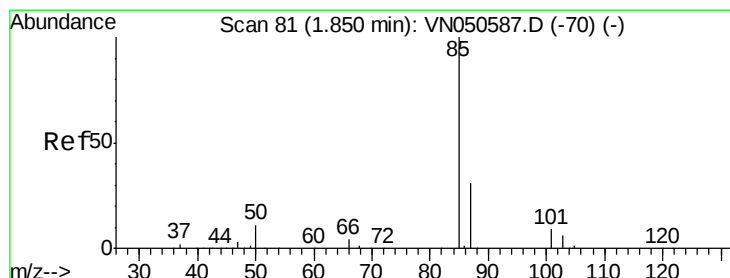
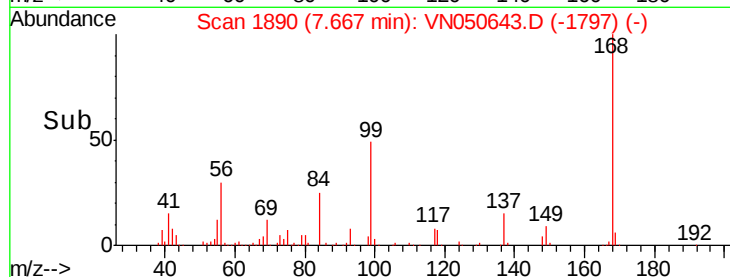
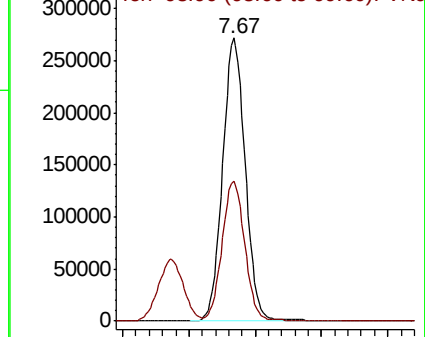
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Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 19.66 ug/l

RT: 1.85 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN050643.D

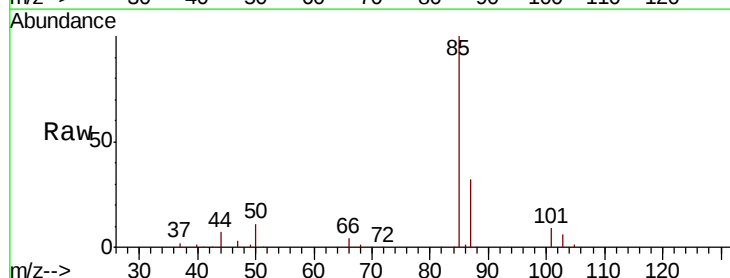
Acq: 15 Aug 2018 10:17

Tgt Ion: 85 Resp: 142611

Ion Ratio Lower Upper

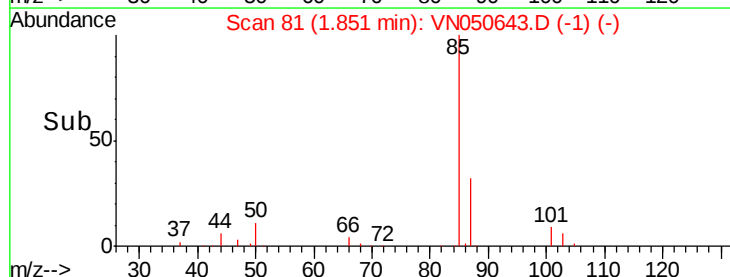
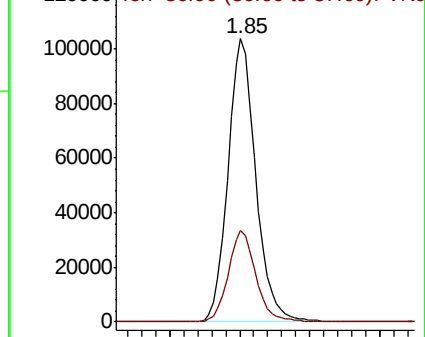
85 100

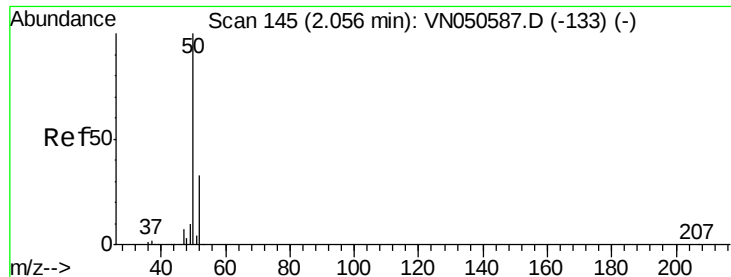
87 32.3 15.8 47.3



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 20.70 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 50 Resp: 185622

Ion Ratio Lower Upper

50 100

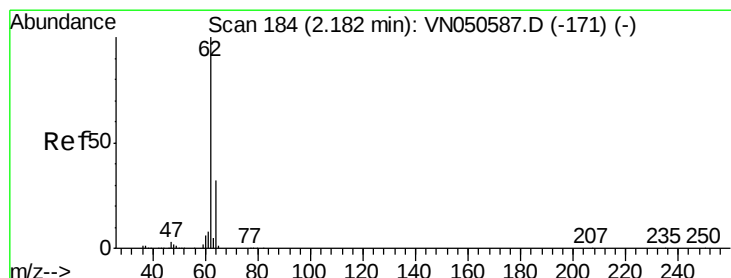
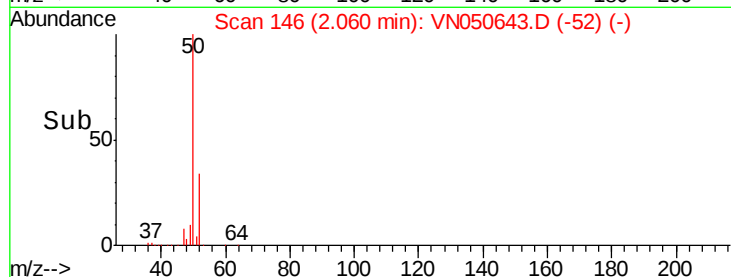
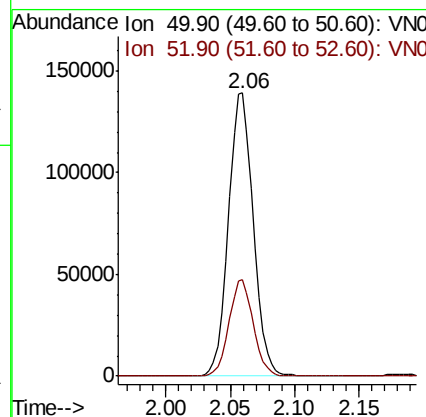
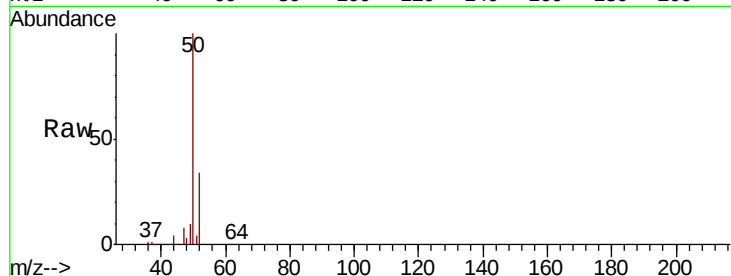
52 34.1 26.0 39.0

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.49 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050643.D

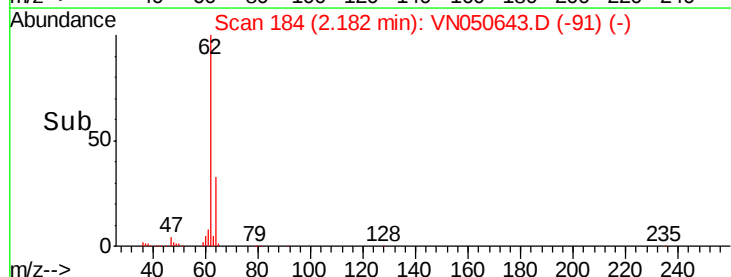
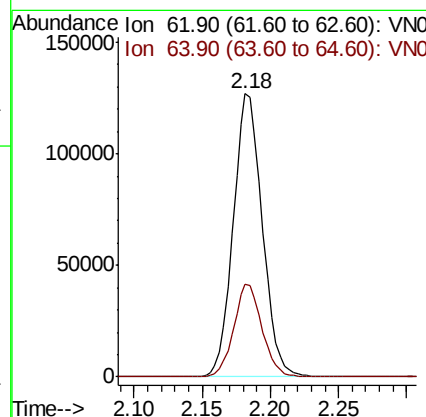
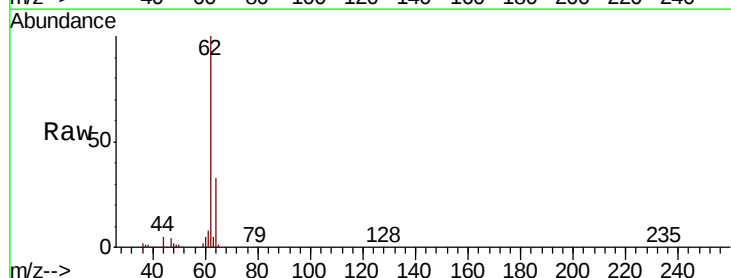
Acq: 15 Aug 2018 10:17

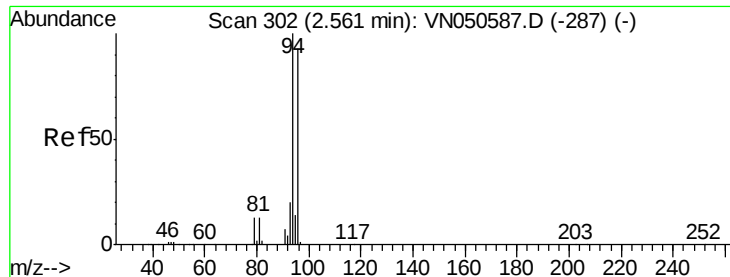
Tgt Ion: 62 Resp: 187816

Ion Ratio Lower Upper

62 100

64 32.6 25.2 37.8





#5

Bromomethane

Concen: 19.85 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

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ClientSampleId :

VN0815WBSD01

Tot Ion: 94 Resp: 109337

Ion Ratio Lower Upper

94 100

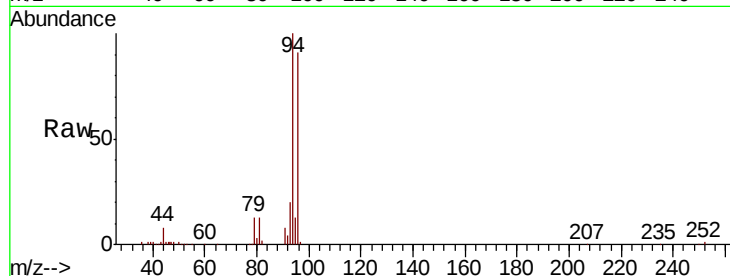
96 91.0 74.0 111.0

Manual Integrations

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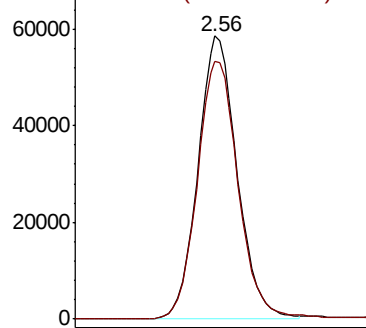
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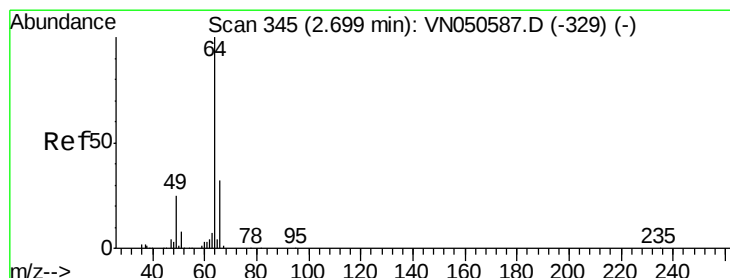
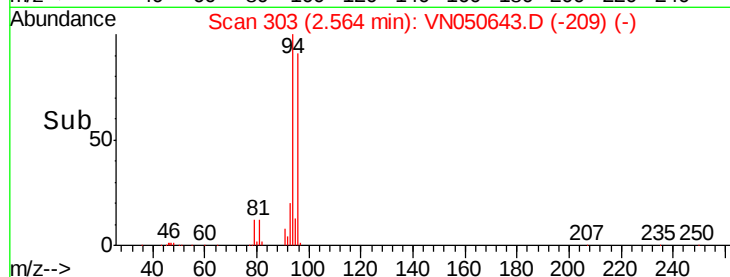


Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



Time-->



#6

Chloroethane

Concen: 20.72 ug/l

RT: 2.70 min Scan# 345

Delta R.T. 0.00 min

Lab File: VN050643.D

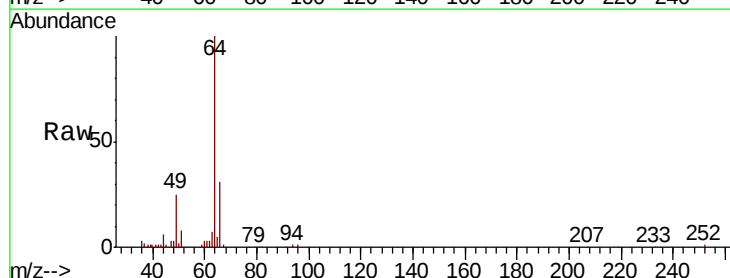
Acq: 15 Aug 2018 10:17

Tgt Ion: 64 Resp: 115929

Ion Ratio Lower Upper

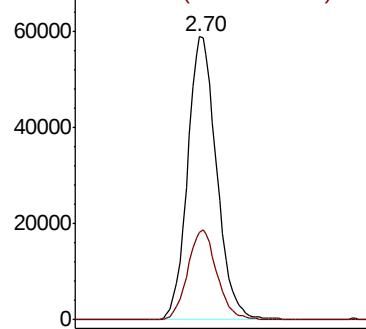
64 100

66 31.1 25.7 38.5

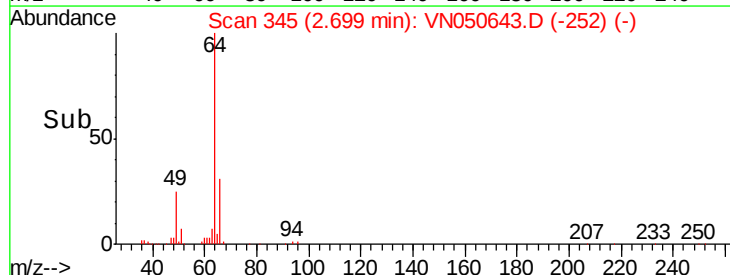


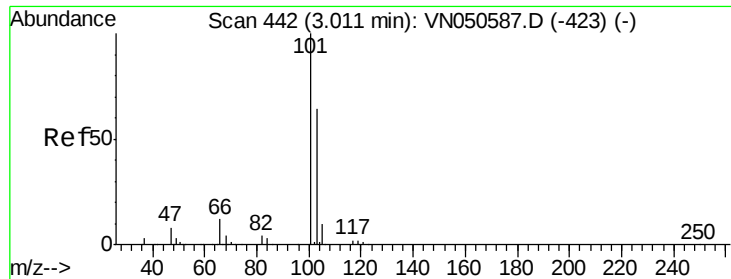
Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



Time-->





#7

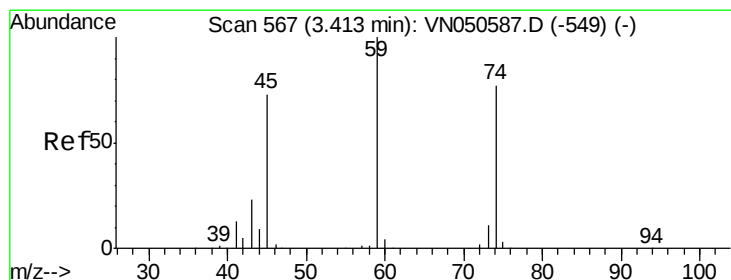
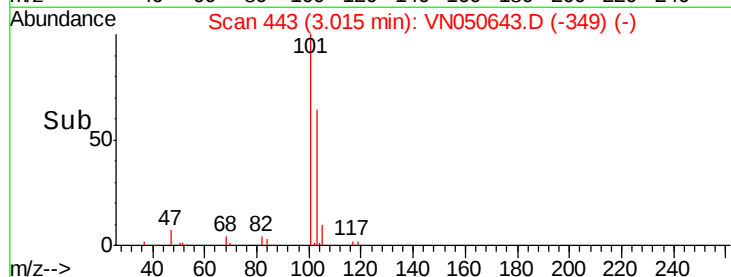
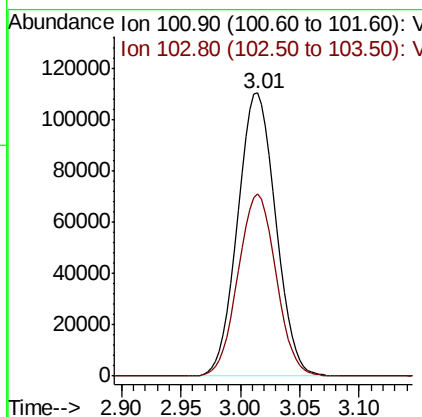
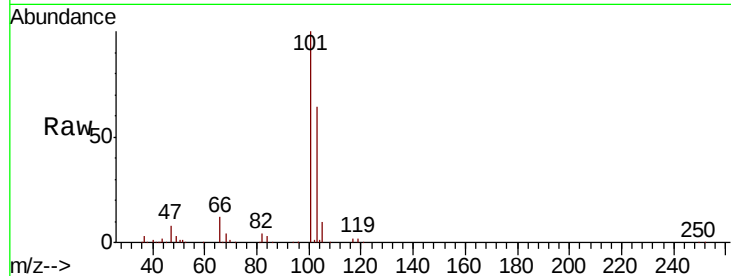
Trichlorofluoromethane
 Concen: 19.41 ug/l
 RT: 3.01 min Scan# 443
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
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Tot Ion	Ion	Ratio	Resp	Lower	Upper
101	100		245464		
103	64.3	51.4	77.0		

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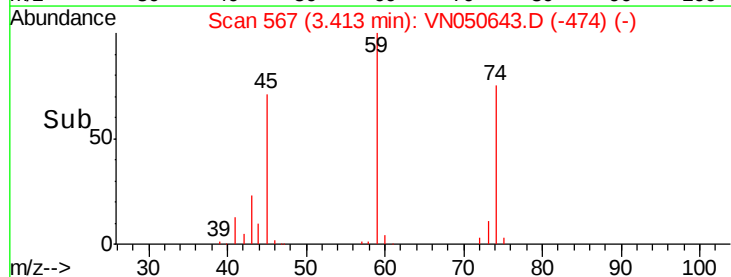
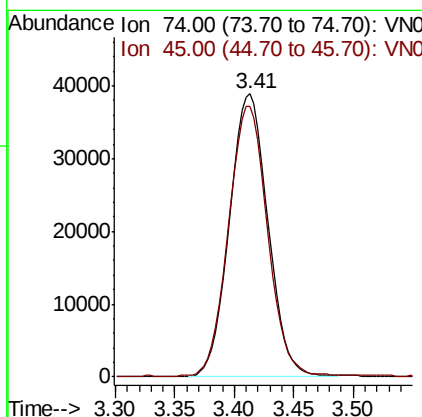
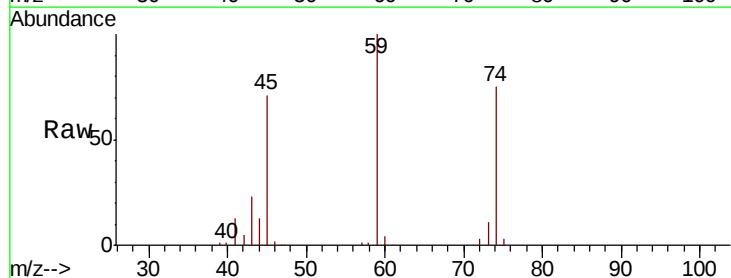
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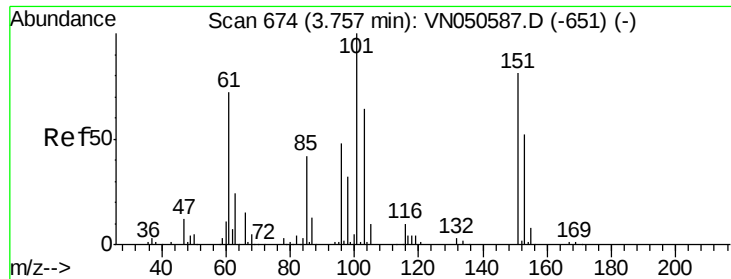


#8

Diethyl Ether
 Concen: 20.75 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
74	100		87272		
45	97.9	48.0	144.2		





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.70 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

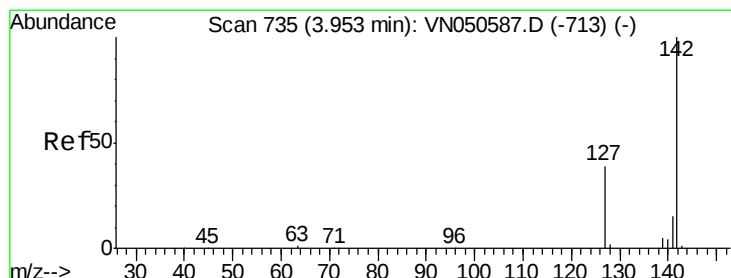
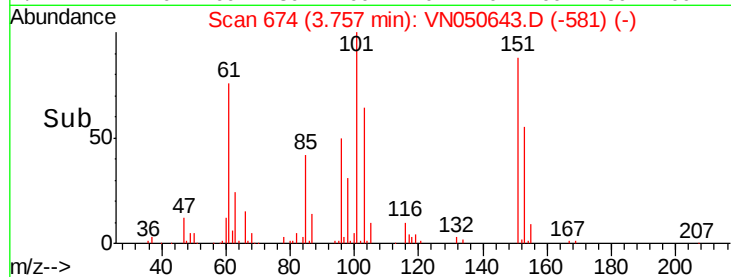
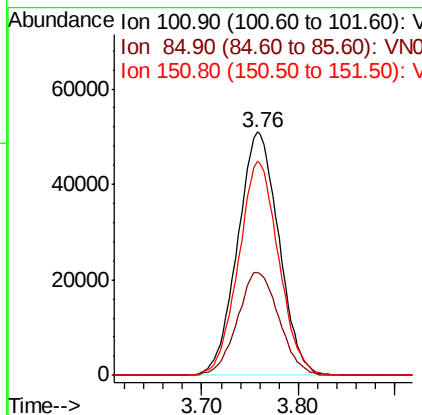
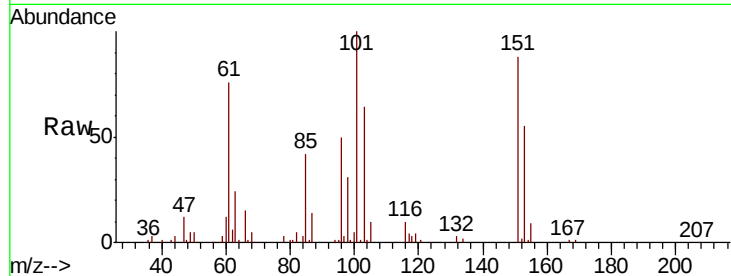
ClientSampleId :

VN0815WBSD01

Tot Ion:	101	Resp:	150623
Ion Ratio	Lower	Upper	
101	100		
85	42.6	33.4	50.0
151	85.8	66.6	100.0

Manual Integrations
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#10

Methyl Iodide

Concen: 24.63 ug/l

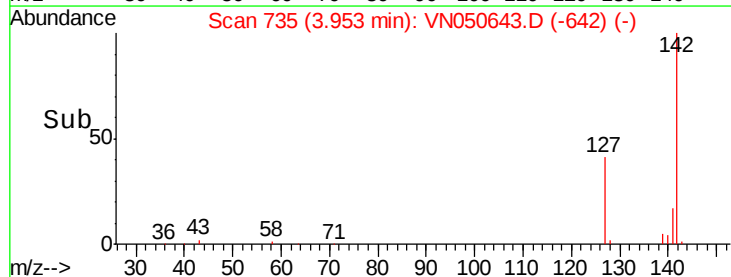
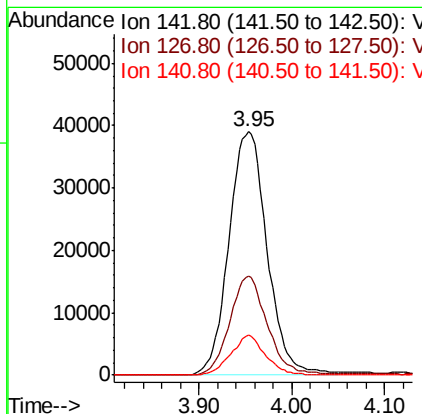
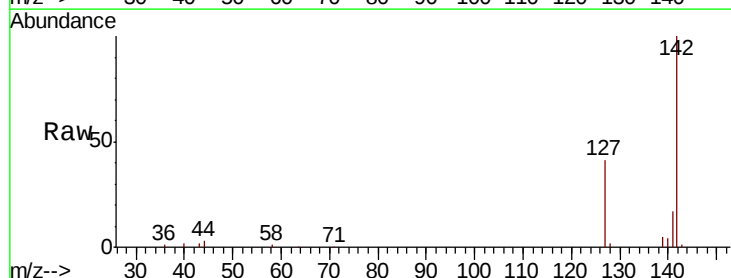
RT: 3.95 min Scan# 735

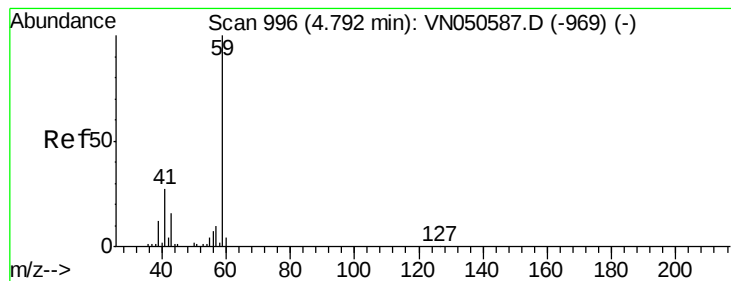
Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion:	142	Resp:	111610
Ion Ratio	Lower	Upper	
142	100		
127	40.0	32.6	49.0
141	14.8	11.5	17.3





#11

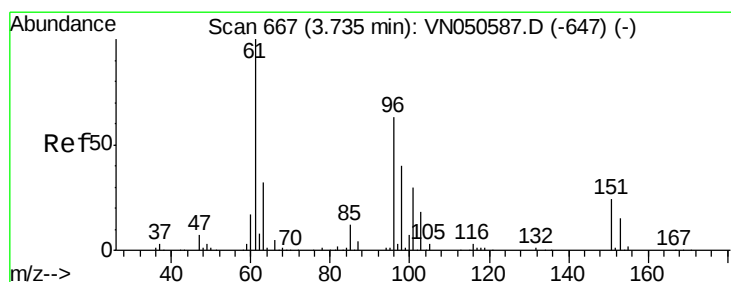
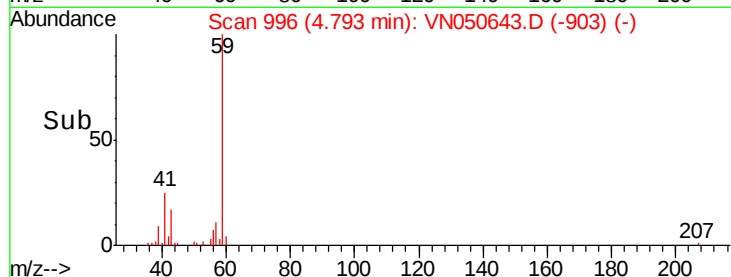
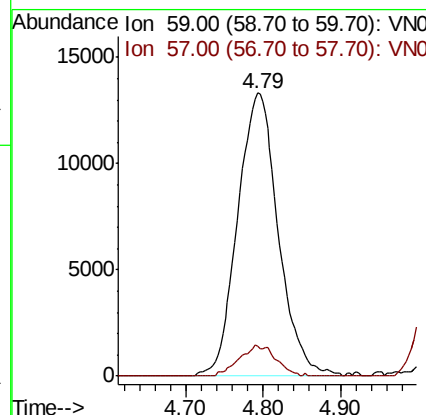
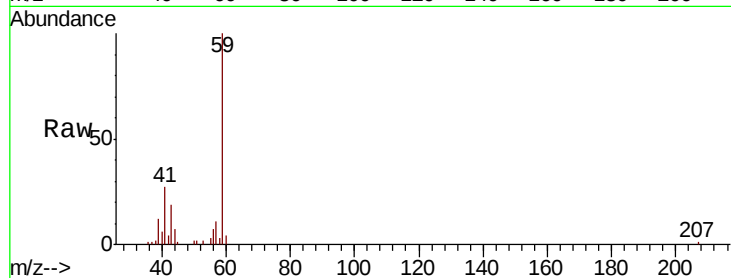
Tert butyl alcohol
Concen: 109.88 ug/l
RT: 4.79 min Scan# 996
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
59	100		
57	6.1	8.4	12.6#

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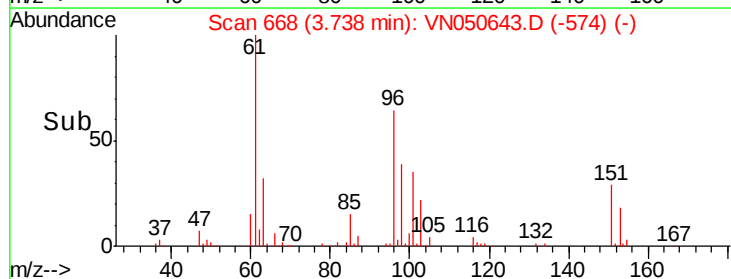
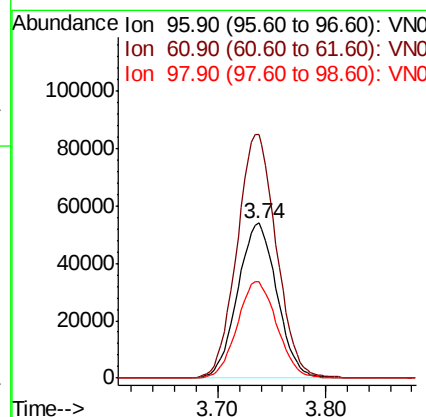
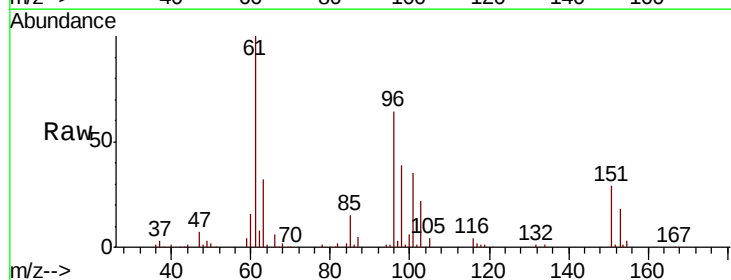
MMDadoda
8/16/2018 1:18:32 PM

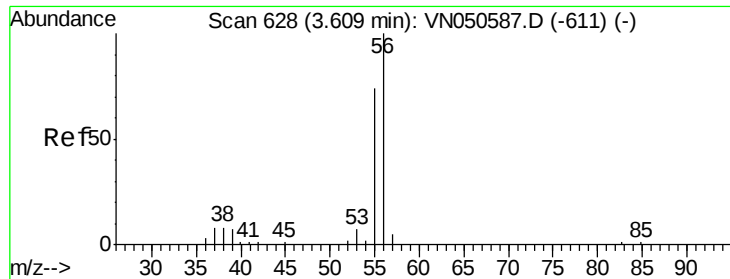


#12

1,1-Dichloroethene
Concen: 19.65 ug/l
RT: 3.74 min Scan# 668
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
96	100		
61	157.0	126.9	190.3
98	62.1	51.1	76.7





#13

Acrolein

Concen: 79.69 ug/l

RT: 3.61 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 56 Resp: 14601

Ion Ratio Lower Upper

56 100

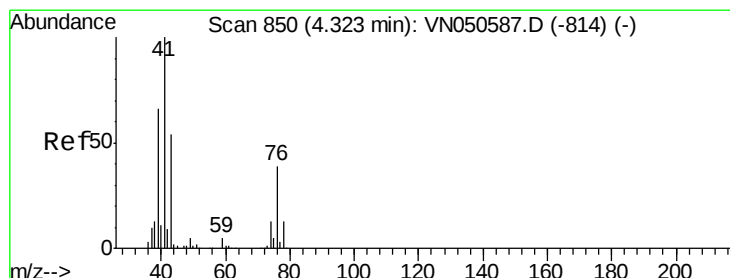
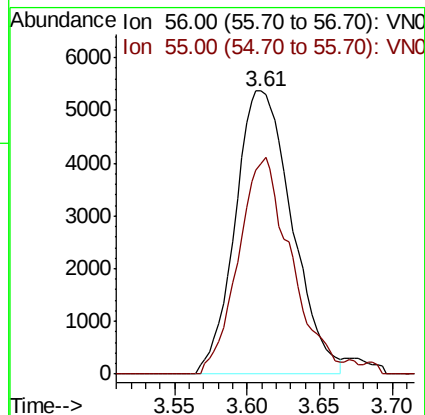
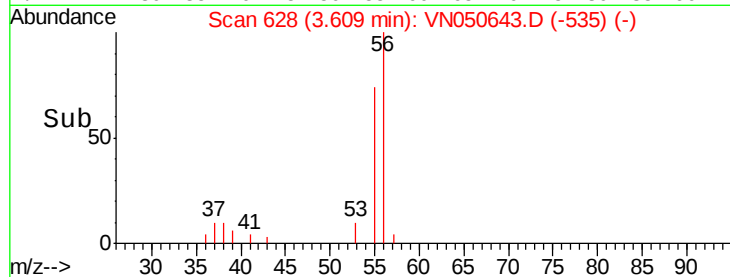
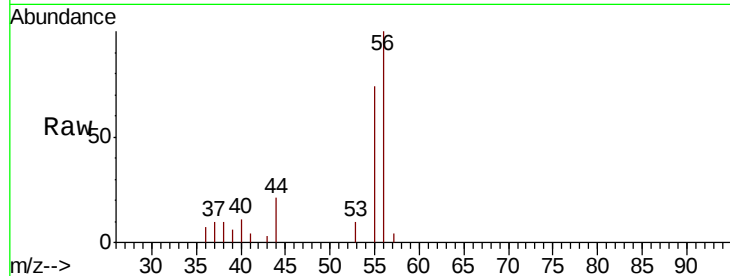
55 71.0 56.3 84.5

Manual Integrations

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#14

Allyl chloride

Concen: 20.18 ug/l

RT: 4.33 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

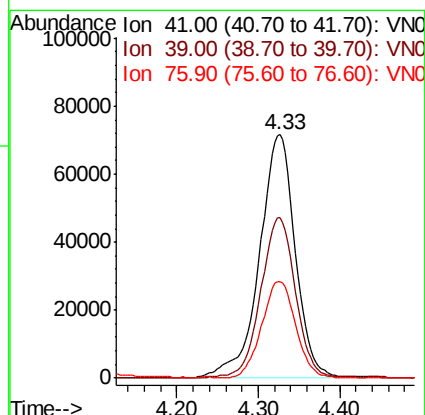
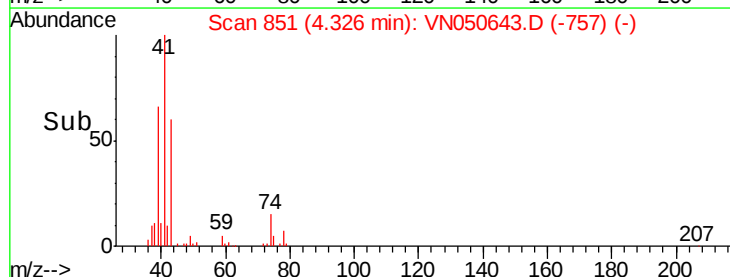
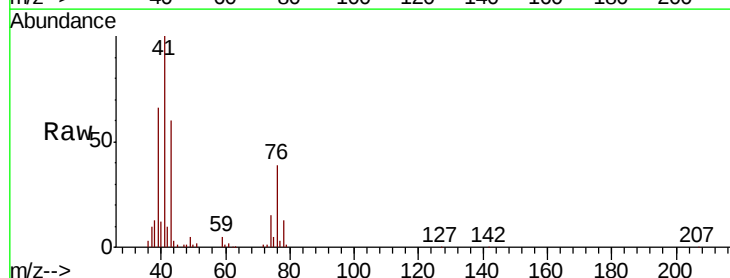
Tgt Ion: 41 Resp: 219225

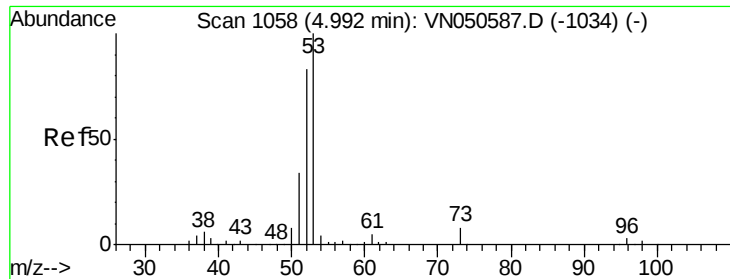
Ion Ratio Lower Upper

41 100

39 64.0 51.4 77.0

76 37.9 29.4 44.0





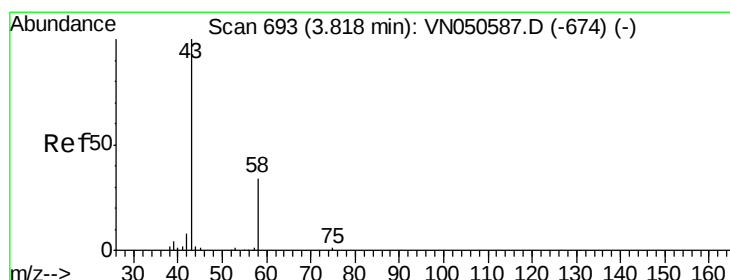
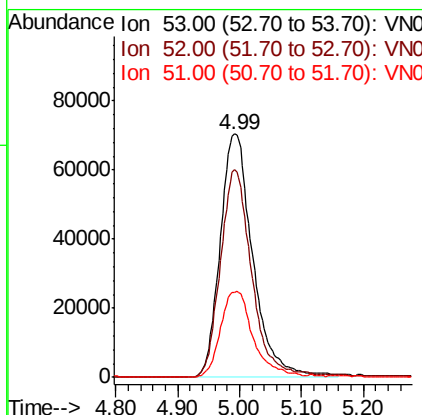
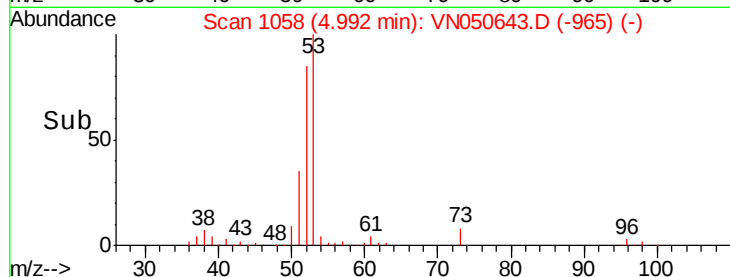
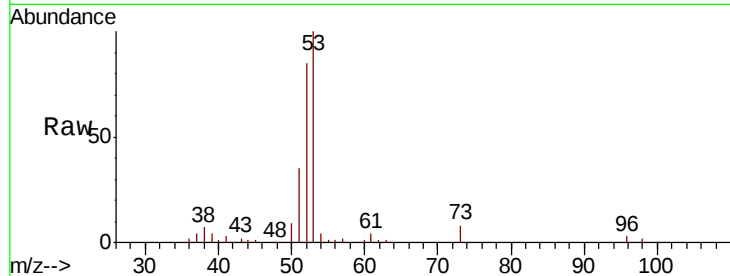
#15
 Acrylonitrile
 Concen: 106.30 ug/l
 RT: 4.99 min Scan# 1058
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.2	99.2
51	35.6	28.6	43.0

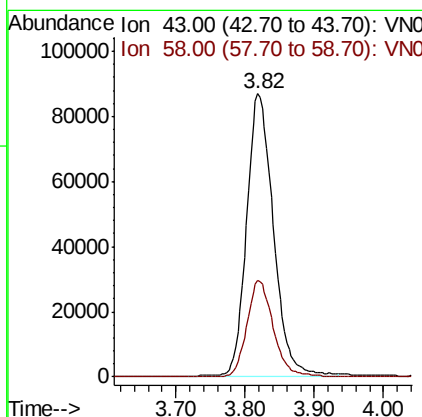
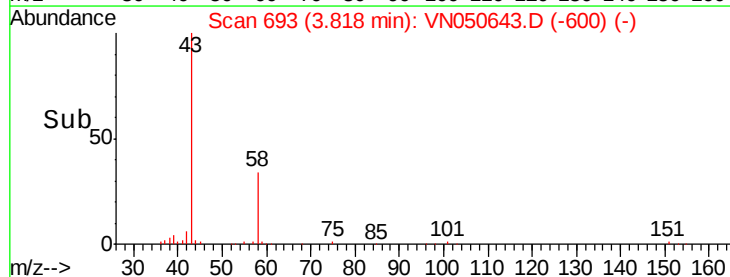
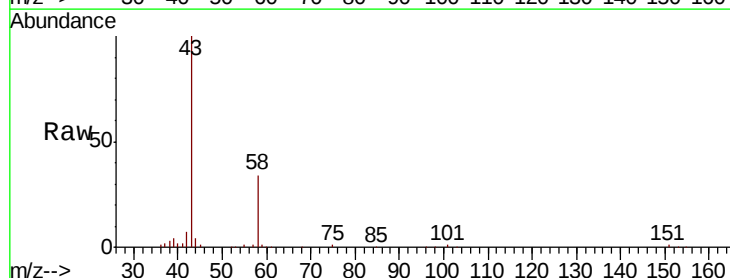
Manual Integrations
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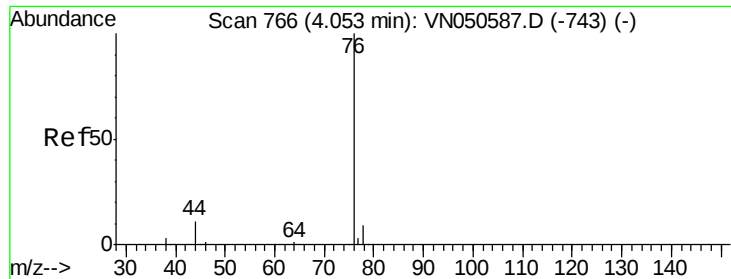
MMDadoda
 8/16/2018 1:18:32 PM



#16
 Acetone
 Concen: 115.37 ug/l
 RT: 3.82 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
43	100		
58	33.9	27.1	40.7





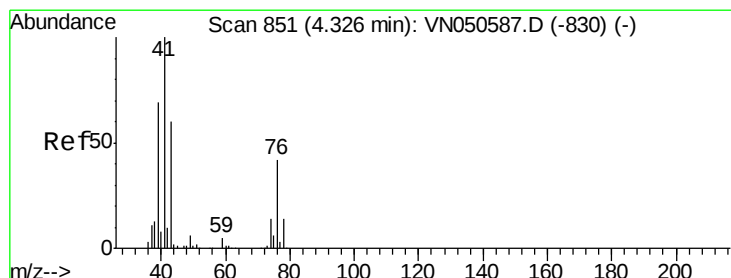
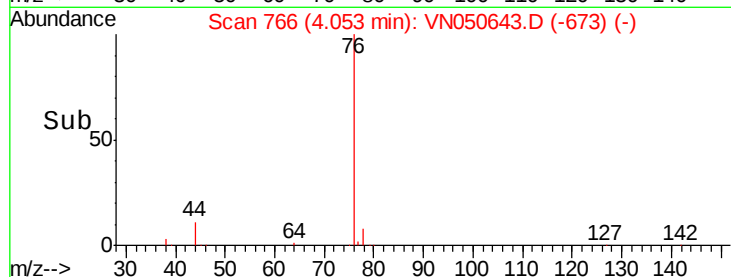
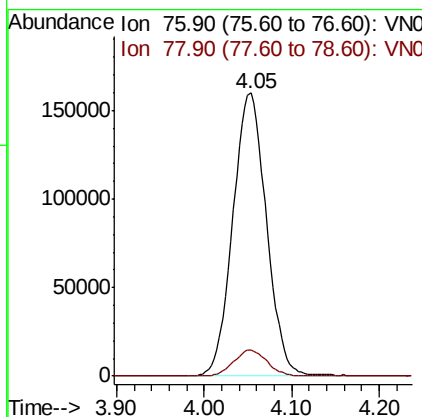
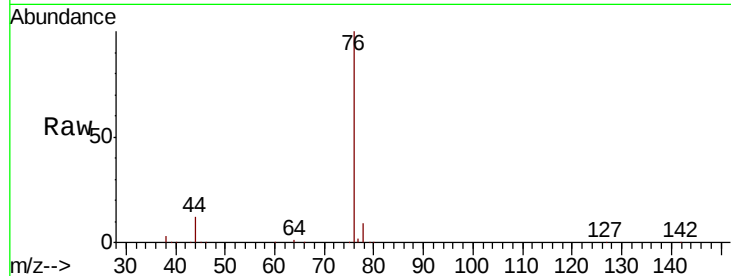
#17
Carbon Disulfide
Concen: 19.40 ug/l
RT: 4.05 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
76	100		
78	9.2	7.3	10.9

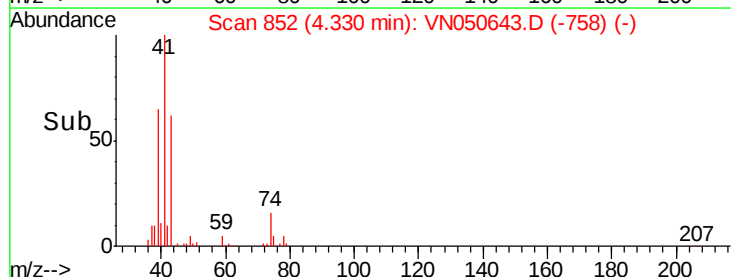
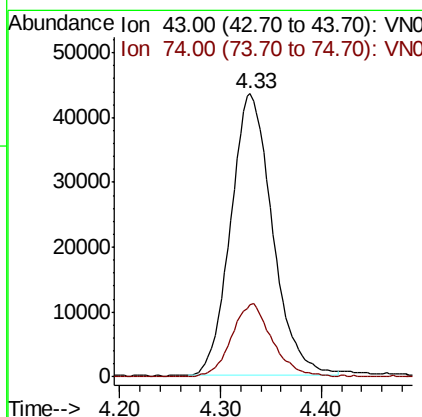
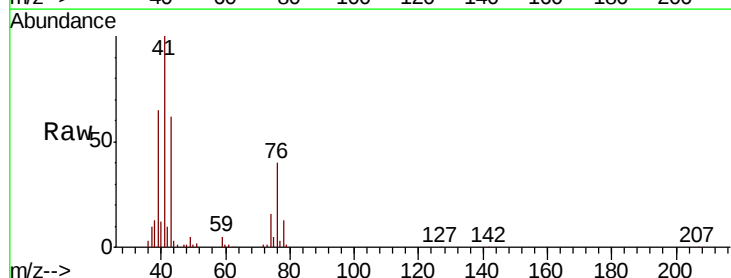
Manual Integrations
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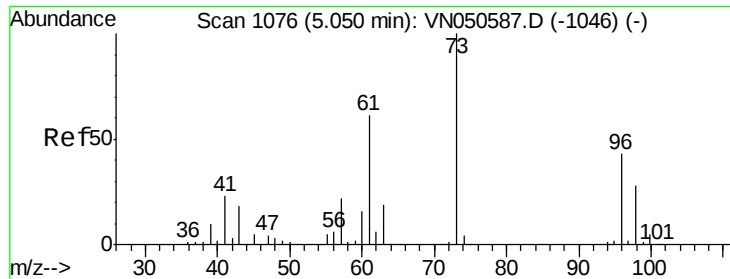
MMDadoda
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#18
Methyl Acetate
Concen: 21.30 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
43	100		
74	25.3	19.7	29.5





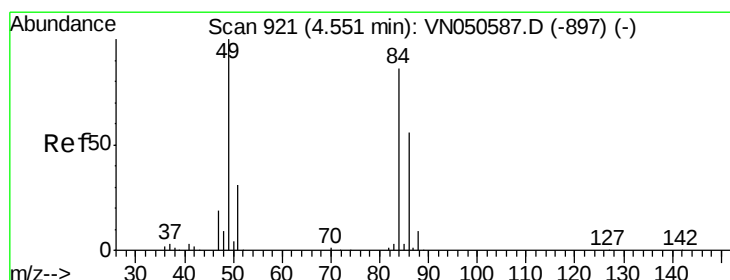
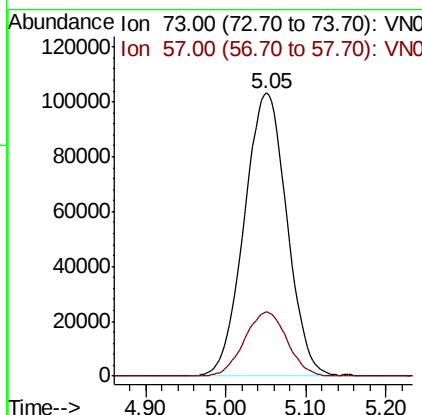
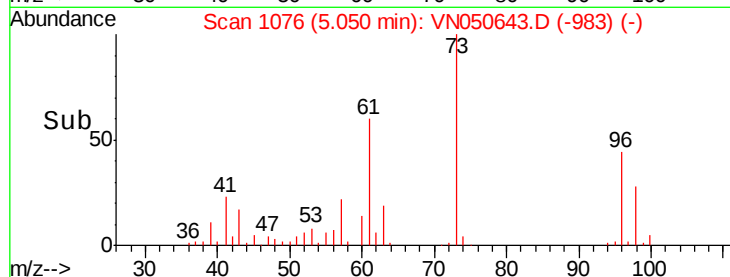
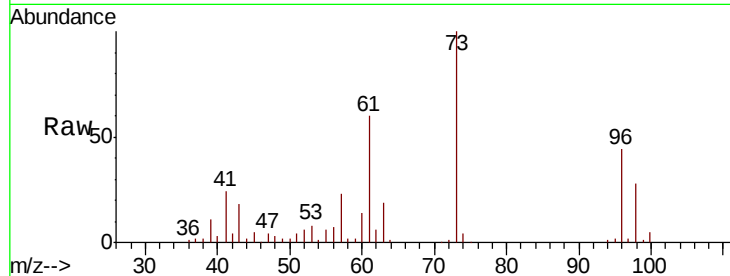
#19
Methvl tert-butvl Ether
Concen: 21.17 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
73	100		
57	22.7	17.9	26.9

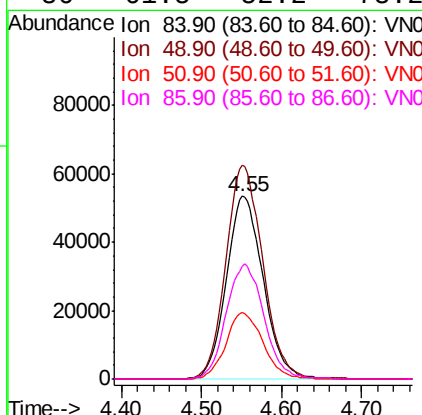
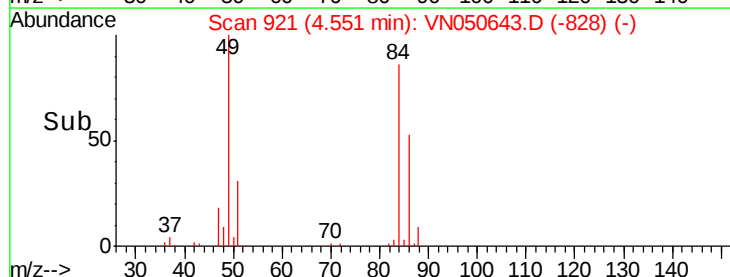
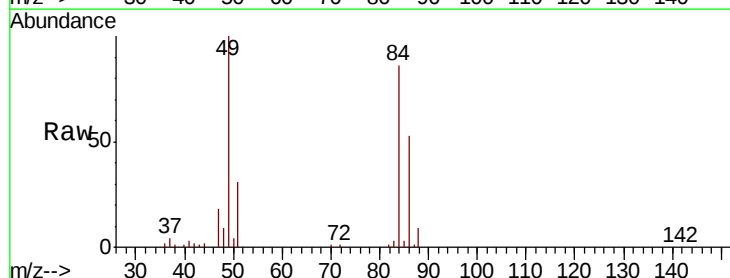
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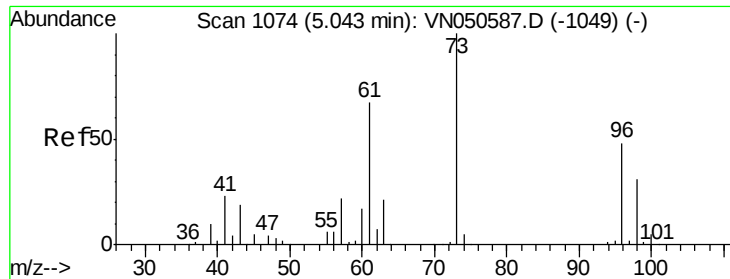
MMDadoda
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#20
Methylene Chloride
Concen: 21.05 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
84	100		
49	116.5	92.6	138.8
51	36.1	28.6	43.0
86	61.5	52.2	78.2





#21

trans-1,2-Dichloroethene

Concen: 19.93 ug/l

RT: 5.04 min Scan# 1073

Delta R.T. -0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

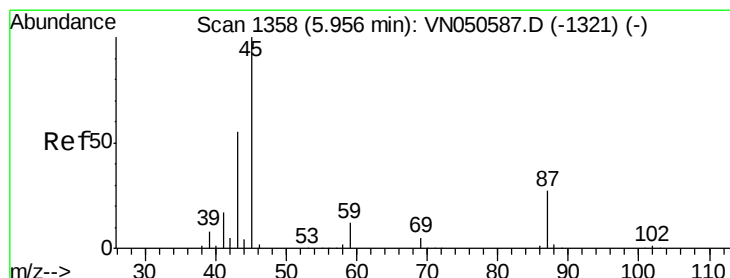
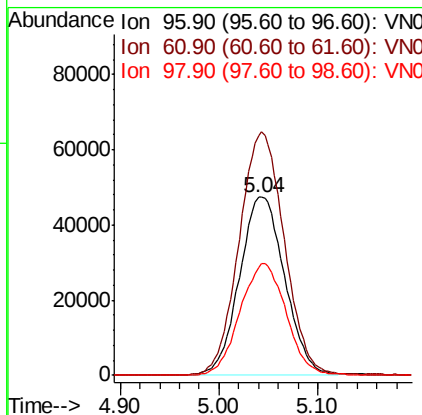
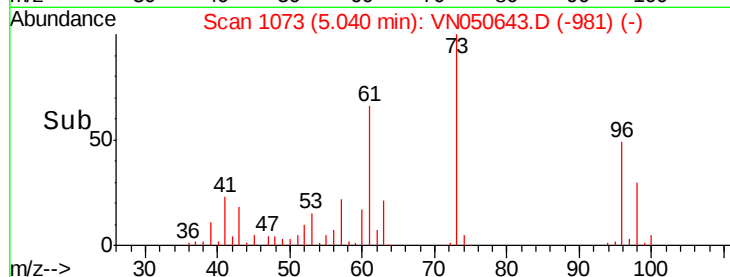
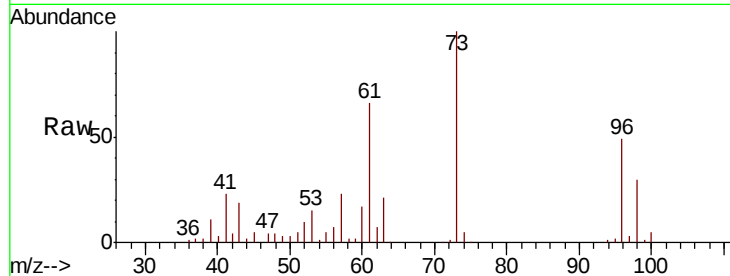
ClientSampleId :

VN0815WBSD01

Tot Ion:	96	Resp:	150851
Ion	Ratio	Lower	Upper
96	100		
61	134.3	111.2	166.8
98	60.3	51.6	77.4

Manual Integrations
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#22

Diisopropyl ether

Concen: 21.84 ug/l

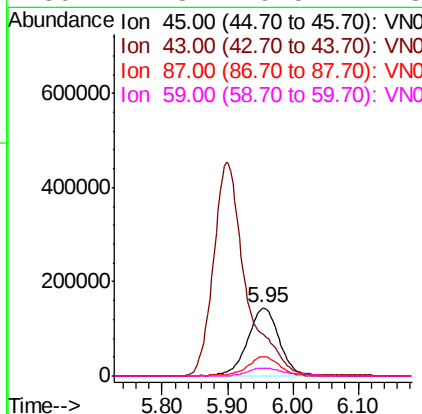
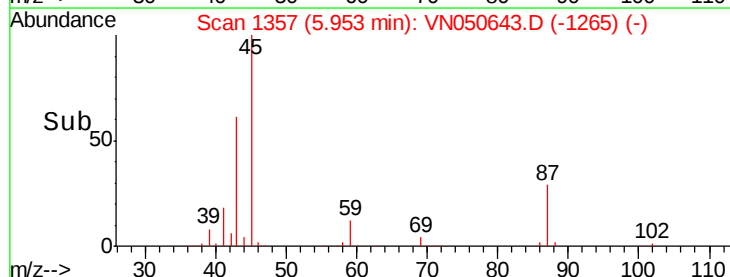
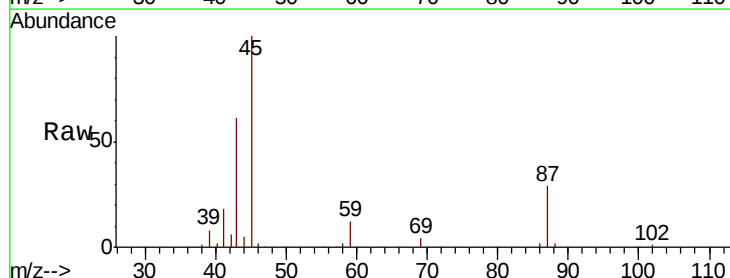
RT: 5.95 min Scan# 1357

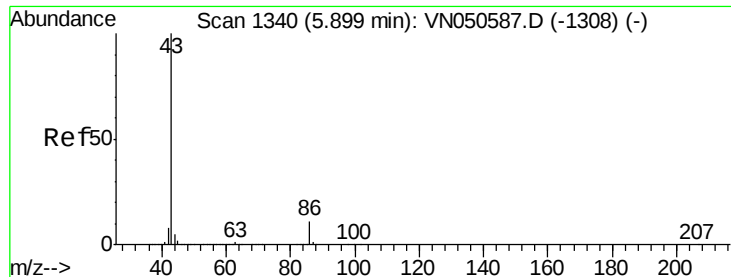
Delta R.T. -0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion:	45	Resp:	486404
Ion	Ratio	Lower	Upper
45	100		
43	60.0	44.5	66.7
87	28.8	22.2	33.2
59	11.3	9.5	14.3





#23

Vinyl Acetate

Concen: 107.90 ug/l

RT: 5.90 min Scan# 1340

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleID :

VN0815WBSD01

Tot Ion: 43 Resp: 1571888

Ion Ratio Lower Upper

43 100

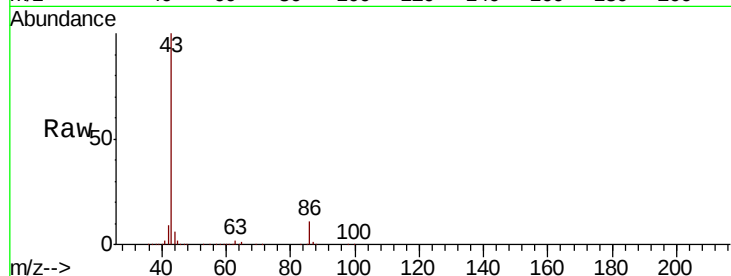
86 10.9 8.4 12.6

Manual Integrations

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Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.90

400000

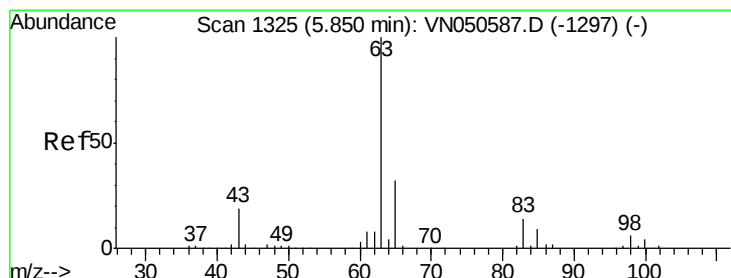
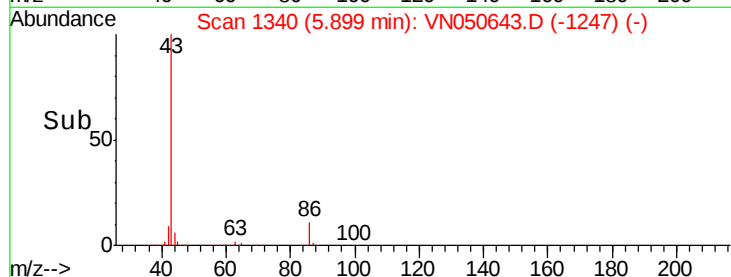
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.78 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

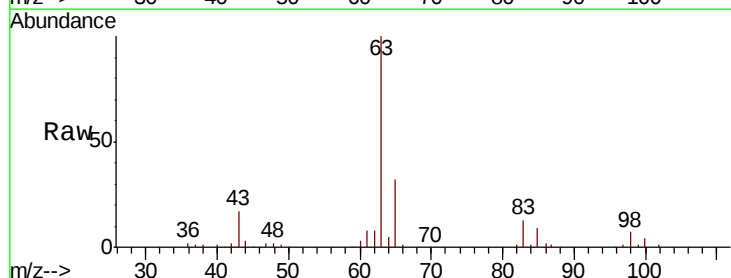
Tgt Ion: 63 Resp: 285002

Ion Ratio Lower Upper

63 100

98 7.0 3.2 9.6

100 4.0 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

120000

100000

80000

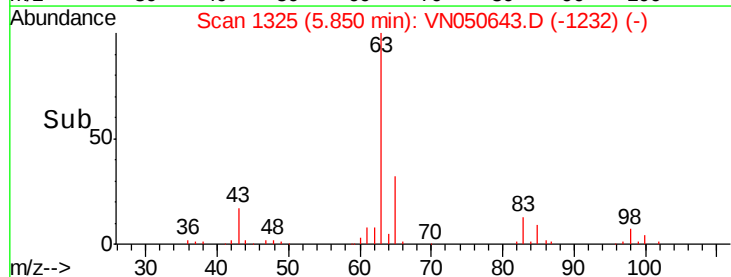
60000

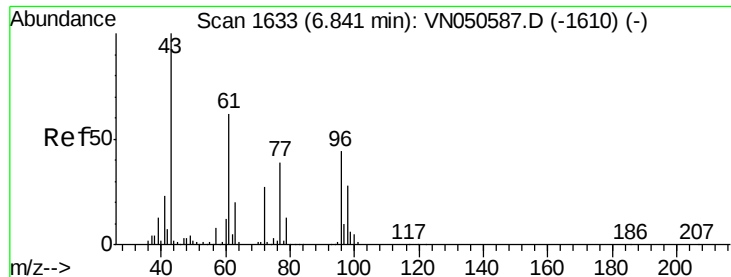
40000

20000

0

Time-->





#25

2-Butanone

Concen: 107.97 ug/l

RT: 6.84 min Scan# 1633

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 43 Resp: 359096

Ion Ratio Lower Upper

43 100

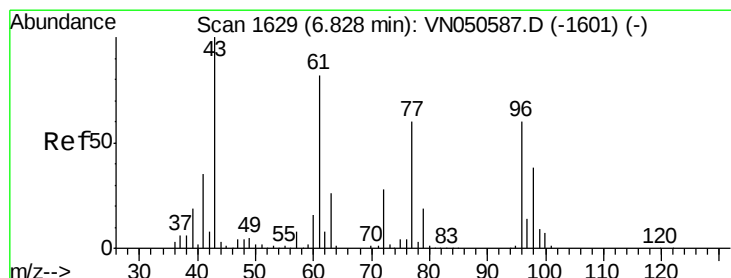
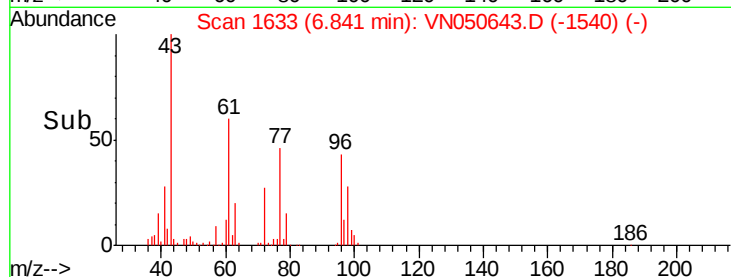
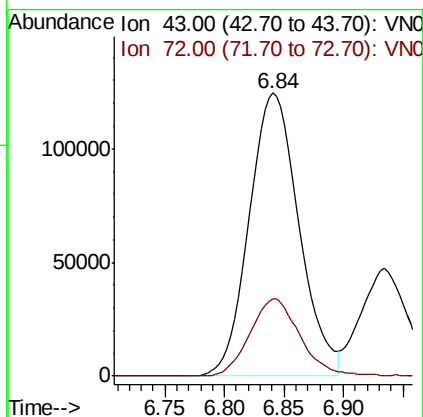
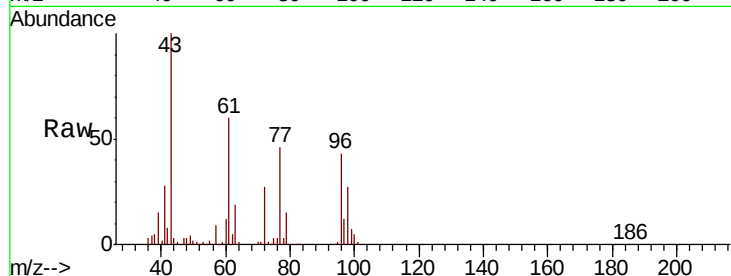
72 27.2 21.8 32.6

Manual Integrations

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MMDadoda

8/16/2018 1:18:32 PM



#26

2,2-Dichloropropane

Concen: 23.79 ug/l

RT: 6.82 min Scan# 1628

Delta R.T. -0.00 min

Lab File: VN050643.D

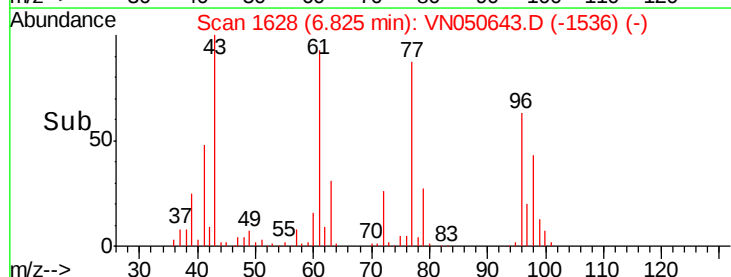
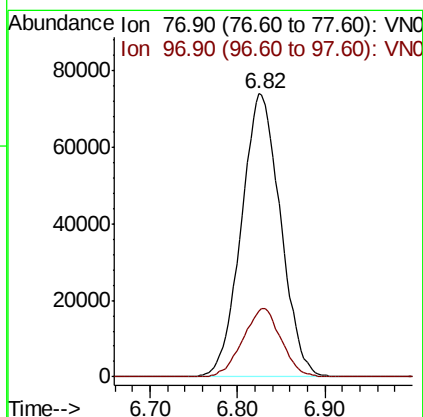
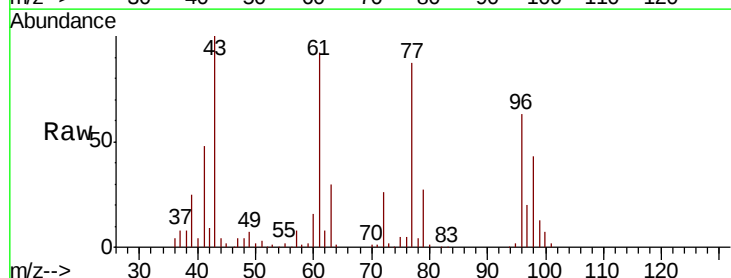
Acq: 15 Aug 2018 10:17

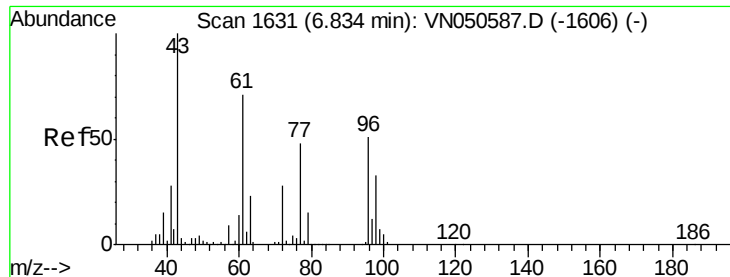
Tgt Ion: 77 Resp: 229496

Ion Ratio Lower Upper

77 100

97 23.7 12.2 36.4





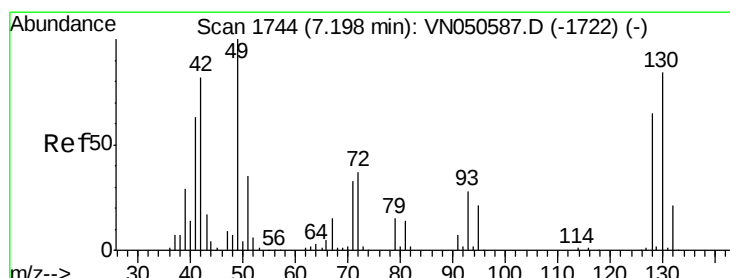
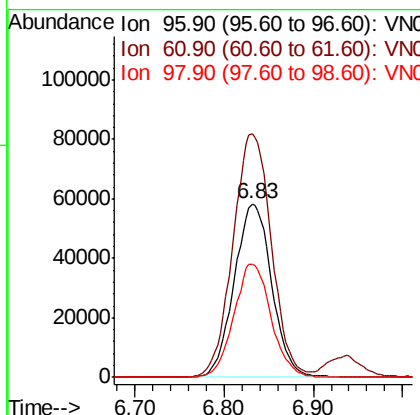
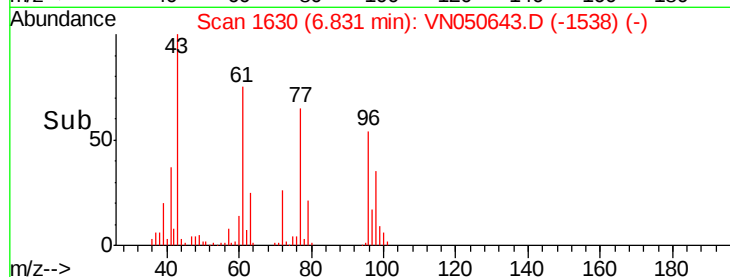
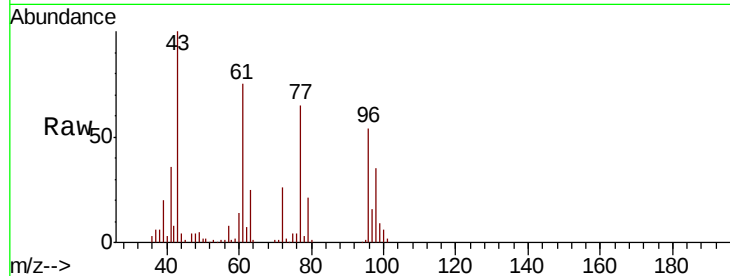
#27
 cis-1,2-Dichloroethene
 Concen: 20.20 ug/l
 RT: 6.83 min Scan# 1630
 Delta R.T. -0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
96	100	170304		
61	144.2	0.0	278.2	
98	64.7	0.0	128.8	

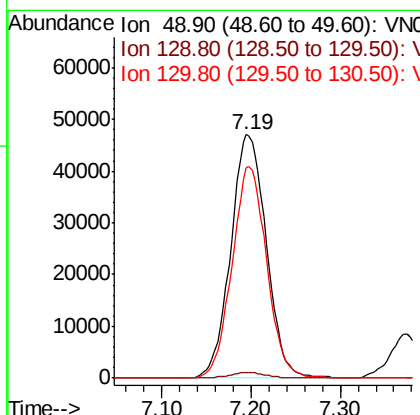
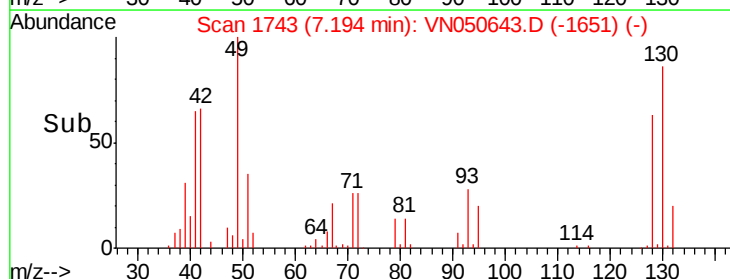
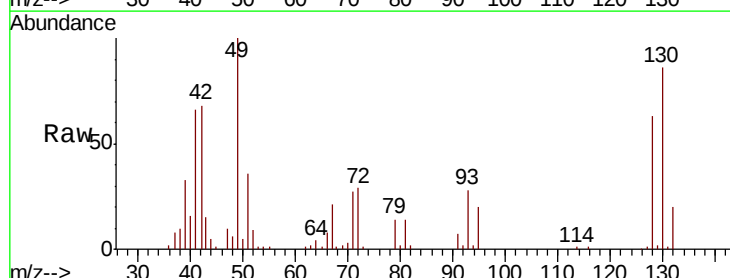
Manual Integrations
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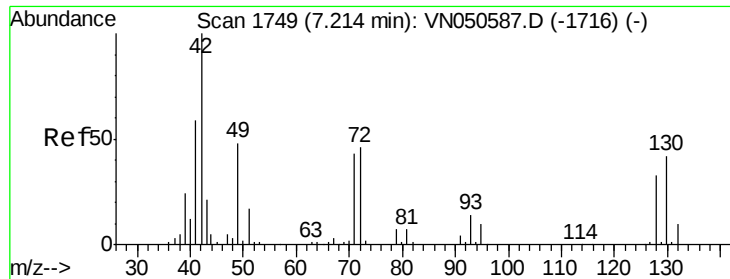
MMDadoda
 8/16/2018 1:18:32 PM



#28
 Bromochloromethane
 Concen: 19.85 ug/l
 RT: 7.19 min Scan# 1743
 Delta R.T. -0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
49	100	130148		
129	2.3	0.0	4.2	
130	84.5	66.8	100.2	





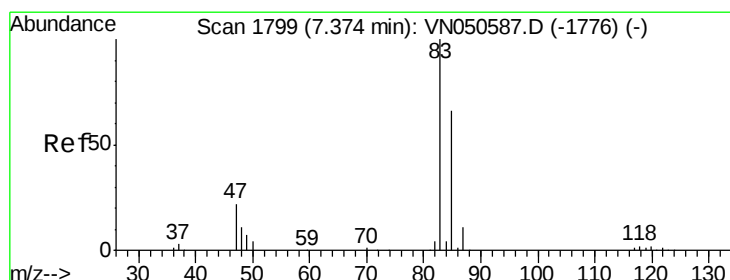
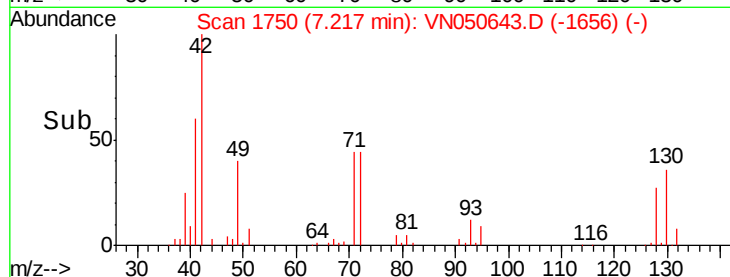
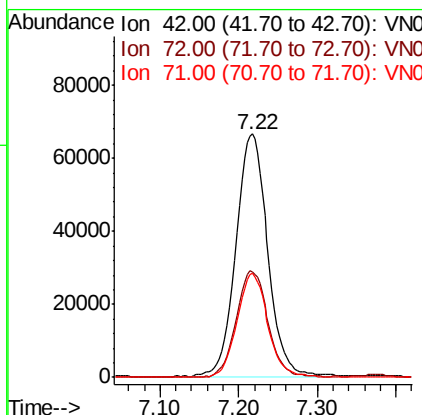
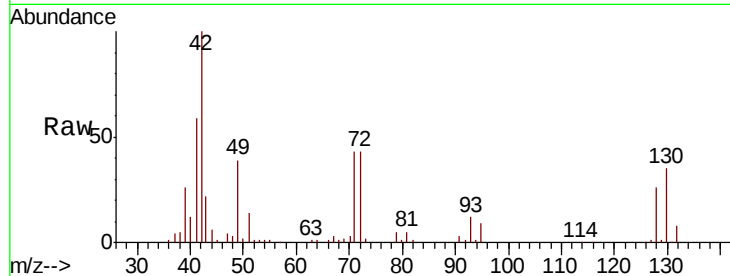
#29
Tetrahydrofuran
Concen: 108.10 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
42	100		
72	44.1	35.8	53.6
71	41.7	33.4	50.0

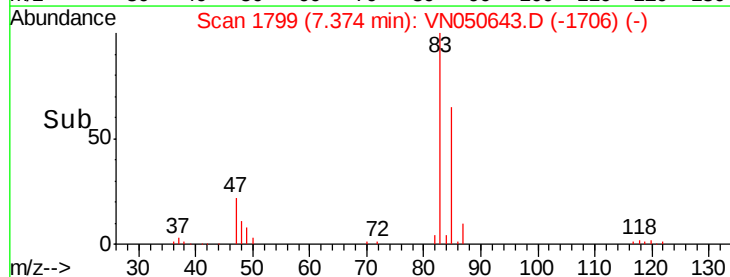
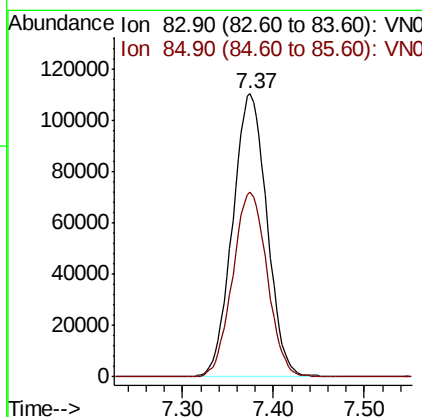
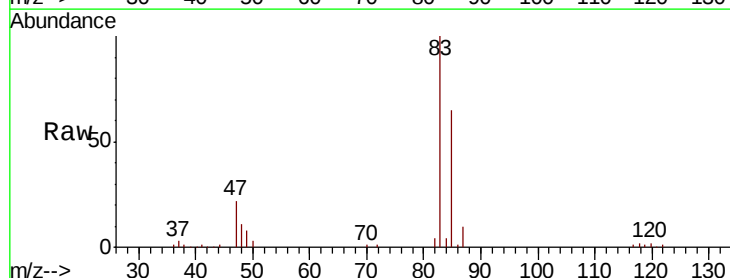
Manual Integrations
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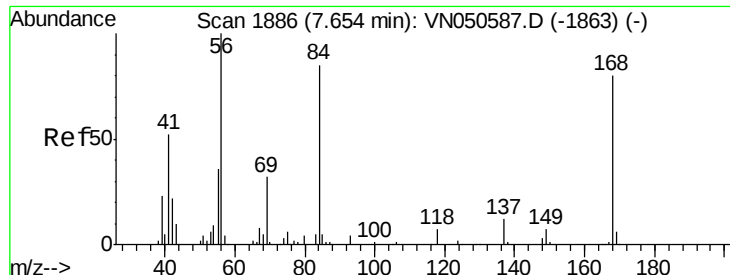
MMDadoda
8/16/2018 1:18:32 PM



#30
Chloroform
Concen: 19.84 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.1	52.5	78.7





#31

Cyclohexane

Concen: 20.44 ug/l

RT: 7.66 min Scan# 1887

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

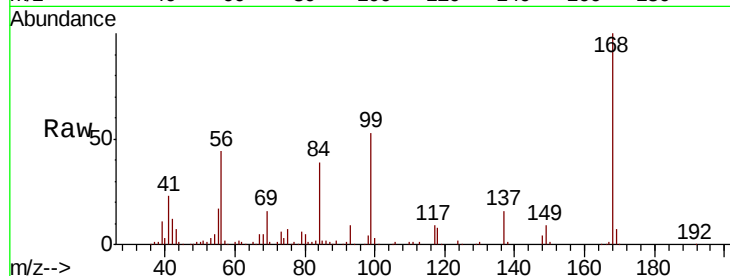
ClientSampleId :

VN0815WBSD01

Tot Ion:	56	Resp:	253904
Ion	Ratio	Lower	Upper
56	100		
69	36.1	25.8	38.6
84	88.1	67.8	101.6

Manual Integrations
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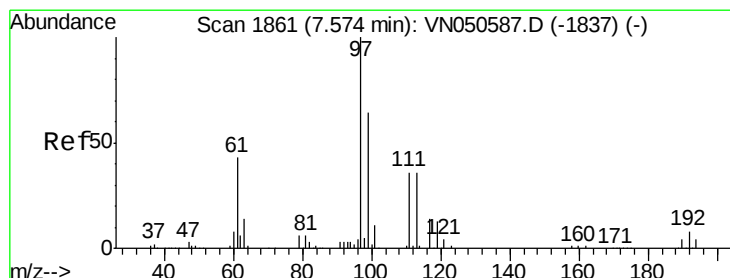
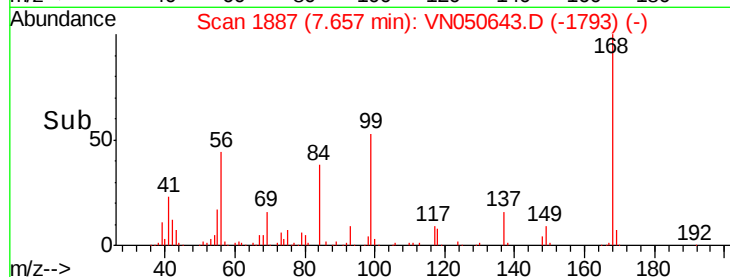
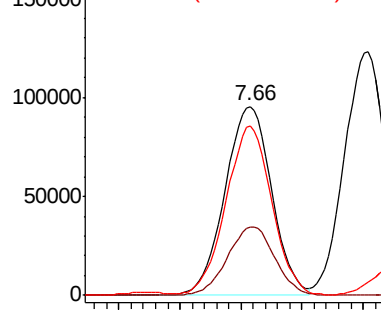


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 19.54 ug/l

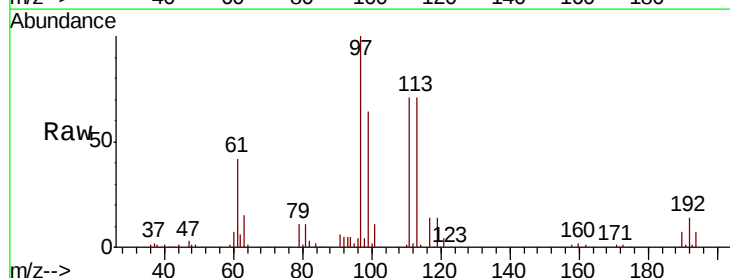
RT: 7.57 min Scan# 1860

Delta R.T. -0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion:	97	Resp:	240144
Ion	Ratio	Lower	Upper
97	100		
99	65.0	51.1	76.7
61	43.7	34.8	52.2

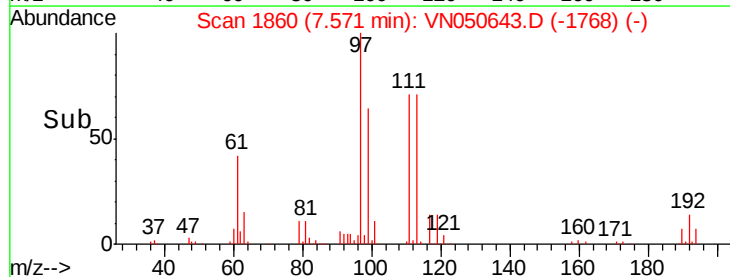
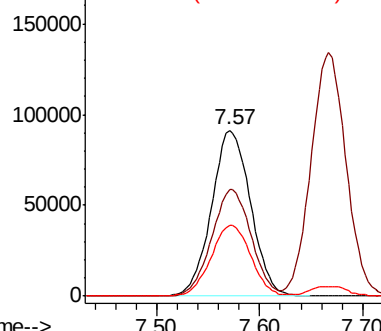


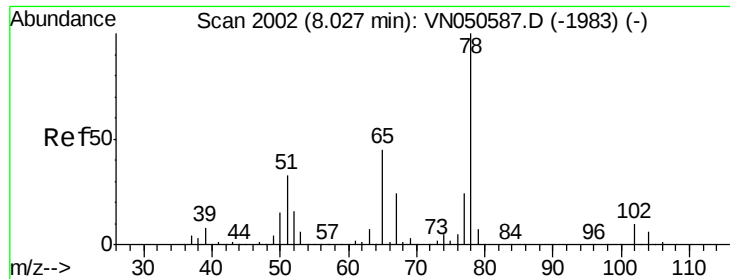
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





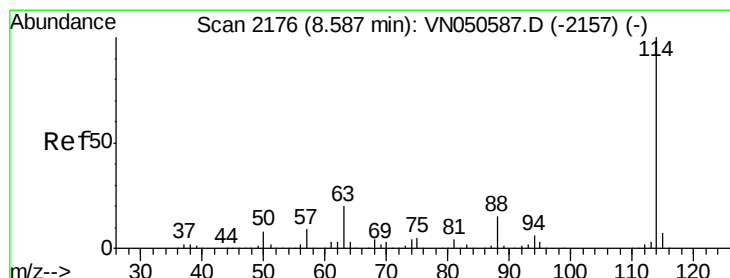
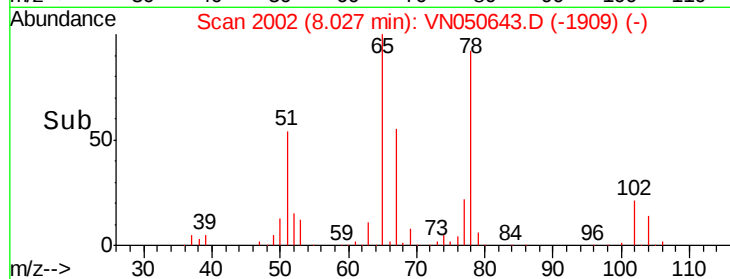
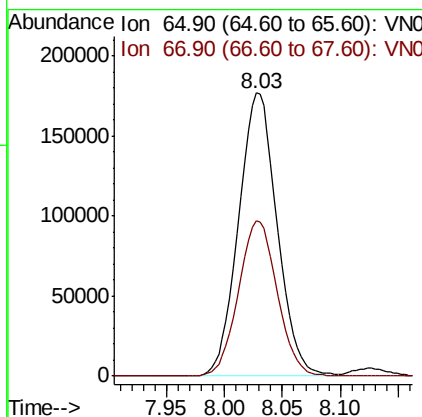
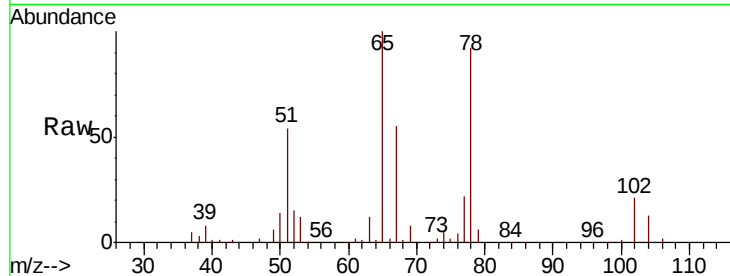
#33
 1,2-Dichloroethane-d4
 Concen: 50.47 ug/l
 RT: 8.03 min Scan# 2002
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
65	100	409402		
67	55.1	0.0	109.8	

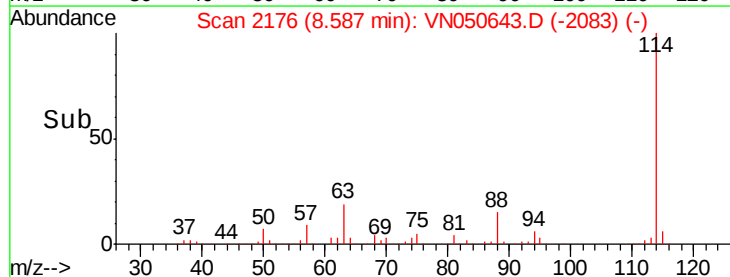
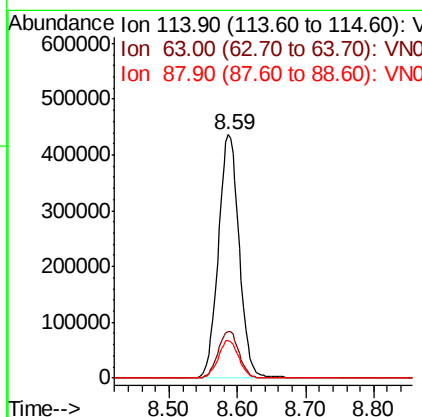
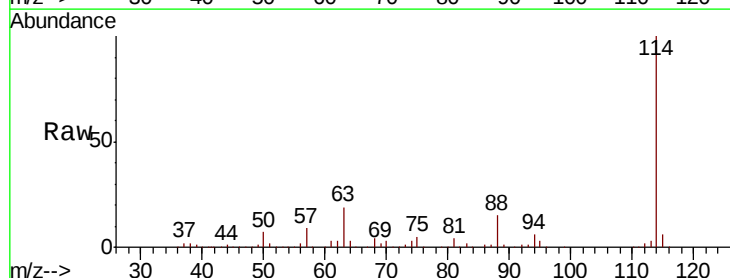
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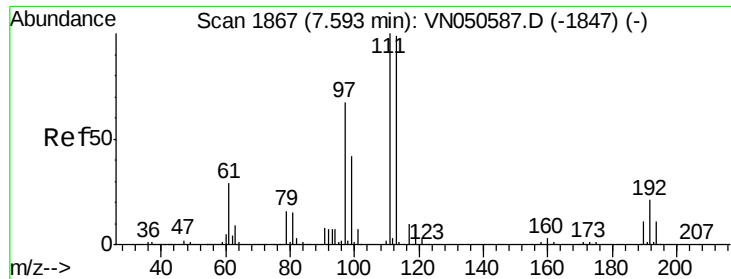
MMDadoda
 8/16/2018 1:18:32 PM



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
114	100	921356		
63	19.3	0.0	40.0	
88	15.4	0.0	30.8	





#35

Dibromofluoromethane

Concen: 51.40 ug/l

RT: 7.59 min Scan# 1867

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

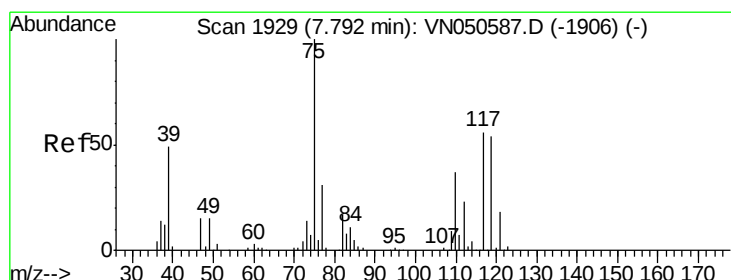
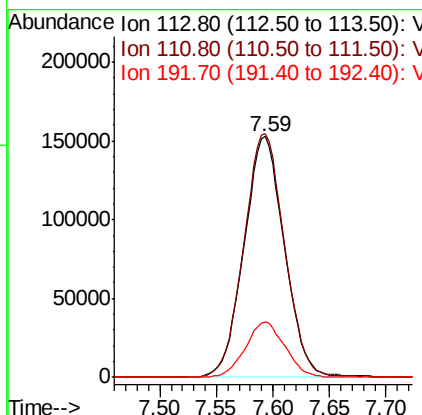
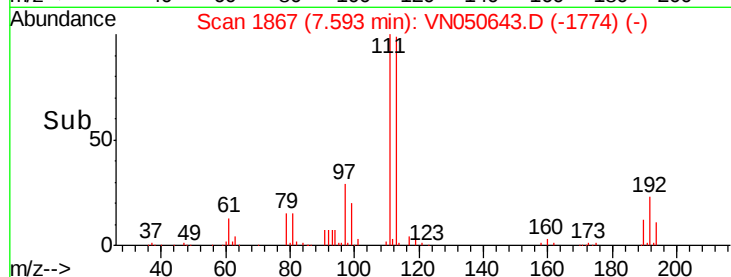
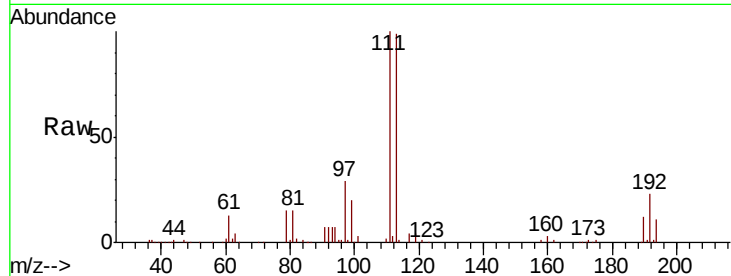
ClientSampleId :

VN0815WBSD01

Tot Ion:	113	Resp:	378095
Ion Ratio	Lower	Upper	
113	100		
111	102.4	81.0	121.6
192	22.6	17.6	26.4

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#36

1,1-Dichloropropene

Concen: 21.14 ug/l

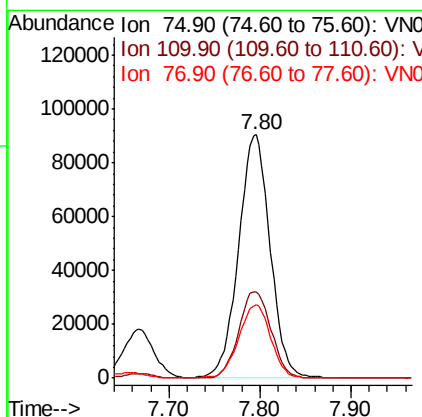
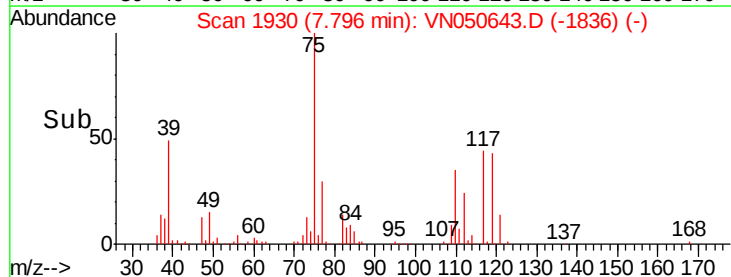
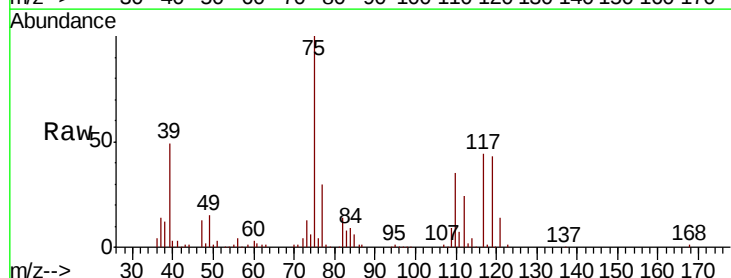
RT: 7.80 min Scan# 1930

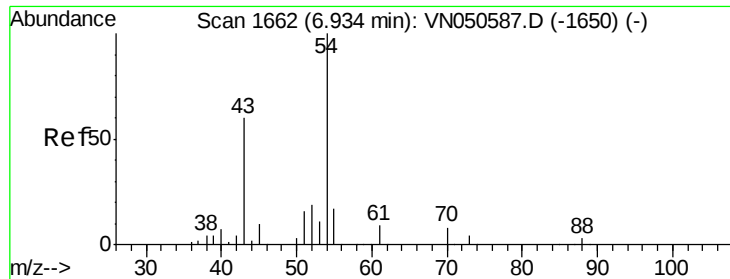
Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion:	75	Resp:	216787
Ion Ratio	Lower	Upper	
75	100		
110	36.5	18.3	54.9
77	30.8	25.0	37.4





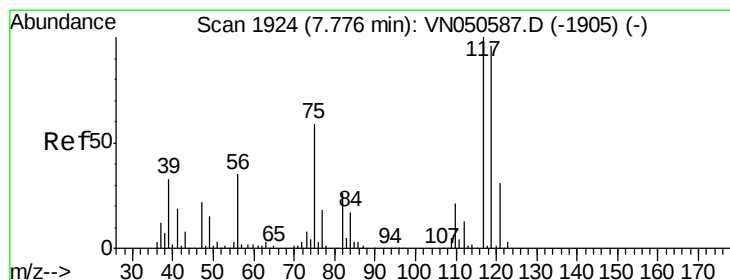
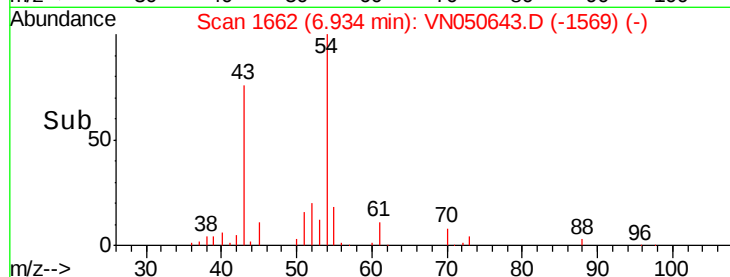
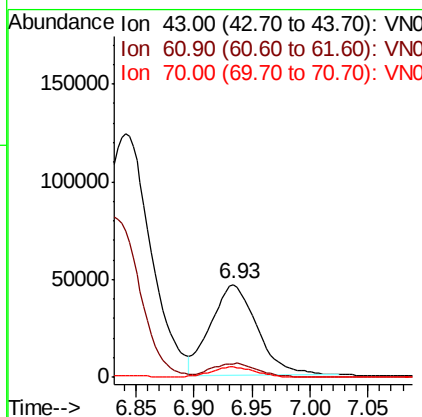
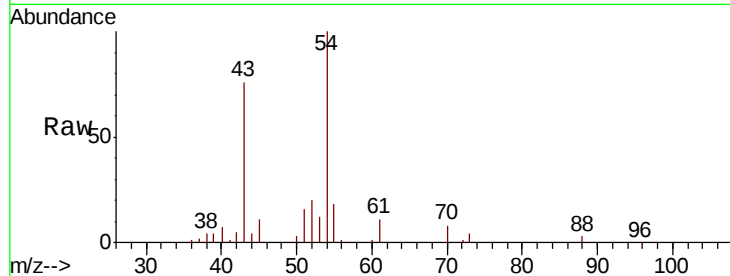
#37
Ethyl Acetate
Concen: 22.24 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
61	14.7	12.0	18.0
70	11.1	8.5	12.7

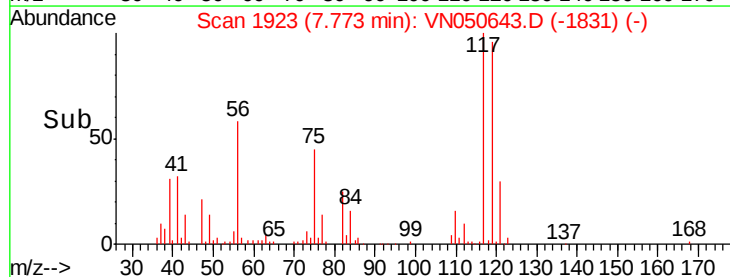
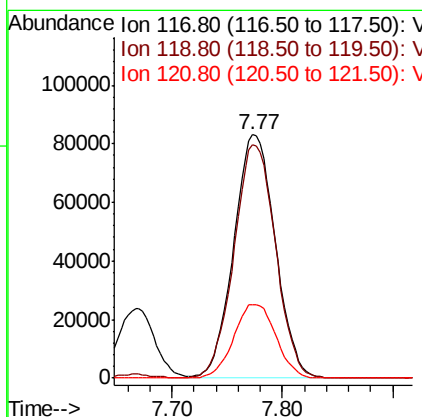
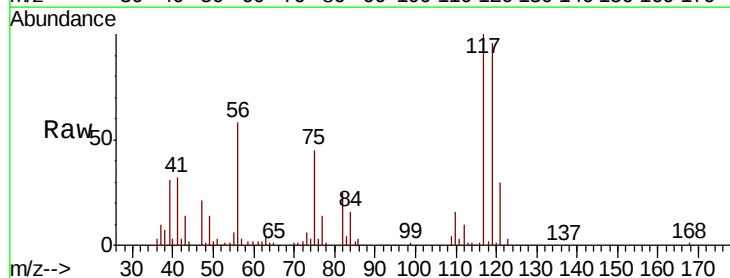
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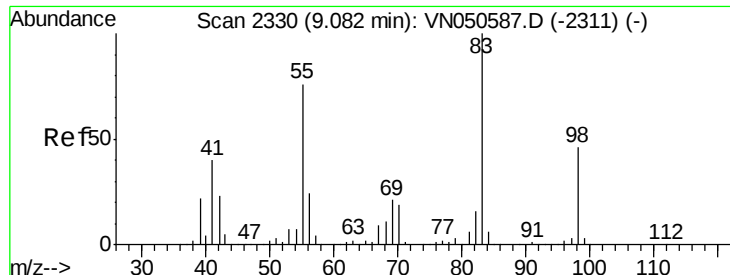
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#38
Carbon Tetrachloride
Concen: 20.39 ug/l
RT: 7.77 min Scan# 1923
Delta R.T. -0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.8	76.6	115.0
121	30.4	25.0	37.6





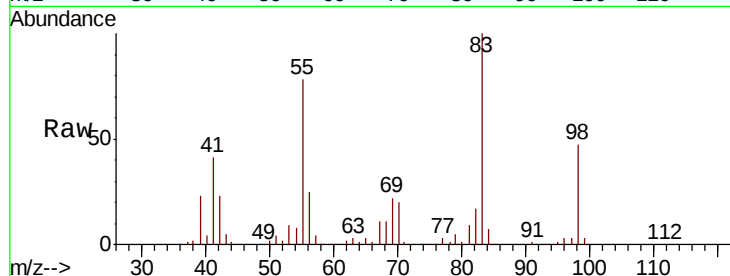
#39
Methvlcvclohexane
Concen: 21.09 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

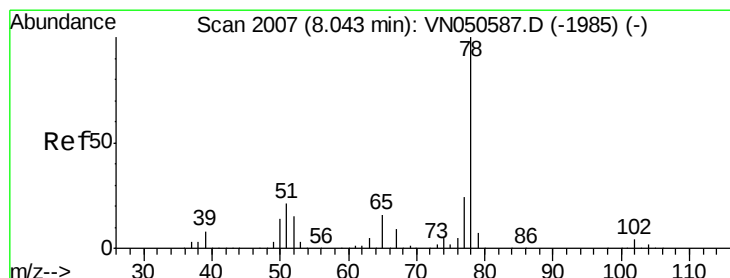
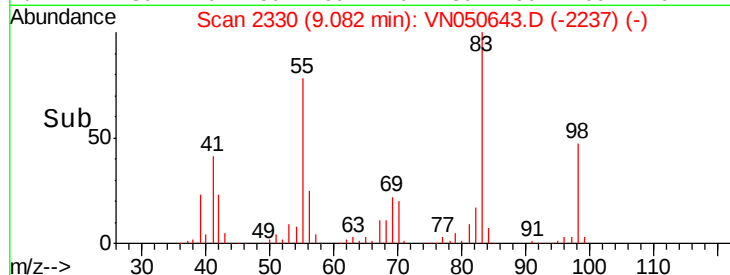
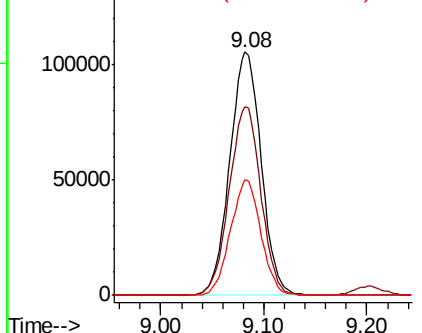
Tot Ion	Ratio	Resp	Lower	Upper
83	100			
55	77.6	60.6	91.0	
98	47.3	37.0	55.4	

Manual Integrations
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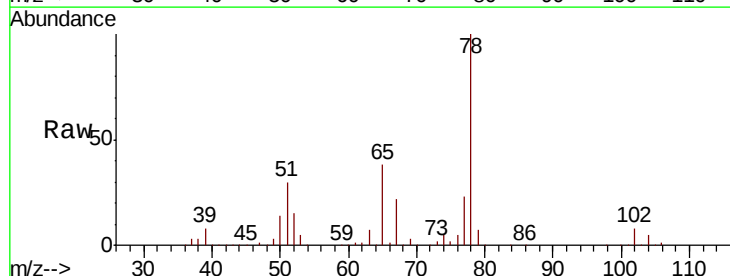


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

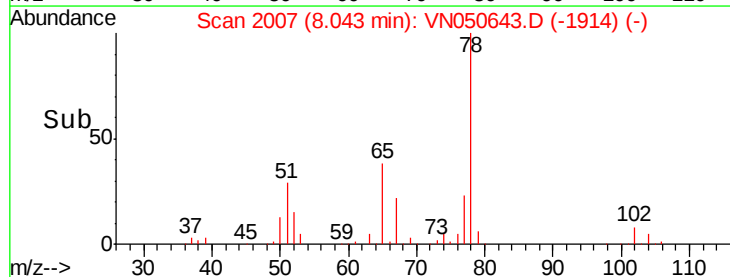
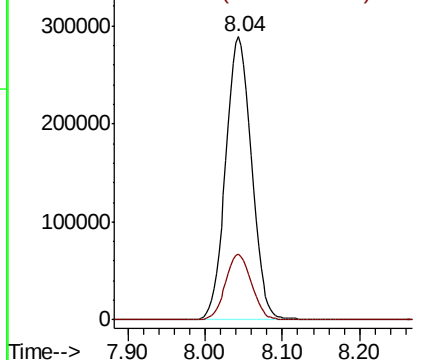


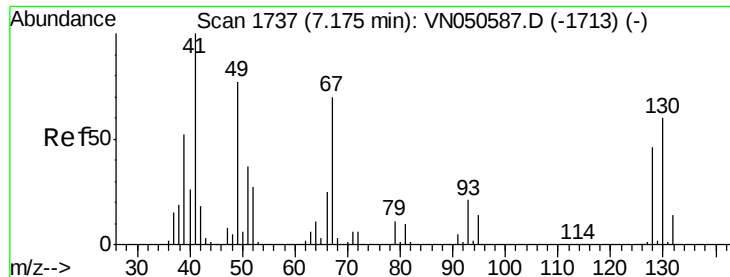
#40
Benzene
Concen: 21.48 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
78	100			
77	23.0	19.0	28.6	



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





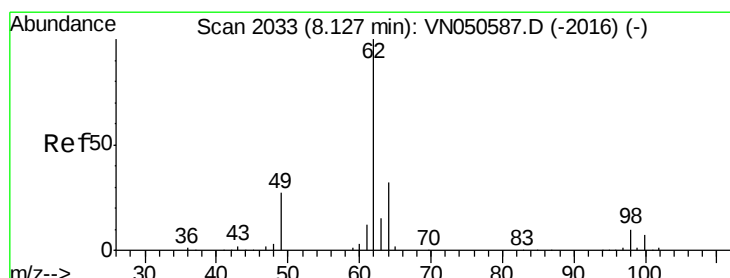
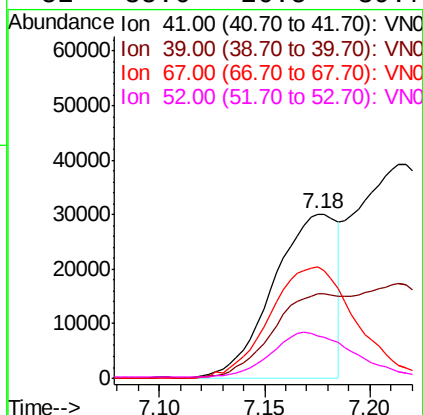
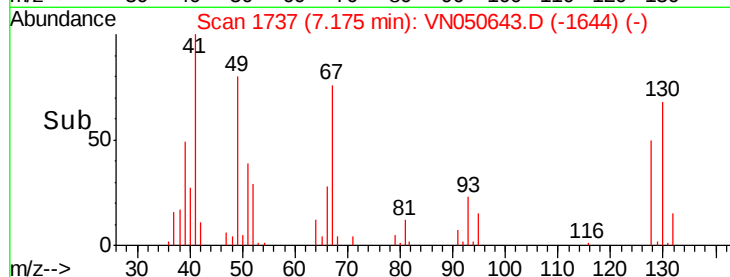
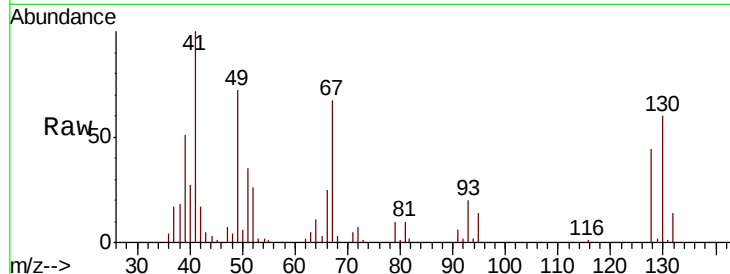
#41
Methacrylonitrile
Concen: 20.22 ug/l
RT: 7.18 min Scan# 1737
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	52.1	44.6	66.8	
67	91.8	66.7	100.1	
52	35.6	26.5	39.7	

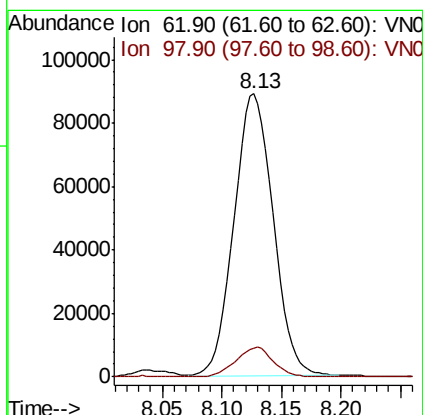
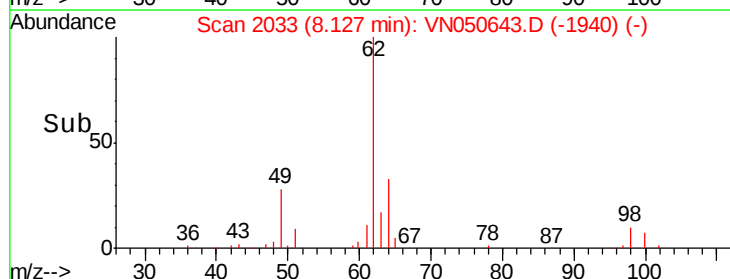
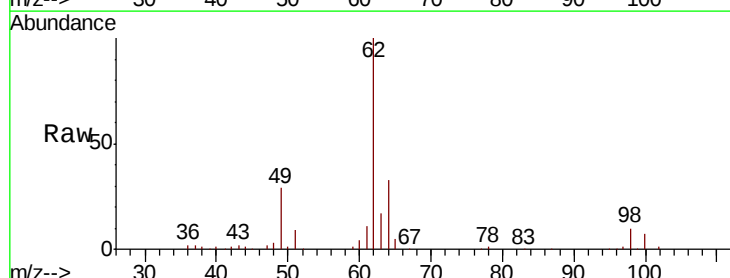
Manual Integrations
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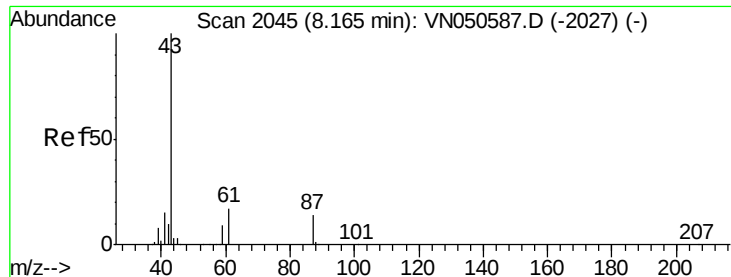
MMDadoda
8/16/2018 1:18:32 PM



#42
1,2-Dichloroethane
Concen: 21.29 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	0.0	19.4	





#43

Isopropyl Acetate

Concen: 20.94 ug/l

RT: 8.17 min Scan# 2045

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

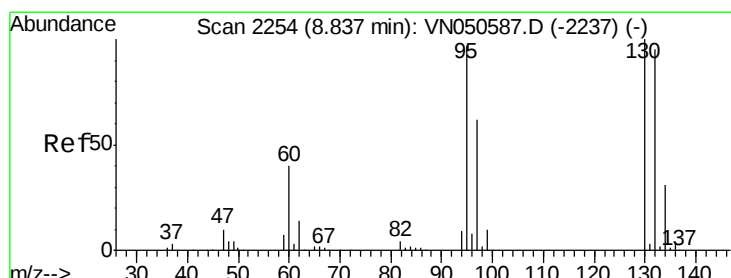
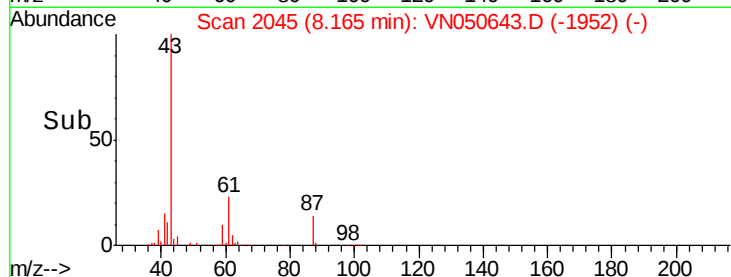
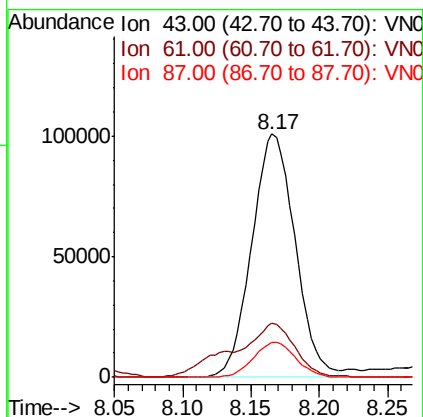
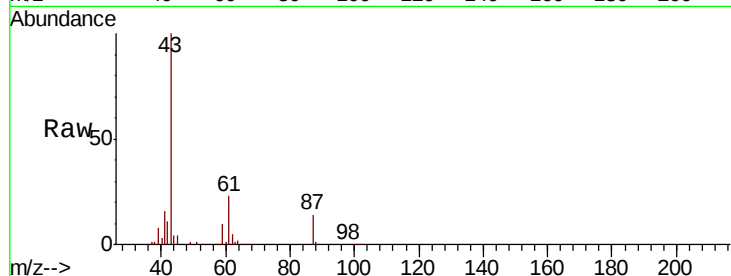
ClientSampleId :

VN0815WBSD01

Tot Ion:	43	Resp:	221288
Ion Ratio	Lower	Upper	
43	100		
61	31.5	16.2	24.2#
87	14.2	10.9	16.3

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#44

Trichloroethene

Concen: 20.53 ug/l

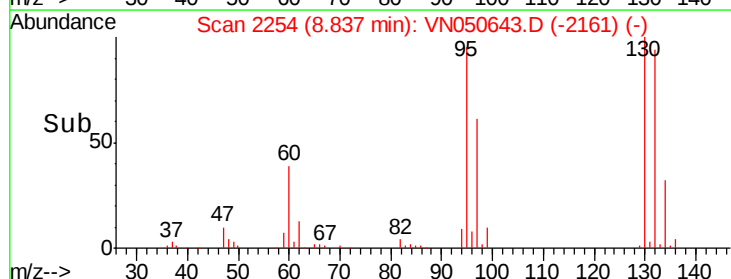
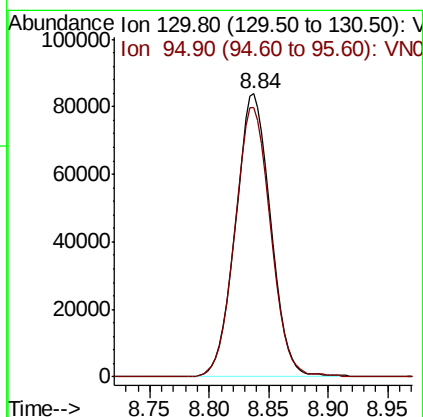
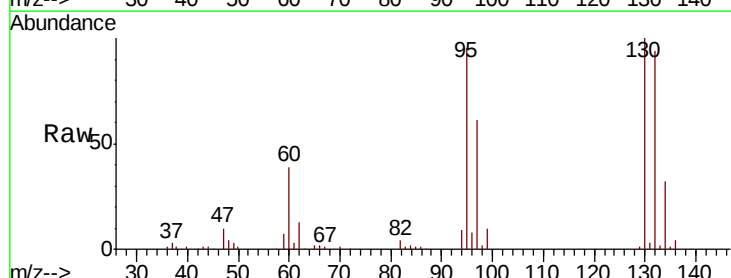
RT: 8.84 min Scan# 2254

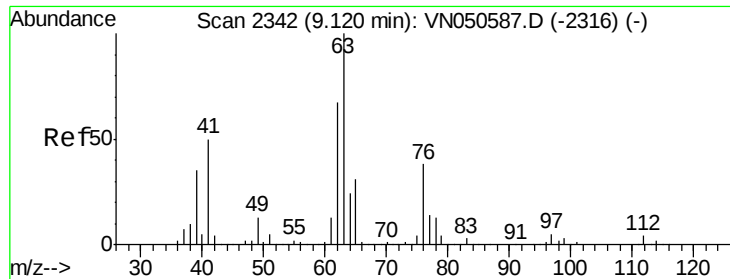
Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion:	130	Resp:	171608
Ion Ratio	Lower	Upper	
130	100		
95	95.4	0.0	193.8





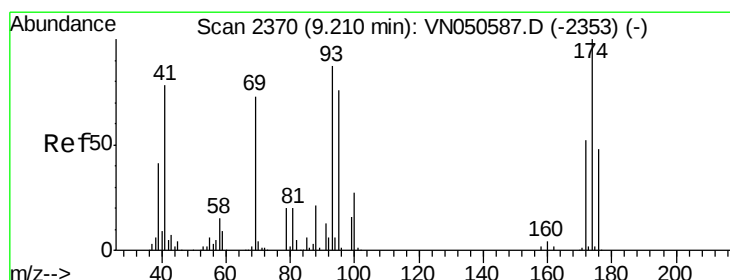
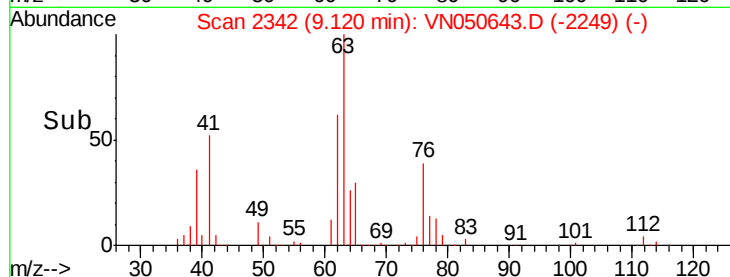
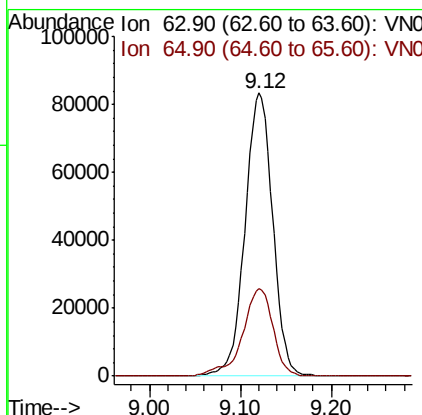
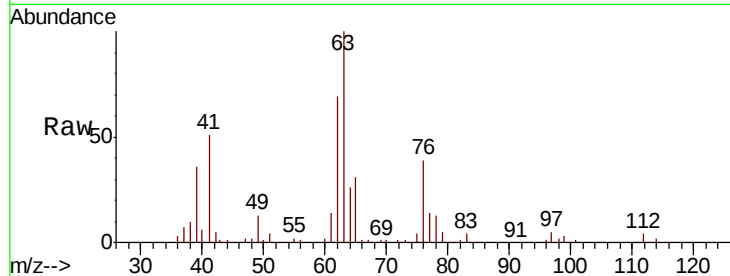
#45
 1,2-Dichloropropane
 Concen: 21.19 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion: 63 Resp: 176046
 Ion Ratio Lower Upper
 63 100
 65 30.7 24.5 36.7

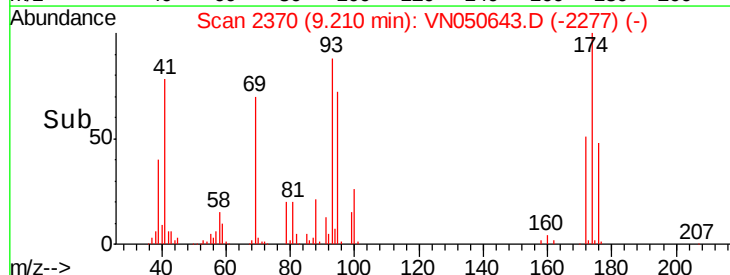
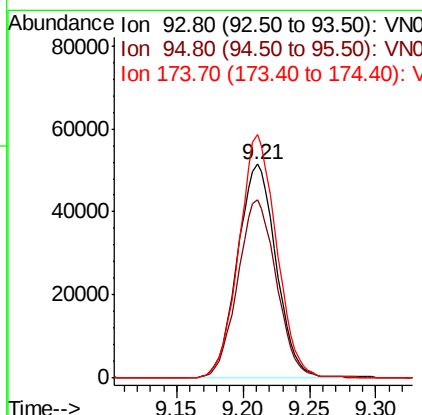
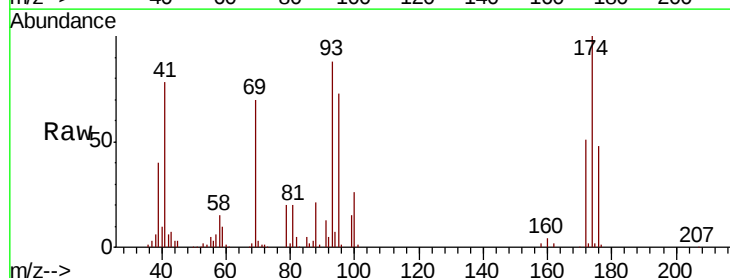
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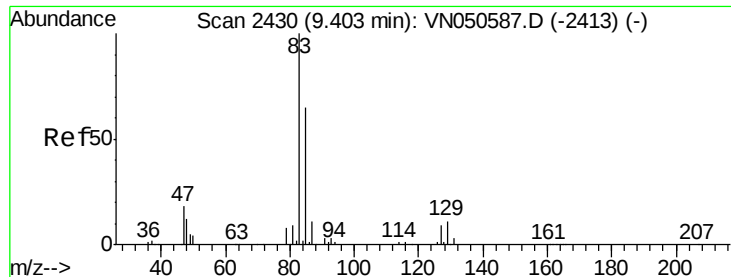
MMDadoda
 8/16/2018 1:18:32 PM



#46
 Dibromomethane
 Concen: 21.38 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion: 93 Resp: 104877
 Ion Ratio Lower Upper
 93 100
 95 83.5 69.1 103.7
 174 110.8 91.0 136.6





#47

Bromodichloromethane

Concen: 20.89 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

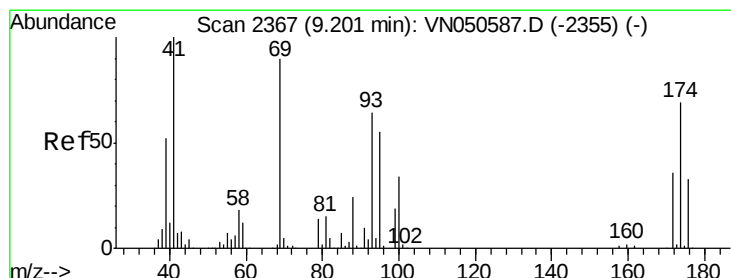
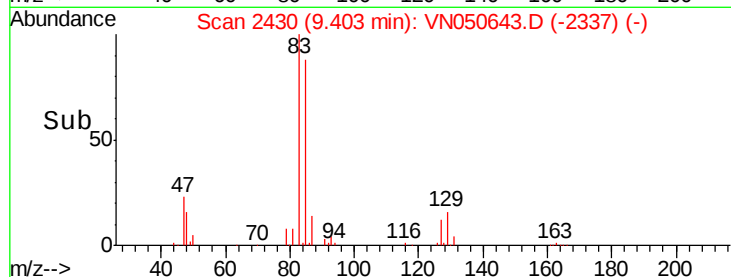
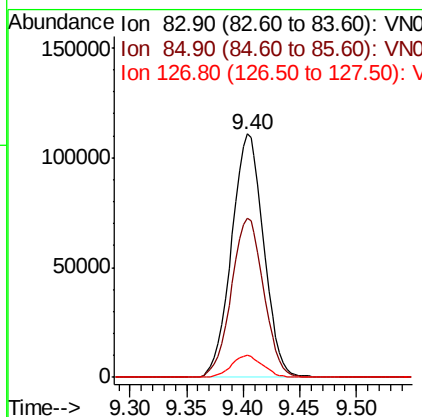
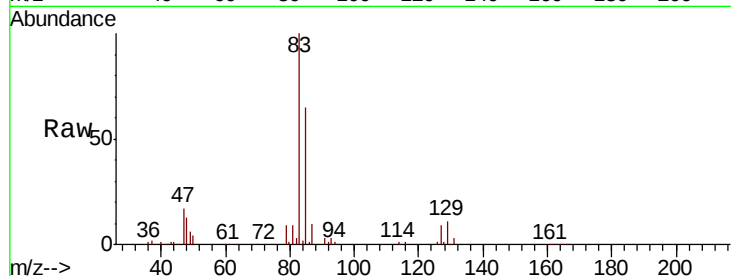
ClientSampleId :

VN0815WBSD01

Tot Ion:	83	Resp:	219042
Ion Ratio	Lower	Upper	
83	100		
85	65.5	51.8	77.6
127	9.0	7.2	10.8

Manual Integrations
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#48

Methyl methacrylate

Concen: 21.59 ug/l

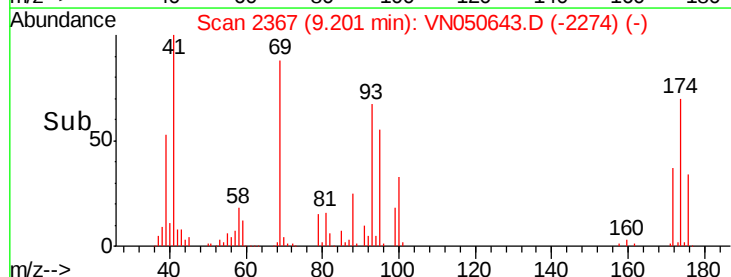
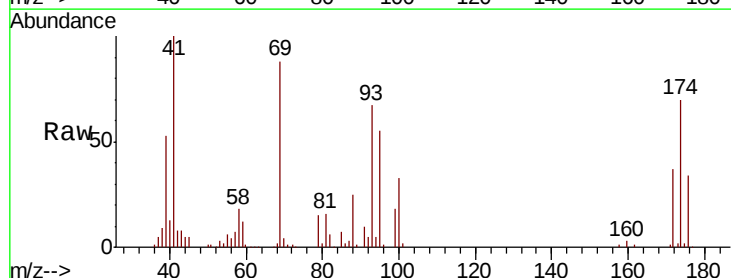
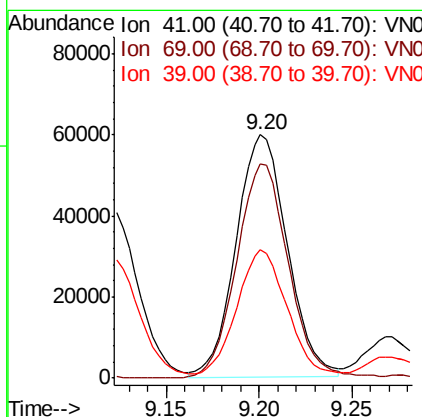
RT: 9.20 min Scan# 2367

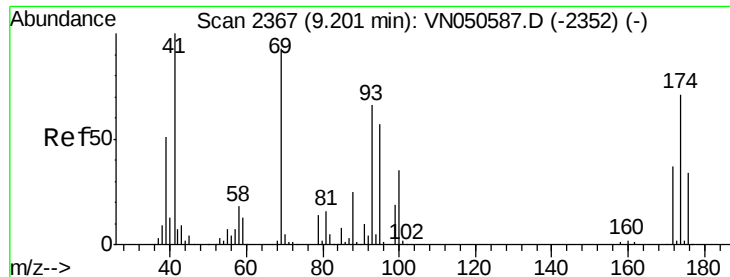
Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion:	41	Resp:	114806
Ion Ratio	Lower	Upper	
41	100		
69	89.5	73.4	110.0
39	52.6	43.0	64.6





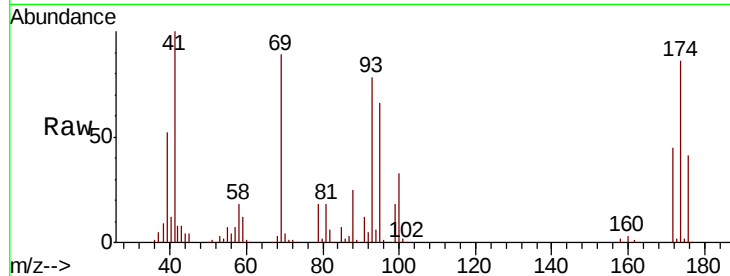
#49
1,4-Dioxane
Concen: 441.66 ug/l
RT: 9.20 min Scan# 2368
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
88	100		
43	31.4	25.9	38.9
58	72.9	56.5	84.7

Manual Integrations
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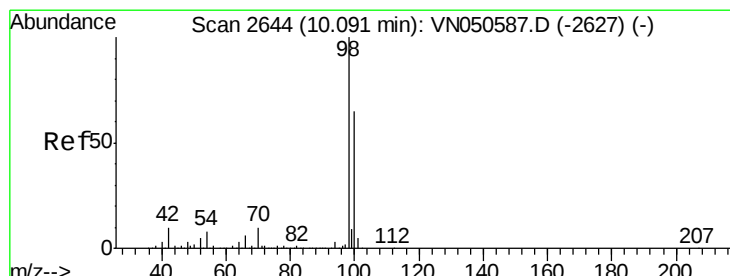
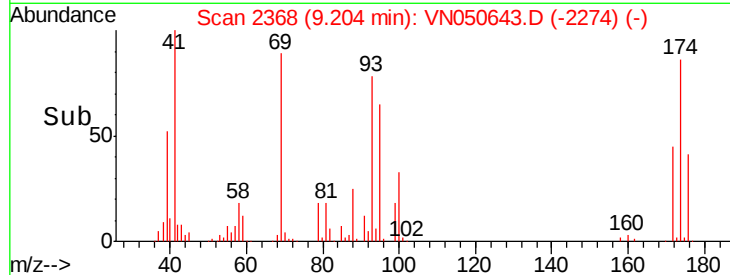
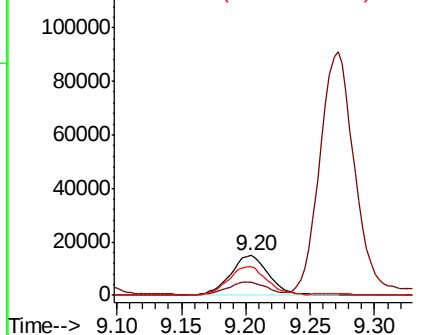


Abundance

Ion 88.00 (87.70 to 88.70): VN0

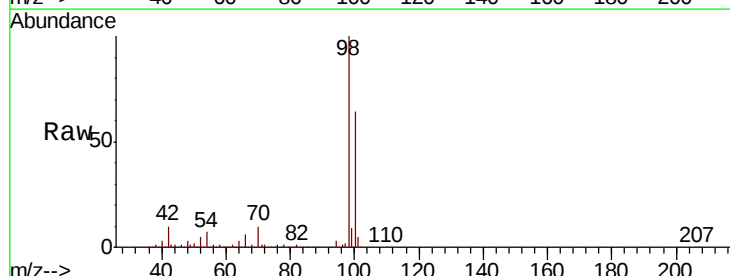
Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50
Toluene-d8
Concen: 51.93 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

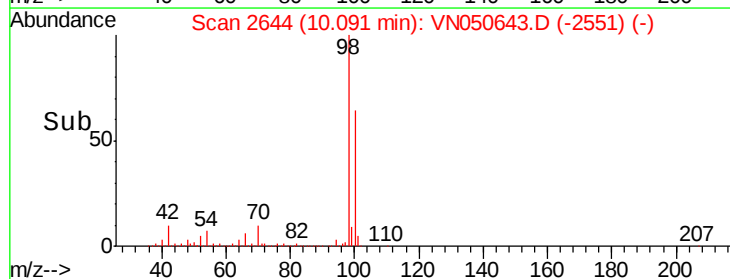
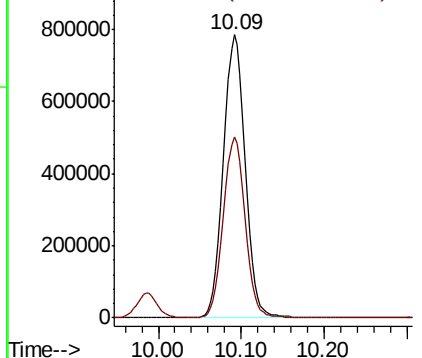
Tgt Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.8	77.8

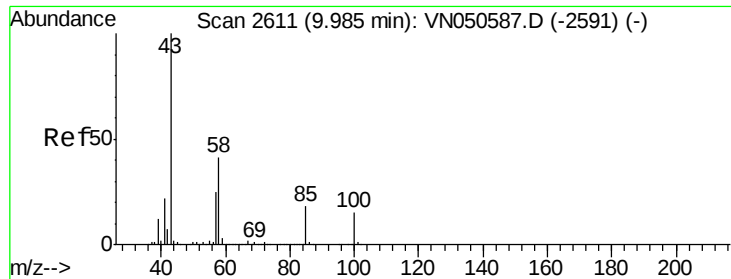


Abundance

Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





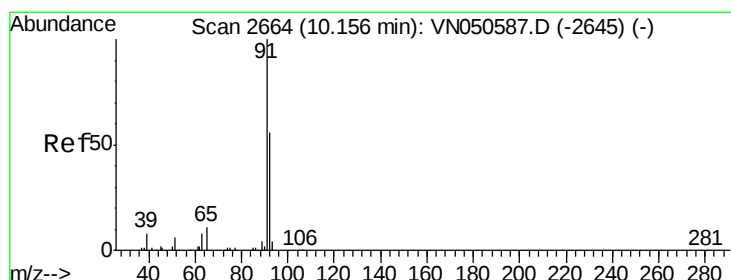
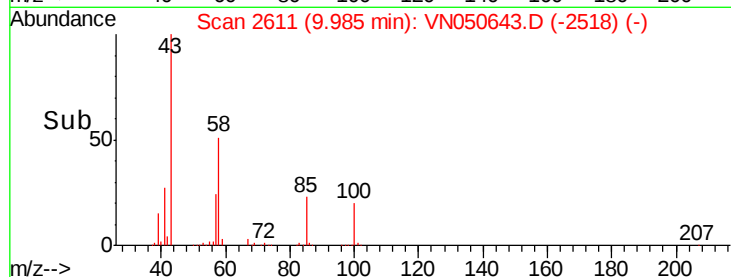
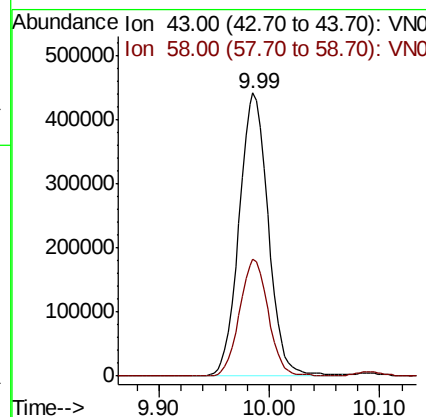
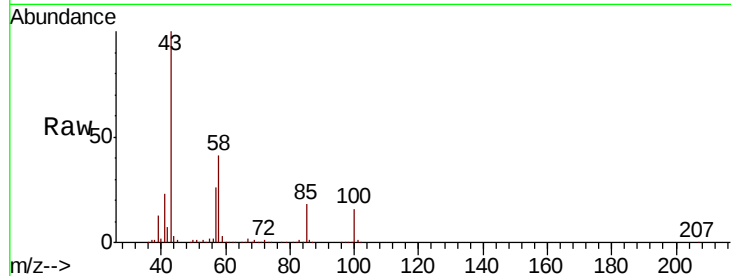
#51
4-Methyl-2-Pentanone
Concen: 112.96 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	40.7	32.5	48.7

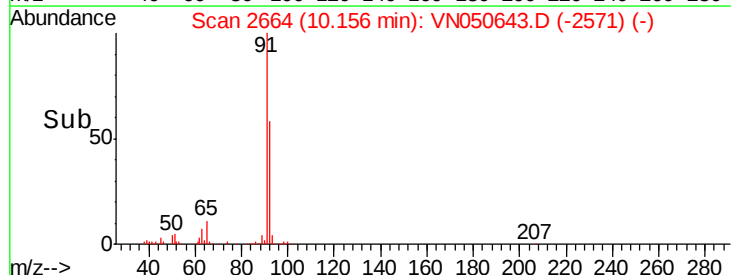
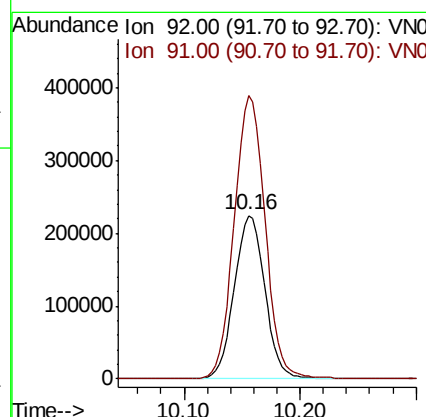
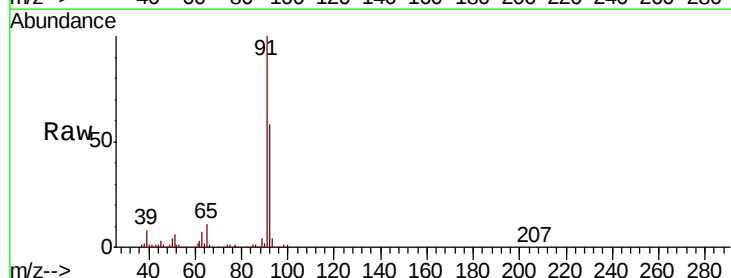
Manual Integrations
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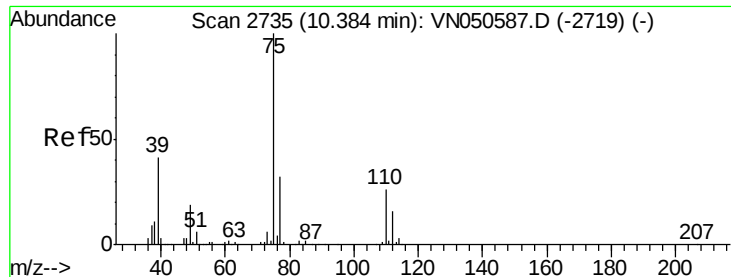
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#52
Toluene
Concen: 22.07 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
92	100		
91	175.2	141.9	212.9





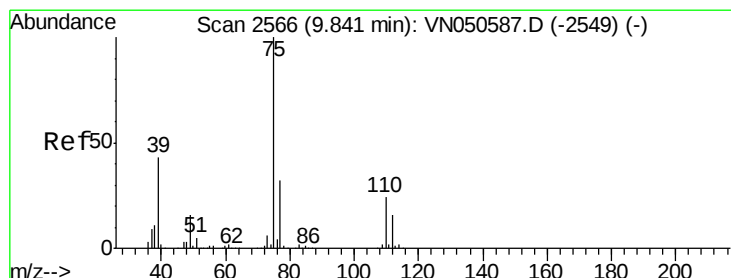
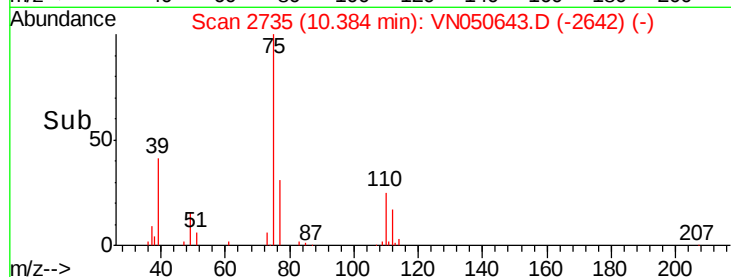
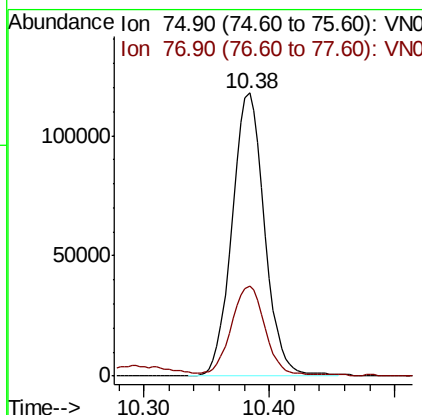
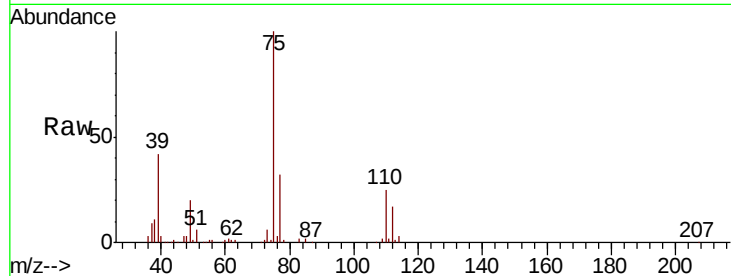
#53
t-1,3-Dichloropropene
Concen: 21.74 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
75	100		
77	31.2	25.8	38.6

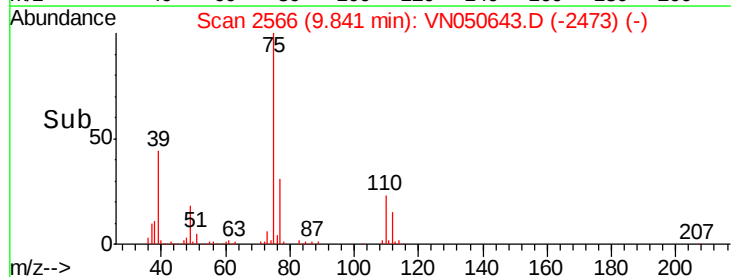
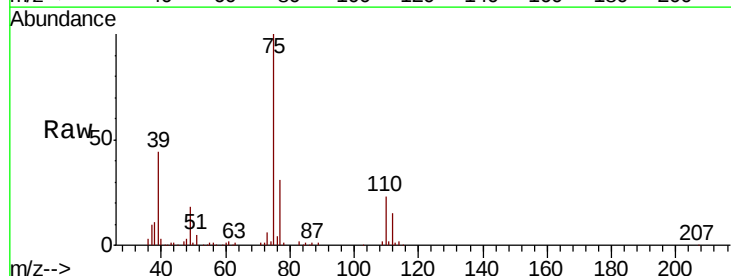
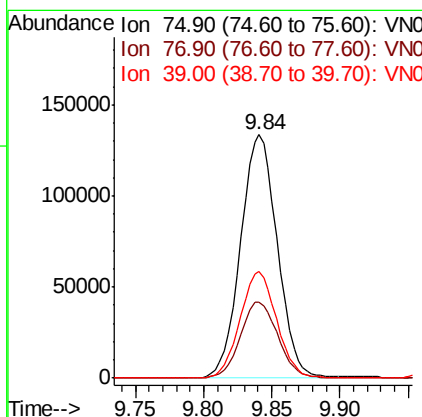
Manual Integrations
APPROVED

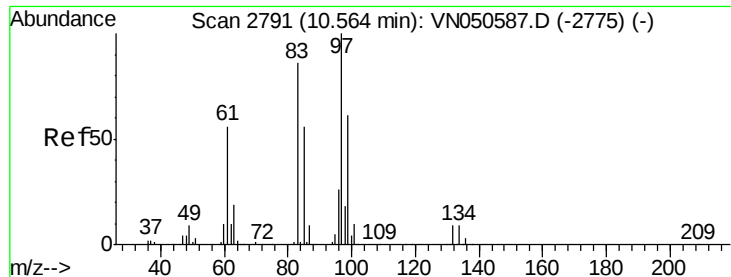
MMDadoda
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#54
cis-1,3-Dichloropropene
Concen: 22.30 ug/l
RT: 9.84 min Scan# 2566
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.3	25.6	38.4
39	43.8	34.4	51.6





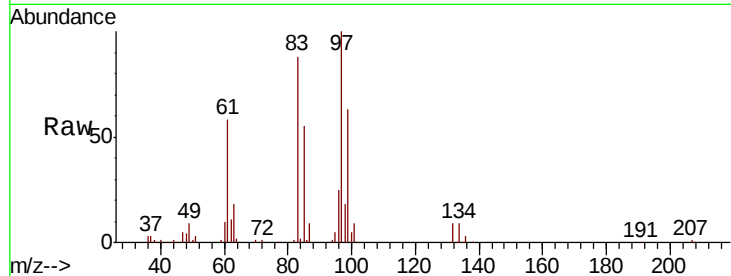
#55
 1,1,2-Trichloroethane
 Concen: 21.74 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
97	100		151326		
83	88.4	68.5	102.7		
85	55.3	44.6	66.8		
99	62.9	49.1	73.7		

Manual Integrations
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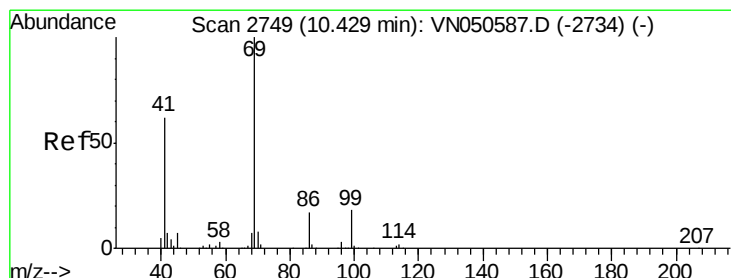
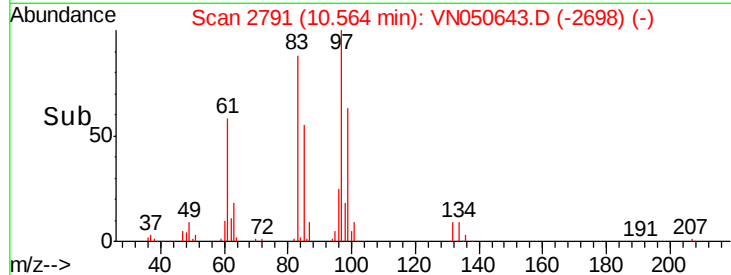
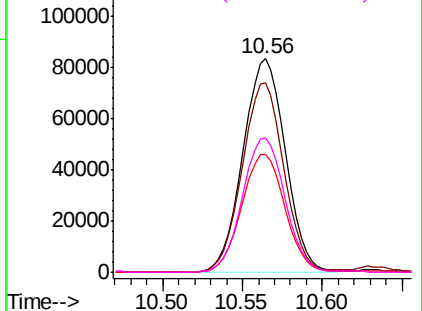
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

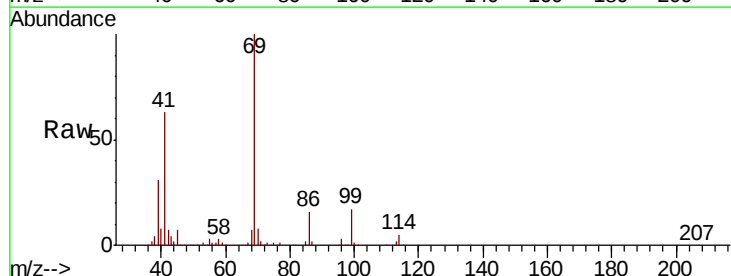
Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56
 Ethyl methacrylate
 Concen: 20.75 ug/l
 RT: 10.43 min Scan# 2749
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
69	100		173935		
41	62.8	49.7	74.5		
39	30.8	24.2	36.2		

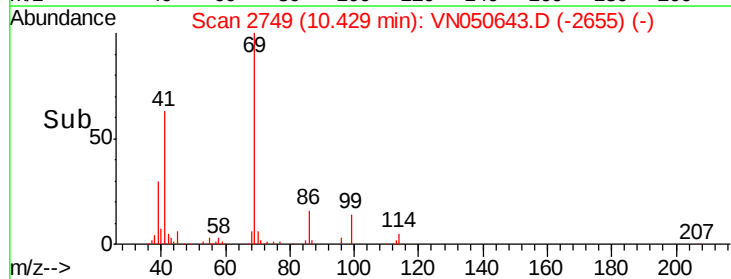
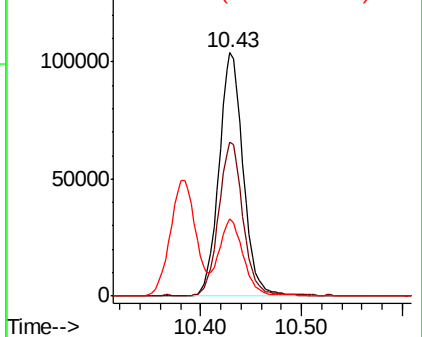


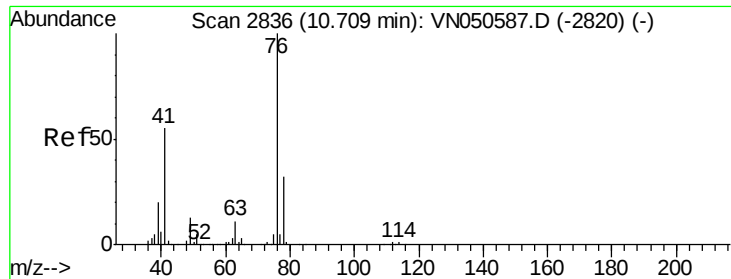
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 21.80 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 76 Resp: 248788

Ion Ratio Lower Upper

76 100

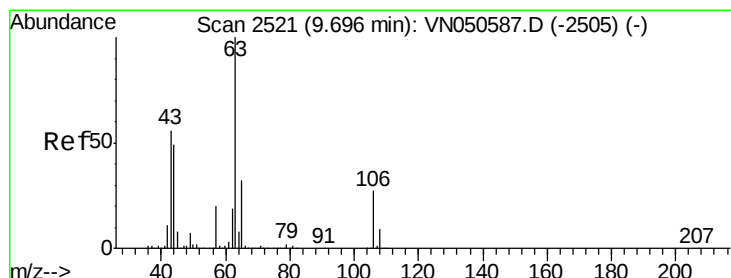
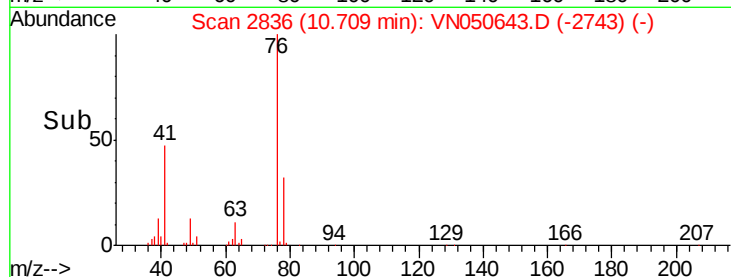
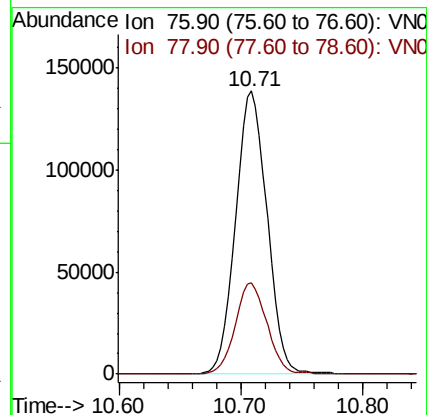
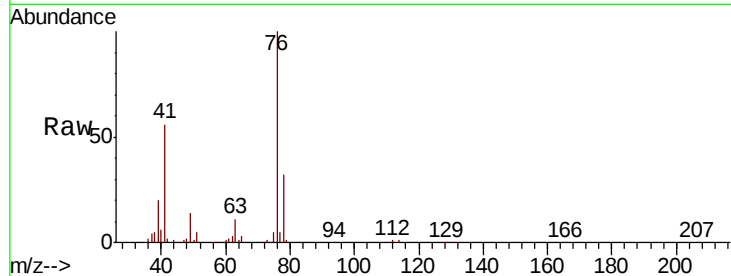
78 32.6 25.8 38.6

Manual Integrations

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#58

2-Chloroethyl Vinyl ether

Concen: 95.35 ug/l

RT: 9.70 min Scan# 2521

Delta R.T. 0.00 min

Lab File: VN050643.D

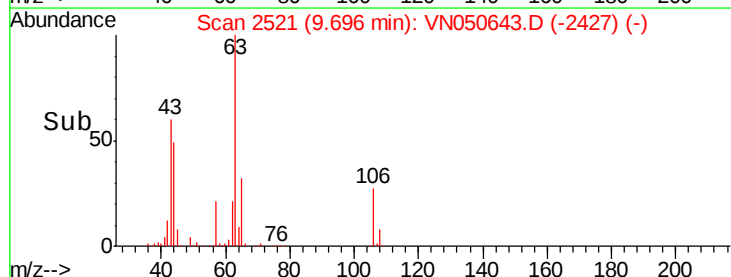
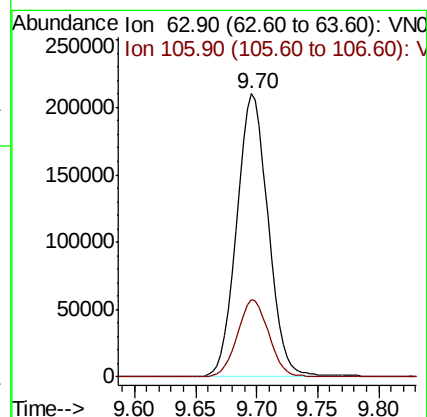
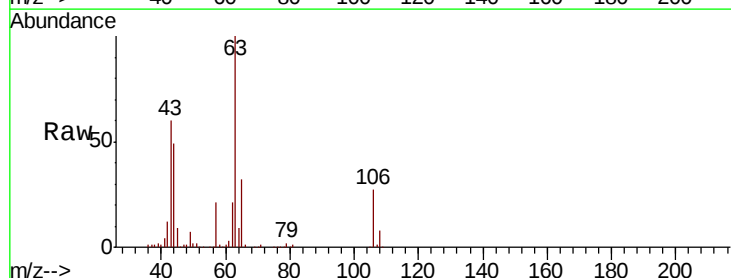
Acq: 15 Aug 2018 10:17

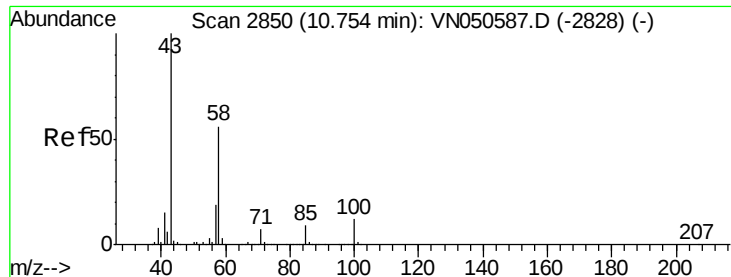
Tgt Ion: 63 Resp: 376897

Ion Ratio Lower Upper

63 100

106 27.2 21.7 32.5





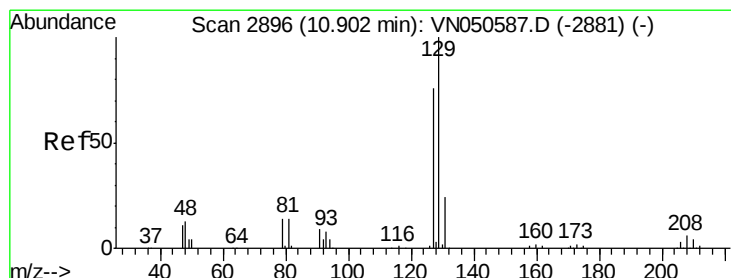
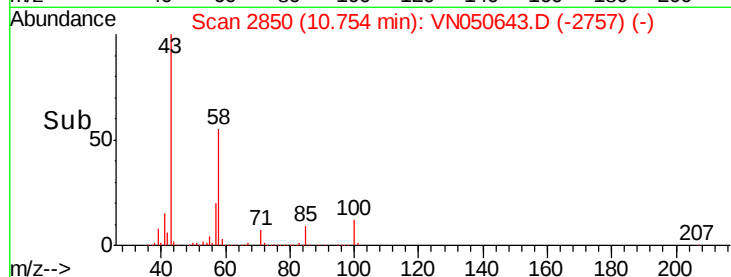
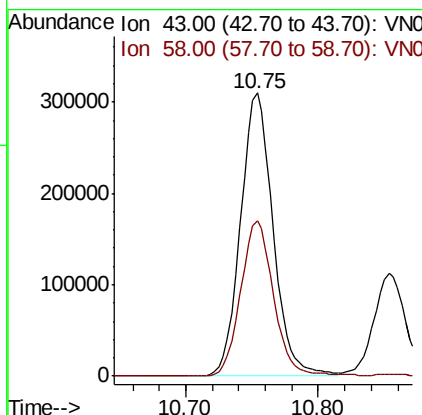
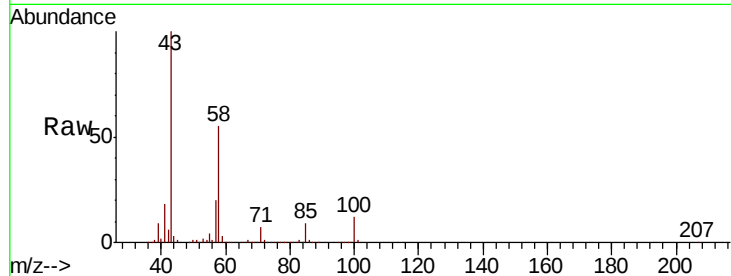
#59
2-Hexanone
Concen: 114.32 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
43	100		
58	55.7	28.0	84.0

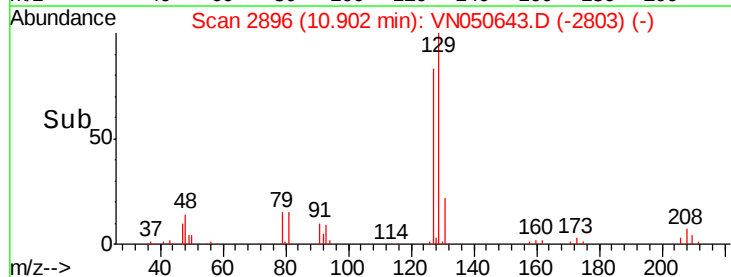
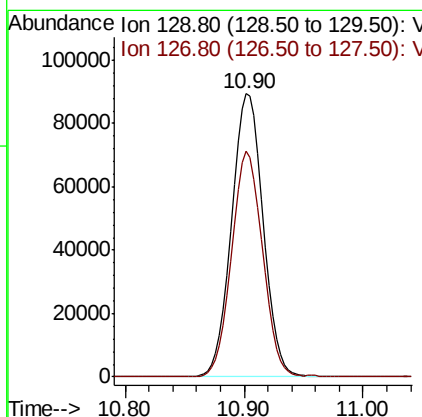
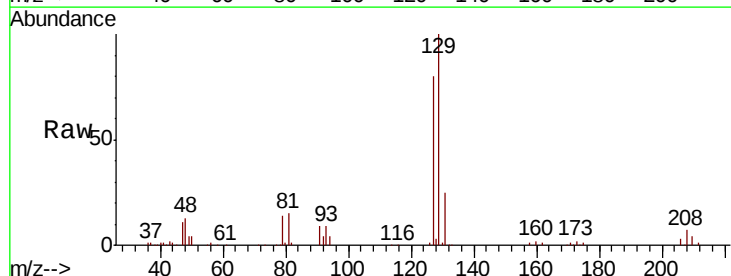
Manual Integrations
APPROVED

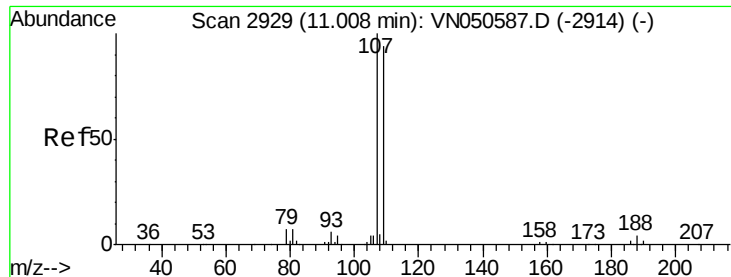
MMDadoda
8/16/2018 1:18:32 PM



#60
Dibromochloromethane
Concen: 21.40 ug/l
RT: 10.90 min Scan# 2896
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
129	100		
127	78.2	38.9	116.7





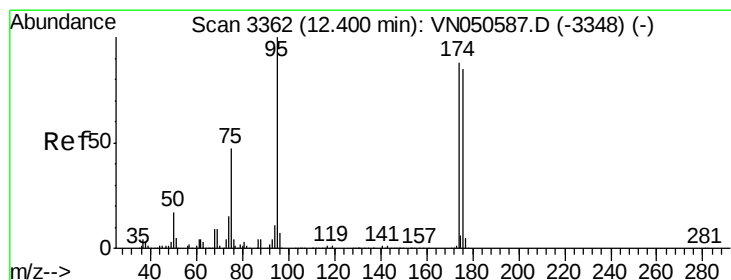
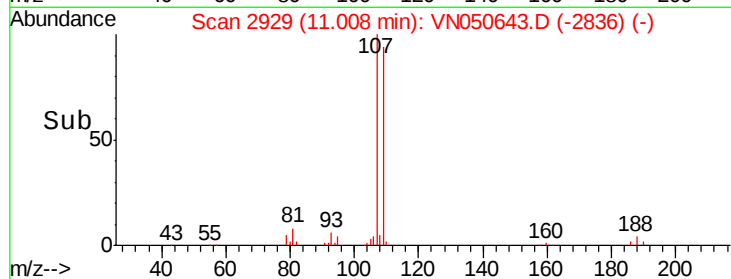
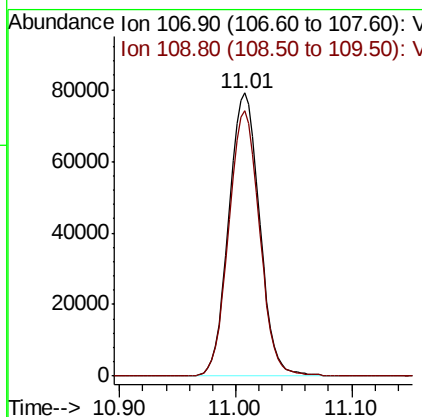
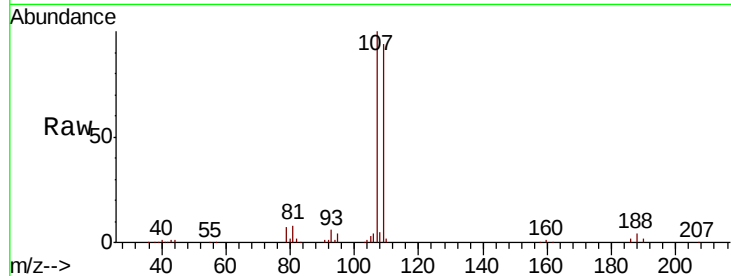
#61
 1,2-Dibromoethane
 Concen: 21.90 ug/l
 RT: 11.01 min Scan# 2929
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	75.7	113.5

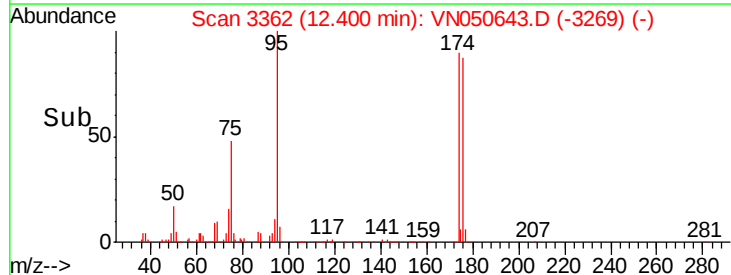
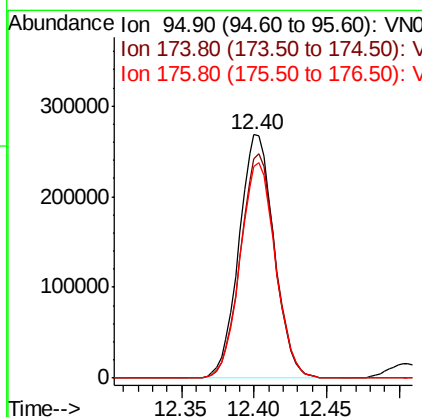
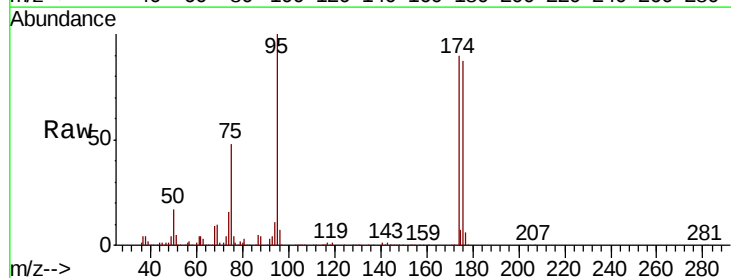
Manual Integrations
 APPROVED

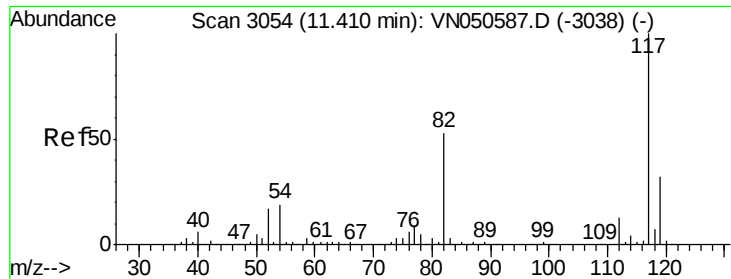
MMDadoda
 8/16/2018 1:18:32 PM



#62
 4-Bromofluorobenzene
 Concen: 49.44 ug/l
 RT: 12.40 min Scan# 3362
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
95	100		
174	91.5	0.0	177.8
176	88.6	0.0	175.0





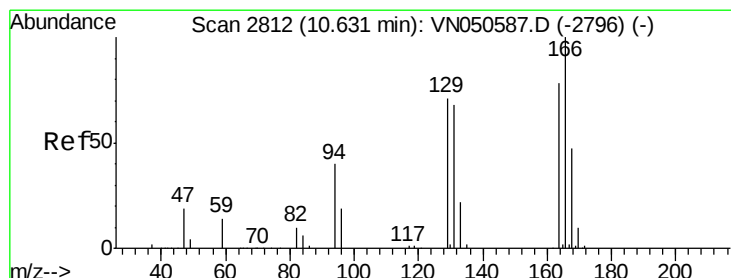
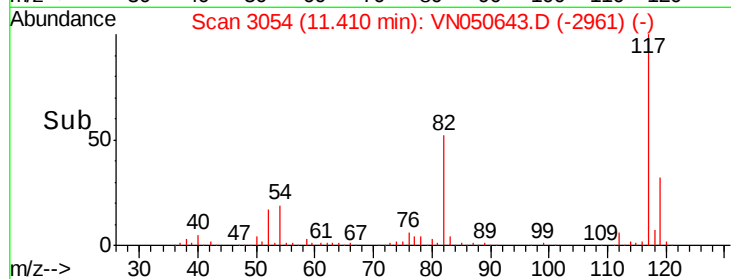
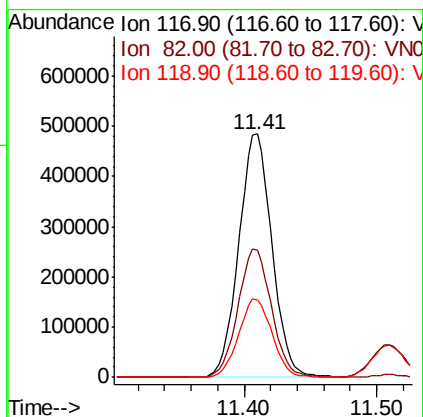
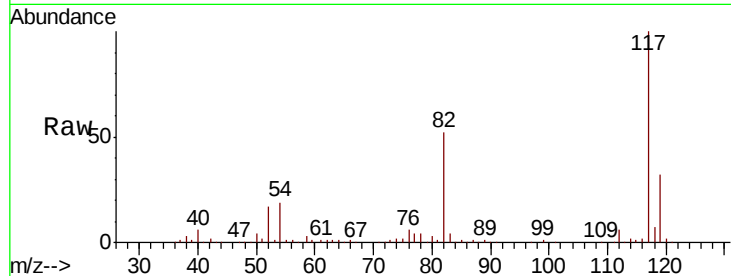
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
117	100		
82	52.2	42.4	63.6
119	31.9	25.8	38.8

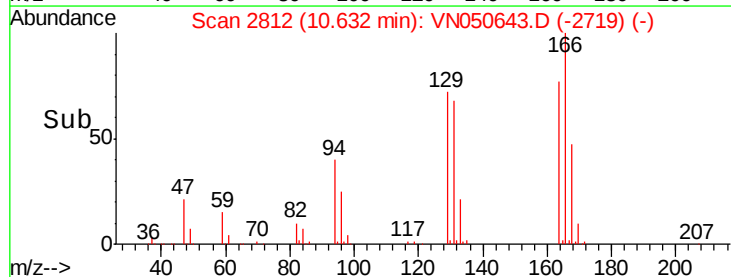
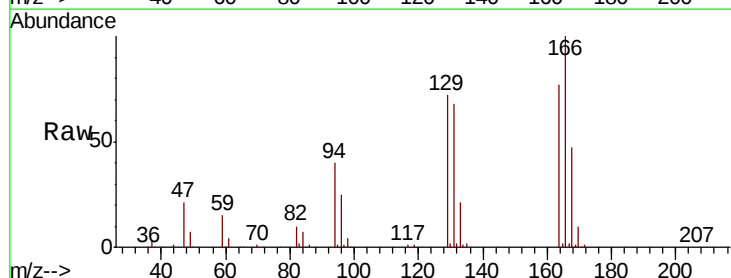
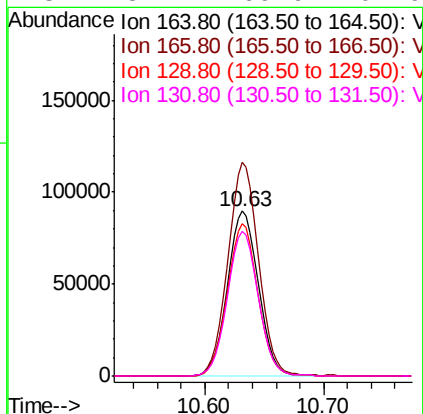
Manual Integrations
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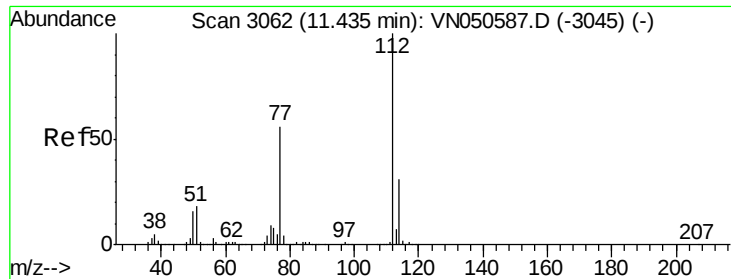
MMDadoda
8/16/2018 1:18:32 PM



#64
Tetrachloroethene
Concen: 20.72 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.5	102.1	153.1
129	92.6	72.7	109.1
131	87.7	69.9	104.9





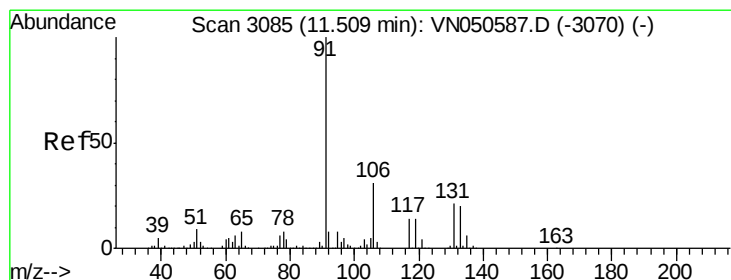
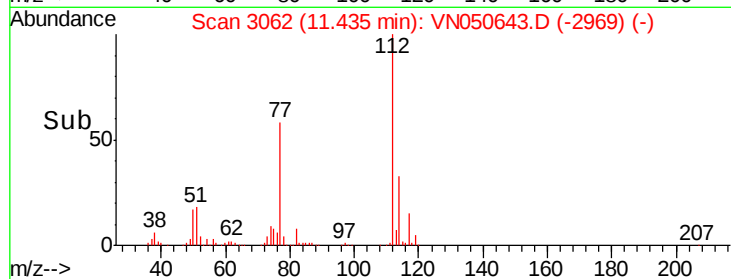
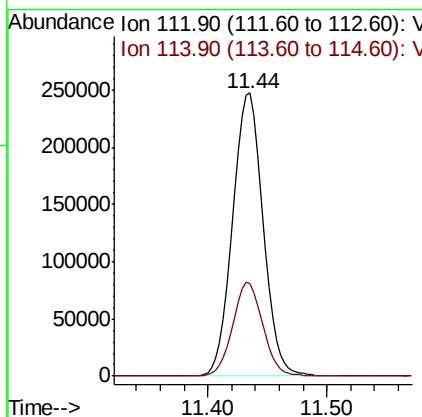
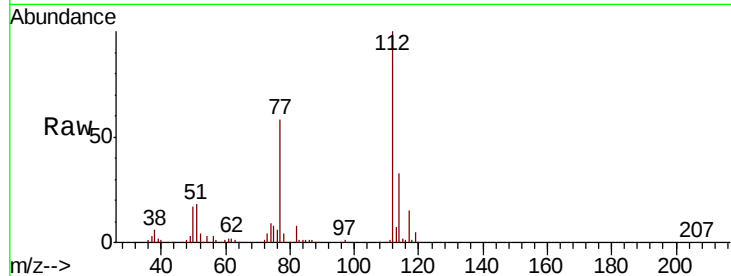
#65
Chlorobenzene
Concen: 21.00 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
112	100		
114	32.6	25.2	37.8

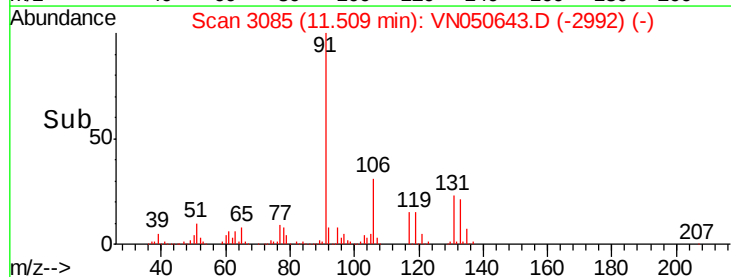
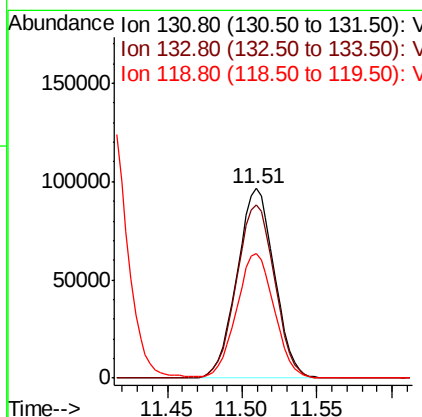
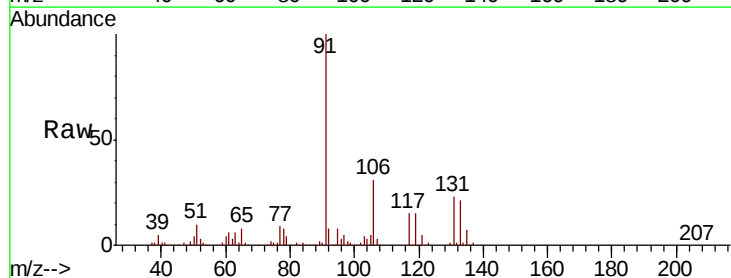
Manual Integrations
APPROVED

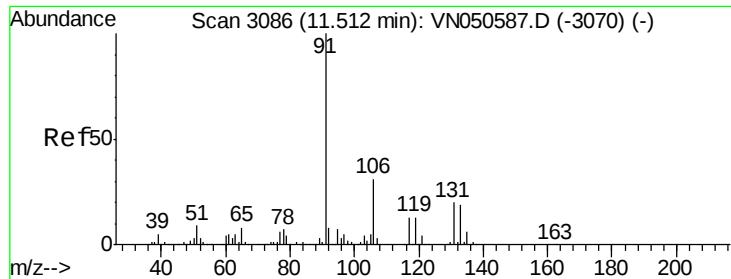
MMDadoda
8/16/2018 1:18:32 PM



#66
1,1,1,2-Tetrachloroethane
Concen: 21.37 ug/l
RT: 11.51 min Scan# 3085
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
131	100		
133	93.5	47.6	142.9
119	66.3	33.1	99.3





#67

Ethyl Benzene

Concen: 21.54 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

VN0815WBSD01

Tot Ion: 91 Resp: 729092

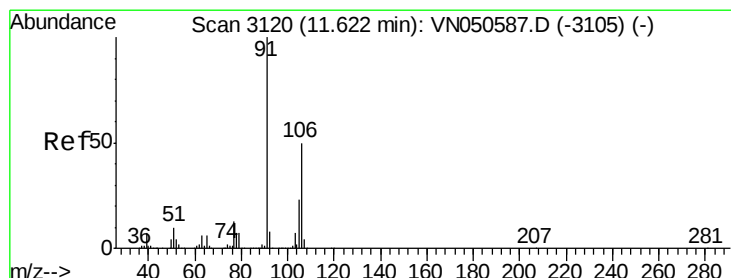
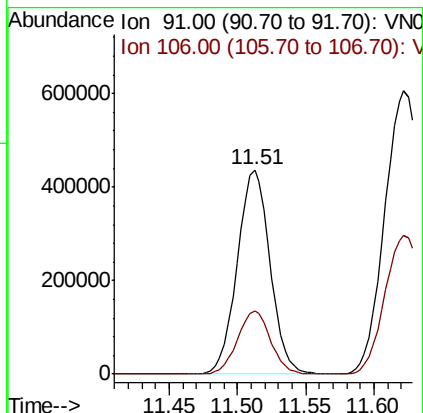
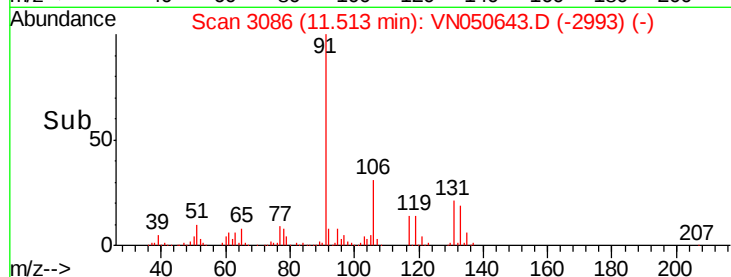
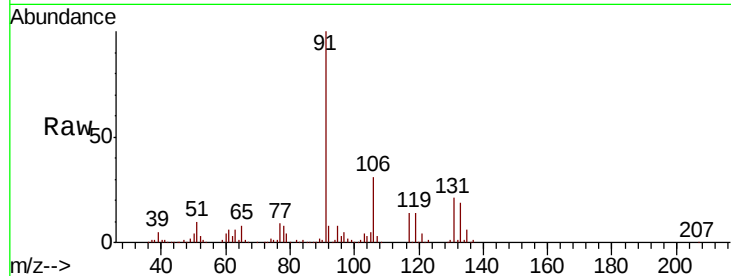
Ion Ratio Lower Upper

91 100

106 30.9 24.8 37.2

Manual Integrations
APPROVED

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8/16/2018 1:18:32 PM



#68

m/p-Xylenes

Concen: 44.36 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. 0.00 min

Lab File: VN050643.D

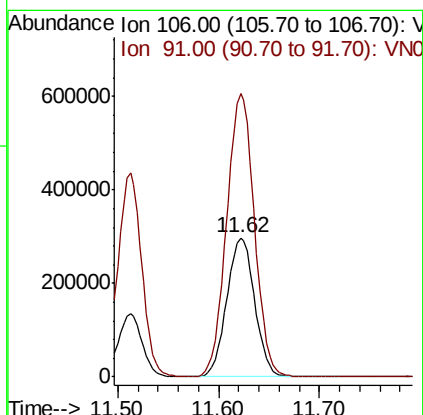
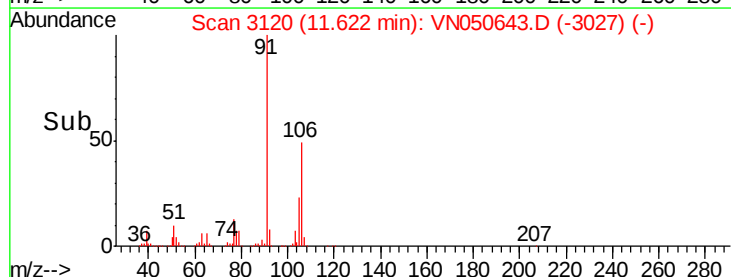
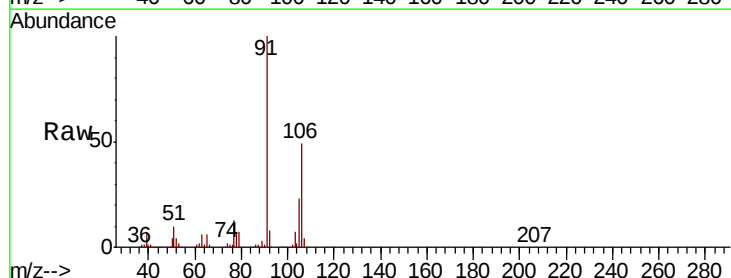
Acq: 15 Aug 2018 10:17

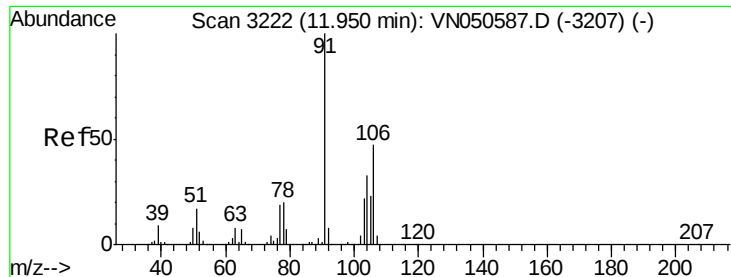
Tgt Ion: 106 Resp: 574357

Ion Ratio Lower Upper

106 100

91 202.0 161.5 242.3





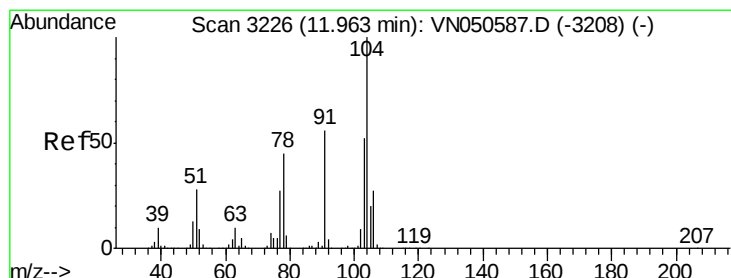
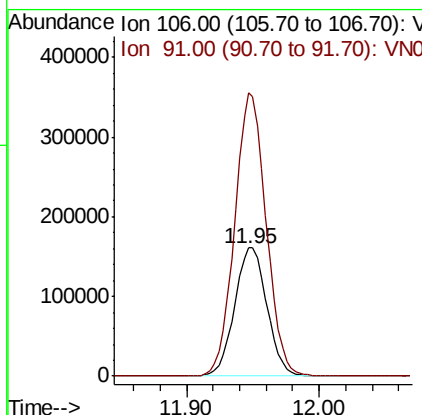
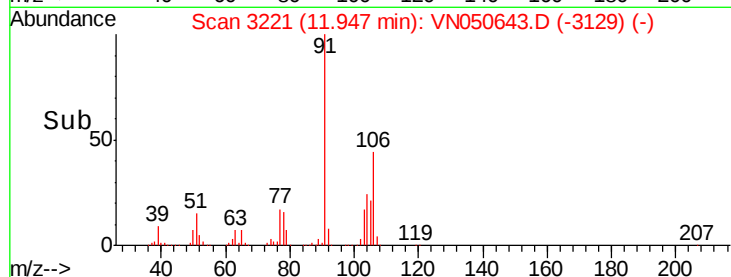
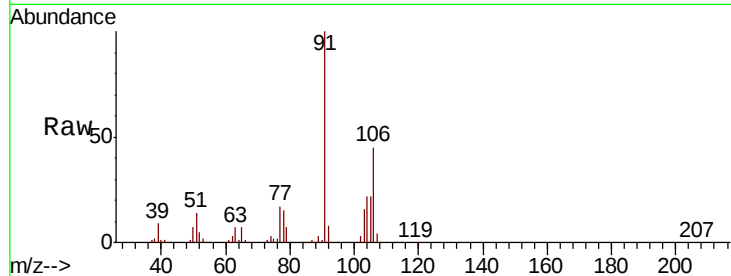
#69
o-Xylene
Concen: 22.05 ug/l
RT: 11.95 min Scan# 3221
Delta R.T. -0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampled :
VN0815WBSD01

Tot Ion	Ion	Ratio	Resp	Lower	Upper
106	106	100	272270		
91	91	214.6	106.8	320.4	

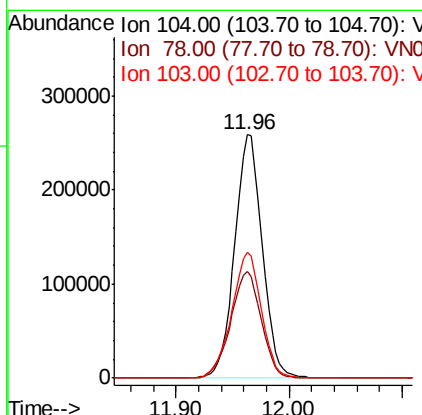
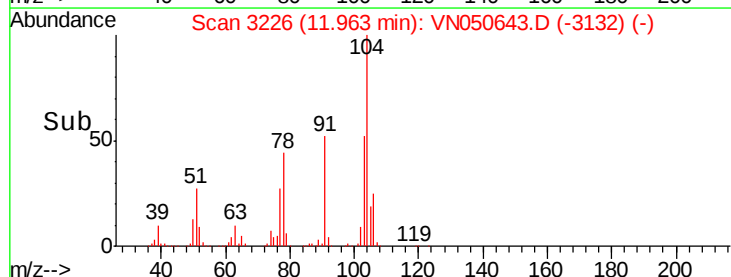
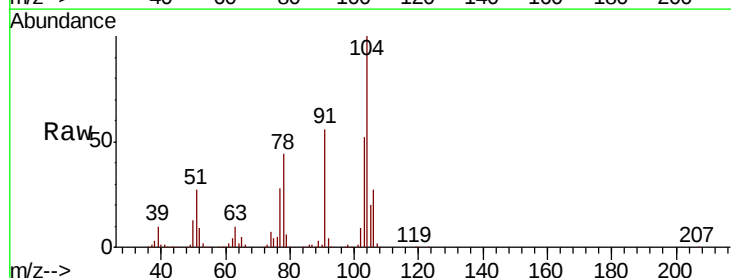
Manual Integrations
APPROVED

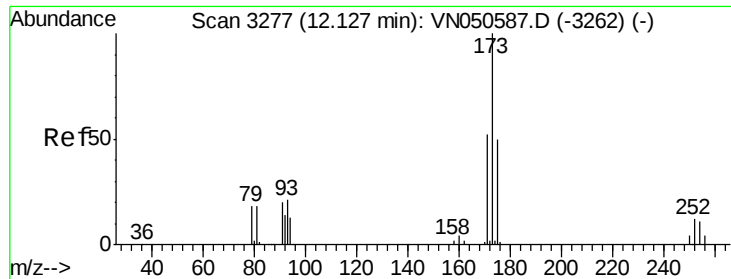
MMDadoda
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#70
Styrene
Concen: 20.63 ug/l
RT: 11.96 min Scan# 3226
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
104	104	100	440502		
78	78	48.6	39.1	58.7	
103	103	55.5	44.9	67.3	





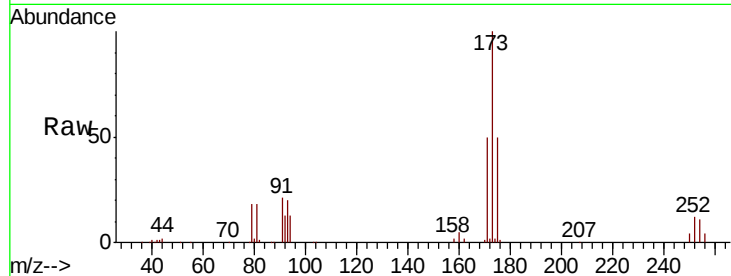
#71
Bromoform
Concen: 21.43 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
173	100		
175	49.3	24.4	73.2
254	0.0	0.0	0.0

Manual Integrations
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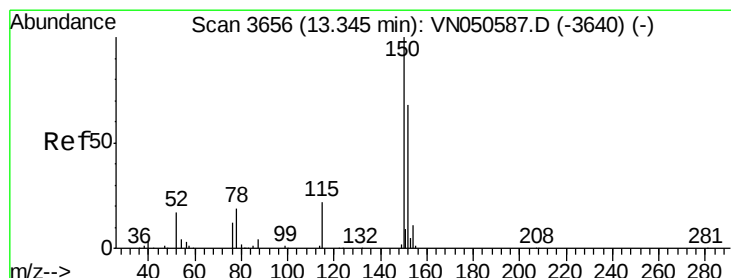
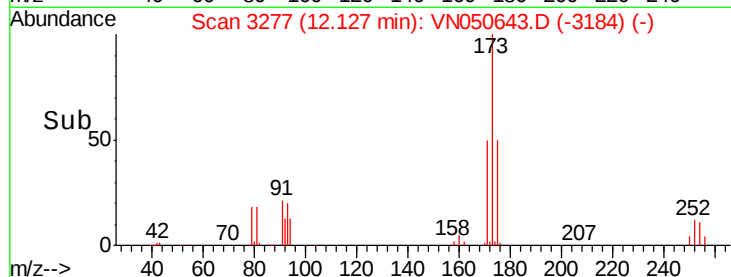
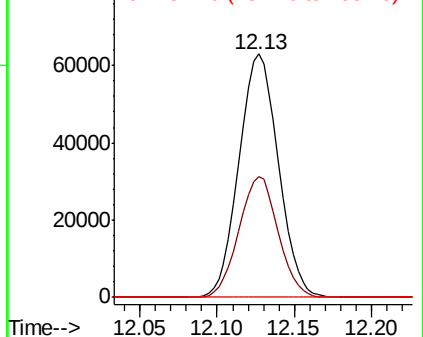


Abundance

Ion 172.70 (172.40 to 173.40): V

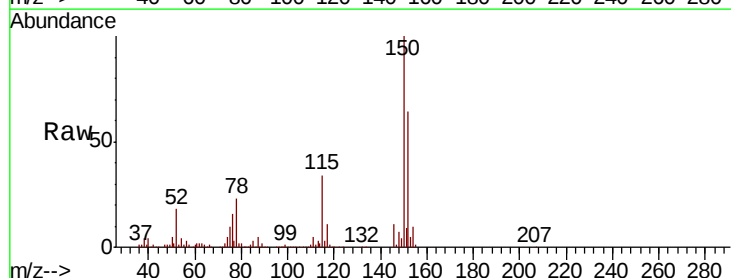
Ion 174.70 (174.40 to 175.40): V

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: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
152	100		
115	55.9	28.1	84.2
150	164.9	0.0	347.8

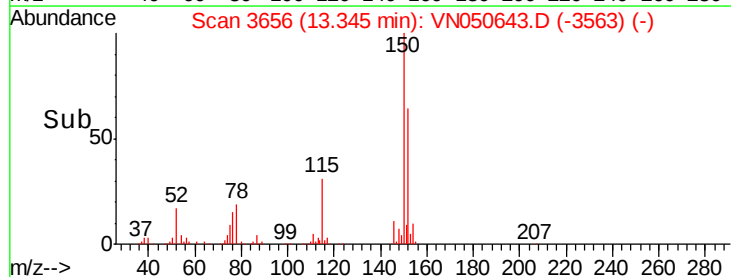
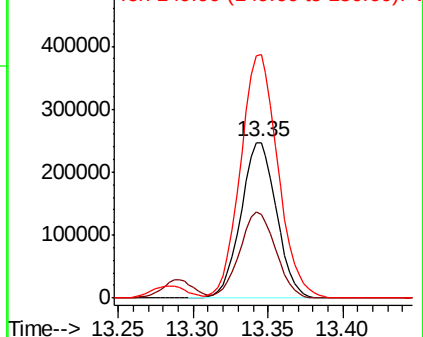


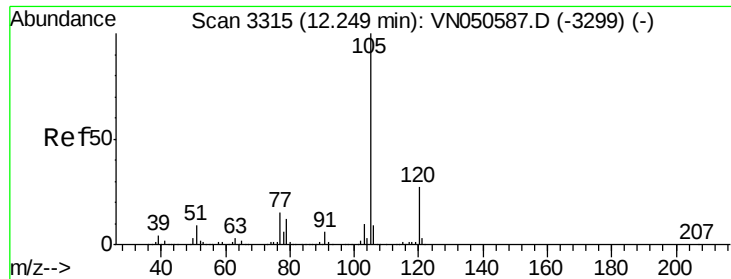
Abundance

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: 22.24 ug/l

RT: 12.25 min Scan# 3315

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion:105 Resp: 709623

Ion Ratio Lower Upper

105 100

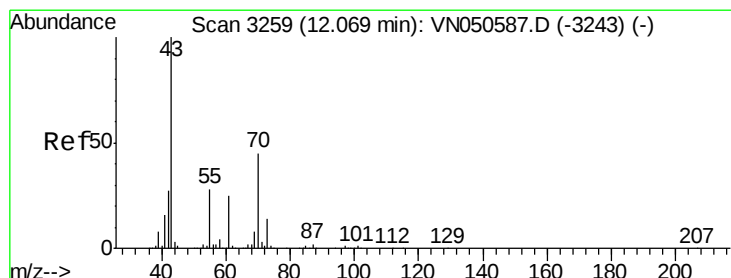
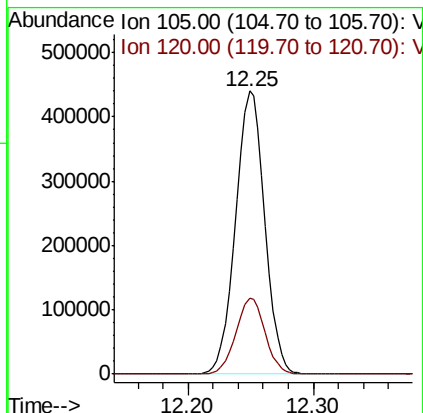
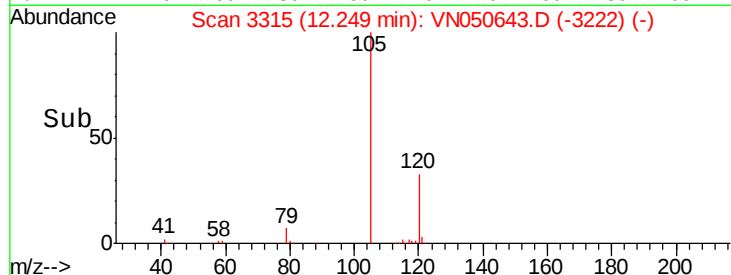
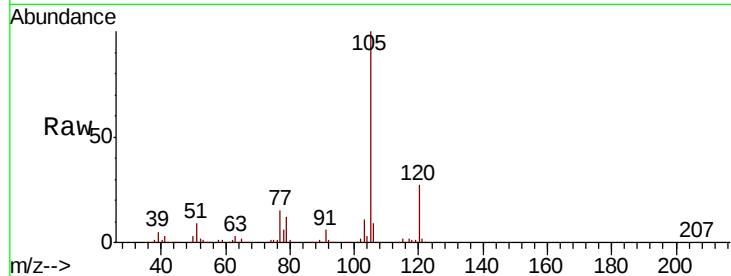
120 26.9 13.4 40.1

Manual Integrations

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#74

N-ethyl acetate

Concen: 21.80 ug/l

RT: 12.07 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Tgt Ion: 43 Resp: 180953

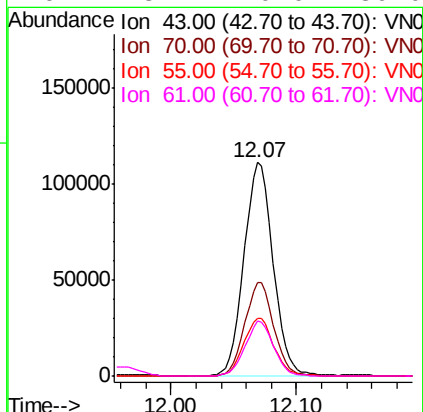
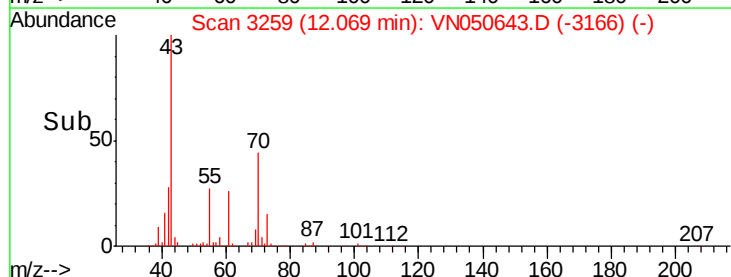
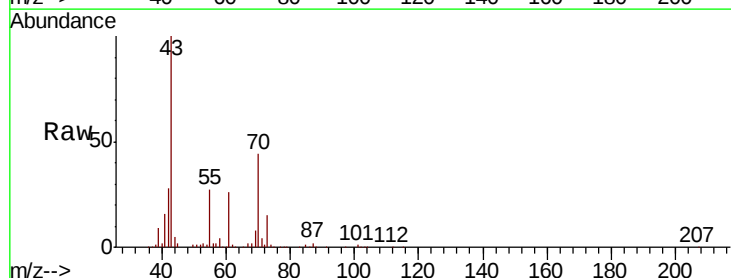
Ion Ratio Lower Upper

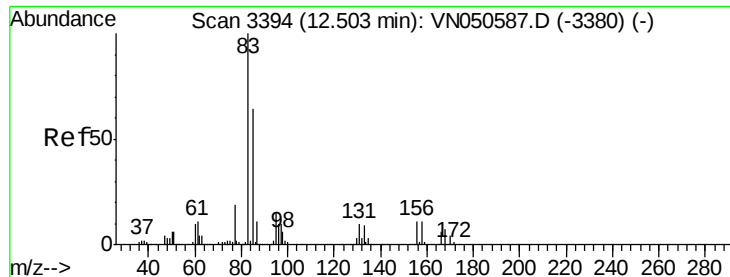
43 100

70 43.3 35.9 53.9

55 27.6 22.2 33.4

61 25.1 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.70 ug/l

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

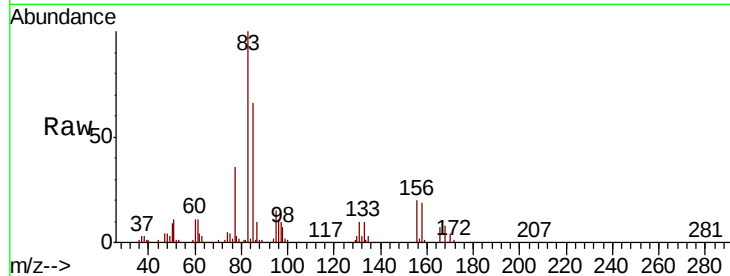
ClientSampleId :

VN0815WBSD01

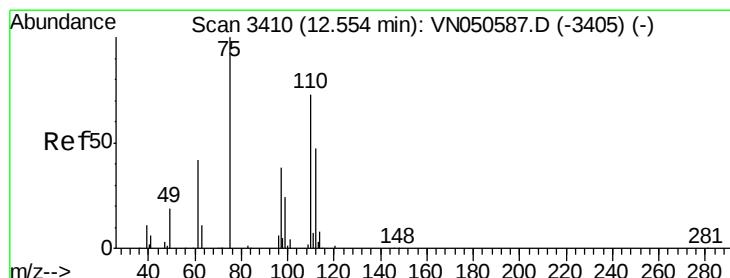
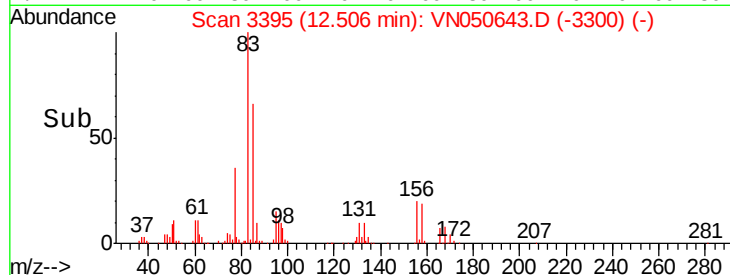
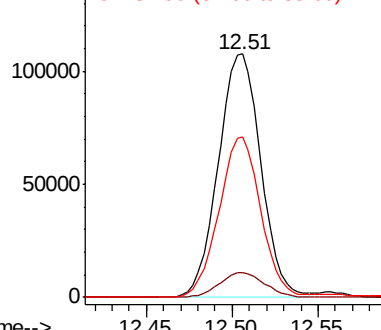
Tot Ion:	83	Resp:	184596
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.3	15.9
85	64.9	32.1	96.5

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



#76

1,2,3-Trichloropropane

Concen: 21.34 ug/l m

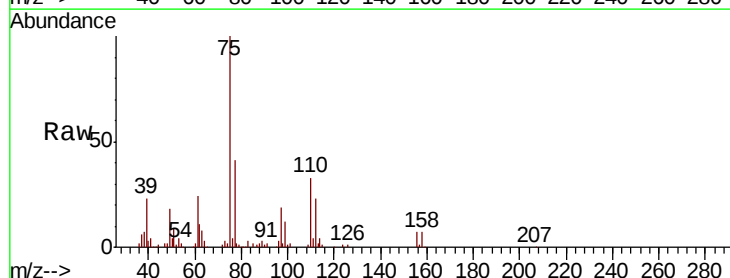
RT: 12.55 min Scan# 3410

Delta R.T. 0.00 min

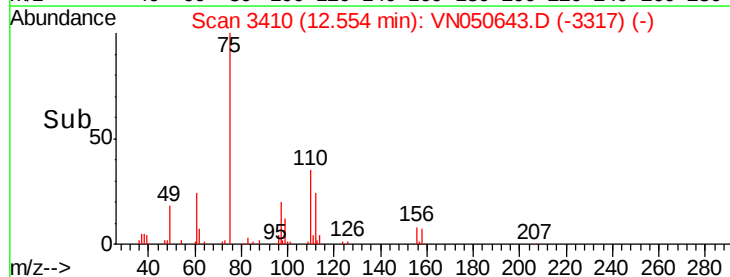
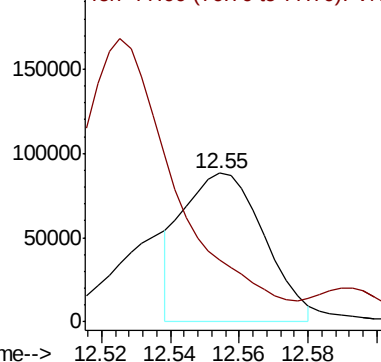
Lab File: VN050643.D

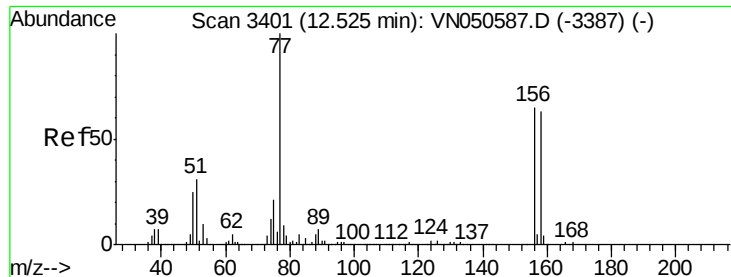
Acq: 15 Aug 2018 10:17

Tgt Ion:	75	Resp:	144643
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: 21.40 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

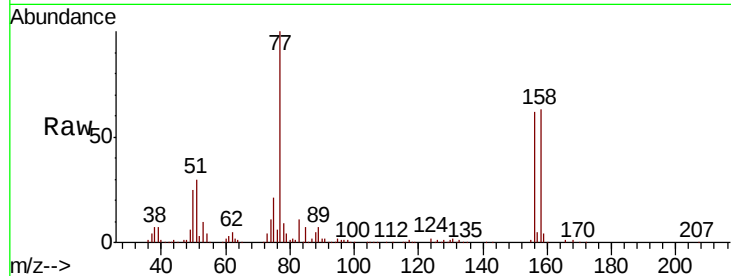
ClientSampleId :

VN0815WBSD01

Tot Ion:	156	Resp:	185372
Ion Ratio	Lower	Upper	
156	100		
77	182.9	89.0	267.1
158	97.6	48.5	145.6

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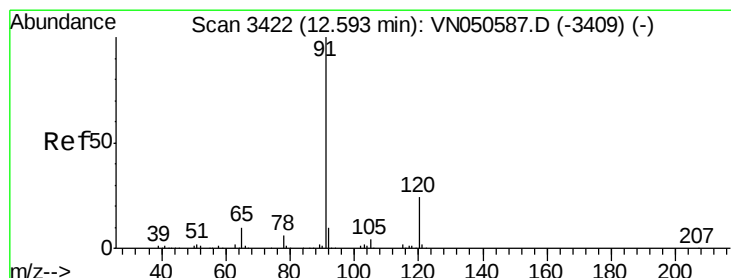
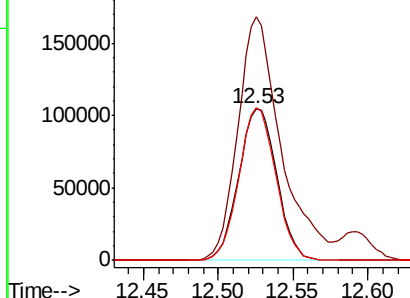
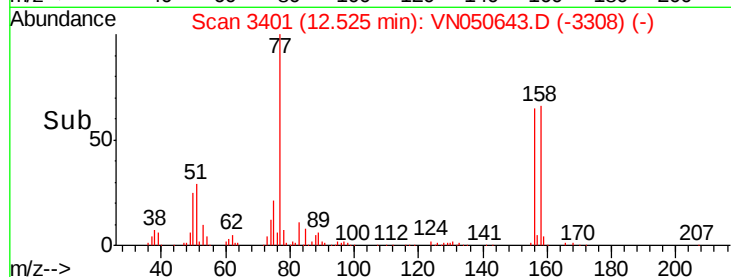
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Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.77 ug/l

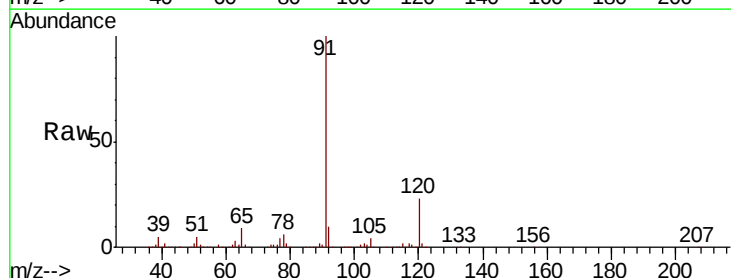
RT: 12.59 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN050643.D

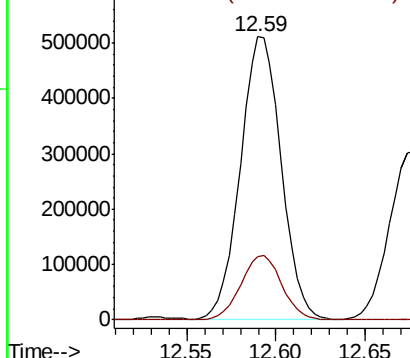
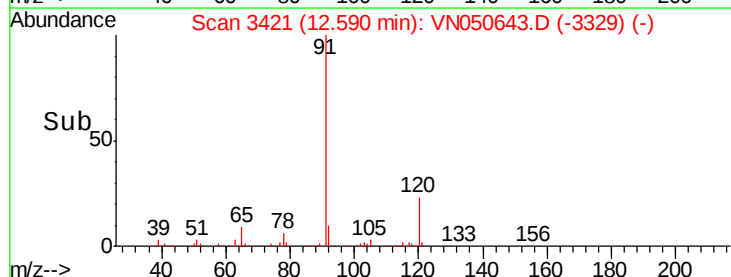
Acq: 15 Aug 2018 10:17

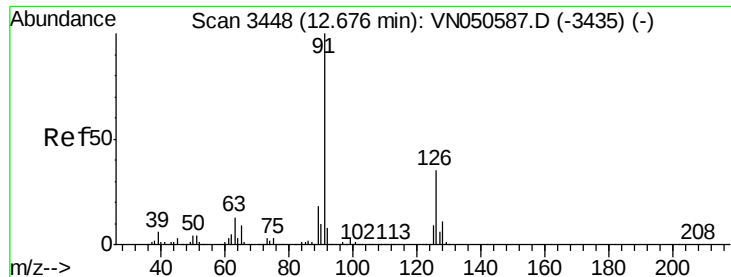
Tgt Ion:	91	Resp:	810145
Ion Ratio	Lower	Upper	
91	100		
120	23.1	11.8	35.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.31 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampled :

VN0815WBSD01

Tot Ion: 91 Resp: 494878

Ion Ratio Lower Upper

91 100

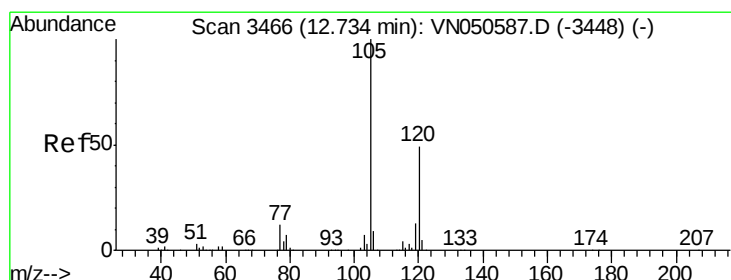
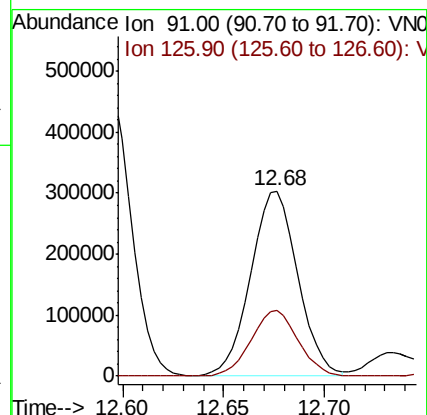
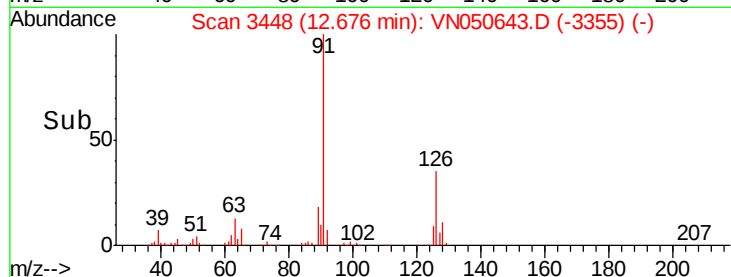
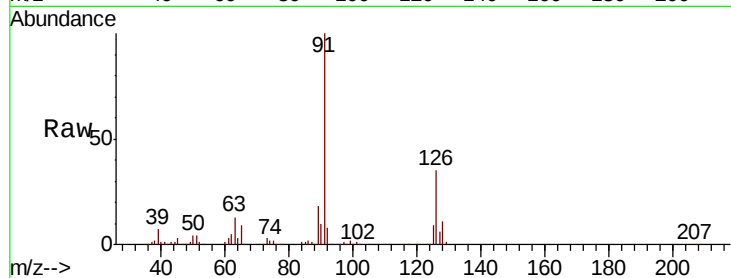
126 35.6 17.6 52.8

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#80

1,3,5-Trimethylbenzene

Concen: 23.03 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050643.D

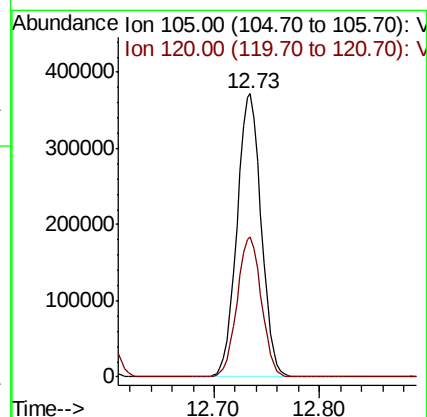
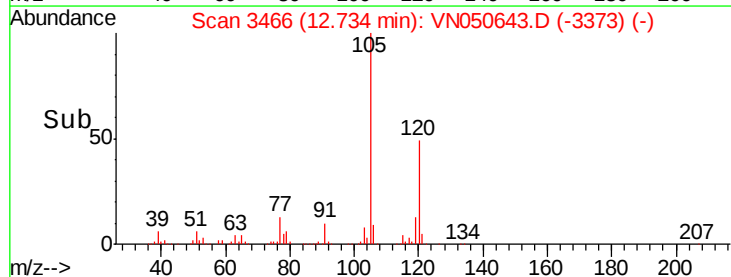
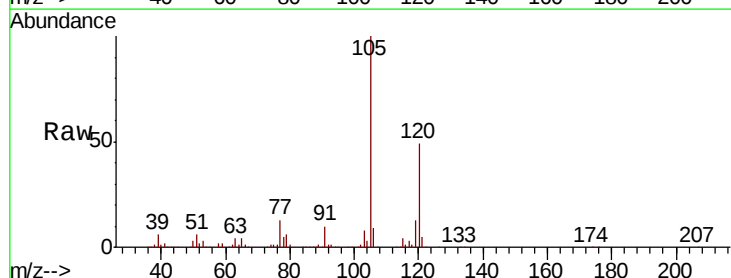
Acq: 15 Aug 2018 10:17

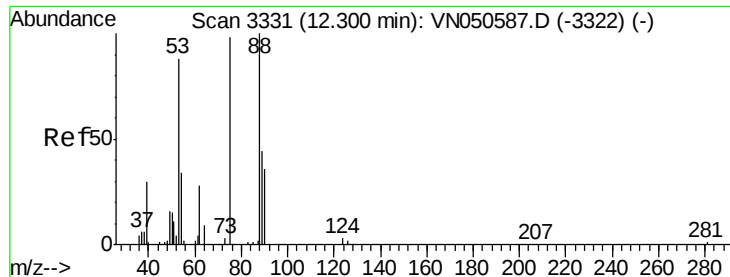
Tgt Ion: 105 Resp: 588222

Ion Ratio Lower Upper

105 100

120 49.6 24.7 74.1





#81

trans-1,4-Dichloro-2-butene

Concen: 23.08 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion: 75 Resp: 42385

Ion Ratio Lower Upper

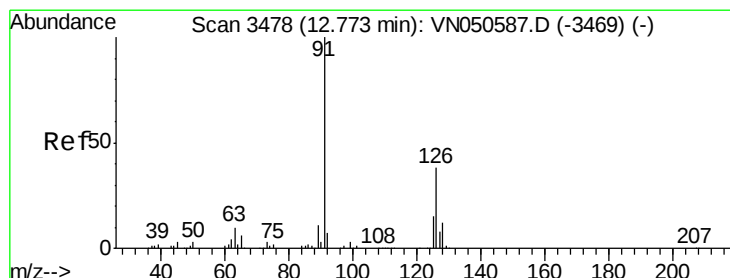
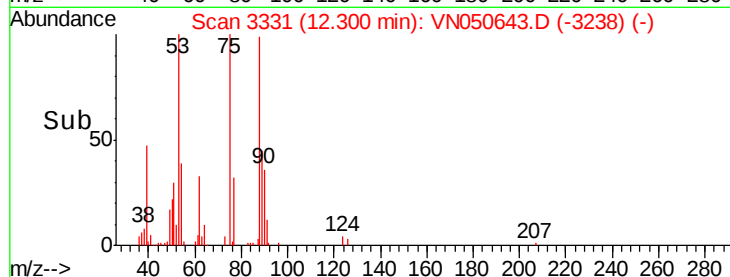
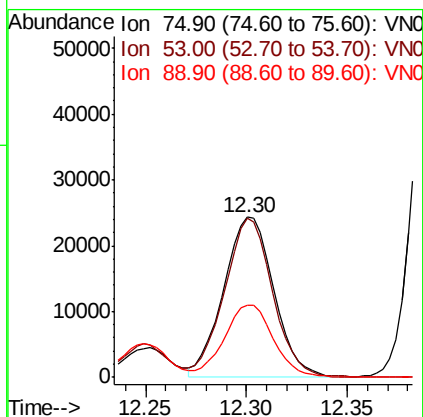
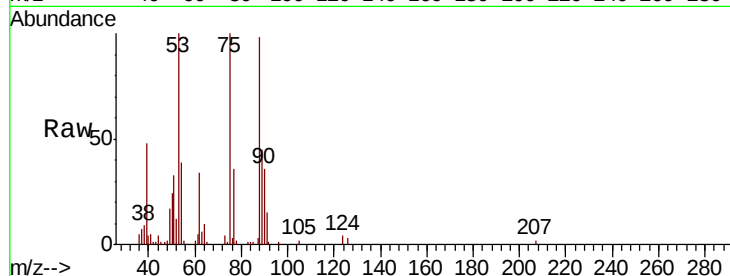
75 100

53 95.7 72.2 108.2

89 44.4 36.3 54.5

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#82

4-Chlorotoluene

Concen: 22.61 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. 0.00 min

Lab File: VN050643.D

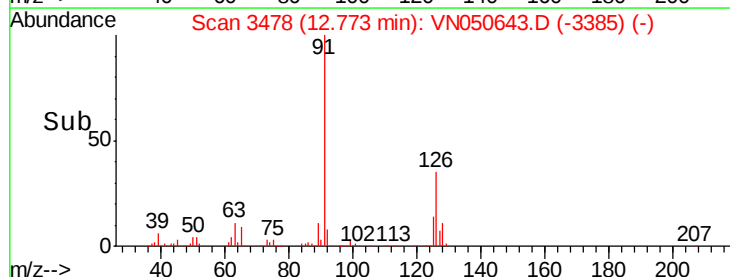
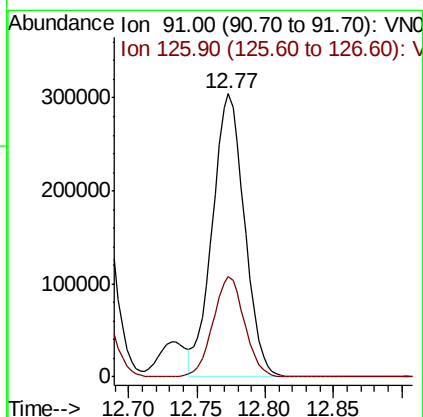
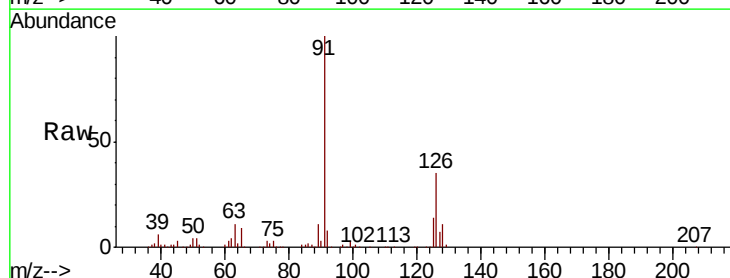
Acq: 15 Aug 2018 10:17

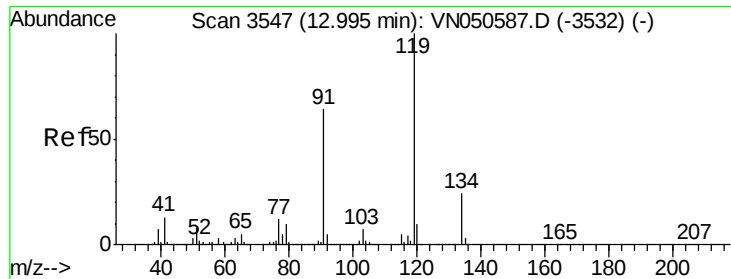
Tgt Ion: 91 Resp: 495527

Ion Ratio Lower Upper

91 100

126 34.8 17.3 52.0





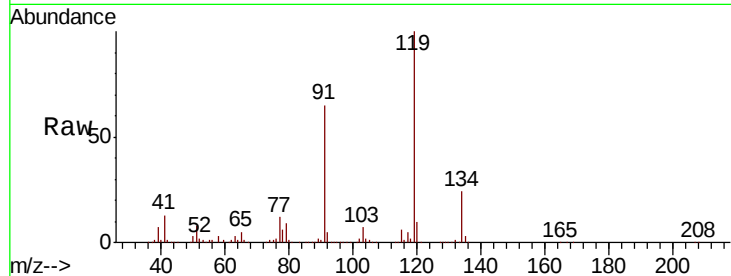
#83
 tert-Butylbenzene
 Concen: 22.00 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

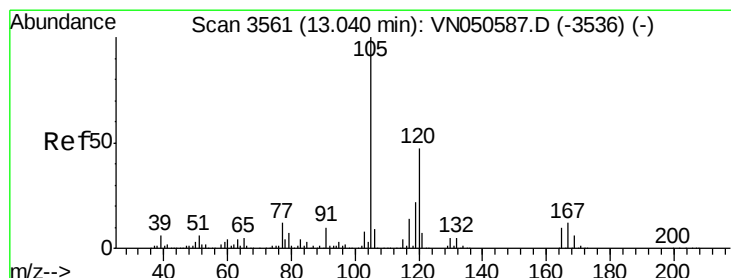
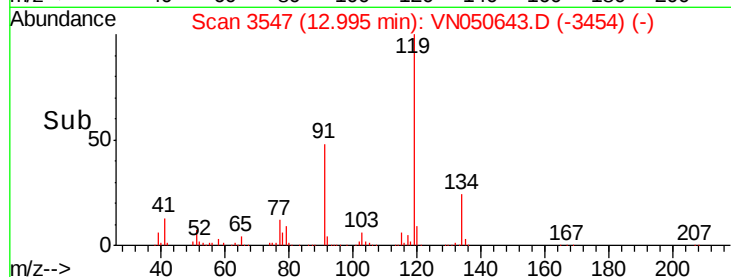
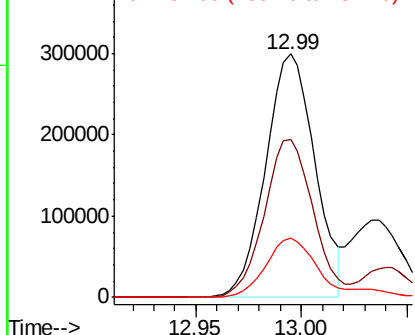
Tot Ion	Ratio	Resp	Lower	Upper
119	100	487769		
91	64.7		32.2	96.6
134	24.9		13.4	40.2

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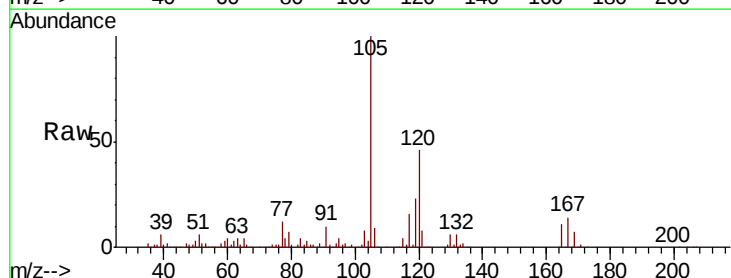


Abundance Ion 119.00 (118.70 to 119.70): V
 Ion 91.00 (90.70 to 91.70): V
 Ion 134.00 (133.70 to 134.70): V

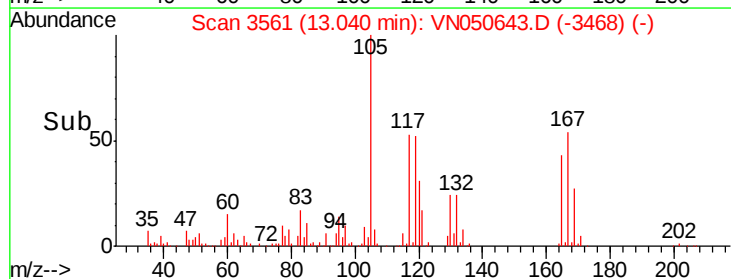
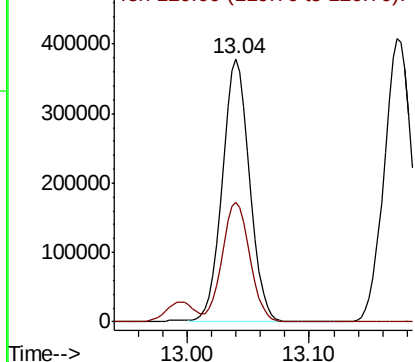


#84
 1,2,4-Trimethylbenzene
 Concen: 23.18 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	594397		
120	46.4		23.2	69.5



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 22.64 ug/l

RT: 13.17 min Scan# 3602

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD01

Tot Ion:105 Resp: 655911

Ion Ratio Lower Upper

105 100

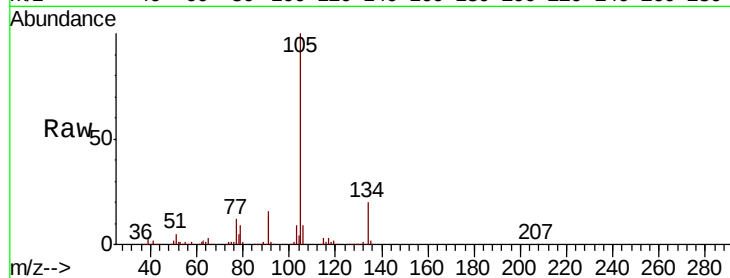
134 19.7 10.1 30.3

Manual Integrations

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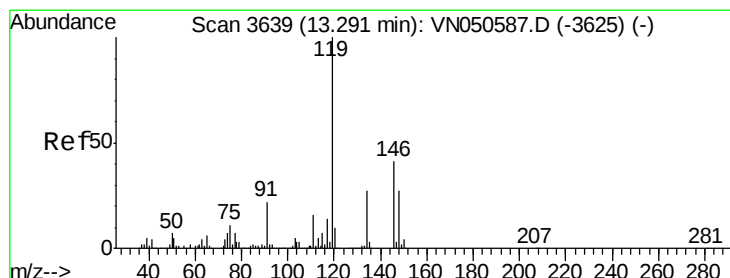
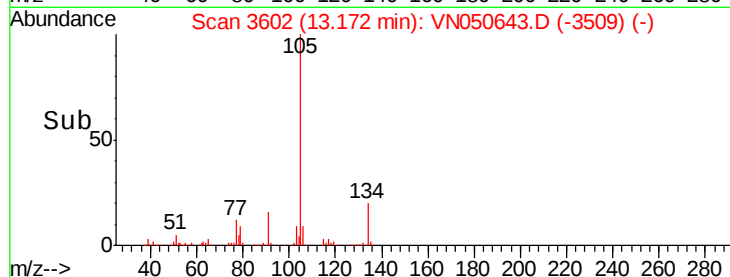
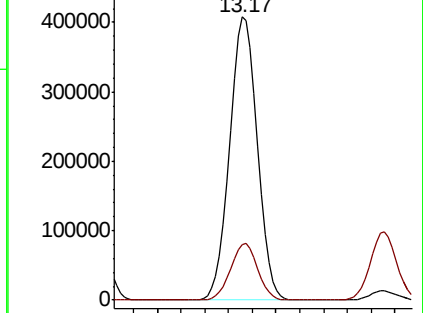
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Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 22.79 ug/l

RT: 13.29 min Scan# 3639

Delta R.T. 0.00 min

Lab File: VN050643.D

Acq: 15 Aug 2018 10:17

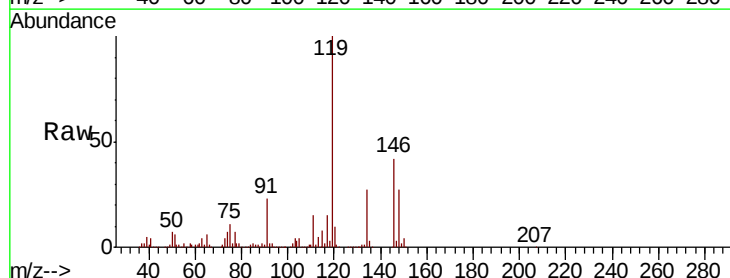
Tgt Ion:119 Resp: 559576

Ion Ratio Lower Upper

119 100

134 26.9 13.5 40.4

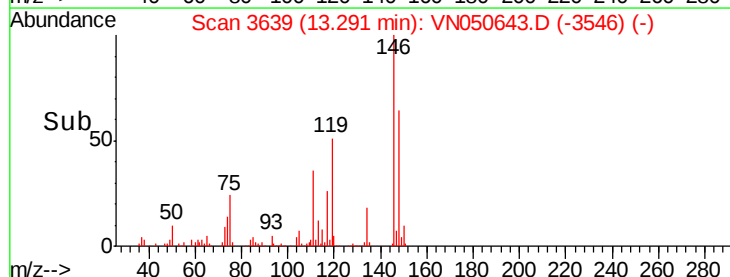
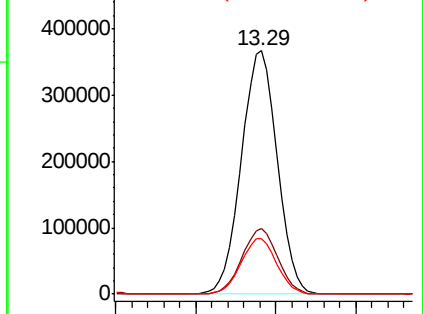
91 22.6 11.2 33.6

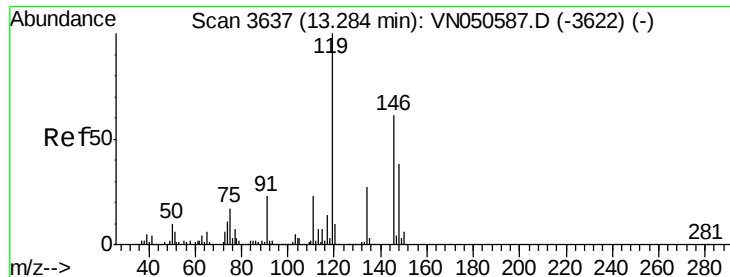


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





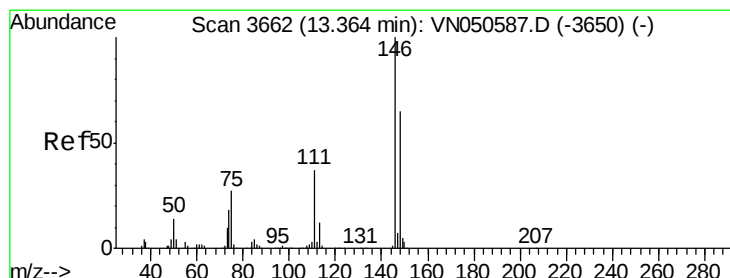
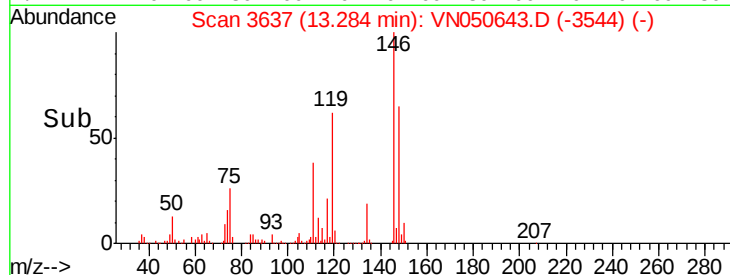
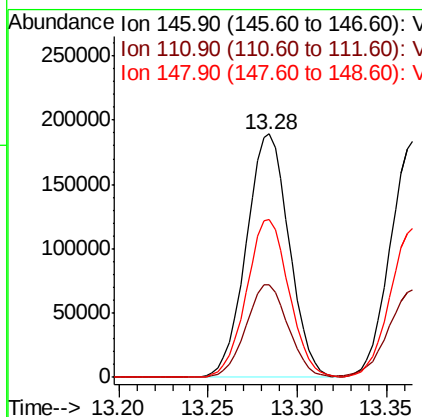
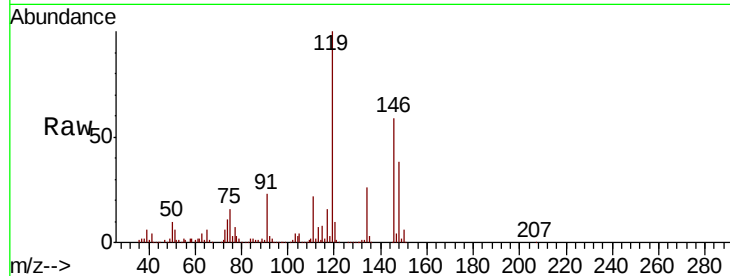
#87
 1,3-Dichlorobenzene
 Concen: 21.51 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
146	100	317152		
111	37.7	19.2	57.6	
148	64.5	31.9	95.7	

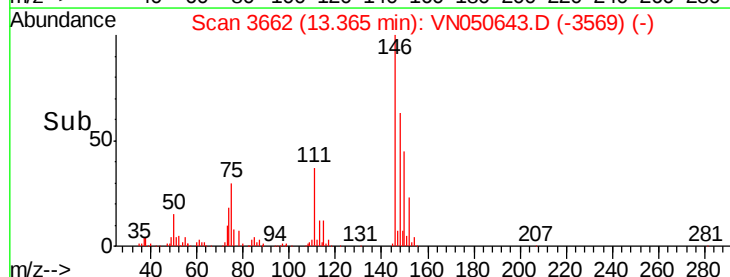
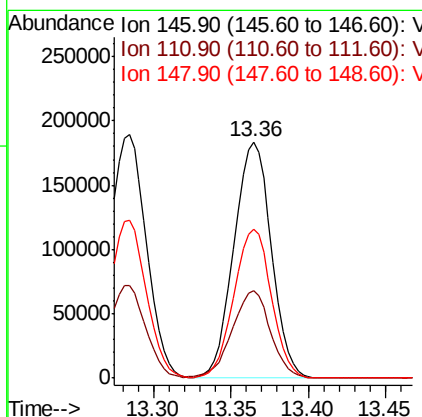
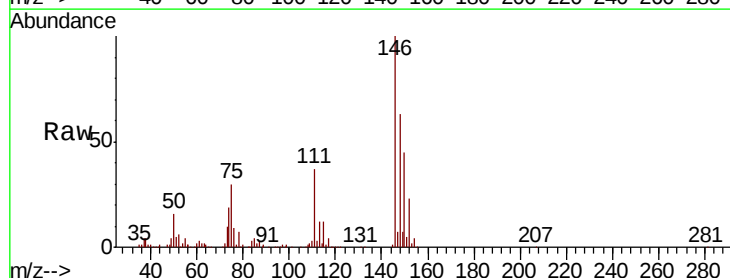
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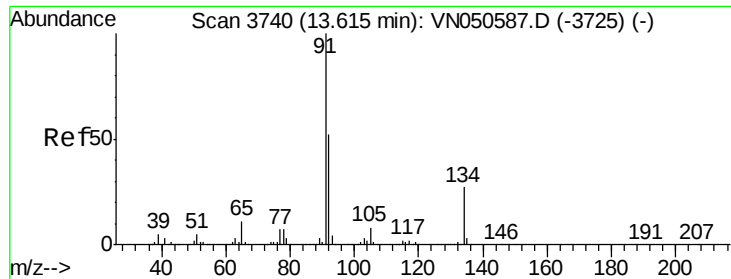
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#88
 1,4-Dichlorobenzene
 Concen: 21.08 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
146	100	308479		
111	38.0	18.8	56.4	
148	63.3	32.3	96.8	





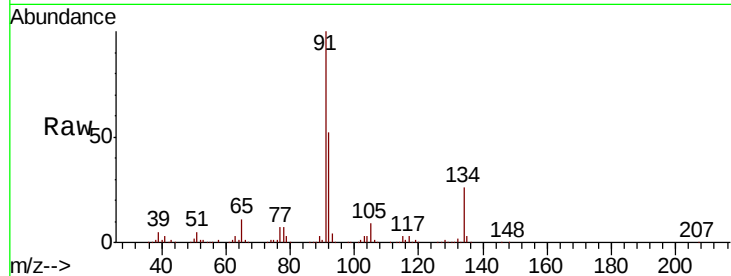
#89
n-Butylbenzene
Concen: 21.38 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

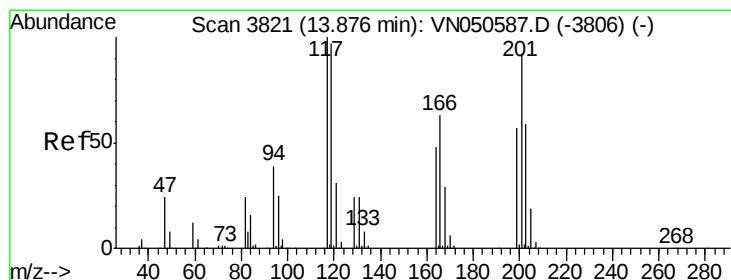
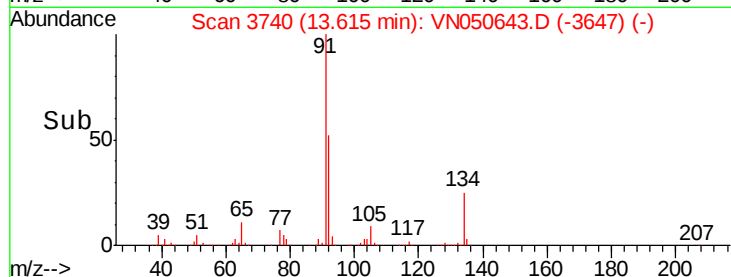
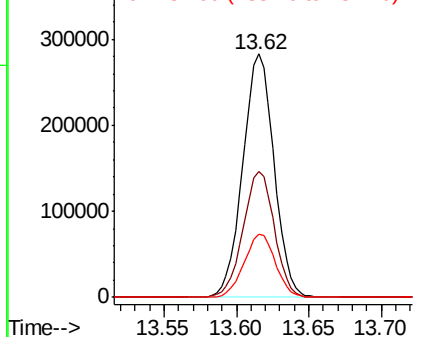
Tot Ion	Ratio	Lower	Upper
91	100		
92	51.8	26.3	78.8
134	26.0	13.3	39.9

Manual Integrations
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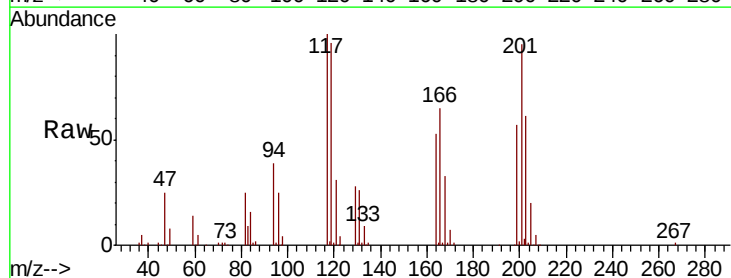


Abundance Ion 91.00 (90.70 to 91.70): VN050587.D (-3725) (-)
Ion 92.00 (91.70 to 92.70): VN050587.D (-3725) (-)
Ion 134.00 (133.70 to 134.70): VN050587.D (-3725) (-)

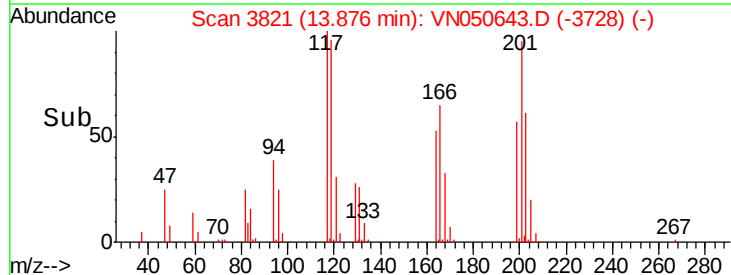
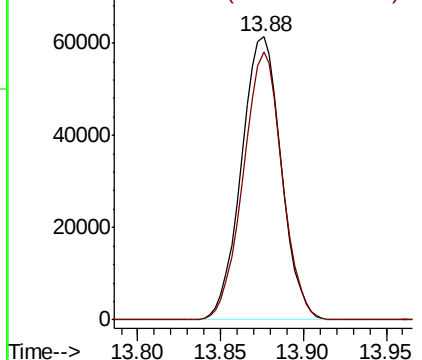


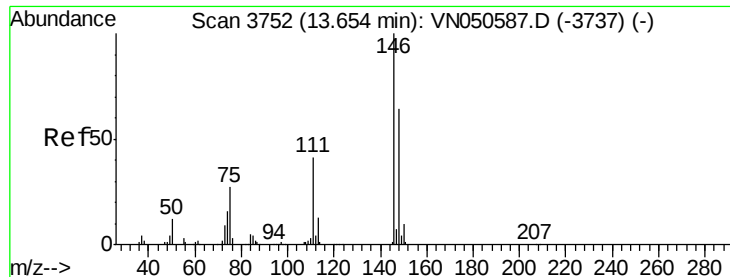
#90
Hexachloroethane
Concen: 20.81 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
117	100		
201	92.5	45.5	136.5



Abundance Ion 116.80 (116.50 to 117.50): VN050587.D (-3806) (-)
Ion 200.70 (200.40 to 201.40): VN050587.D (-3806) (-)





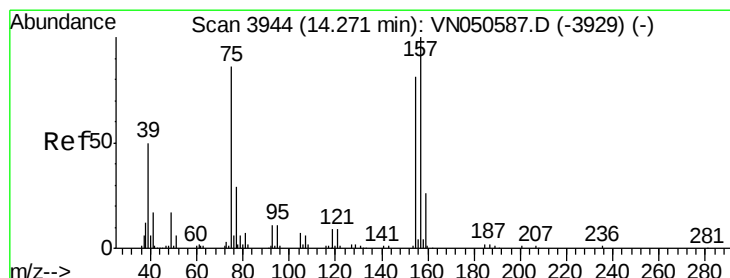
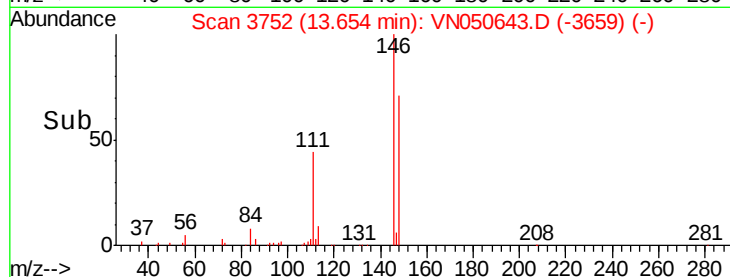
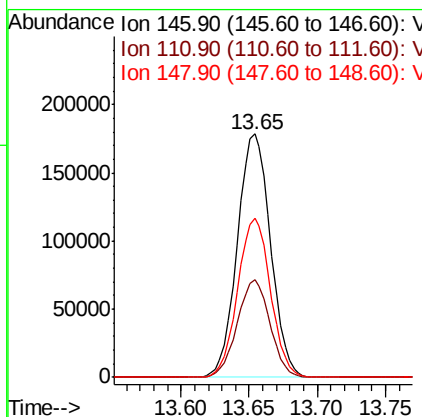
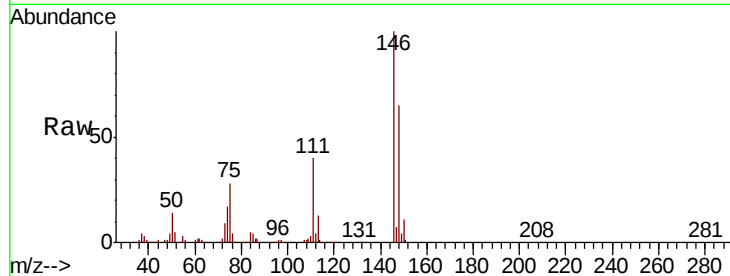
#91
 1,2-Dichlorobenzene
 Concen: 20.97 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.4	19.8	59.4
148	64.4	32.3	96.8

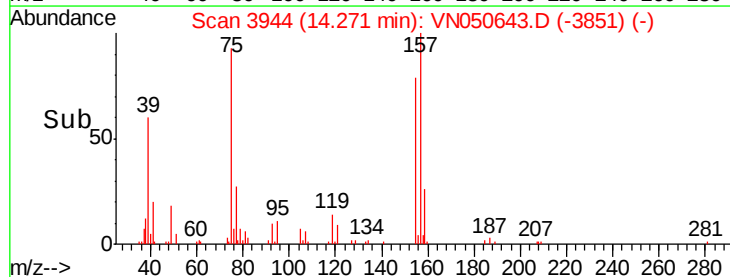
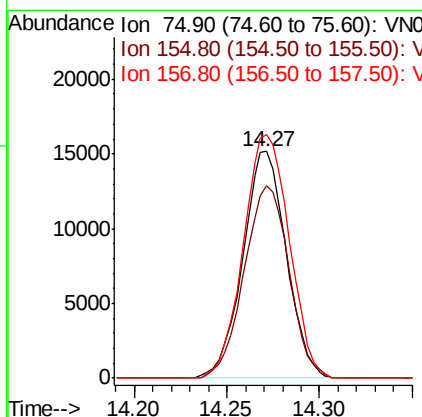
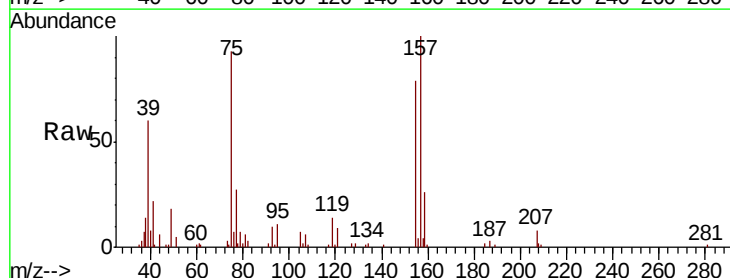
Manual Integrations
 APPROVED

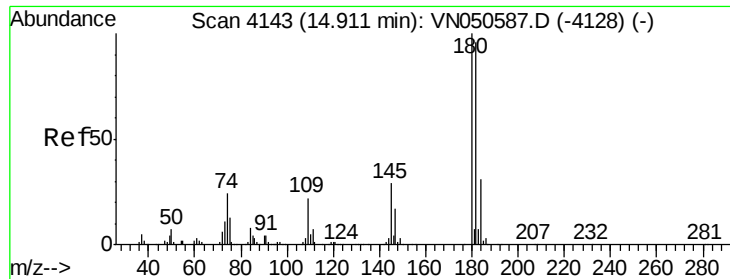
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#92
 1,2-Dibromo-3-Chloropropane
 Concen: 21.78 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
75	100		
155	87.5	46.6	139.8
157	113.4	58.1	174.2





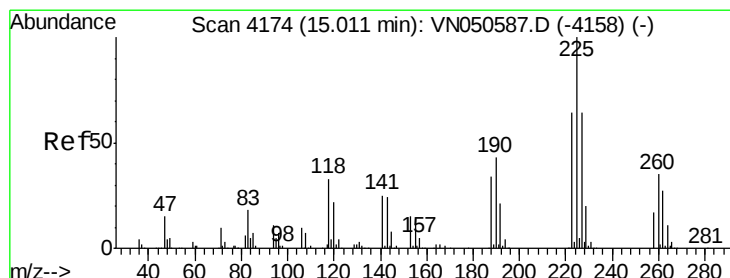
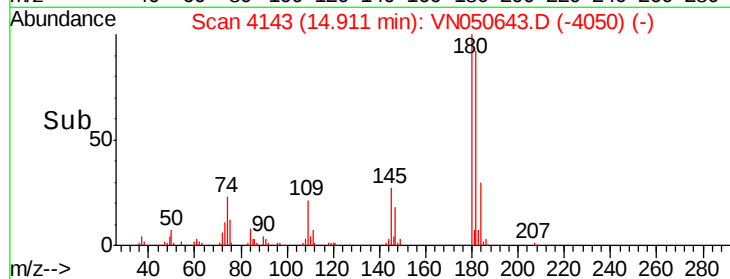
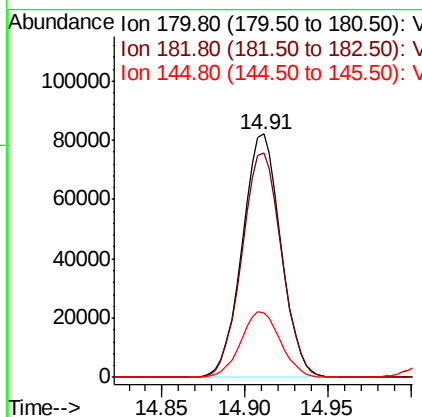
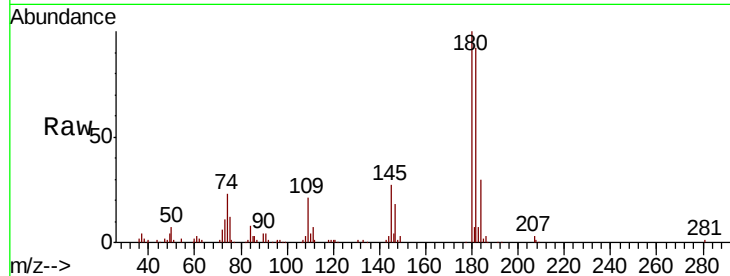
#93
 1,2,4-Trichlorobenzene
 Concen: 19.72 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD01

Tot Ion	Ratio	Resp	Lower	Upper
180	100			
182	94.7	47.9	143.7	
145	27.7	14.4	43.4	

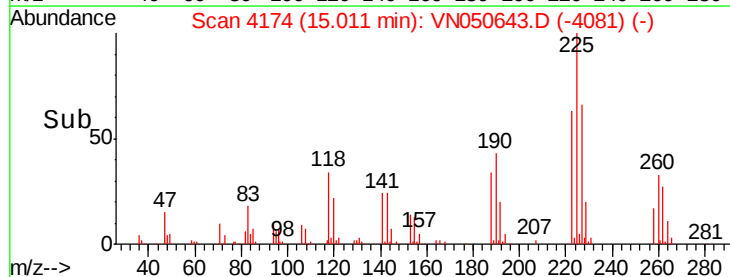
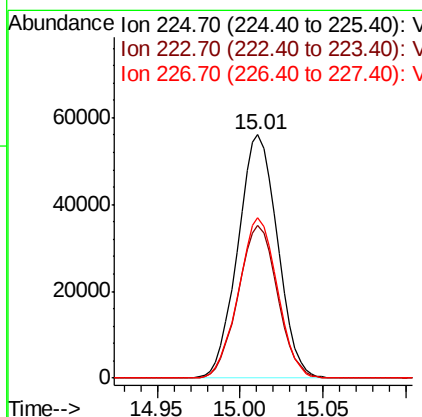
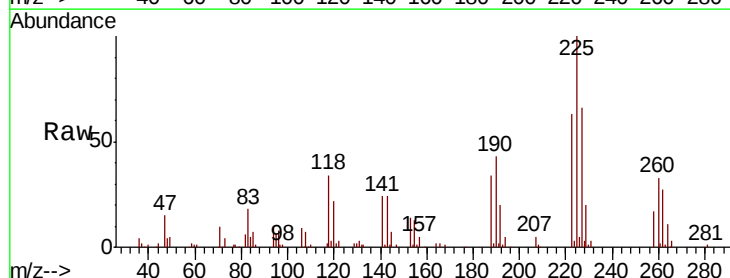
Manual Integrations
 APPROVED

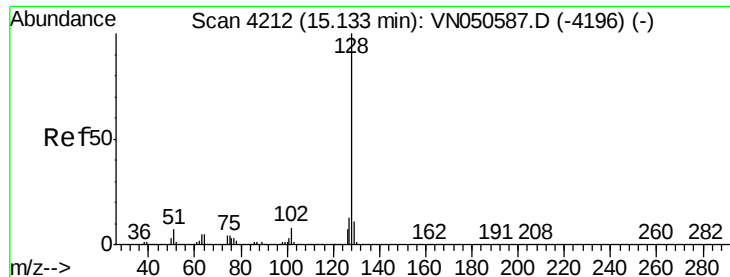
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#94
 Hexachlorobutadiene
 Concen: 21.19 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. 0.00 min
 Lab File: VN050643.D
 Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	62.3	32.1	96.3	
227	64.3	32.0	96.2	





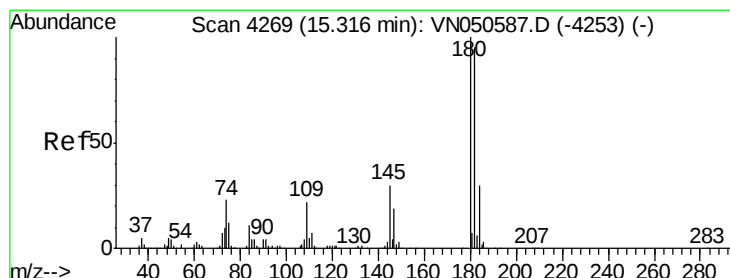
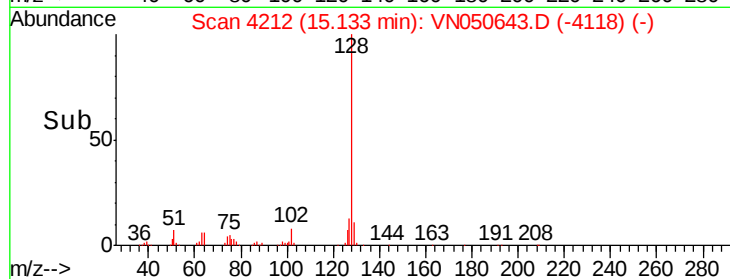
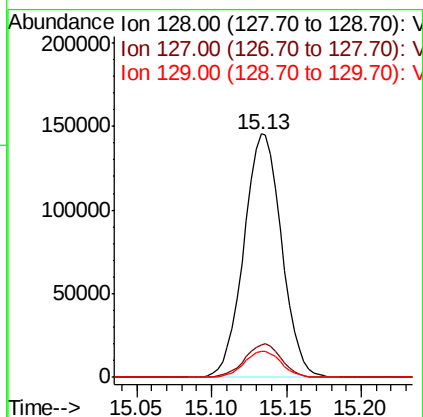
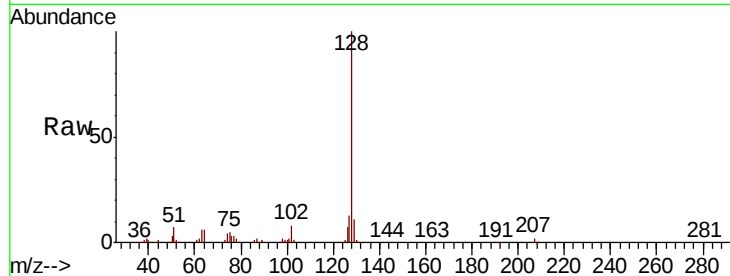
#95
Naphthalene
Concen: 18.85 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD01

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.3	15.5
129	10.6	8.5	12.7

Manual Integrations
APPROVED

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8/16/2018 1:18:32 PM



#96
1,2,3-Trichlorobenzene
Concen: 20.04 ug/l
RT: 15.32 min Scan# 4269
Delta R.T. 0.00 min
Lab File: VN050643.D
Acq: 15 Aug 2018 10:17

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	141.8
145	30.3	14.6	44.0

