

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
 Data File : VN050670.D
 Acq On : 15 Aug 2018 22:14
 Operator : MD\SY
 Sample : VN0815WBSD02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 35 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleID :
 VN0815WBSD02

Manual Integrations
 APPROVED

MMDadoda
 8/16/2018 1:18:58 PM

Quant Time: Aug 16 04:38:21 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	121517	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	639682	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	553365	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	243946	29.53	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	98.43%
60) 4-Bromofluorobenzene	12.40	95	250050	29.41	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	98.03%
63) Toluene-d8	10.09	98	813626	30.78	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	102.60%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	132994	15.88	ug/l	94
3) Chloromethane	2.06	50	170895	19.79	ug/l	98
4) Vinyl Chloride	2.18	62	179997	19.58	ug/l	99
5) Bromomethane	2.56	94	101631	18.14	ug/l	99
6) Chloroethane	2.70	64	109491	20.14	ug/l	100
7) Trichlorofluoromethane	3.01	101	239433	19.93	ug/l	97
8) Diethyl Ether	3.41	74	82698	20.53	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	148031	20.26	ug/l	100
10) 1,1-Dichloroethene	3.74	96	132140	20.40	ug/l	93
11) Methyl Iodide	3.95	142	84060	8.82	ug/l	97
12) Methyl Acetate	4.33	43	129980	17.51	ug/l	99
13) Acrolein	3.61	56	15066	32.85	ug/l	93
14) Acrylonitrile	4.99	53	248359	100.29	ug/l	99
15) Acetone	3.82	58	75701	115.02	ug/l	89
16) Carbon Disulfide	4.05	76	404580	20.41	ug/l	99
17) Allyl chloride	4.32	41	197408	19.29	ug/l	97
18) Methylene Chloride	4.55	84	157020	21.00	ug/l	97
19) trans-1,2-Dichloroethene	5.04	96	146833	21.17	ug/l	97
20) Diisopropyl ether	5.96	45	458239	21.84	ug/l	98
21) 1,1-Dichloroethane	5.85	63	271262	20.56	ug/l	98
22) cis-1,2-Dichloroethene	6.83	96	161717	21.02	ug/l	97
23) tert-Butyl Alcohol	4.80	59	51199	92.52	ug/l	# 100
24) Methyl tert-Butyl Ether	5.05	73	364000	20.60	ug/l	99
25) Chloroform	7.37	83	278060	20.82	ug/l	99
26) Cyclohexane	7.65	56	219242	20.91	ug/l	# 98
29) 1,1-Dichloropropene	7.80	75	203103	20.46	ug/l	99
30) 2-Butanone	6.84	43	353679	113.53	ug/l	98
31) 2,2-Dichloropropane	6.83	77	168501	15.36	ug/l	98
32) 1,1,1-Trichloroethane	7.57	97	236980	20.28	ug/l	99
33) Carbon Tetrachloride	7.78	117	207925	19.96	ug/l	99
34) Benzene	8.04	78	626712	20.79	ug/l	99
35) Methacrylonitrile	7.17	41	64532	18.19	ug/l	99
36) 1,2-Dichloroethane	8.13	62	196611	19.86	ug/l	99
37) Trichloroethene	8.84	130	158212	20.01	ug/l	100
38) Methylcyclohexane	9.08	83	201461	19.25	ug/l	100
39) 1,2-Dichloropropane	9.12	63	165170	20.80	ug/l	98
40) Dibromomethane	9.21	93	98194	20.00	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.40	83	208277	20.12	ug/l	96
42) Vinyl Acetate	5.90	43	1495942	102.05	ug/l	100
43) Ethyl Acetate	6.93	43	133437	20.51	ug/l	98
44) Isopropyl Acetate	8.17	43	227824	18.91	ug/l	100
45) 1,4-Dioxane	9.20	88	29179	367.98	ug/l	91
46) Methyl methacrylate	9.20	41	105183	18.01	ug/l	97
47) n-amyl Acetate	12.07	43	175011	18.66	ug/l	99
48) t-1,3-Dichloropropene	10.38	75	189346	19.19	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	225129	19.41	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	142812	20.27	ug/l	98
51) Ethyl methacrylate	10.43	69	165635	19.37	ug/l	97
52) 1,3-Dichloropropane	10.71	76	231132	19.98	ug/l	100
53) Dibromochloromethane	10.90	129	155883	19.49	ug/l	99
54) 1,2-Dibromoethane	11.01	107	134794	19.53	ug/l	100
55) 2-Chloroethyl vinyl ether	9.70	63	389851	100.72	ug/l	99
56) Bromoform	12.13	173	105279	18.65	ug/l	99
58) 4-Methyl-2-Pentanone	9.99	43	808313	125.54	ug/l	99
59) 2-Hexanone	10.75	43	516211	117.51	ug/l	100
61) Tetrachloroethene	10.63	164	154956	20.67	ug/l	99
62) Toluene	10.16	91	659839	20.90	ug/l	100
64) Chlorobenzene	11.44	112	400434	20.92	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	155050	20.76	ug/l	99
66) Ethyl Benzene	11.51	91	653735	20.26	ug/l	99
67) m/p-Xylenes	11.62	106	518925	41.79	ug/l	100
68) o-Xylene	11.95	106	243354	20.60	ug/l	99
69) Styrene	11.97	104	396943	20.96	ug/l	99
70) Isopropylbenzene	12.25	105	646704	20.55	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	175850	20.36	ug/l	97
72) 1,2,3-Trichloropropane	12.55	75	154858m	20.99	ug/l	
73) Bromobenzene	12.53	156	169081	20.17	ug/l	99
74) n-propylbenzene	12.59	91	737569	20.13	ug/l	99
75) 2-Chlorotoluene	12.68	91	453342	20.60	ug/l	99
76) 1,3,5-Trimethylbenzene	12.73	105	538083	20.82	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	36458	15.11	ug/l	92
78) 4-Chlorotoluene	12.77	91	444811	20.39	ug/l	98
79) tert-butylbenzene	12.99	119	440249	19.93	ug/l	97
80) 1,2,4-Trimethylbenzene	13.04	105	542670	20.73	ug/l	99
81) sec-Butylbenzene	13.17	105	592747	19.75	ug/l	99
82) p-Isopropyltoluene	13.29	119	510535	19.94	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	290535	19.91	ug/l	99
84) 1,4-Dichlorobenzene	13.36	146	270932	19.65	ug/l	99
85) n-Butylbenzene	13.62	91	376048	18.09	ug/l	99
86) Hexachloroethane	13.88	117	93561	18.28	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	290817	20.39	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	24625	18.30	ug/l	99
89) 1,2,4-Trichlorobenzene	14.91	180	121556	17.84	ug/l	99
90) Hexachlorobutadiene	15.01	225	85419	19.01	ug/l	97
91) Naphthalene	15.14	128	250044	19.35	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	125639	18.13	ug/l	99

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VN0815WBSD02

Manual Integrations
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Jul 26 15:21:50 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

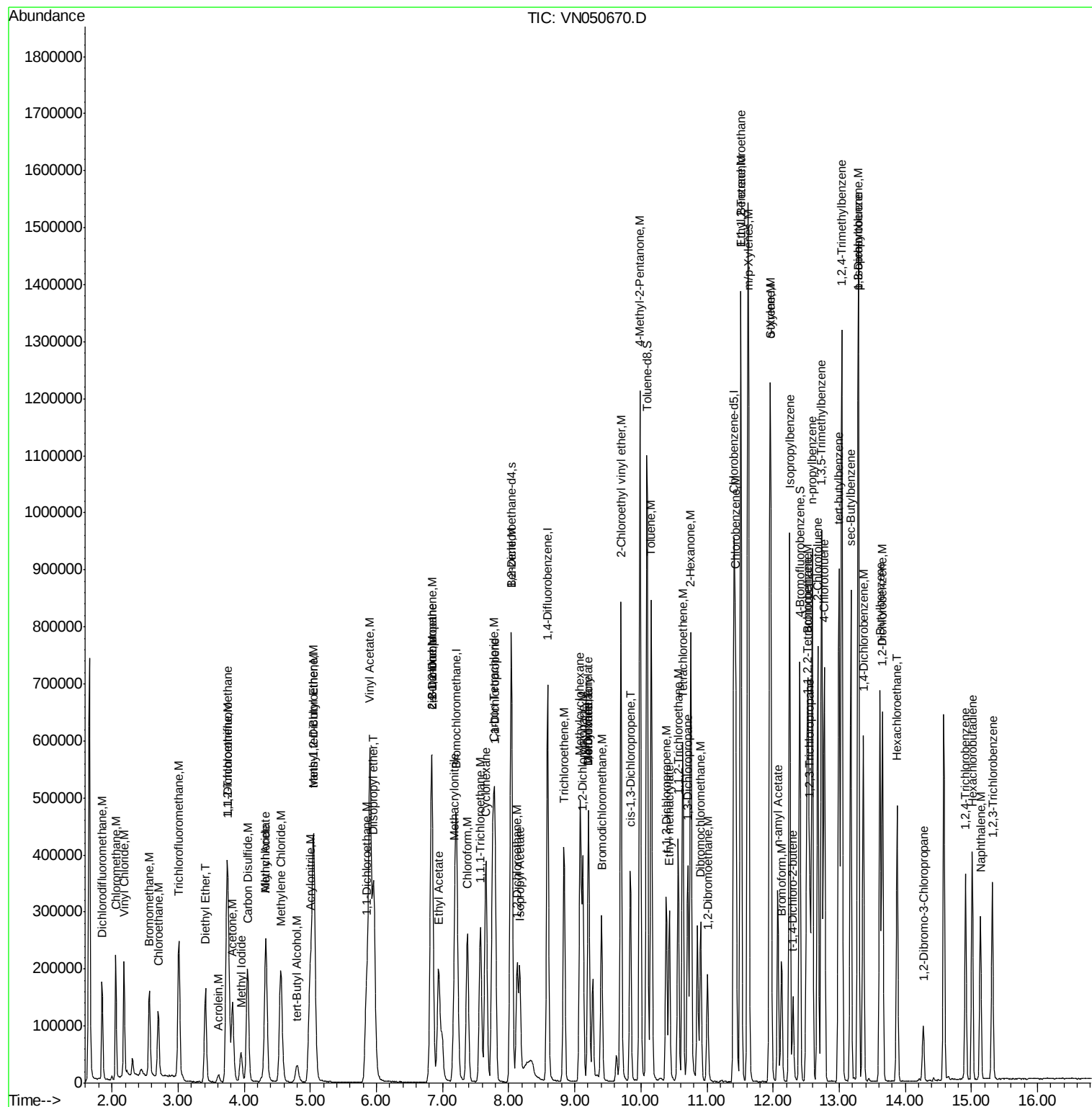
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN081518\
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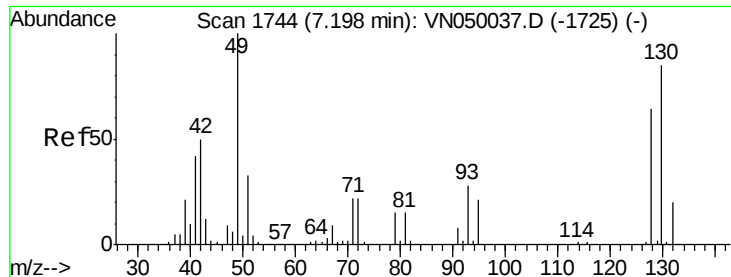
Instrument :
 MSVOA_N
 Client Sample Id :
 VN0815WBSD02

Manual Integrations
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#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

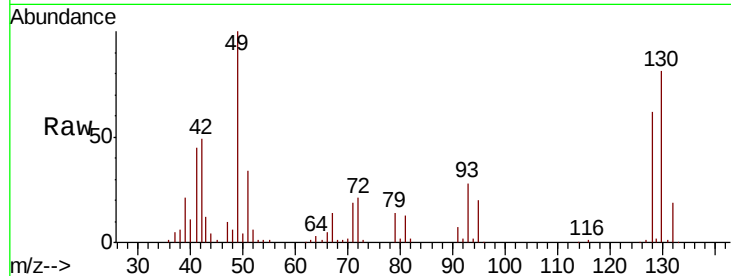
ClientSampleId :

VN0815WBSD02

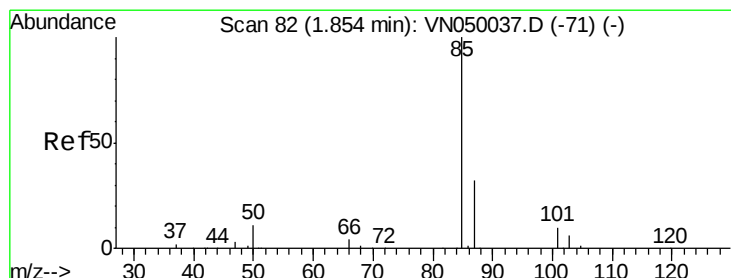
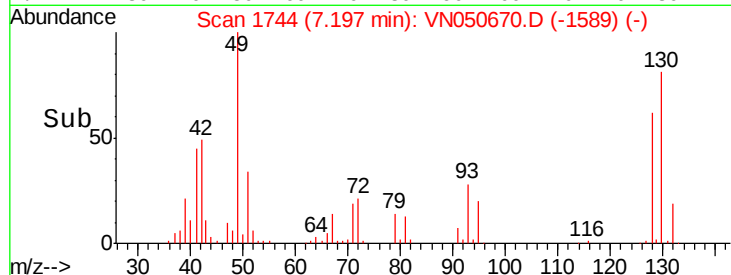
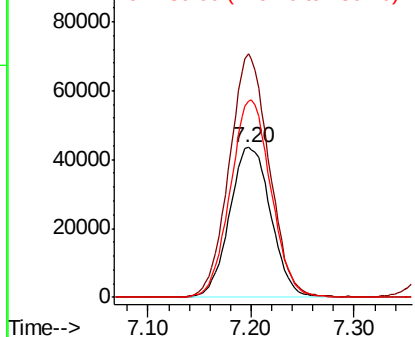
Tot Ion:	128	Resp:	121517
Ion	Ratio	Lower	Upper
128	100		
49	157.1	0.0	378.3
130	129.2	0.0	320.7

Manual Integrations
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Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VN
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 15.88 ug/l

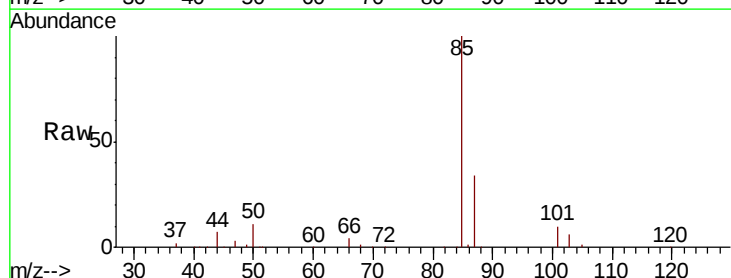
RT: 1.85 min Scan# 81

Delta R.T. -0.00 min

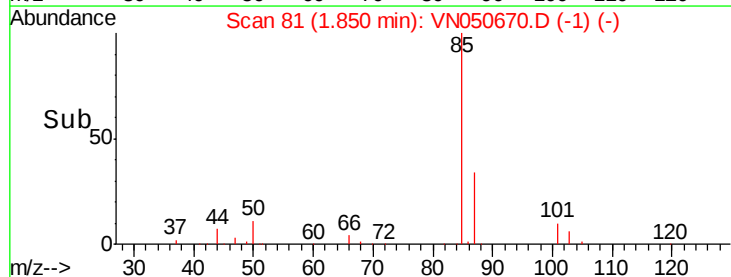
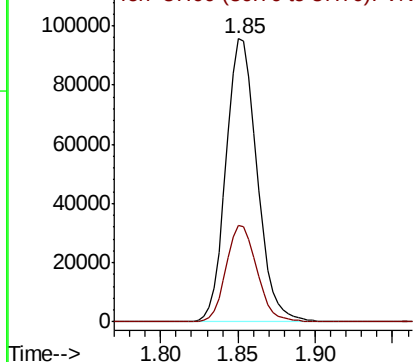
Lab File: VN050670.D

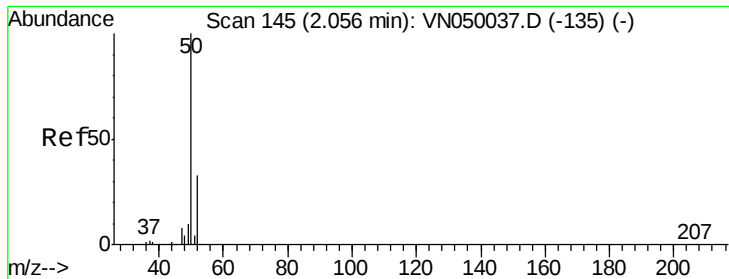
Acq: 15 Aug 2018 22:14

Tgt Ion:	85	Resp:	132994
Ion	Ratio	Lower	Upper
85	100		
87	34.2	15.4	46.4



Abundance Ion 85.00 (84.70 to 85.70): VN
Ion 87.00 (86.70 to 87.70): VN





#3

Chloromethane

Concen: 19.79 ug/l

RT: 2.06 min Scan# 145

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion: 50 Resp: 170895

Ion Ratio Lower Upper

50 100

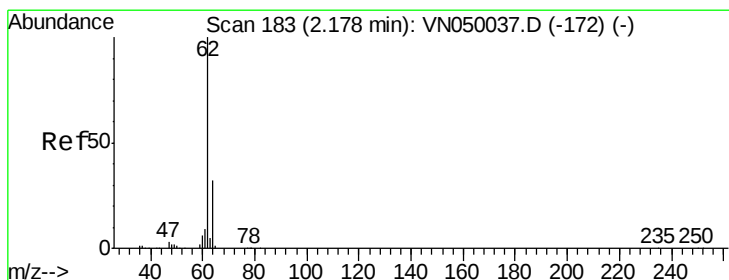
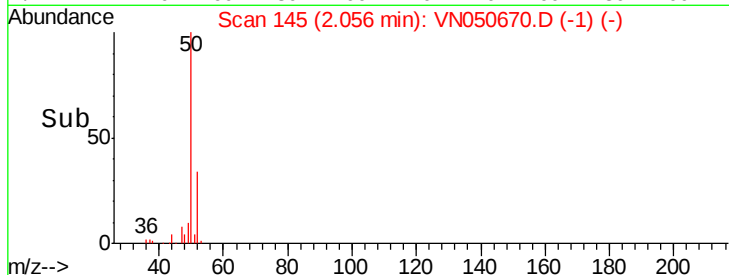
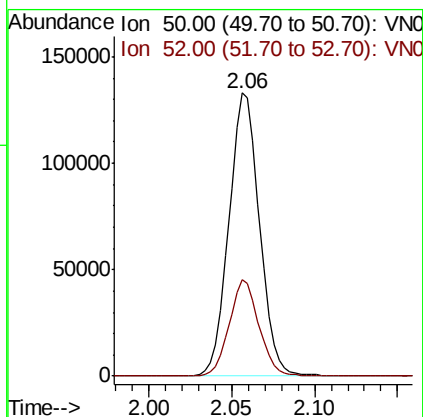
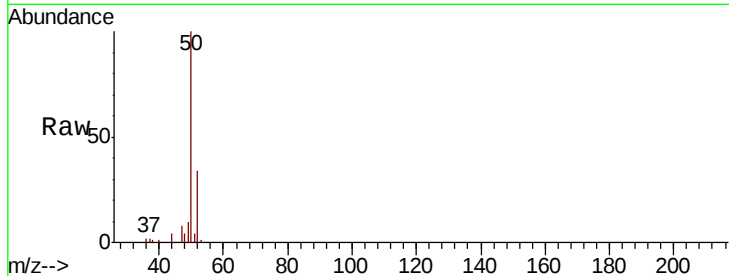
52 33.9 26.1 39.1

Manual Integrations

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#4

Vinyl Chloride

Concen: 19.58 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050670.D

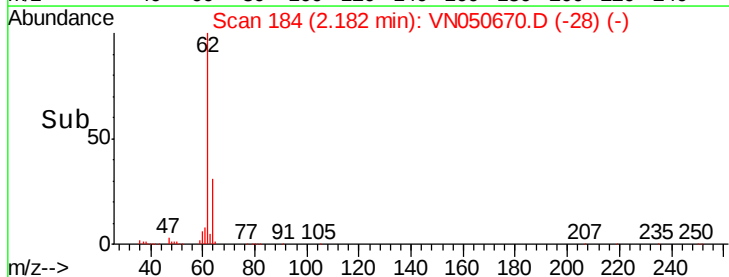
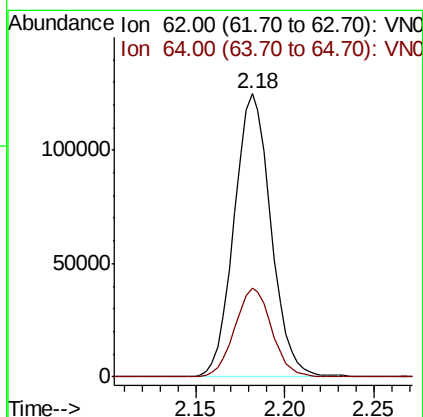
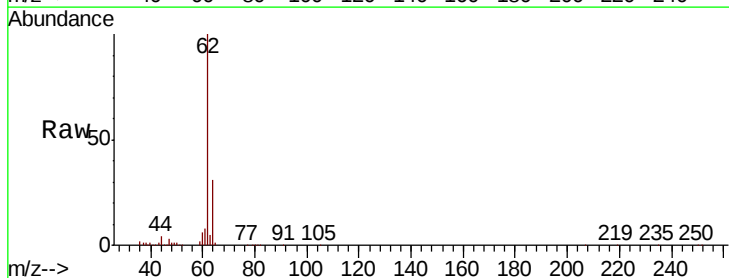
Acq: 15 Aug 2018 22:14

Tgt Ion: 62 Resp: 179997

Ion Ratio Lower Upper

62 100

64 31.3 24.4 36.6





#5

Bromomethane

Concen: 18.14 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion: 94 Resp: 101631

Ion Ratio Lower Upper

94 100

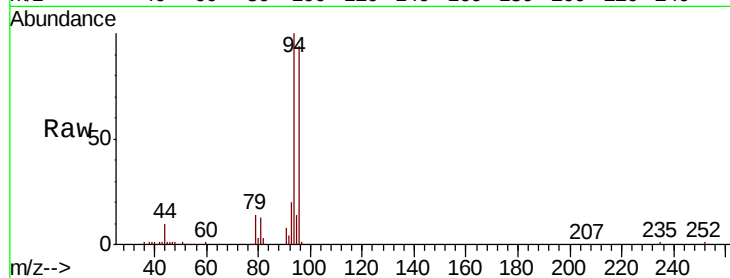
96 93.9 75.9 113.9

Manual Integrations

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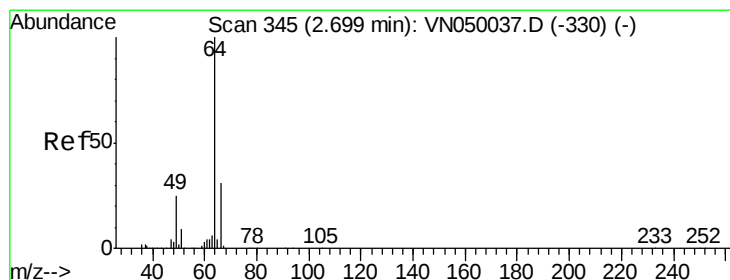
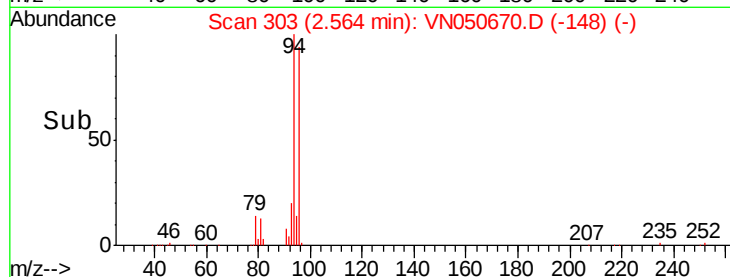
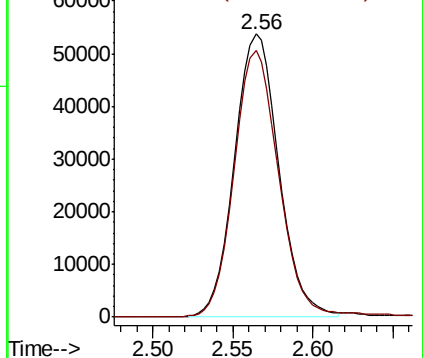
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Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 20.14 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050670.D

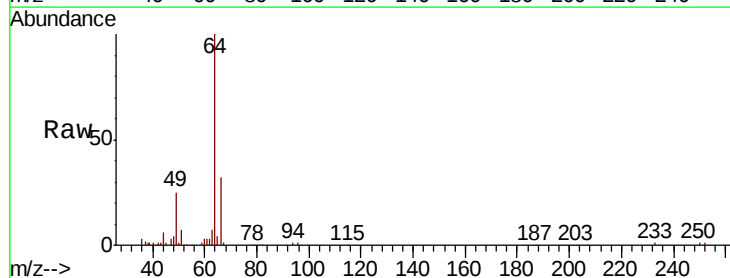
Acq: 15 Aug 2018 22:14

Tgt Ion: 64 Resp: 109491

Ion Ratio Lower Upper

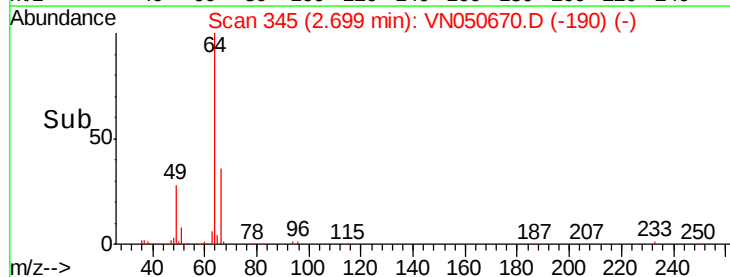
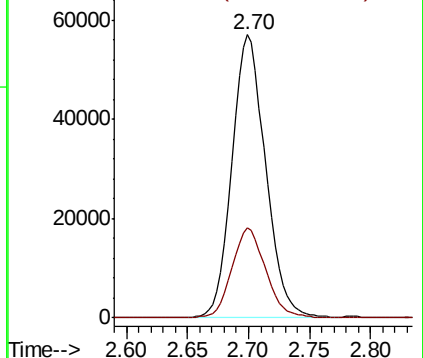
64 100

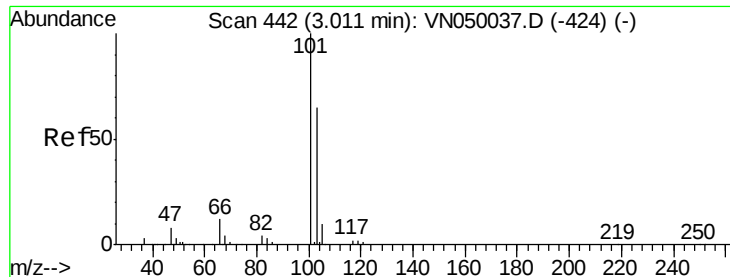
66 31.4 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0





#7

Trichlorofluoromethane

Concen: 19.93 ug/l

RT: 3.01 min Scan# 442

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion:101 Resp: 239433

Ion Ratio Lower Upper

101 100

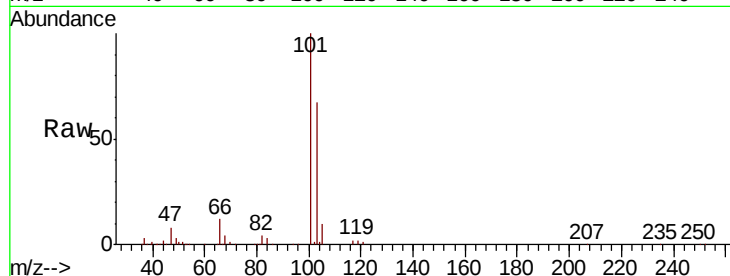
103 66.6 51.5 77.3

Manual Integrations

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Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V

3.01

120000

100000

80000

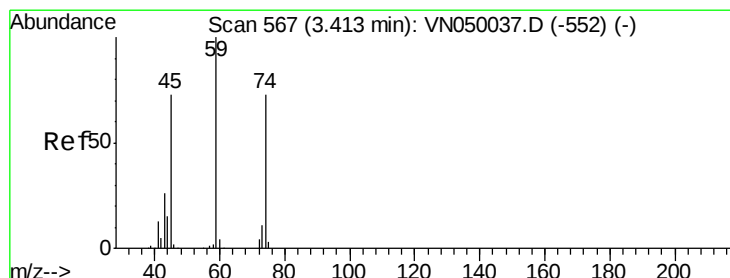
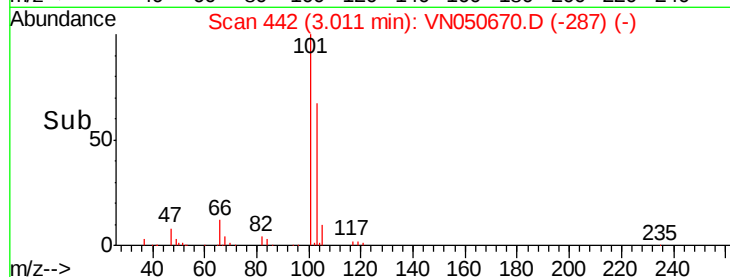
60000

40000

20000

0

Time--> 2.90 2.95 3.00 3.05 3.10



#8

Diethyl Ether

Concen: 20.53 ug/l

RT: 3.41 min Scan# 566

Delta R.T. -0.00 min

Lab File: VN050670.D

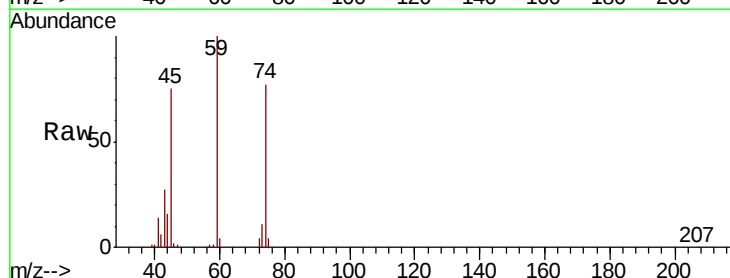
Acq: 15 Aug 2018 22:14

Tgt Ion: 74 Resp: 82698

Ion Ratio Lower Upper

74 100

45 97.3 18.7 167.9



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

3.41

40000

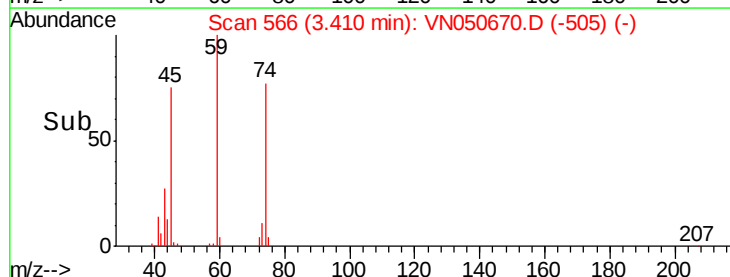
30000

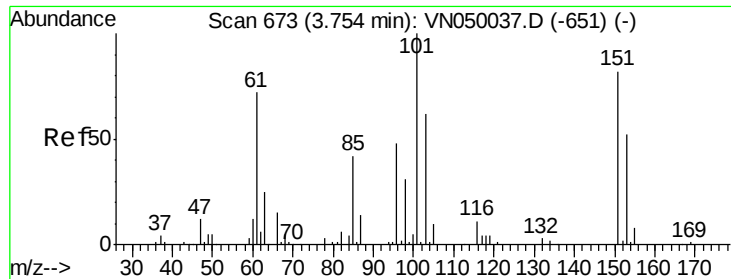
20000

10000

0

Time--> 3.35 3.40 3.45 3.50





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.26 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

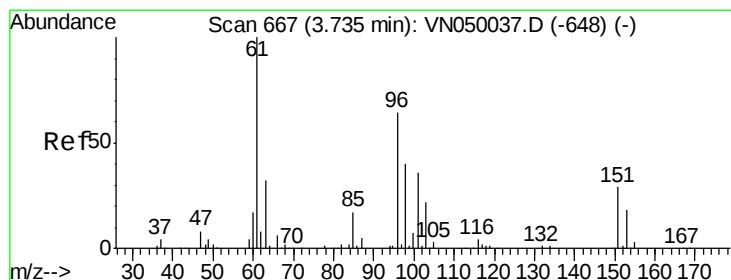
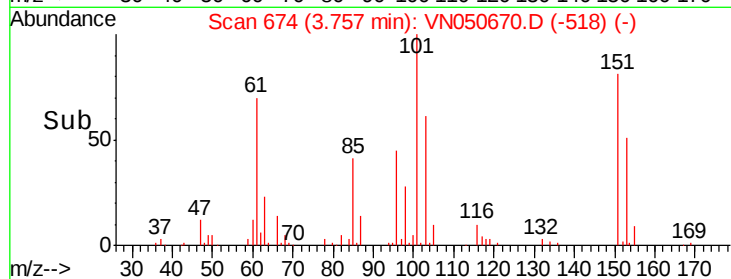
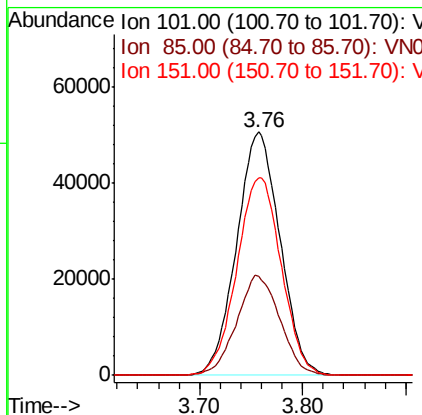
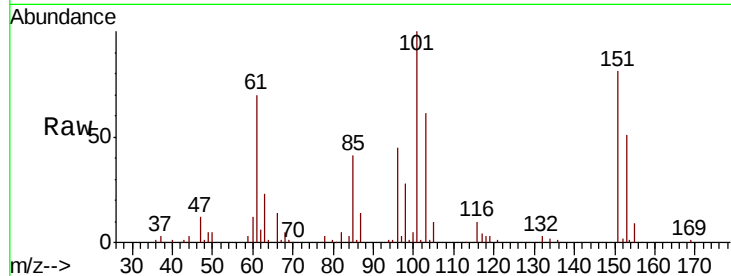
ClientSampleId :

VN0815WBSD02

Tot Ion:	101	Resp:	148031
Ion Ratio	Lower	Upper	
101	100		
85	41.0	0.0	83.0
151	83.1	0.0	166.8

Manual Integrations
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#10

1,1-Dichloroethene

Concen: 20.40 ug/l

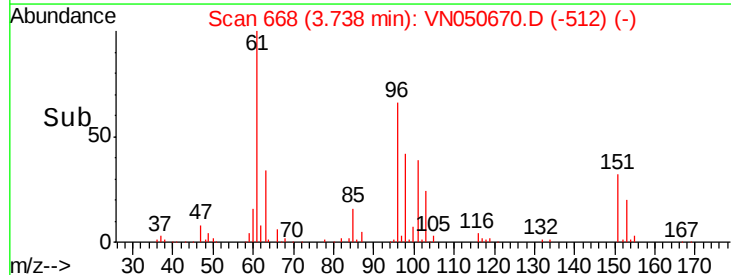
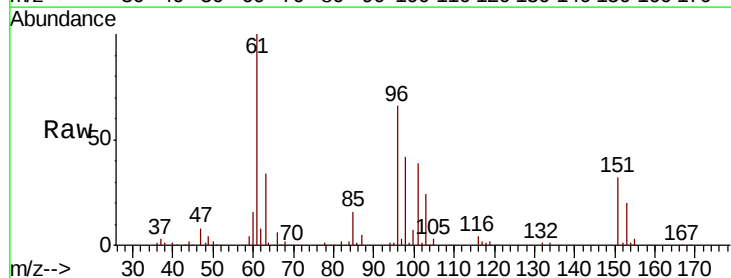
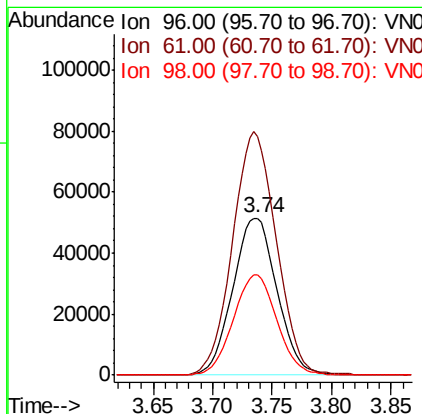
RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	96	Resp:	132140
Ion Ratio	Lower	Upper	
96	100		
61	151.1	130.6	195.8
98	64.0	53.5	80.3





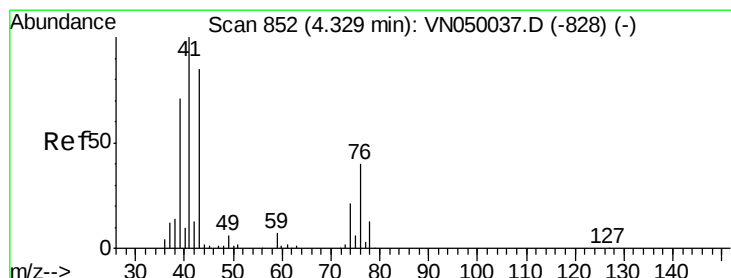
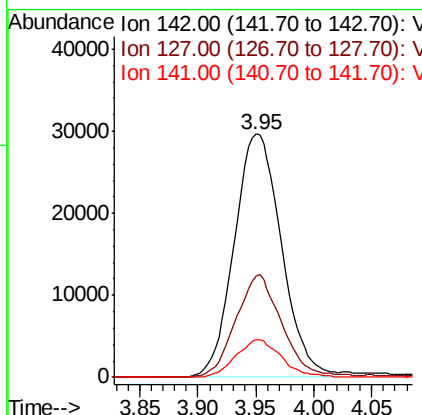
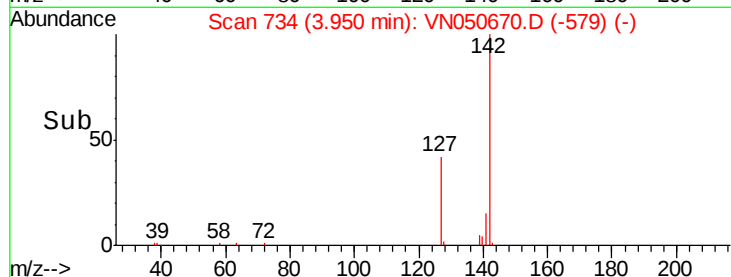
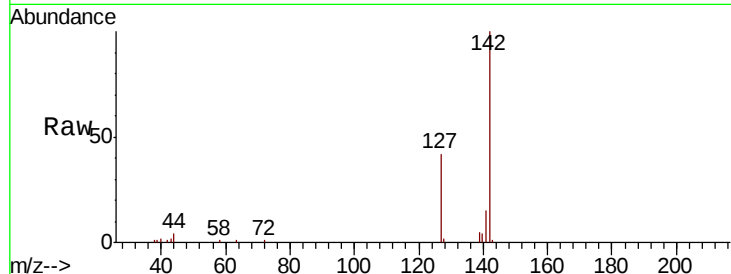
#11
Methyl Iodide
Concen: 8.82 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
142	100		
127	41.7	20.2	60.5
141	15.5	6.9	20.6

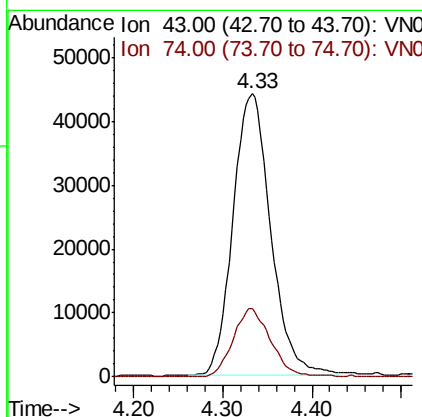
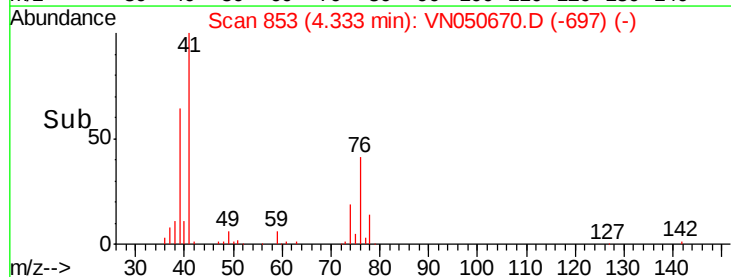
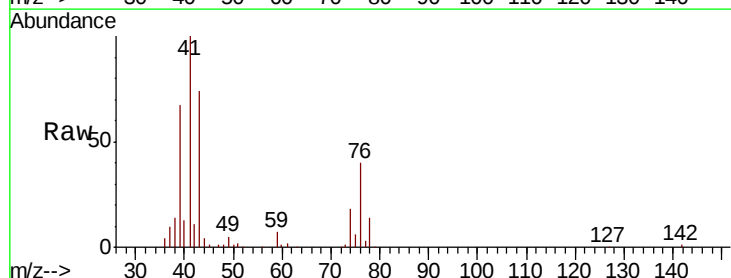
Manual Integrations
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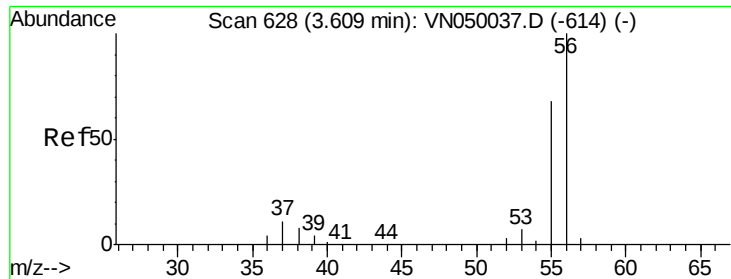
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#12
Methyl Acetate
Concen: 17.51 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
43	100		
74	24.5	19.3	28.9





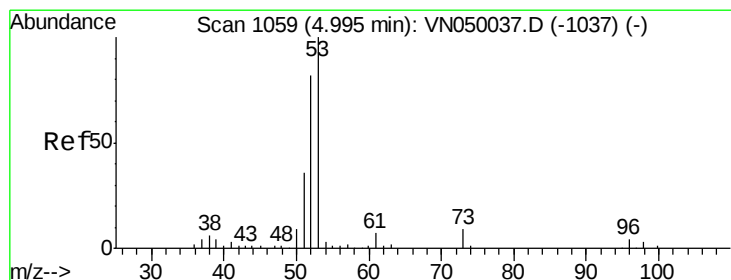
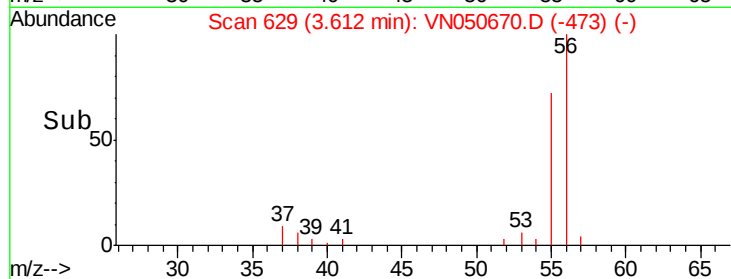
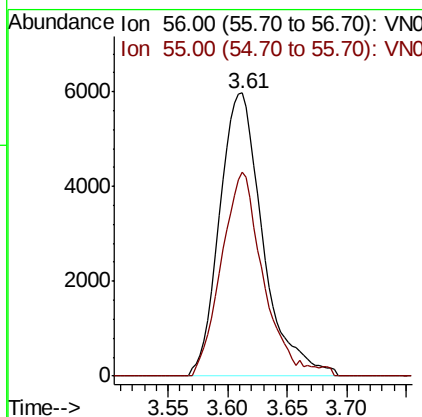
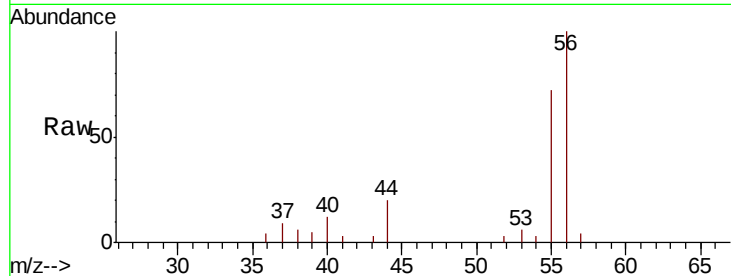
#13
Acrolein
Concen: 32.85 ug/l
RT: 3.61 min Scan# 629
Delta R.T. 0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion: 56 Resp: 15066
Ion Ratio Lower Upper
56 100
55 67.7 58.6 88.0

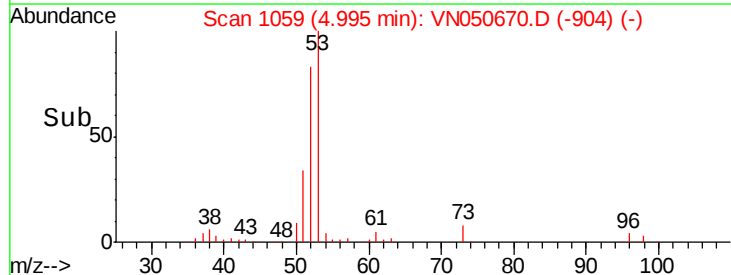
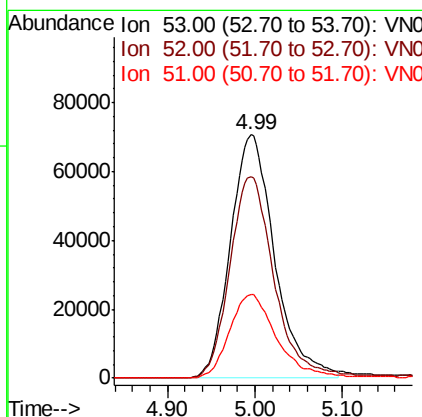
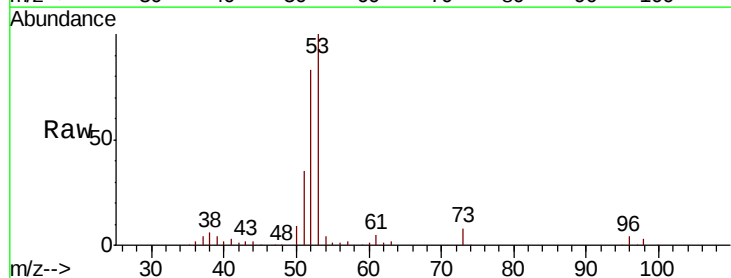
Manual Integrations
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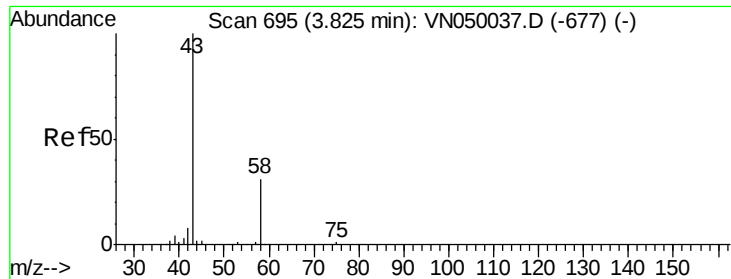
MMDadoda
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#14
Acrylonitrile
Concen: 100.29 ug/l
RT: 4.99 min Scan# 1059
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 53 Resp: 248359
Ion Ratio Lower Upper
53 100
52 82.5 41.5 124.5
51 36.5 18.7 56.1





#15

Acetone

Concen: 115.02 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion: 58 Resp: 75701

Ion Ratio Lower Upper

58 100

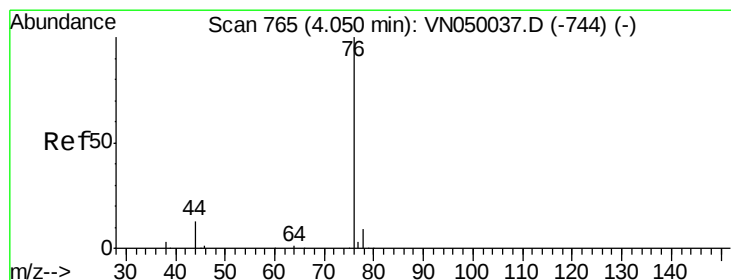
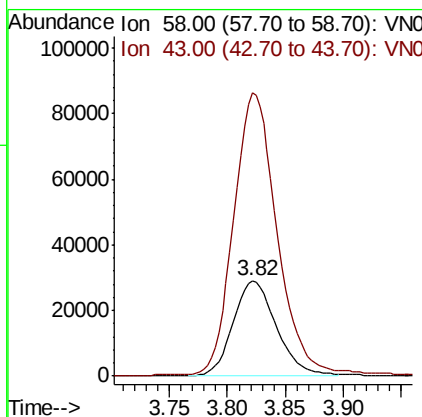
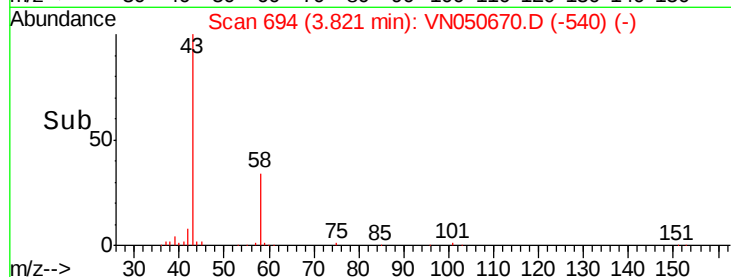
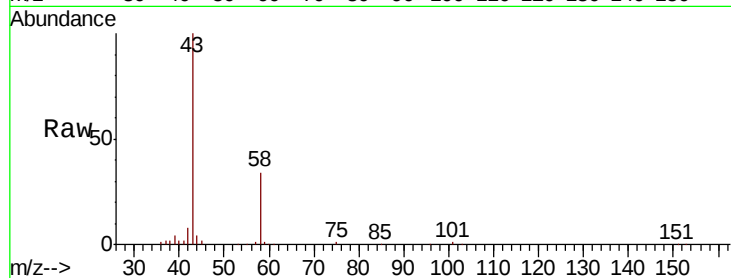
43 293.2 252.0 378.0

Manual Integrations

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#16

Carbon Disulfide

Concen: 20.41 ug/l

RT: 4.05 min Scan# 765

Delta R.T. -0.00 min

Lab File: VN050670.D

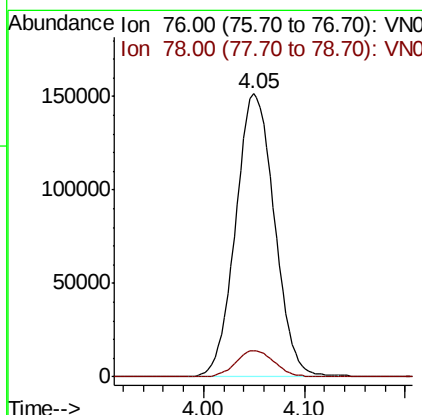
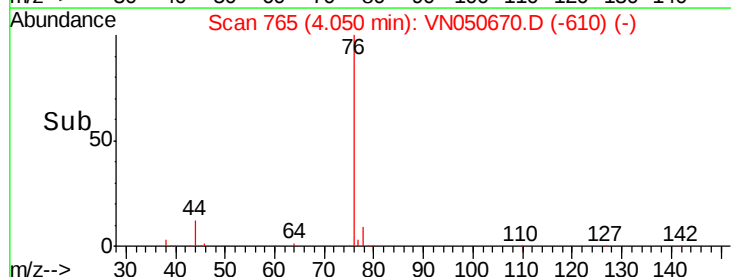
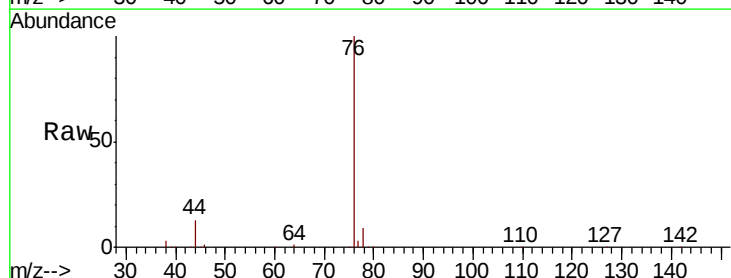
Acq: 15 Aug 2018 22:14

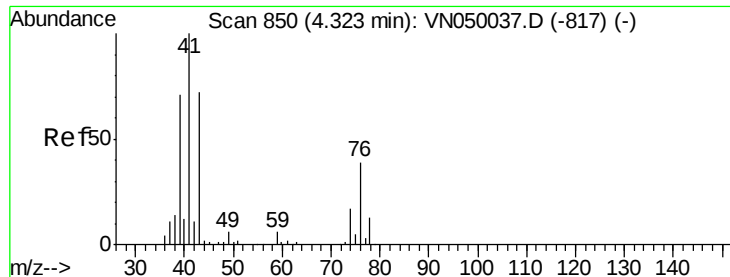
Tgt Ion: 76 Resp: 404580

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9





#17

Allvl chloride

Concen: 19.29 ug/l

RT: 4.32 min Scan# 850

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

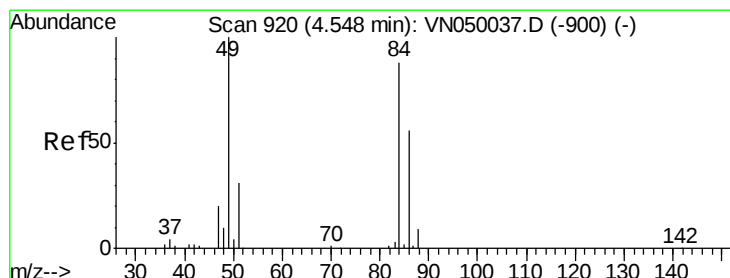
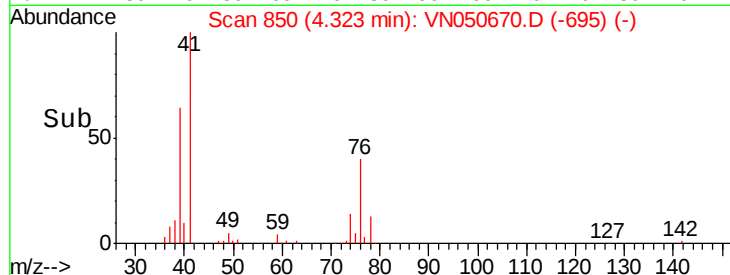
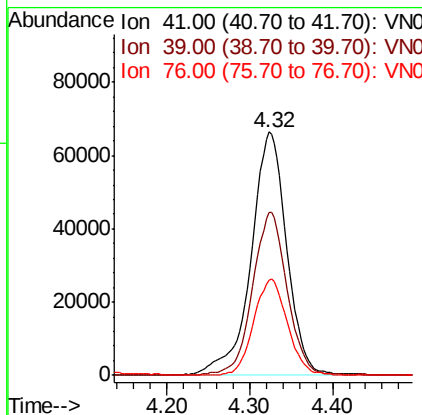
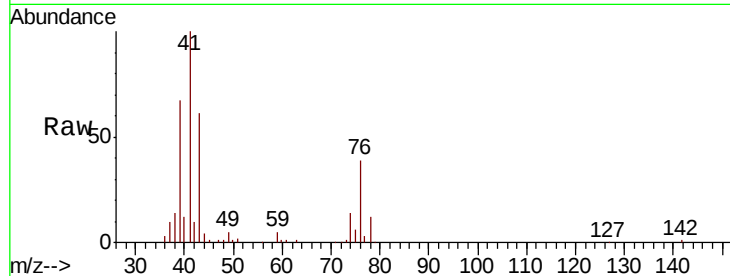
ClientSampleId :

VN0815WBSD02

Tot Ion:	41	Resp:	197408
Ion	Ratio	Lower	Upper
41	100		
39	67.2	35.4	106.3
76	39.0	19.7	59.1

Manual Integrations
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#18

Methylene Chloride

Concen: 21.00 ug/l

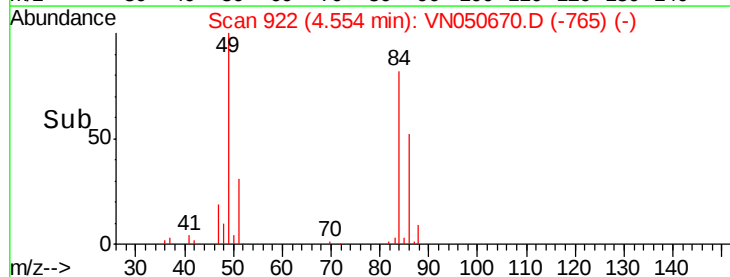
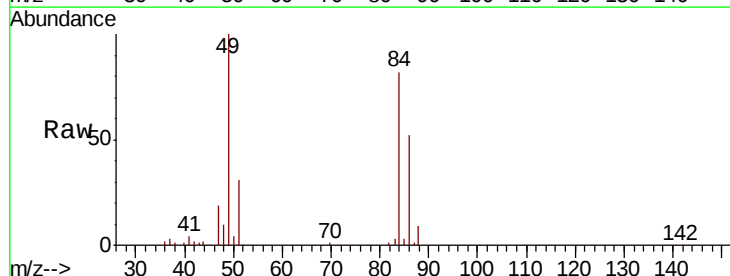
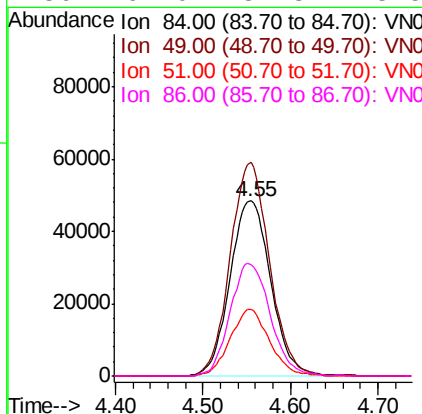
RT: 4.55 min Scan# 922

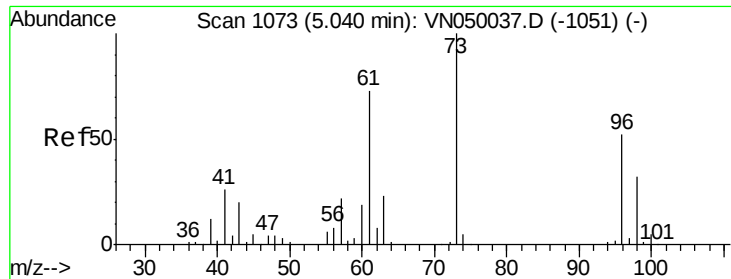
Delta R.T. 0.01 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	84	Resp:	157020
Ion	Ratio	Lower	Upper
84	100		
49	122.1	95.1	142.7
51	38.4	28.8	43.2
86	64.0	52.3	78.5





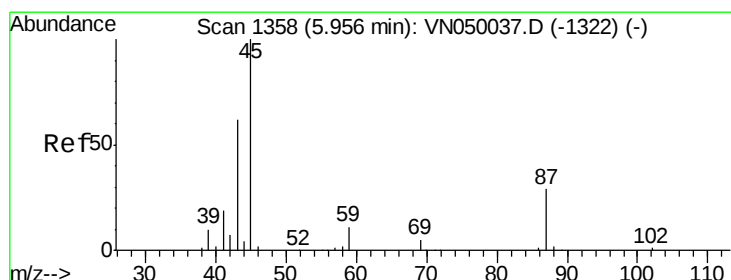
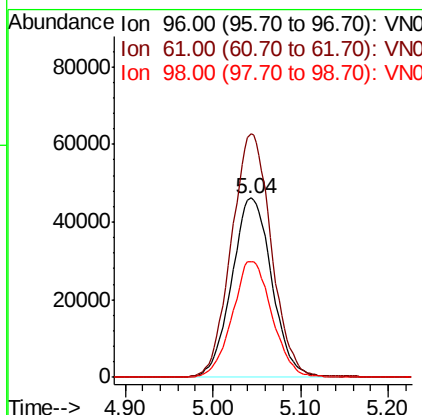
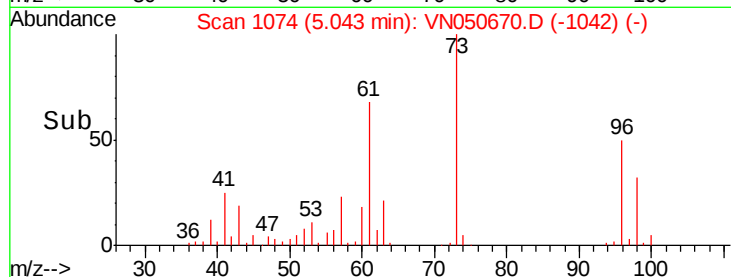
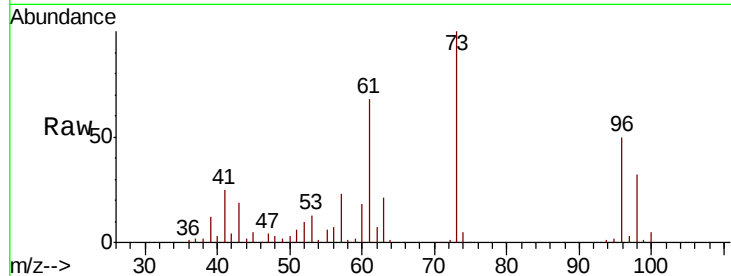
#19
trans-1,2-Dichloroethene
Concen: 21.17 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ion	Ratio	Resp	Lower	Upper
96	100		146833		
61	135.7		112.1	168.1	
98	64.6		51.3	76.9	

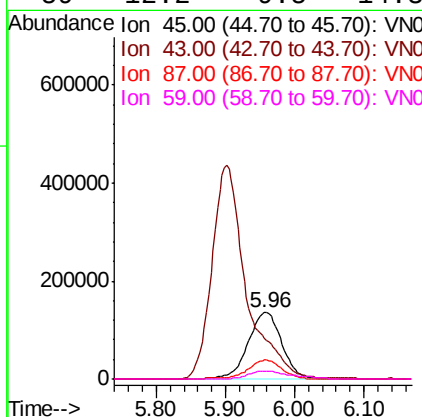
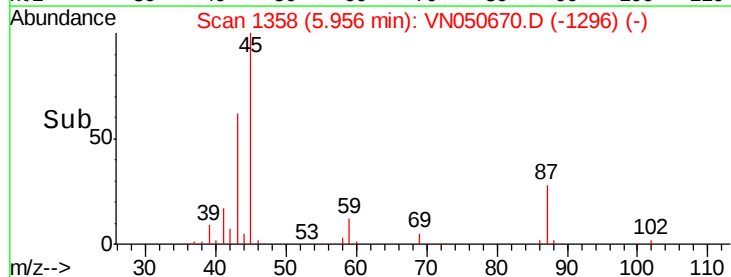
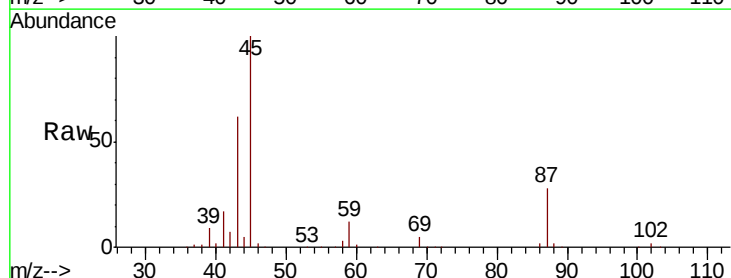
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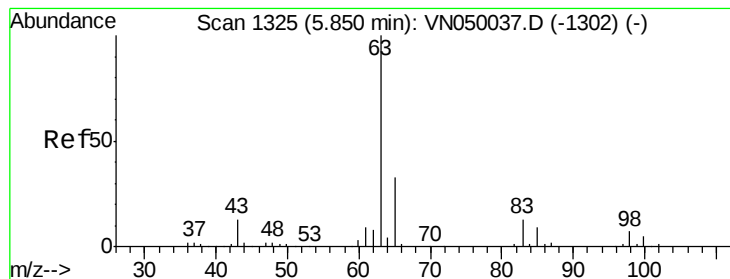
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#20
Diisopropyl ether
Concen: 21.84 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
45	100		458239		
43	60.1		46.6	70.0	
87	28.1		22.3	33.5	
59	12.2		9.5	14.3	





#21

1,1-Dichloroethane

Concen: 20.56 ug/l

RT: 5.85 min Scan# 1325

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

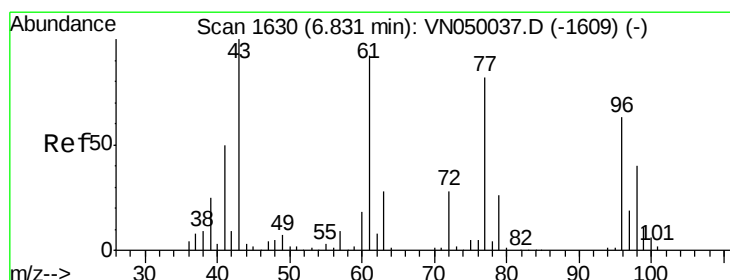
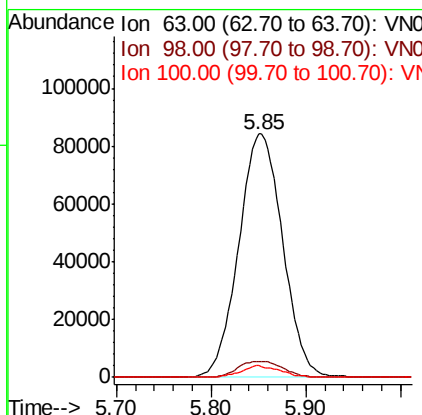
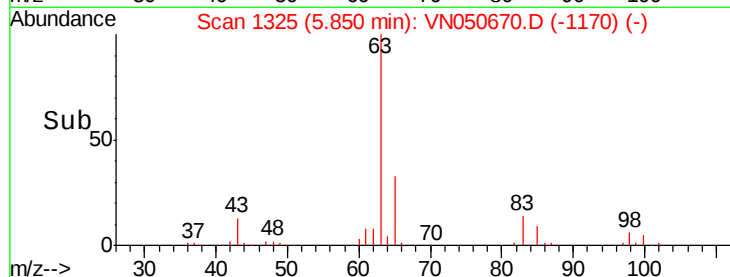
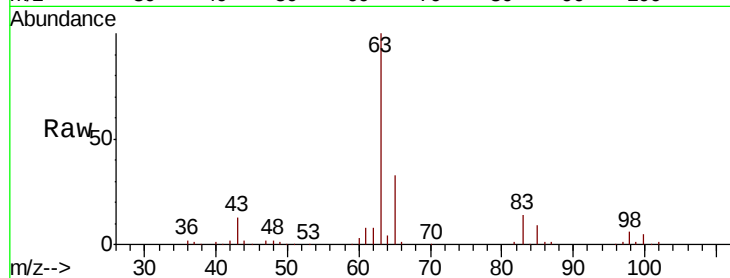
ClientSampleId :

VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
98	6.4	3.5	10.6
100	4.8	2.3	6.8

Manual Integrations
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#22

cis-1,2-Dichloroethene

Concen: 21.02 ug/l

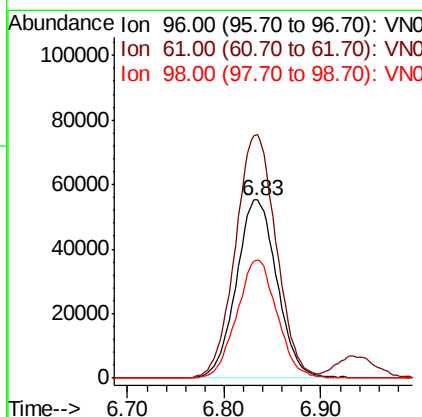
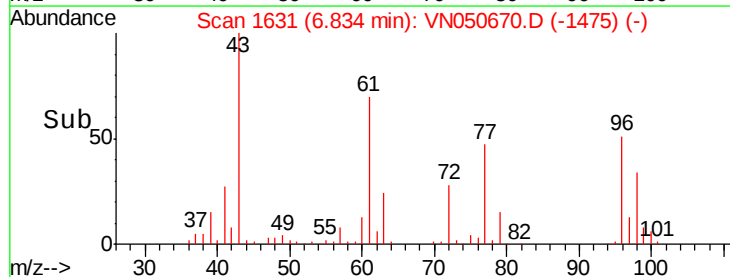
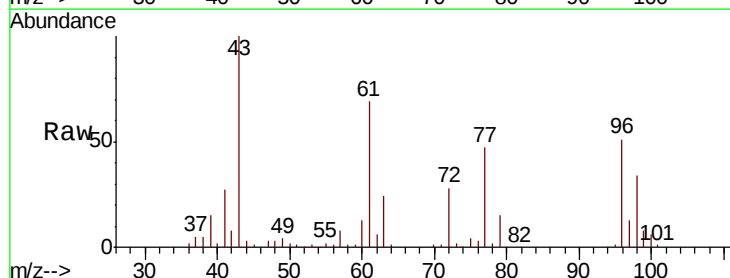
RT: 6.83 min Scan# 1631

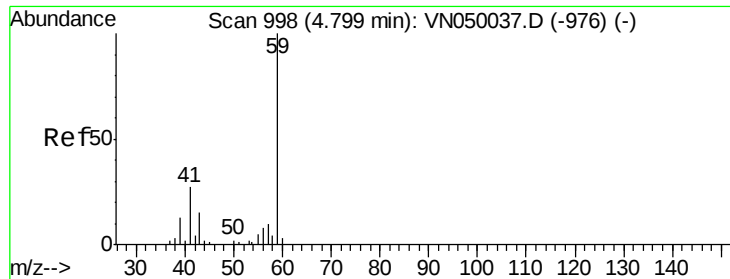
Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
96	100		
61	137.0	114.2	171.2
98	65.3	51.7	77.5





#23

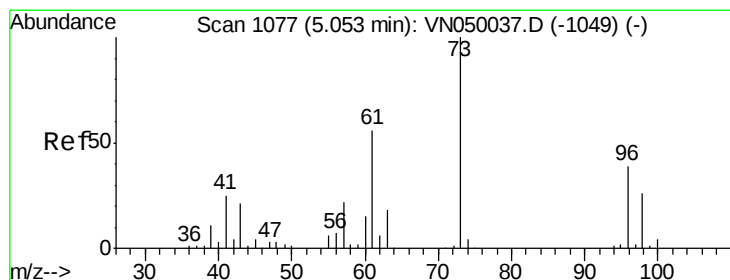
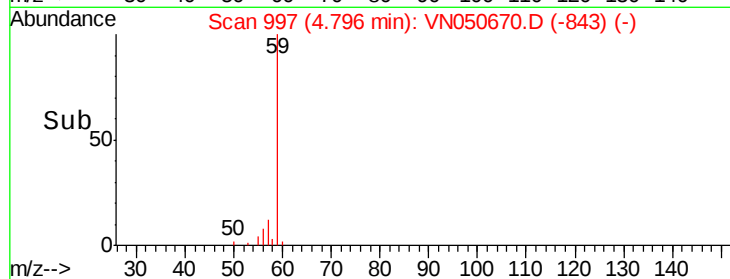
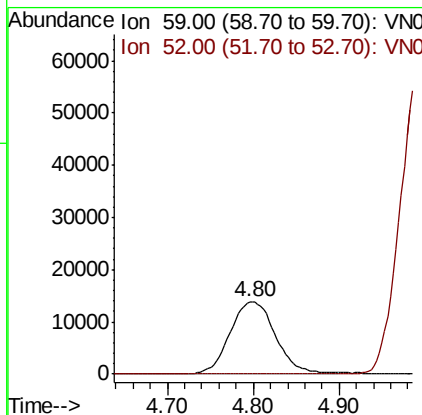
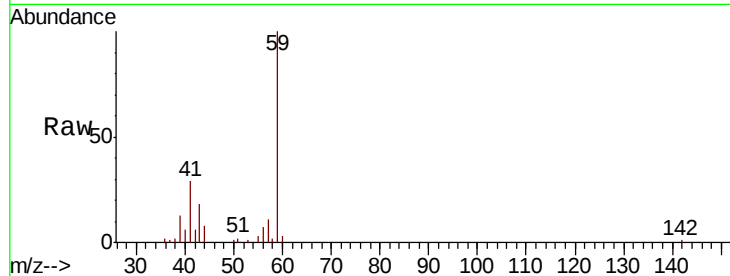
tert-Butyl Alcohol
Concen: 92.52 ug/l
RT: 4.80 min Scan# 997
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion: 59 Resp: 51199
Ion Ratio Lower Upper
59 100
52 0.0 0.1 0.1#

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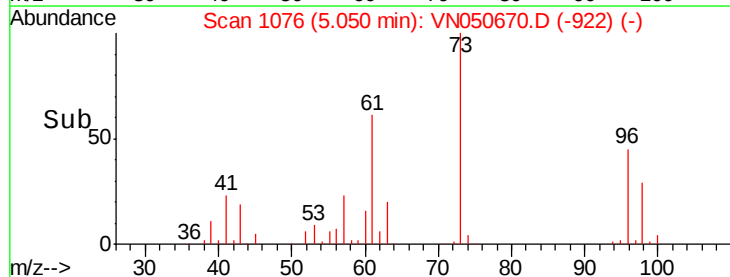
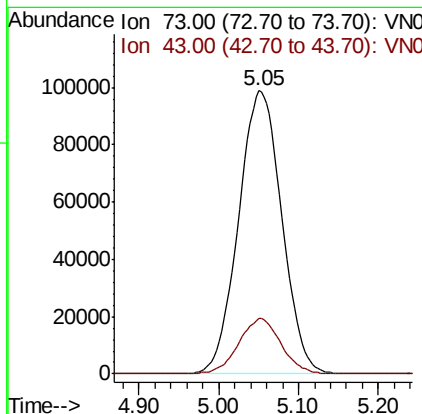
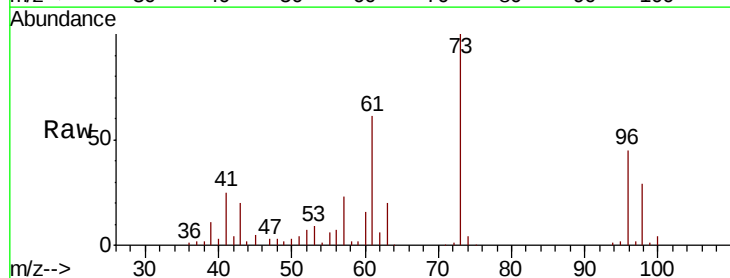
MMDadoda
8/16/2018 1:18:58 PM

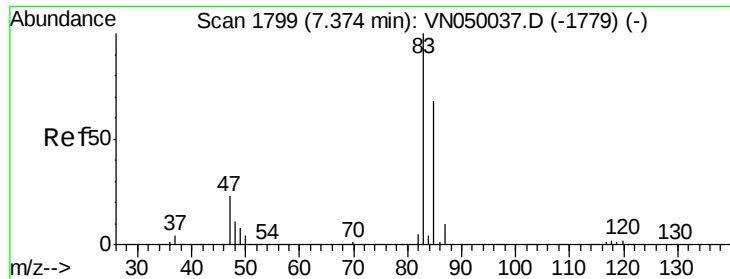


#24

Methyl tert-Butyl Ether
Concen: 20.60 ug/l
RT: 5.05 min Scan# 1076
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 73 Resp: 364000
Ion Ratio Lower Upper
73 100
43 18.8 15.5 23.3





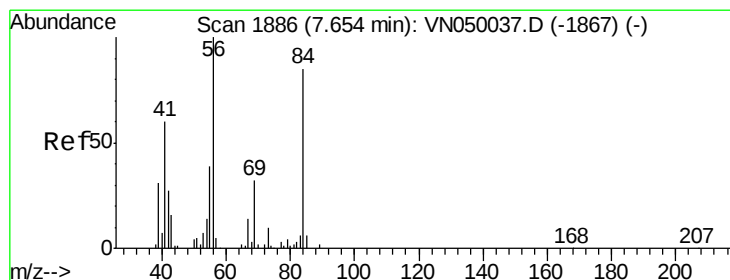
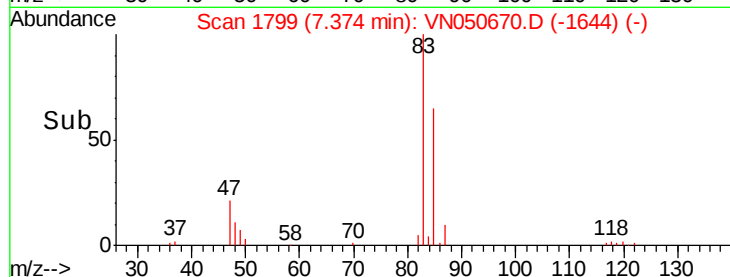
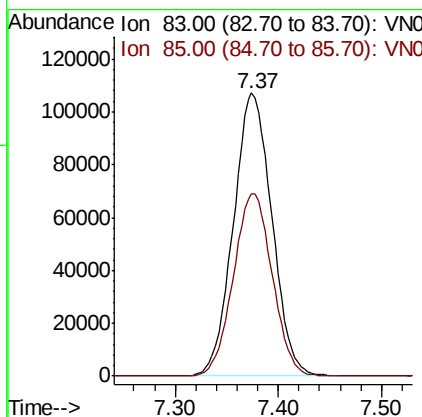
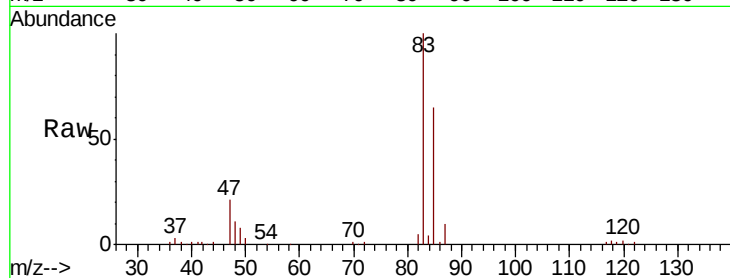
#25
Chloroform
Concen: 20.82 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	83	Resp	278060
Ion Ratio	100	Lower	Upper
83	100		
85	64.6	52.1	78.1

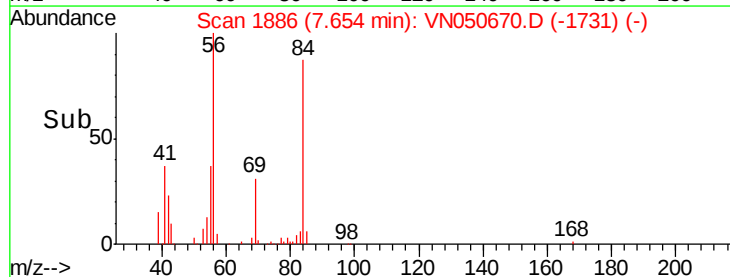
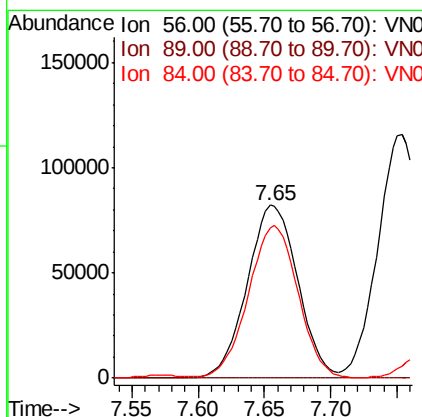
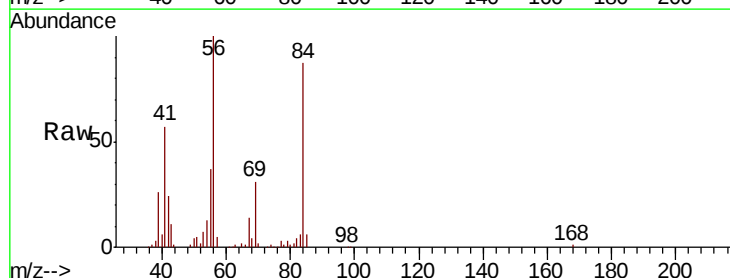
Manual Integrations
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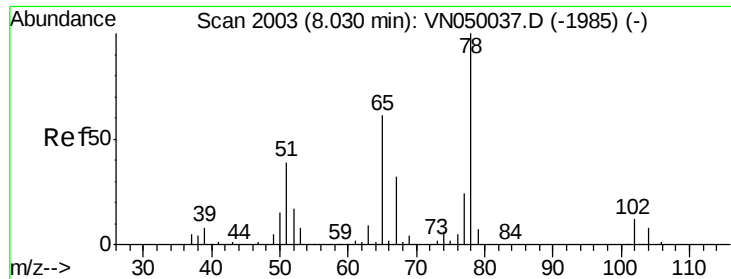
MMDadoda
8/16/2018 1:18:58 PM



#26
Cyclohexane
Concen: 20.91 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	56	Resp	219242
Ion Ratio	100	Lower	Upper
56	100		
89	0.0	3.0	4.4#
84	85.7	69.8	104.8





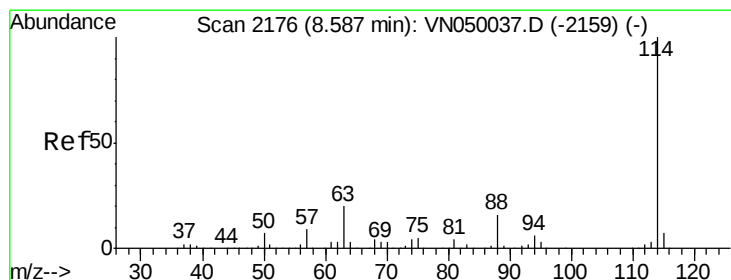
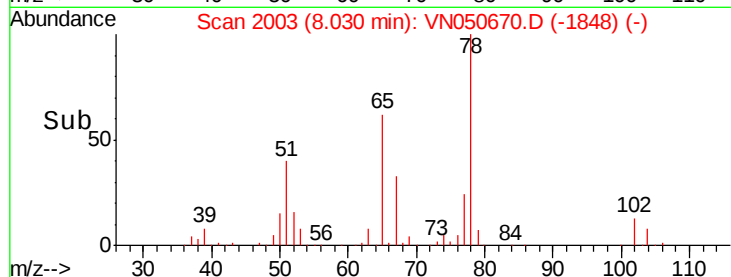
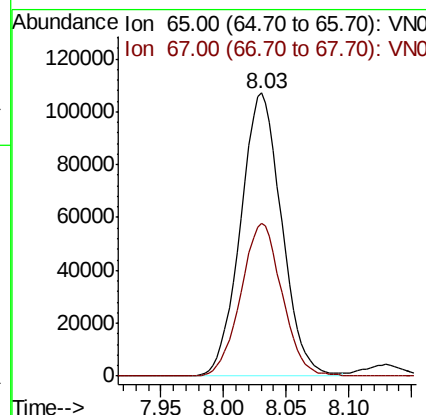
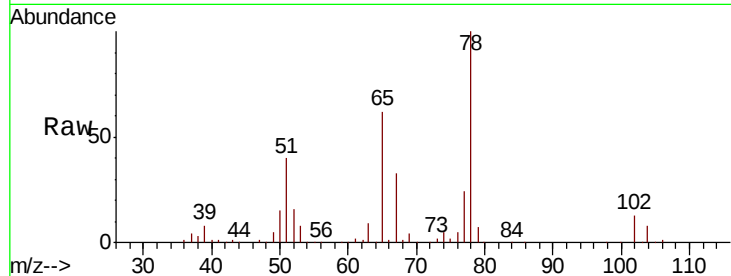
#27
 1,2-Dichloroethane-d4
 Concen: 29.53 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
65	100		
67	54.0	42.7	64.1

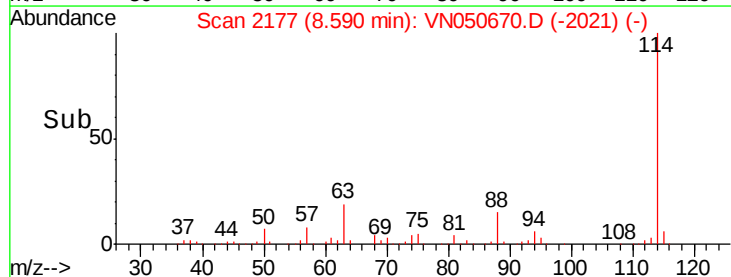
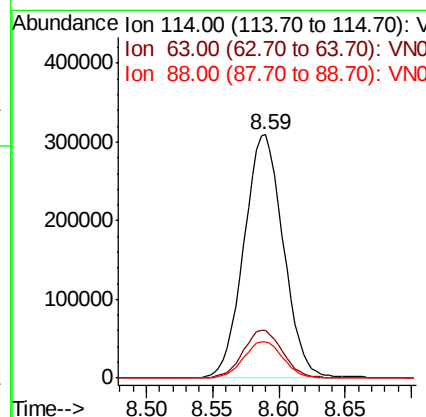
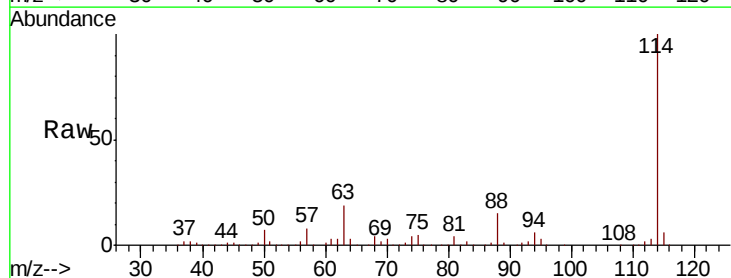
Manual Integrations
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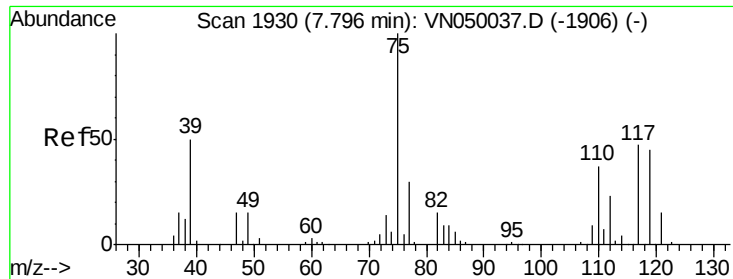
MMDadoda
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#28
 1,4-Difluorobenzene
 Concen: 30.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
114	100		
63	19.7	16.2	24.2
88	15.0	12.3	18.5





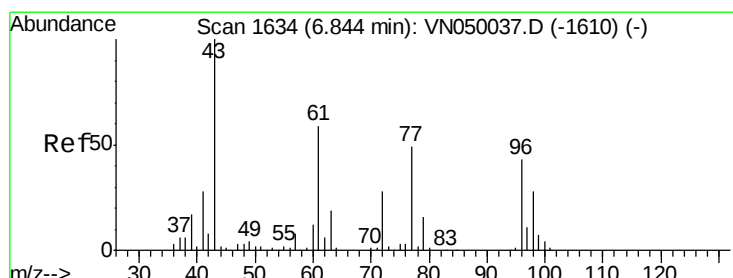
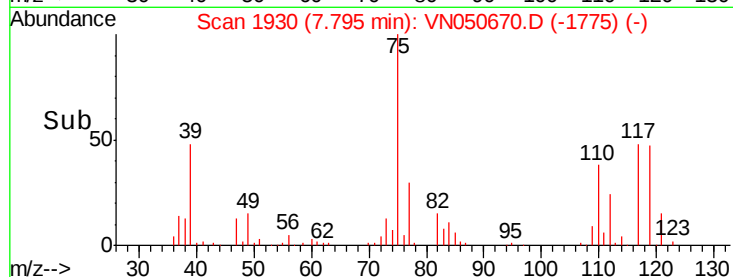
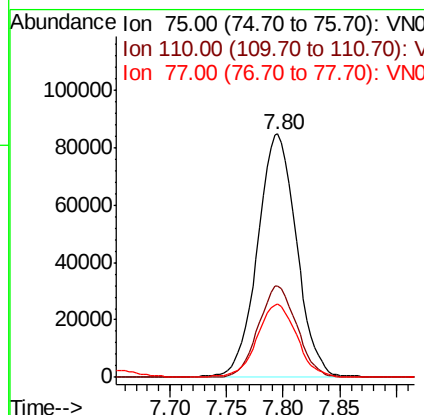
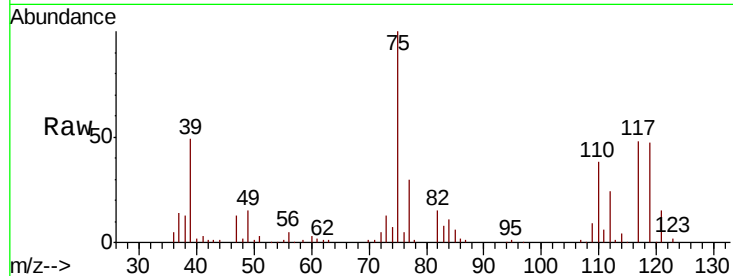
#29
 1,1-Dichloropropene
 Concen: 20.46 ug/l
 RT: 7.80 min Scan# 1930
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Resp Lower	Upper
75	100		
110	36.9	0.0	73.2
77	30.6	0.0	62.0

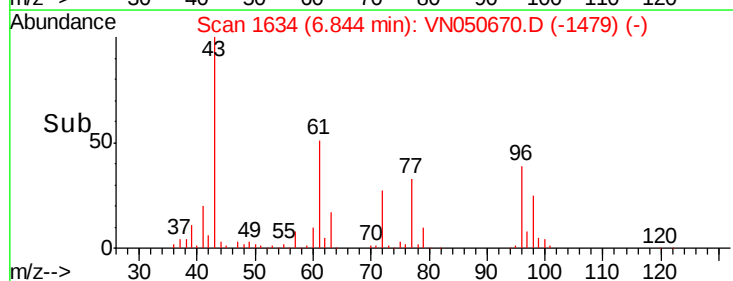
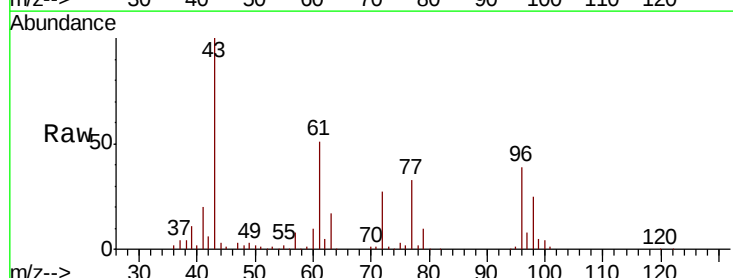
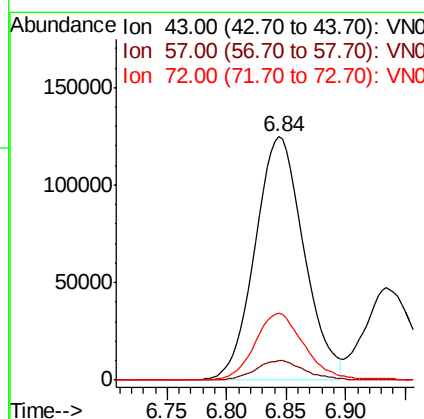
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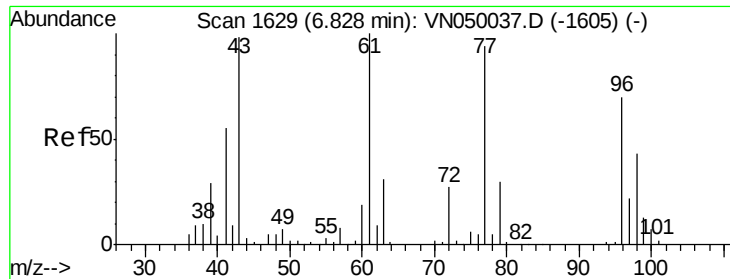
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#30
 2-Butanone
 Concen: 113.53 ug/l
 RT: 6.84 min Scan# 1634
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Resp Lower	Upper
43	100		
57	8.2	6.8	10.2
72	27.6	21.4	32.0





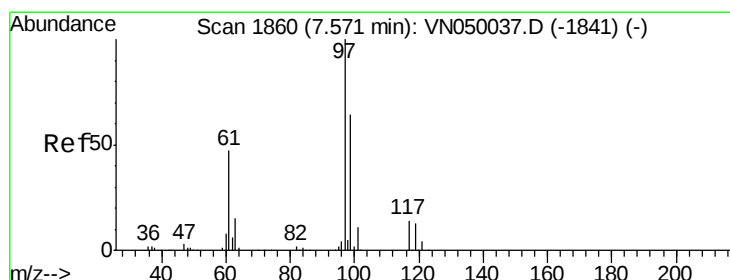
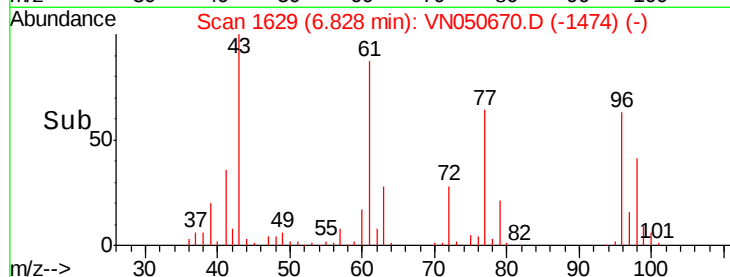
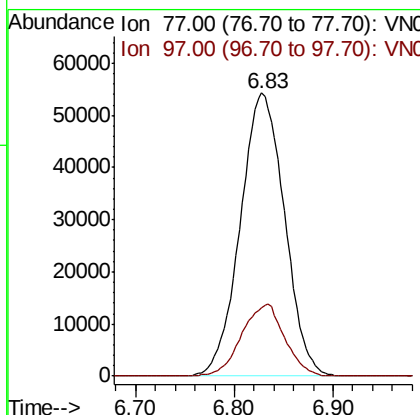
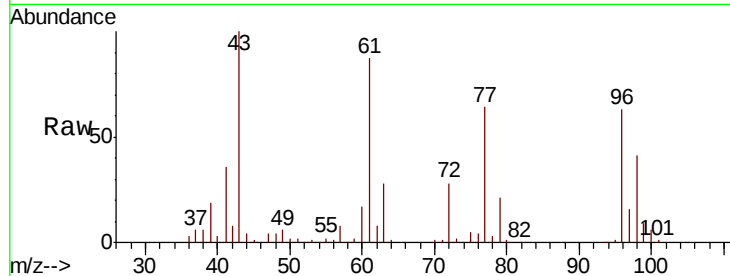
#31
 2,2-Dichloropropane
 Concen: 15.36 ug/l
 RT: 6.83 min Scan# 1629
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
77	100		
97	24.8	18.9	28.3

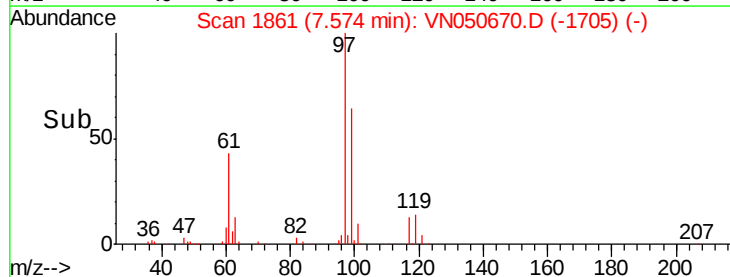
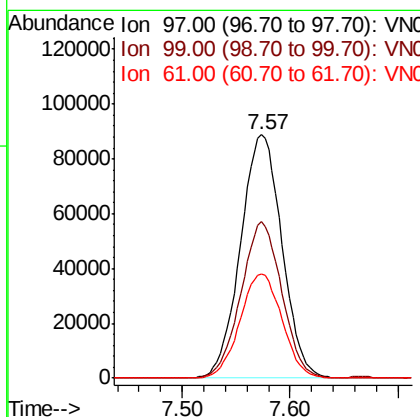
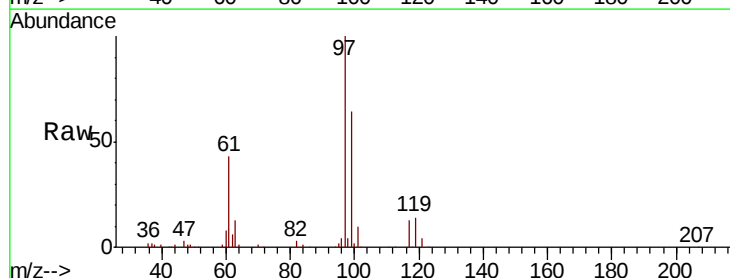
Manual Integrations
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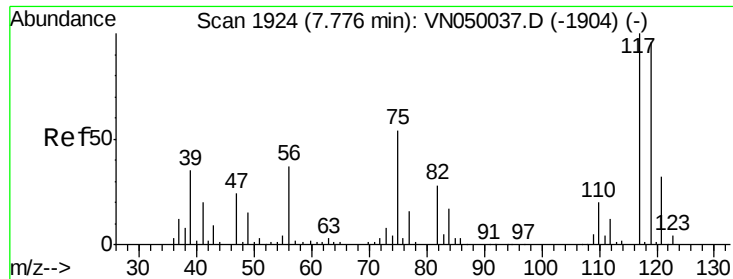
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#32
 1,1,1-Trichloroethane
 Concen: 20.28 ug/l
 RT: 7.57 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
97	100		
99	63.2	51.2	76.8
61	43.5	35.3	52.9





#33

Carbon Tetrachloride

Concen: 19.96 ug/l

RT: 7.78 min Scan# 1924

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

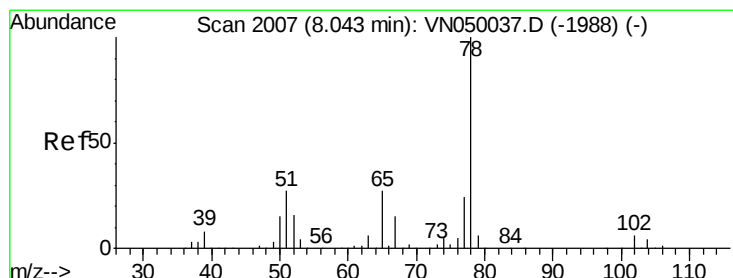
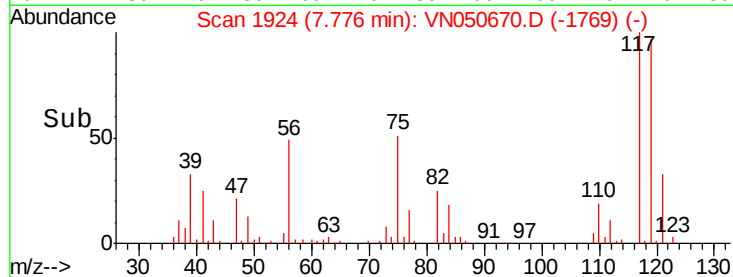
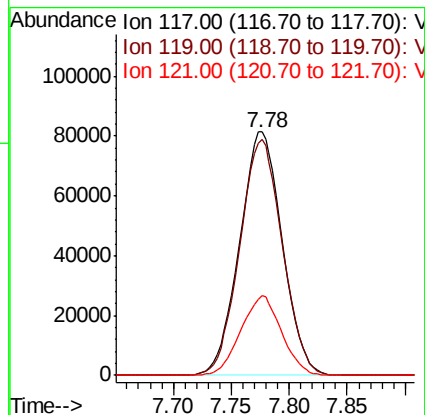
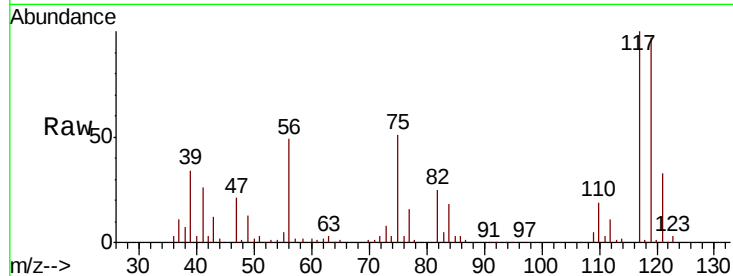
ClientSampleId :

VN0815WBSD02

Tot Ion:	117	Resp:	207925
Ion Ratio	Lower	Upper	
117	100		
119	96.5	76.9	115.3
121	32.8	24.4	36.6

Manual Integrations
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#34

Benzene

Concen: 20.79 ug/l

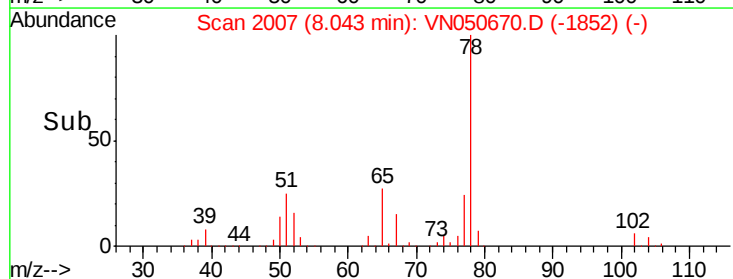
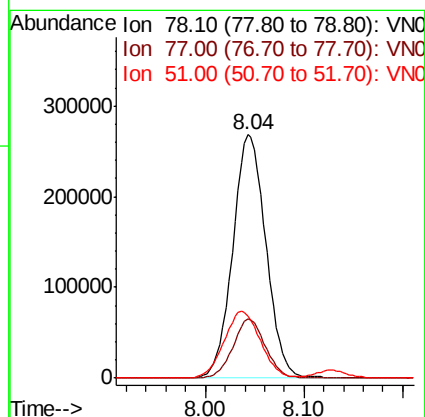
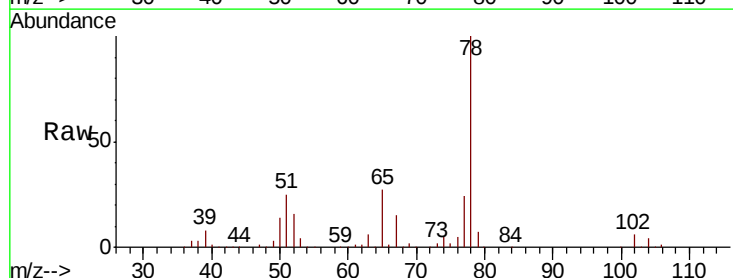
RT: 8.04 min Scan# 2007

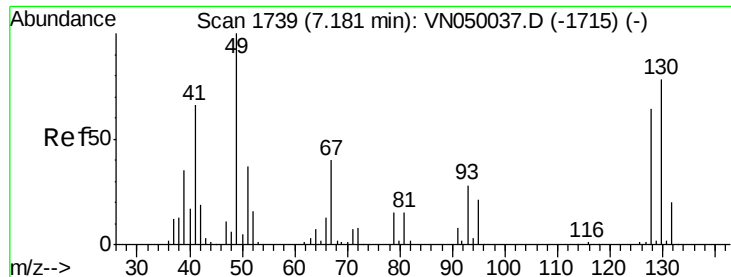
Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	78	Resp:	626712
Ion Ratio	Lower	Upper	
78	100		
77	24.1	19.1	28.7
51	25.2	21.0	31.4





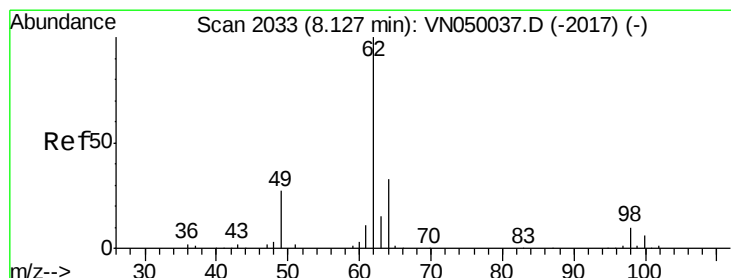
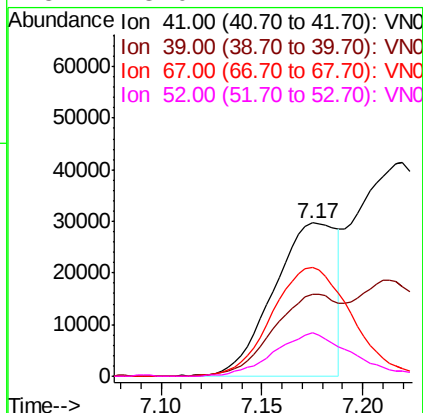
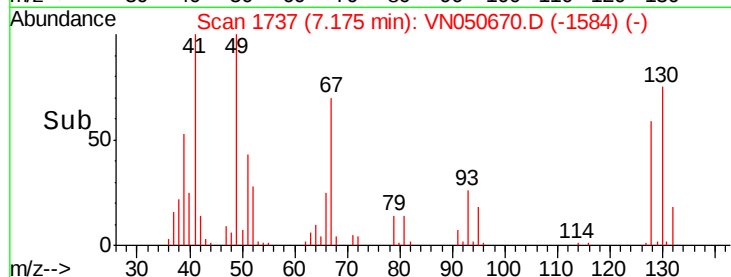
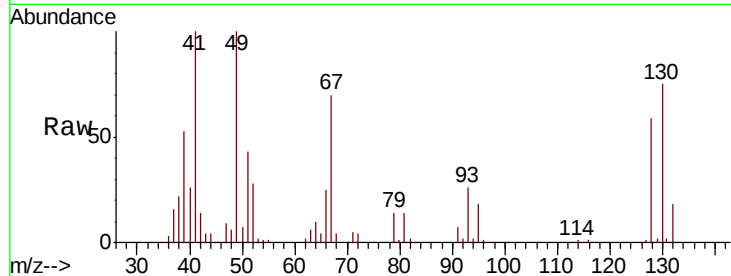
#35
Methacrylonitrile
Concen: 18.19 ug/l
RT: 7.17 min Scan# 1737
Delta R.T. -0.01 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ion	Ratio	Lower	Upper
41	100			
39	53.5	27.6	82.7	
67	70.5	35.1	105.5	
52	28.0	14.1	42.4	

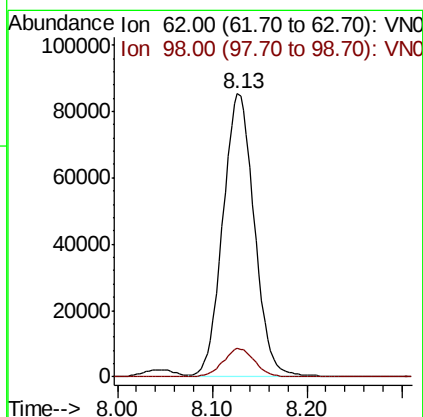
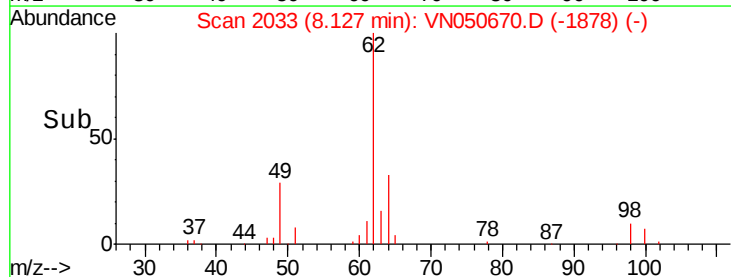
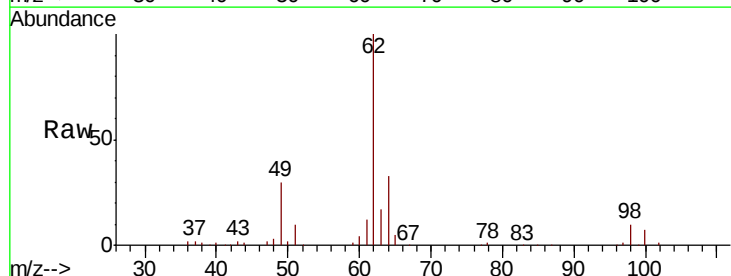
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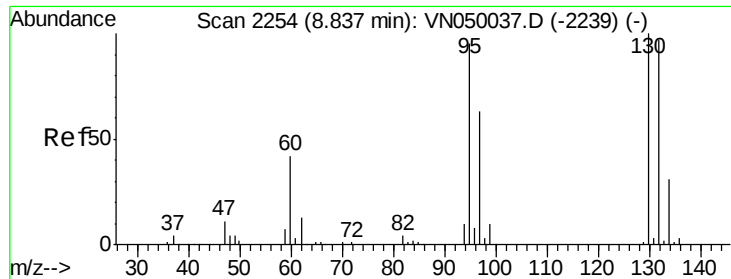
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#36
1,2-Dichloroethane
Concen: 19.86 ug/l
RT: 8.13 min Scan# 2033
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ion	Ratio	Lower	Upper
62	100			
98	10.0	7.8	11.6	





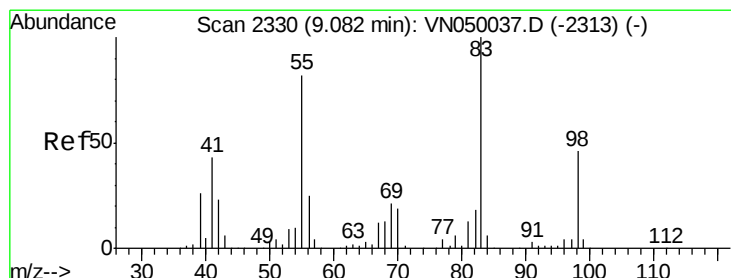
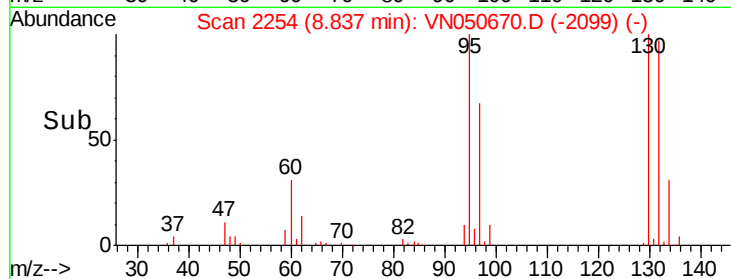
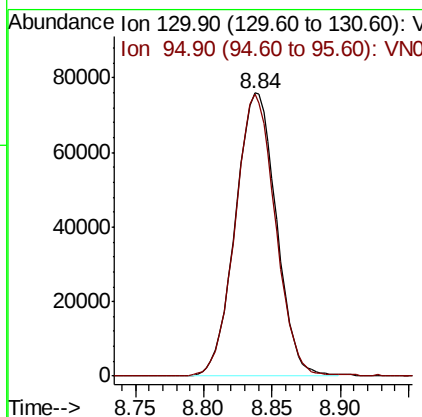
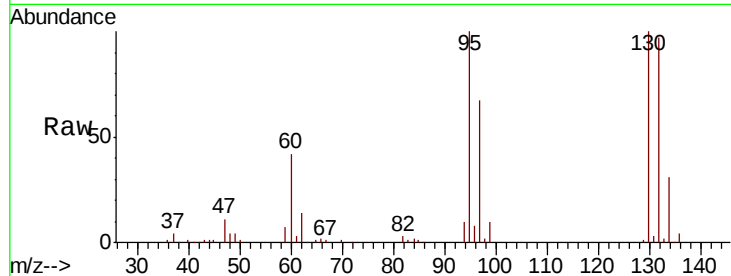
#37
 Trichloroethene
 Concen: 20.01 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion:130 Resp: 158212
 Ion Ratio Lower Upper
 130 100
 95 99.5 79.7 119.5

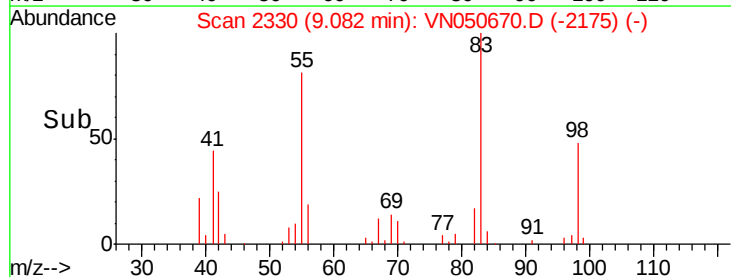
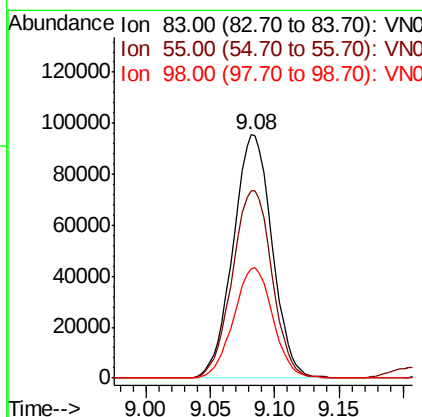
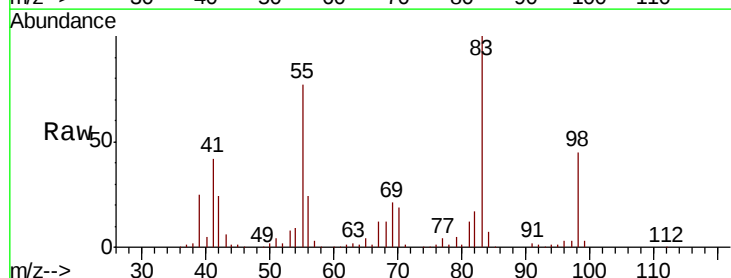
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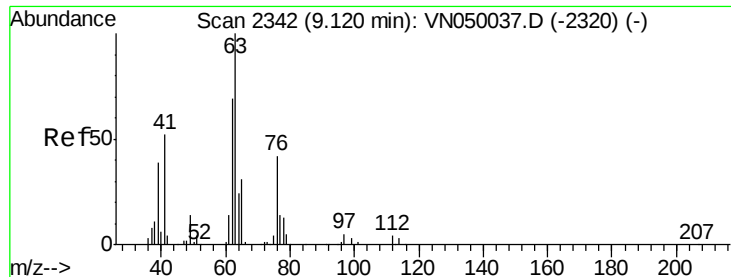
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#38
 Methylcyclohexane
 Concen: 19.25 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion: 83 Resp: 201461
 Ion Ratio Lower Upper
 83 100
 55 78.5 39.3 117.8
 98 45.5 23.0 69.0





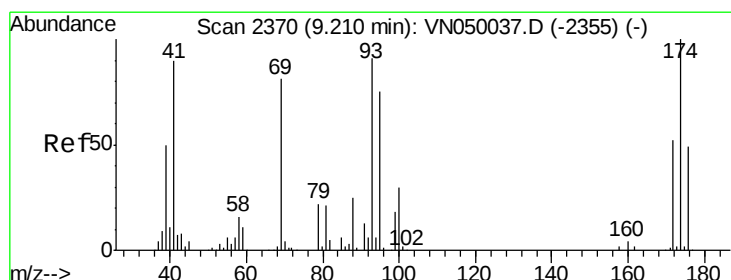
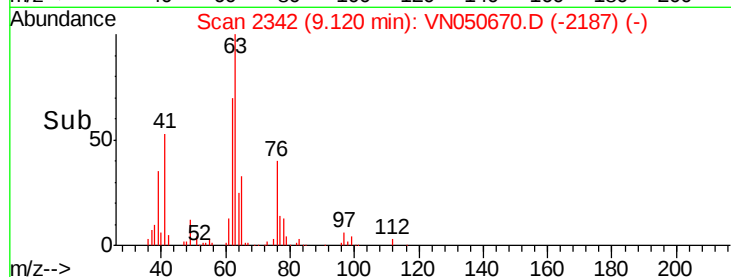
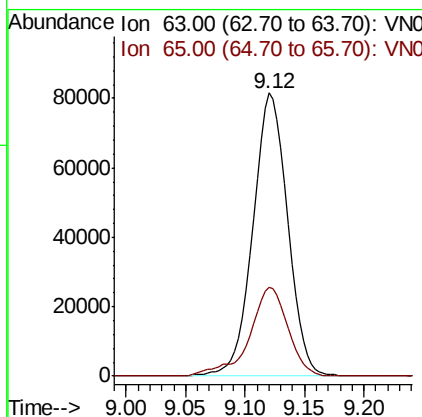
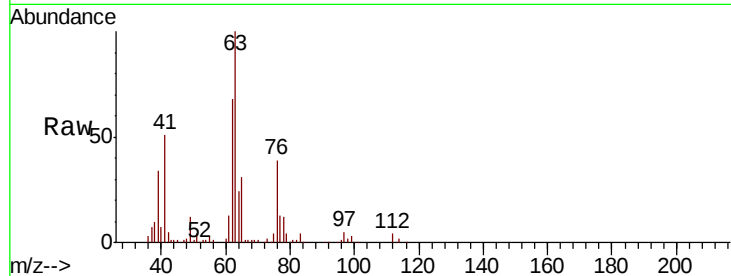
#39
 1,2-Dichloropropane
 Concen: 20.80 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
63	100		
65	31.1	24.2	36.2

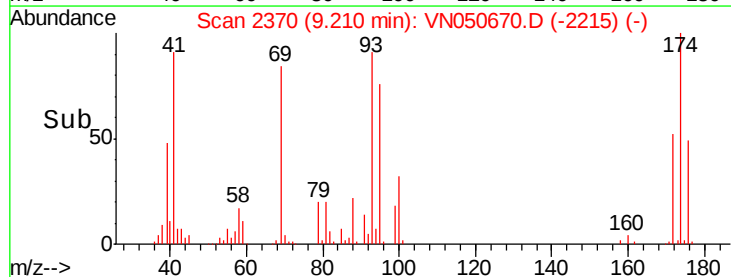
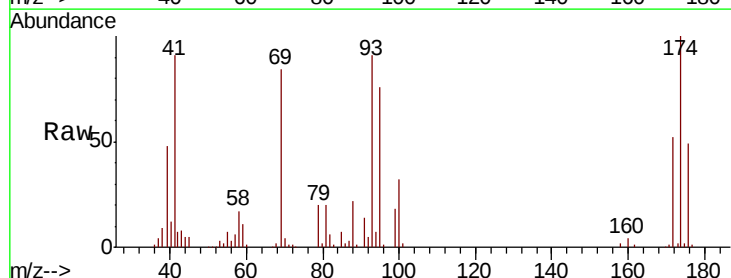
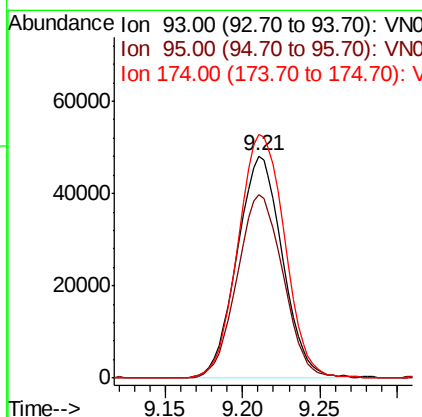
Manual Integrations
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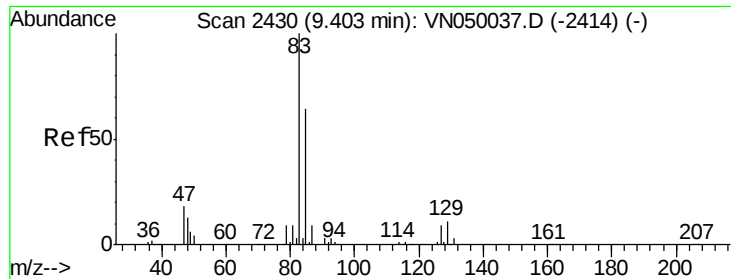
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#40
 Dibromomethane
 Concen: 20.00 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
93	100		
95	83.4	0.0	165.6
174	112.9	0.0	223.2





#41

Bromodichloromethane

Concen: 20.12 ug/l

RT: 9.40 min Scan# 2430

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

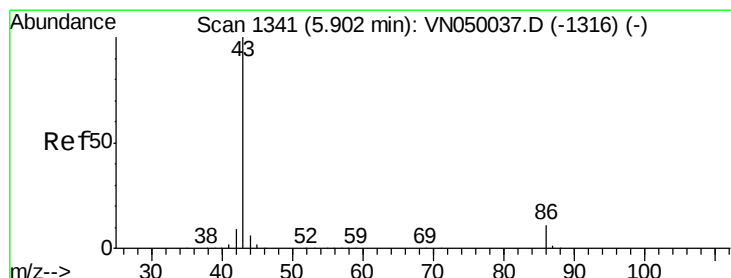
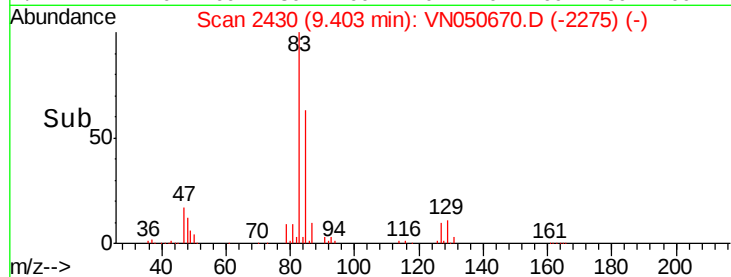
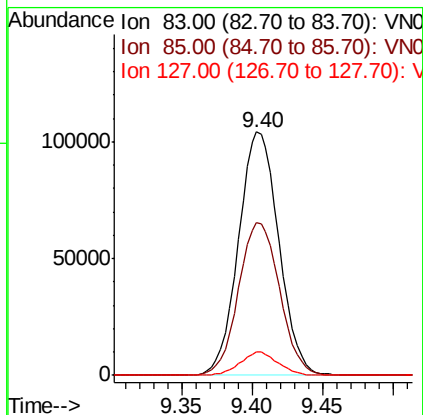
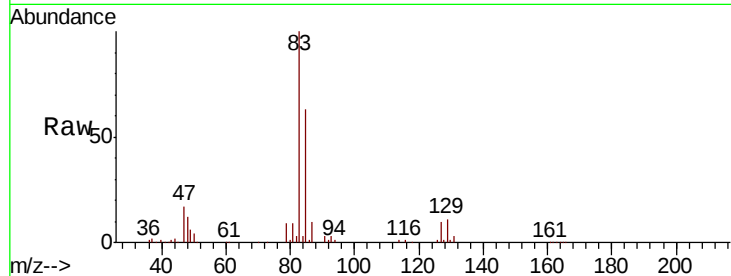
ClientSampleId :

VN0815WBSD02

Tot Ion:	83	Resp:	208277
Ion Ratio	Lower	Upper	
83	100		
85	62.6	52.6	78.8
127	9.6	7.0	10.4

Manual Integrations
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#42

Vinyl Acetate

Concen: 102.05 ug/l

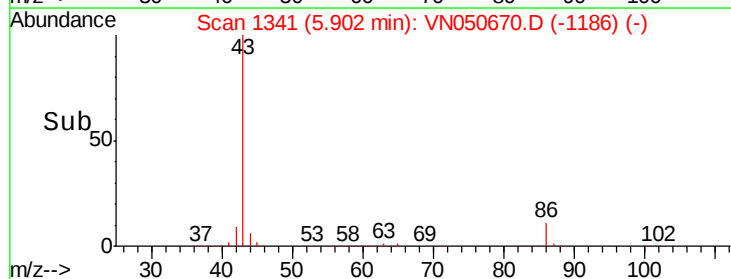
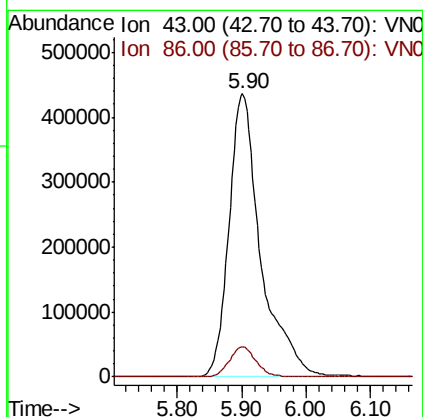
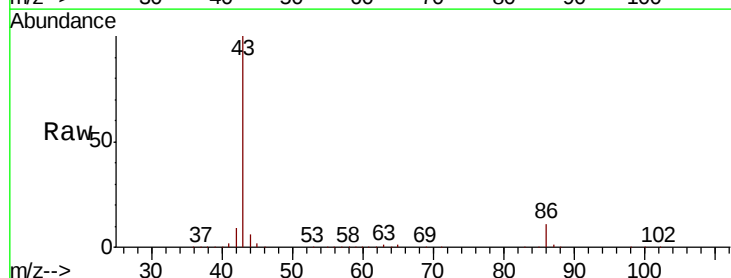
RT: 5.90 min Scan# 1341

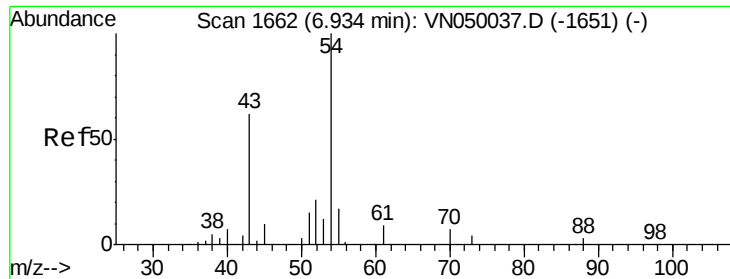
Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	43	Resp:	1495942
Ion Ratio	Lower	Upper	
43	100		
86	9.1	7.3	10.9





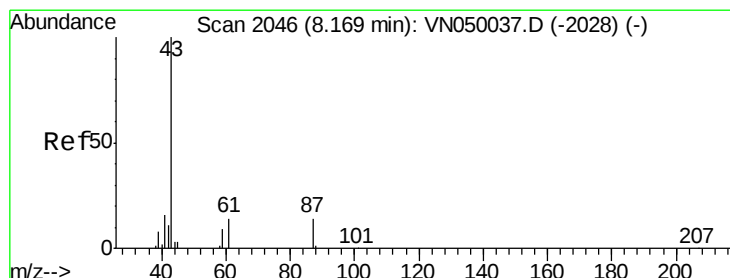
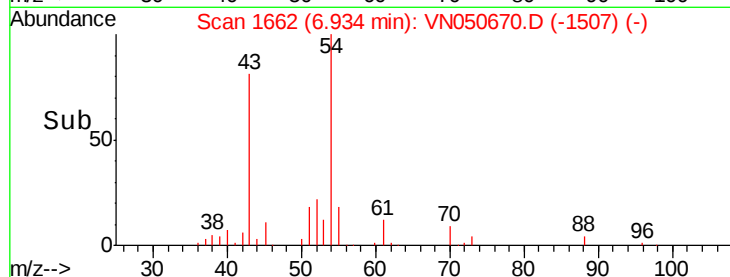
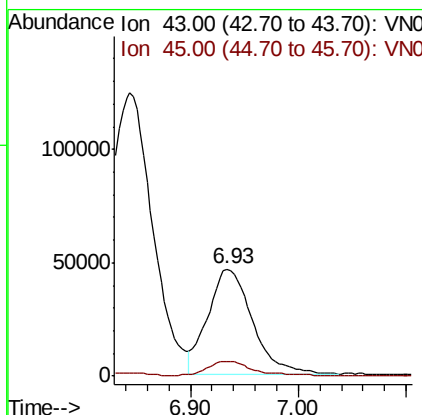
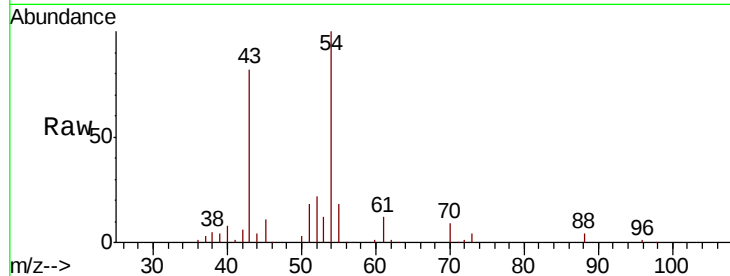
#43
Ethyl Acetate
Concen: 20.51 ug/l
RT: 6.93 min Scan# 1662
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion: 43 Resp: 133437
Ion Ratio Lower Upper
43 100
45 15.4 13.0 19.6

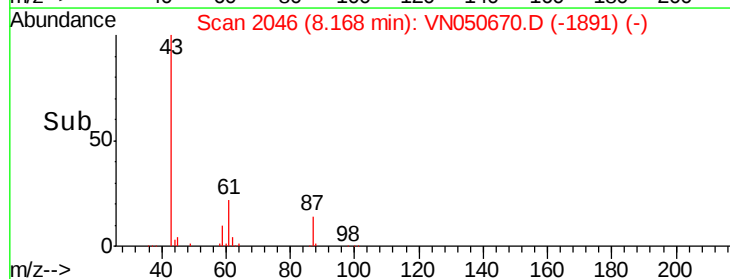
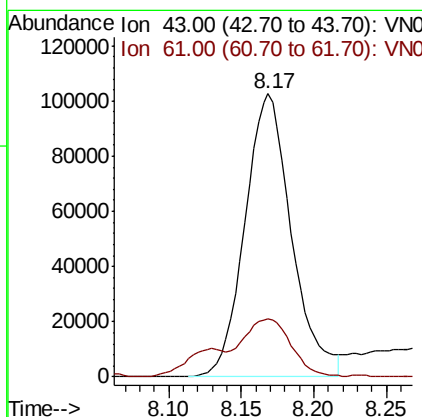
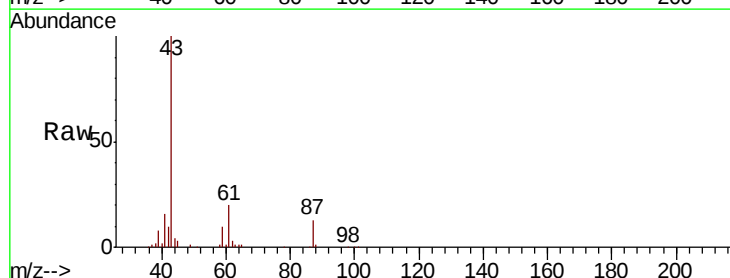
Manual Integrations
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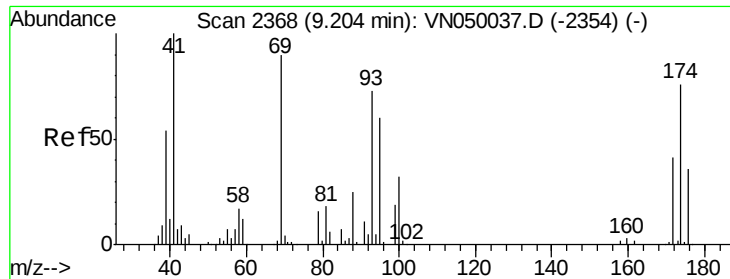
MMDadoda
8/16/2018 1:18:58 PM



#44
Isopropyl Acetate
Concen: 18.91 ug/l
RT: 8.17 min Scan# 2046
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion: 43 Resp: 227824
Ion Ratio Lower Upper
43 100
61 20.3 16.4 24.6





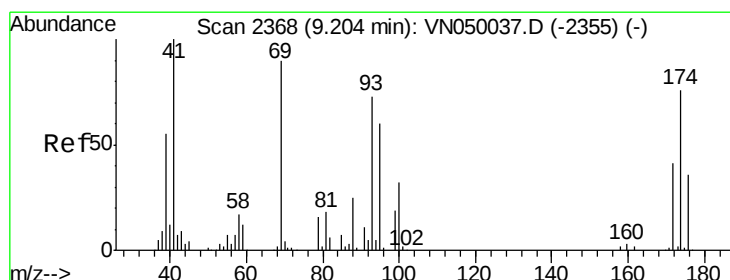
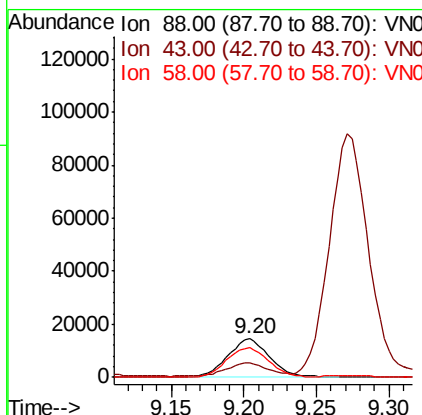
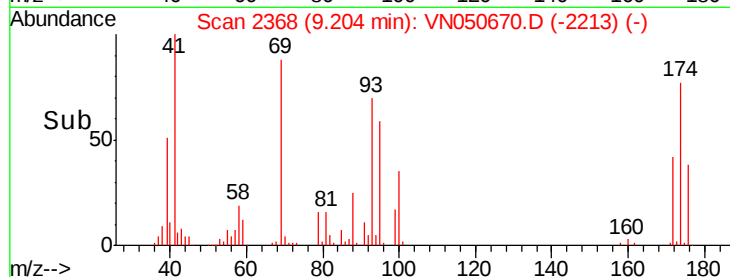
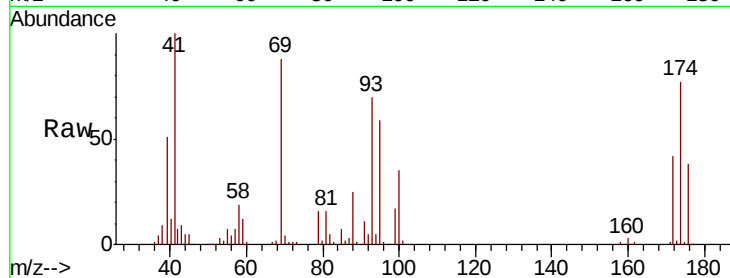
#45
 1,4-Dioxane
 Concen: 367.98 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	88	Resp	29179
Ion	Ratio	Lower	Upper
88	100		
43	33.0	26.9	40.3
58	76.9	53.6	80.4

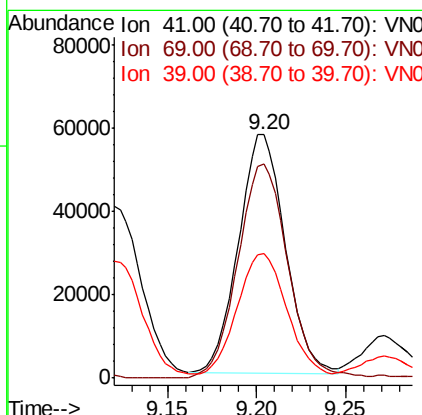
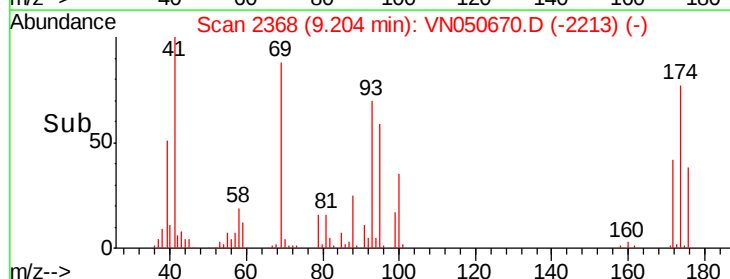
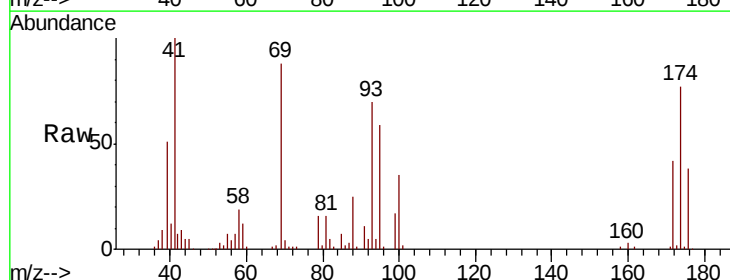
Manual Integrations
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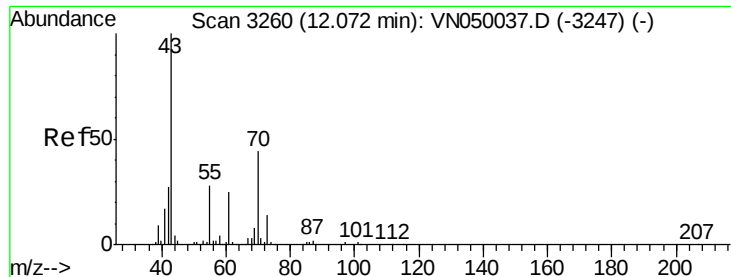
MMDadoda
 8/16/2018 1:18:58 PM



#46
 Methyl methacrylate
 Concen: 18.01 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	41	Resp	105183
Ion	Ratio	Lower	Upper
41	100		
69	89.8	44.0	132.1
39	50.6	27.0	80.8





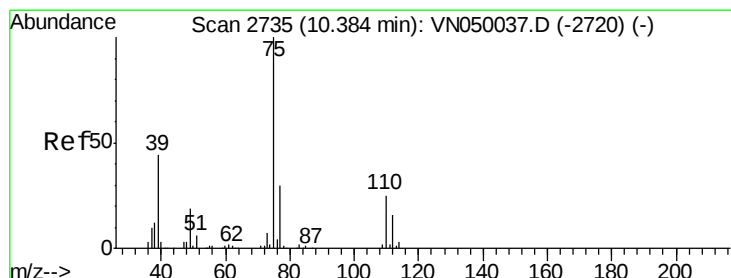
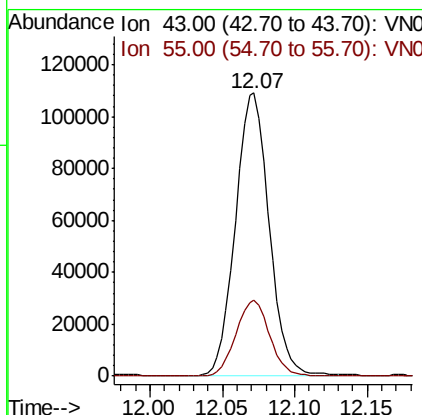
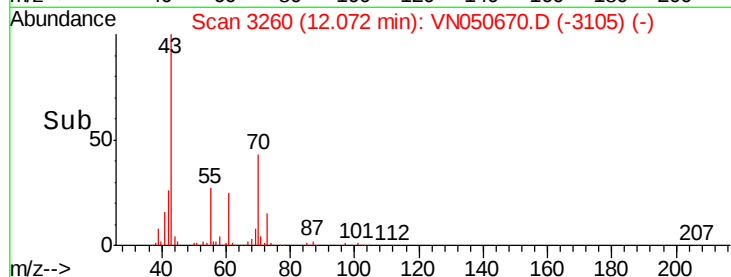
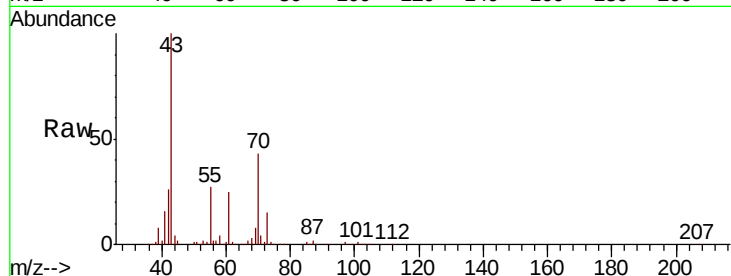
#47
n-amvl Acetate
Concen: 18.66 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	43	Resp	175011
Ion Ratio	100	Lower	Upper
43	100		
55	26.9	21.0	31.4

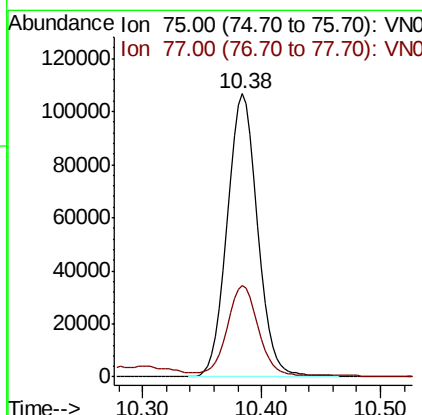
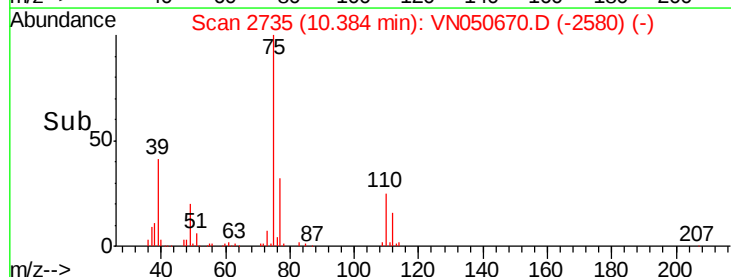
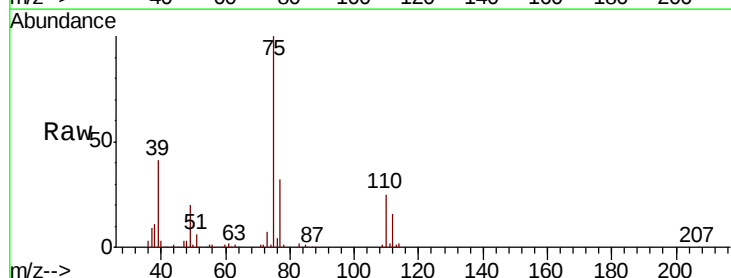
Manual Integrations
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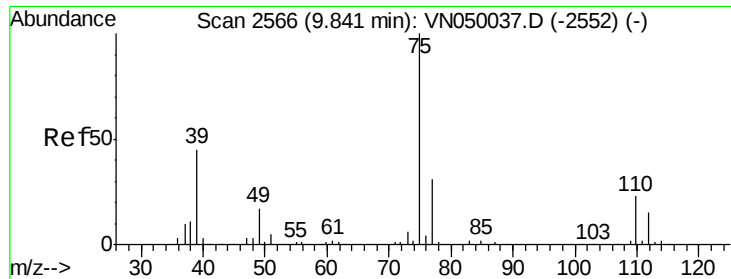
MMDadoda
8/16/2018 1:18:58 PM



#48
t-1,3-Dichloropropene
Concen: 19.19 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	75	Resp	189346
Ion Ratio	100	Lower	Upper
75	100		
77	31.7	24.6	37.0





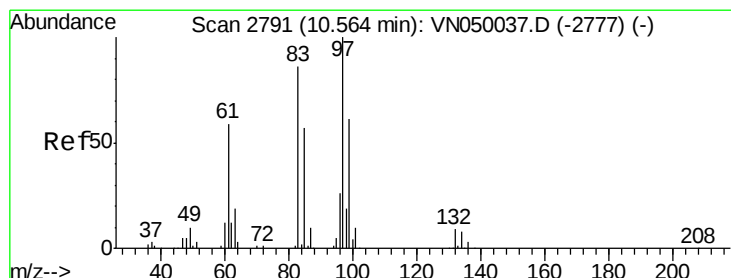
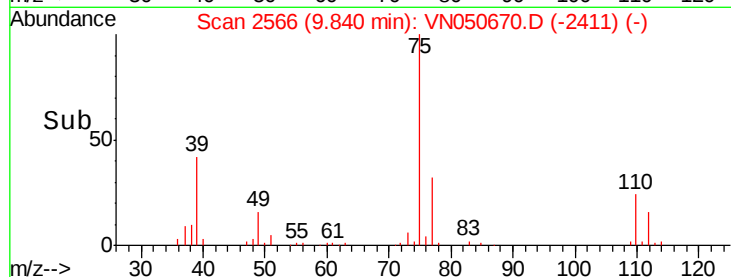
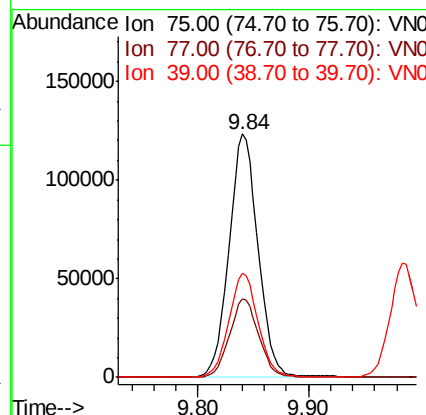
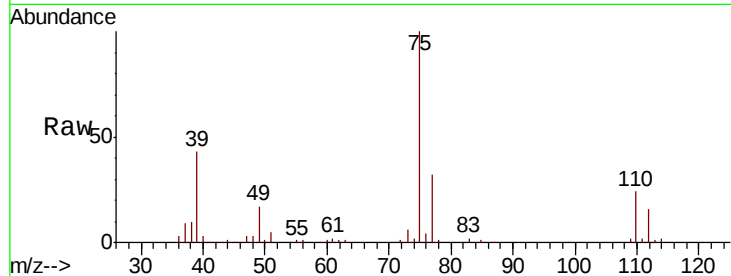
#49
 cis-1,3-Dichloropropene
 Concen: 19.41 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
77	32.1	25.7	38.5
39	42.6	36.3	54.5

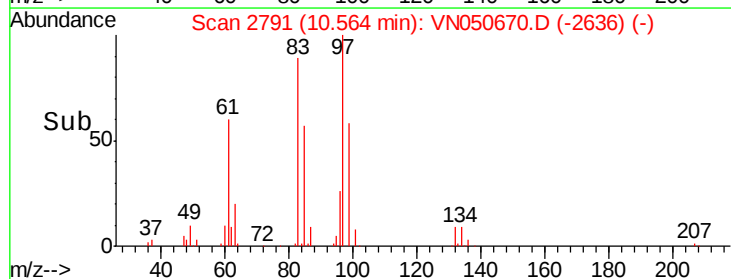
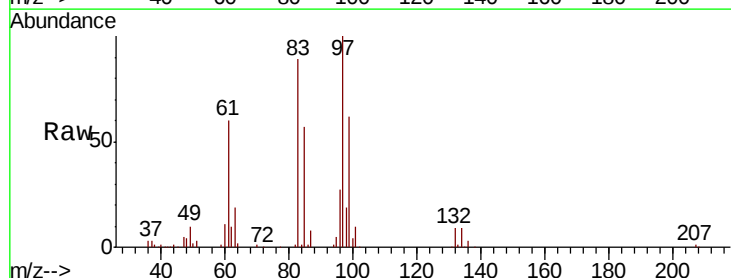
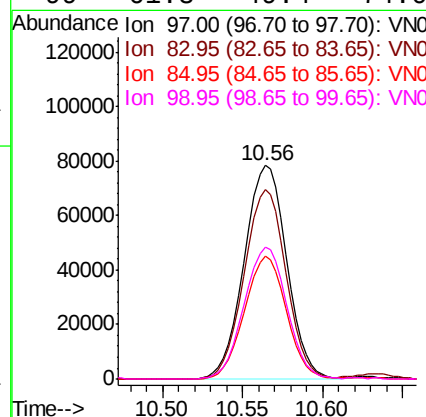
Manual Integrations
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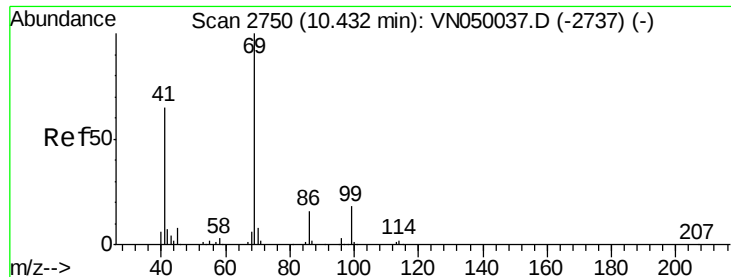
MMDadoda
 8/16/2018 1:18:58 PM



#50
 1,1,2-Trichloroethane
 Concen: 20.27 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
97	100		
83	88.6	68.1	102.1
85	57.5	45.4	68.2
99	61.8	49.4	74.0





#51

Ethyl methacrylate

Concen: 19.37 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

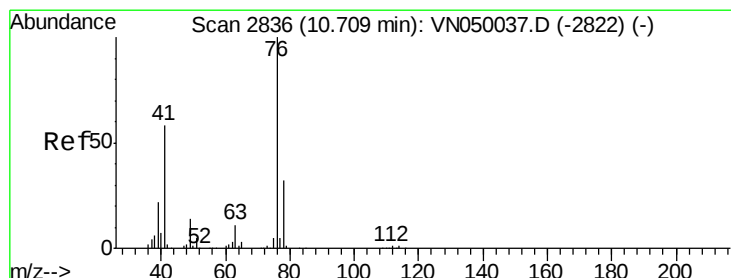
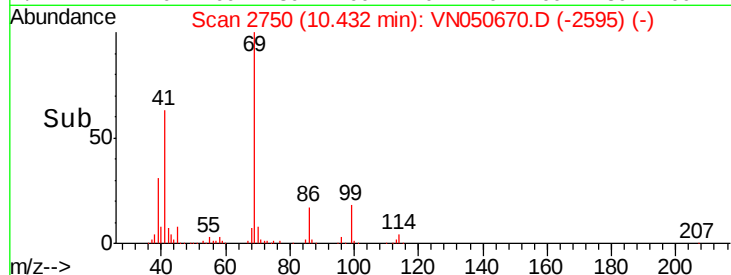
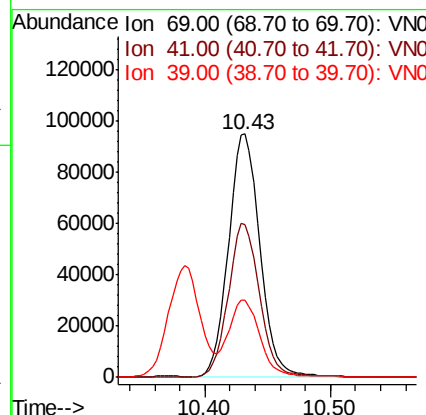
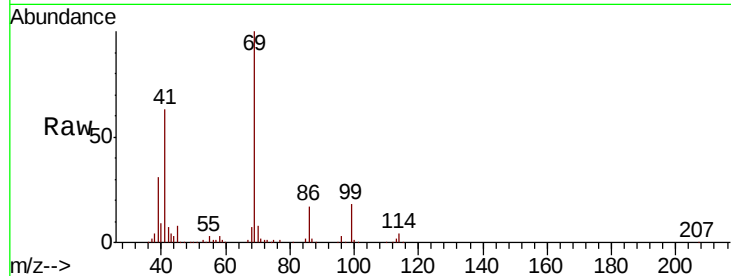
ClientSampleId :

VN0815WBSD02

Tot Ion:	69	Resp:	165635
Ion	Ratio	Lower	Upper
69	100		
41	62.6	31.9	95.9
39	31.1	16.7	50.1

Manual Integrations
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MMDadoda
8/16/2018 1:18:58 PM



#52

1,3-Dichloropropane

Concen: 19.98 ug/l

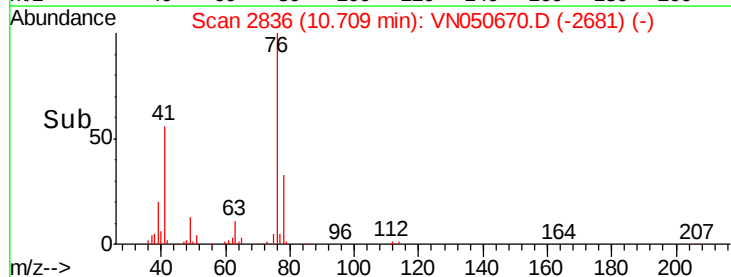
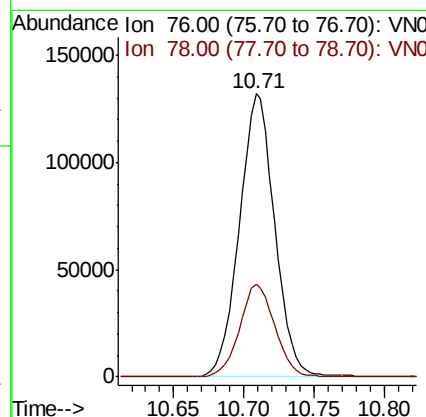
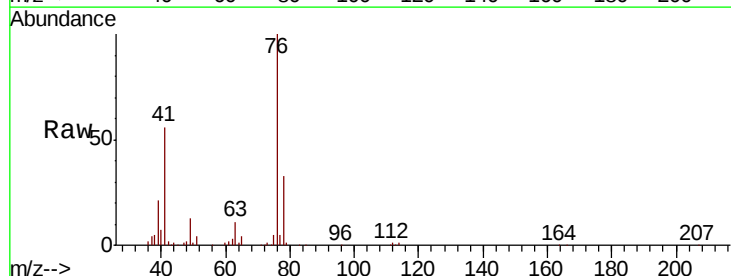
RT: 10.71 min Scan# 2836

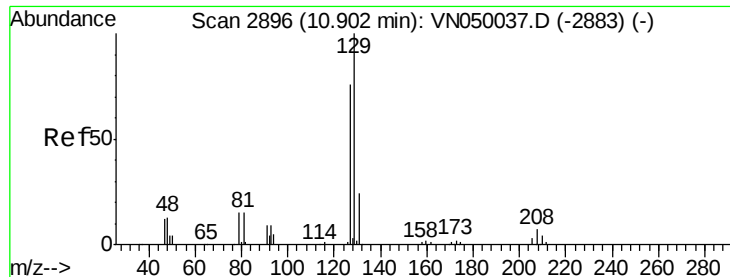
Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	76	Resp:	231132
Ion	Ratio	Lower	Upper
76	100		
78	32.8	0.0	65.6





#53

Dibromochloromethane

Concen: 19.49 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion:129 Resp: 155883

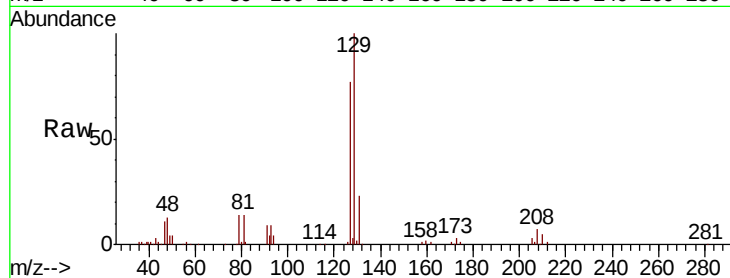
Ion Ratio Lower Upper

129 100

127 76.8 38.1 114.5

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Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

100000

80000

60000

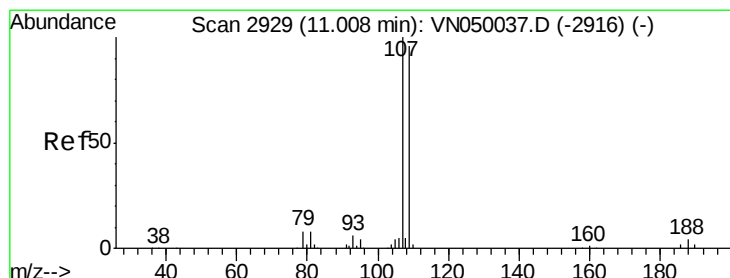
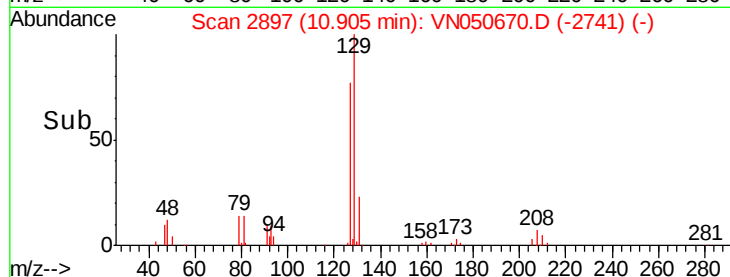
40000

20000

0

10.85 10.90 10.95

Time-->



#54

1,2-Dibromoethane

Concen: 19.53 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050670.D

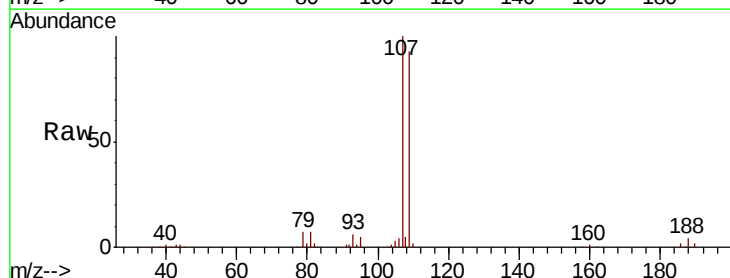
Acq: 15 Aug 2018 22:14

Tgt Ion:107 Resp: 134794

Ion Ratio Lower Upper

107 100

109 94.9 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

80000

60000

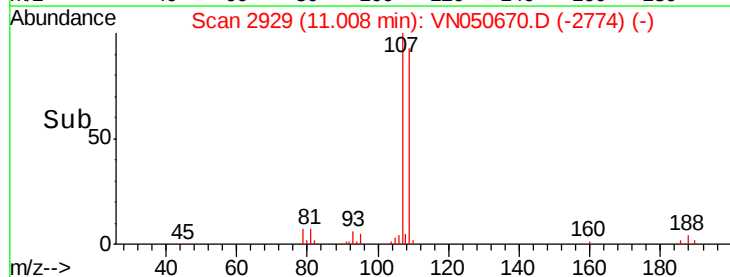
40000

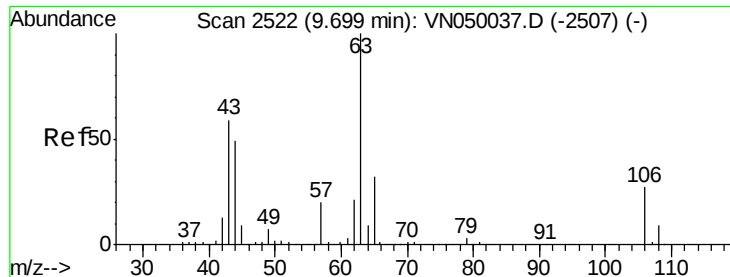
20000

0

11.00 11.10

Time-->





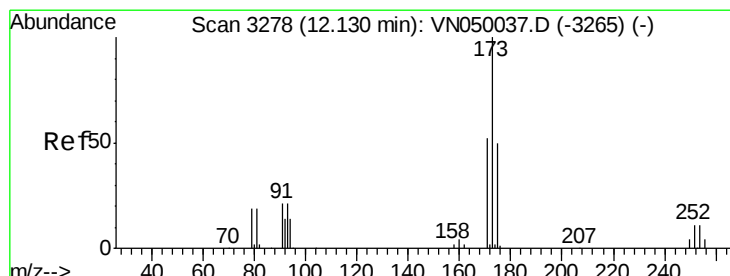
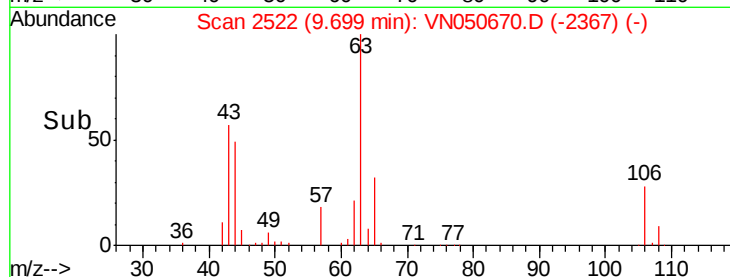
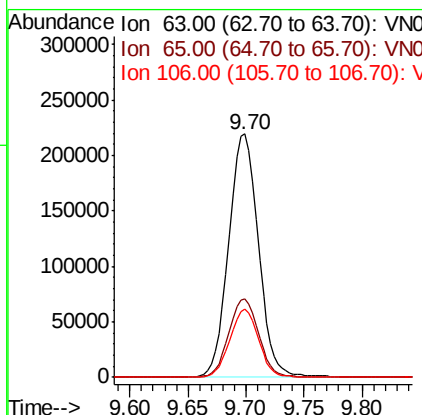
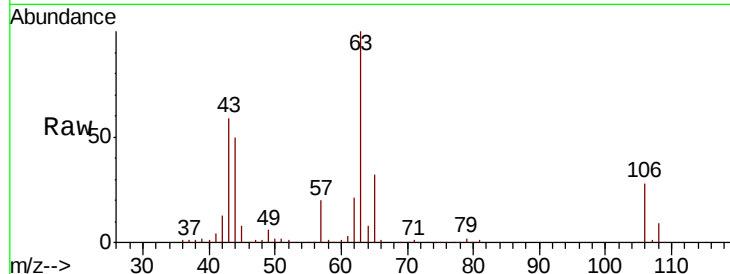
#55
2-Chloroethyl vinyl ether
Concen: 100.72 ug/l
RT: 9.70 min Scan# 2522
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	63	Resp	389851
Ion	Ratio	Lower	Upper
63	100		
65	32.4	25.5	38.3
106	27.3	21.8	32.6

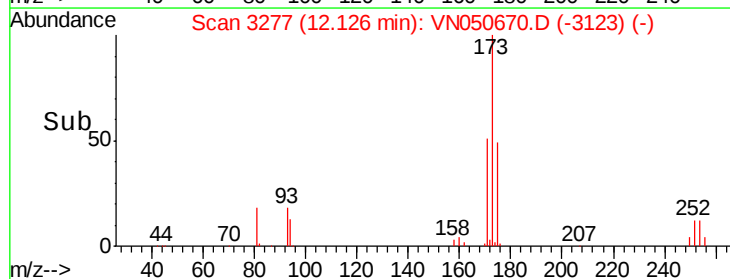
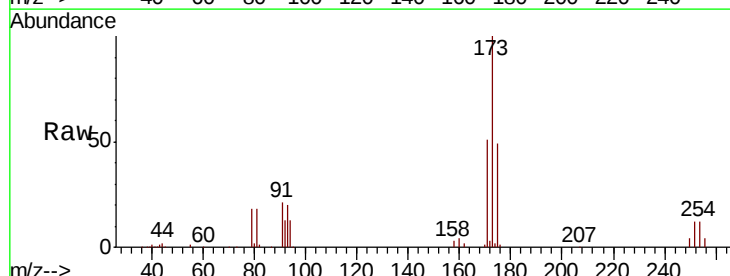
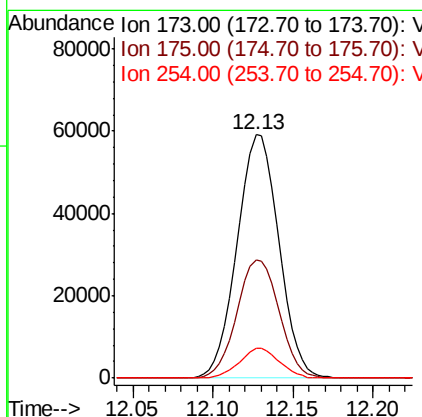
Manual Integrations
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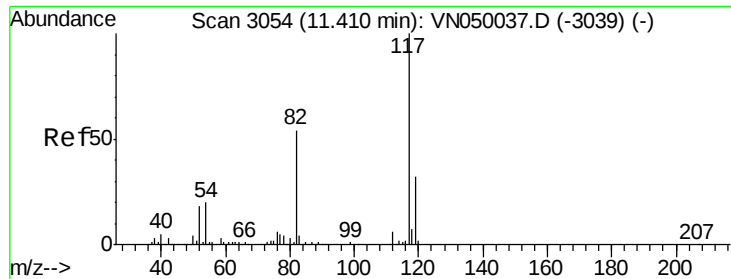
MMDadoda
8/16/2018 1:18:58 PM



#56
Bromoform
Concen: 18.65 ug/l
RT: 12.13 min Scan# 3277
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	173	Resp	105279
Ion	Ratio	Lower	Upper
173	100		
175	49.0	38.6	57.8
254	11.7	8.8	13.2





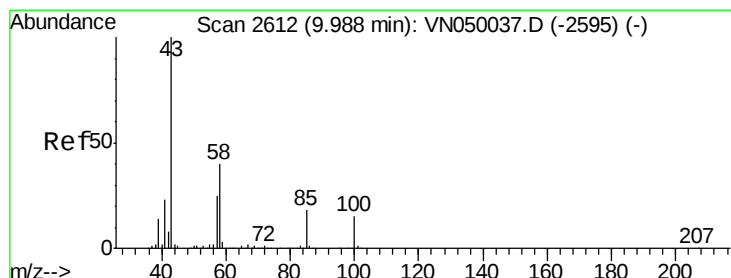
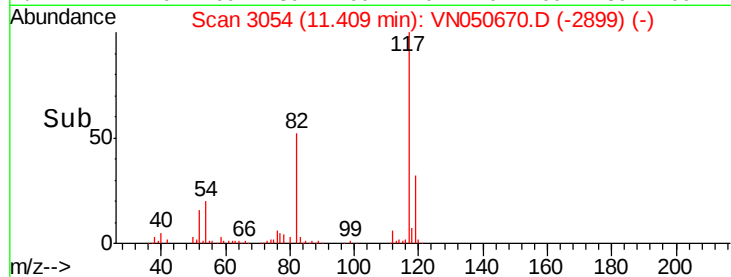
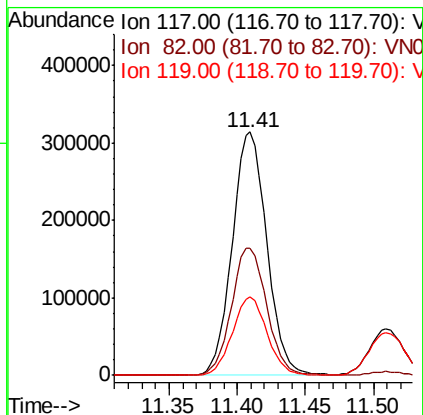
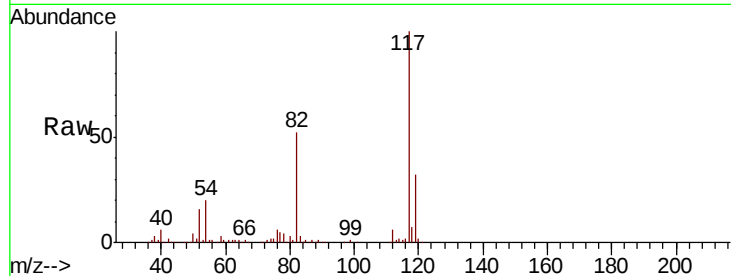
#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
117	100	553365		
82	53.3	42.4	63.6	
119	32.4	25.4	38.0	

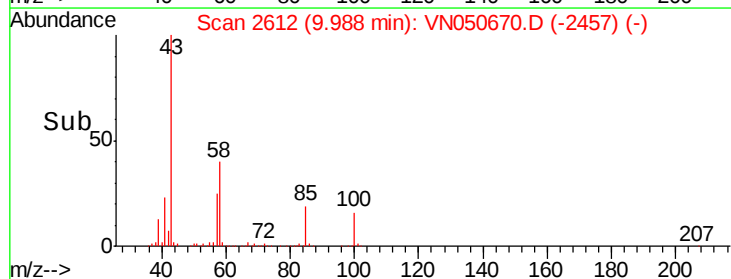
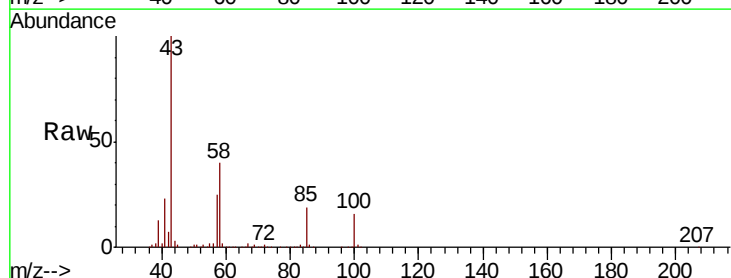
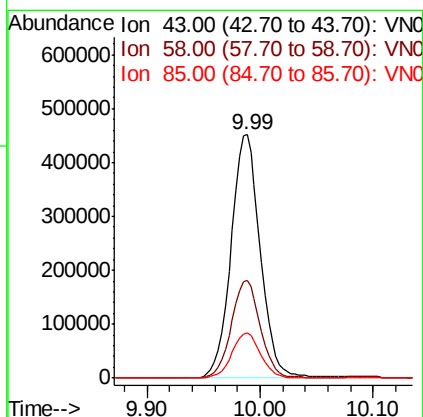
Manual Integrations
APPROVED

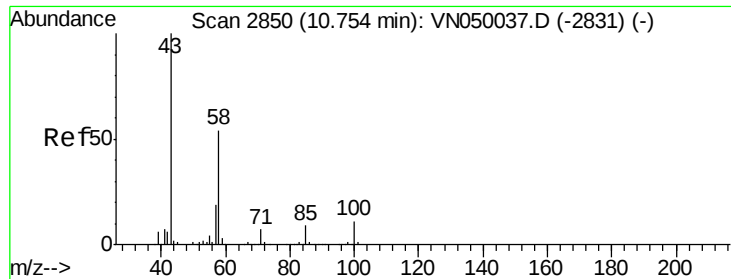
MMDadoda
8/16/2018 1:18:58 PM



#58
4-Methyl-2-Pentanone
Concen: 125.54 ug/l
RT: 9.99 min Scan# 2612
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
43	100	808313		
58	40.1	31.2	46.8	
85	18.3	14.4	21.6	





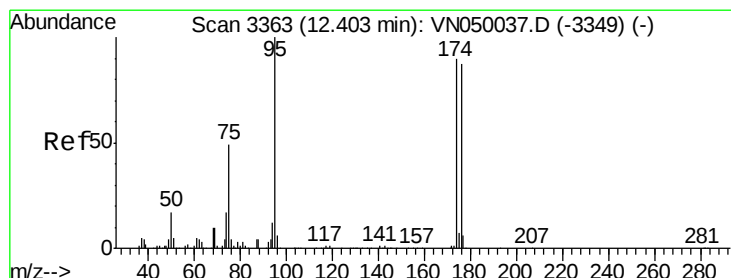
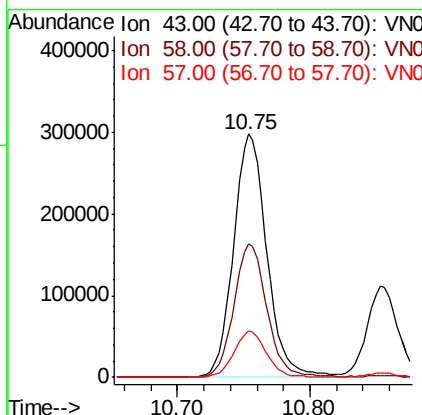
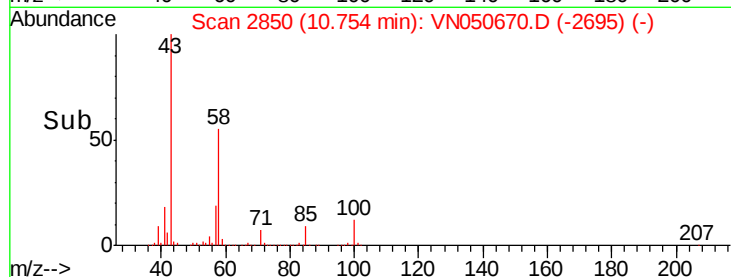
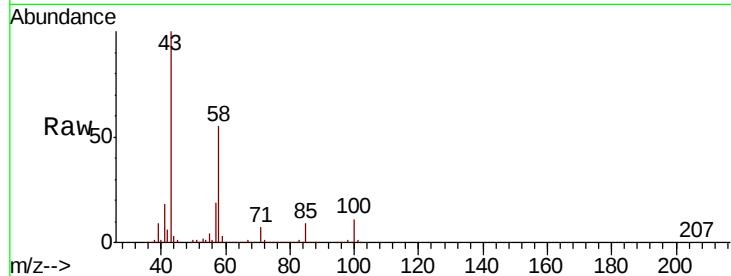
#59
2-Hexanone
Concen: 117.51 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
43	100		
58	54.7	43.8	65.8
57	18.8	15.1	22.7

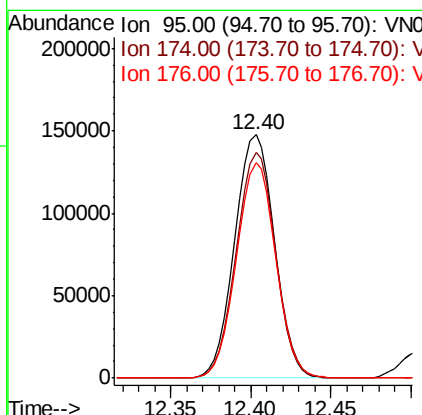
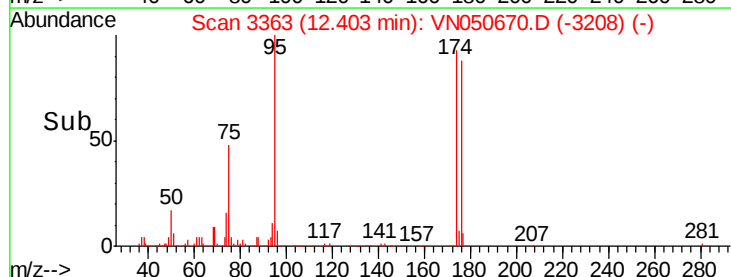
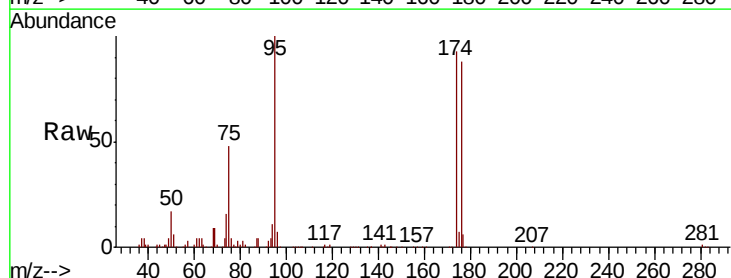
Manual Integrations
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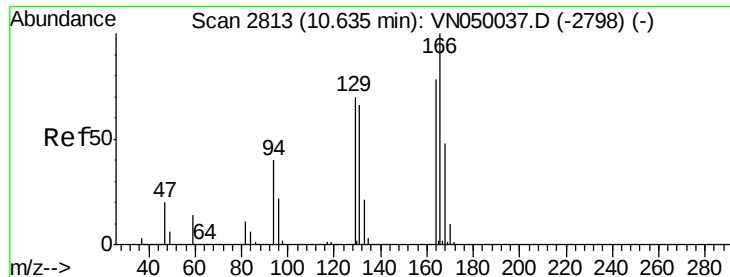
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#60
4-Bromofluorobenzene
Concen: 29.41 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
95	100		
174	92.0	72.3	108.5
176	87.5	70.0	105.0





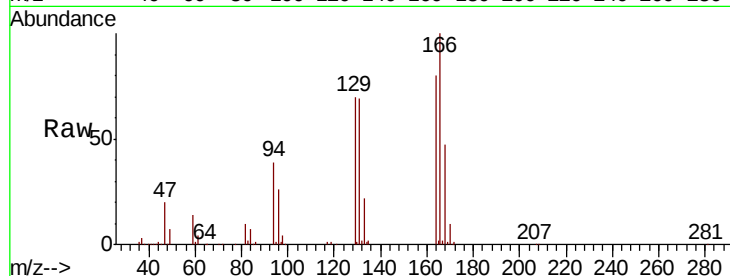
#61
Tetrachloroethene
Concen: 20.67 ug/l
RT: 10.63 min Scan# 2812
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
164	100		
166	125.6	100.0	150.0
129	88.3	69.3	103.9
131	86.1	68.8	103.2

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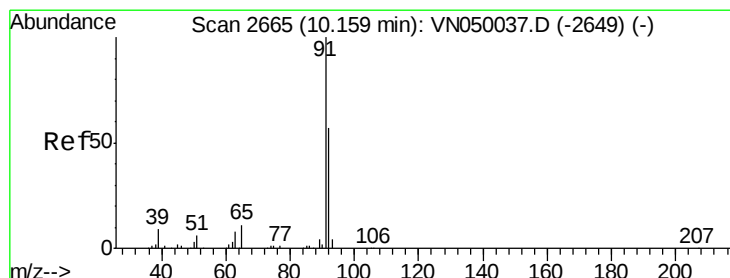
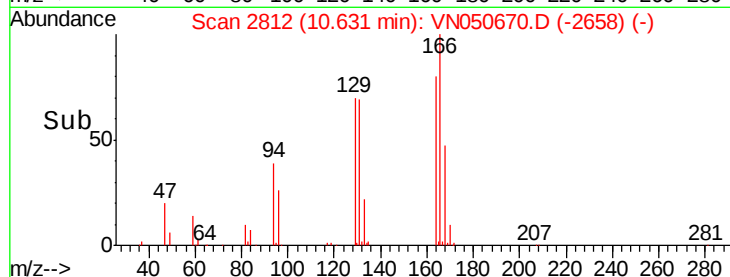
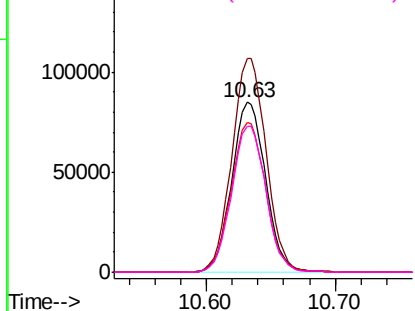
Abundance

Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

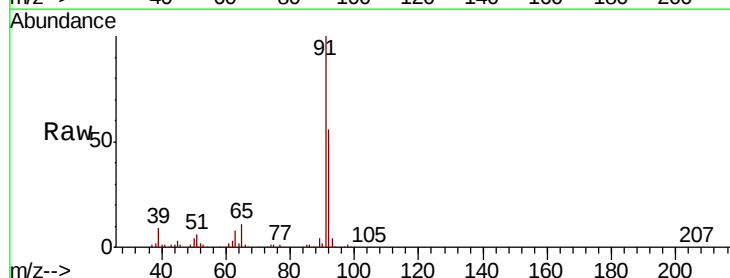
Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62
Toluene
Concen: 20.90 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

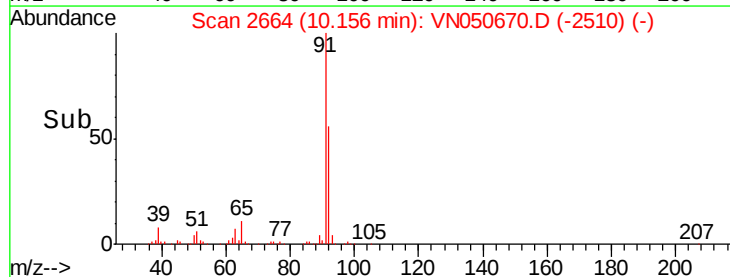
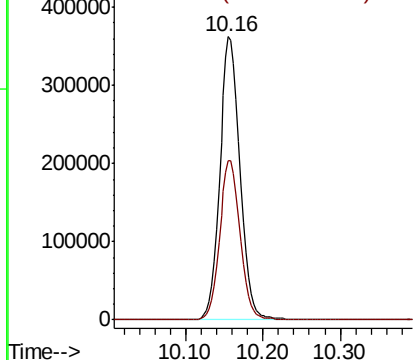
Tgt Ion	Ratio	Lower	Upper
91	100		
92	57.0	45.7	68.5

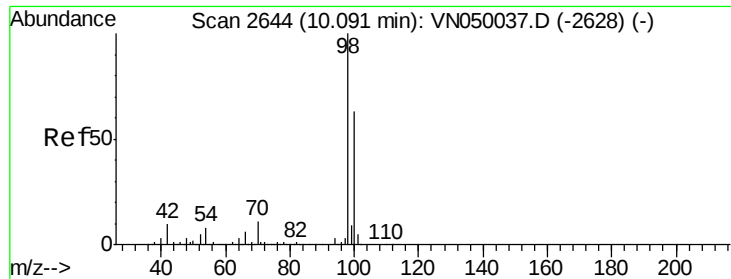


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0





#63

Toluene-d8

Concen: 30.78 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion: 98 Resp: 813626

Ion Ratio Lower Upper

98 100

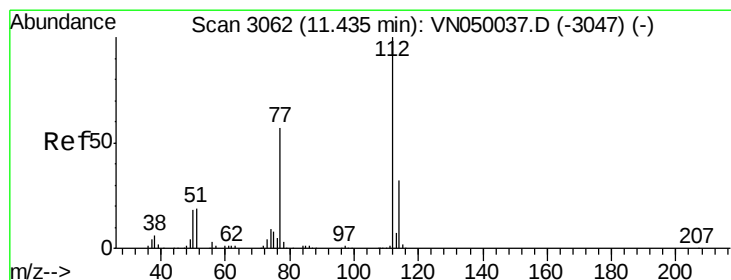
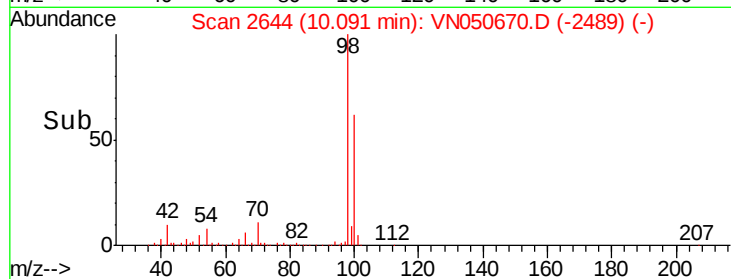
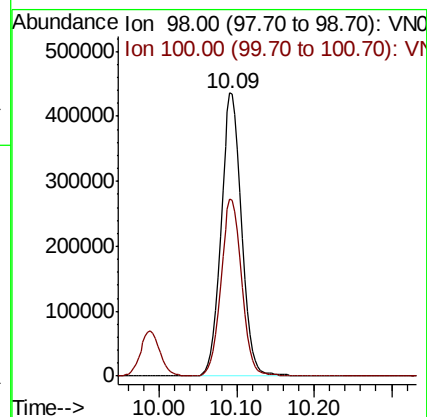
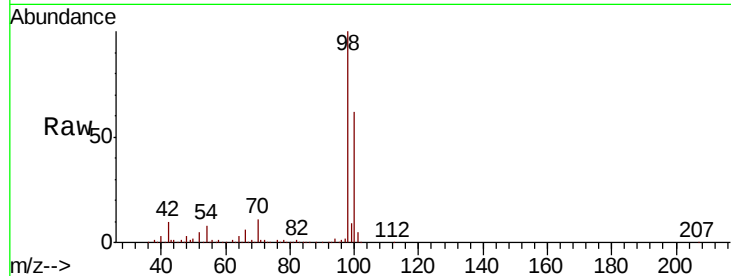
100 63.3 51.2 76.8

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#64

Chlorobenzene

Concen: 20.92 ug/l

RT: 11.44 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN050670.D

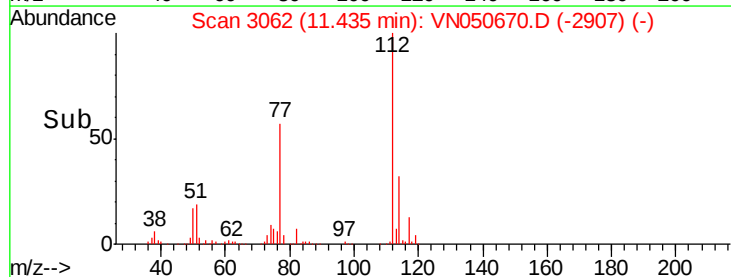
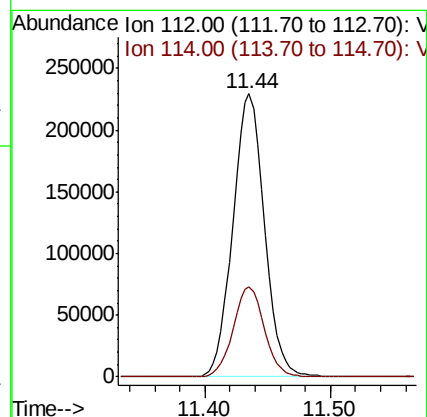
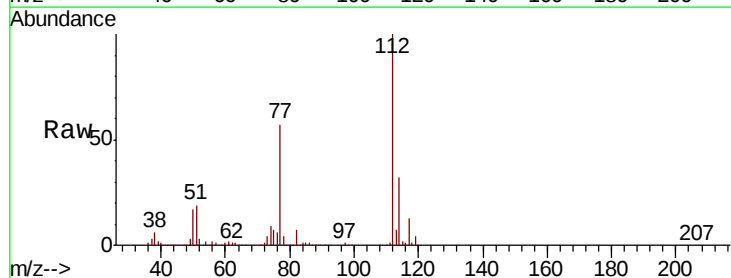
Acq: 15 Aug 2018 22:14

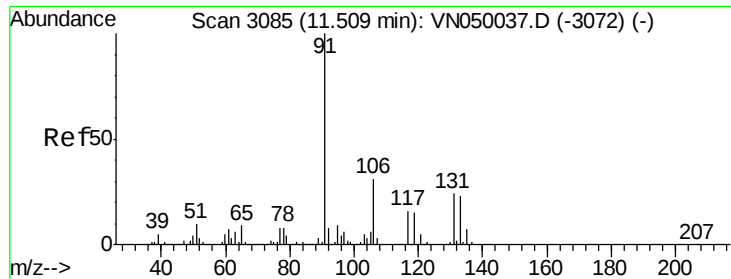
Tgt Ion: 112 Resp: 400434

Ion Ratio Lower Upper

112 100

114 31.9 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 20.76 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

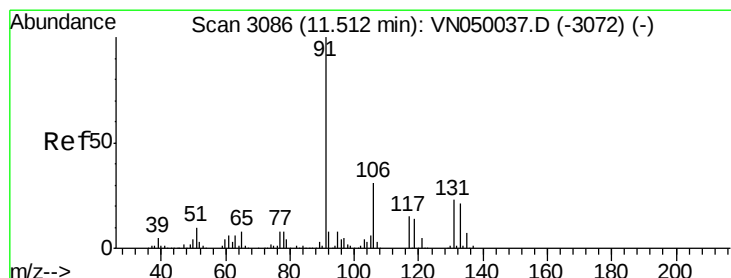
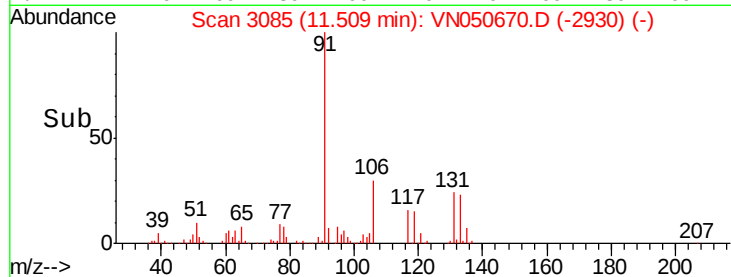
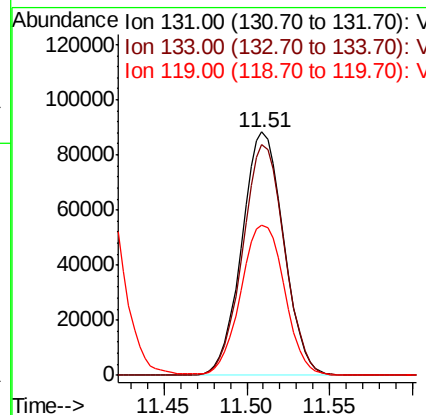
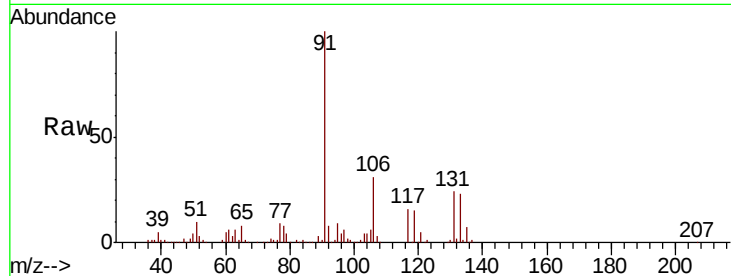
ClientSampleId :

VN0815WBSD02

Tot Ion:	131	Resp:	155050
Ion Ratio	Lower	Upper	
131	100		
133	94.9	0.0	190.0
119	64.5	0.0	131.6

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#66

Ethyl Benzene

Concen: 20.26 ug/l

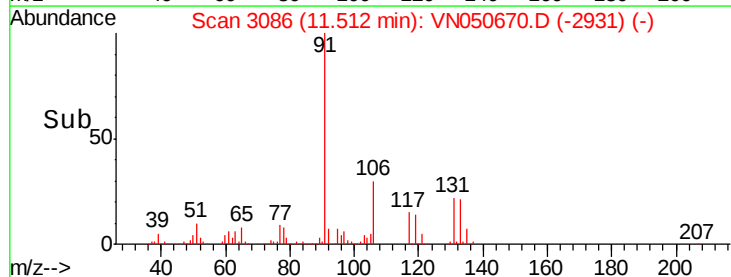
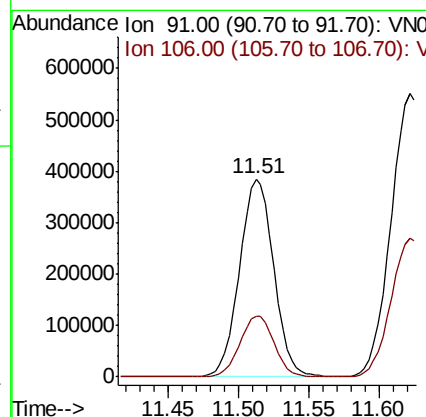
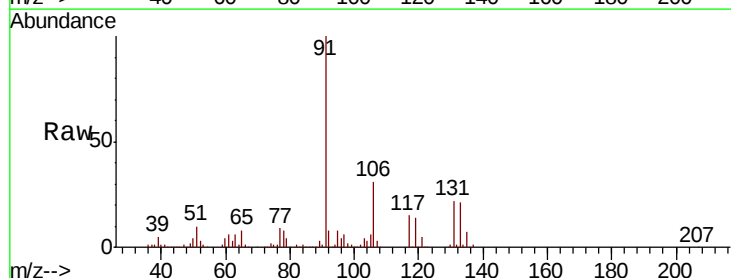
RT: 11.51 min Scan# 3086

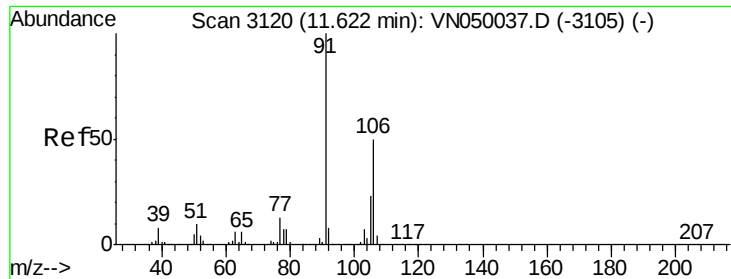
Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	91	Resp:	653735
Ion Ratio	Lower	Upper	
91	100		
106	31.0	25.1	37.7





#67

m/p-Xylenes

Concen: 41.79 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion:106 Resp: 518925

Ion Ratio Lower Upper

106 100

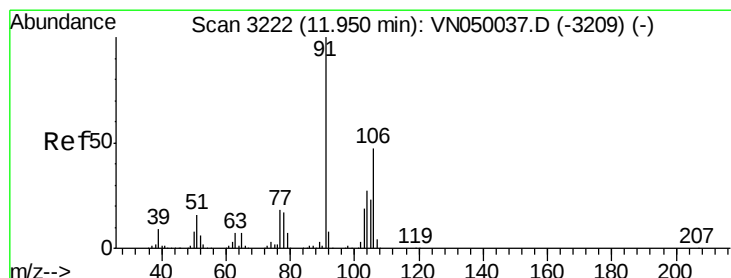
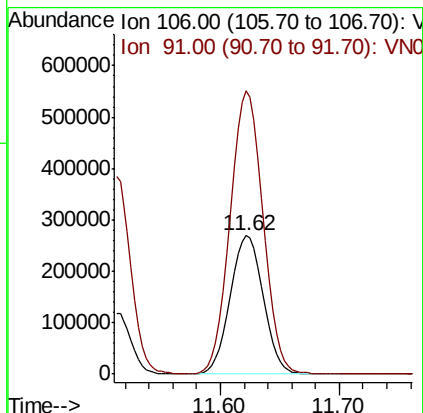
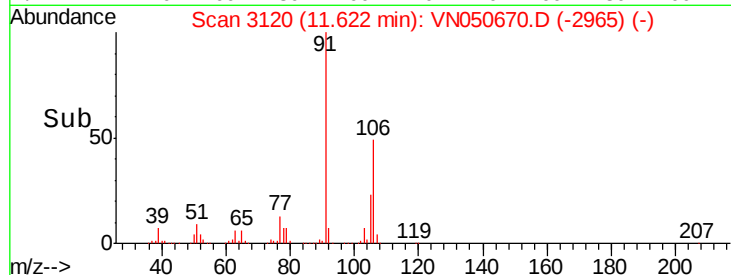
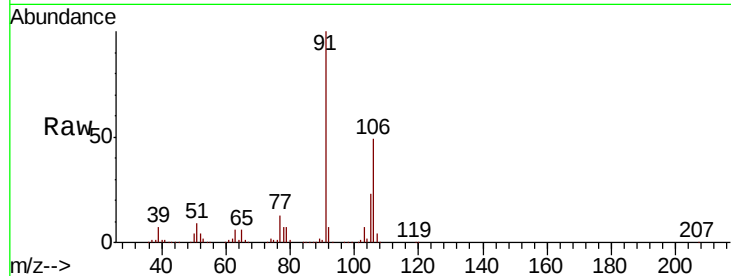
91 203.3 162.5 243.7

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#68

o-Xylene

Concen: 20.60 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050670.D

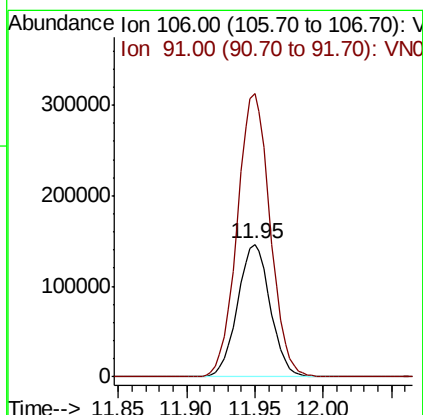
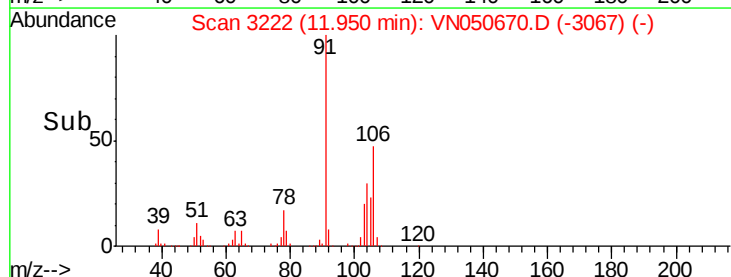
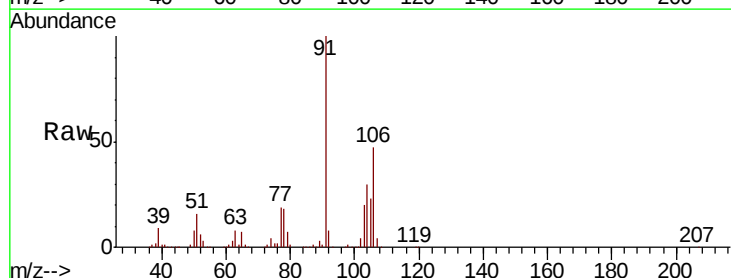
Acq: 15 Aug 2018 22:14

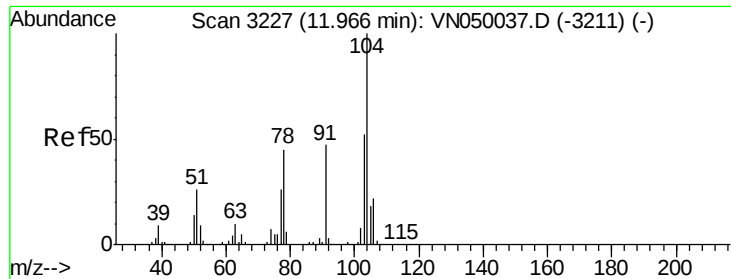
Tgt Ion:106 Resp: 243354

Ion Ratio Lower Upper

106 100

91 215.3 106.8 320.4





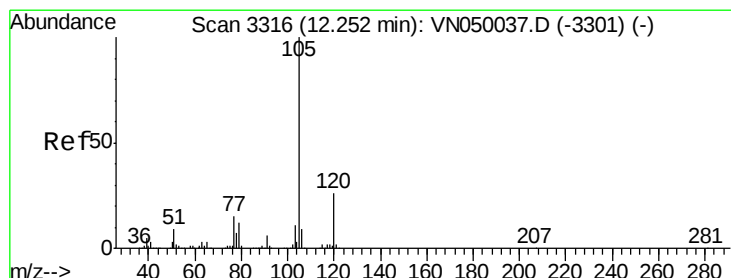
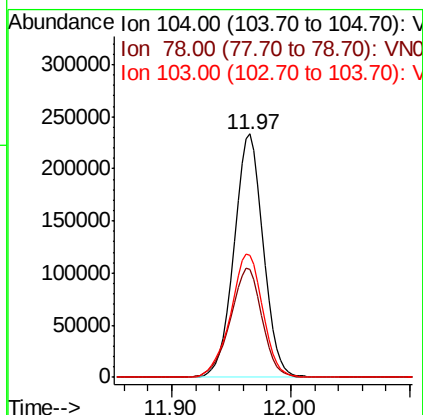
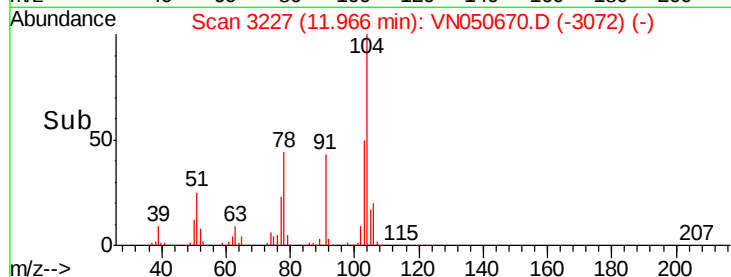
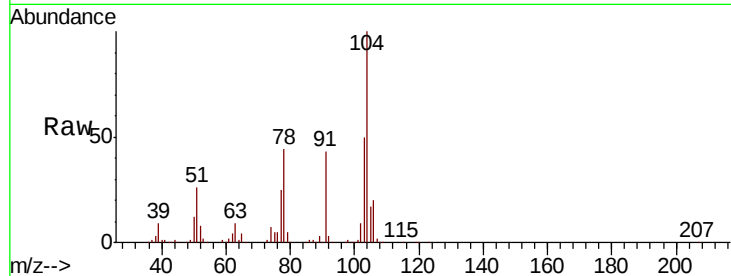
#69
Stvrene
Concen: 20.96 ug/l
RT: 11.97 min Scan# 3227
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
104	100	396943		
78	48.8		39.3	58.9
103	56.0		44.5	66.7

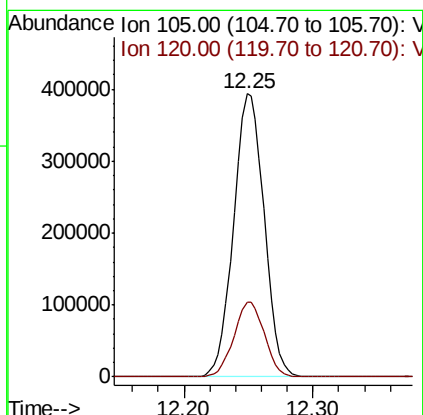
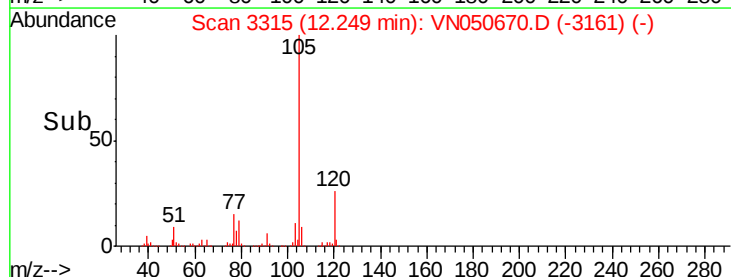
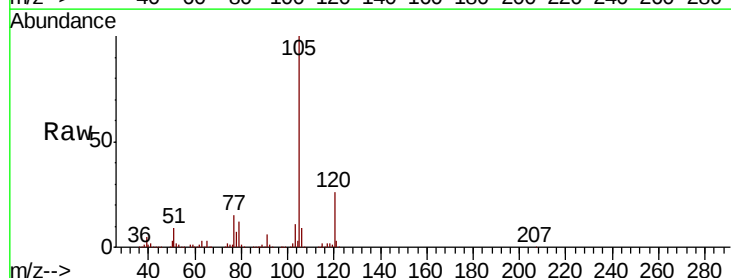
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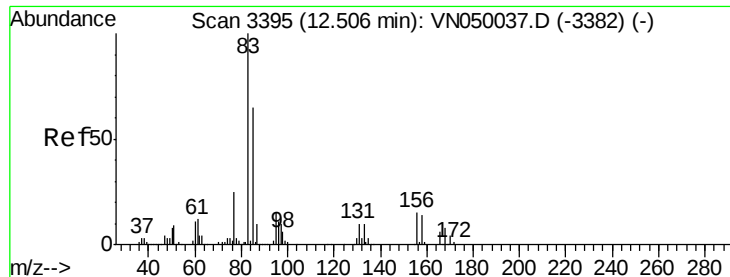
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#70
Isopropylbenzene
Concen: 20.55 ug/l
RT: 12.25 min Scan# 3315
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	646704		
120	26.3		18.9	35.1





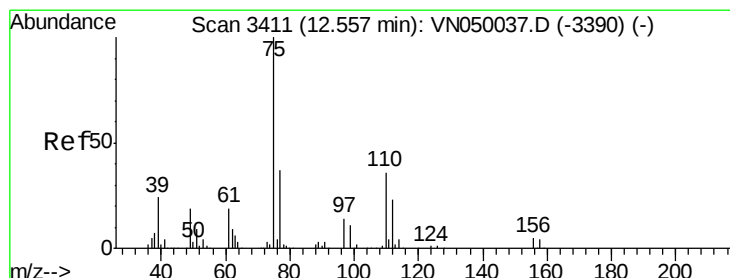
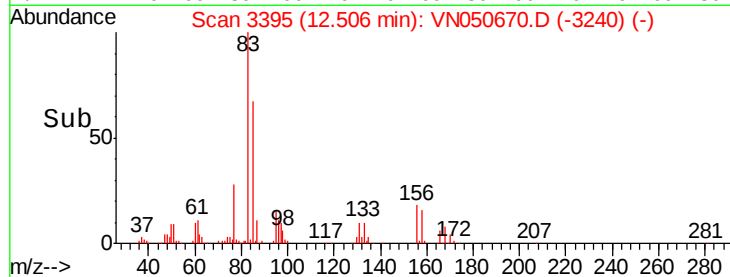
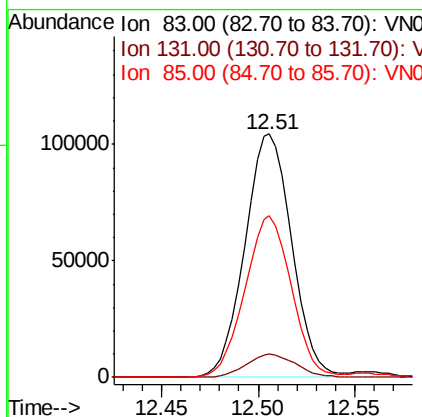
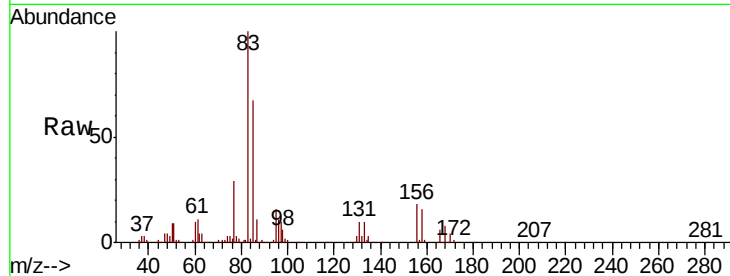
#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.36 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
83	100		
131	10.3	5.2	15.6
85	66.0	31.7	95.1

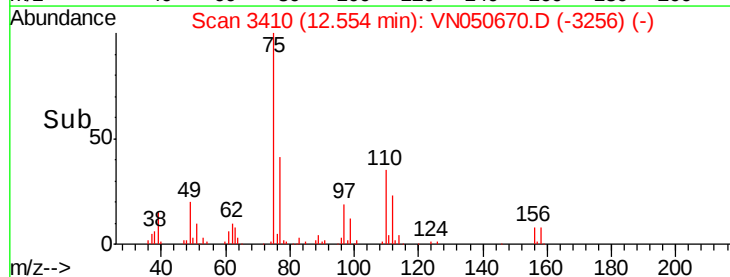
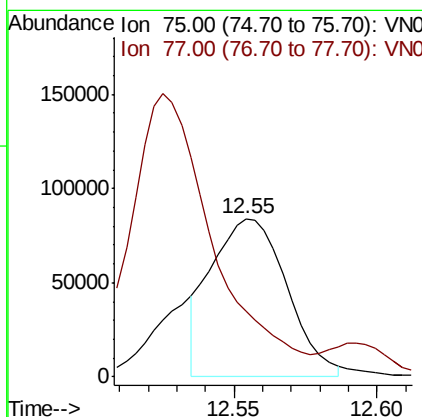
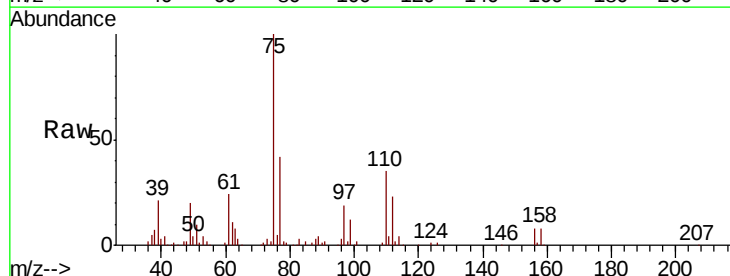
Manual Integrations
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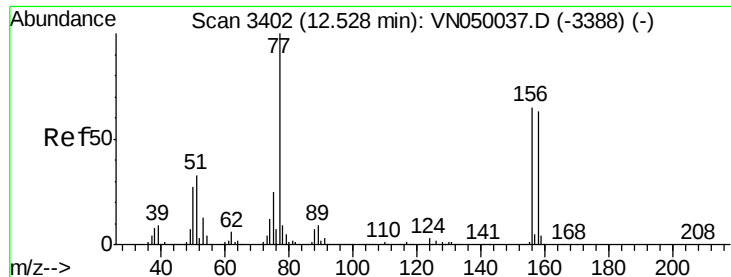
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#72
 1,2,3-Trichloropropane
 Concen: 20.99 ug/l m
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
75	100		
77	197.1	0.0	454.4





#73

Bromobenzene

Concen: 20.17 ug/l

RT: 12.53 min Scan# 3401

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

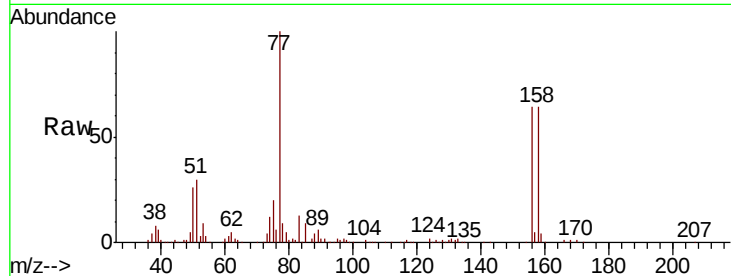
ClientSampleId :

VN0815WBSD02

Tot Ion:	156	Resp:	169081
Ion Ratio	Lower	Upper	
156	100		
77	180.5	0.0	359.8
158	97.7	0.0	192.8

Manual Integrations
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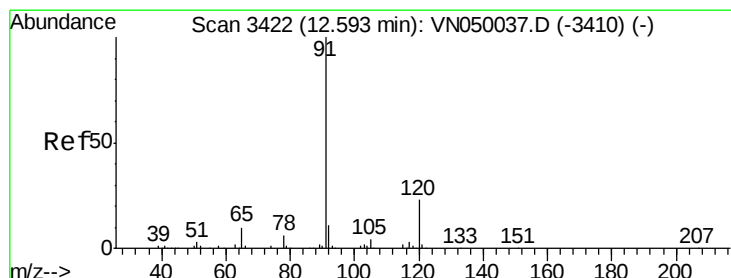
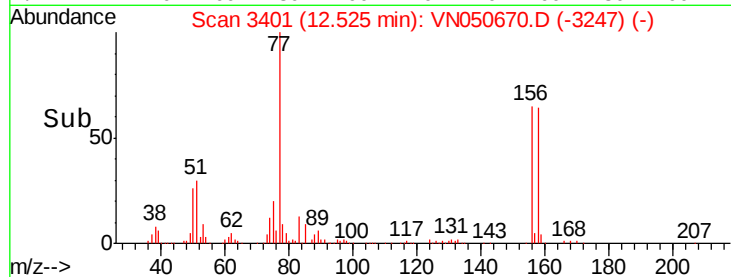
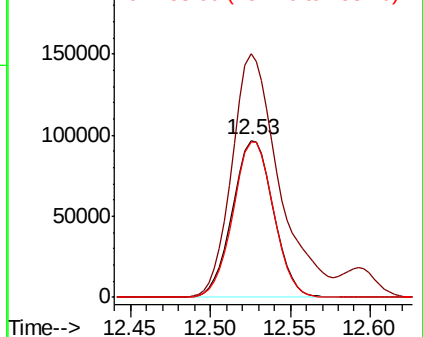


Abundance

Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.13 ug/l

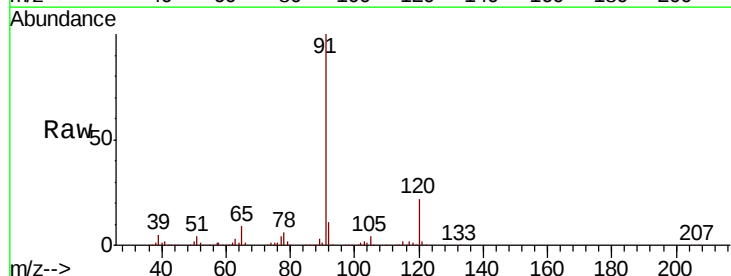
RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

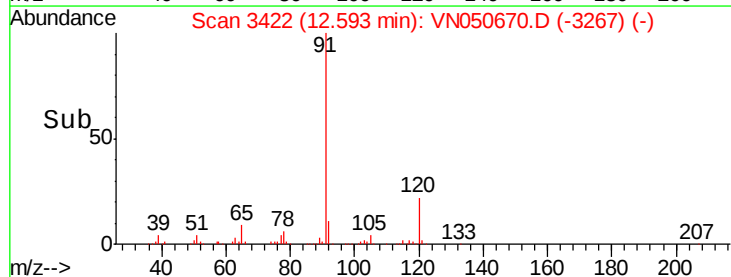
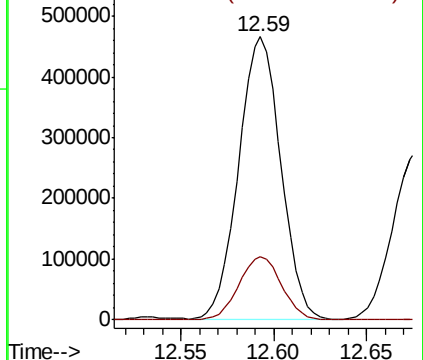
Tgt Ion:	91	Resp:	737569
Ion Ratio	Lower	Upper	
91	100		
120	22.5	0.0	46.4

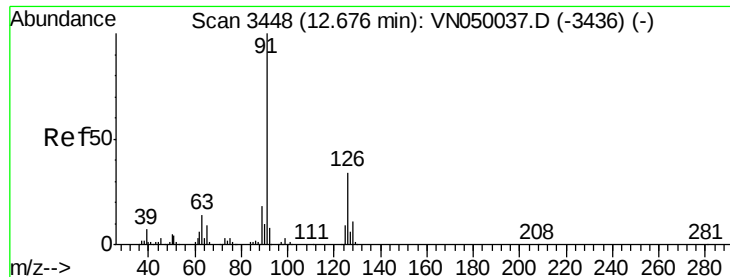


Abundance

Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 20.60 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

ClientSampleId :

VN0815WBSD02

Tot Ion: 91 Resp: 453342

Ion Ratio Lower Upper

91 100

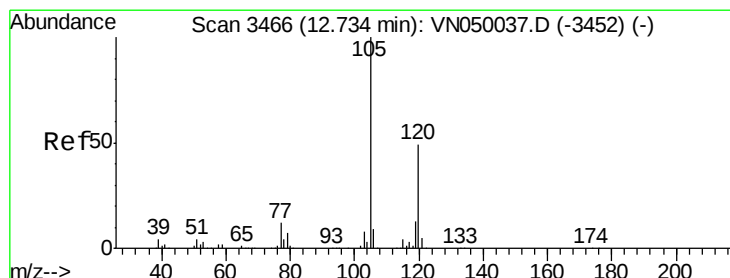
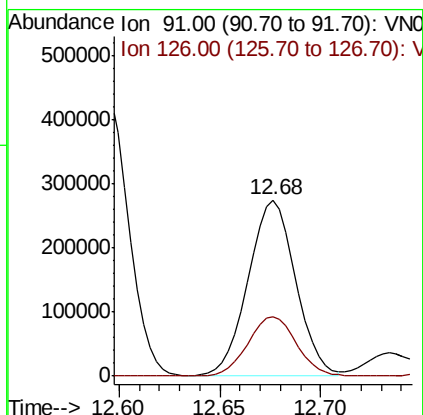
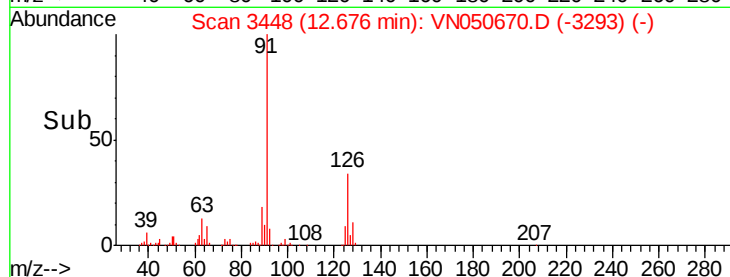
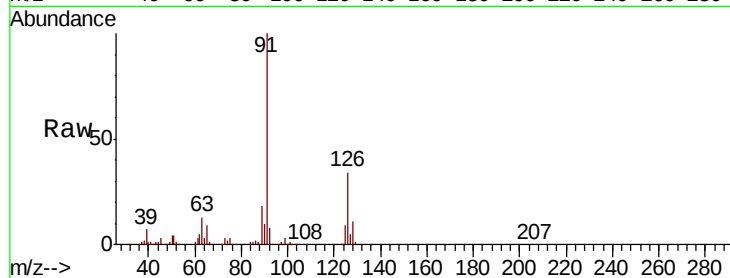
126 34.7 0.0 68.6

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#76

1,3,5-Trimethylbenzene

Concen: 20.82 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050670.D

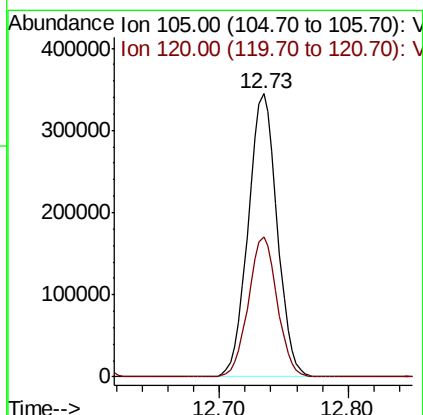
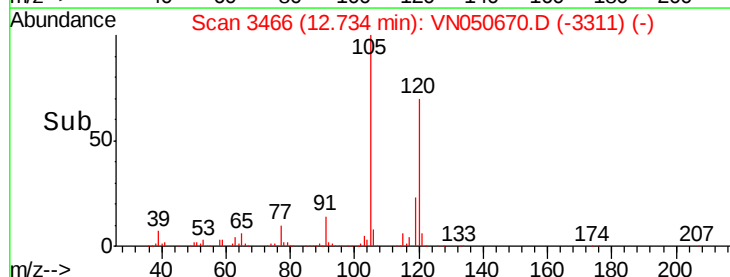
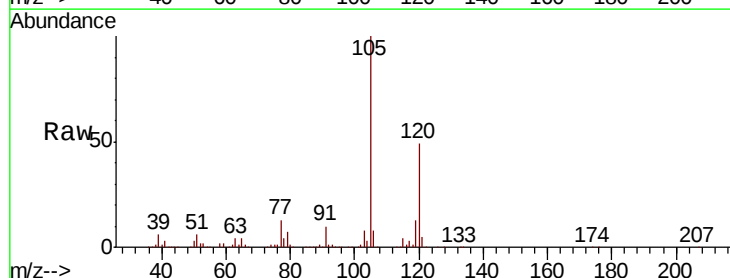
Acq: 15 Aug 2018 22:14

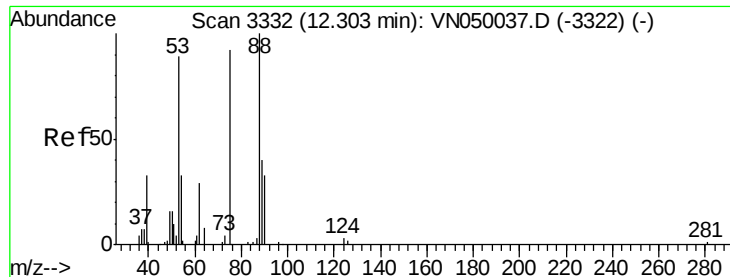
Tgt Ion: 105 Resp: 538083

Ion Ratio Lower Upper

105 100

120 49.4 0.0 98.0





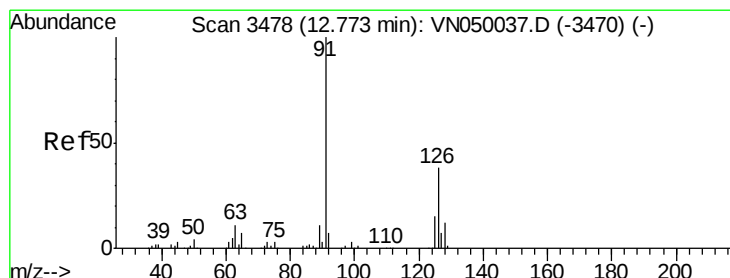
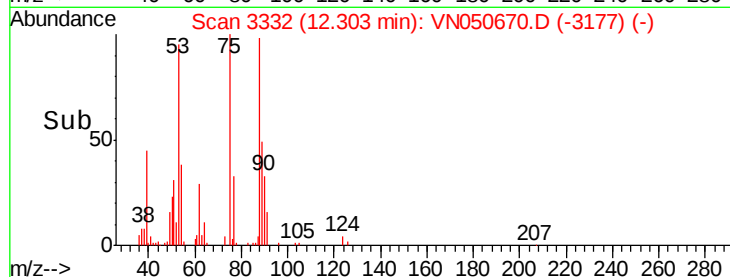
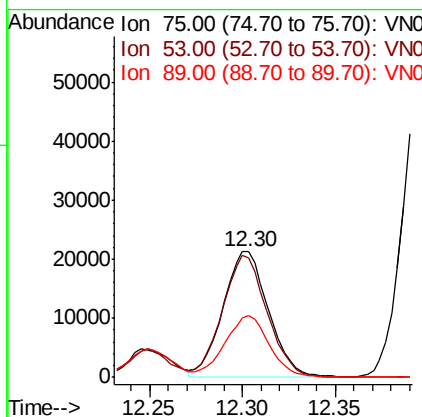
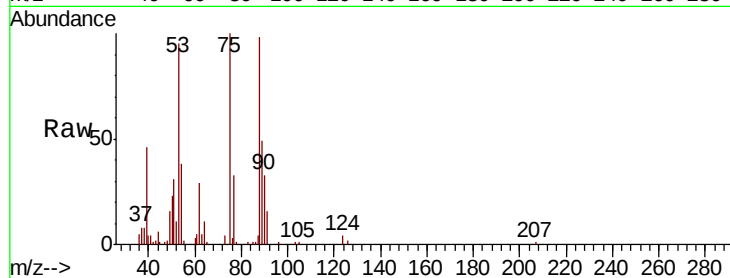
#77
t-1,4-Dichloro-2-butene
Concen: 15.11 ug/l
RT: 12.30 min Scan# 3332
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
75	100		
53	95.1	44.6	134.0
89	48.8	20.7	62.1

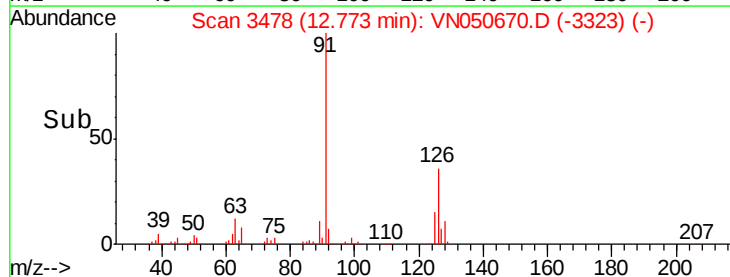
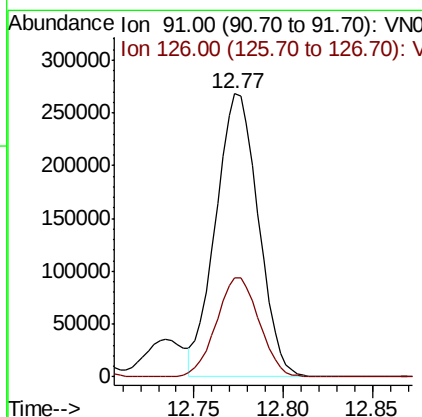
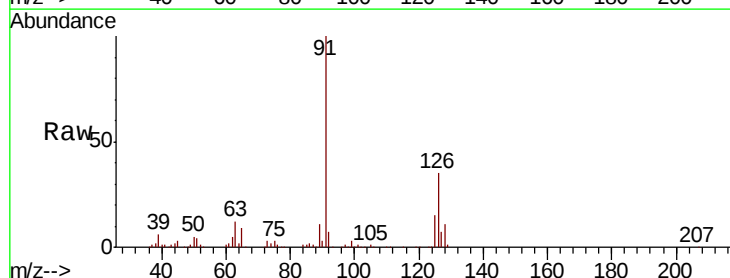
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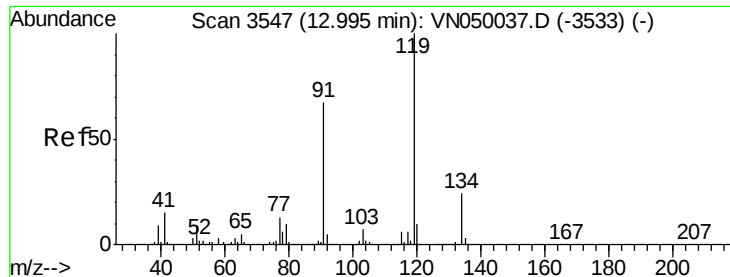
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#78
4-Chlorotoluene
Concen: 20.39 ug/l
RT: 12.77 min Scan# 3478
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.3	0.0	68.4





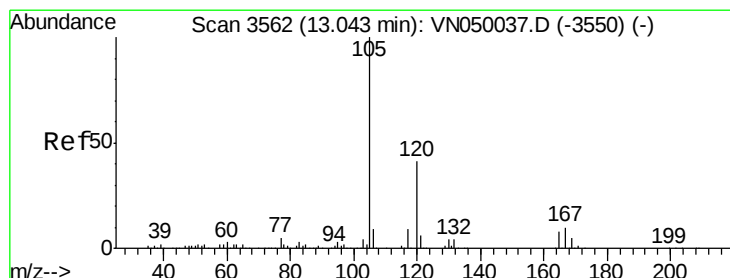
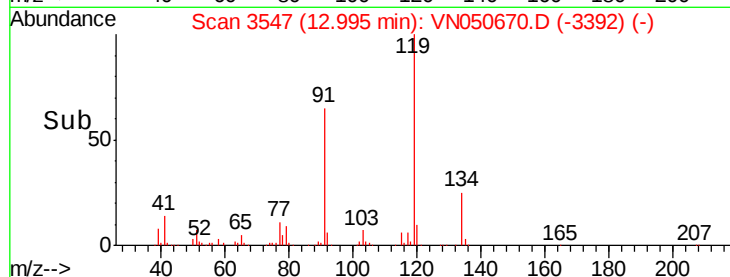
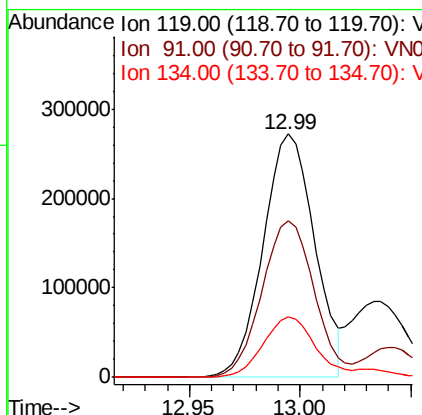
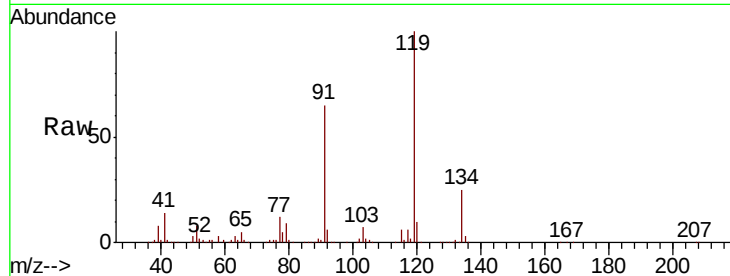
#79
 tert-butylbenzene
 Concen: 19.93 ug/l
 RT: 12.99 min Scan# 3547
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
119	100	440249		
91	65.6	0.0	126.8	
134	25.1	0.0	47.4	

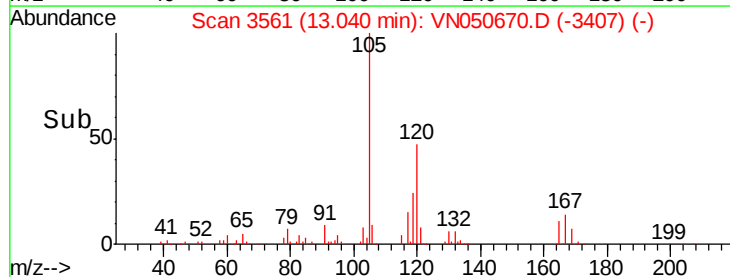
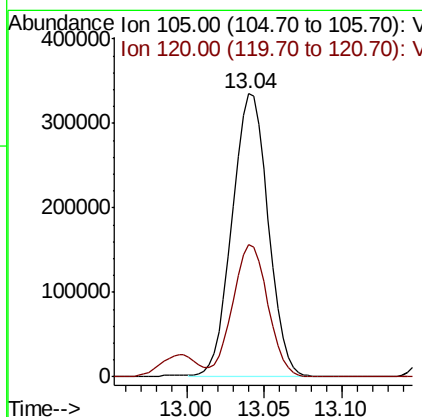
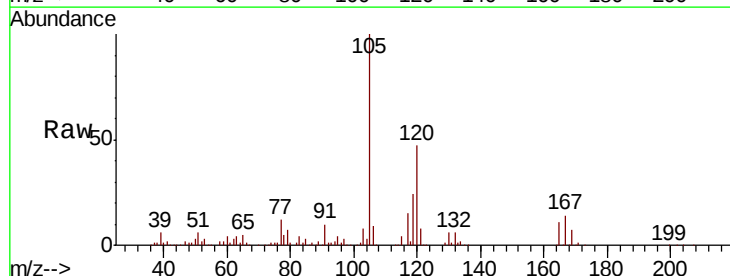
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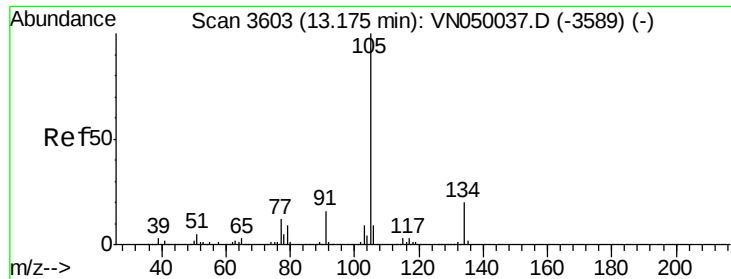
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#80
 1,2,4-Trimethylbenzene
 Concen: 20.73 ug/l
 RT: 13.04 min Scan# 3561
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	542670		
120	45.6	0.0	90.6	





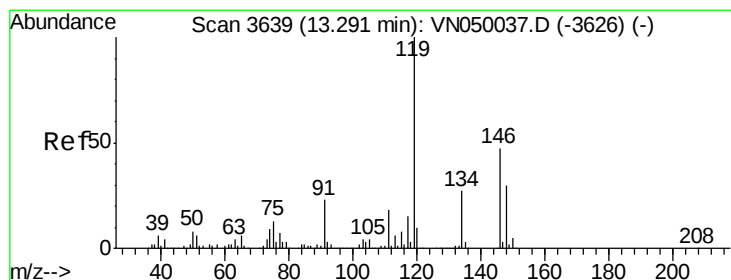
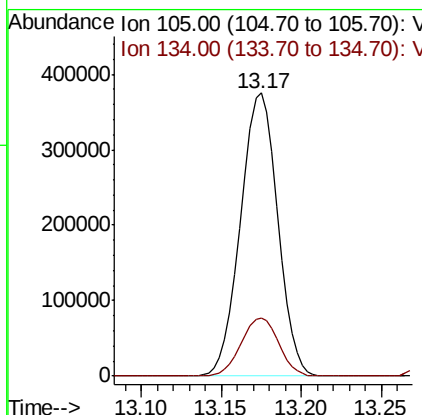
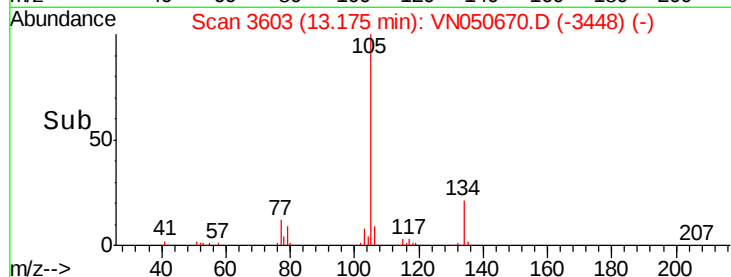
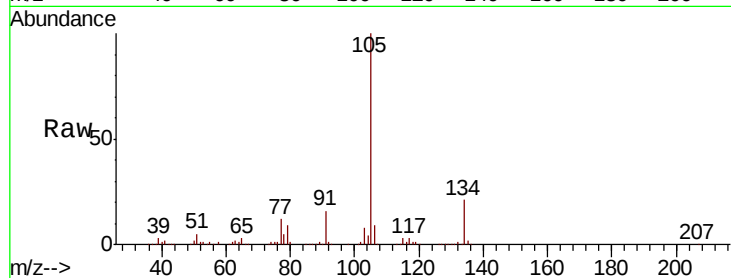
#81
 sec-Butylbenzene
 Concen: 19.75 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
105	100		
134	20.8	0.0	40.6

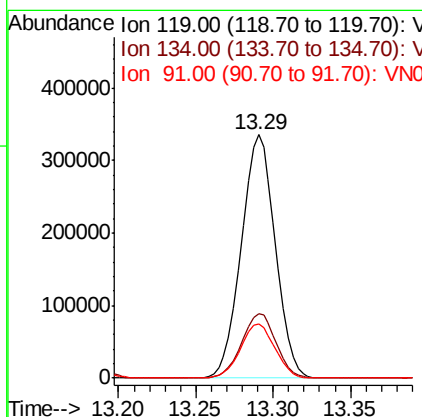
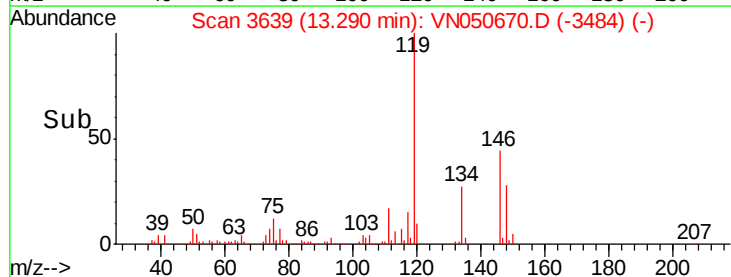
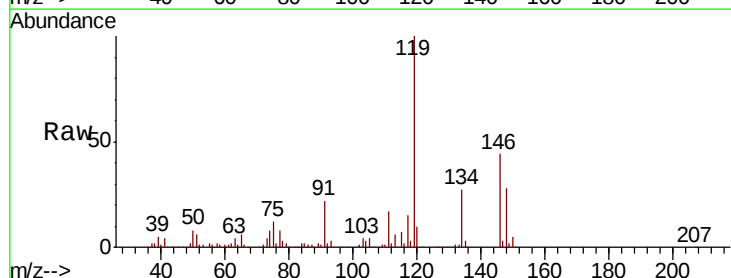
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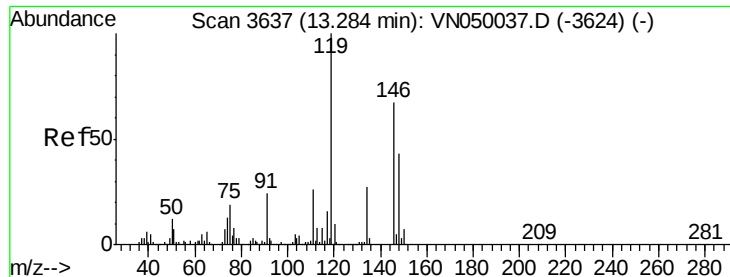
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#82
 p-Isopropyltoluene
 Concen: 19.94 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	52.2
91	22.4	0.0	45.6





#83

1,3-Dichlorobenzene

Concen: 19.91 ug/l

RT: 13.28 min Scan# 3637

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

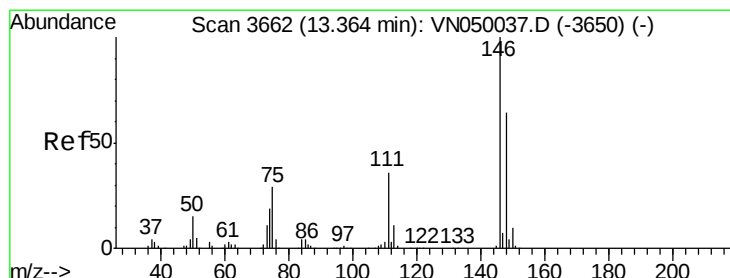
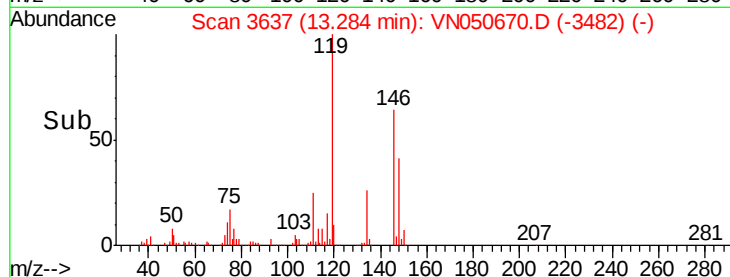
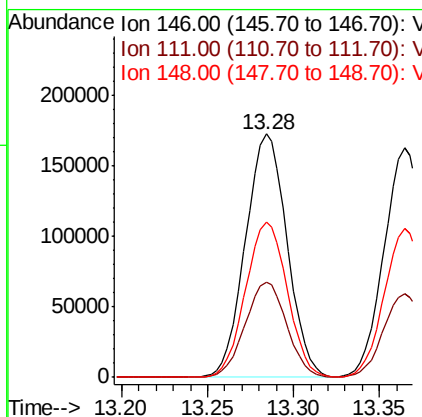
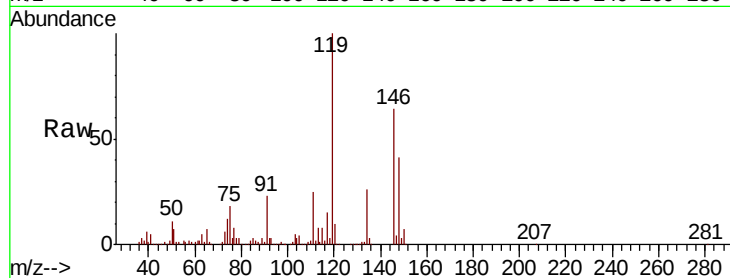
ClientSampleId :

VN0815WBSD02

Tot Ion:	146	Resp:	290535
Ion Ratio	Lower	Upper	
146	100		
111	38.9	19.1	57.1
148	63.9	31.9	95.9

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#84

1,4-Dichlorobenzene

Concen: 19.65 ug/l

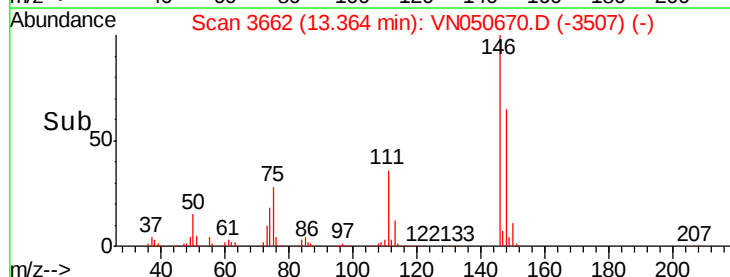
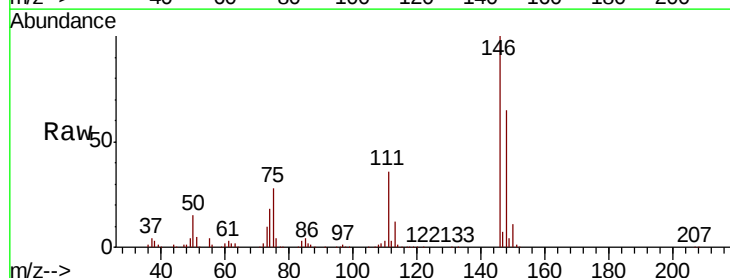
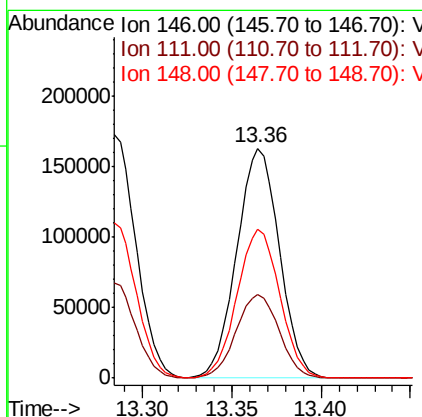
RT: 13.36 min Scan# 3662

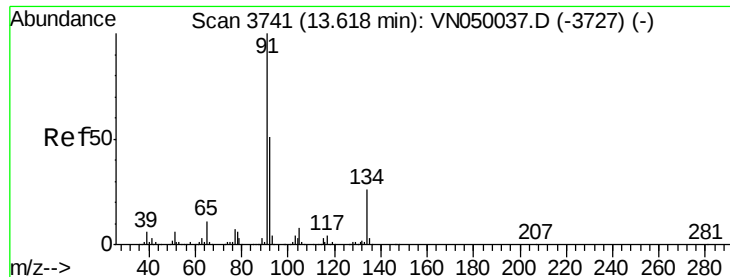
Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	146	Resp:	270932
Ion Ratio	Lower	Upper	
146	100		
111	37.0	17.9	53.8
148	65.2	32.4	97.0





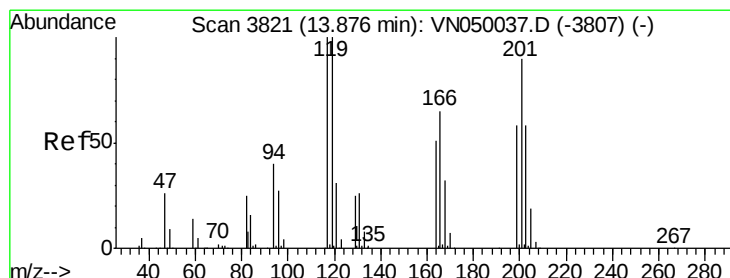
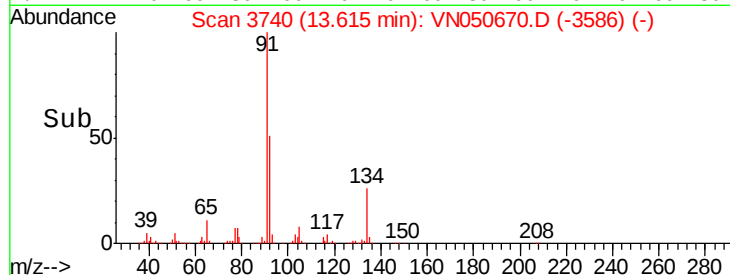
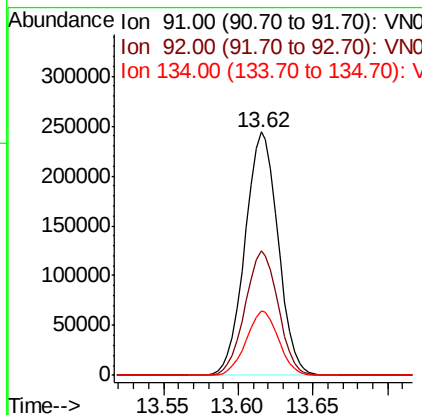
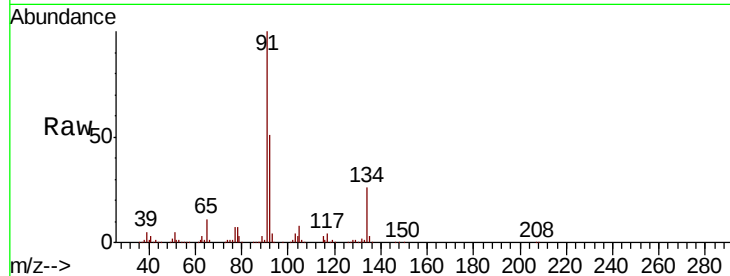
#85
n-Butylbenzene
Concen: 18.09 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Instrument :
MSVOA_N
ClientSampleId :
VN0815WBSD02

Tot Ion	Ratio	Resp	Lower	Upper
91	100	376048		
92	51.1	0.0	102.8	
134	25.8	0.0	51.0	

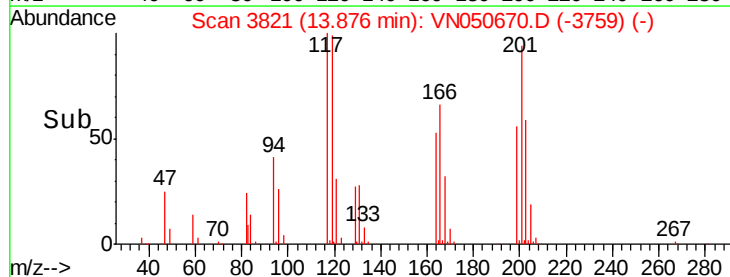
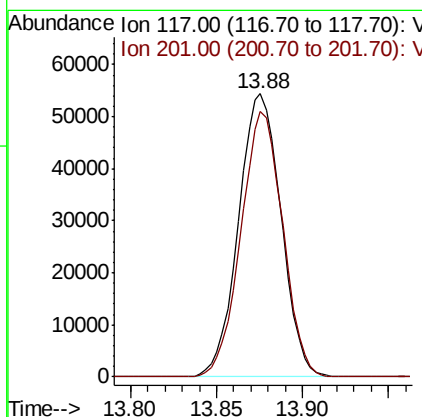
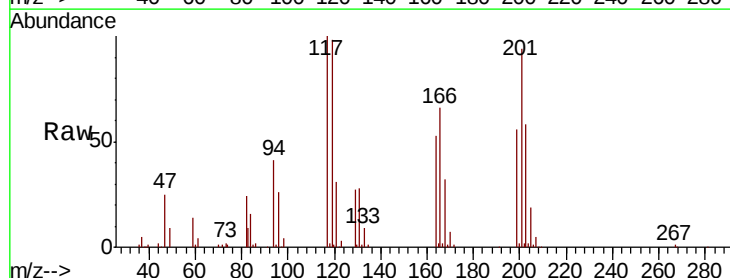
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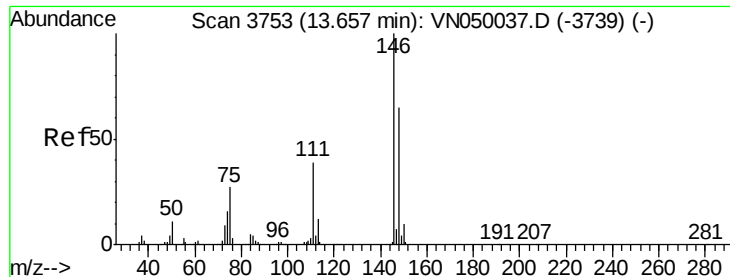
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#86
Hexachloroethane
Concen: 18.28 ug/l
RT: 13.88 min Scan# 3821
Delta R.T. -0.00 min
Lab File: VN050670.D
Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Resp	Lower	Upper
117	100	93561		
201	91.9	46.6	139.7	





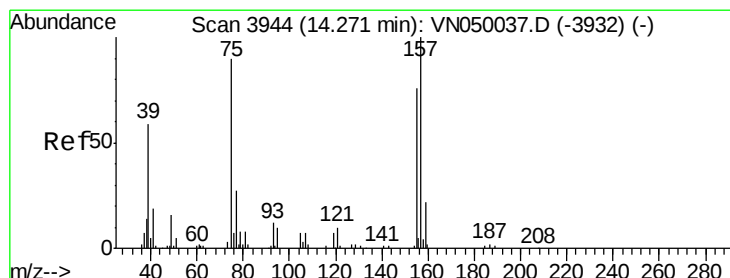
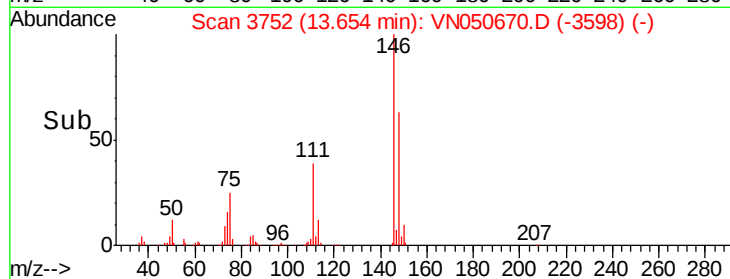
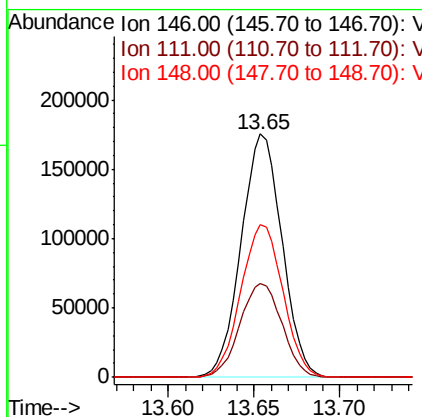
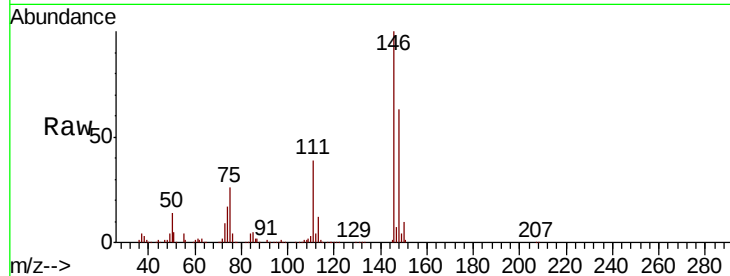
#87
 1,2-Dichlorobenzene
 Concen: 20.39 ug/l
 RT: 13.65 min Scan# 3752
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	19.8	59.3
148	64.5	31.8	95.3

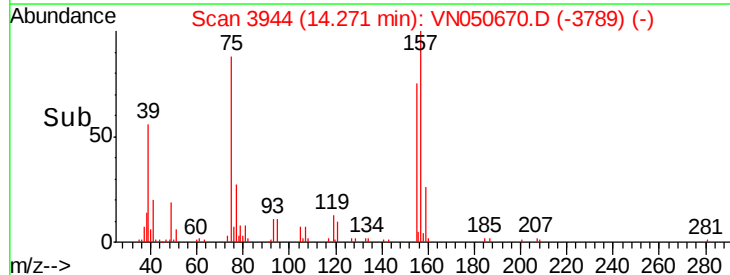
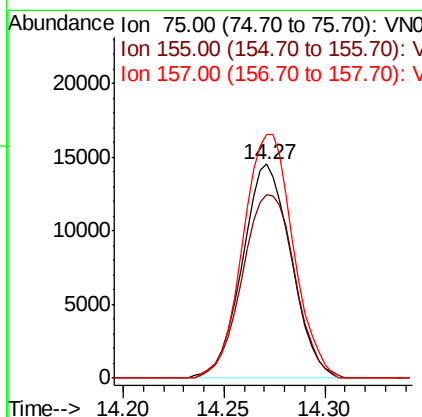
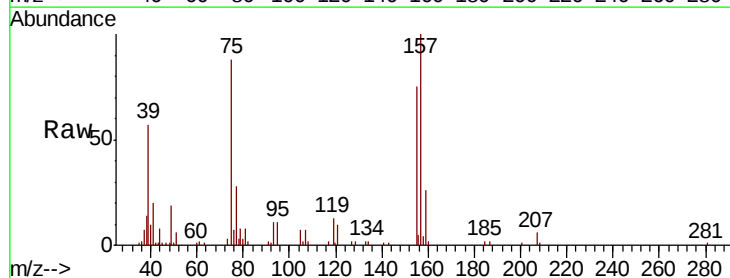
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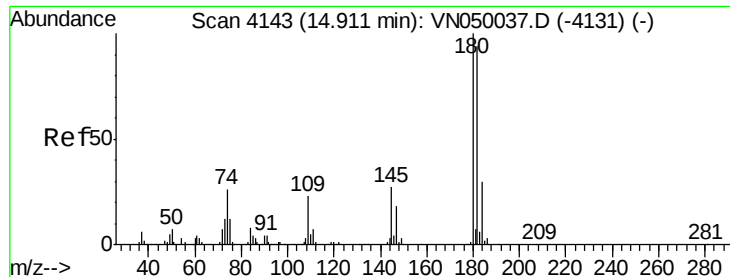
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#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.30 ug/l
 RT: 14.27 min Scan# 3944
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion	Ratio	Lower	Upper
75	100		
155	91.9	73.0	109.6
157	117.0	94.9	142.3





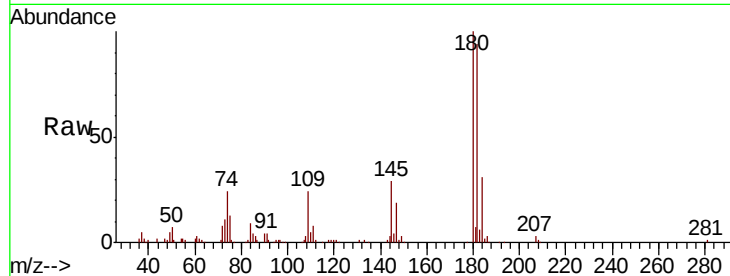
#89
 1,2,4-Trichlorobenzene
 Concen: 17.84 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0815WBSD02

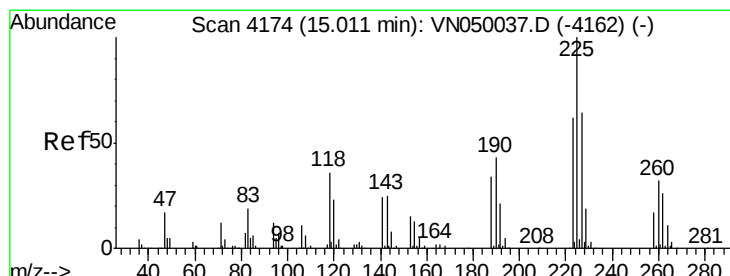
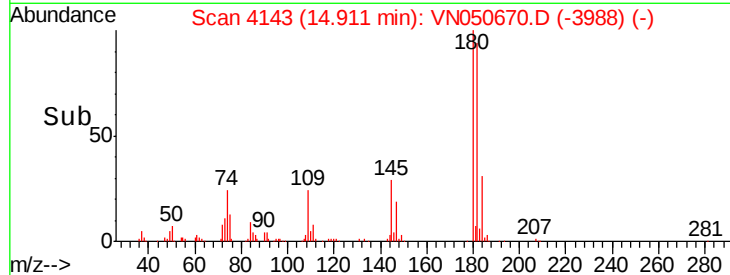
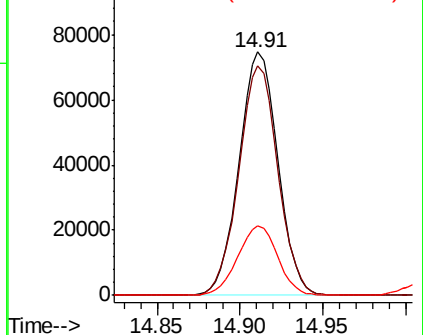
Tot Ion:	180	Resp:	121556
Ion Ratio	Lower	Upper	
180	100		
182	95.1	76.7	115.1
145	29.3	23.4	35.0

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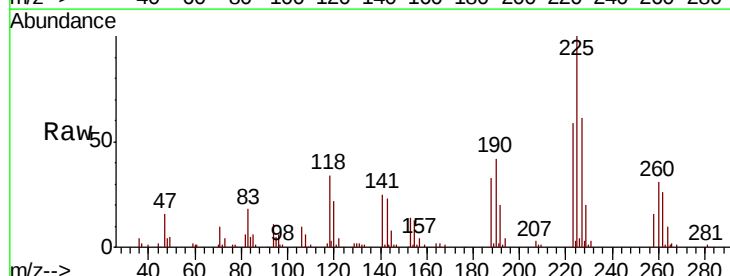


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

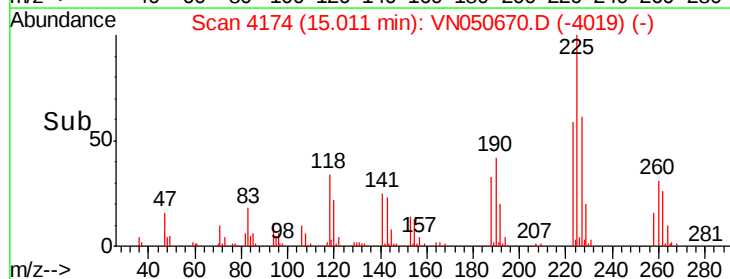
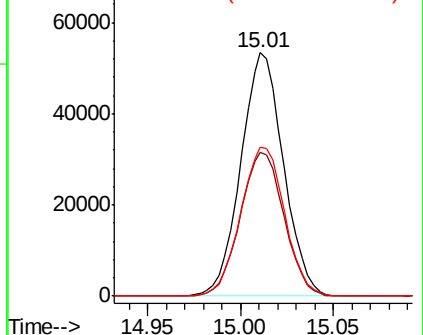


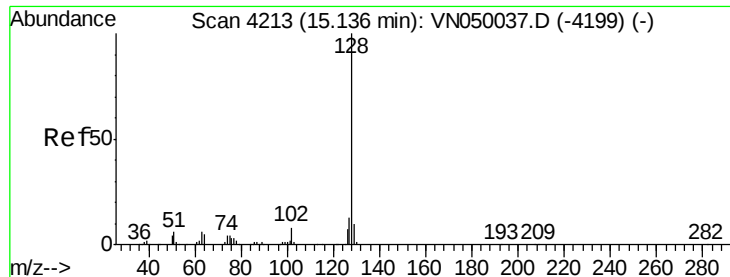
#90
 Hexachlorobutadiene
 Concen: 19.01 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050670.D
 Acq: 15 Aug 2018 22:14

Tgt Ion:	225	Resp:	85419
Ion Ratio	Lower	Upper	
225	100		
223	60.6	0.0	124.4
227	63.4	0.0	133.0



Abundance Ion 225.00 (224.70 to 225.70): V
 Ion 223.00 (222.70 to 223.70): V
 Ion 227.00 (226.70 to 227.70): V





#91

Naphthalene

Concen: 19.35 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Instrument :

MSVOA_N

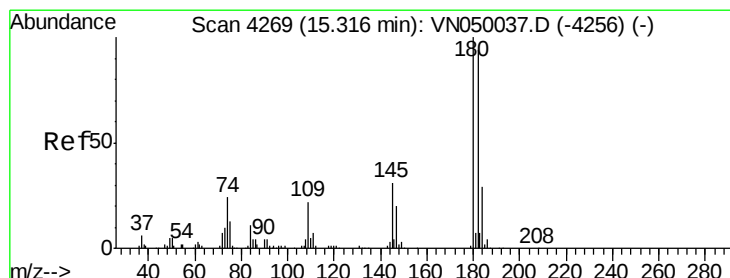
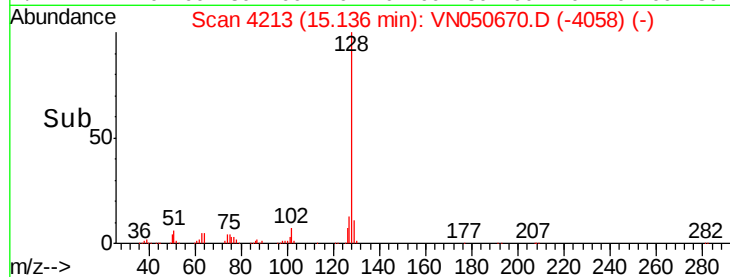
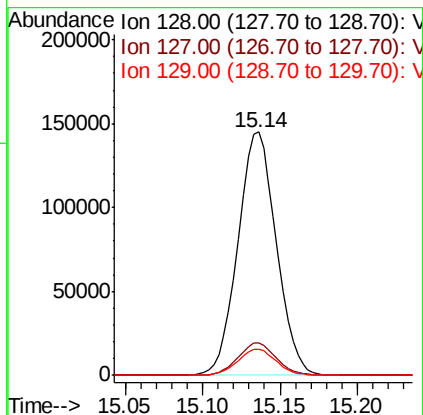
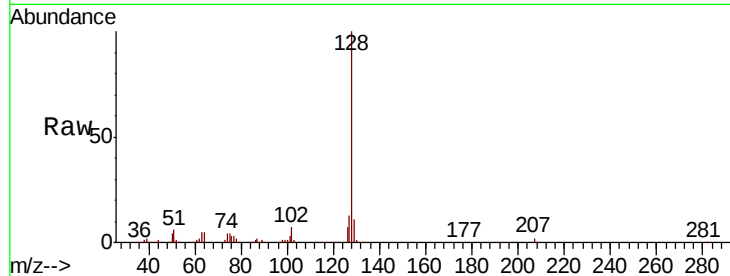
ClientSampleId :

VN0815WBSD02

Tot Ion:	128	Resp:	250044
Ion Ratio	Lower	Upper	
128	100		
127	13.3	10.2	15.4
129	10.7	9.0	13.4

Manual Integrations
APPROVED

MMDadoda
8/16/2018 1:18:58 PM



#92

1,2,3-Trichlorobenzene

Concen: 18.13 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050670.D

Acq: 15 Aug 2018 22:14

Tgt Ion:	180	Resp:	125639
Ion Ratio	Lower	Upper	
180	100		
182	96.0	0.0	188.8
145	29.8	0.0	60.8

