

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102518\
 Data File : VN052017.D
 Acq On : 25 Oct 2018 18:17
 Operator : MD\SY
 Sample : VSTDCCC020EC
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Quant Time: Oct 26 01:04:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101218W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 12 10:23:44 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	183261	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	1013808	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	923250	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	303580	27.22	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	90.73%
60) 4-Bromofluorobenzene	12.40	95	373709	28.07	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	93.57%
63) Toluene-d8	10.09	98	1157885	28.88	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	96.27%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.85	85	153243	21.524	ug/l 100
3) Chloromethane	2.06	50	142218	18.900	ug/l 97
4) Vinyl Chloride	2.19	62	173467	15.437	ug/l 97
5) Bromomethane	2.57	94	173233	17.448	ug/l 83
6) Chloroethane	2.71	64	128302	15.843	ug/l 98
7) Trichlorofluoromethane	3.02	101	332627	20.763	ug/l 94
8) Diethyl Ether	3.41	74	96704	20.735	ug/l 69
10) 1,1-Dichloroethene	3.74	96	182140	21.587	ug/l 82
11) Methyl Iodide	3.96	142	323639	26.386	ug/l 96
12) Methyl Acetate	4.33	43	108374	20.684	ug/l # 89
13) Acrolein	3.61	56	13544	39.235	ug/l 93
14) Acrylonitrile	4.99	53	235581	100.603	ug/l # 61
15) Acetone	3.82	58	52648	90.950	ug/l 99
16) Carbon Disulfide	4.06	76	401856	18.135	ug/l 98
17) Allvl chloride	4.33	41	169442	16.915	ug/l 76
18) Methylene Chloride	4.55	84	208281	22.078	ug/l # 84
19) trans-1,2-Dichloroethene	5.05	96	204545	21.231	ug/l # 81
20) Diisopropyl ether	5.95	45	441267	19.779	ug/l # 83
21) 1,1-Dichloroethane	5.85	63	325368	20.872	ug/l # 98
22) cis-1,2-Dichloroethene	6.83	96	249759	22.071	ug/l # 76
23) tert-Butyl Alcohol	4.77	59	39832	64.586	ug/l # 100
25) Chloroform	7.37	83	395952	21.410	ug/l 94
26) Cyclohexane	7.65	56	243425	18.419	ug/l # 66
29) 1,1-Dichloropropene	7.80	75	273433	20.924	ug/l 93
30) 2-Butanone	6.84	43	244367	89.466	ug/l # 85
31) 2,2-Dichloropropane	6.83	77	288136	18.743	ug/l # 75
32) 1,1,1-Trichloroethane	7.57	97	361485	20.864	ug/l 94
33) Carbon Tetrachloride	7.78	117	321938	20.538	ug/l 91
34) Benzene	8.04	78	832819	21.545	ug/l # 65
35) Methacrylonitrile	7.17	41	51308	14.298	ug/l # 70
36) 1,2-Dichloroethane	8.12	62	260141	21.003	ug/l # 94
37) Trichloroethene	8.84	130	269907	22.493	ug/l 94
38) Methylcyclohexane	9.08	83	321706	19.194	ug/l 77
39) 1,2-Dichloropropane	9.12	63	190593	20.937	ug/l 97
40) Dibromomethane	9.21	93	146026	21.613	ug/l 89
41) Bromodichloromethane	9.40	83	286643	20.540	ug/l 95
42) Vinyl Acetate	5.90	43	1449067	94.243	ug/l # 88

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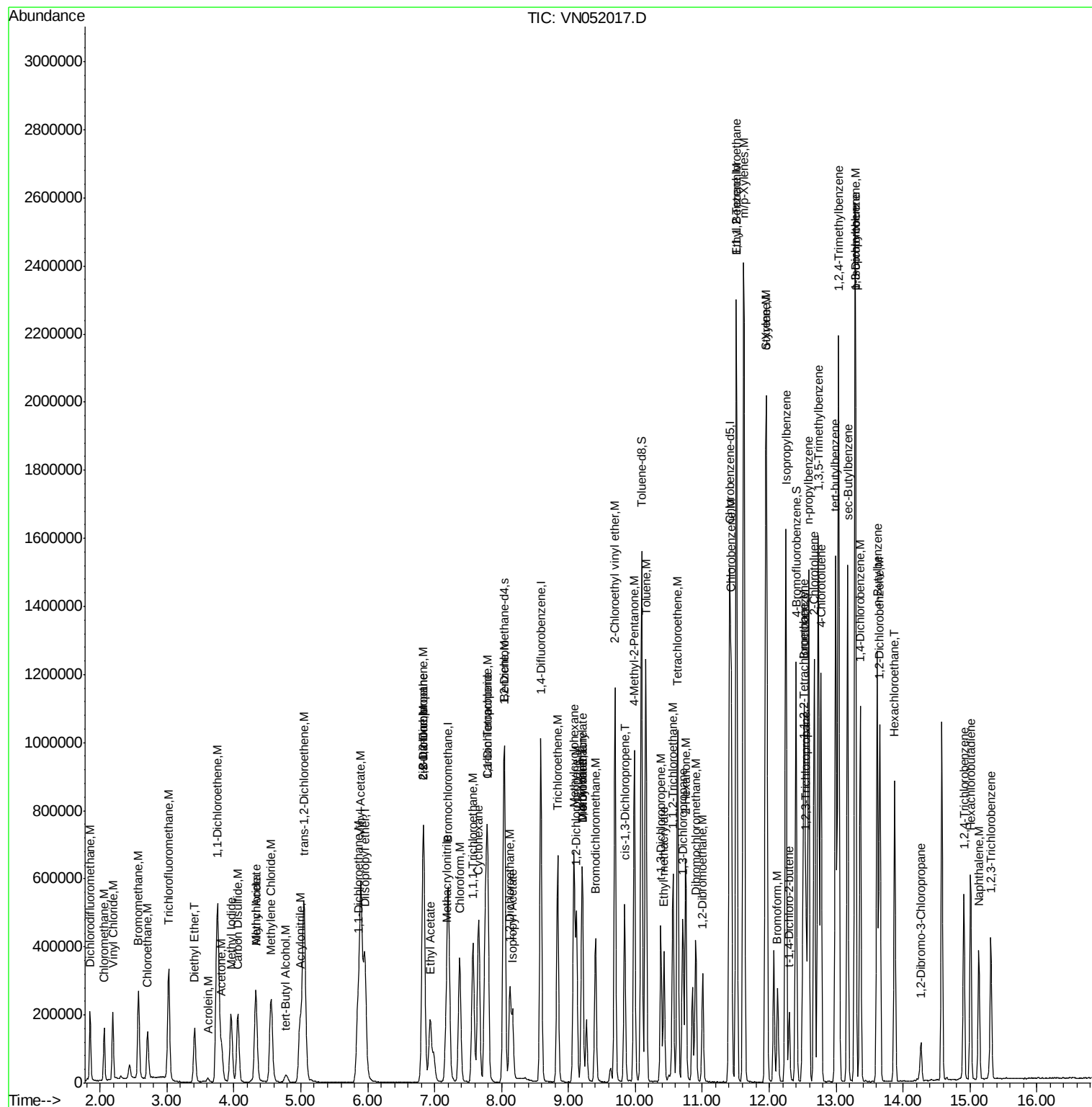
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	6.93	43	114166	19.250	ug/l	99
44) Isopropyl Acetate	8.16	43	216898	18.309	ug/l	95
45) 1,4-Dioxane	9.20	88	25716	270.355	ug/l #	74
46) Methyl methacrylate	9.20	41	102387	18.738	ug/l	68
48) t-1,3-Dichloropropene	10.38	75	252127	18.527	ug/l	95
49) cis-1,3-Dichloropropene	9.84	75	298582	19.903	ug/l	96
50) 1,1,2-Trichloroethane	10.56	97	204430	21.899	ug/l	94
51) Ethyl methacrylate	10.43	69	206175	19.291	ug/l	84
52) 1,3-Dichloropropane	10.71	76	308691	21.426	ug/l	99
53) Dibromochloromethane	10.90	129	231073	20.009	ug/l	94
54) 1,2-Dibromoethane	11.00	107	213430	21.782	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	527452	115.446	ug/l #	91
56) Bromoform	12.12	173	139665	18.338	ug/l #	95
58) 4-Methyl-2-Pentanone	9.98	43	584068	94.535	ug/l #	86
59) 2-Hexanone	10.75	43	377614	90.595	ug/l #	88
61) Tetrachloroethene	10.63	164	264846	22.431	ug/l	96
62) Toluene	10.16	91	1005665	21.926	ug/l	99
64) Chlorobenzene	11.43	112	676830	22.532	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.51	131	249652	21.653	ug/l	99
66) Ethyl Benzene	11.51	91	1083201	21.369	ug/l	98
67) m/p-Xylenes	11.62	106	890011	43.307	ug/l	93
68) o-Xylene	11.95	106	425950	21.024	ug/l	87
69) Styrene	11.96	104	679134	21.848	ug/l	95
70) Isopropylbenzene	12.25	105	1148571	21.259	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.50	83	203849	19.106	ug/l	95
72) 1,2,3-Trichloropropane	12.55	75	244583	29.140	ug/l	82
73) Bromobenzene	12.53	156	314905	23.532	ug/l	74
74) n-propylbenzene	12.59	91	1205901	20.751	ug/l	92
75) 2-Chlorotoluene	12.67	91	709826	20.834	ug/l	89
76) 1,3,5-Trimethylbenzene	12.73	105	914374	20.467	ug/l	98
77) t-1,4-Dichloro-2-butene	12.30	75	42402	15.275	ug/l	93
78) 4-Chlorotoluene	12.77	91	699897	20.909	ug/l	86
79) tert-butylbenzene	12.99	119	849693	20.681	ug/l	92
80) 1,2,4-Trimethylbenzene	13.04	105	919230	20.587	ug/l	94
81) sec-Butylbenzene	13.17	105	1087352	20.231	ug/l	94
82) p-Isopropyltoluene	13.29	119	981262	20.403	ug/l	95
83) 1,3-Dichlorobenzene	13.28	146	534161	22.621	ug/l	98
84) 1,4-Dichlorobenzene	13.36	146	522950	23.525	ug/l	98
85) n-Butylbenzene	13.61	91	715237	19.721	ug/l	94
86) Hexachloroethane	13.87	117	138251	16.671	ug/l	98
87) 1,2-Dichlorobenzene	13.65	146	501102	21.920	ug/l	95
88) 1,2-Dibromo-3-Chloropropan	14.27	75	23045	14.463	ug/l #	59
89) 1,2,4-Trichlorobenzene	14.91	180	192243	20.469	ug/l	97
90) Hexachlorobutadiene	15.01	225	123898	16.818	ug/l	96
91) Naphthalene	15.13	128	357720	19.974	ug/l	99
92) 1,2,3-Trichlorobenzene	15.31	180	154405	14.845	ug/l	93

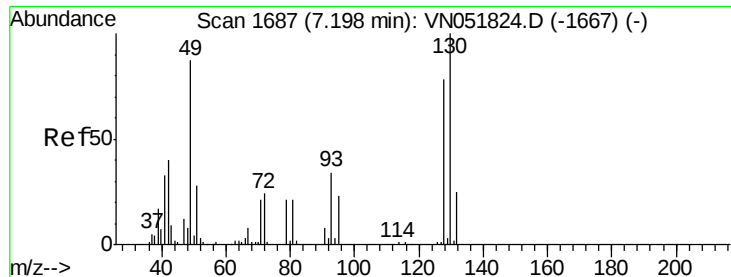
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

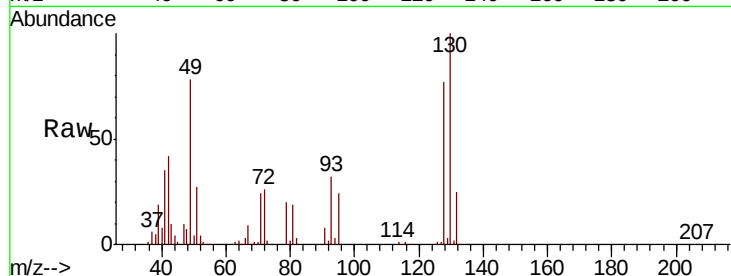
Tot Ion:128 Resp: 183261

Ion Ratio Lower Upper

128 100

49 97.7 0.0 403.3

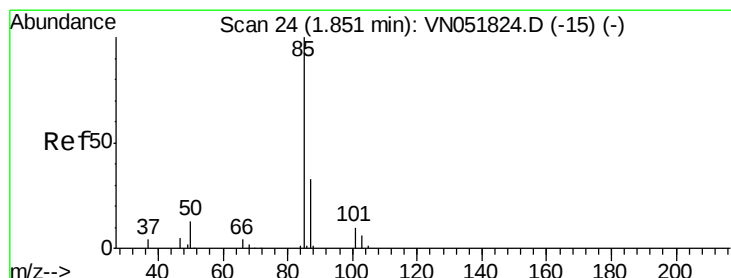
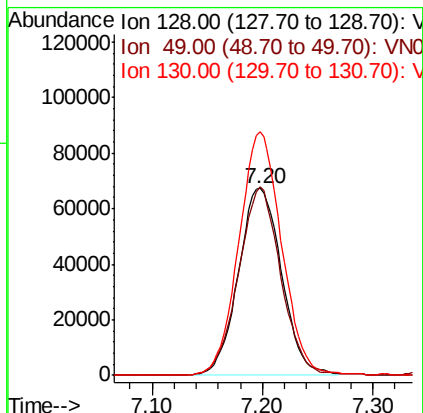
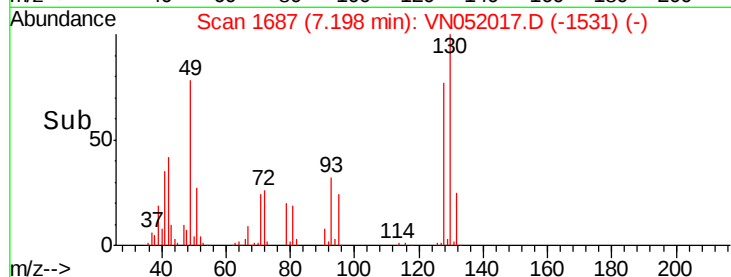
130 128.4 0.0 326.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 49.00 (48.70 to 49.70): VN0

Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 21.524 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN052017.D

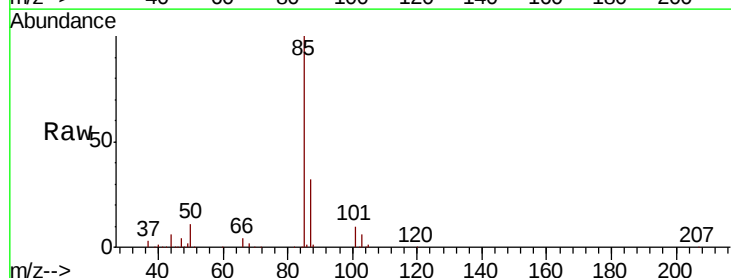
Acq: 25 Oct 2018 18:17

Tgt Ion: 85 Resp: 153243

Ion Ratio Lower Upper

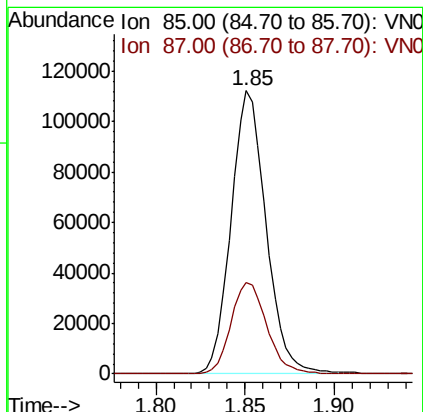
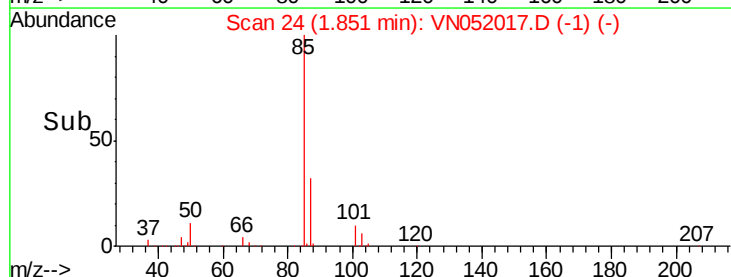
85 100

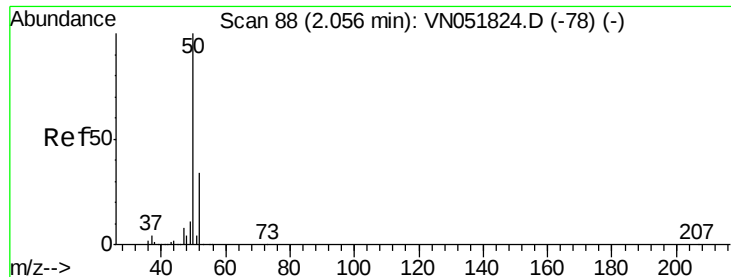
87 32.3 16.3 48.8



Abundance Ion 85.00 (84.70 to 85.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#3

Chloromethane

Concen: 18.900 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

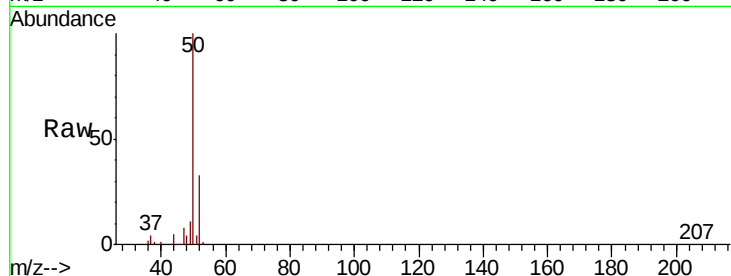
VSTDCCC020EC

Tot Ion: 50 Resp: 142218

Ion Ratio Lower Upper

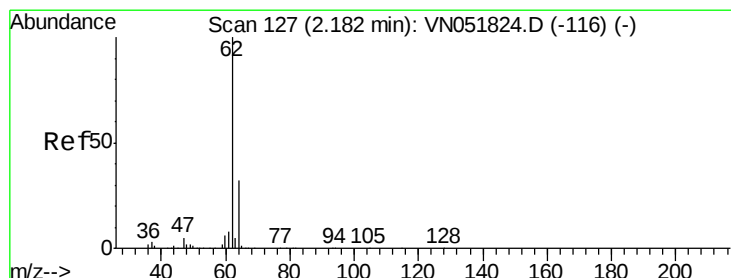
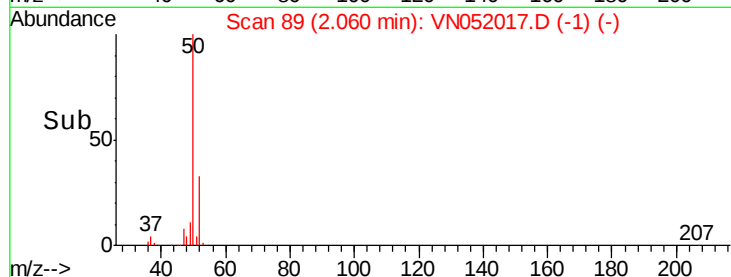
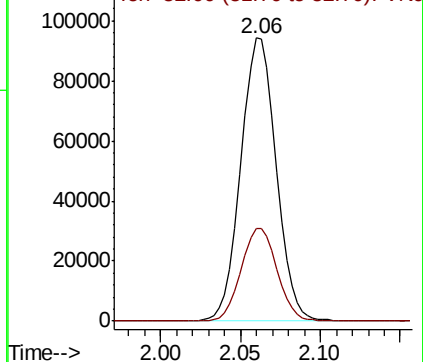
50 100

52 32.6 27.2 40.8



Abundance Ion 50.00 (49.70 to 50.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#4

Vinyl Chloride

Concen: 15.437 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.01 min

Lab File: VN052017.D

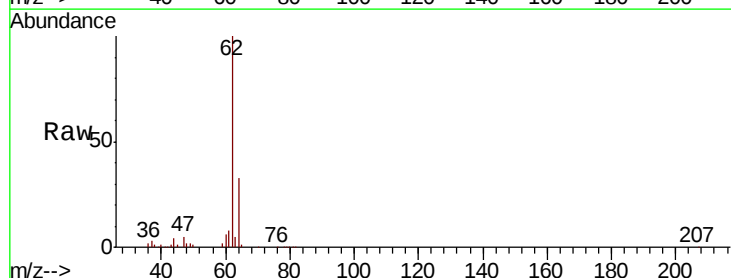
Acq: 25 Oct 2018 18:17

Tgt Ion: 62 Resp: 173467

Ion Ratio Lower Upper

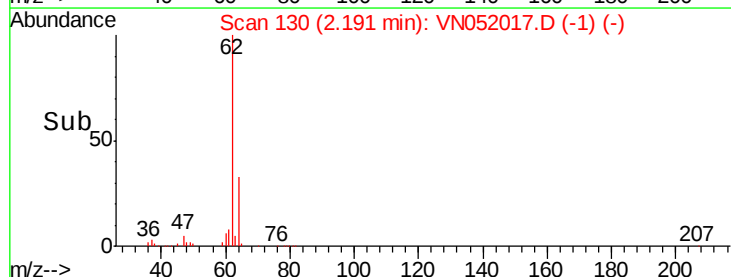
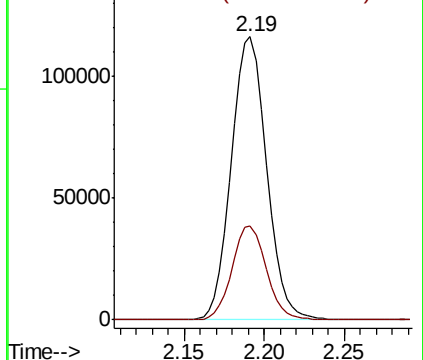
62 100

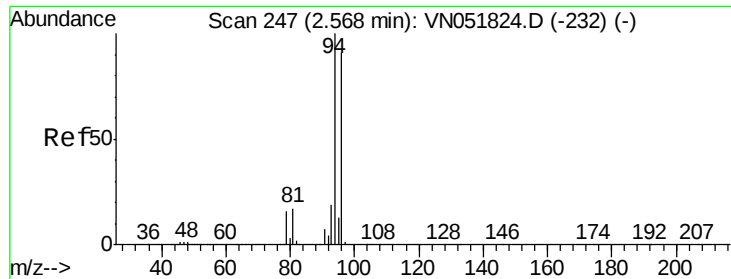
64 33.3 25.4 38.2



Abundance Ion 62.00 (61.70 to 62.70): VN0

Ion 64.00 (63.70 to 64.70): VN0





#5

Bromomethane

Concen: 17.448 ug/l

RT: 2.57 min Scan# 249

Delta R.T. 0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

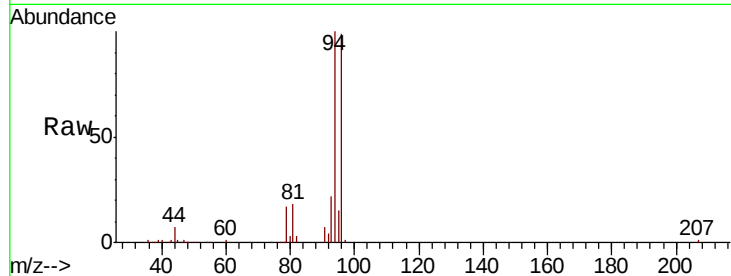
VSTDCCC020EC

Tot Ion: 94 Resp: 173233

Ion Ratio Lower Upper

94 100

96 98.7 66.4 99.6



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.57

100000

80000

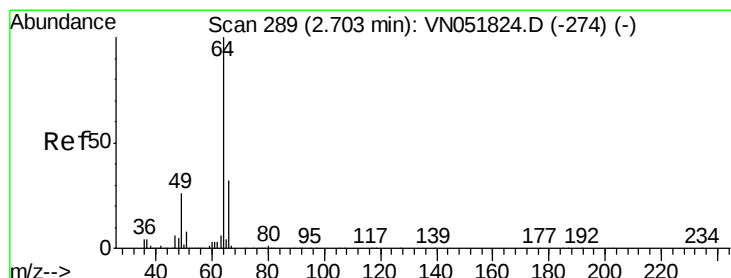
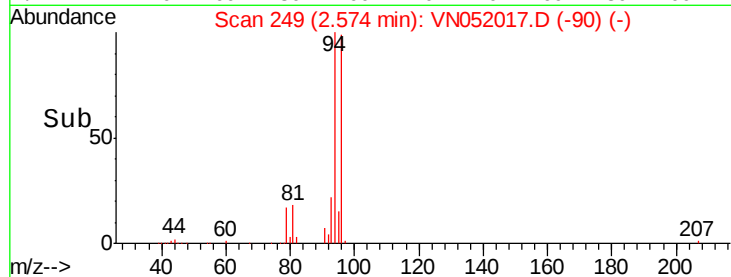
60000

40000

20000

0

Time-->



#6

Chloroethane

Concen: 15.843 ug/l

RT: 2.71 min Scan# 292

Delta R.T. 0.01 min

Lab File: VN052017.D

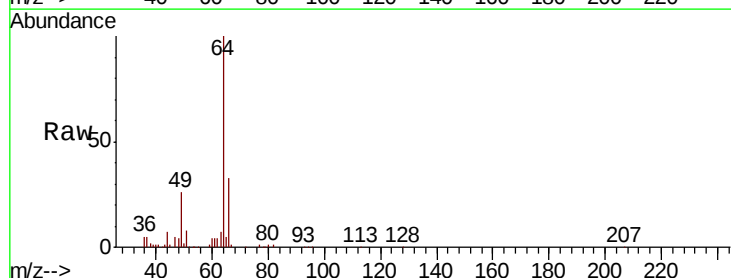
Acq: 25 Oct 2018 18:17

Tgt Ion: 64 Resp: 128302

Ion Ratio Lower Upper

64 100

66 33.3 25.8 38.6



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.71

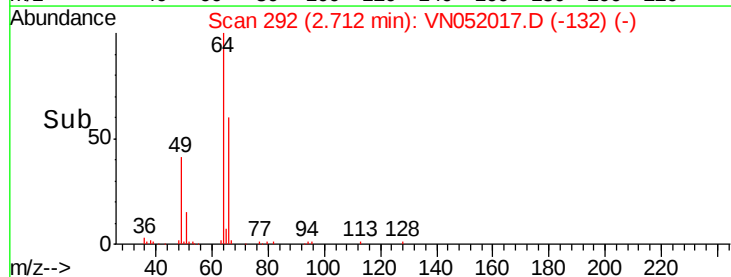
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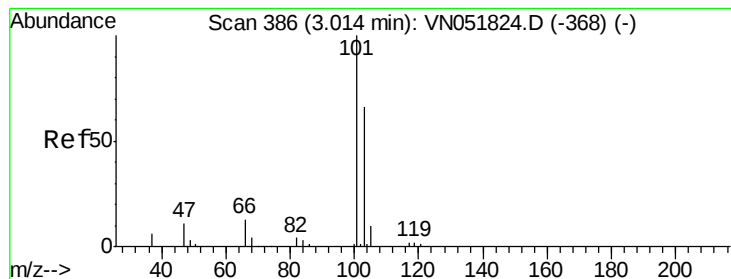
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20000

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Time-->



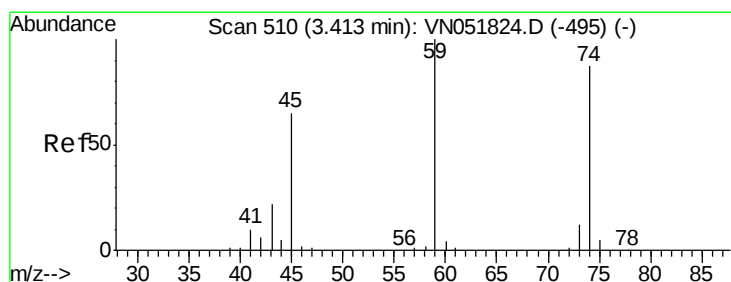
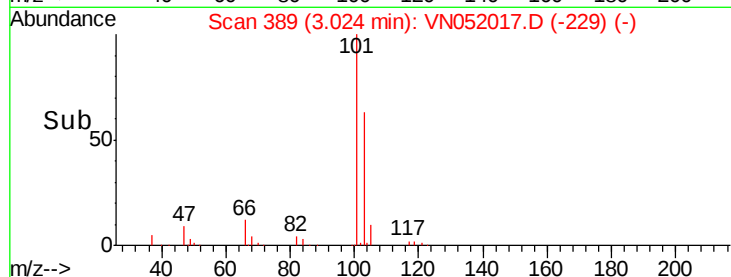
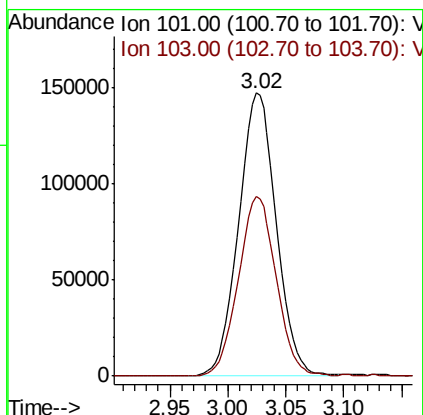
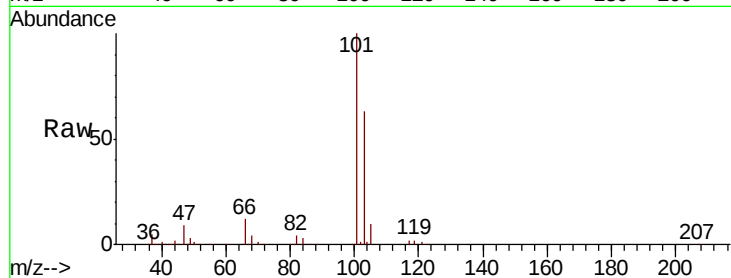


#7

Trichlorofluoromethane
 Concen: 20.763 ug/l
 RT: 3.02 min Scan# 389
 Delta R.T. 0.01 min
 Lab File: VN052017.D
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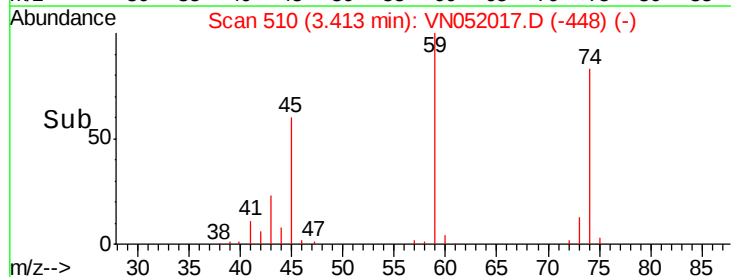
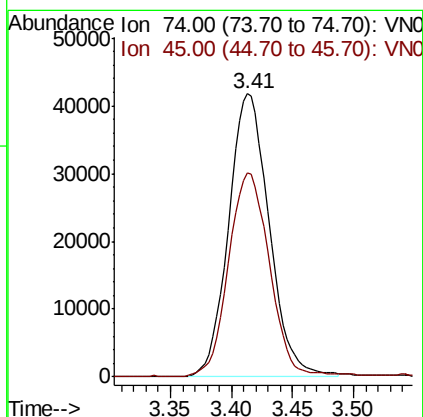
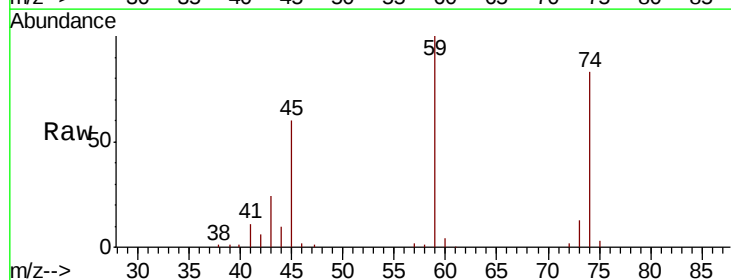
Tot Ion:101 Resp: 332627
 Ion Ratio Lower Upper
 101 100
 103 63.3 54.8 82.2

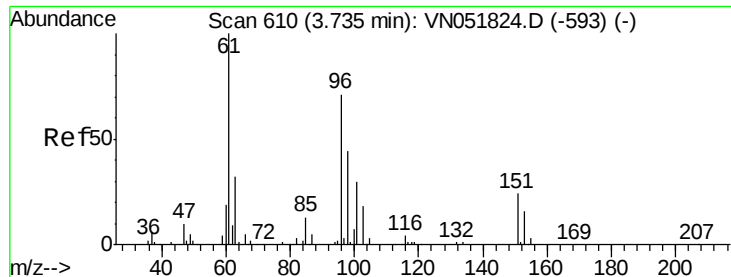


#8

Diethyl Ether
 Concen: 20.735 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion: 74 Resp: 96704
 Ion Ratio Lower Upper
 74 100
 45 72.0 20.7 186.5





#10

1,1-Dichloroethene

Concen: 21.587 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

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ClientSampleId :

VSTDCCC020EC

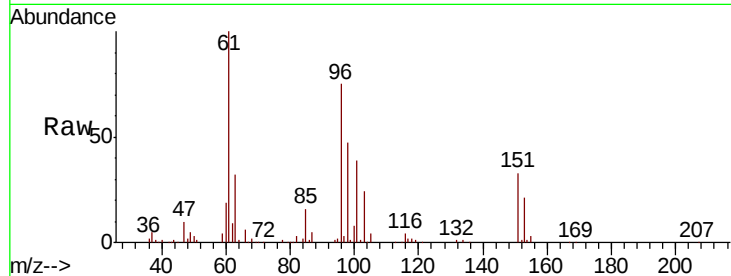
Tot Ion: 96 Resp: 182140

Ion Ratio Lower Upper

96 100

61 133.9 133.0 199.6

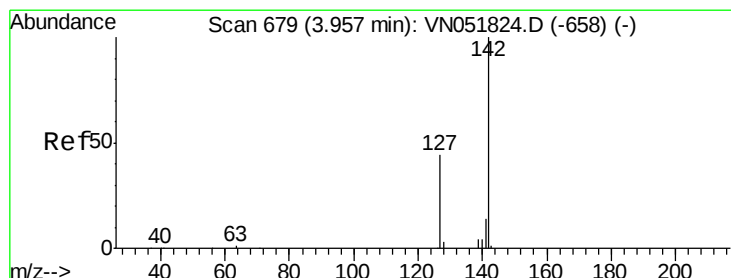
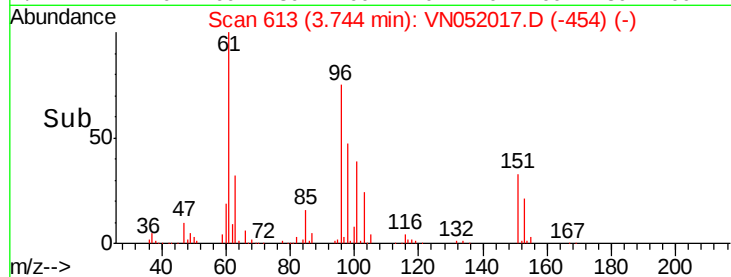
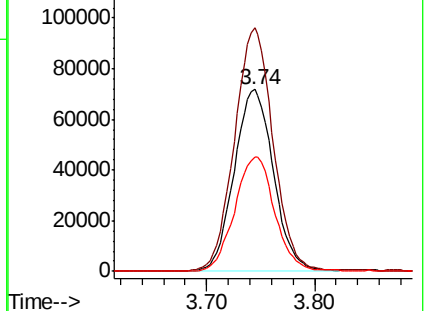
98 62.8 52.6 78.8



Abundance Ion 96.00 (95.70 to 96.70): VN051824.D (-593) (-)

Ion 61.00 (60.70 to 61.70): VN051824.D (-593) (-)

Ion 98.00 (97.70 to 98.70): VN051824.D (-593) (-)



#11

Methyl Iodide

Concen: 26.386 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

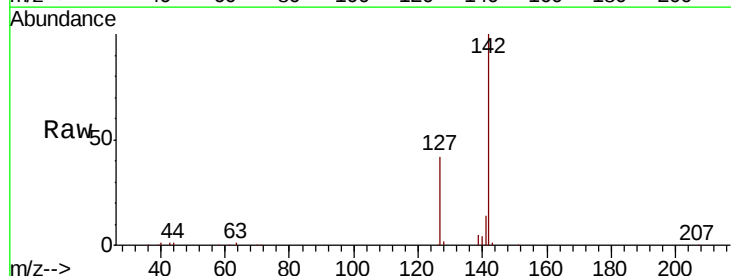
Tgt Ion: 142 Resp: 323639

Ion Ratio Lower Upper

142 100

127 41.9 19.7 59.0

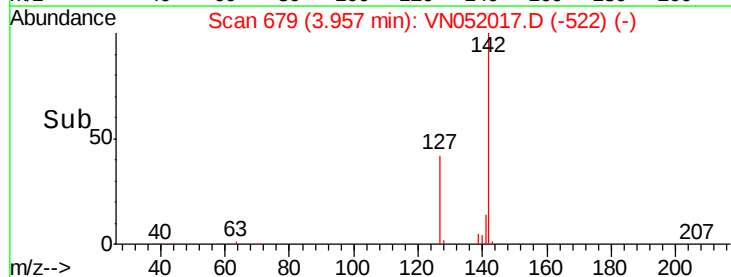
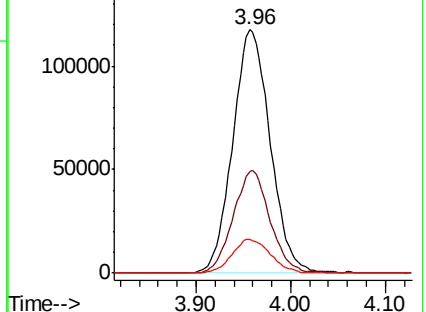
141 13.6 6.3 18.9

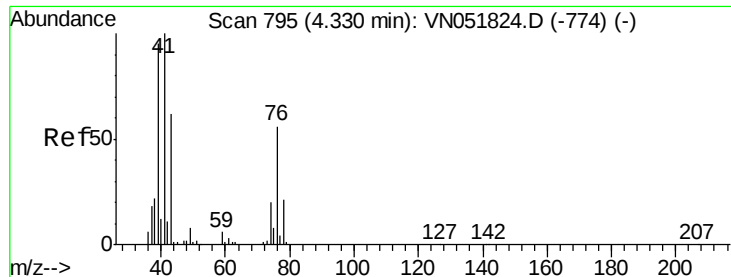


Abundance Ion 142.00 (141.70 to 142.70): VN051824.D (-658) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-658) (-)

Ion 141.00 (140.70 to 141.70): VN051824.D (-658) (-)

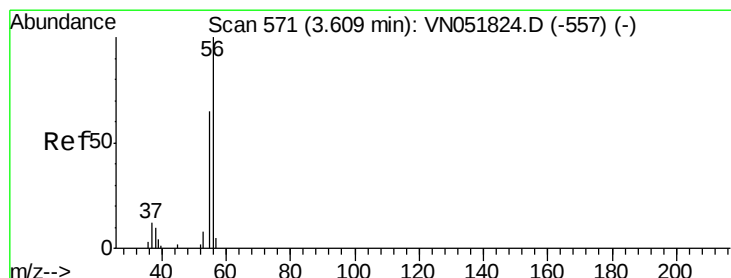
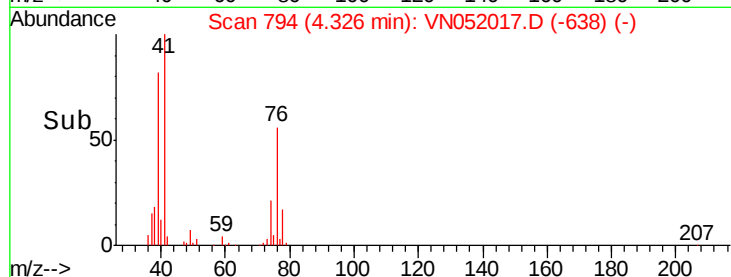
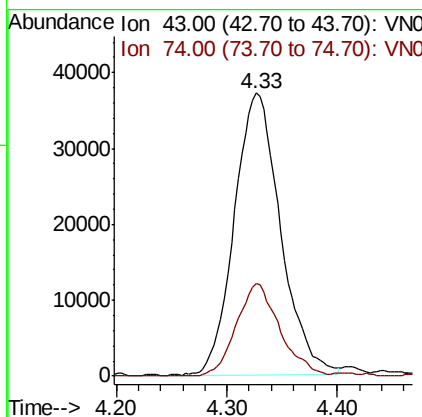
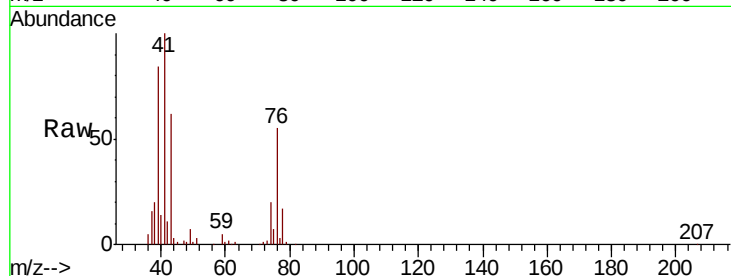




#12
Methvl Acetate
Concen: 20.684 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

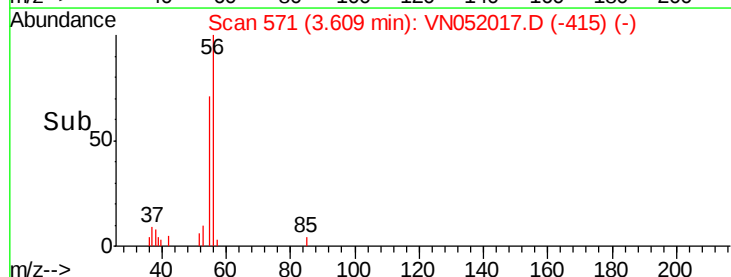
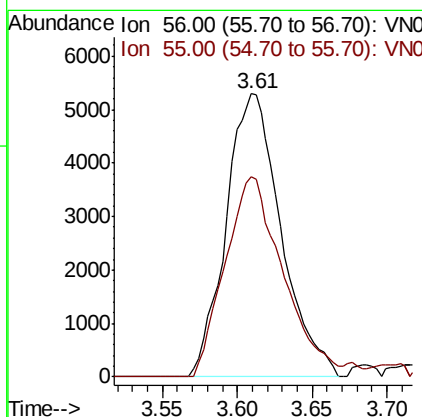
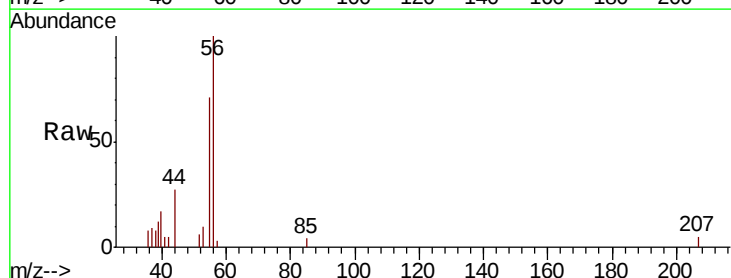
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

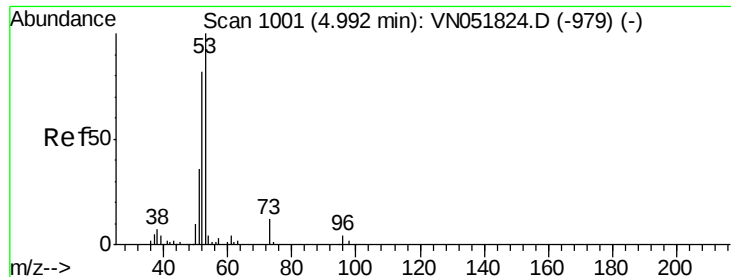
Tot Ion: 43 Resp: 108374
Ion Ratio Lower Upper
43 100
74 32.8 21.8 32.6#



#13
Acrolein
Concen: 39.235 ug/l
RT: 3.61 min Scan# 571
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 56 Resp: 13544
Ion Ratio Lower Upper
56 100
55 74.2 64.0 96.0





#14

Acrylonitrile

Concen: 100.603 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

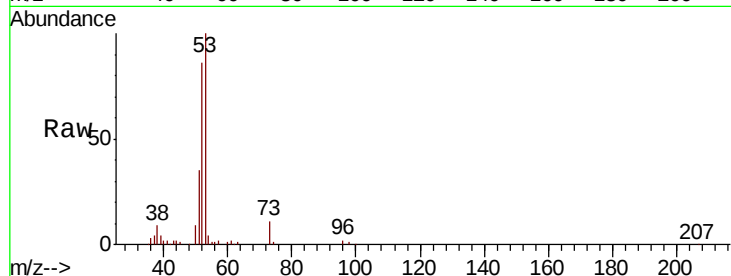
Tot Ion: 53 Resp: 235581

Ion Ratio Lower Upper

53 100

52 81.7 18.3 54.8#

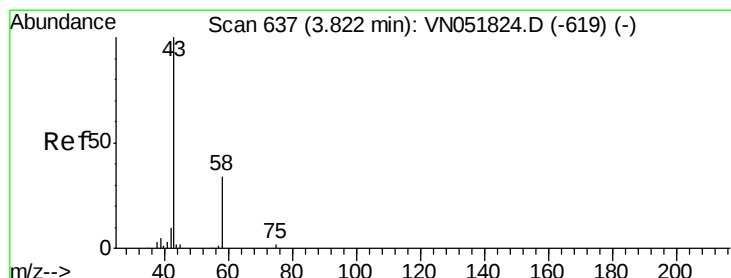
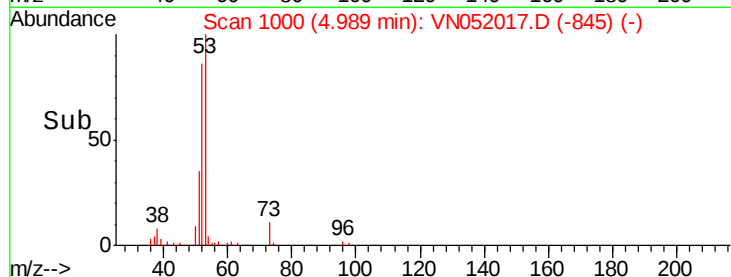
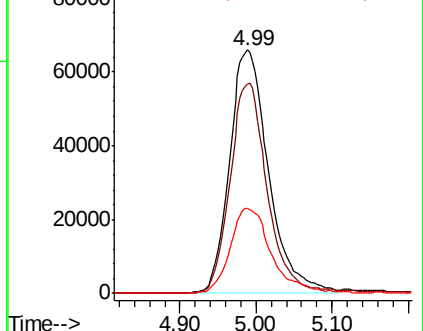
51 36.6 19.7 59.1



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#15

Acetone

Concen: 90.950 ug/l

RT: 3.82 min Scan# 636

Delta R.T. -0.00 min

Lab File: VN052017.D

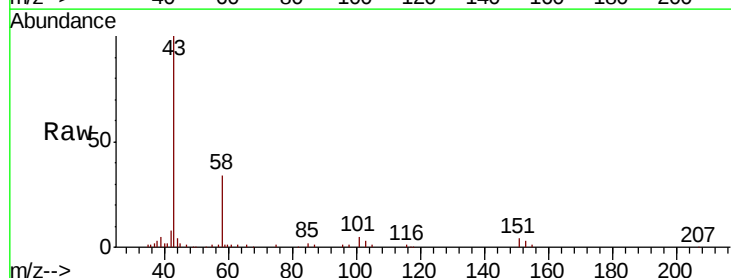
Acq: 25 Oct 2018 18:17

Tgt Ion: 58 Resp: 52648

Ion Ratio Lower Upper

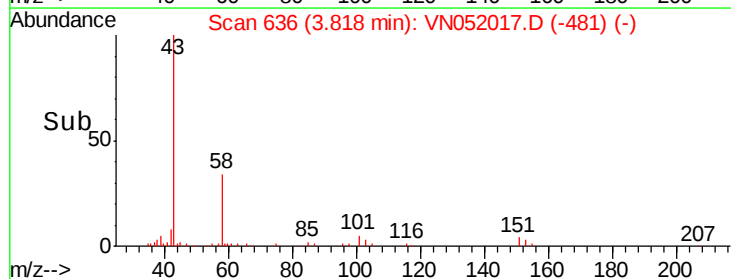
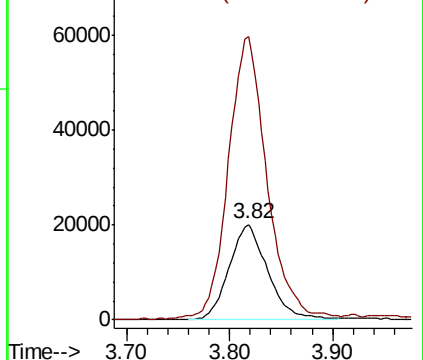
58 100

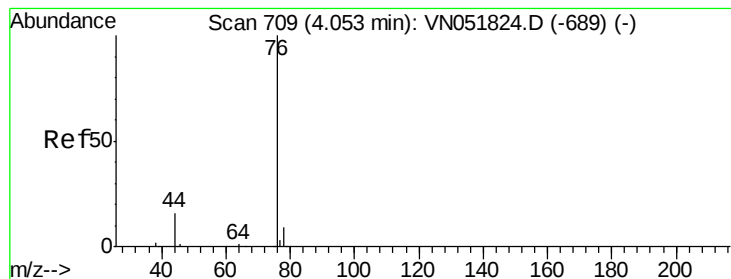
43 292.7 232.2 348.2



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0





#16

Carbon Disulfide

Concen: 18.135 ug/l

RT: 4.06 min Scan# 711

Delta R.T. 0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

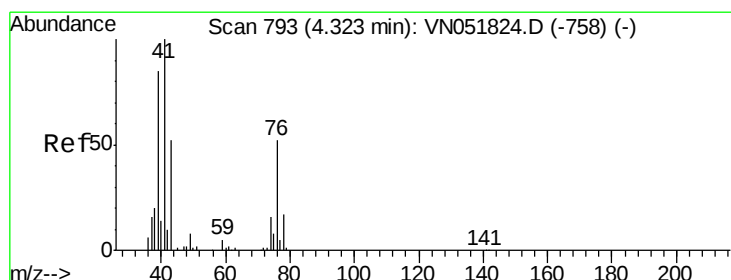
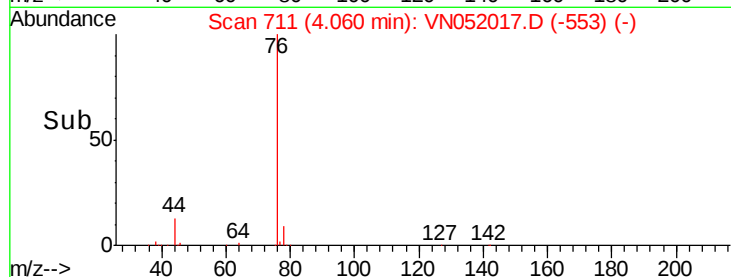
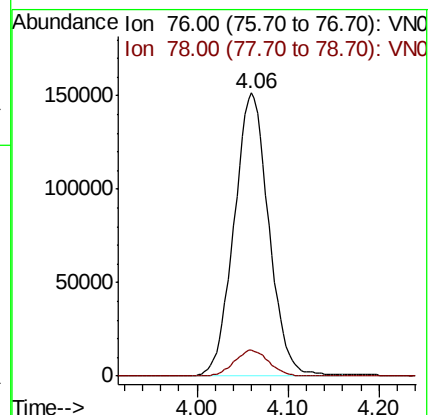
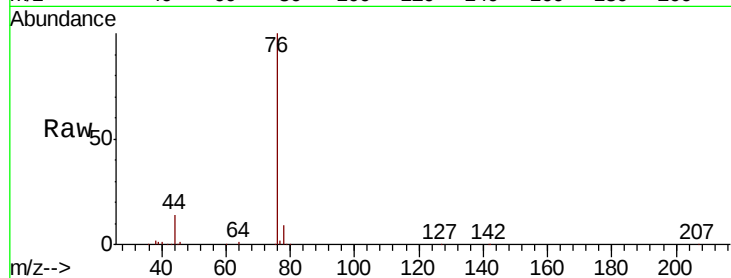
VSTDCCC020EC

Tot Ion: 76 Resp: 401856

Ion Ratio Lower Upper

76 100

78 9.3 6.7 10.1



#17

Allyl chloride

Concen: 16.915 ug/l

RT: 4.33 min Scan# 794

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

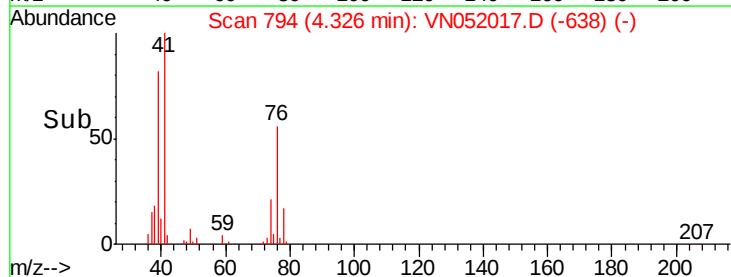
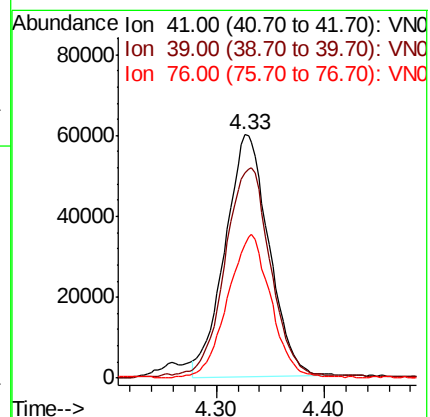
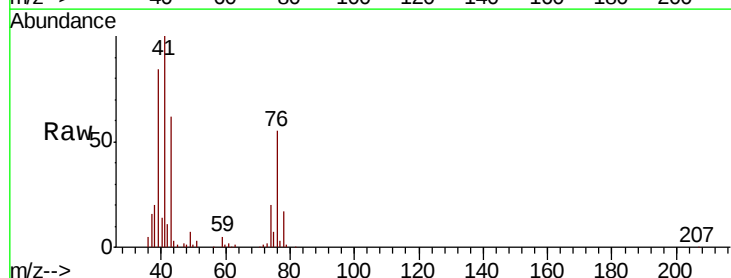
Tgt Ion: 41 Resp: 169442

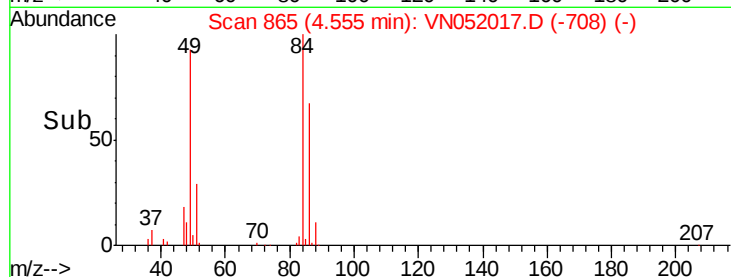
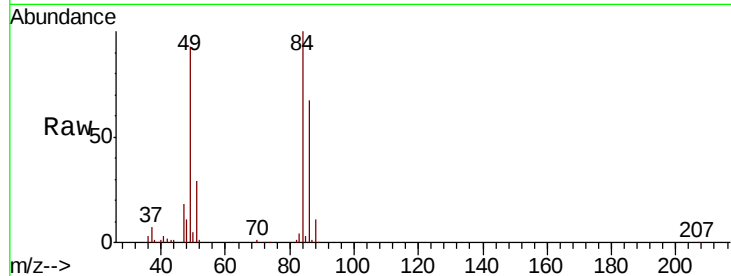
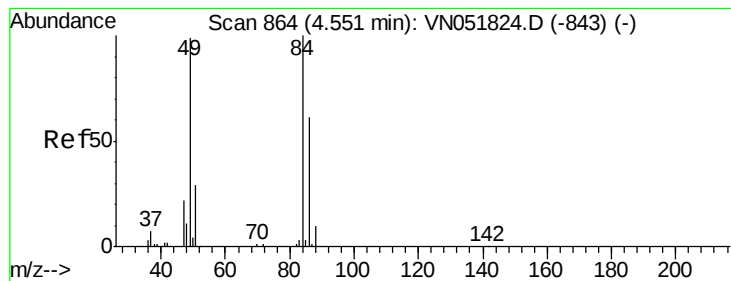
Ion Ratio Lower Upper

41 100

39 83.9 32.6 97.8

76 54.7 20.2 60.5





#18

Methvlene Chloride

Concen: 22.078 ug/l

RT: 4.55 min Scan# 865

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

Tot Ion: 84 Resp: 208281

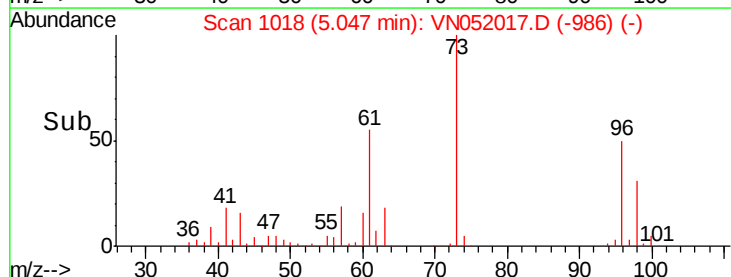
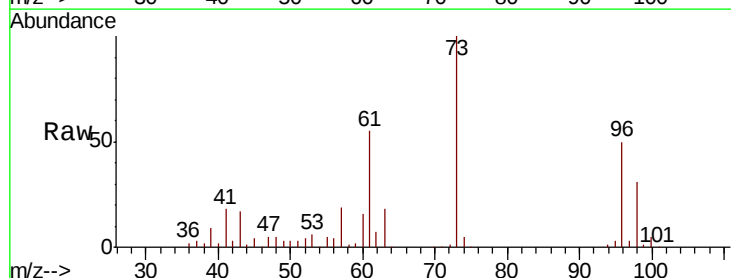
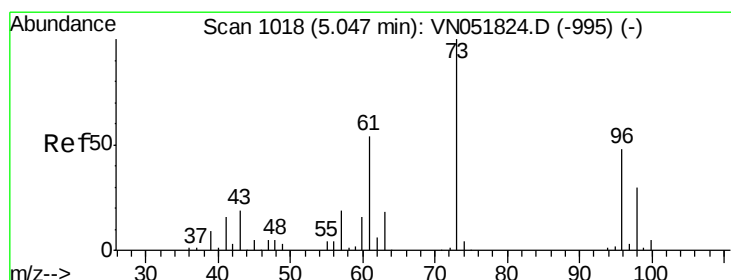
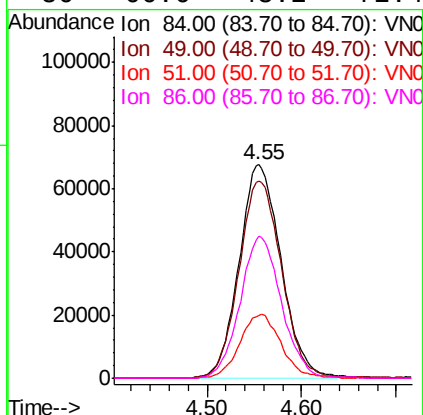
Ion Ratio Lower Upper

84 100

49 92.5 91.6 137.4

51 29.2 29.8 44.6#

86 66.6 48.2 72.4



#19

trans-1,2-Dichloroethene

Concen: 21.231 ug/l

RT: 5.05 min Scan# 1018

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

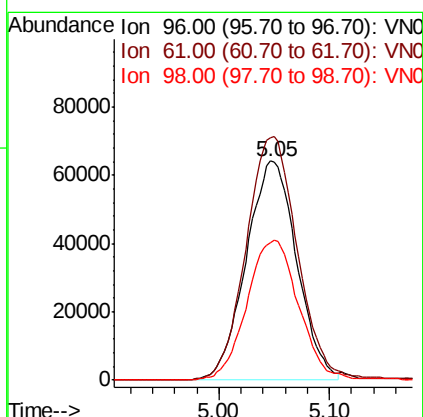
Tgt Ion: 96 Resp: 204545

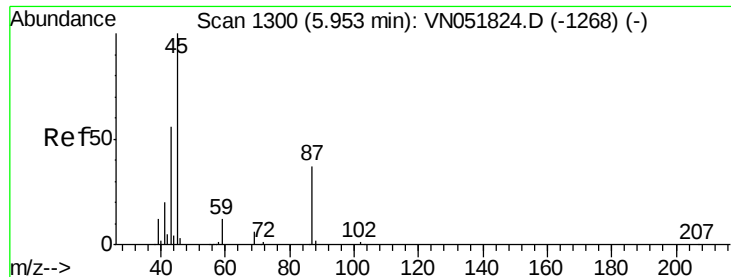
Ion Ratio Lower Upper

96 100

61 110.9 112.3 168.5#

98 63.0 47.1 70.7

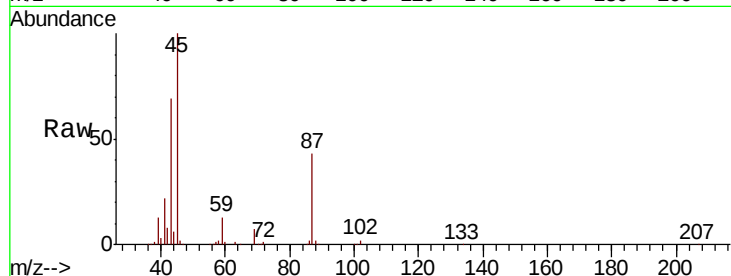




#20
Diisopropyl ether
Concen: 19.779 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion:	45	Resp:	441267
Ion	Ratio	Lower	Upper
45	100		
43	65.6	62.1	93.1
87	42.3	19.9	29.9#
59	12.8	9.8	14.6



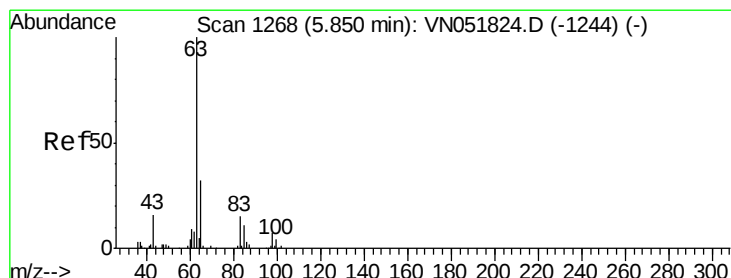
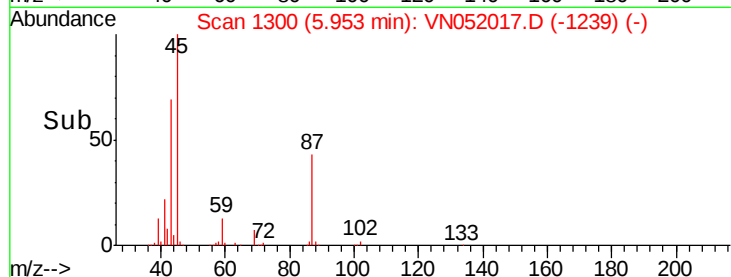
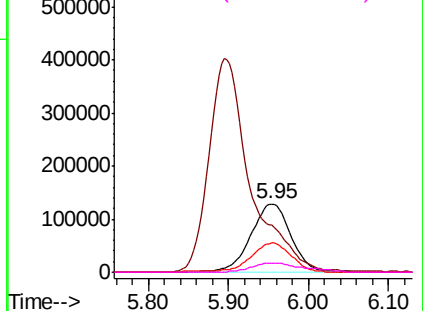
Abundance

Ion 45.00 (44.70 to 45.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

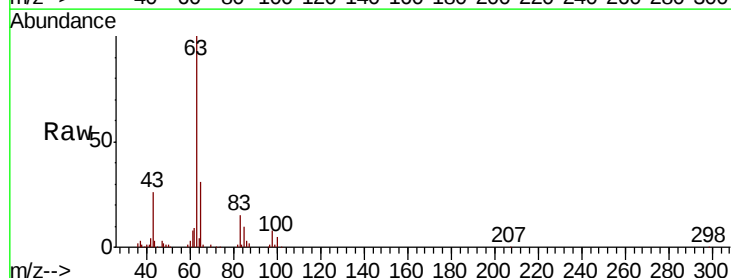
Ion 87.00 (86.70 to 87.70): VNO

Ion 59.00 (58.70 to 59.70): VNO



#21
1,1-Dichloroethane
Concen: 20.872 ug/l
RT: 5.85 min Scan# 1269
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion:	63	Resp:	325368
Ion	Ratio	Lower	Upper
63	100		
98	7.8	4.1	12.3
100	5.0	1.6	4.7#

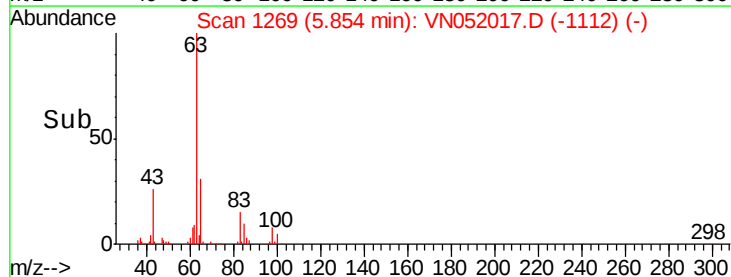
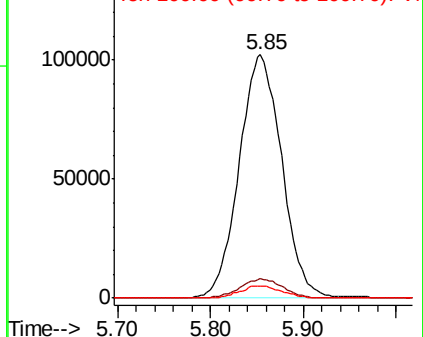


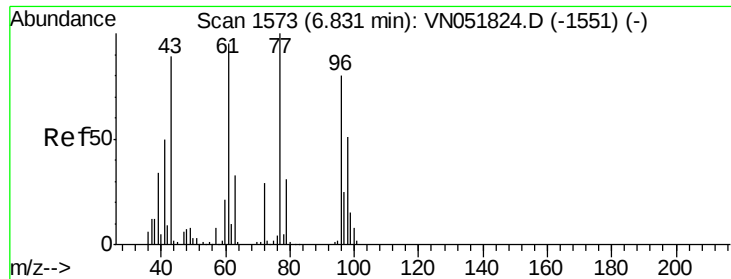
Abundance

Ion 63.00 (62.70 to 63.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

Ion 100.00 (99.70 to 100.70): VNO

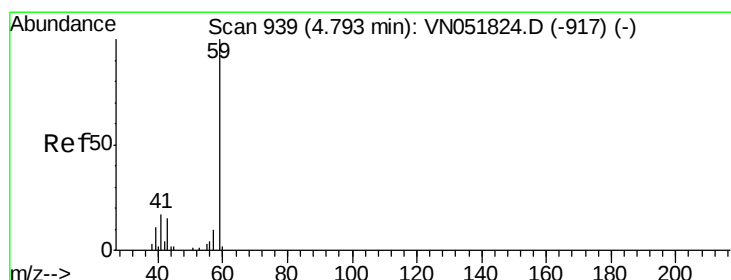
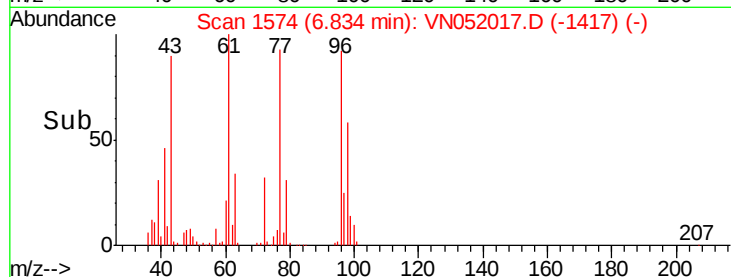
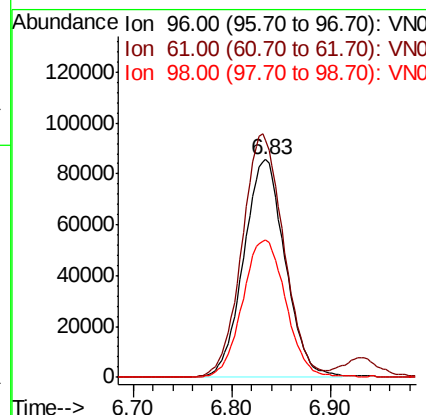
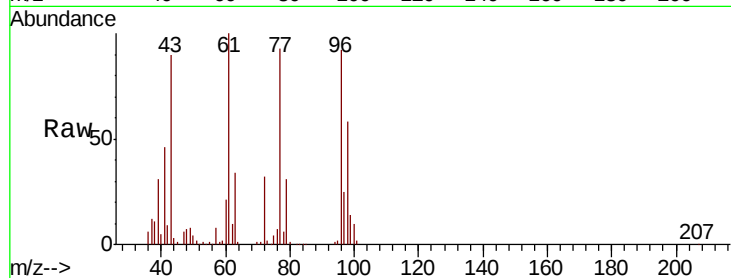




#22
 cis-1,2-Dichloroethene
 Concen: 22.071 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

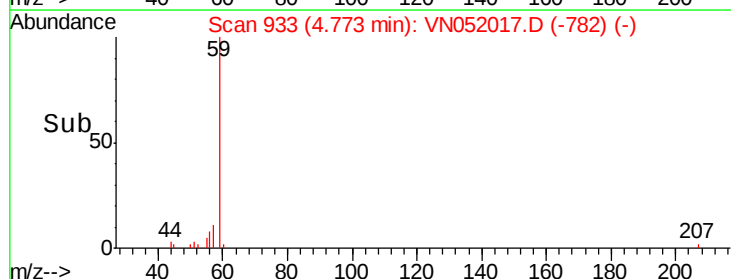
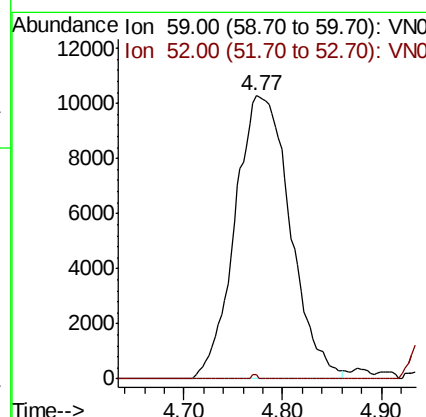
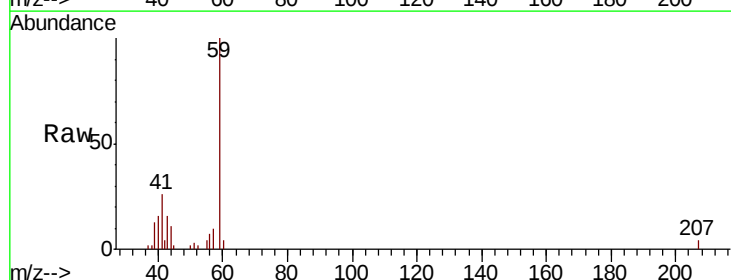
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

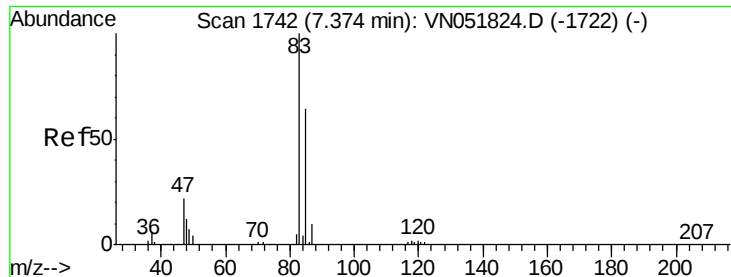
Tot Ion: 96 Resp: 249759
 Ion Ratio Lower Upper
 96 100
 61 112.4 124.5 186.7#
 98 65.5 51.9 77.9



#23
 tert-Butyl Alcohol
 Concen: 64.586 ug/l
 RT: 4.77 min Scan# 933
 Delta R.T. -0.02 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion: 59 Resp: 39832
 Ion Ratio Lower Upper
 59 100
 52 0.2 0.0 0.0#





#25

Chloroform

Concen: 21.410 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

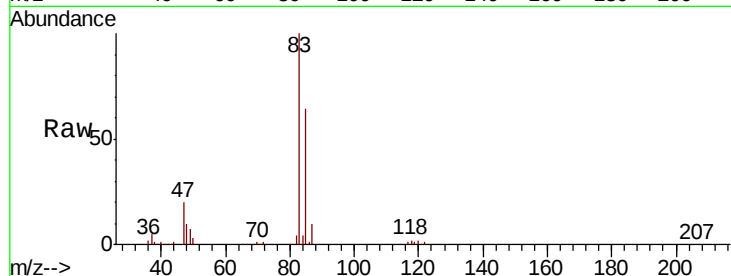
VSTDCCC020EC

Tot Ion: 83 Resp: 395952

Ion Ratio Lower Upper

83 100

85 63.7 54.6 82.0



Abundance Ion 83.00 (82.70 to 83.70): VN051824.D (-1722) (-)

Ion 85.00 (84.70 to 85.70): VN051824.D (-1722) (-)

7.37

150000

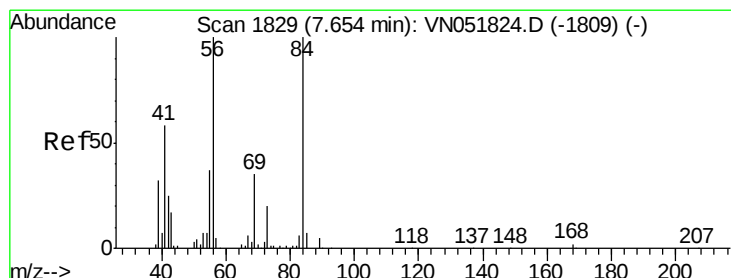
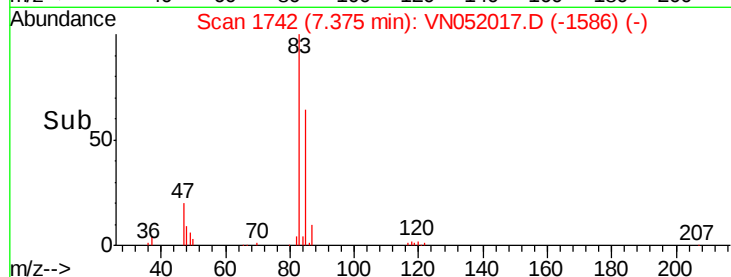
100000

50000

0

7.30 7.40

Time-->



#26

Cyclohexane

Concen: 18.419 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

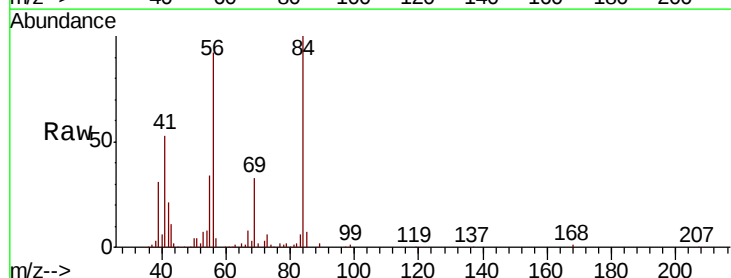
Tgt Ion: 56 Resp: 243425

Ion Ratio Lower Upper

56 100

89 1.1 1.5 2.3#

84 110.7 64.2 96.4#



Abundance Ion 56.00 (55.70 to 56.70): VN051824.D (-1809) (-)

Ion 89.00 (88.70 to 89.70): VN051824.D (-1809) (-)

Ion 84.00 (83.70 to 84.70): VN051824.D (-1809) (-)

150000

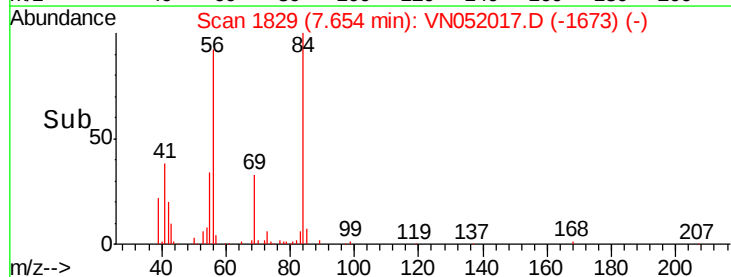
100000

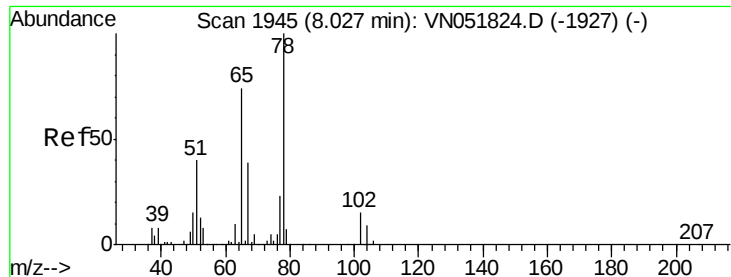
50000

0

7.55 7.60 7.65 7.70

Time-->

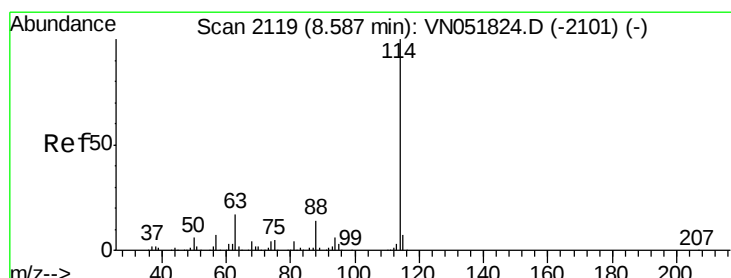
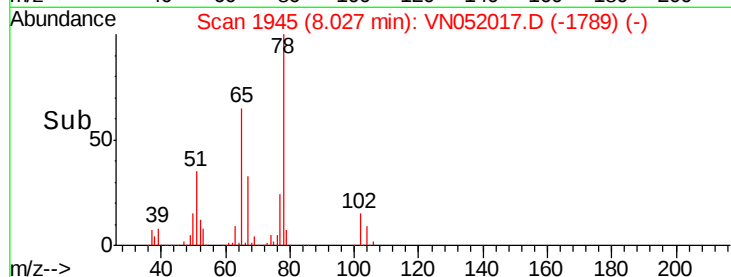
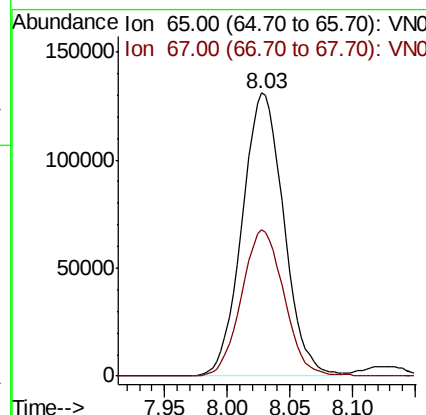
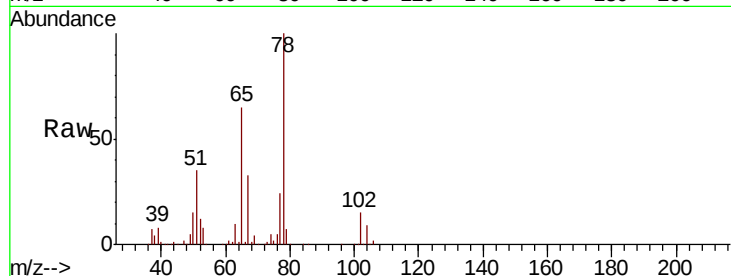




#27
 1,2-Dichloroethane-d4
 Concen: 18.419 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

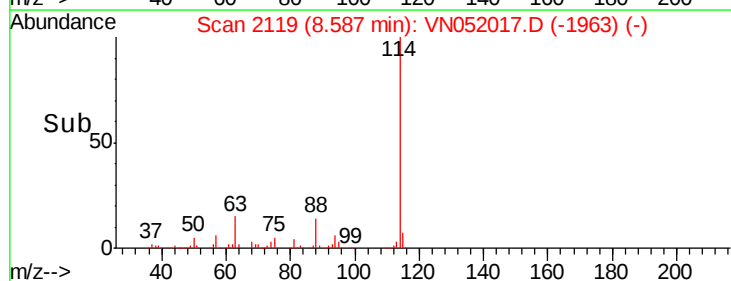
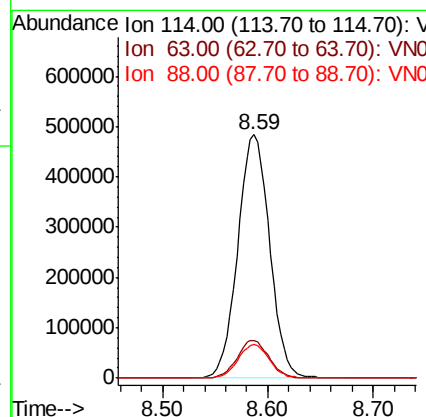
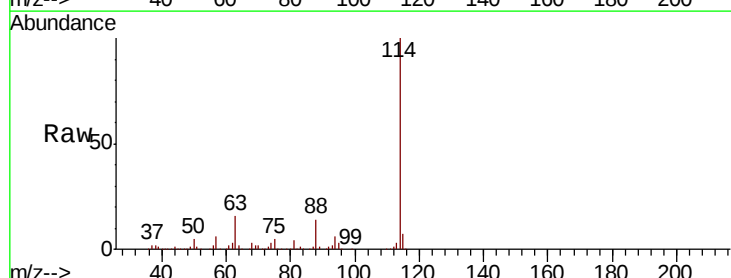
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

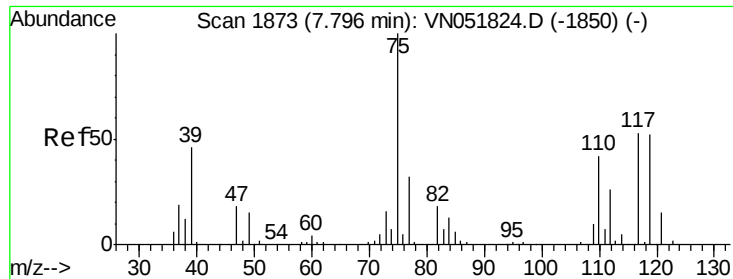
Tot Ion: 65 Resp: 303580
 Ion Ratio Lower Upper
 65 100
 67 52.4 41.8 62.8



#28
 1,4-Difluorobenzene
 Concen: 30.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion: 114 Resp: 1013808
 Ion Ratio Lower Upper
 114 100
 63 15.4 16.2 24.2#
 88 13.7 12.2 18.4

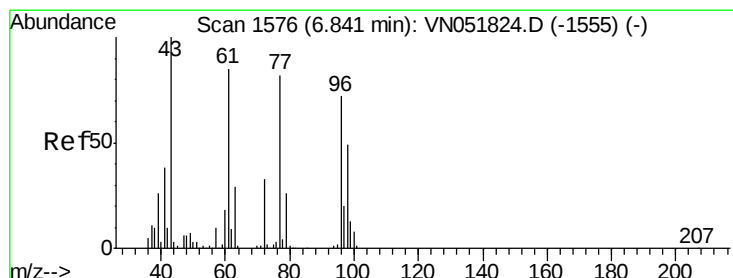
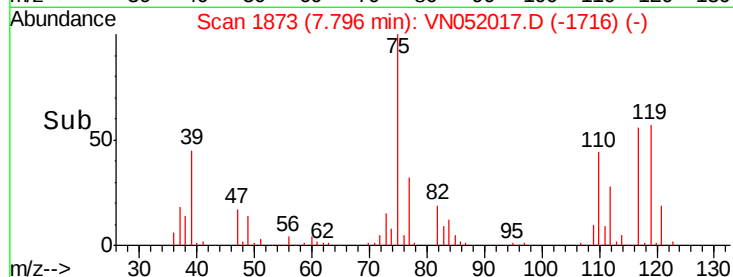
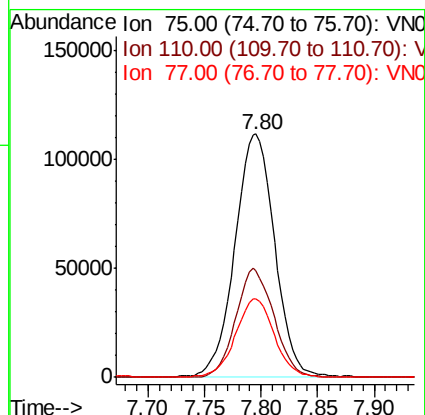
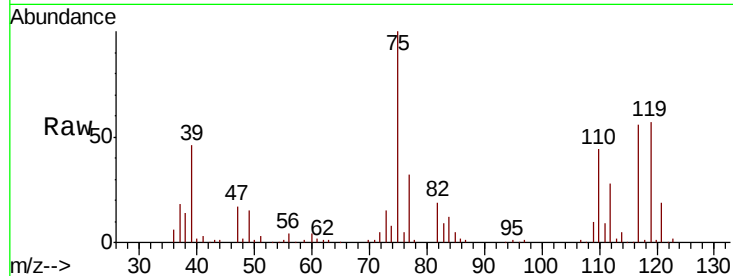




#29
 1,1-Dichloropropene
 Concen: 20.924 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

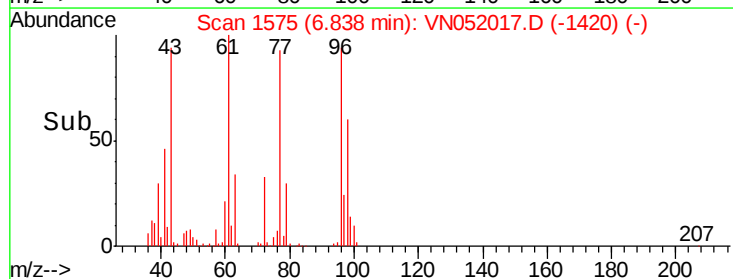
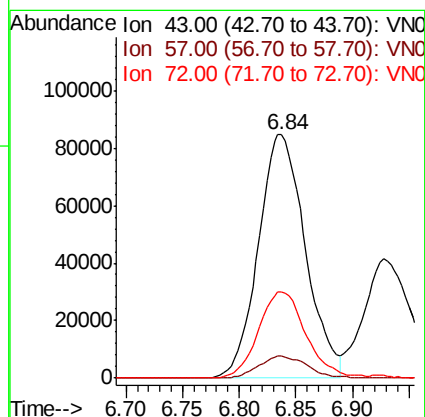
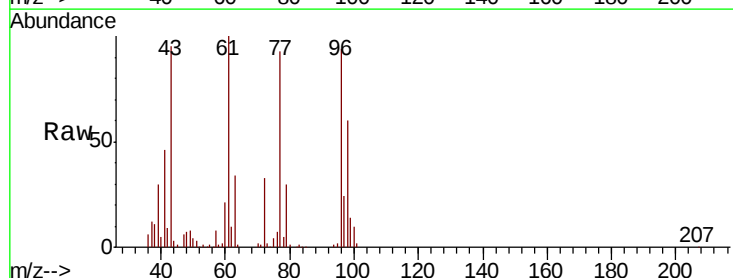
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

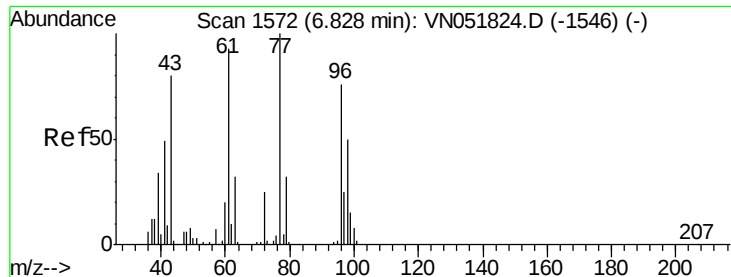
Tot Ion	Ratio	Lower	Upper
75	100		
110	42.7	0.0	70.8
77	31.5	0.0	61.6



#30
 2-Butanone
 Concen: 89.466 ug/l
 RT: 6.84 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
43	100		
57	9.2	4.5	6.7#
72	35.3	21.5	32.3#





#31

2,2-Dichloropropane

Concen: 18.743 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

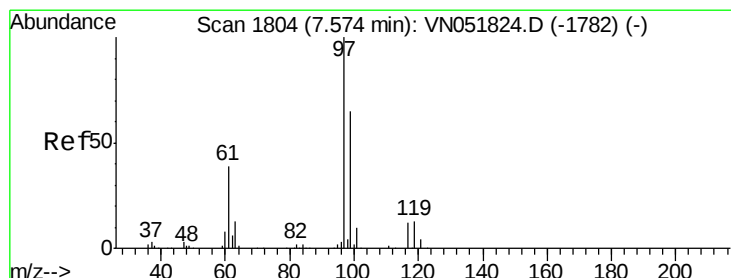
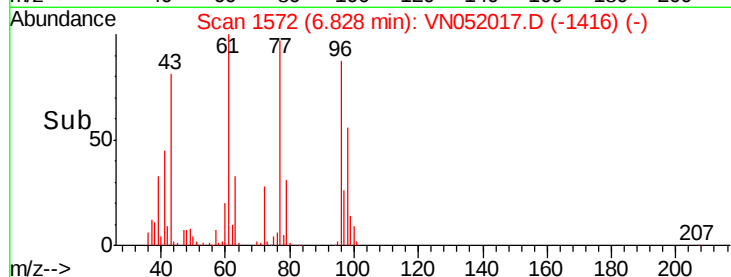
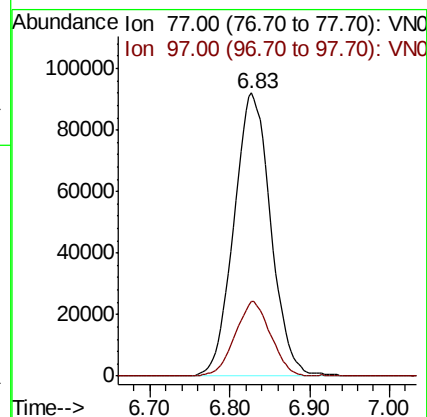
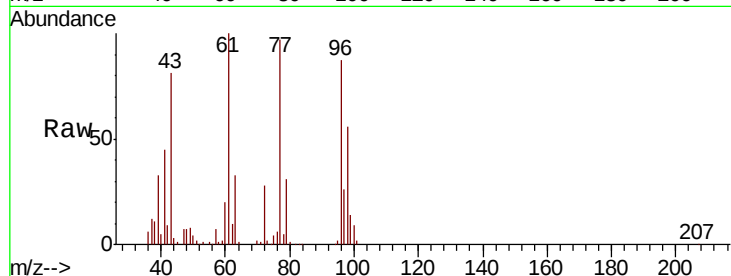
VSTDCCC020EC

Tot Ion: 77 Resp: 288136

Ion Ratio Lower Upper

77 100

97 25.4 12.0 18.0#



#32

1,1,1-Trichloroethane

Concen: 20.864 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

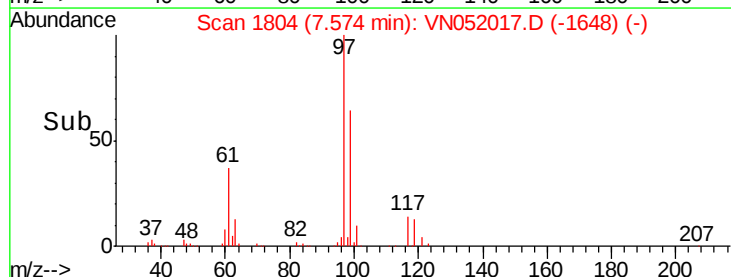
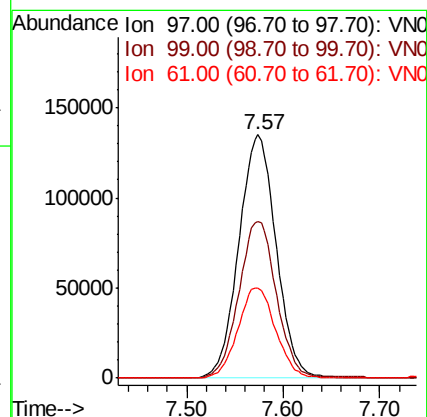
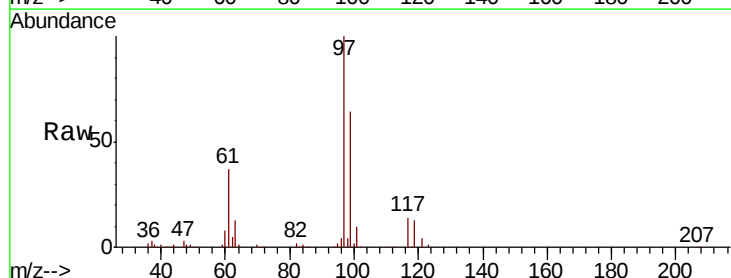
Tgt Ion: 97 Resp: 361485

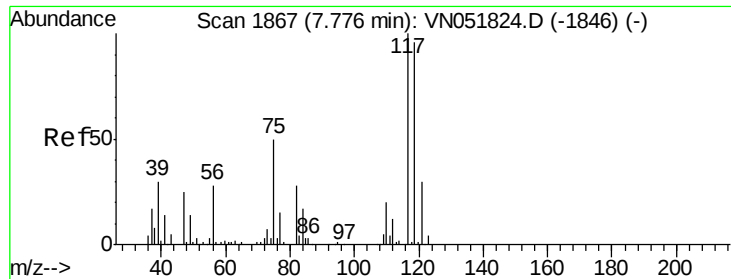
Ion Ratio Lower Upper

97 100

99 64.7 51.6 77.4

61 37.6 37.4 56.0

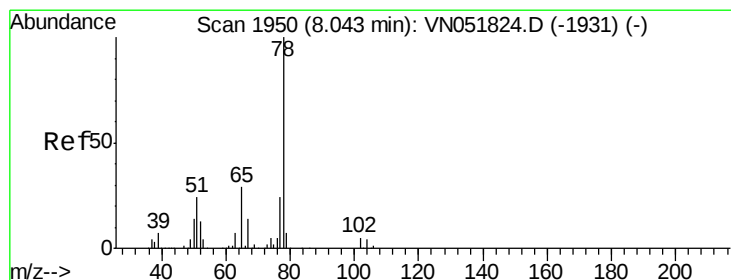
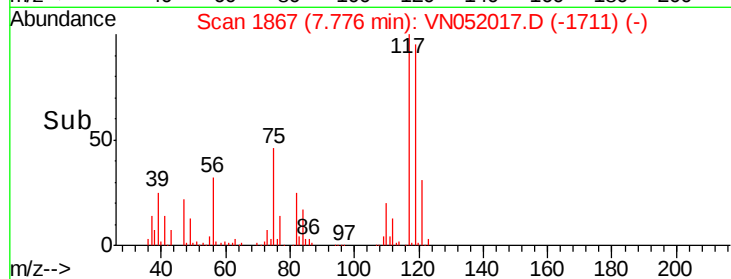
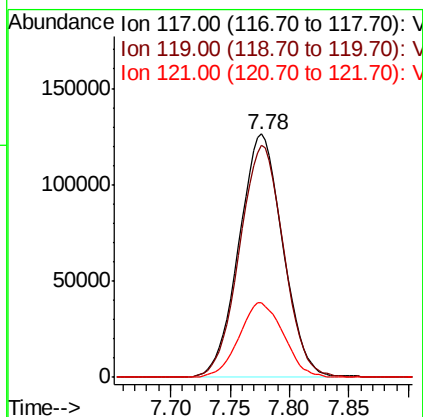
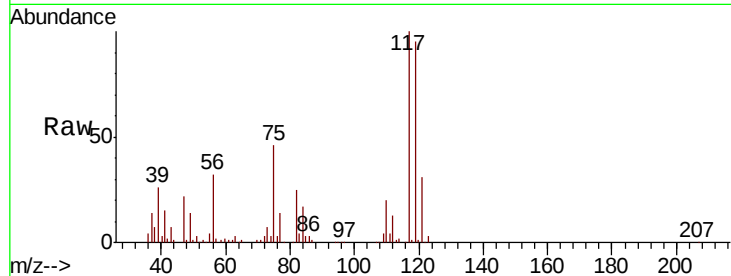




#33
Carbon Tetrachloride
Concen: 20.538 ug/l
RT: 7.78 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

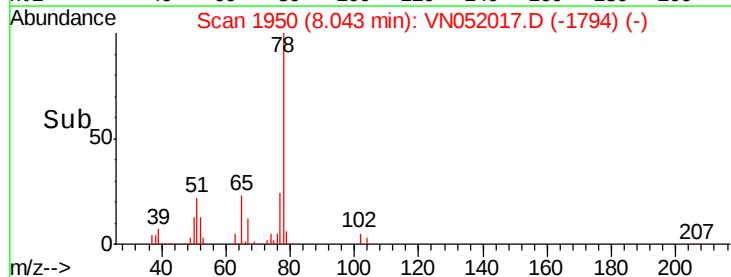
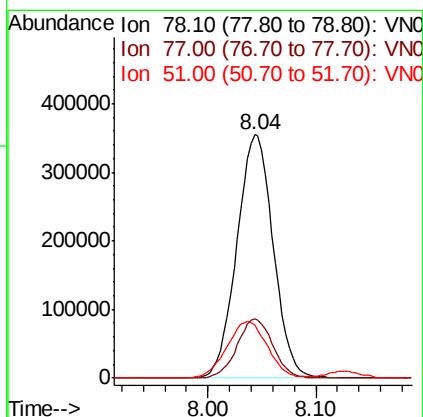
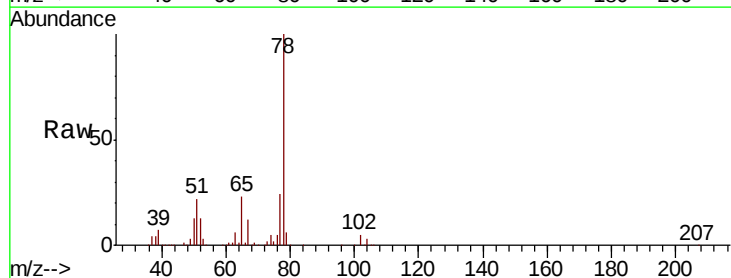
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

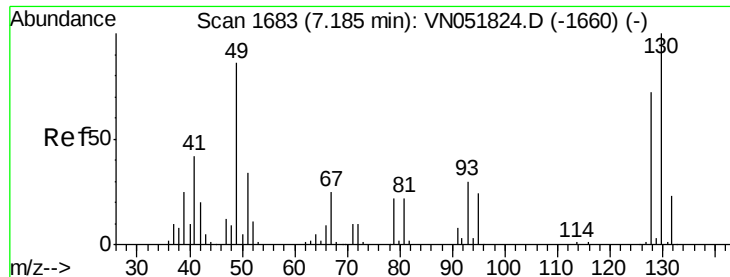
Tot Ion	Ion	Ratio	Lower	Upper
117	117	100		
119	119	95.1	85.1	127.7
121	121	30.7	24.2	36.2



#34
Benzene
Concen: 21.545 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion	Ion	Ratio	Lower	Upper
78	78	100		
77	77	24.5	18.8	28.2
51	51	21.4	46.2	69.4#

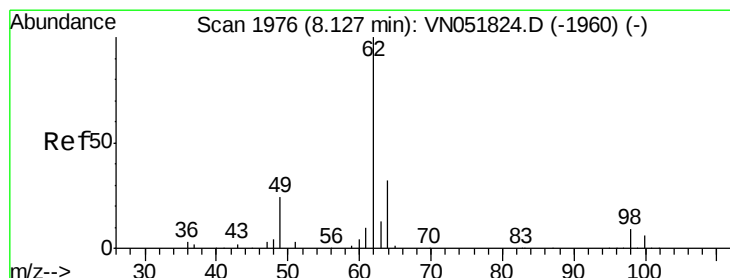
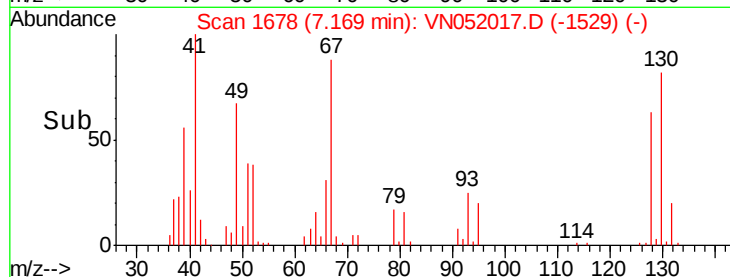
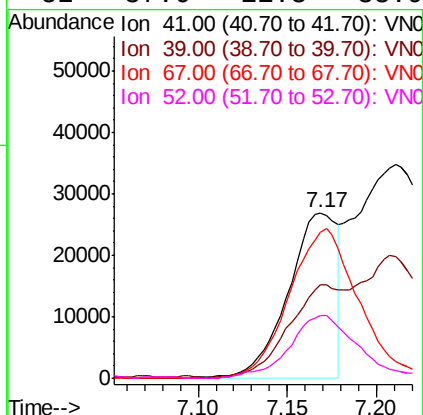
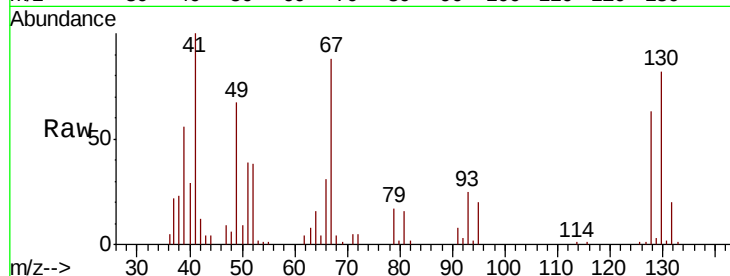




#35
Methacrylonitrile
Concen: 14.298 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.02 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

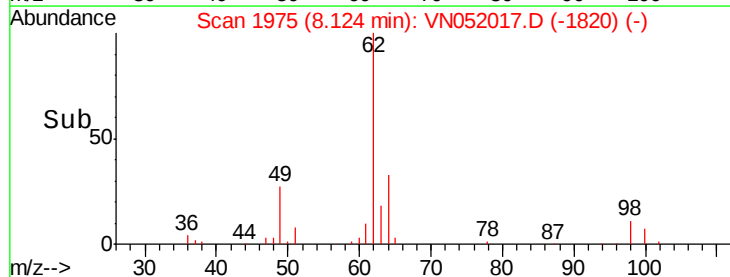
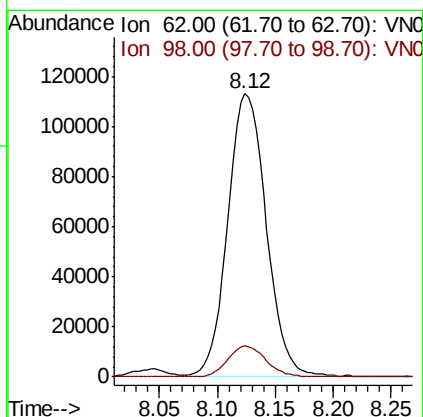
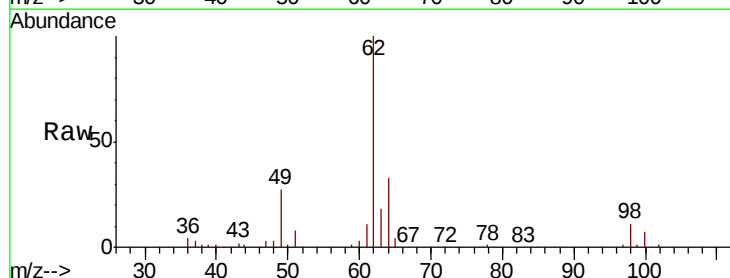
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

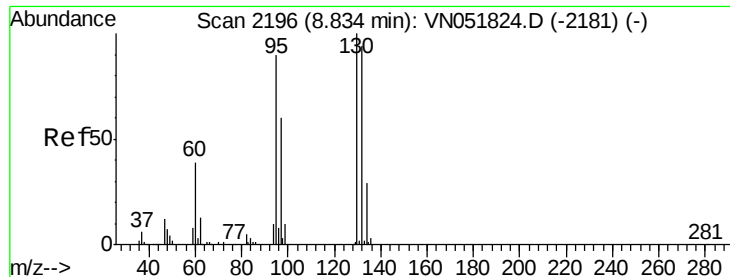
Tot Ion: 41 Resp: 51308
Ion Ratio Lower Upper
41 100
39 55.0 22.6 67.7
67 87.9 28.9 86.8#
52 37.6 11.3 33.9#



#36
1,2-Dichloroethane
Concen: 21.003 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 62 Resp: 260141
Ion Ratio Lower Upper
62 100
98 10.9 6.9 10.3#





#37

Trichloroethene

Concen: 22.493 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

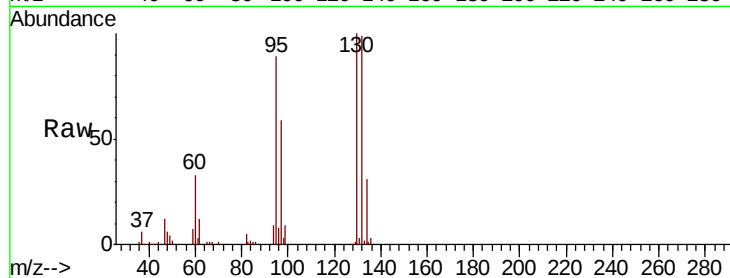
VSTDCCC020EC

Tot Ion:130 Resp: 269907

Ion Ratio Lower Upper

130 100

95 89.4 76.4 114.6



Abundance Ion 129.90 (129.60 to 130.60): V

150000 Ion 94.90 (94.60 to 95.60): VN

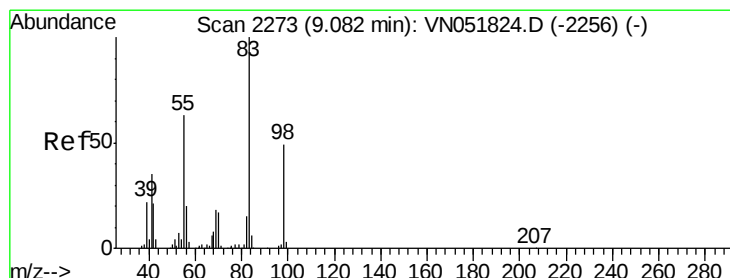
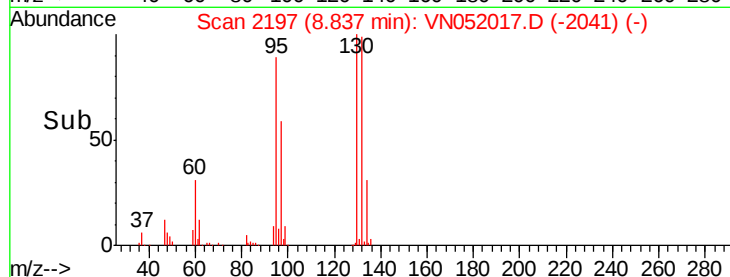
8.84

100000

50000

0

Time--> 8.75 8.80 8.85 8.90



#38

Methylcyclohexane

Concen: 19.194 ug/l

RT: 9.08 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

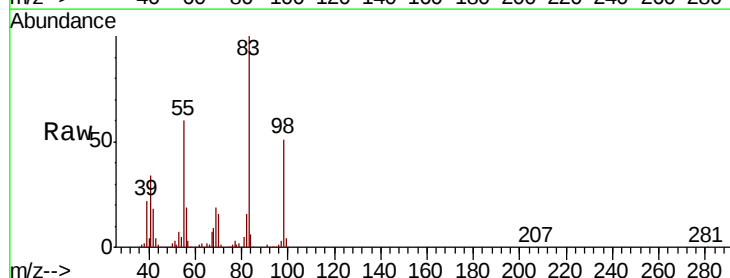
Tgt Ion: 83 Resp: 321706

Ion Ratio Lower Upper

83 100

55 60.7 43.0 129.2

98 50.3 21.3 63.7



Abundance Ion 83.00 (82.70 to 83.70): VN

200000 Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

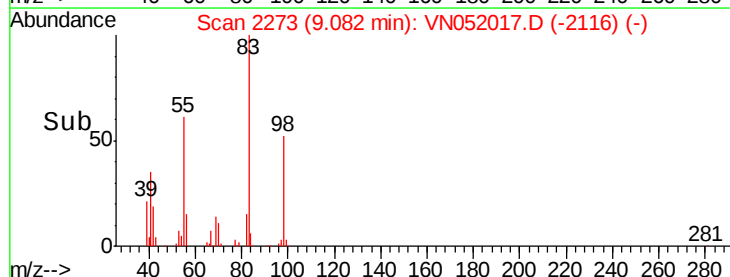
150000

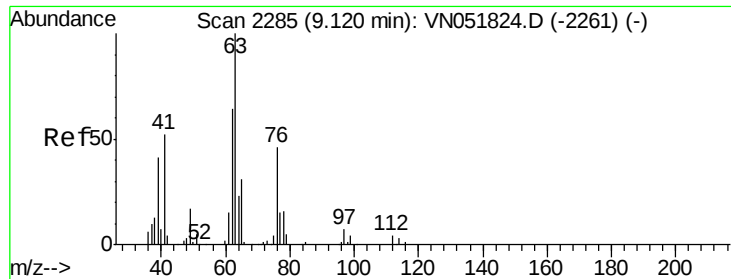
100000

50000

0

Time--> 9.00 9.05 9.10 9.15

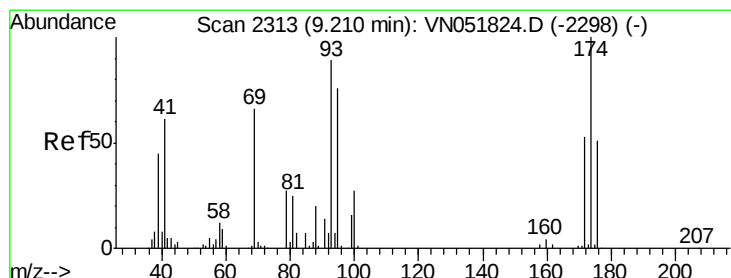
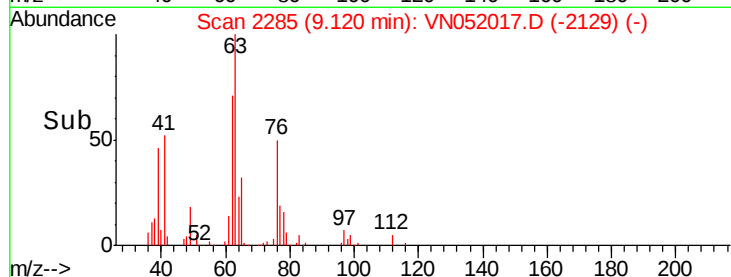
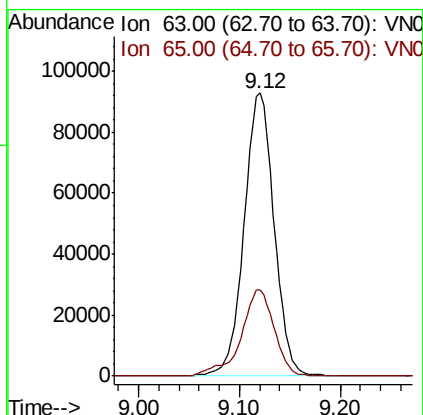
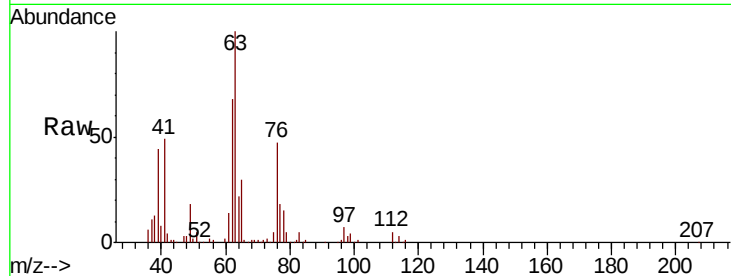




#39
 1,2-Dichloropropane
 Concen: 20.937 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

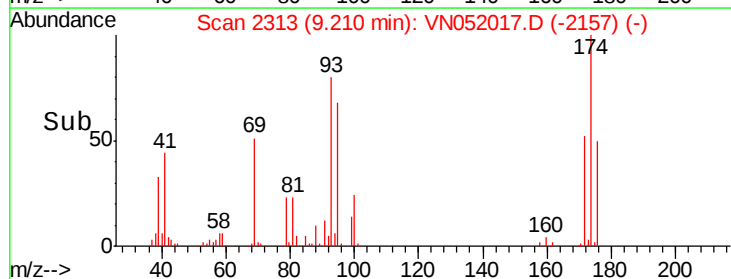
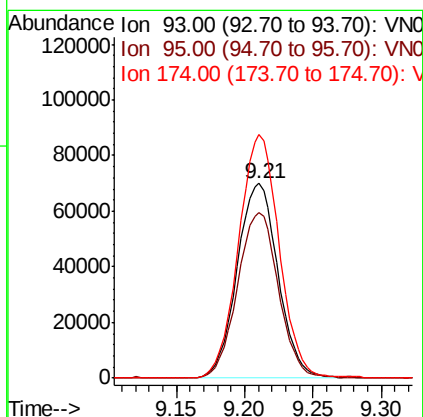
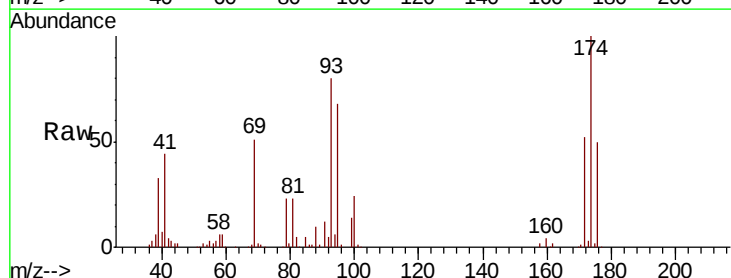
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

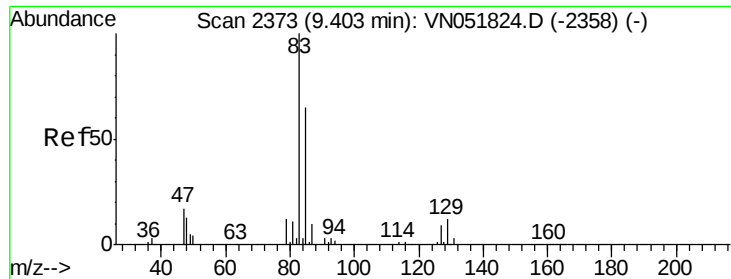
Tot Ion: 63 Resp: 190593
 Ion Ratio Lower Upper
 63 100
 65 30.4 23.2 34.8



#40
 Dibromomethane
 Concen: 21.613 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion: 93 Resp: 146026
 Ion Ratio Lower Upper
 93 100
 95 85.2 0.0 162.0
 174 123.3 0.0 214.0

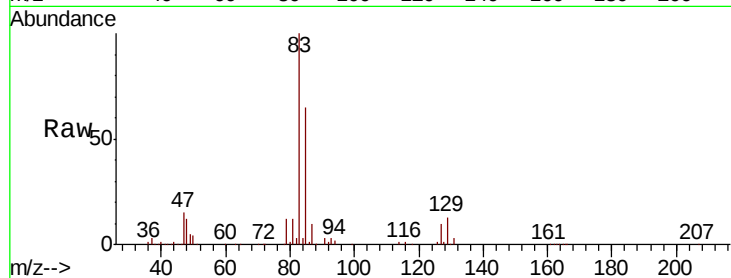




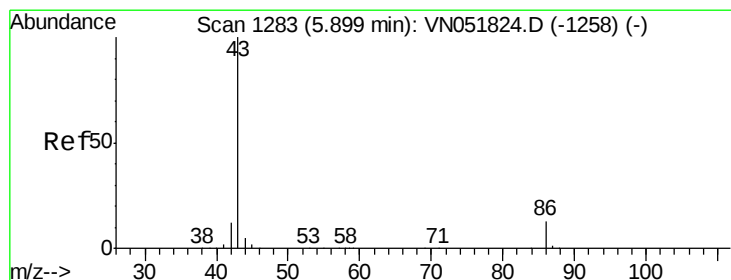
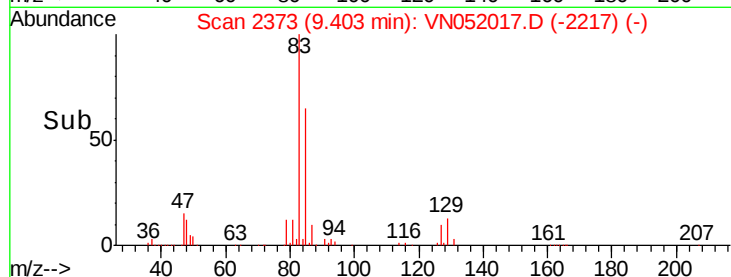
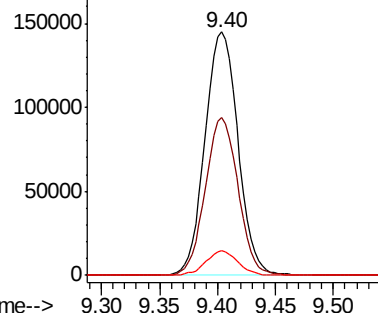
#41
Bromodichloromethane
Concen: 20.540 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

Tot Ion: 83 Resp: 286643
Ion Ratio Lower Upper
83 100
85 64.8 55.7 83.5
127 10.0 8.2 12.4

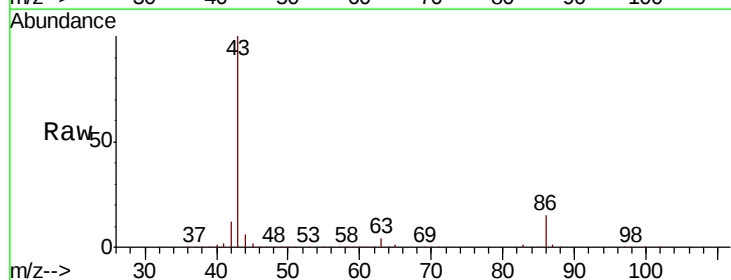


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 85.00 (84.70 to 85.70): VN0
Ion 127.00 (126.70 to 127.70): VN0

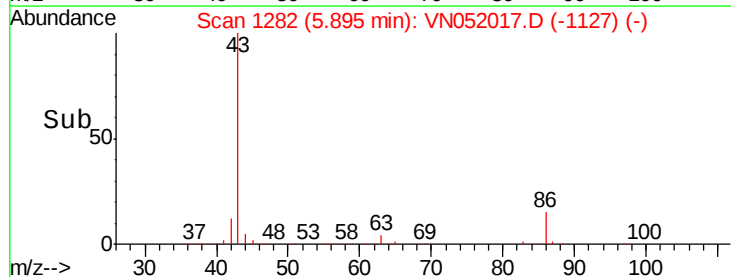
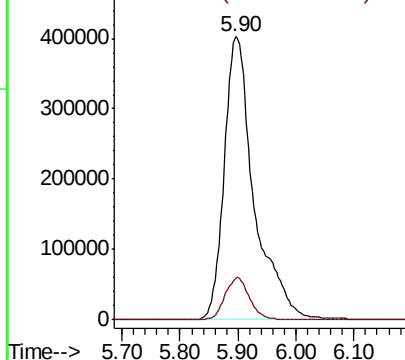


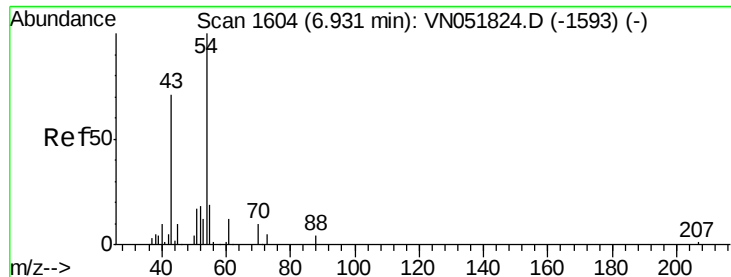
#42
Vinyl Acetate
Concen: 94.243 ug/l
RT: 5.90 min Scan# 1282
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 43 Resp: 1449067
Ion Ratio Lower Upper
43 100
86 12.3 6.5 9.7#



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 86.00 (85.70 to 86.70): VN0





#43

Ethyl Acetate

Concen: 19.250 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. -0.01 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

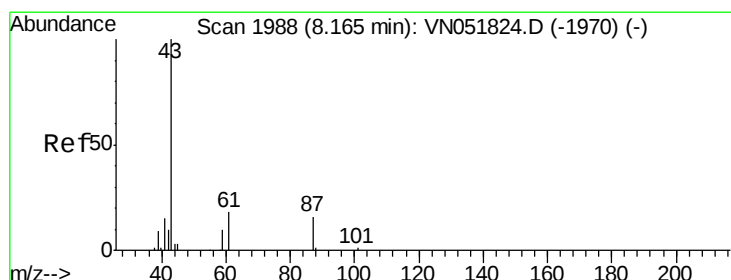
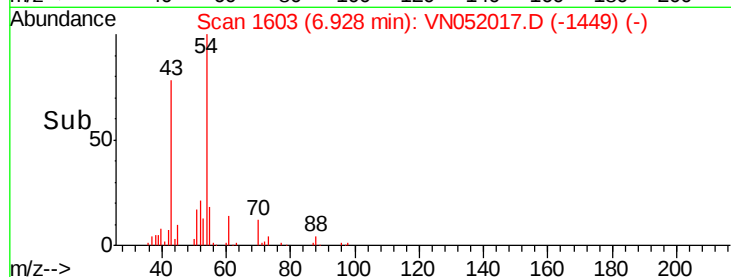
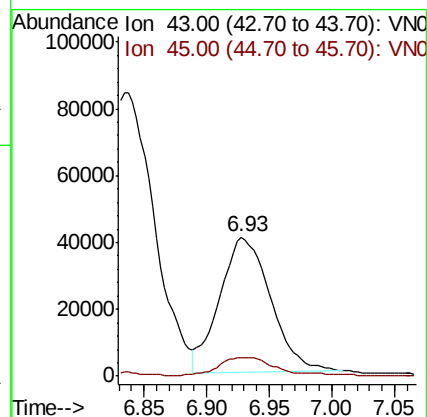
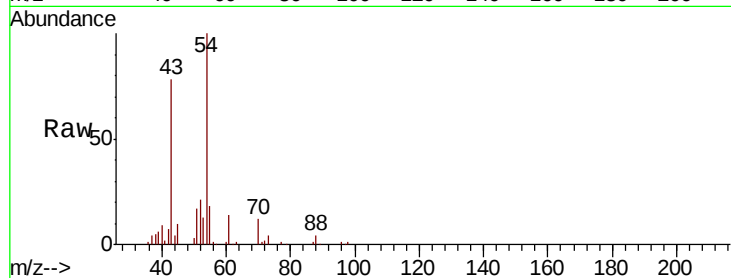
VSTDCCC020EC

Tot Ion: 43 Resp: 114166

Ion Ratio Lower Upper

43 100

45 13.2 11.0 16.6



#44

Isopropyl Acetate

Concen: 18.309 ug/l

RT: 8.16 min Scan# 1987

Delta R.T. -0.00 min

Lab File: VN052017.D

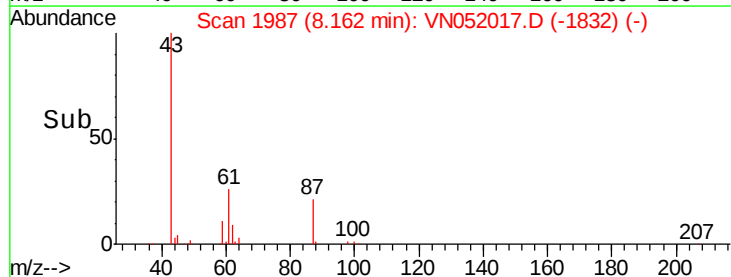
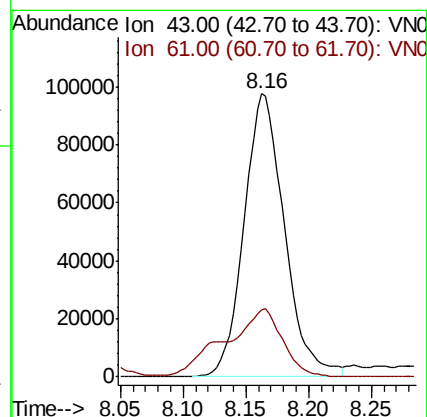
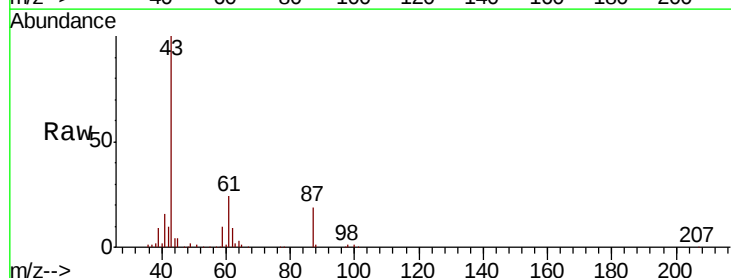
Acq: 25 Oct 2018 18:17

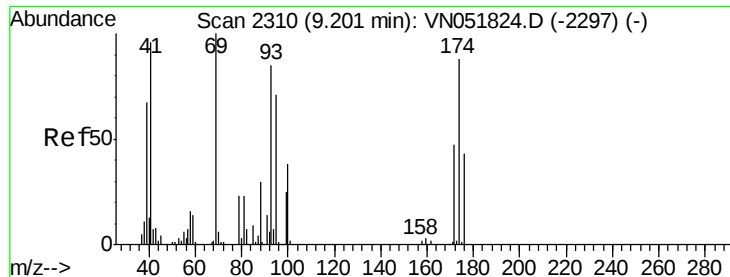
Tgt Ion: 43 Resp: 216898

Ion Ratio Lower Upper

43 100

61 22.3 15.9 23.9

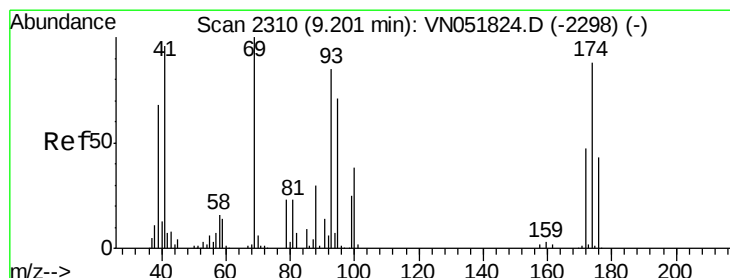
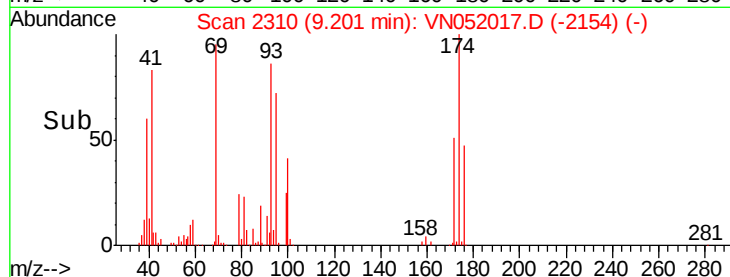
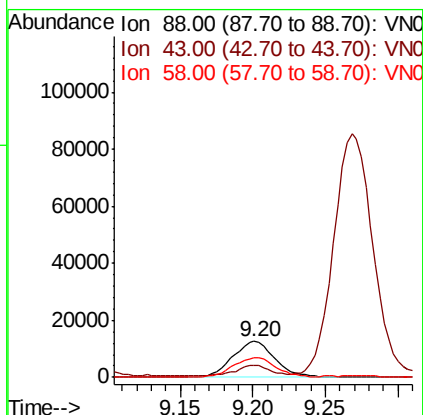
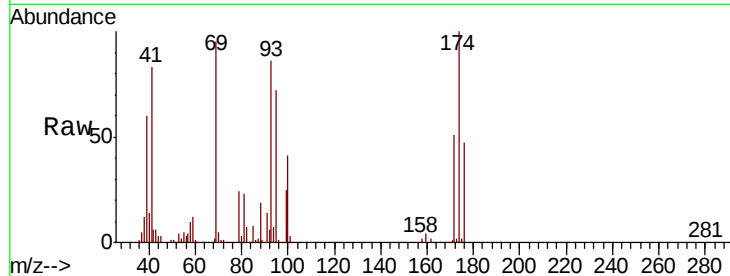




#45
1,4-Dioxane
Concen: 270.355 ug/l
RT: 9.20 min Scan# 2310
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

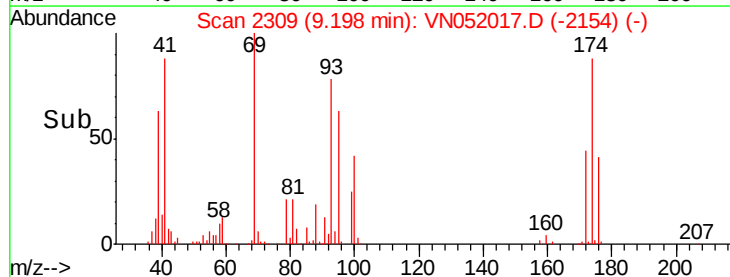
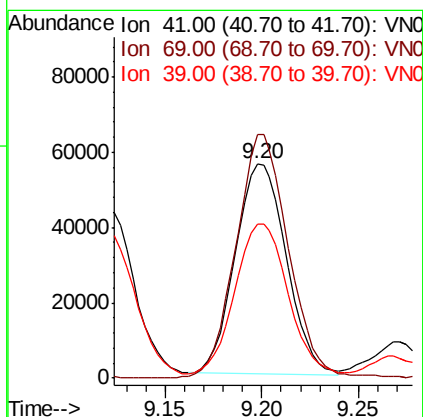
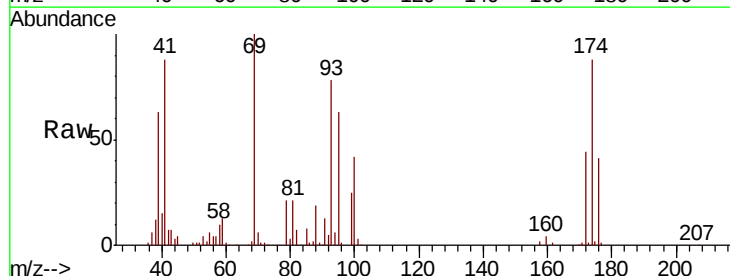
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

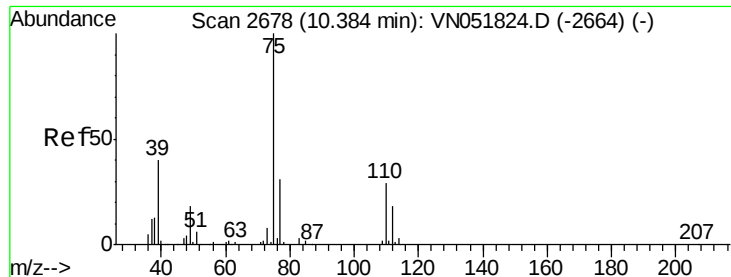
Tot Ion: 88 Resp: 25716
Ion Ratio Lower Upper
88 100
43 24.7 26.2 39.2#
58 54.9 65.6 98.4#



#46
Methyl methacrylate
Concen: 18.738 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 41 Resp: 102387
Ion Ratio Lower Upper
41 100
69 115.2 40.7 122.1
39 71.2 27.3 81.9





#48

t-1,3-Dichloropropene

Concen: 18.527 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

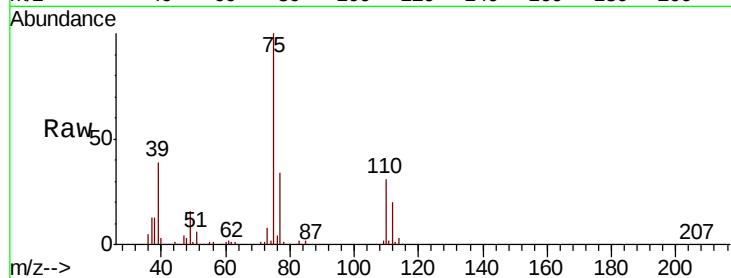
VSTDCCC020EC

Tot Ion: 75 Resp: 252127

Ion Ratio Lower Upper

75 100

77 33.6 24.6 37.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

10.38

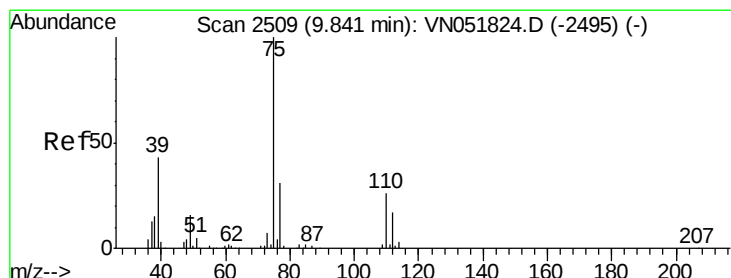
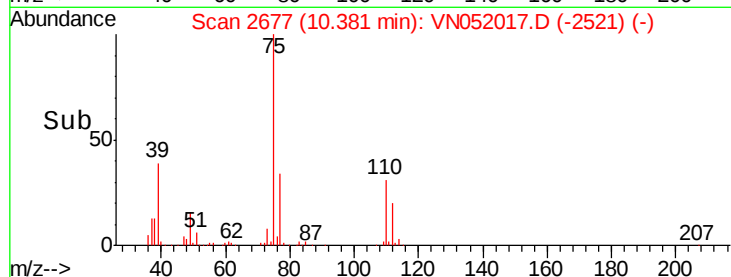
150000

100000

50000

0

Time-->



#49

cis-1,3-Dichloropropene

Concen: 19.903 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

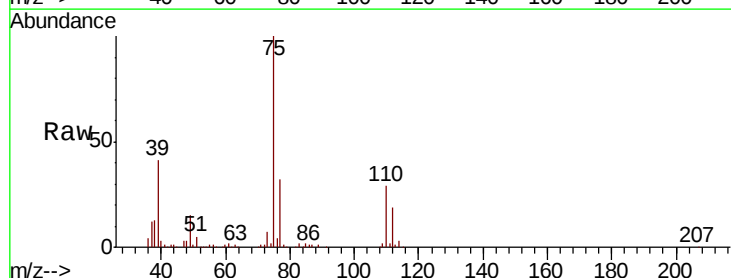
Tgt Ion: 75 Resp: 298582

Ion Ratio Lower Upper

75 100

77 32.2 23.2 34.8

39 41.5 34.6 52.0



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.84

200000

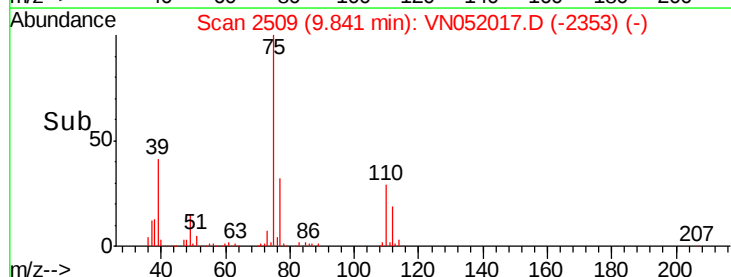
150000

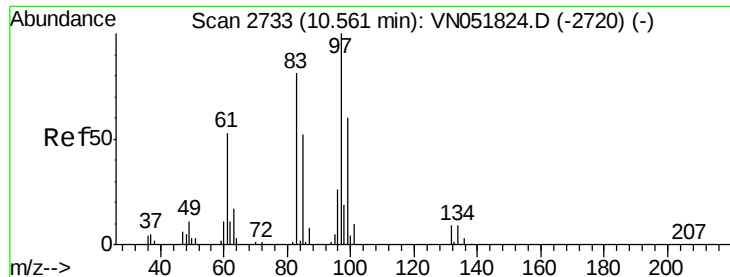
100000

50000

0

Time-->

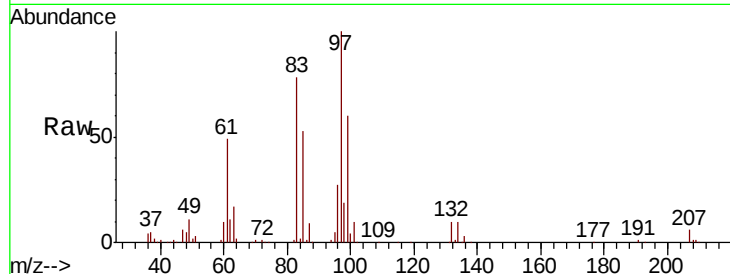




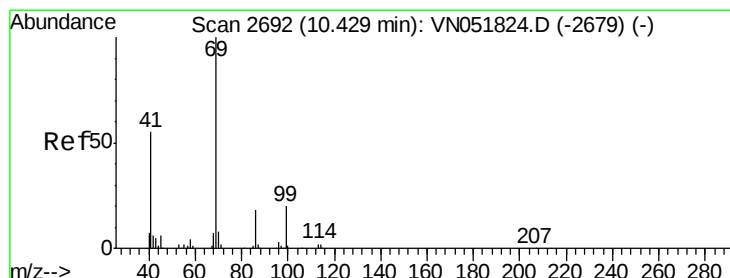
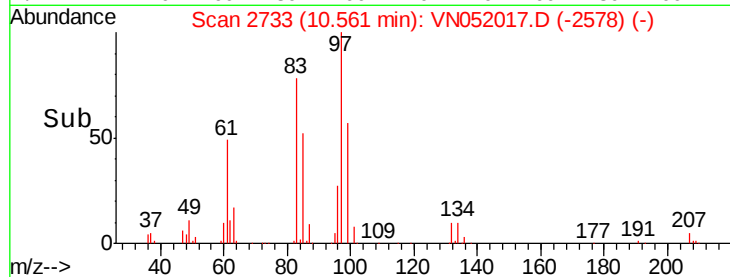
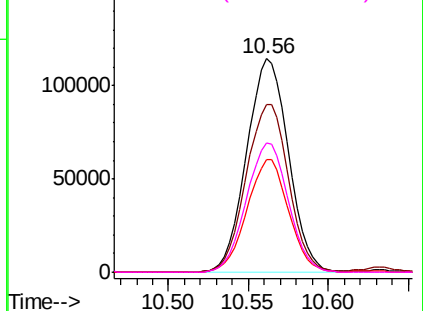
#50
 1,1,2-Trichloroethane
 Concen: 21.899 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion:	97	Resp:	204430
Ion	Ratio	Lower	Upper
97	100		
83	78.3	68.2	102.4
85	52.6	42.5	63.7
99	60.5	44.3	66.5

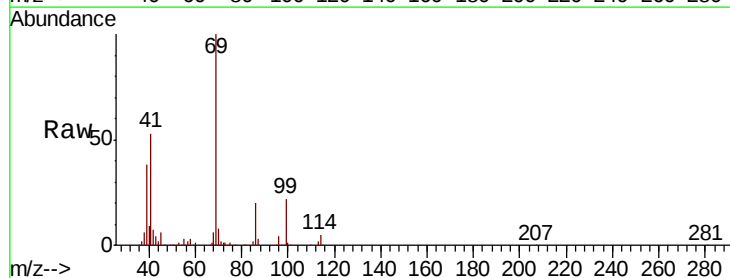


Abundance Ion 97.00 (96.70 to 97.70): VN0
 Ion 82.95 (82.65 to 83.65): VN0
 Ion 84.95 (84.65 to 85.65): VN0
 Ion 98.95 (98.65 to 99.65): VN0

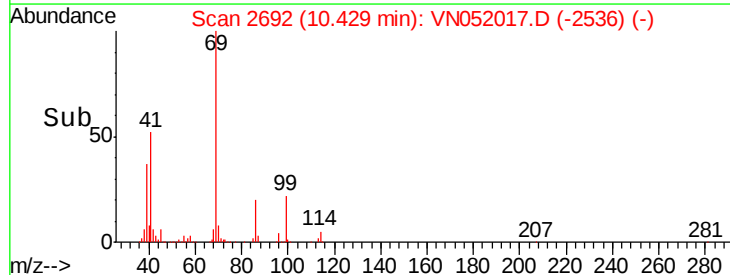
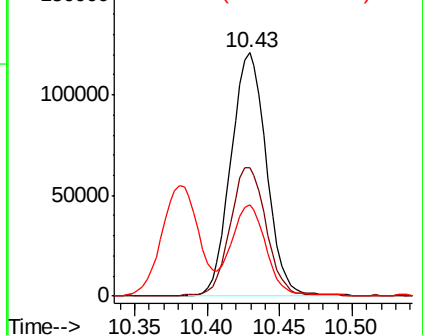


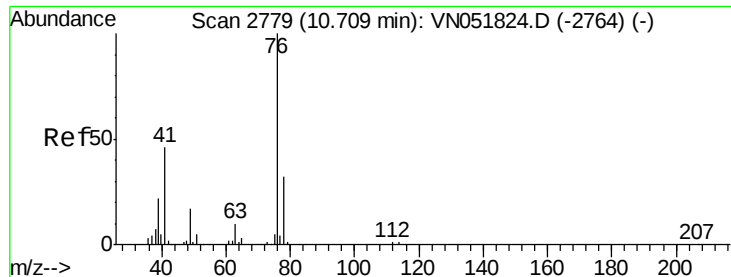
#51
 Ethyl methacrylate
 Concen: 19.291 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion:	69	Resp:	206175
Ion	Ratio	Lower	Upper
69	100		
41	52.2	34.4	103.1
39	37.1	16.3	48.8



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





#52

1,3-Dichloropropane

Concen: 21.426 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

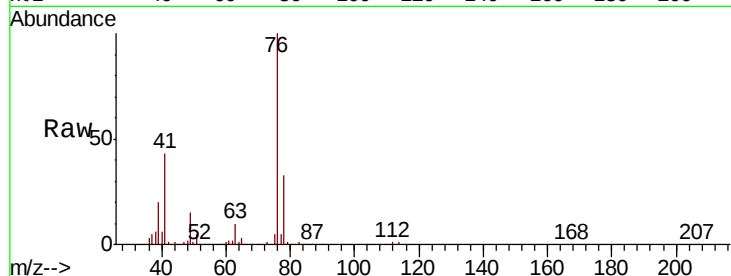
VSTDCCC020EC

Tot Ion: 76 Resp: 308691

Ion Ratio Lower Upper

76 100

78 33.2 0.0 67.6



Abundance Ion 76.00 (75.70 to 76.70): VN051824.D (-2764) (-)

Ion 78.00 (77.70 to 78.70): VN051824.D (-2764) (-)

200000

150000

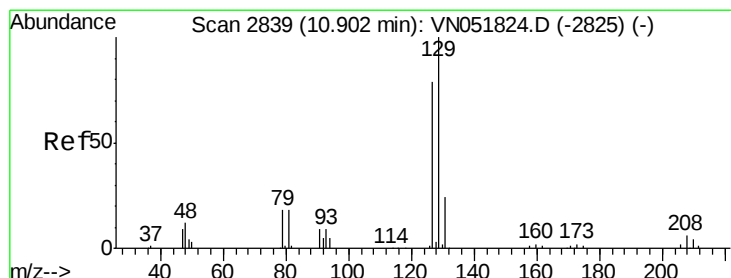
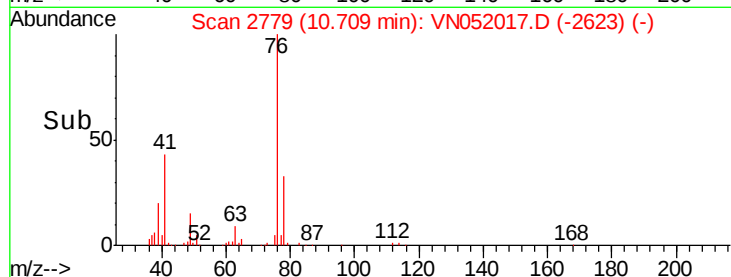
100000

50000

0

10.65 10.70 10.75

Time-->



#53

Dibromochloromethane

Concen: 20.009 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. 0.00 min

Lab File: VN052017.D

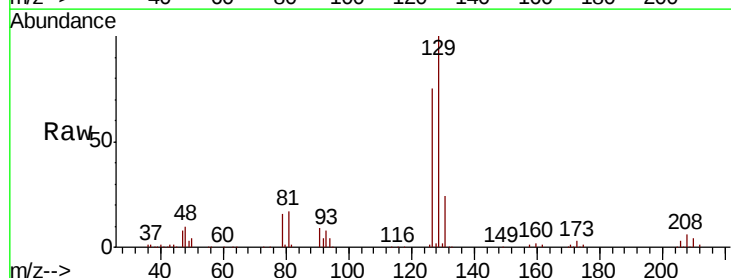
Acq: 25 Oct 2018 18:17

Tgt Ion: 129 Resp: 231073

Ion Ratio Lower Upper

129 100

127 75.0 40.2 120.5



Abundance Ion 129.00 (128.70 to 129.70): VN051824.D (-2825) (-)

Ion 127.00 (126.70 to 127.70): VN051824.D (-2825) (-)

150000

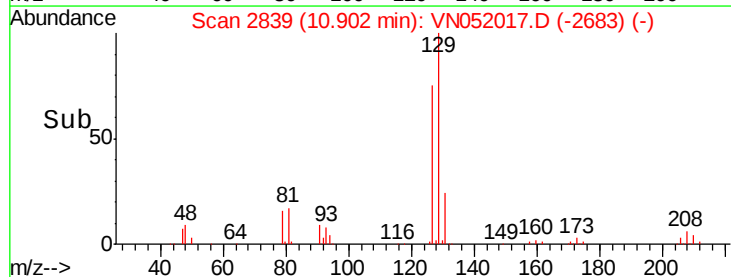
100000

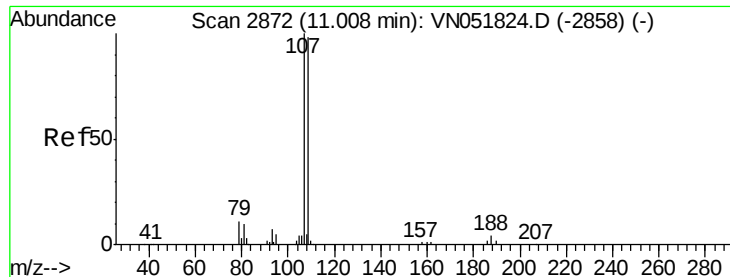
50000

0

10.85 10.90 10.95

Time-->

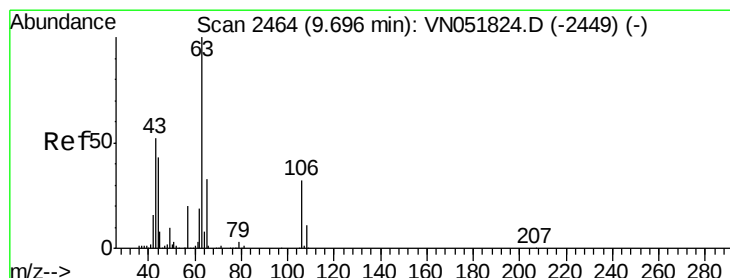
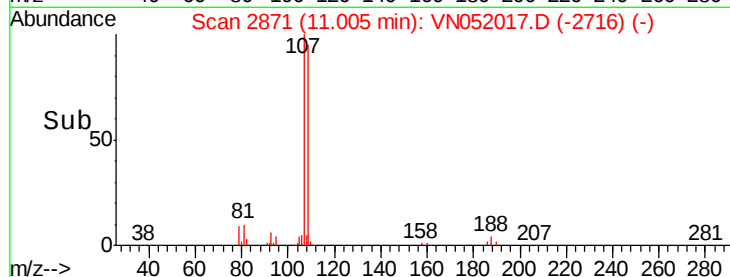
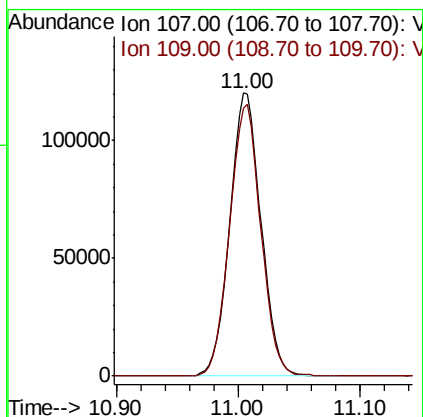
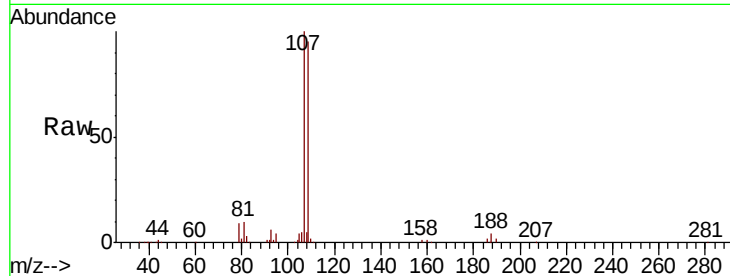




#54
 1,2-Dibromoethane
 Concen: 21.782 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

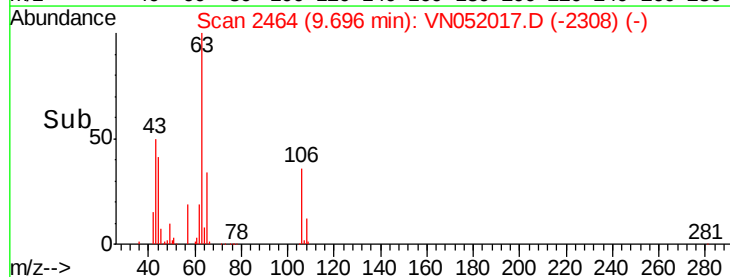
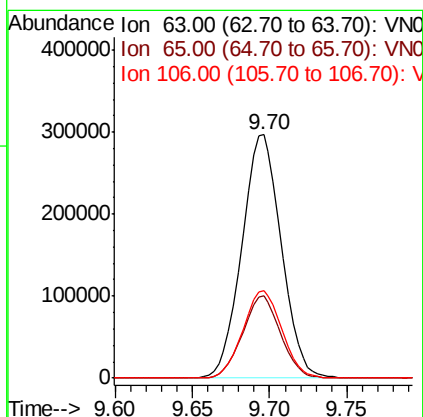
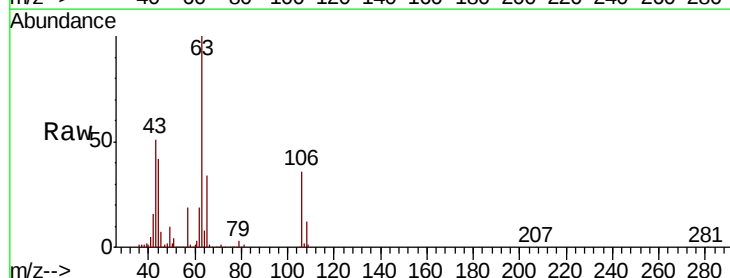
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

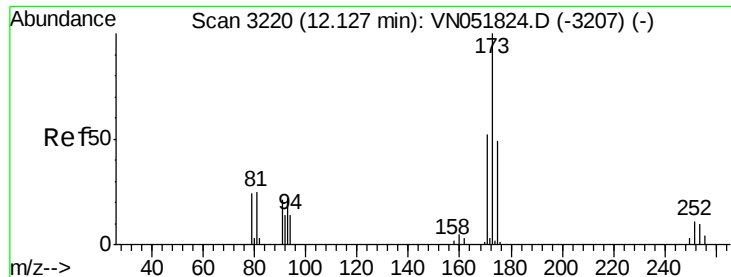
Tot Ion:107 Resp: 213430
 Ion Ratio Lower Upper
 107 100
 109 96.2 77.4 116.0



#55
 2-Chloroethyl vinyl ether
 Concen: 115.446 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion: 63 Resp: 527452
 Ion Ratio Lower Upper
 63 100
 65 32.5 25.4 38.0
 106 35.5 21.2 31.8#





#56

Bromoform

Concen: 18.338 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

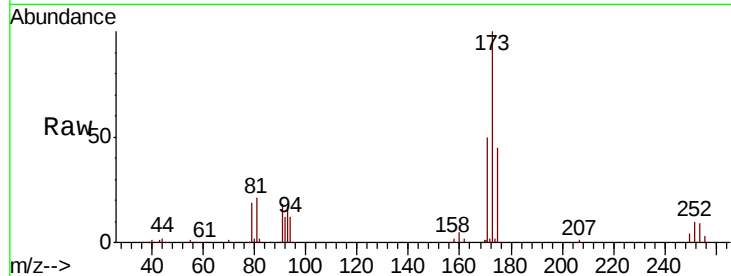
Tot Ion:173 Resp: 139665

Ion Ratio Lower Upper

173 100

175 47.3 35.8 53.8

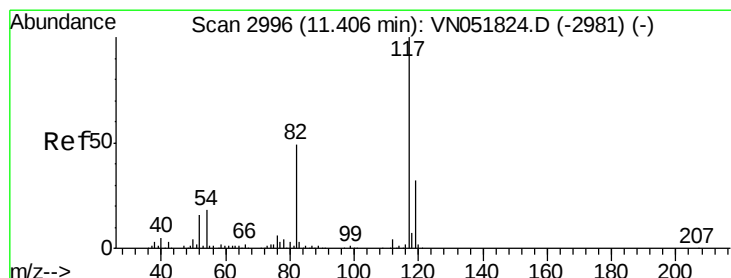
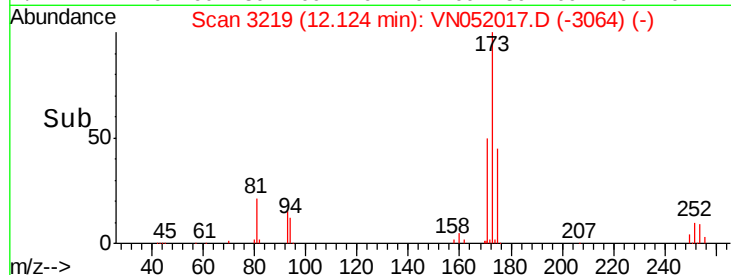
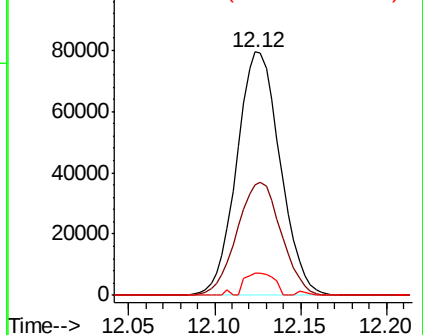
254 6.1 8.6 13.0#



Abundance Ion 173.00 (172.70 to 173.70): V

Ion 175.00 (174.70 to 175.70): V

Ion 254.00 (253.70 to 254.70): V



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

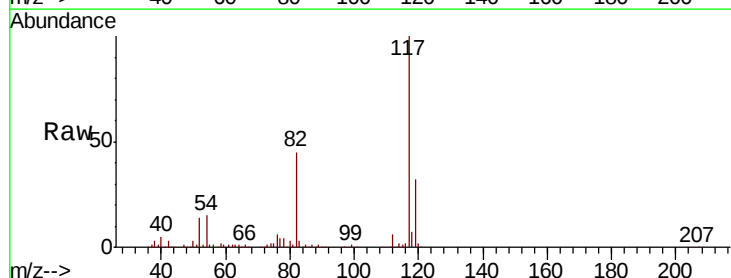
Tgt Ion:117 Resp: 923250

Ion Ratio Lower Upper

117 100

82 45.5 44.1 66.1

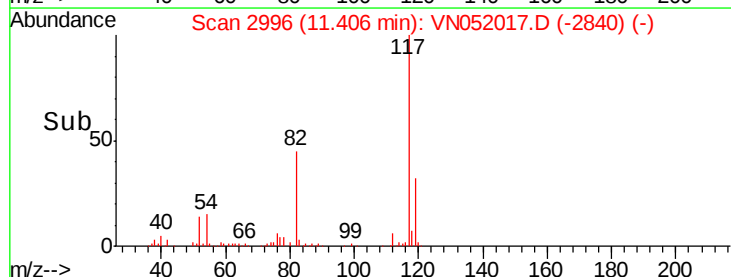
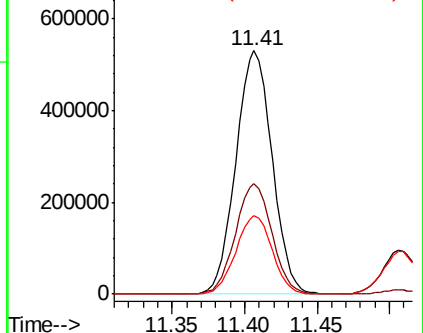
119 32.2 25.8 38.8

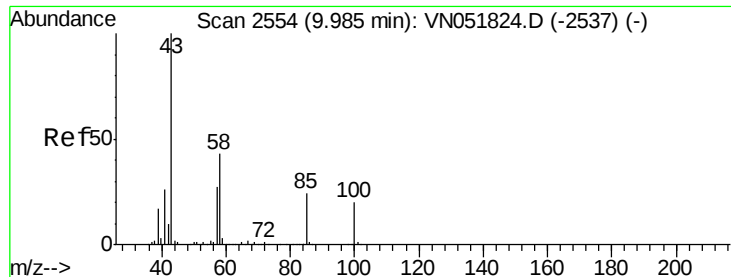


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 82.00 (81.70 to 82.70): V

Ion 119.00 (118.70 to 119.70): V

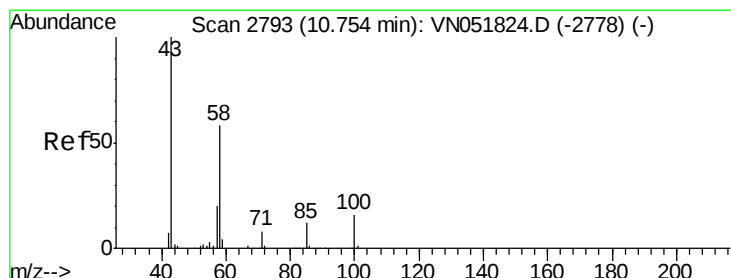
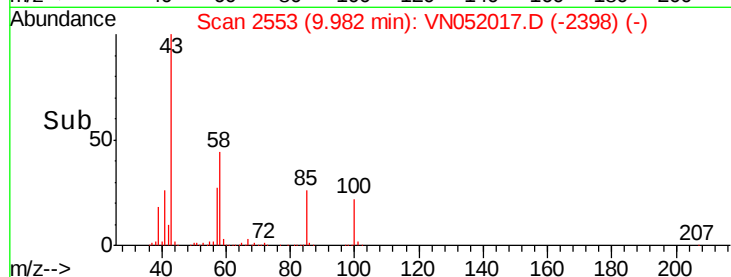
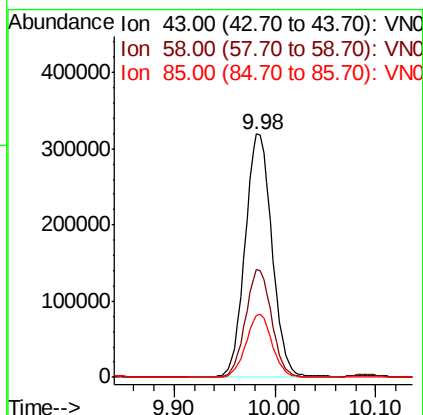
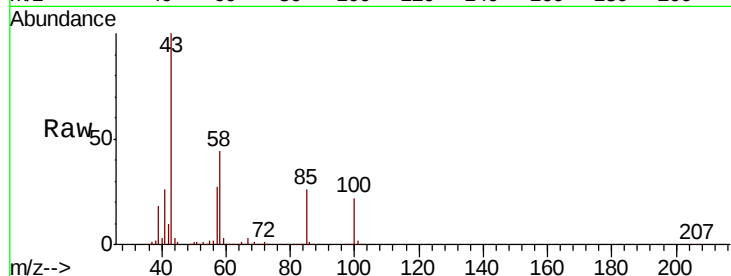




#58
4-Methyl-2-Pentanone
Concen: 94.535 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

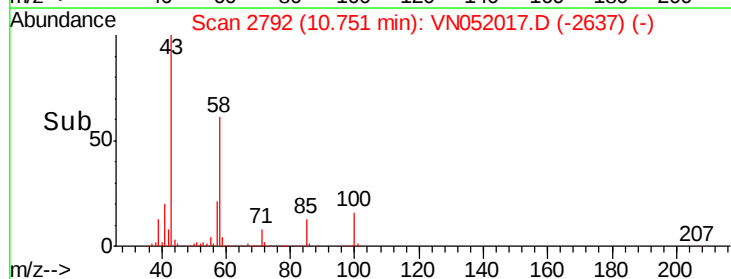
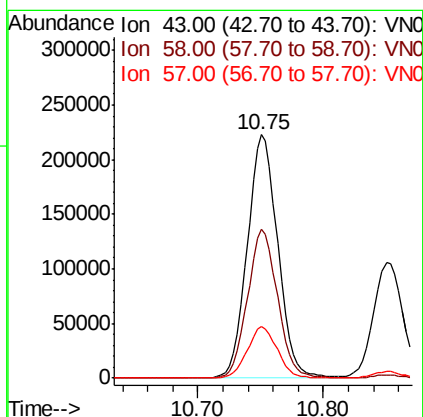
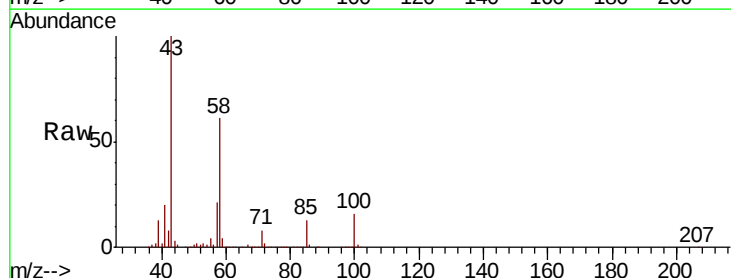
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

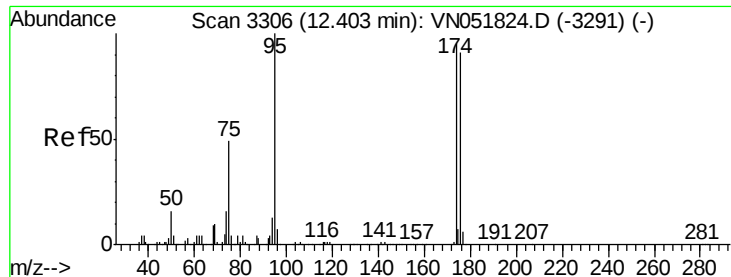
Tot Ion: 43 Resp: 584068
Ion Ratio Lower Upper
43 100
58 43.0 29.3 43.9
85 25.3 12.6 18.8#



#59
2-Hexanone
Concen: 90.595 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 43 Resp: 377614
Ion Ratio Lower Upper
43 100
58 60.1 41.3 61.9
57 20.9 13.4 20.0#

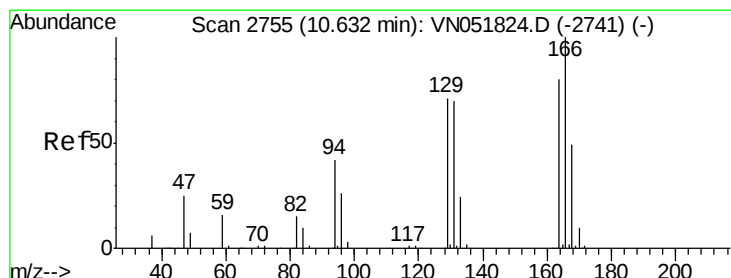
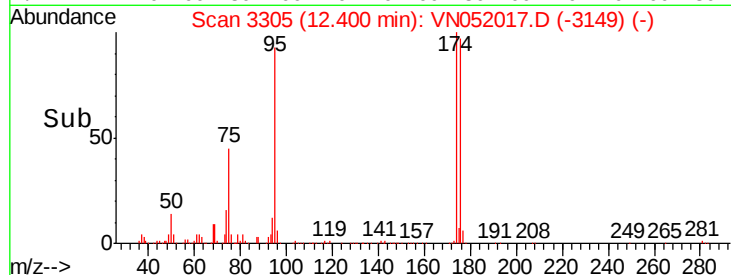
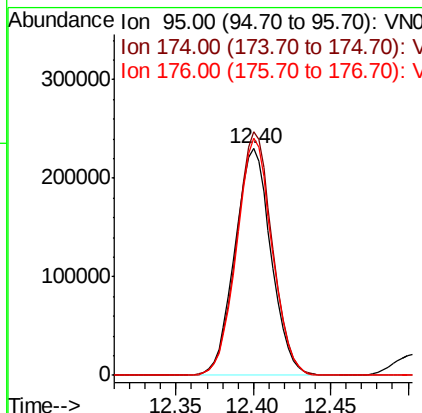
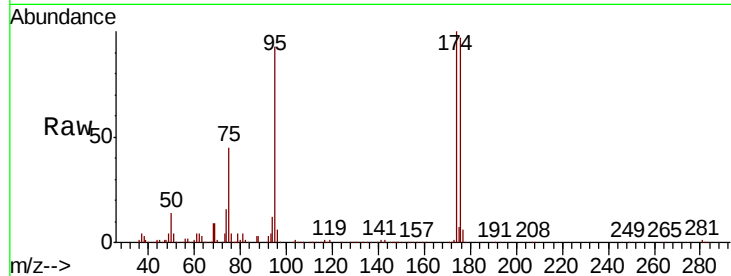




#60
4-Bromofluorobenzene
Concen: 90.595 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

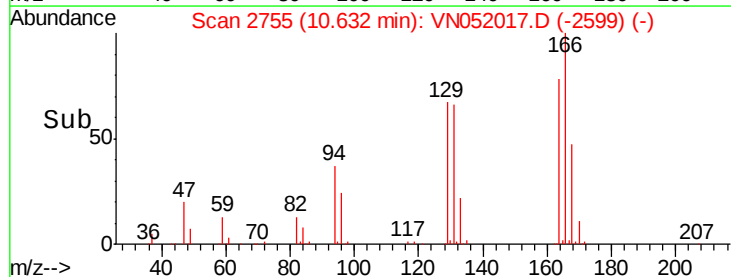
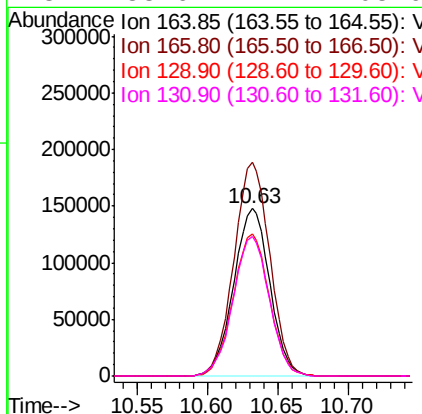
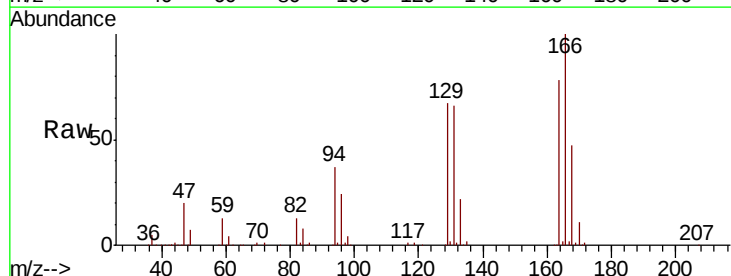
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

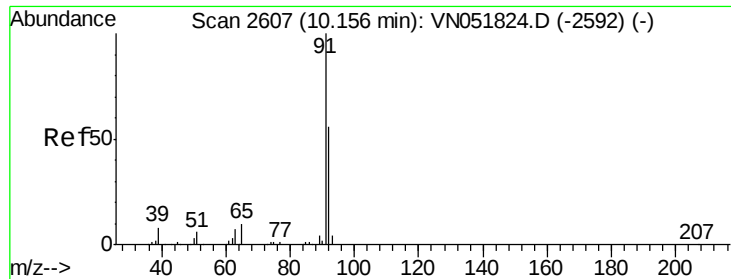
Tot Ion: 95 Resp: 373709
Ion Ratio Lower Upper
95 100
174 106.2 73.5 110.3
176 102.2 70.2 105.2



#61
Tetrachloroethene
Concen: 22.431 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 164 Resp: 264846
Ion Ratio Lower Upper
164 100
166 127.4 98.7 148.1
129 84.9 69.6 104.4
131 83.6 72.4 108.6





#62

Toluene

Concen: 21.926 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

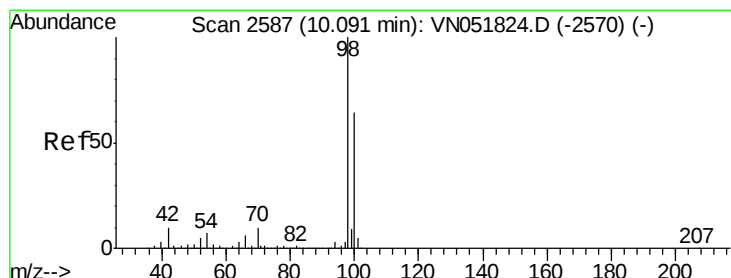
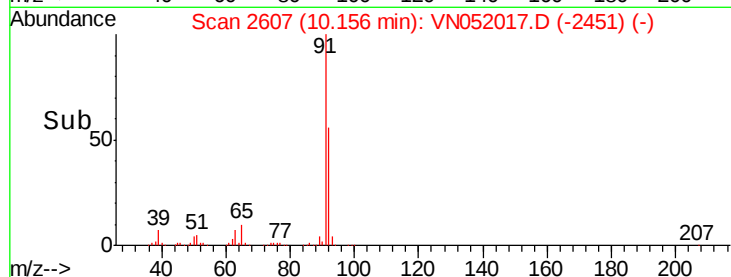
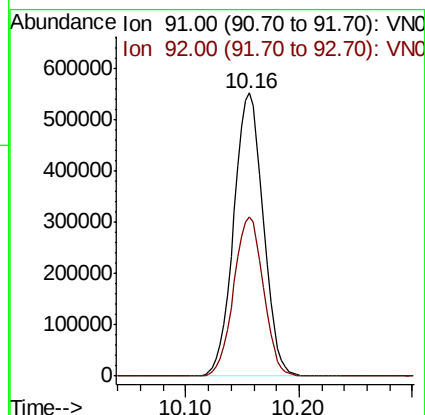
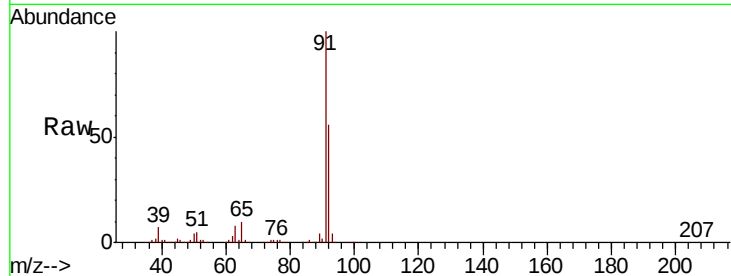
VSTDCCC020EC

Tot Ion: 91 Resp: 1005665

Ion Ratio Lower Upper

91 100

92 56.5 44.6 66.8



#63

Toluene-d8

Concen: 21.926 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN052017.D

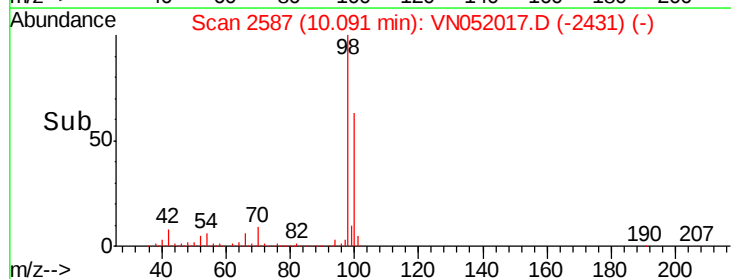
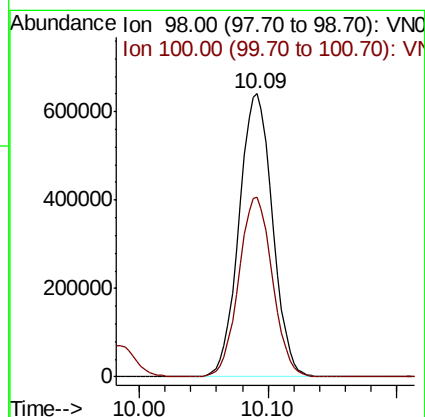
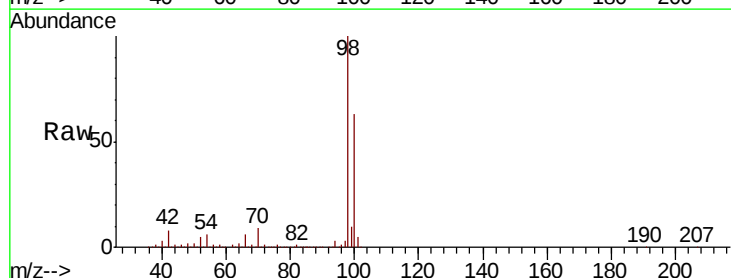
Acq: 25 Oct 2018 18:17

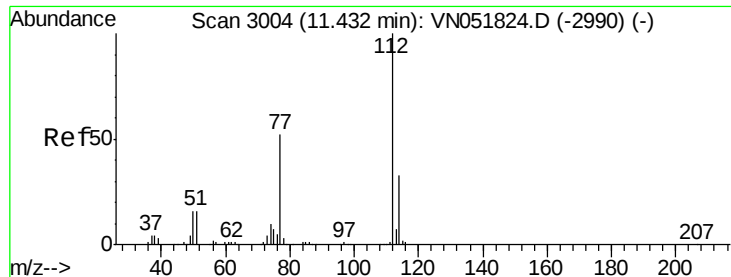
Tgt Ion: 98 Resp: 1157885

Ion Ratio Lower Upper

98 100

100 63.5 50.8 76.2

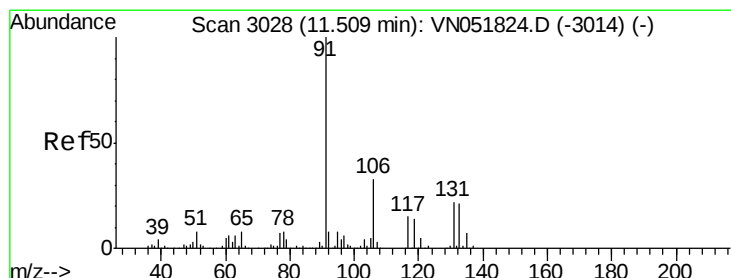
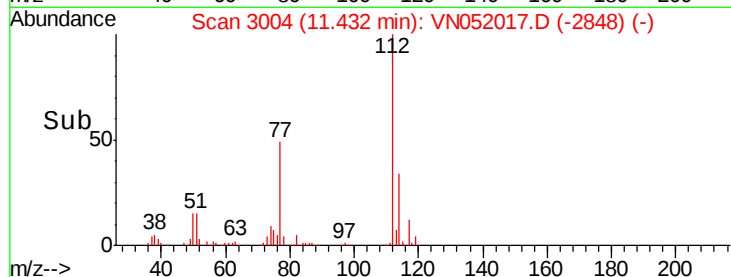
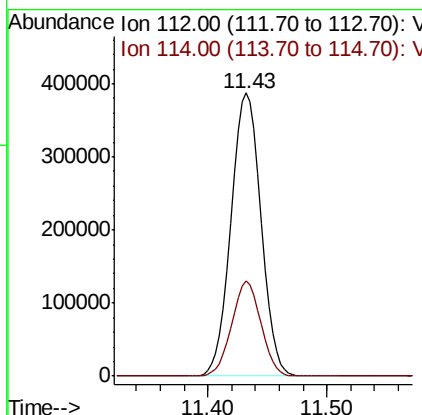
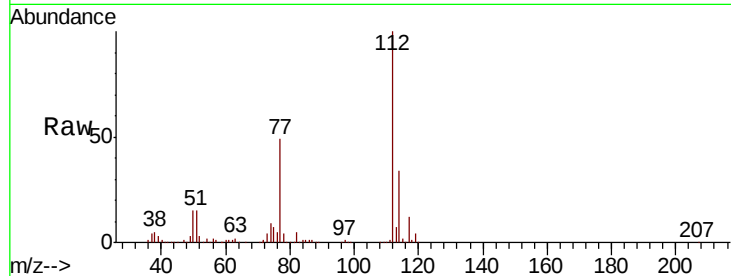




#64
Chlorobenzene
Concen: 22.532 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

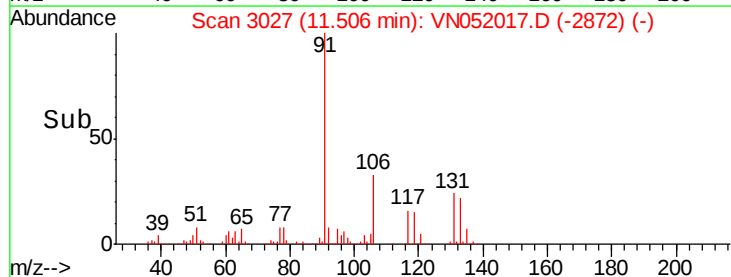
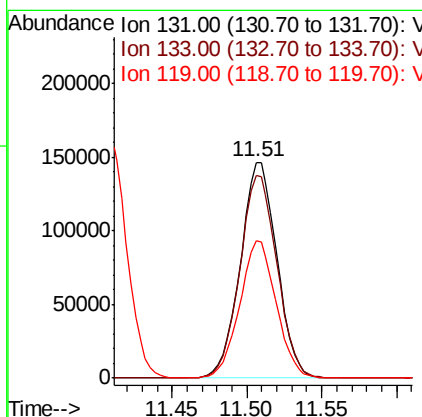
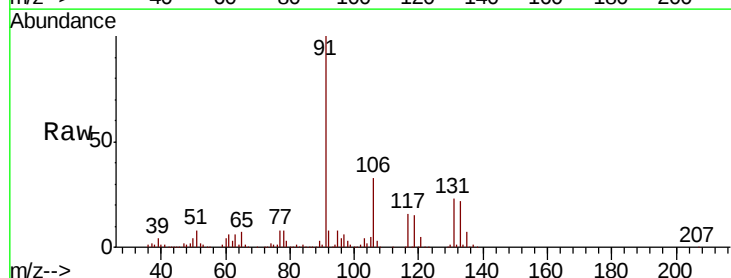
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

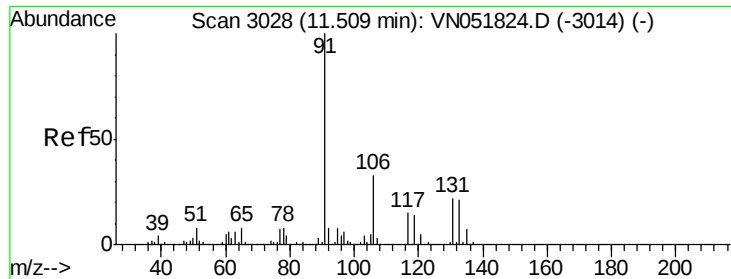
Tot Ion:112 Resp: 676830
Ion Ratio Lower Upper
112 100
114 33.5 27.5 41.3



#65
1,1,1,2-Tetrachloroethane
Concen: 21.653 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion:131 Resp: 249652
Ion Ratio Lower Upper
131 100
133 95.8 0.0 190.4
119 63.6 0.0 128.0

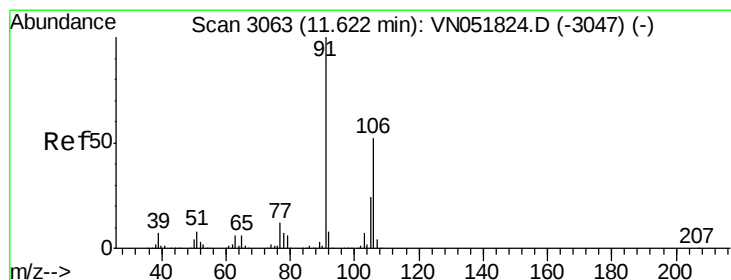
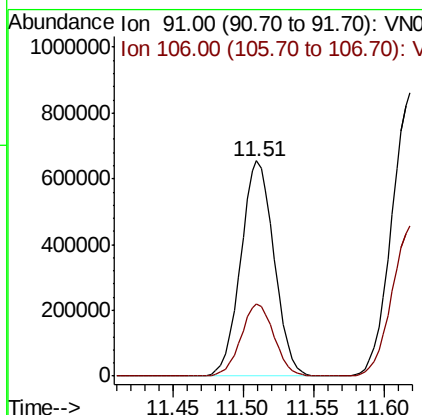
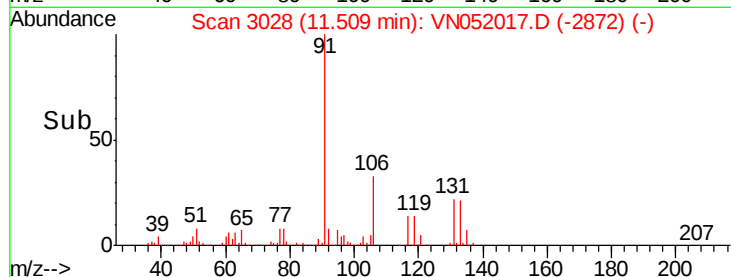
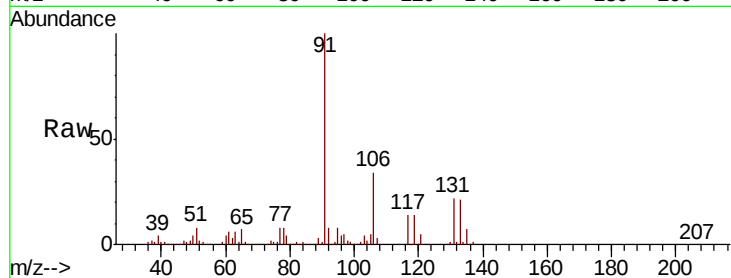




#66
Ethyl Benzene
Concen: 21.369 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

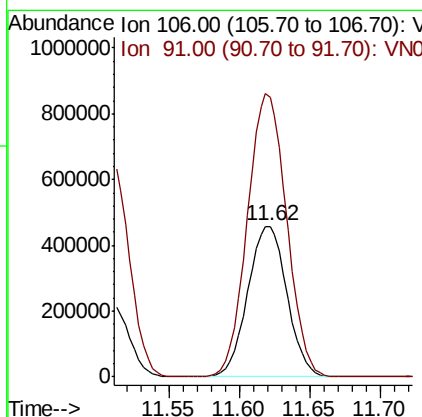
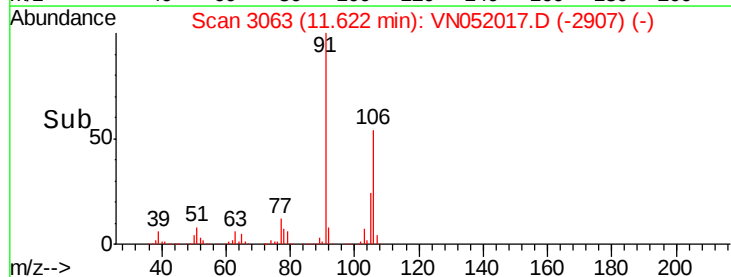
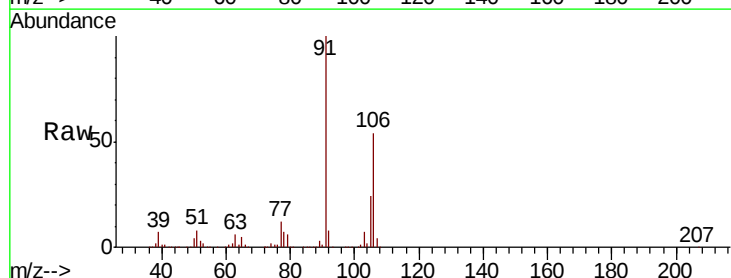
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

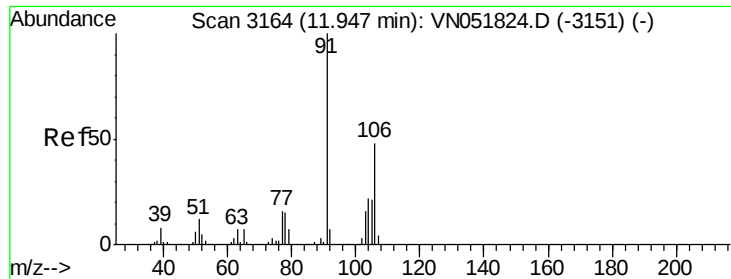
Tot Ion: 91 Resp: 1083201
Ion Ratio Lower Upper
91 100
106 33.5 25.9 38.9



#67
m/p-Xylenes
Concen: 43.307 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion: 106 Resp: 890011
Ion Ratio Lower Upper
106 100
91 188.0 158.8 238.2

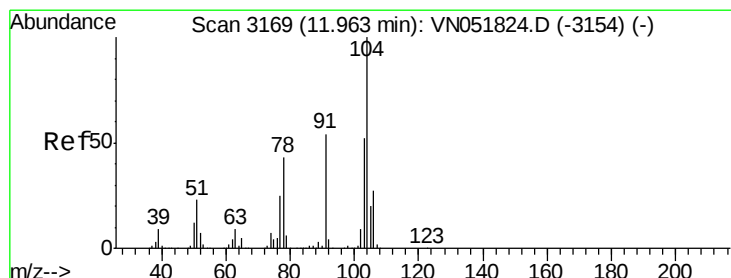
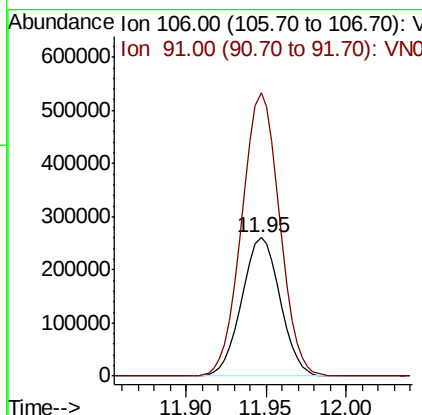
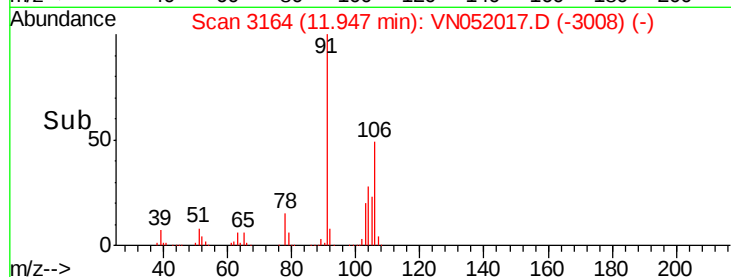
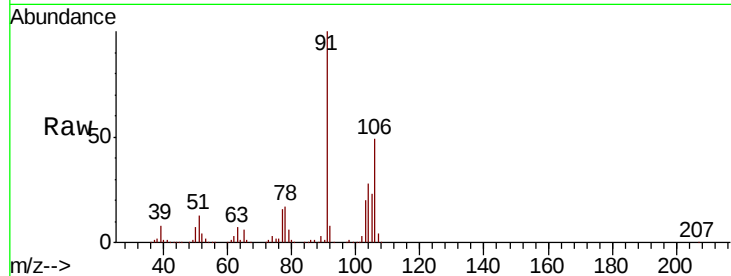




#68
o-Xylene
Concen: 21.024 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

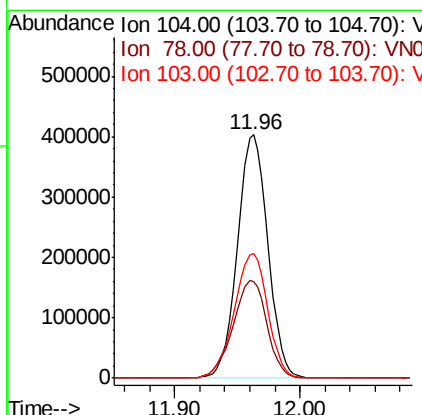
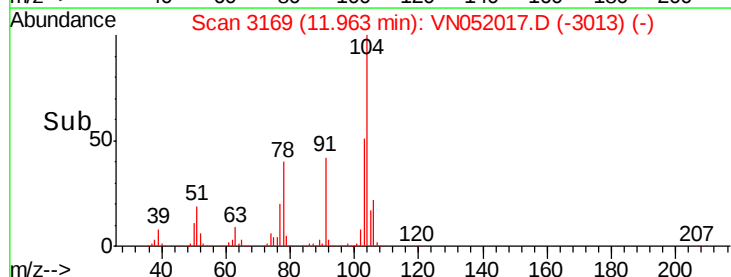
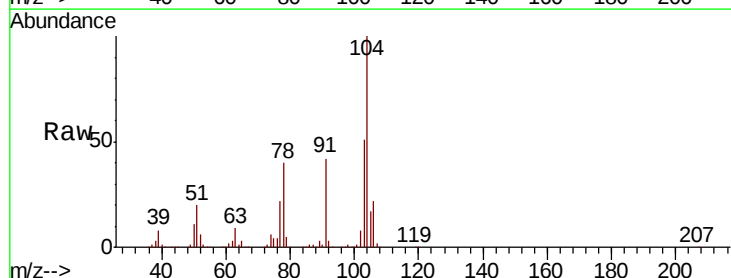
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

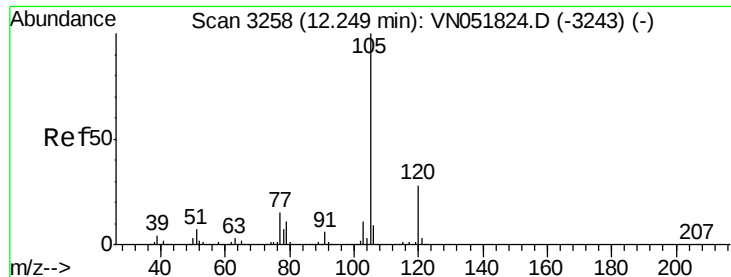
Tot Ion:106 Resp: 425950
Ion Ratio Lower Upper
106 100
91 201.5 111.1 333.3



#69
Styrene
Concen: 21.848 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion:104 Resp: 679134
Ion Ratio Lower Upper
104 100
78 44.6 40.6 60.8
103 56.4 44.0 66.0





#70

Isopropylbenzene

Concen: 21.259 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

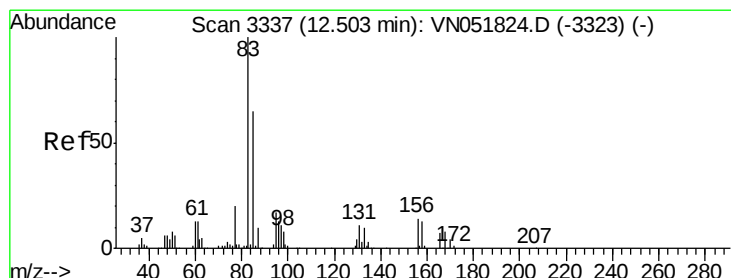
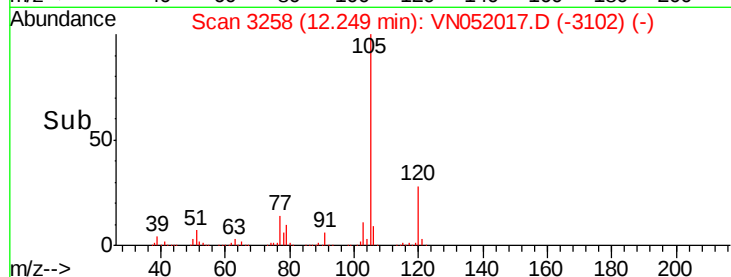
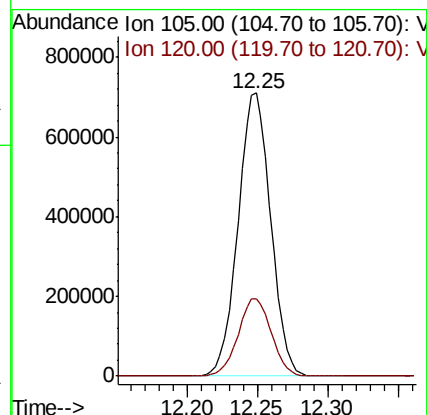
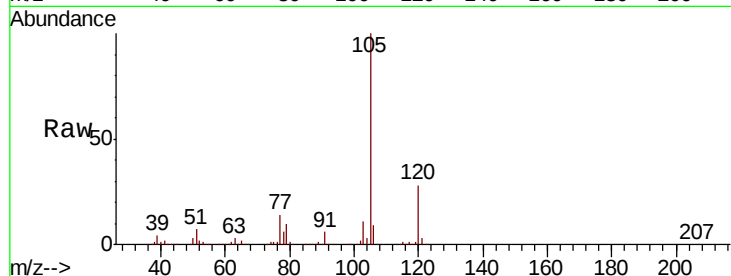
VSTDCCC020EC

Tot Ion:105 Resp: 1148571

Ion Ratio Lower Upper

105 100

120 27.8 19.0 35.4



#71

1,1,2,2-Tetrachloroethane

Concen: 19.106 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

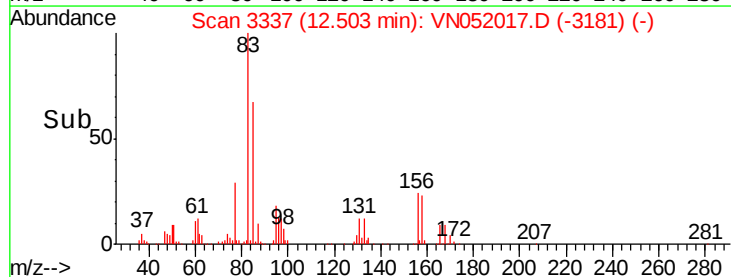
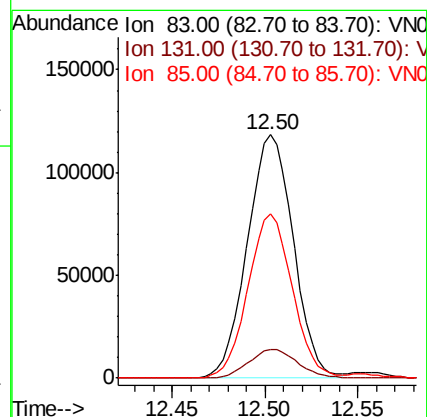
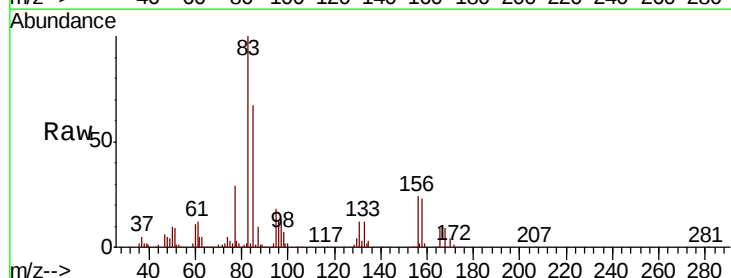
Tgt Ion: 83 Resp: 203849

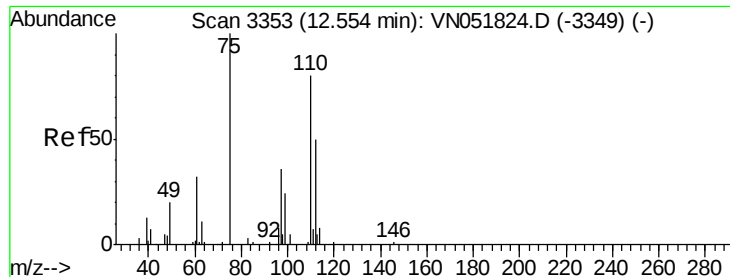
Ion Ratio Lower Upper

83 100

131 12.6 5.5 16.4

85 65.1 30.6 91.8





#72

1,2,3-Trichloropropane

Concen: 29.140 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

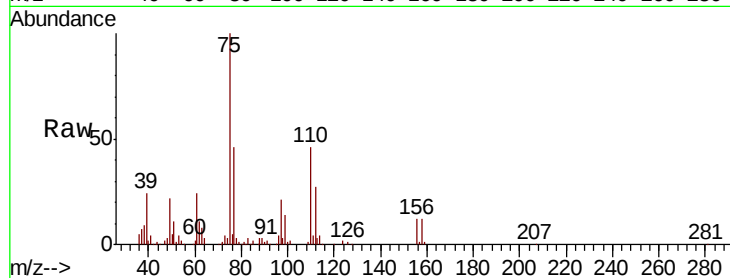
VSTDCCC020EC

Tot Ion: 75 Resp: 244583

Ion Ratio Lower Upper

75 100

77 172.2 0.0 400.0



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3349) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3349) (-)

250000

200000

150000

100000

50000

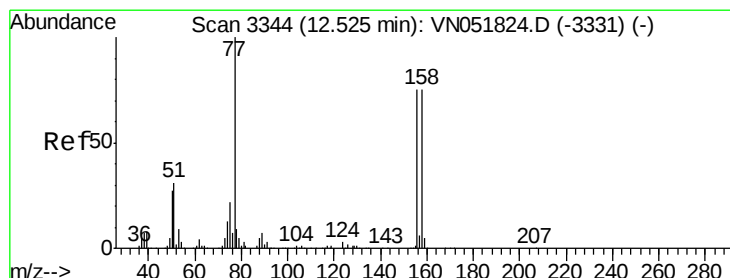
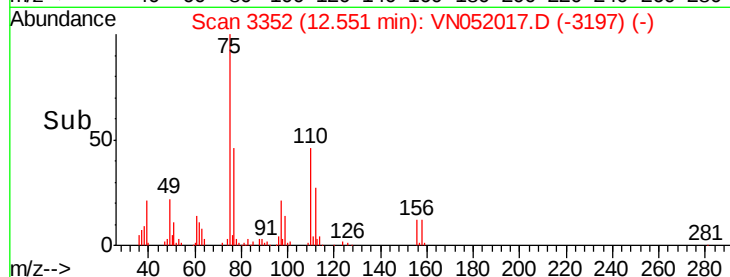
0

12.50

12.55

12.60

Time-->



#73

Bromobenzene

Concen: 23.532 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

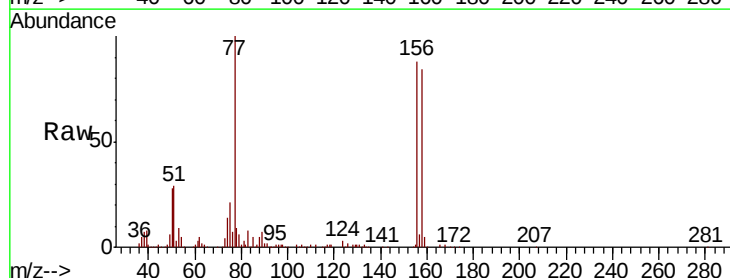
Tgt Ion: 156 Resp: 314905

Ion Ratio Lower Upper

156 100

77 133.7 0.0 377.4

158 97.2 0.0 203.0



Abundance Ion 156.00 (155.70 to 156.70): VN051824.D (-3331) (-)

Ion 77.00 (76.70 to 77.70): VN051824.D (-3331) (-)

Ion 158.00 (157.70 to 158.70): VN051824.D (-3331) (-)

250000

200000

150000

100000

50000

0

12.45

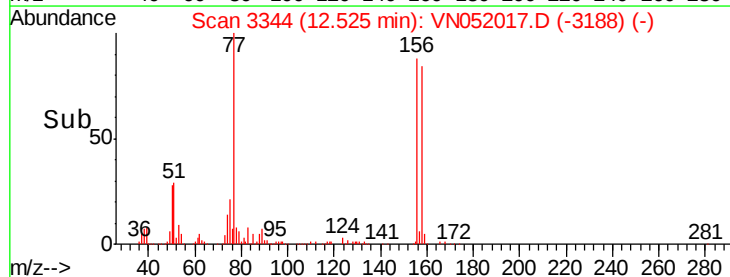
12.50

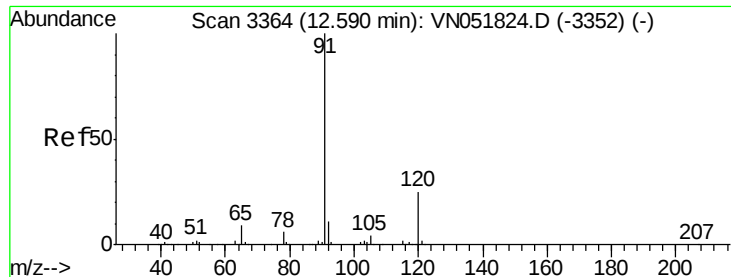
12.53

12.55

12.60

Time-->





#74

n-propylbenzene

Concen: 20.751 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

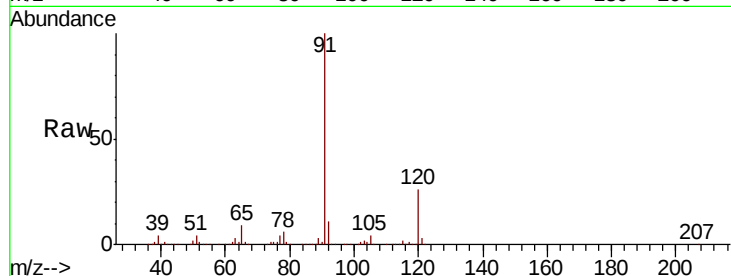
VSTDCCC020EC

Tot Ion: 91 Resp: 1205901

Ion Ratio Lower Upper

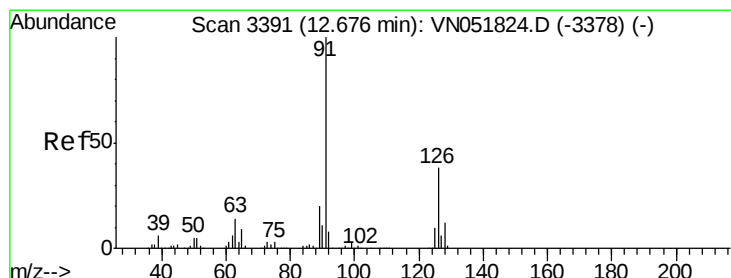
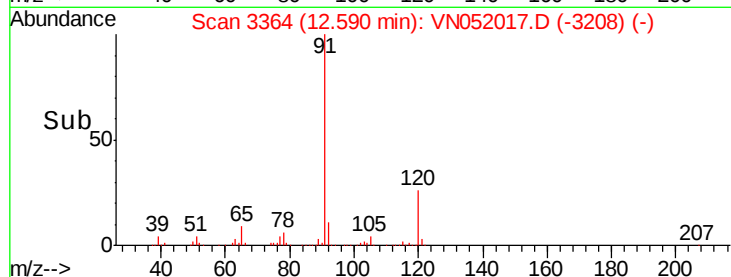
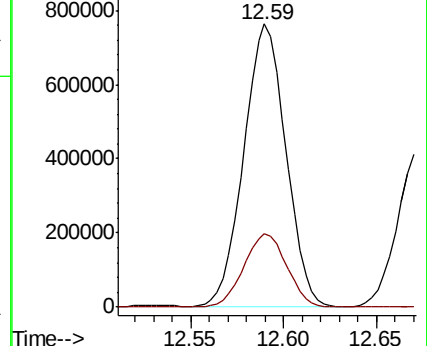
91 100

120 26.4 0.0 45.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#75

2-Chlorotoluene

Concen: 20.834 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN052017.D

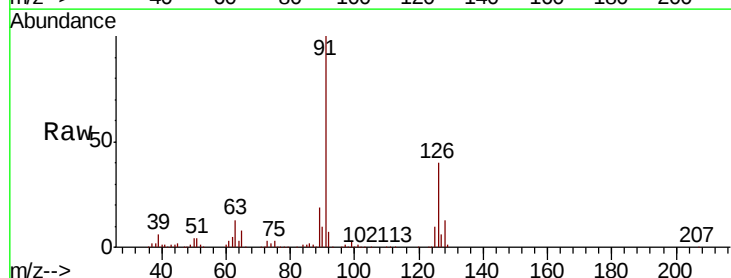
Acq: 25 Oct 2018 18:17

Tgt Ion: 91 Resp: 709826

Ion Ratio Lower Upper

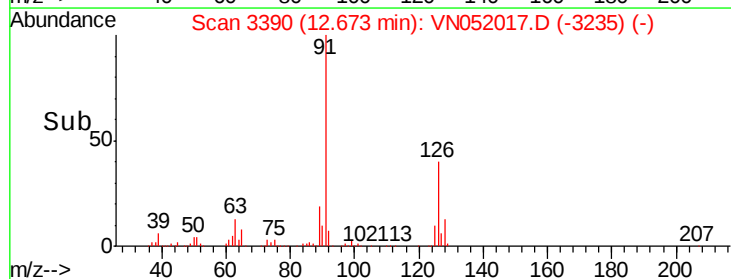
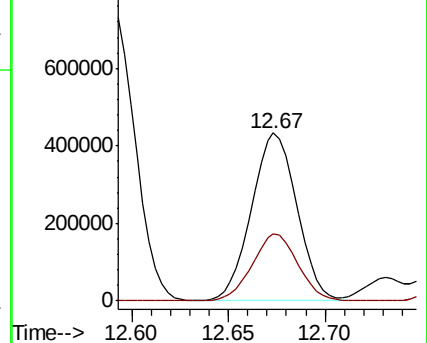
91 100

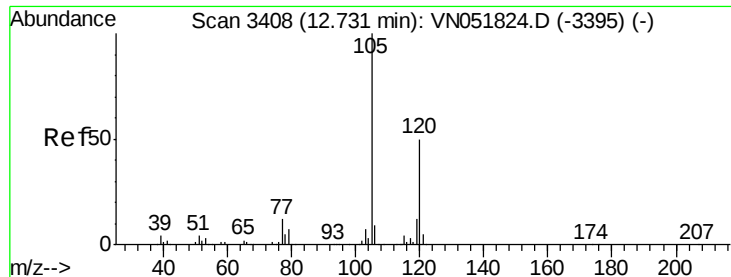
126 40.0 0.0 67.6



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V





#76

1,3,5-Trimethylbenzene

Concen: 20.467 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

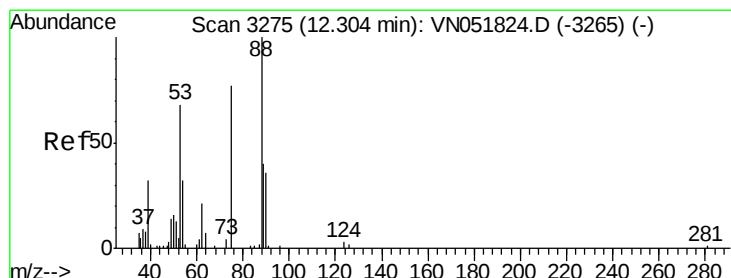
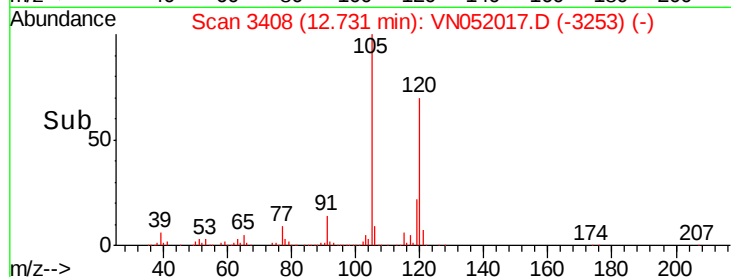
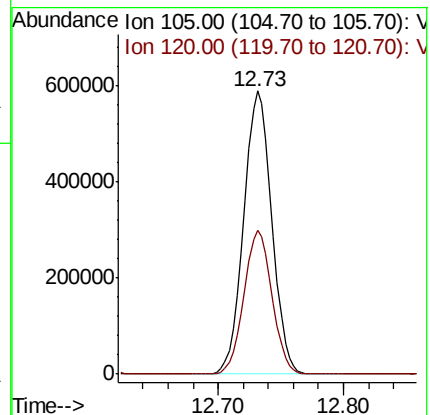
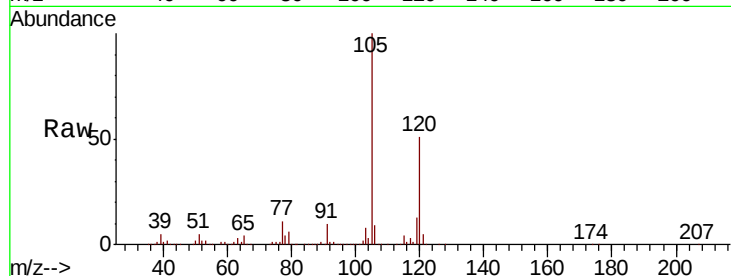
VSTDCCC020EC

Tot Ion:105 Resp: 914374

Ion Ratio Lower Upper

105 100

120 50.7 0.0 98.2



#77

t-1,4-Dichloro-2-butene

Concen: 15.275 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

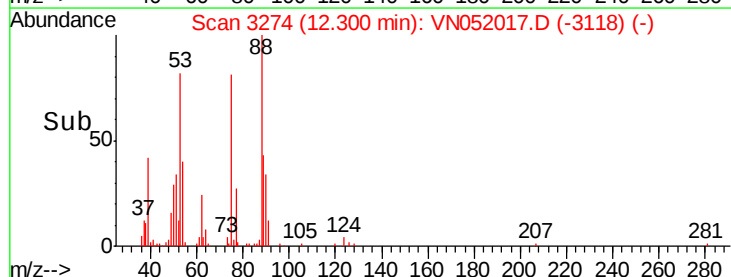
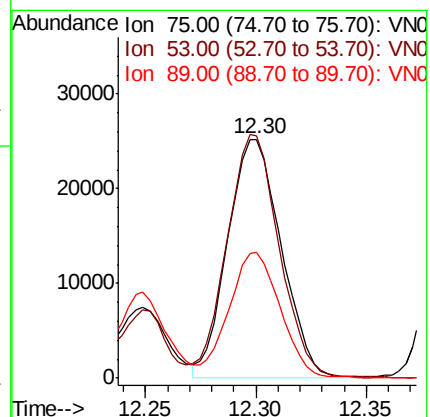
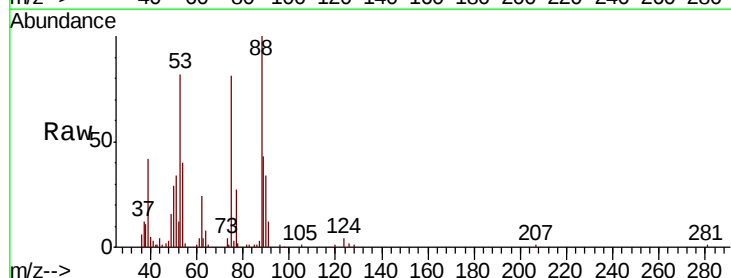
Tgt Ion: 75 Resp: 42402

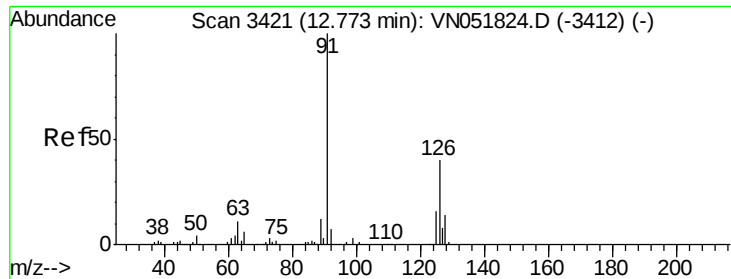
Ion Ratio Lower Upper

75 100

53 101.1 46.3 138.9

89 52.1 24.6 73.8





#78

4-Chlorotoluene

Concen: 20.909 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

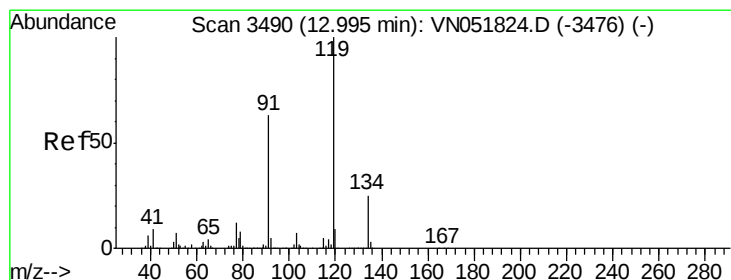
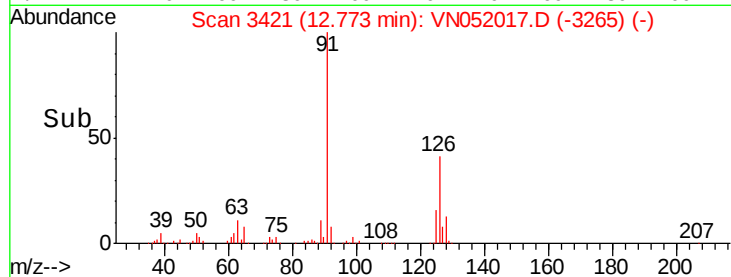
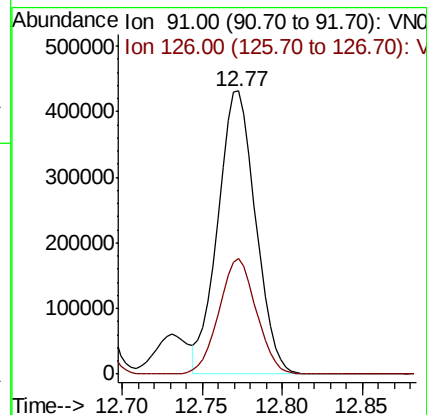
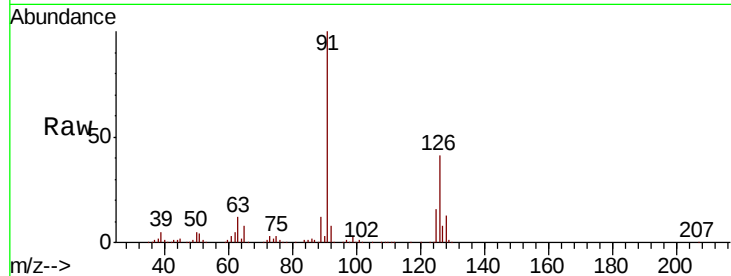
VSTDCCC020EC

Tot Ion: 91 Resp: 699897

Ion Ratio Lower Upper

91 100

126 40.4 0.0 65.2



#79

tert-butylbenzene

Concen: 20.681 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

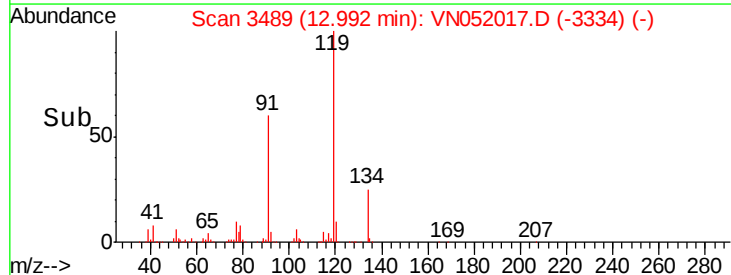
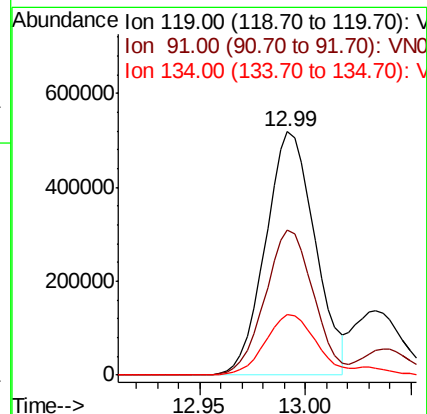
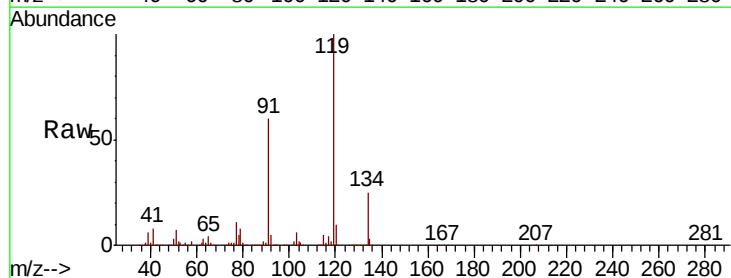
Tgt Ion: 119 Resp: 849693

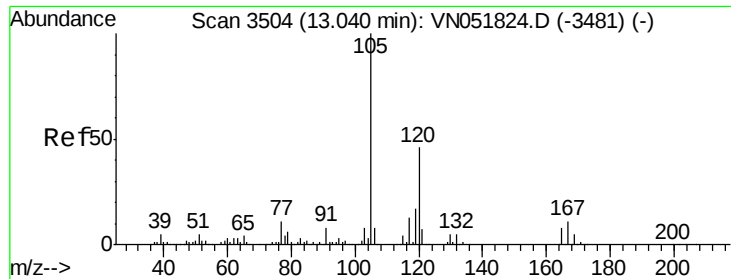
Ion Ratio Lower Upper

119 100

91 58.5 0.0 131.6

134 25.3 0.0 46.2

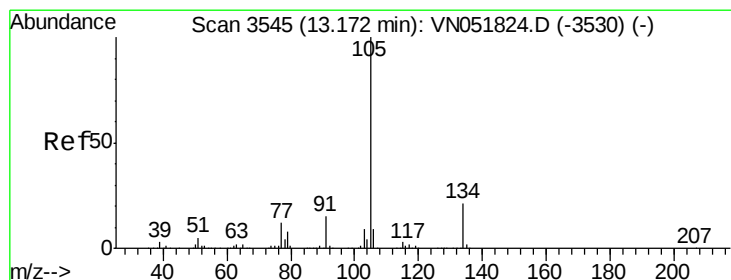
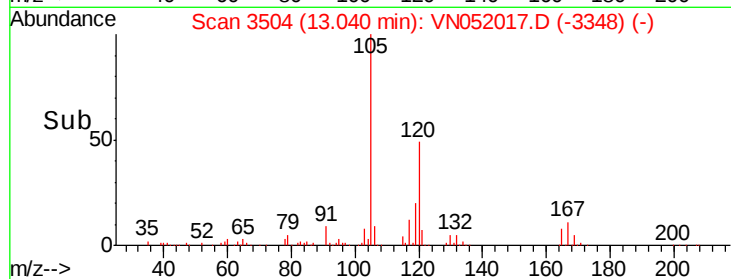
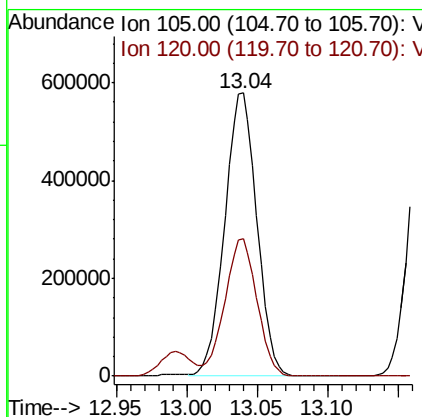
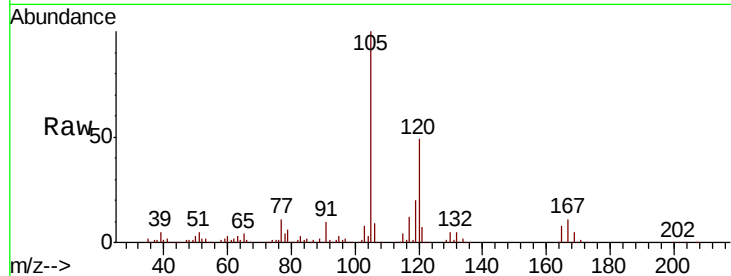




#80
 1,2,4-Trimethylbenzene
 Concen: 20.587 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

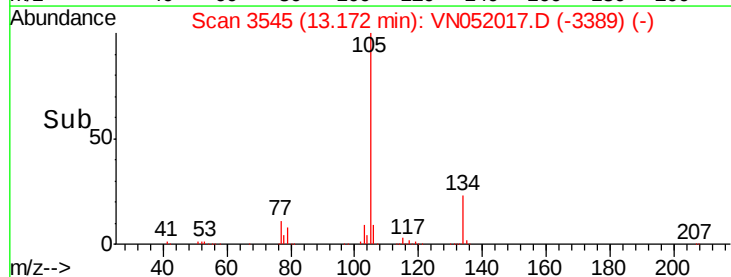
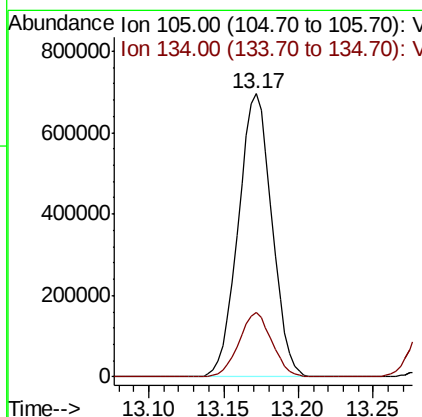
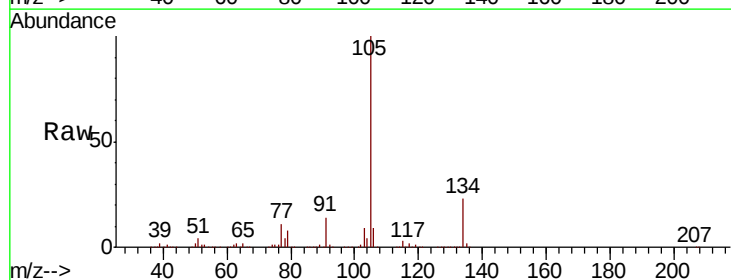
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

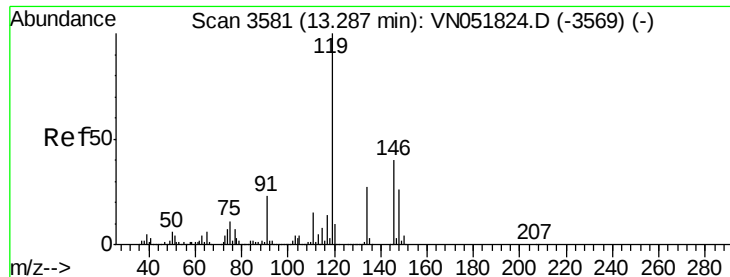
Tot Ion:105 Resp: 919230
 Ion Ratio Lower Upper
 105 100
 120 48.6 0.0 89.6



#81
 sec-Butylbenzene
 Concen: 20.231 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Tgt Ion:105 Resp: 1087352
 Ion Ratio Lower Upper
 105 100
 134 22.3 0.0 39.4





#82

p-Isopropyltoluene

Concen: 20.403 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

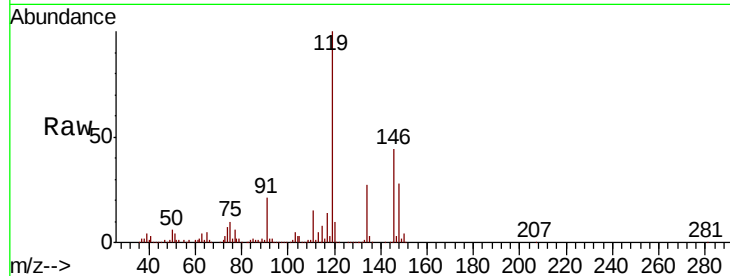
Tot Ion:119 Resp: 981262

Ion Ratio Lower Upper

119 100

134 27.6 0.0 53.6

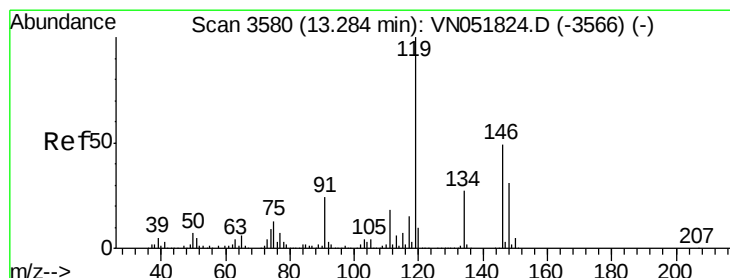
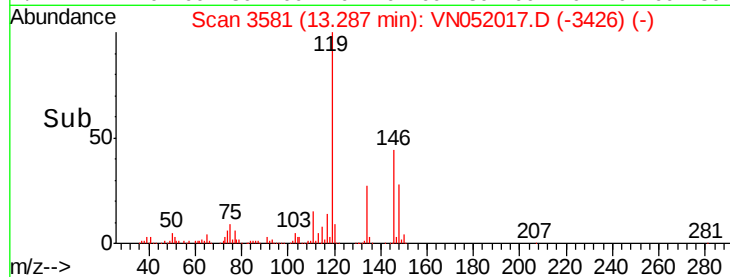
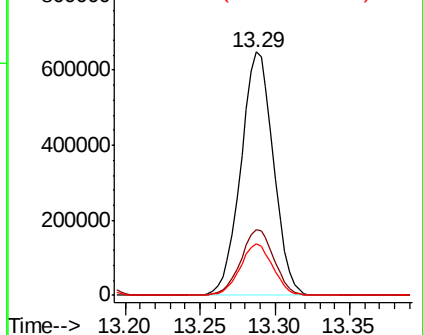
91 21.2 0.0 52.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V



#83

1,3-Dichlorobenzene

Concen: 22.621 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

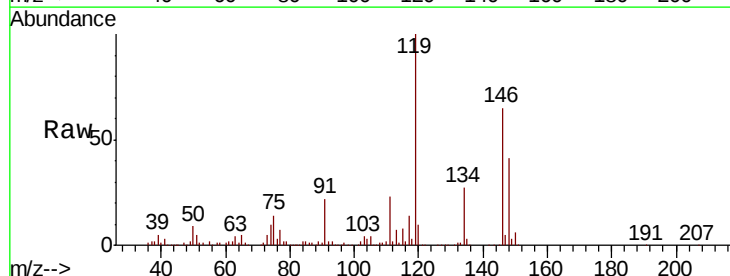
Tgt Ion:146 Resp: 534161

Ion Ratio Lower Upper

146 100

111 35.3 18.1 54.3

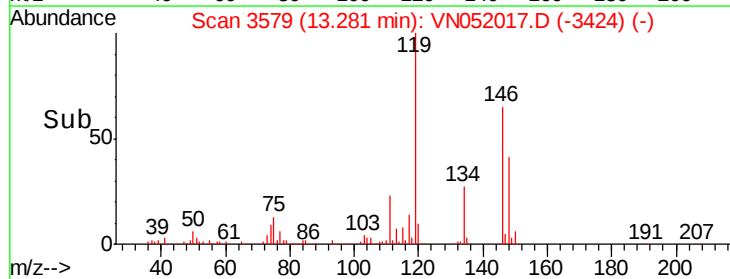
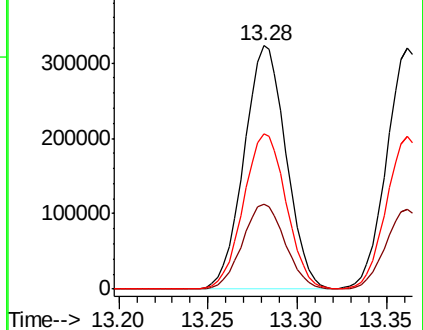
148 64.6 31.3 93.8

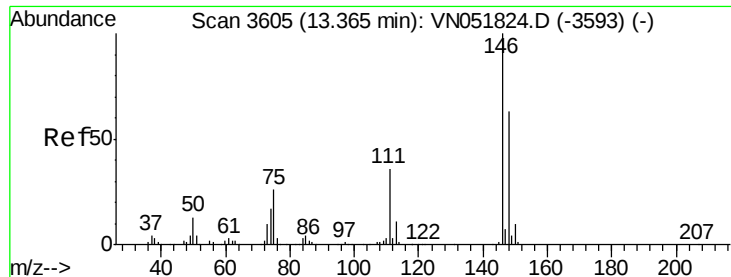


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#84

1,4-Dichlorobenzene

Concen: 23.525 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

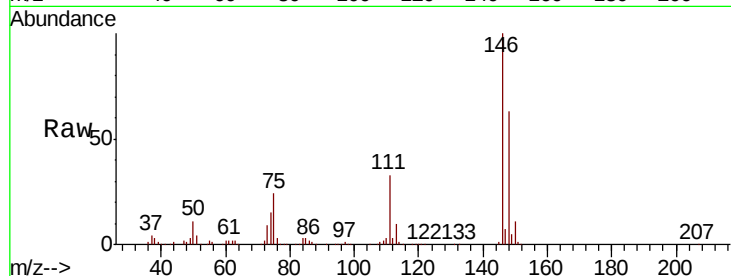
Tot Ion:146 Resp: 522950

Ion Ratio Lower Upper

146 100

111 33.4 17.4 52.2

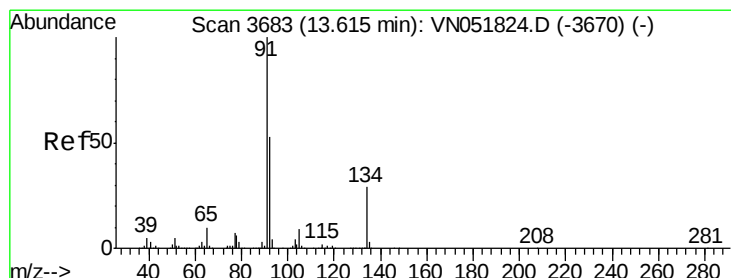
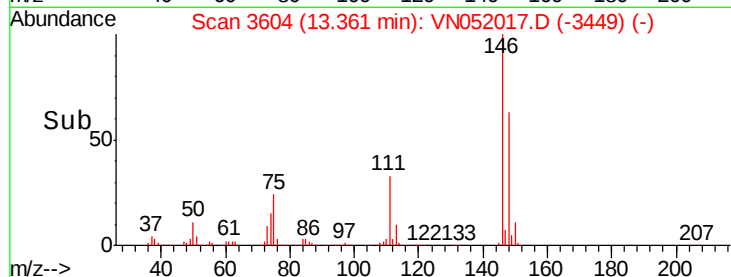
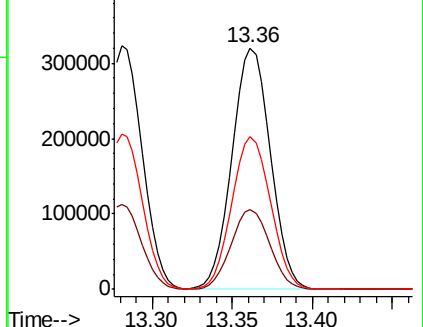
148 64.0 32.8 98.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#85

n-Butylbenzene

Concen: 19.721 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

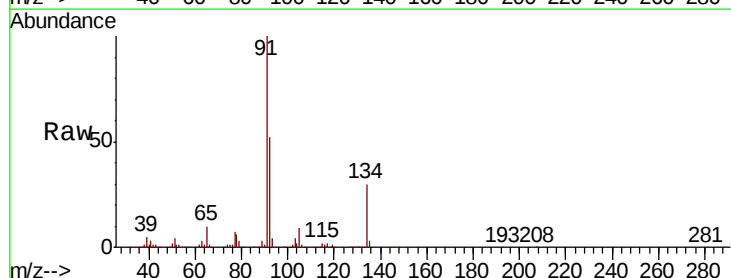
Tgt Ion: 91 Resp: 715237

Ion Ratio Lower Upper

91 100

92 51.5 0.0 97.4

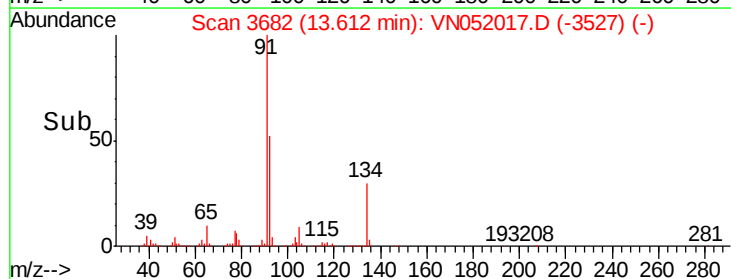
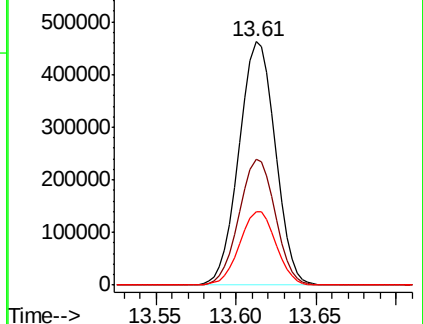
134 30.3 0.0 49.6

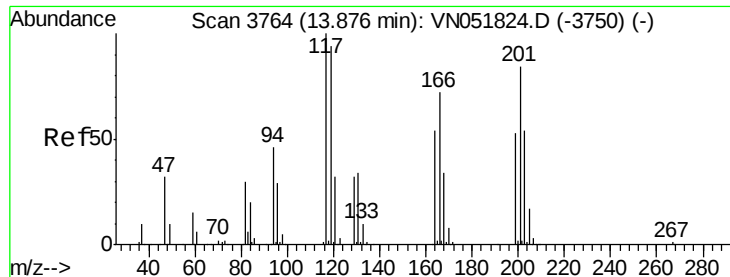


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#86

Hexachloroethane

Concen: 16.671 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

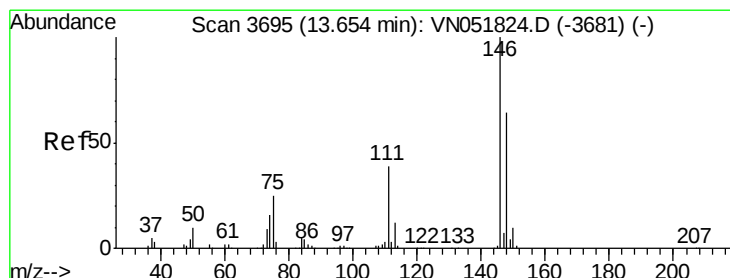
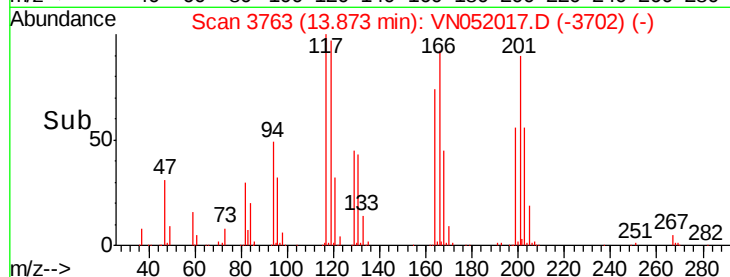
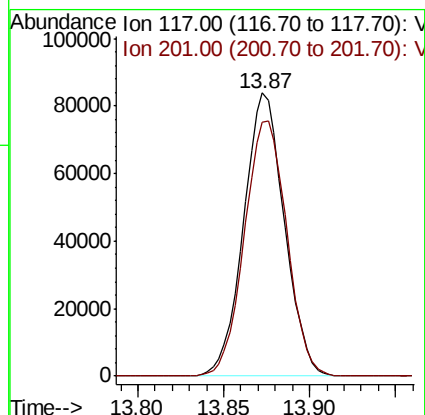
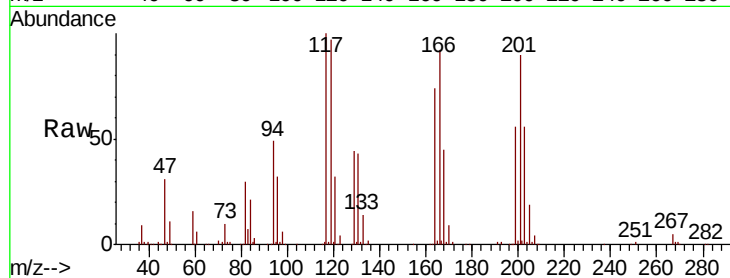
VSTDCCC020EC

Tot Ion:117 Resp: 138251

Ion Ratio Lower Upper

117 100

201 93.4 47.8 143.3



#87

1,2-Dichlorobenzene

Concen: 21.920 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

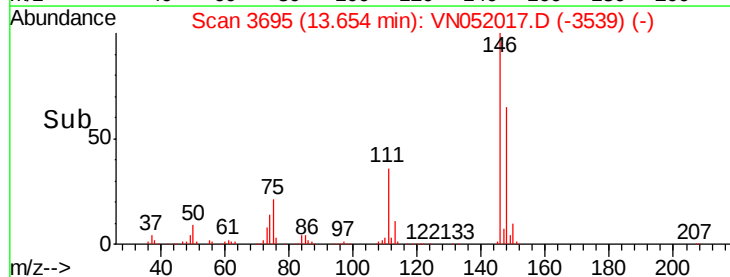
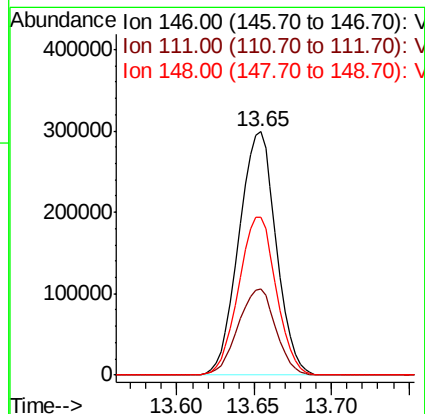
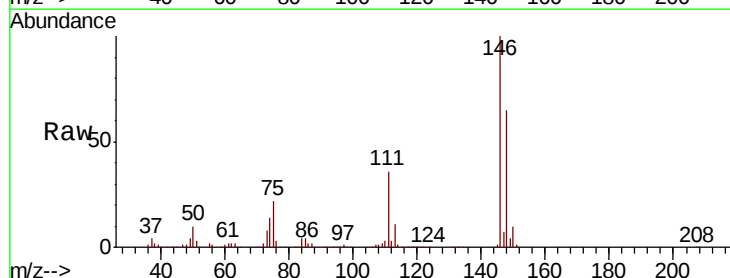
Tgt Ion:146 Resp: 501102

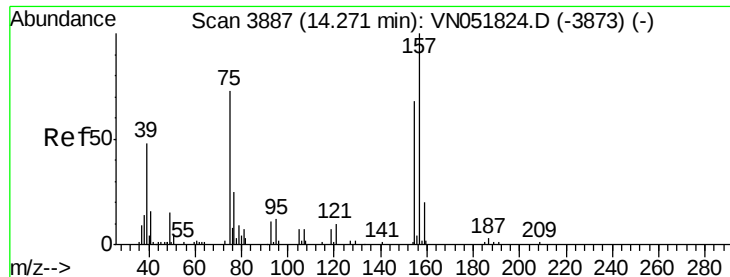
Ion Ratio Lower Upper

146 100

111 35.6 20.8 62.2

148 65.1 33.2 99.6





#88

1,2-Dibromo-3-Chloropropane

Concen: 14.463 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

Instrument :

MSVOA_N

ClientSampleId :

VSTDCCC020EC

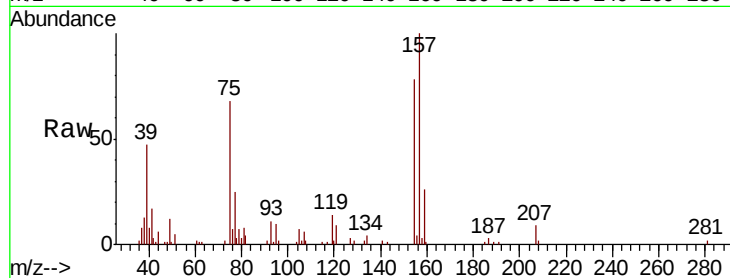
Tot Ion: 75 Resp: 23045

Ion Ratio Lower Upper

75 100

155 110.2 57.0 85.6#

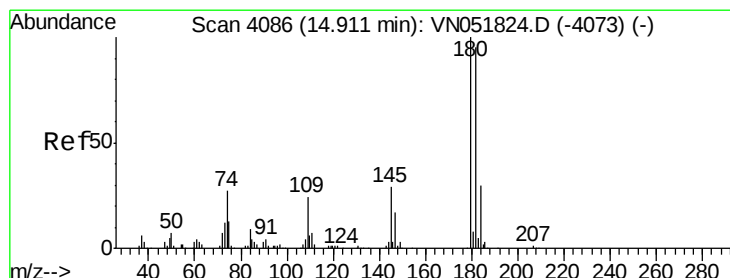
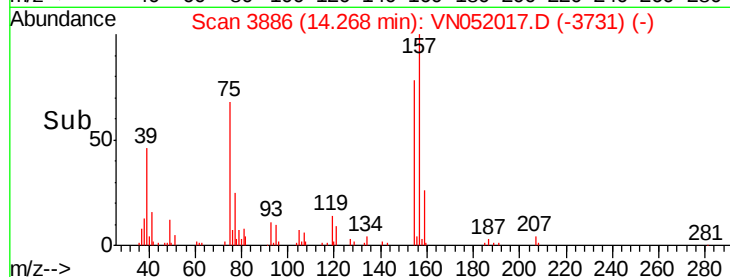
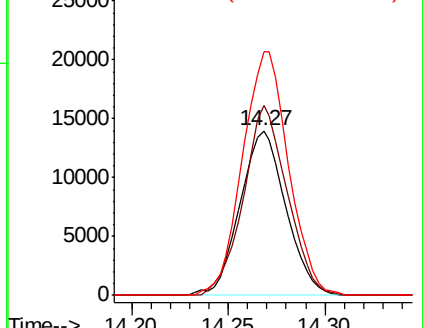
157 148.6 87.4 131.0#



Abundance Ion 75.00 (74.70 to 75.70): VN051824.D (-3873) (-)

Ion 155.00 (154.70 to 155.70): VN051824.D (-3873) (-)

Ion 157.00 (156.70 to 157.70): VN051824.D (-3873) (-)



#89

1,2,4-Trichlorobenzene

Concen: 20.469 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.00 min

Lab File: VN052017.D

Acq: 25 Oct 2018 18:17

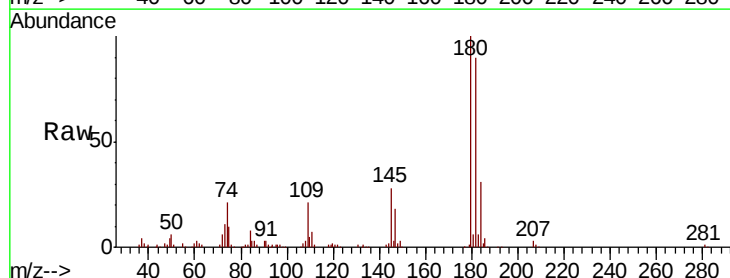
Tgt Ion: 180 Resp: 192243

Ion Ratio Lower Upper

180 100

182 94.3 77.7 116.5

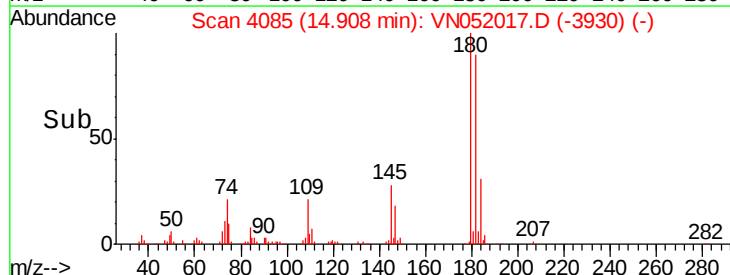
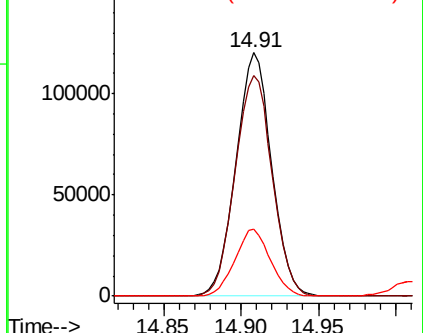
145 27.2 23.4 35.2

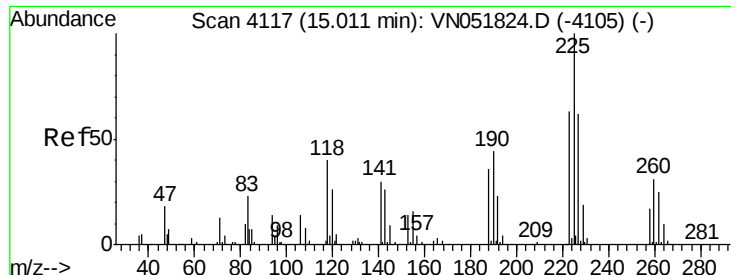


Abundance Ion 180.00 (179.70 to 180.70): VN051824.D (-4073) (-)

Ion 182.00 (181.70 to 182.70): VN051824.D (-4073) (-)

Ion 145.00 (144.70 to 145.70): VN051824.D (-4073) (-)

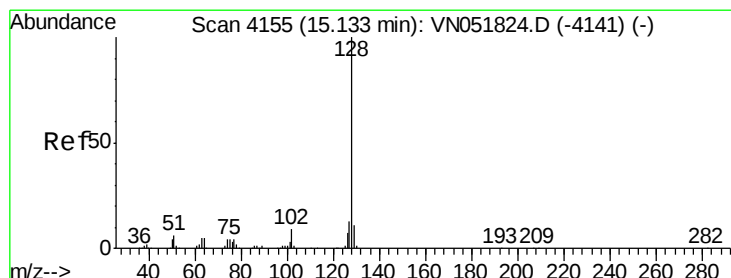
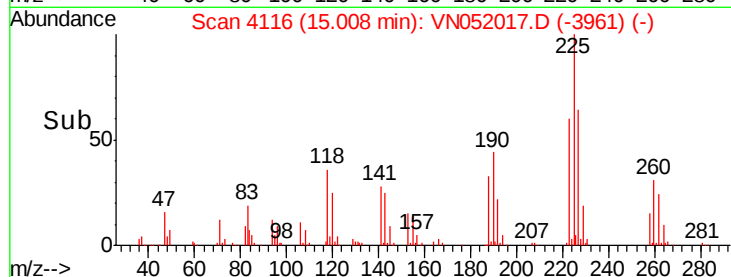
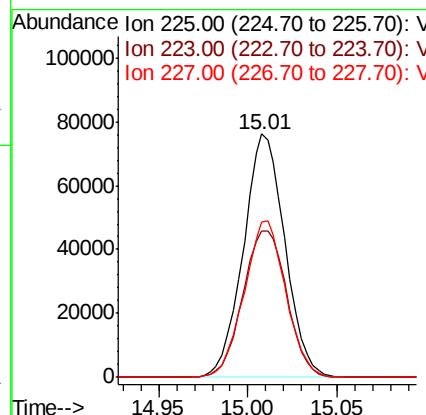
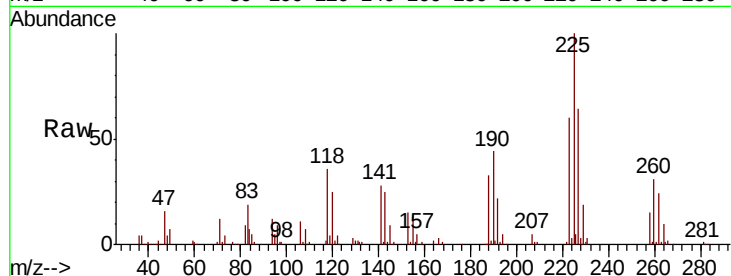




#90
Hexachlorobutadiene
Concen: 16.818 ug/l
RT: 15.01 min Scan# 4116
Delta R.T. -0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

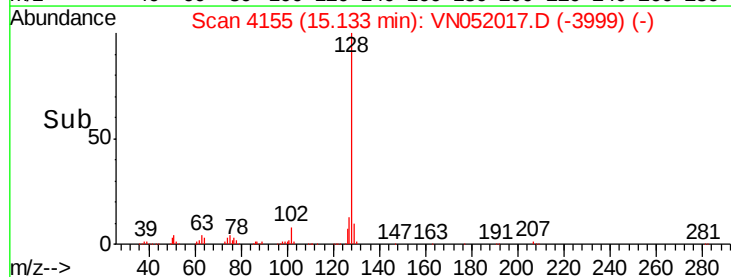
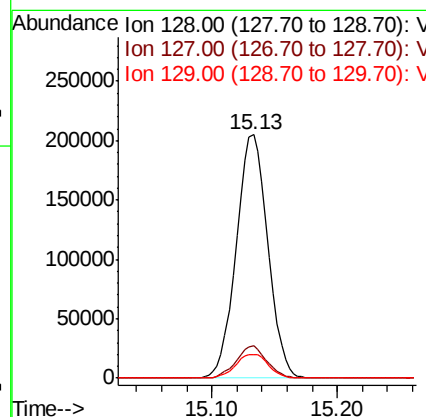
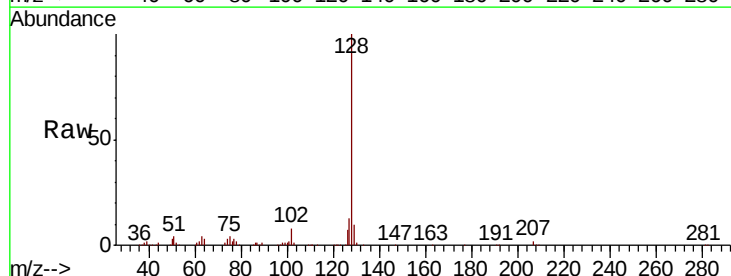
Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020EC

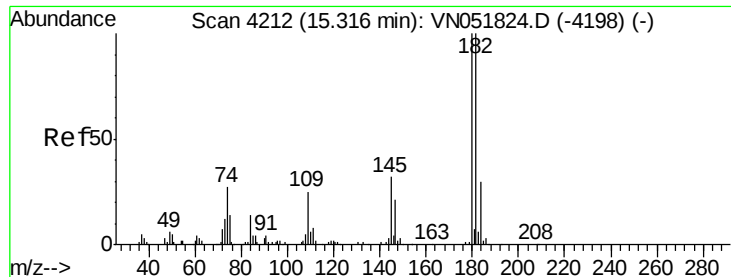
Tot Ion	Ratio	Lower	Upper
225	100		
223	63.7	0.0	117.0
227	64.4	0.0	127.0



#91
Naphthalene
Concen: 19.974 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052017.D
Acq: 25 Oct 2018 18:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.1	15.1
129	10.2	8.4	12.6





#92
 1,2,3-Trichlorobenzene
 Concen: 14.845 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN052017.D
 Acq: 25 Oct 2018 18:17

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	0.0	198.0
145	30.8	0.0	36.8

