

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN080918\
 Data File : VN050499.D
 Acq On : 9 Aug 2018 21:13
 Operator : MD\SY
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 10 07:25:24 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N072518W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Thu Jul 26 15:21:50 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.20	128	135010	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.59	114	727618	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	629648	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.03	65	273678	29.82	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	99.40%
60) 4-Bromofluorobenzene	12.40	95	289783	29.96	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	99.87%
63) Toluene-d8	10.09	98	900052	29.93	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	99.77%

Target Compounds

						Ovalue
2) Dichlorodifluoromethane	1.85	85	136703	14.69	ug/l	99
3) Chloromethane	2.06	50	171536	17.88	ug/l	97
4) Vinyl Chloride	2.18	62	181423	17.76	ug/l	96
5) Bromomethane	2.56	94	101980	16.38	ug/l	97
6) Chloroethane	2.70	64	113822	18.85	ug/l	98
7) Trichlorofluoromethane	3.01	101	249077	18.66	ug/l	99
8) Diethyl Ether	3.41	74	84273	18.83	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153046	18.85	ug/l	99
10) 1,1-Dichloroethene	3.74	96	136985	19.03	ug/l	94
11) Methyl Iodide	3.95	142	64189	6.06	ug/l	99
12) Methyl Acetate	4.33	43	142174	17.24	ug/l	100
13) Acrolein	3.61	56	40239	78.96	ug/l	100
14) Acrylonitrile	5.00	53	248934	90.47	ug/l	99
15) Acetone	3.82	58	76090	104.06	ug/l	97
16) Carbon Disulfide	4.05	76	394577	17.91	ug/l	99
17) Allyl chloride	4.33	41	201743	17.75	ug/l	98
18) Methylene Chloride	4.55	84	167437	20.16	ug/l	95
19) trans-1,2-Dichloroethene	5.04	96	146597	19.02	ug/l	96
20) Diisopropyl ether	5.96	45	461949	19.82	ug/l	97
21) 1,1-Dichloroethane	5.85	63	278722	19.02	ug/l	99
22) cis-1,2-Dichloroethene	6.83	96	167483	19.60	ug/l	98
23) tert-Butyl Alcohol	4.80	59	52336	85.13	ug/l #	100
24) Methyl tert-Butyl Ether	5.05	73	375399	19.12	ug/l	99
25) Chloroform	7.37	83	290978	19.61	ug/l	98
26) Cyclohexane	7.66	56	219184	18.82	ug/l #	98
29) 1,1-Dichloropropene	7.80	75	210490	18.64	ug/l	100
30) 2-Butanone	6.84	43	355512	100.33	ug/l	97
31) 2,2-Dichloropropane	6.83	77	203594	16.31	ug/l	100
32) 1,1,1-Trichloroethane	7.57	97	245517	18.47	ug/l	99
33) Carbon Tetrachloride	7.78	117	216572	18.28	ug/l	99
34) Benzene	8.04	78	648617	18.91	ug/l	99
35) Methacrylonitrile	7.18	41	66560	16.50	ug/l	98
36) 1,2-Dichloroethane	8.13	62	208537	18.52	ug/l	100
37) Trichloroethene	8.84	130	170719	18.98	ug/l	95
38) Methylcyclohexane	9.08	83	206016	17.31	ug/l	98
39) 1,2-Dichloropropane	9.12	63	170475	18.87	ug/l	99
40) Dibromomethane	9.21	93	103584	18.55	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.41	83	215428	18.29	ug/l	98
42) Vinyl Acetate	5.90	43	1466151	87.93	ug/l	100
43) Ethyl Acetate	6.93	43	123905	16.75	ug/l	94
44) Isopropyl Acetate	8.17	43	244032	17.80	ug/l	95
45) 1,4-Dioxane	9.20	88	32128	356.20	ug/l	99
46) Methyl methacrylate	9.20	41	110483	16.63	ug/l	97
47) n-amyl Acetate	12.07	43	175542	16.46	ug/l	97
48) t-1,3-Dichloropropene	10.38	75	198881	17.72	ug/l	98
49) cis-1,3-Dichloropropene	9.84	75	236449	17.93	ug/l	98
50) 1,1,2-Trichloroethane	10.56	97	150113	18.73	ug/l	99
51) Ethyl methacrylate	10.43	69	170917	17.57	ug/l	100
52) 1,3-Dichloropropane	10.71	76	243481	18.50	ug/l	99
53) Dibromochloromethane	10.90	129	163515	17.98	ug/l	99
54) 1,2-Dibromoethane	11.01	107	143702	18.31	ug/l	99
55) 2-Chloroethyl vinyl ether	9.70	63	427142	97.02	ug/l	99
56) Bromoform	12.13	173	108802	16.94	ug/l	98
58) 4-Methyl-2-Pentanone	9.99	43	821614	112.14	ug/l	98
59) 2-Hexanone	10.75	43	529734	105.98	ug/l	99
61) Tetrachloroethene	10.63	164	165386	19.39	ug/l	99
62) Toluene	10.16	91	691913	19.26	ug/l	100
64) Chlorobenzene	11.44	112	427320	19.62	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.51	131	163555	19.25	ug/l	100
66) Ethyl Benzene	11.51	91	690077	18.80	ug/l	100
67) m/p-Xylenes	11.62	106	552328	39.09	ug/l	98
68) o-Xylene	11.95	106	258177	19.21	ug/l	99
69) Styrene	11.97	104	422350	19.60	ug/l	99
70) Isopropylbenzene	12.25	105	693926	19.38	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.51	83	184166	18.74	ug/l	99
72) 1,2,3-Trichloropropane	12.55	75	210304	25.05	ug/l	56
73) Bromobenzene	12.53	156	181513	19.03	ug/l	100
74) n-propylbenzene	12.59	91	774397	18.57	ug/l	99
75) 2-Chlorotoluene	12.68	91	479064	19.13	ug/l	98
76) 1,3,5-Trimethylbenzene	12.73	105	568033	19.32	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	38045	13.86	ug/l	90
78) 4-Chlorotoluene	12.77	91	470824	18.97	ug/l	98
79) tert-butylbenzene	12.99	119	480317	19.11	ug/l	100
80) 1,2,4-Trimethylbenzene	13.04	105	579642	19.46	ug/l	100
81) sec-Butylbenzene	13.17	105	631156	18.48	ug/l	100
82) p-Isopropyltoluene	13.29	119	539759	18.52	ug/l	99
83) 1,3-Dichlorobenzene	13.28	146	313014	18.85	ug/l	100
84) 1,4-Dichlorobenzene	13.36	146	298294	19.01	ug/l	98
85) n-Butylbenzene	13.62	91	400577	16.94	ug/l	99
86) Hexachloroethane	13.88	117	92832	15.94	ug/l	99
87) 1,2-Dichlorobenzene	13.65	146	311720	19.20	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.27	75	26893	17.56	ug/l	96
89) 1,2,4-Trichlorobenzene	14.91	180	134659	17.37	ug/l	99
90) Hexachlorobutadiene	15.01	225	90380	17.68	ug/l	99
91) Naphthalene	15.14	128	281194	19.21	ug/l	99
92) 1,2,3-Trichlorobenzene	15.32	180	136968	17.37	ug/l	98

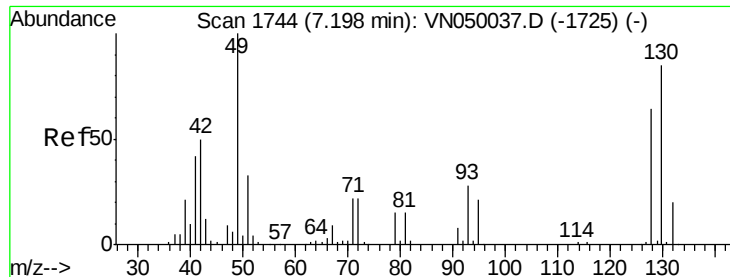
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1

Bromochloromethane

Concen: 30.00 ug/l

RT: 7.20 min Scan# 1744

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :

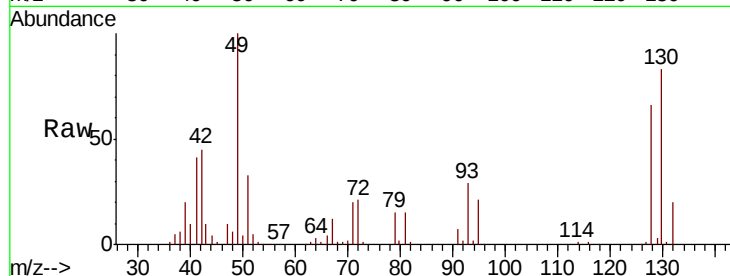
Tot Ion:128 Resp: 135010

Ion Ratio Lower Upper

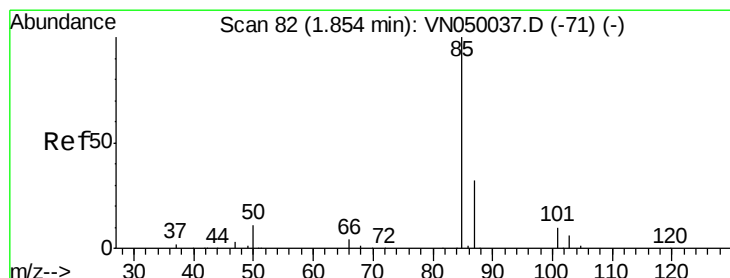
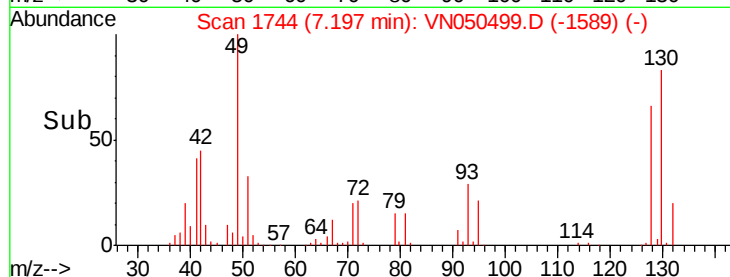
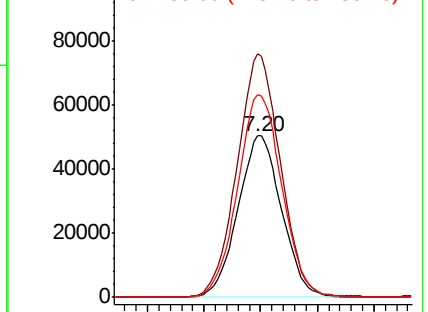
128 100

49 150.1 0.0 378.3

130 127.8 0.0 320.7



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



#2

Dichlorodifluoromethane

Concen: 14.69 ug/l

RT: 1.85 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN050499.D

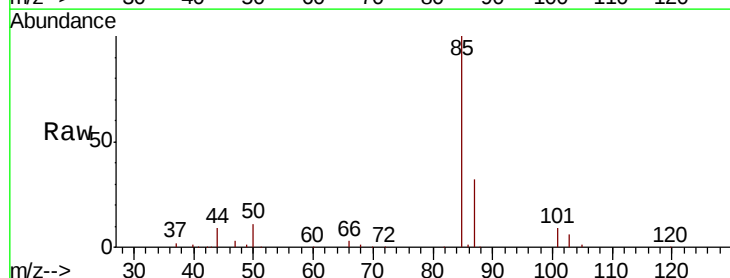
Acq: 9 Aug 2018 21:13

Tgt Ion: 85 Resp: 136703

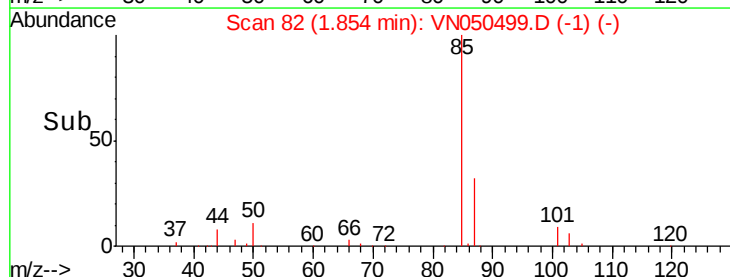
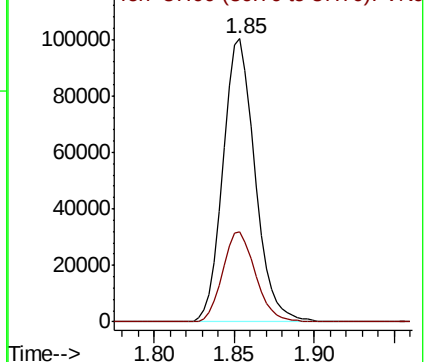
Ion Ratio Lower Upper

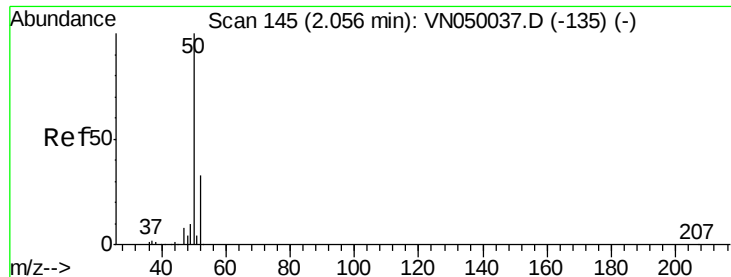
85 100

87 31.7 15.4 46.4



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





#3

Chloromethane

Concen: 17.88 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

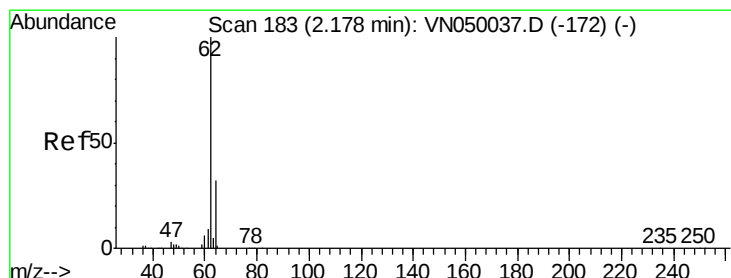
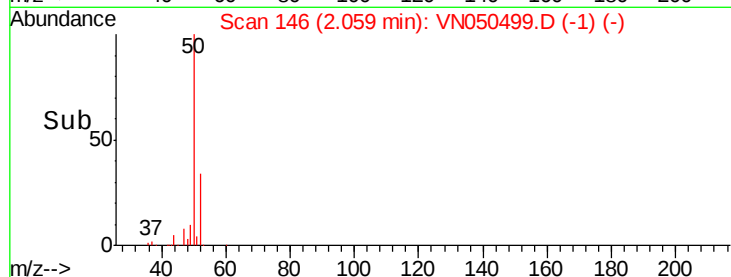
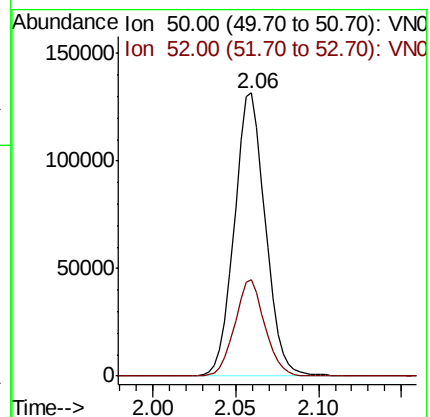
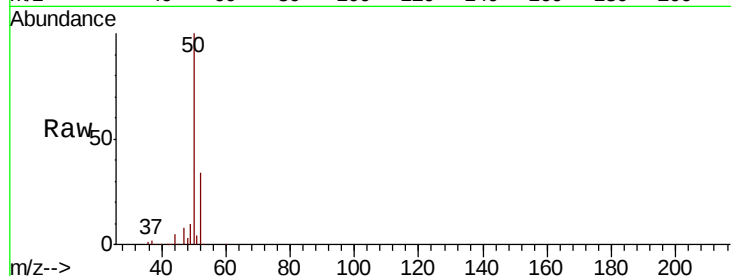
ClientSampled :

Tot Ion: 50 Resp: 171536

Ion Ratio Lower Upper

50 100

52 34.1 26.1 39.1



#4

Vinyl Chloride

Concen: 17.76 ug/l

RT: 2.18 min Scan# 184

Delta R.T. 0.00 min

Lab File: VN050499.D

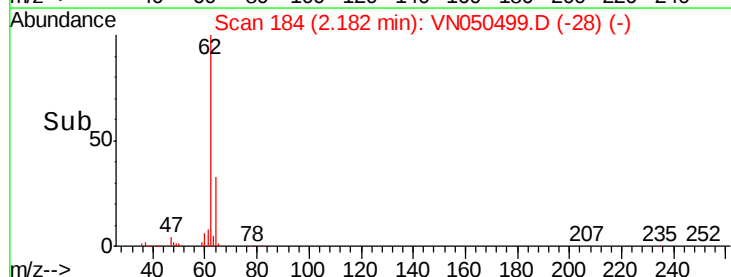
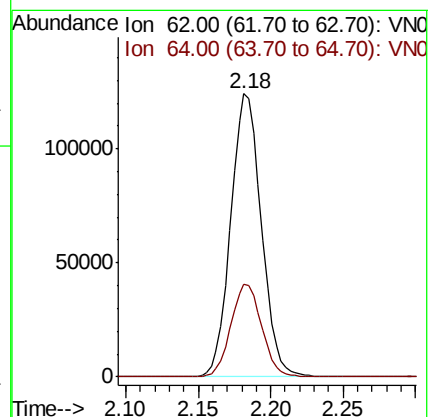
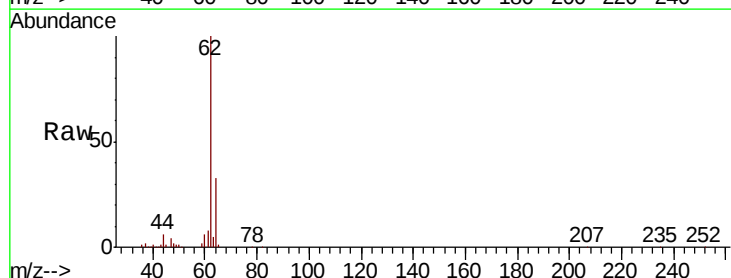
Acq: 9 Aug 2018 21:13

Tgt Ion: 62 Resp: 181423

Ion Ratio Lower Upper

62 100

64 32.5 24.4 36.6





#5

Bromomethane

Concen: 16.38 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

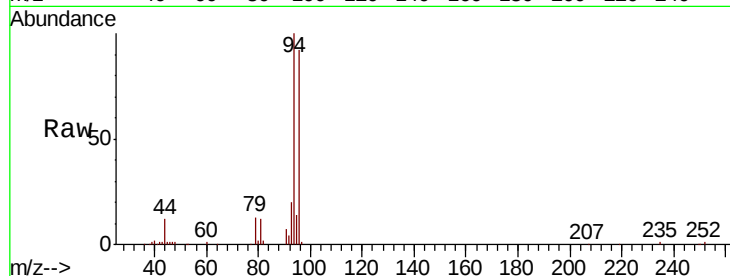
ClientSampled :

Tot Ion: 94 Resp: 101980

Ion Ratio Lower Upper

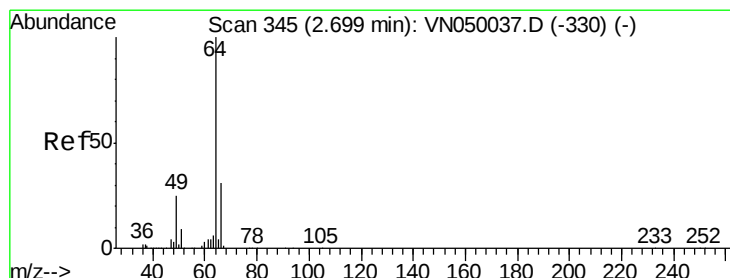
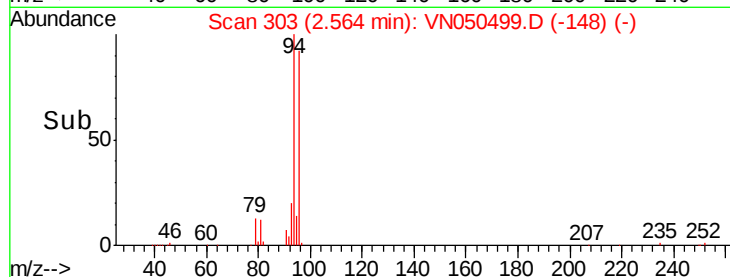
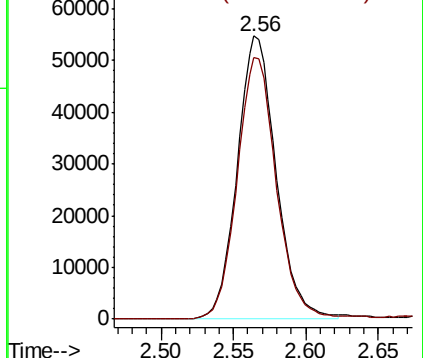
94 100

96 92.5 75.9 113.9



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0



#6

Chloroethane

Concen: 18.85 ug/l

RT: 2.70 min Scan# 345

Delta R.T. -0.00 min

Lab File: VN050499.D

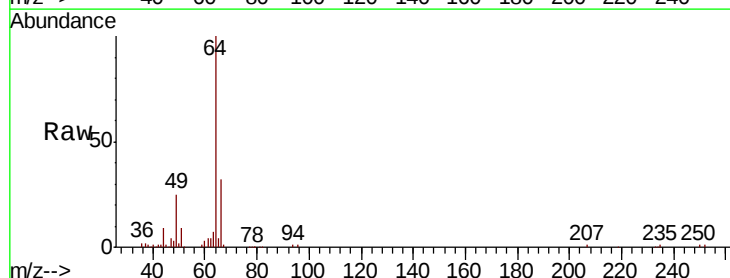
Acq: 9 Aug 2018 21:13

Tgt Ion: 64 Resp: 113822

Ion Ratio Lower Upper

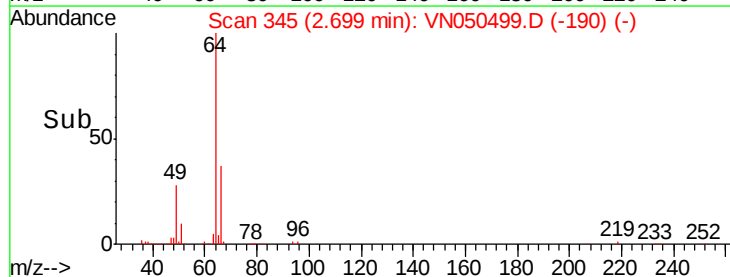
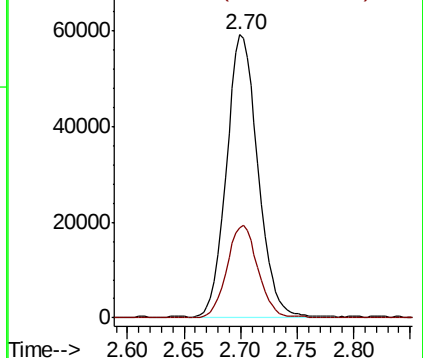
64 100

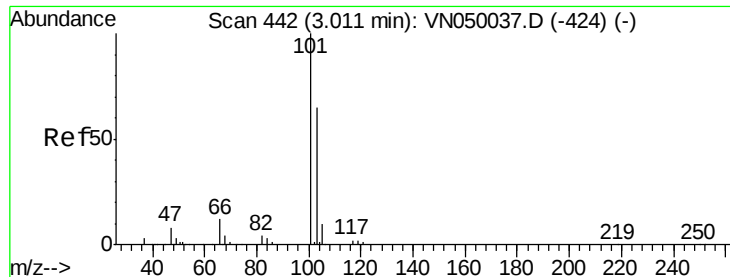
66 32.1 25.0 37.4



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0



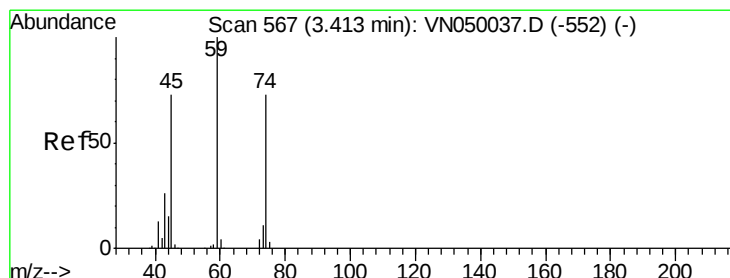
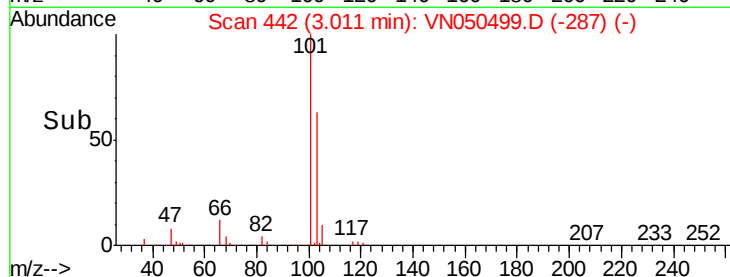
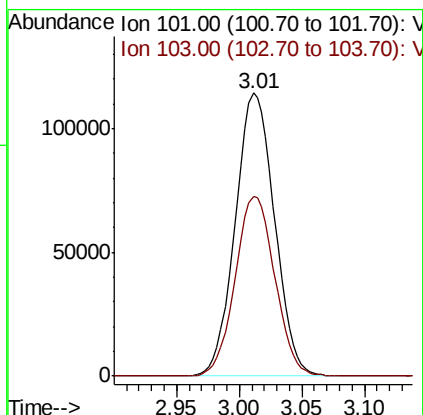
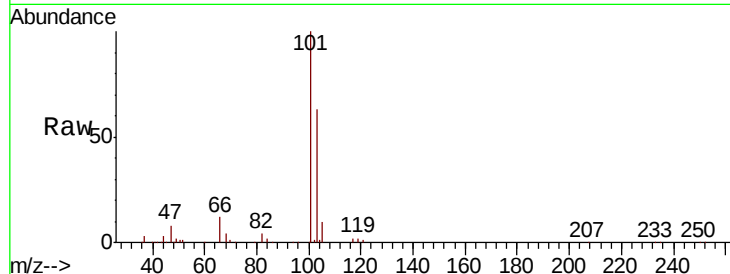


#7

Trichlorofluoromethane
 Concen: 18.66 ug/l
 RT: 3.01 min Scan# 442
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

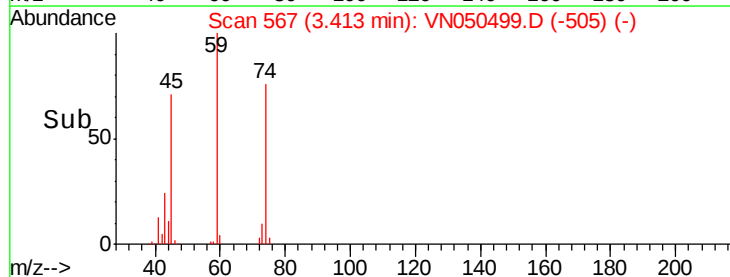
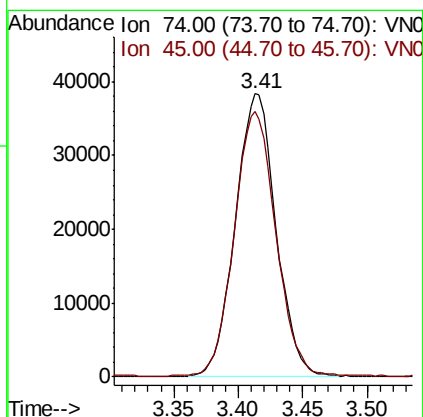
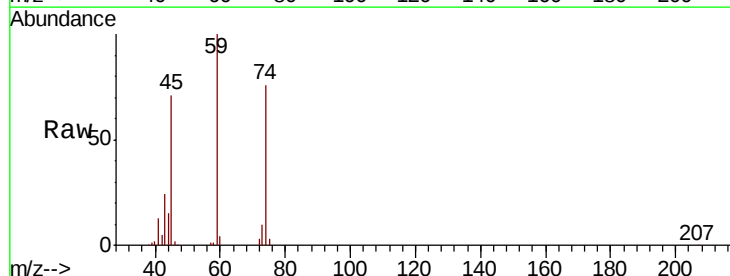
Tot Ion:101 Resp: 249077
 Ion Ratio Lower Upper
 101 100
 103 63.3 51.5 77.3

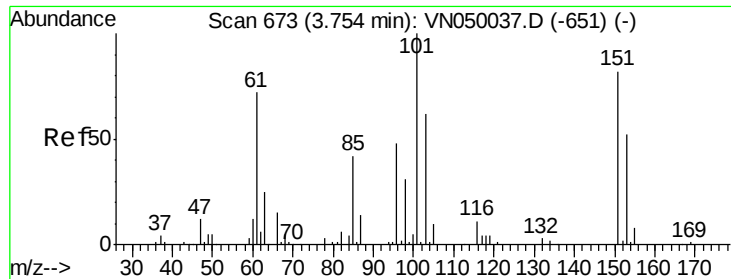


#8

Diethyl Ether
 Concen: 18.83 ug/l
 RT: 3.41 min Scan# 567
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 74 Resp: 84273
 Ion Ratio Lower Upper
 74 100
 45 96.6 18.7 167.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.85 ug/l

RT: 3.76 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

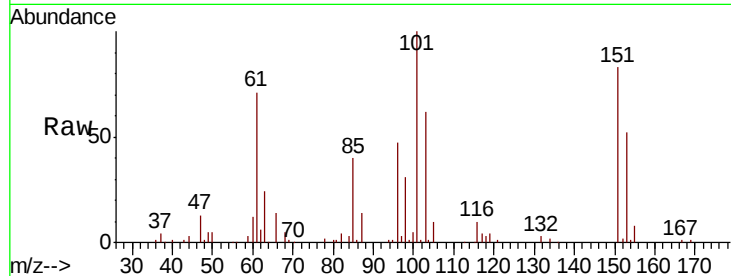
Tot Ion:101 Resp: 153046

Ion Ratio Lower Upper

101 100

85 41.1 0.0 83.0

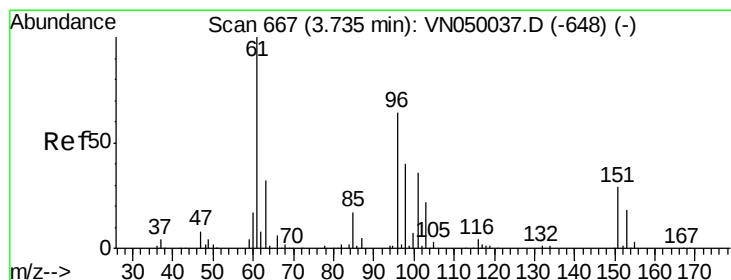
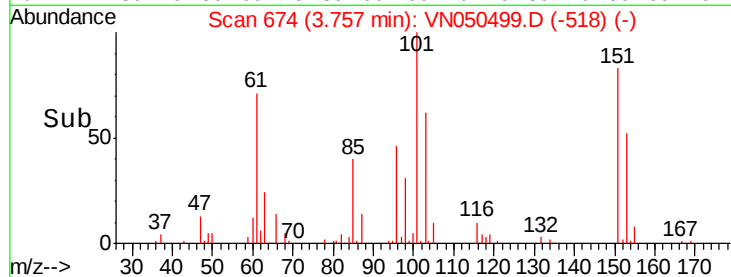
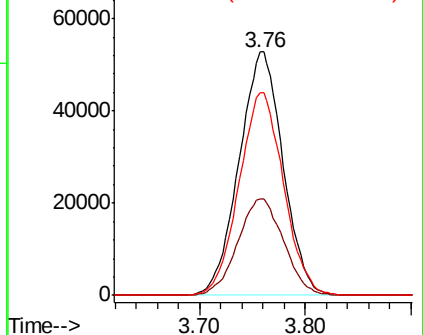
151 84.2 0.0 166.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VN

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 19.03 ug/l

RT: 3.74 min Scan# 668

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

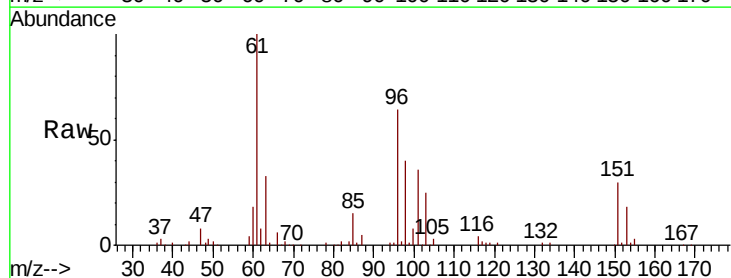
Tgt Ion: 96 Resp: 136985

Ion Ratio Lower Upper

96 100

61 155.4 130.6 195.8

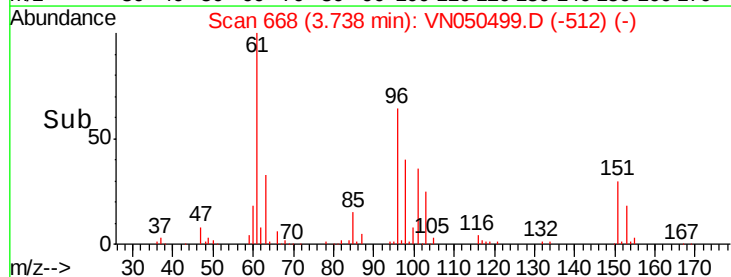
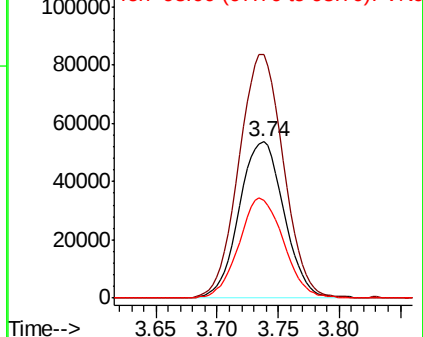
98 62.3 53.5 80.3



Abundance Ion 96.00 (95.70 to 96.70): VN

Ion 61.00 (60.70 to 61.70): VN

Ion 98.00 (97.70 to 98.70): VN

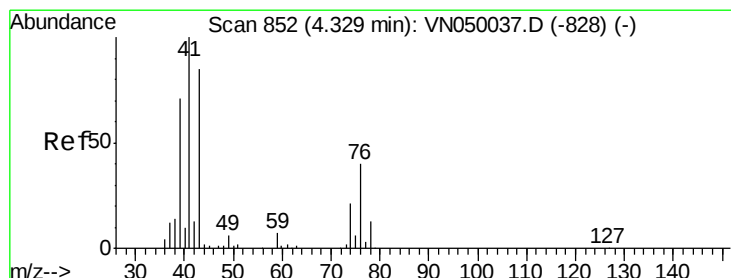
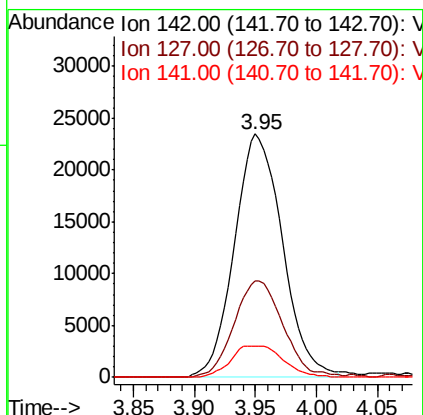
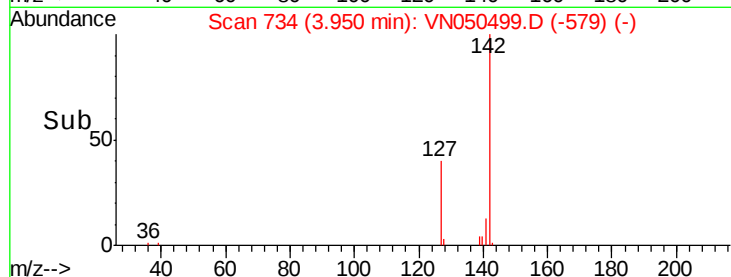
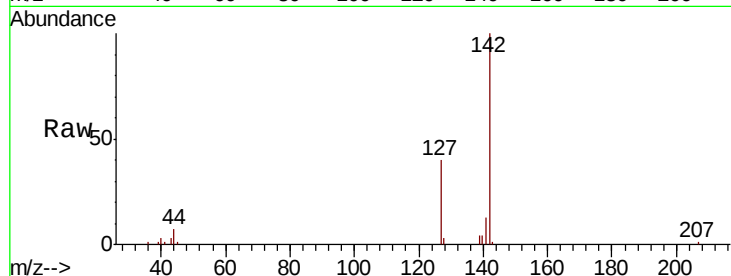




#11
Methvl Iodide
Concen: 6.06 ug/l
RT: 3.95 min Scan# 734
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

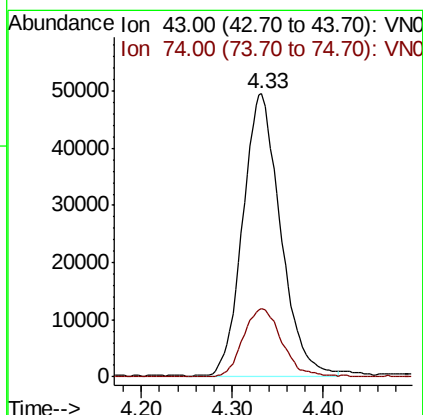
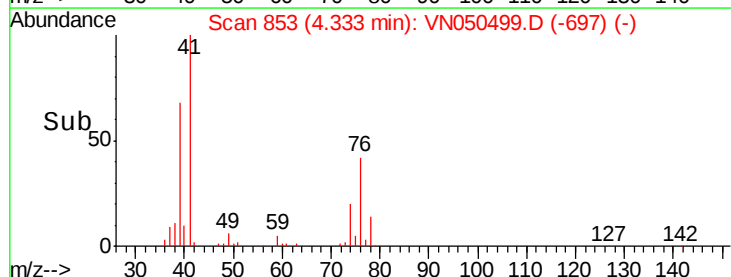
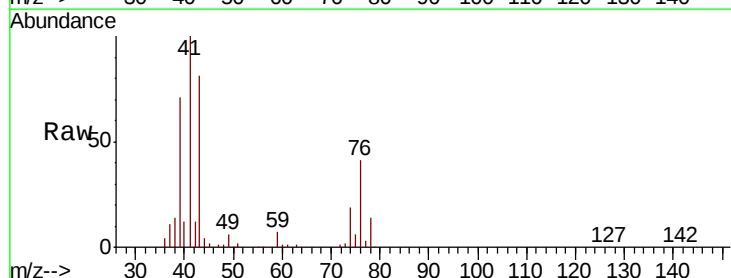
Instrument :
MSVOA_N
ClientSampled :

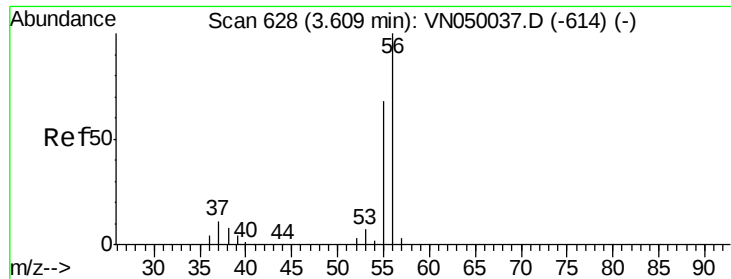
Tot Ion:142 Resp: 64189
Ion Ratio Lower Upper
142 100
127 39.7 20.2 60.5
141 13.0 6.9 20.6



#12
Methyl Acetate
Concen: 17.24 ug/l
RT: 4.33 min Scan# 853
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 43 Resp: 142174
Ion Ratio Lower Upper
43 100
74 24.2 19.3 28.9

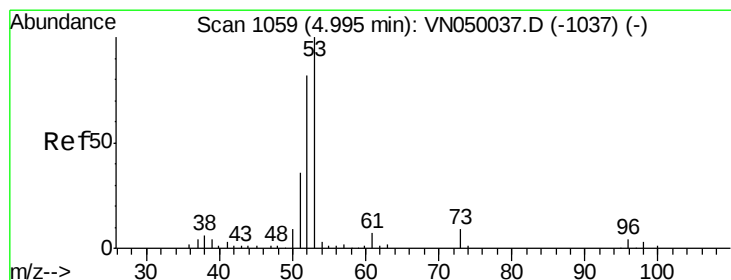
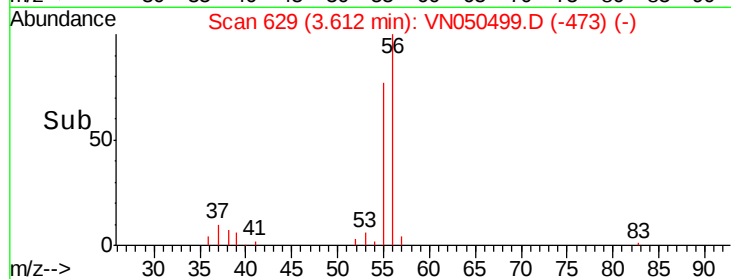
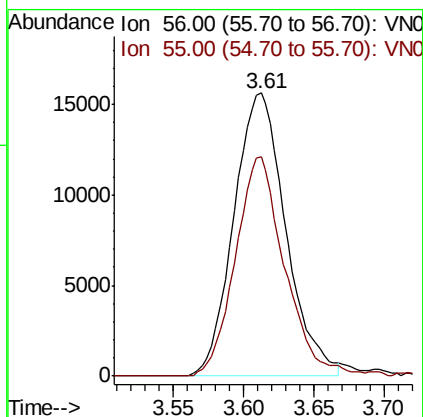
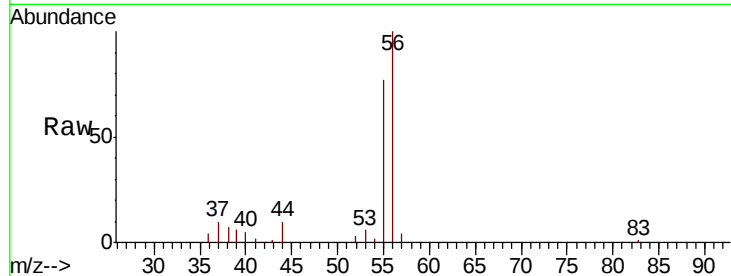




#13
 Acrolein
 Concen: 78.96 ug/l
 RT: 3.61 min Scan# 629
 Delta R.T. 0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

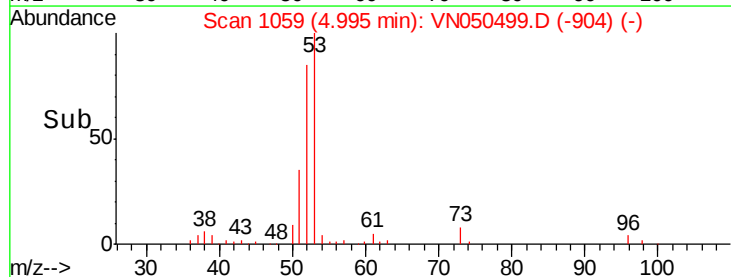
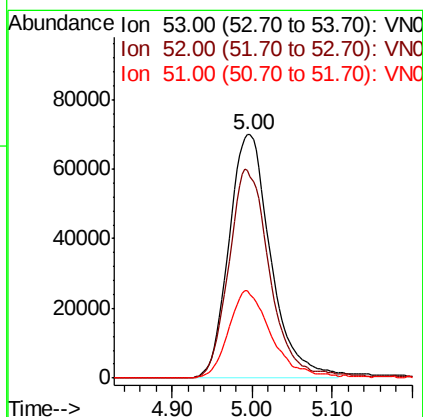
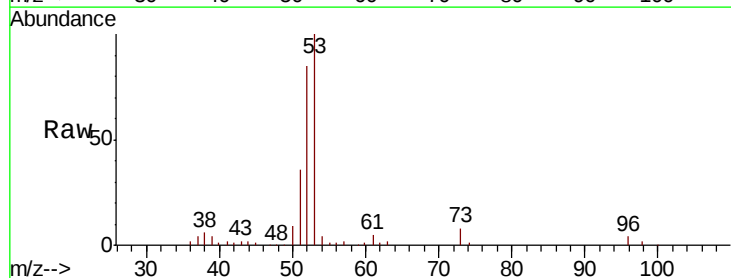
Instrument :
 MSVOA_N
 ClientSampleId :

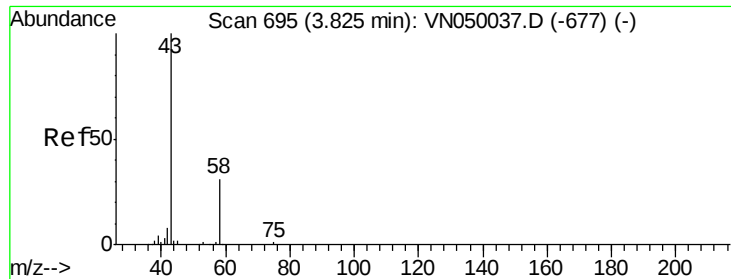
Tot Ion: 56 Resp: 40239
 Ion Ratio Lower Upper
 56 100
 55 73.1 58.6 88.0



#14
 Acrylonitrile
 Concen: 90.47 ug/l
 RT: 5.00 min Scan# 1059
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 53 Resp: 248934
 Ion Ratio Lower Upper
 53 100
 52 82.7 41.5 124.5
 51 36.7 18.7 56.1





#15

Acetone

Concen: 104.06 ug/l

RT: 3.82 min Scan# 694

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

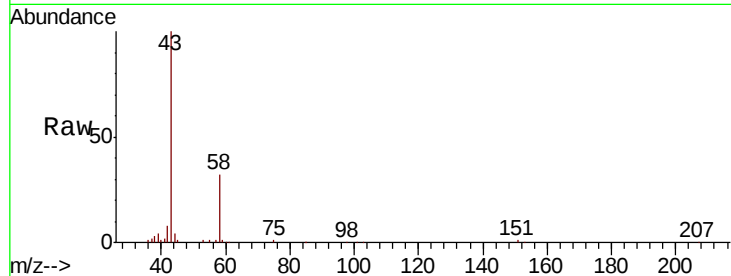
ClientSampled :

Tot Ion: 58 Resp: 76090

Ion Ratio Lower Upper

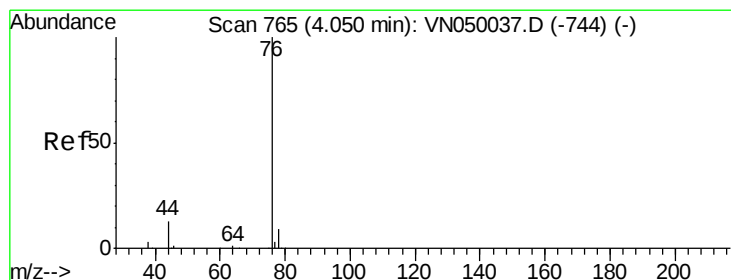
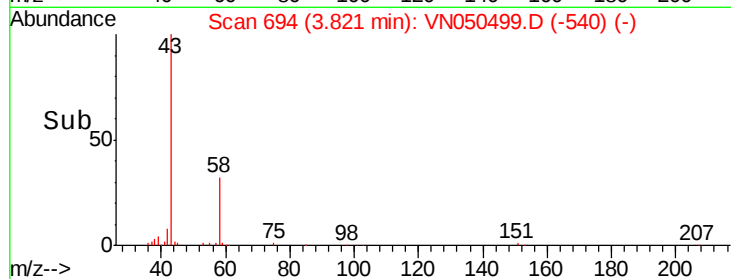
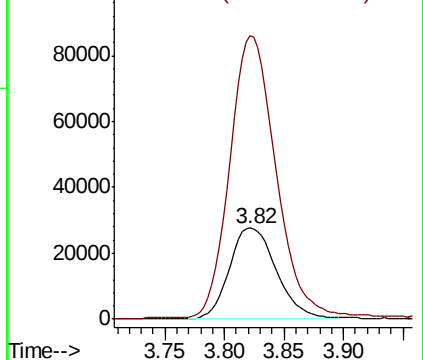
58 100

43 308.1 252.0 378.0



Abundance Ion 58.00 (57.70 to 58.70): VN0

Ion 43.00 (42.70 to 43.70): VN0



#16

Carbon Disulfide

Concen: 17.91 ug/l

RT: 4.05 min Scan# 766

Delta R.T. 0.00 min

Lab File: VN050499.D

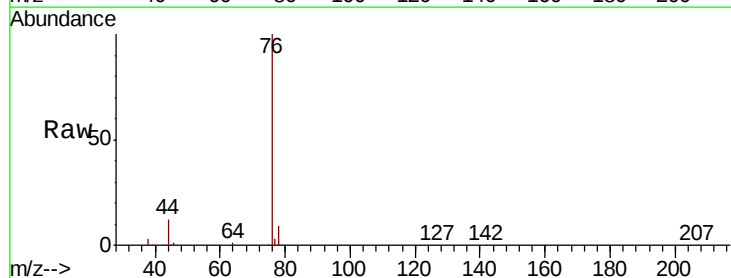
Acq: 9 Aug 2018 21:13

Tgt Ion: 76 Resp: 394577

Ion Ratio Lower Upper

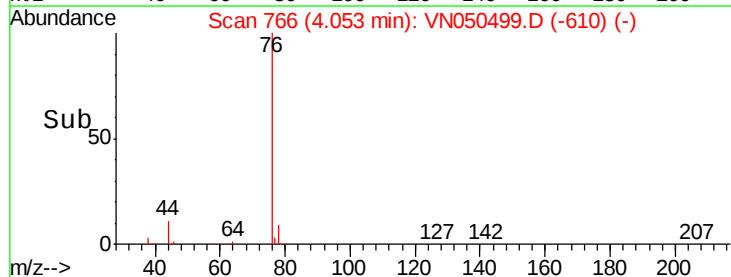
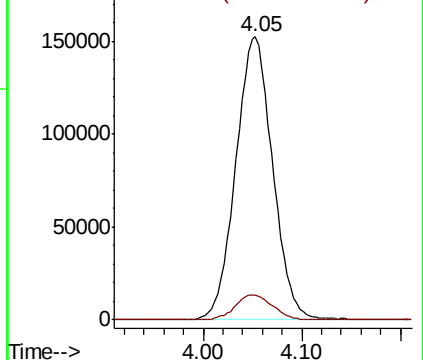
76 100

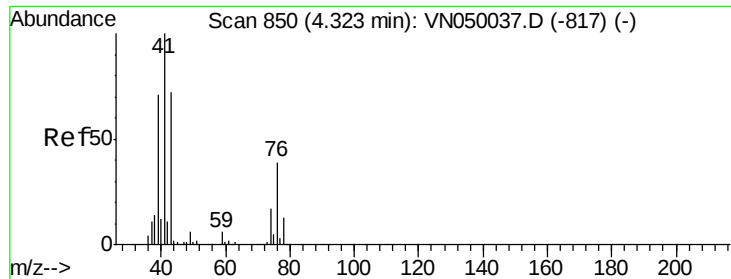
78 8.6 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0

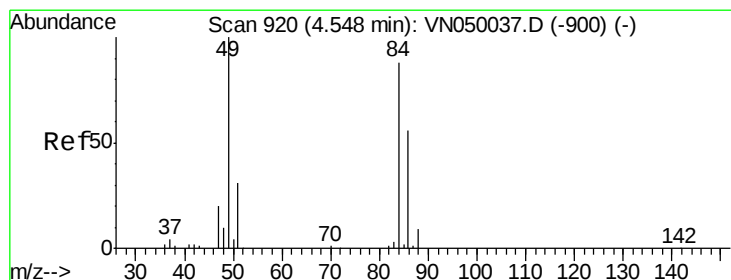
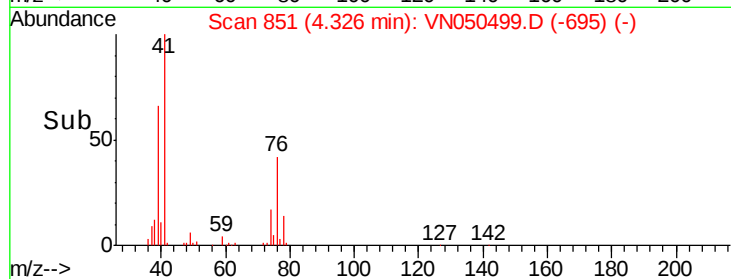
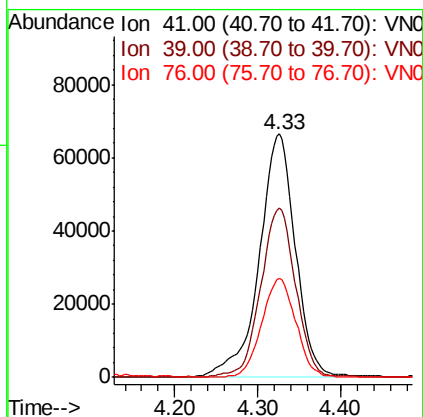
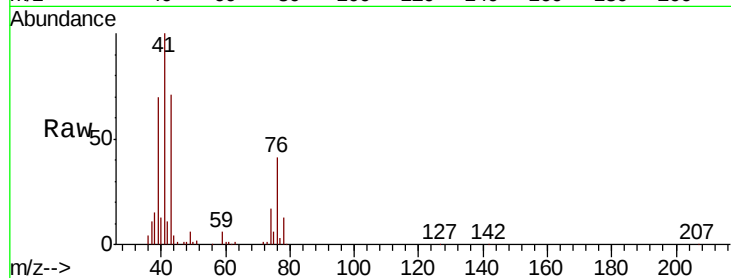




#17
Allvl chloride
Concen: 17.75 ug/l
RT: 4.33 min Scan# 851
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

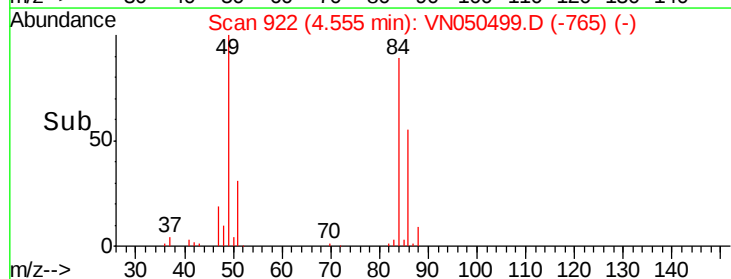
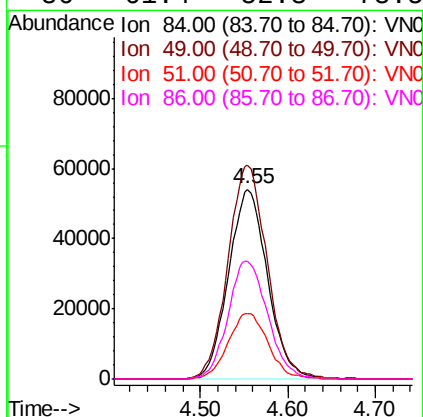
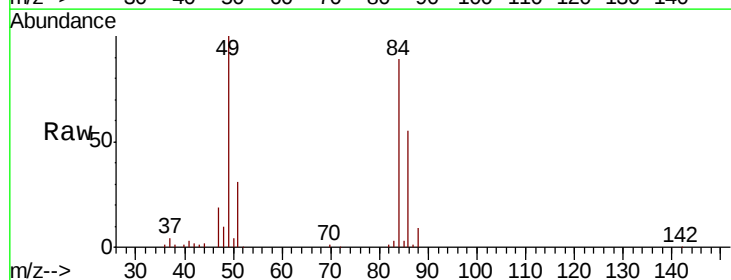
Instrument :
MSVOA_N
ClientSampled :

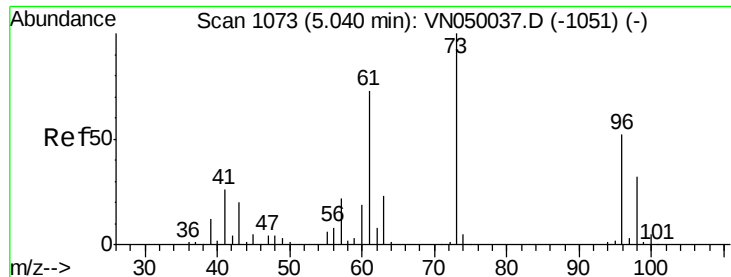
Tot Ion: 41 Resp: 201743
Ion Ratio Lower Upper
41 100
39 69.5 35.4 106.3
76 40.4 19.7 59.1



#18
Methylene Chloride
Concen: 20.16 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.01 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 84 Resp: 167437
Ion Ratio Lower Upper
84 100
49 112.0 95.1 142.7
51 34.4 28.8 43.2
86 61.4 52.3 78.5

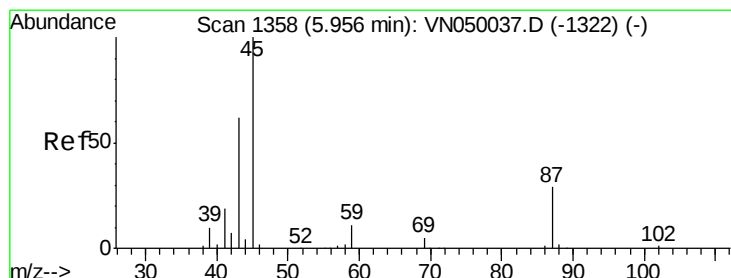
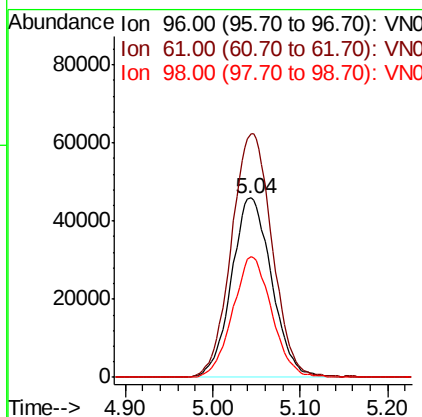
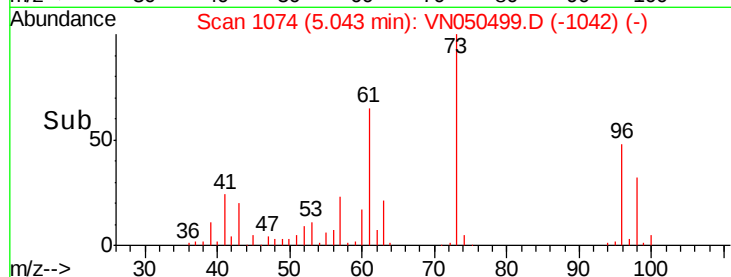
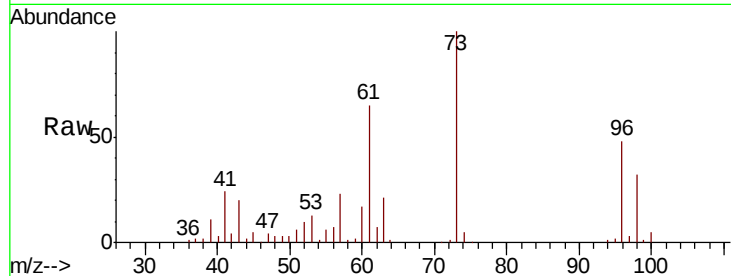




#19
trans-1,2-Dichloroethene
Concen: 19.02 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

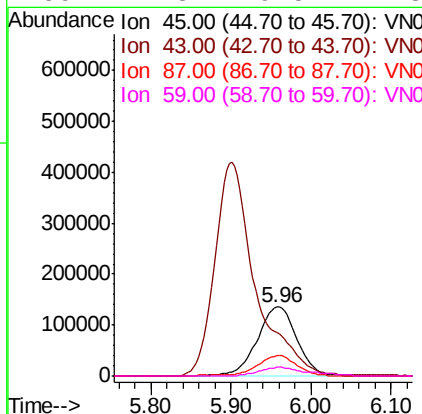
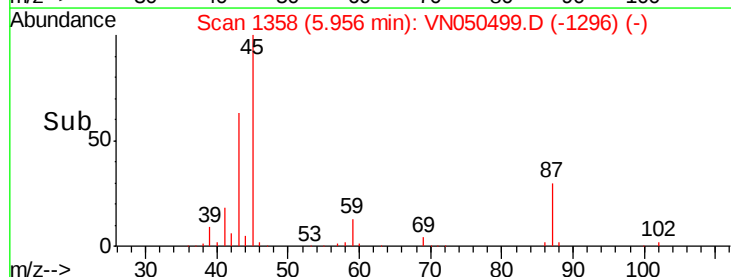
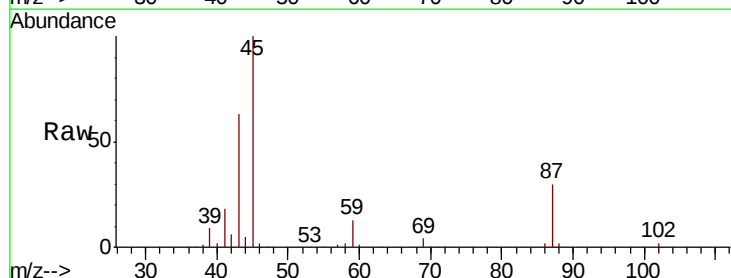
Instrument :
MSVOA_N
ClientSampled :

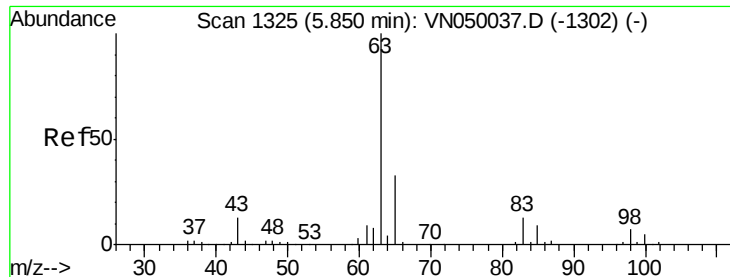
Tot Ion: 96 Resp: 146597
Ion Ratio Lower Upper
96 100
61 135.1 112.1 168.1
98 67.0 51.3 76.9



#20
Diisopropyl ether
Concen: 19.82 ug/l
RT: 5.96 min Scan# 1358
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 45 Resp: 461949
Ion Ratio Lower Upper
45 100
43 60.2 46.6 70.0
87 29.5 22.3 33.5
59 12.3 9.5 14.3

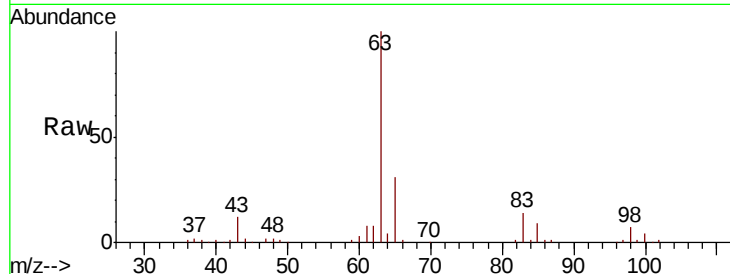




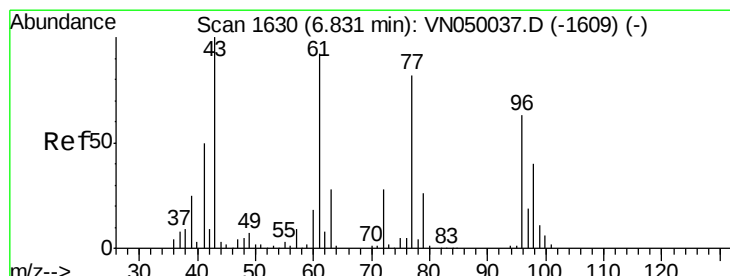
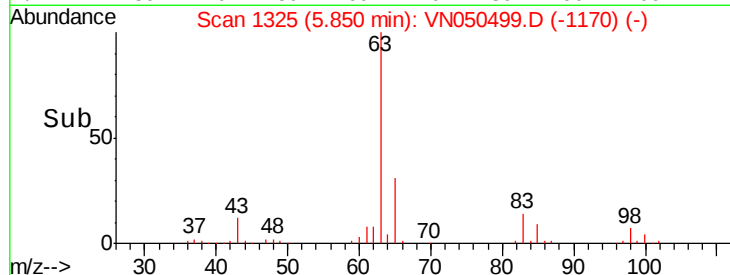
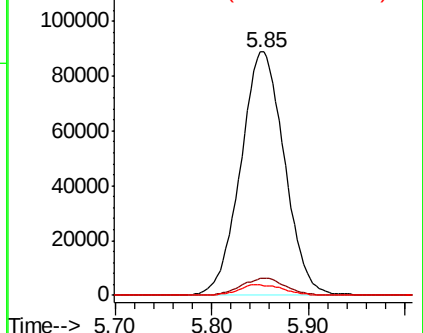
#21
 1,1-Dichloroethane
 Concen: 19.02 ug/l
 RT: 5.85 min Scan# 1325
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 63 Resp: 278722
 Ion Ratio Lower Upper
 63 100
 98 6.9 3.5 10.6
 100 4.2 2.3 6.8

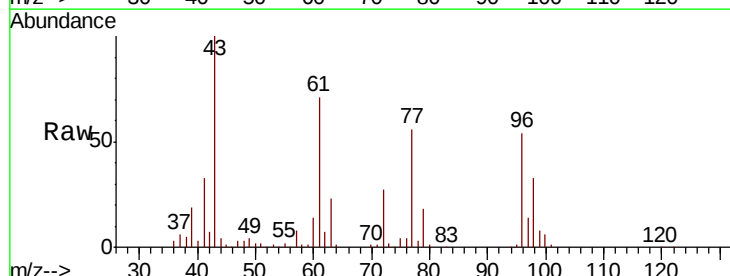


Abundance Ion 63.00 (62.70 to 63.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

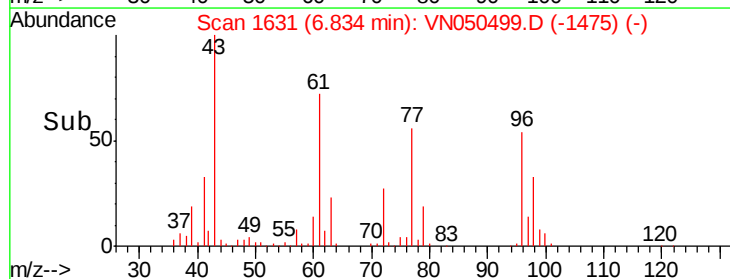
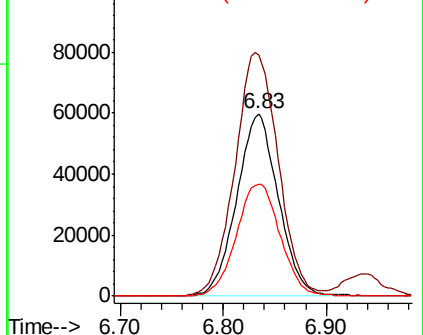


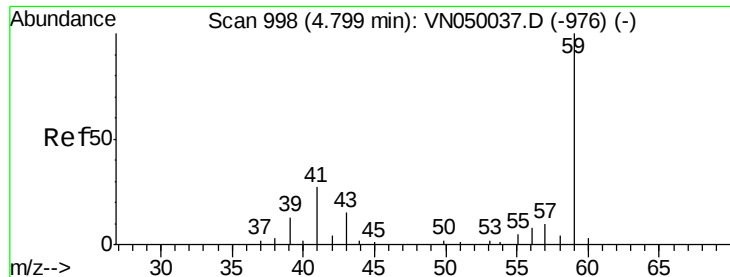
#22
 cis-1,2-Dichloroethene
 Concen: 19.60 ug/l
 RT: 6.83 min Scan# 1631
 Delta R.T. 0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 96 Resp: 167483
 Ion Ratio Lower Upper
 96 100
 61 139.5 114.2 171.2
 98 64.8 51.7 77.5



Abundance Ion 96.00 (95.70 to 96.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 98.00 (97.70 to 98.70): VN0





#23

tert-Butyl Alcohol

Concen: 85.13 ug/l

RT: 4.80 min Scan# 998

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

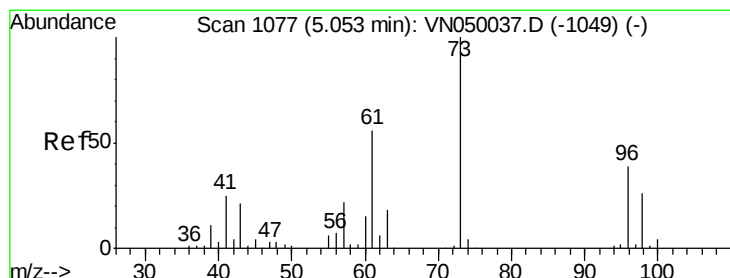
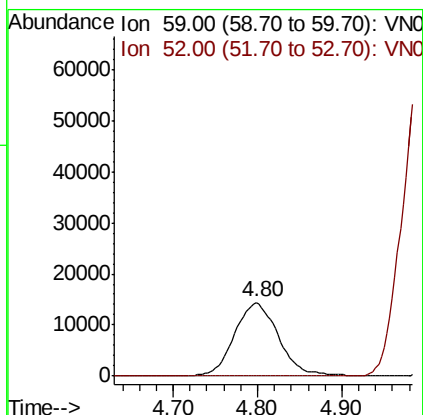
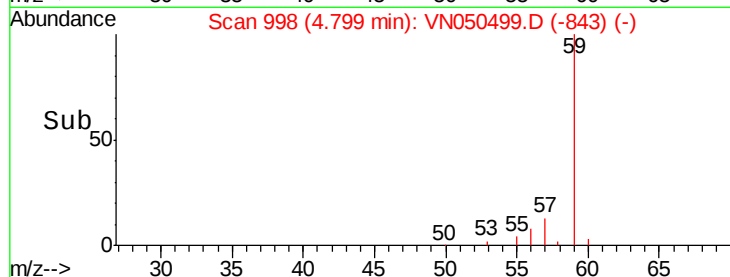
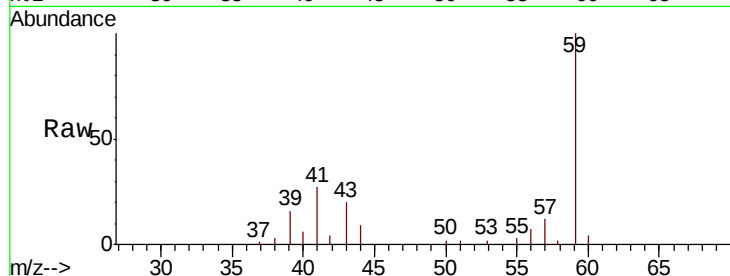
ClientSampleId :

Tot Ion: 59 Resp: 52336

Ion Ratio Lower Upper

59 100

52 0.0 0.1 0.1#



#24

Methyl tert-Butyl Ether

Concen: 19.12 ug/l

RT: 5.05 min Scan# 1077

Delta R.T. -0.00 min

Lab File: VN050499.D

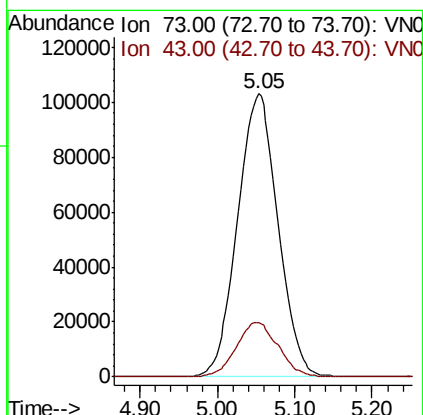
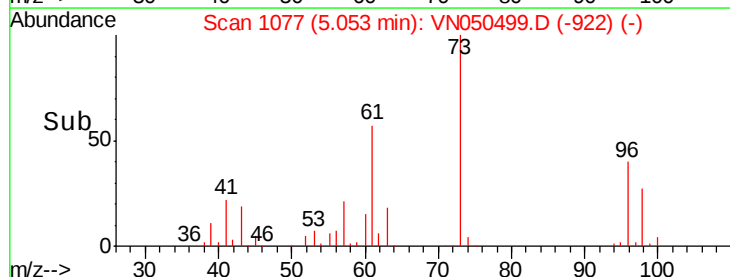
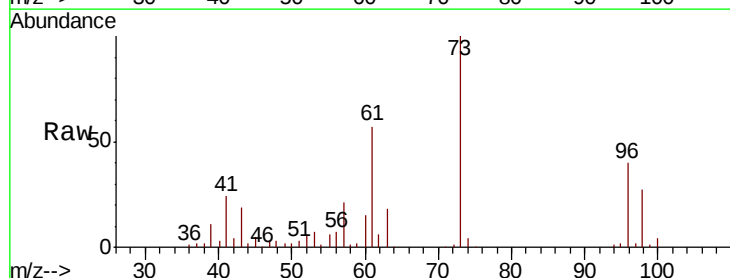
Acq: 9 Aug 2018 21:13

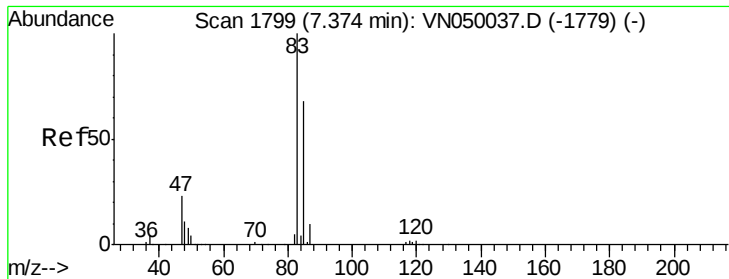
Tgt Ion: 73 Resp: 375399

Ion Ratio Lower Upper

73 100

43 19.9 15.5 23.3

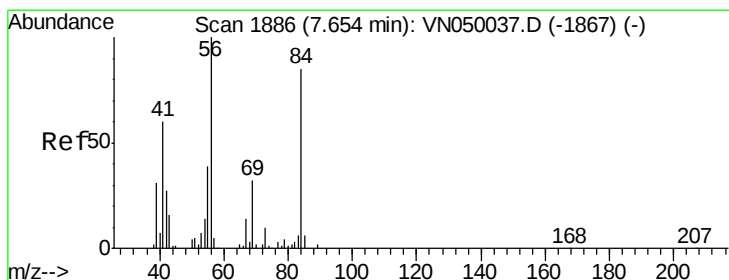
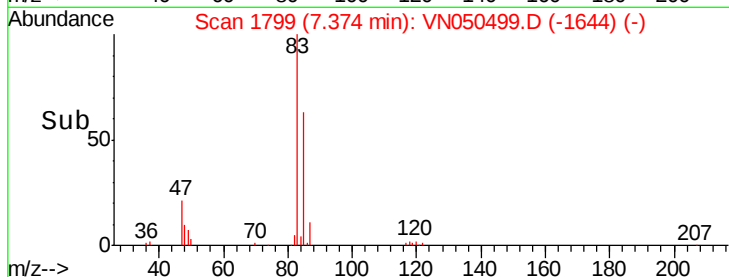
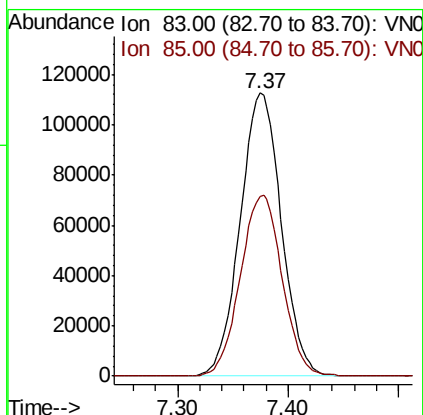
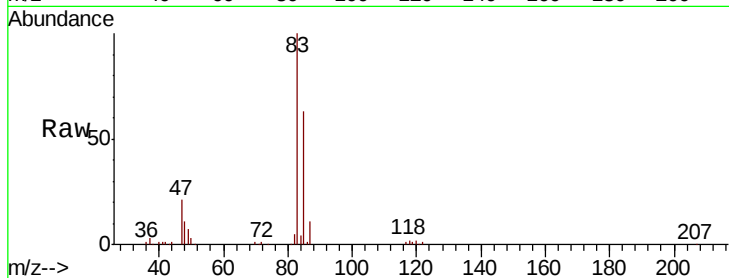




#25
Chloroform
Concen: 19.61 ug/l
RT: 7.37 min Scan# 1799
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

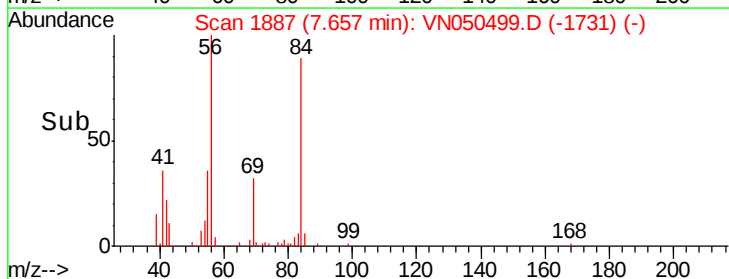
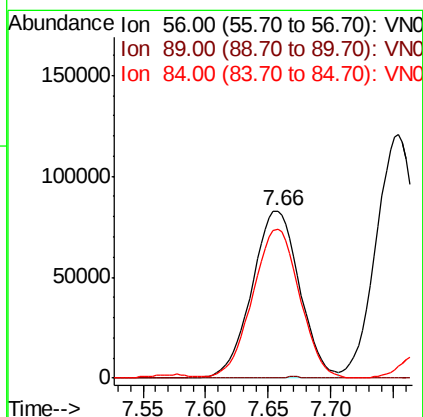
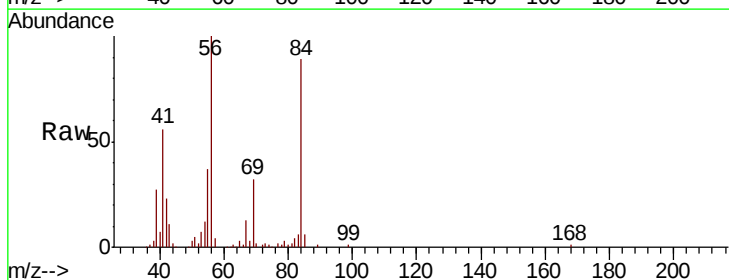
Instrument :
MSVOA_N
ClientSampled :

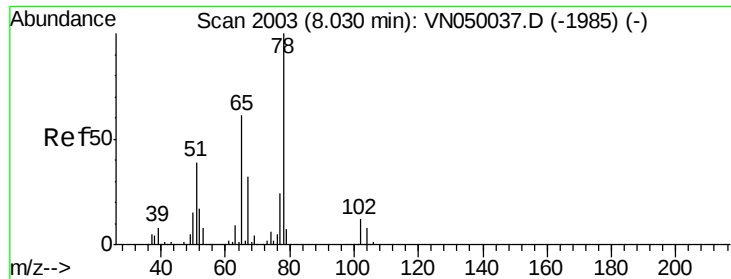
Tot Ion: 83 Resp: 290978
Ion Ratio Lower Upper
83 100
85 63.4 52.1 78.1



#26
Cyclohexane
Concen: 18.82 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 56 Resp: 219184
Ion Ratio Lower Upper
56 100
89 0.2 3.0 4.4#
84 88.5 69.8 104.8





#27

1,2-Dichloroethane-d4

Concen: 29.82 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

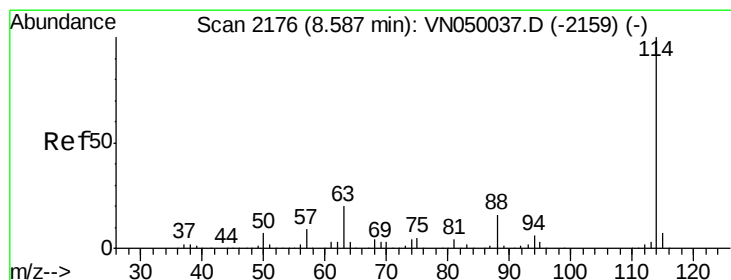
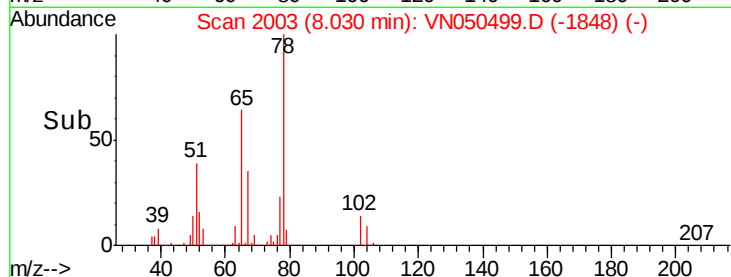
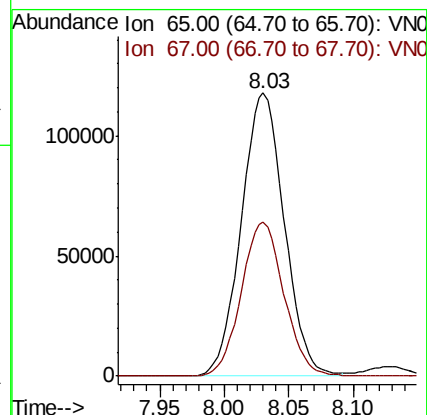
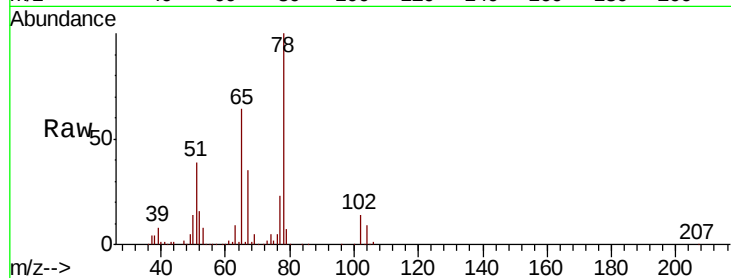
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 273678

Ion Ratio Lower Upper

65 100

67 53.9 42.7 64.1



#28

1,4-Difluorobenzene

Concen: 30.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

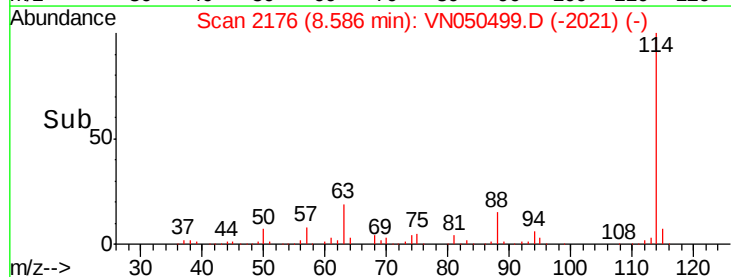
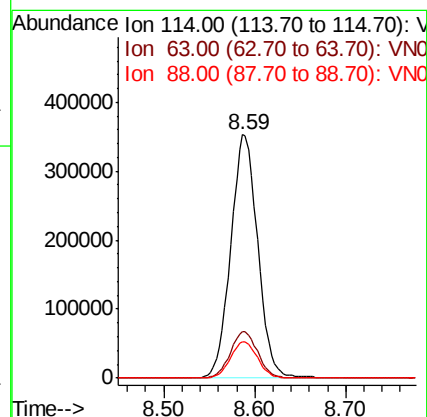
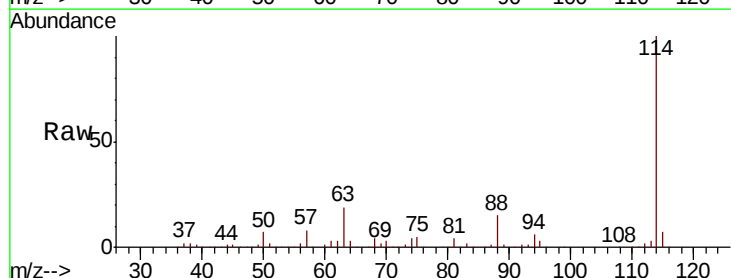
Tgt Ion: 114 Resp: 727618

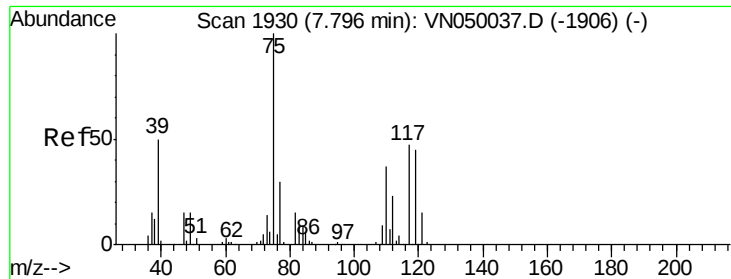
Ion Ratio Lower Upper

114 100

63 19.3 16.2 24.2

88 14.9 12.3 18.5





#29

1,1-Dichloropropene

Concen: 18.64 ug/l

RT: 7.80 min Scan# 1930

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampleId :

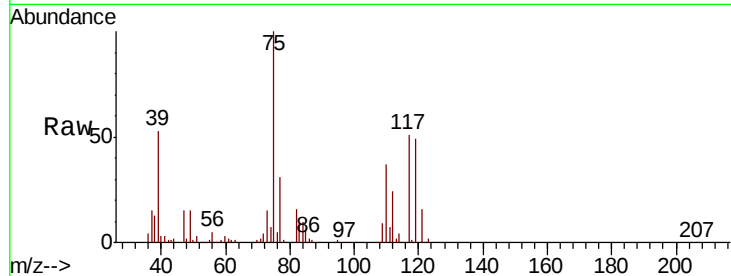
Tot Ion: 75 Resp: 210490

Ion Ratio Lower Upper

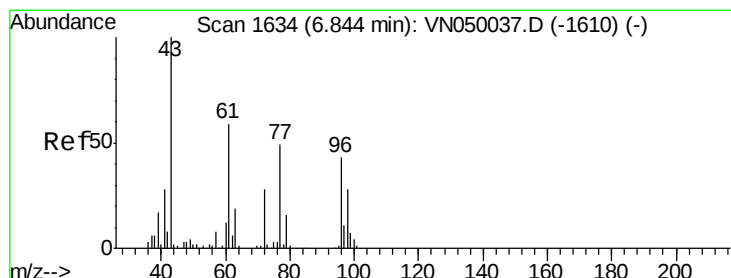
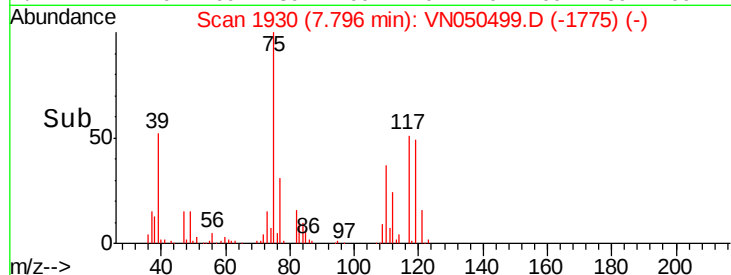
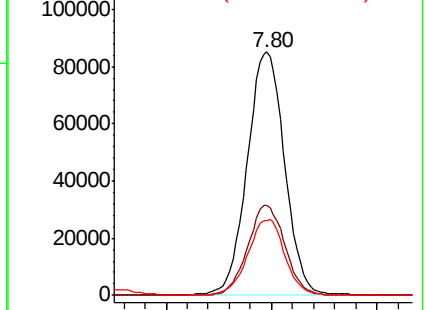
75 100

110 36.7 0.0 73.2

77 30.8 0.0 62.0



Abundance Ion 75.00 (74.70 to 75.70): VN0
Ion 110.00 (109.70 to 110.70): V
Ion 77.00 (76.70 to 77.70): VN0



#30

2-Butanone

Concen: 100.33 ug/l

RT: 6.84 min Scan# 1634

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

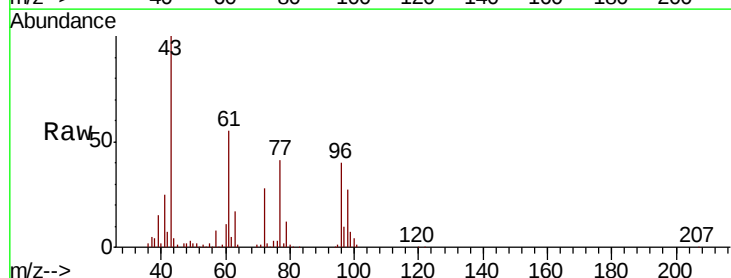
Tgt Ion: 43 Resp: 355512

Ion Ratio Lower Upper

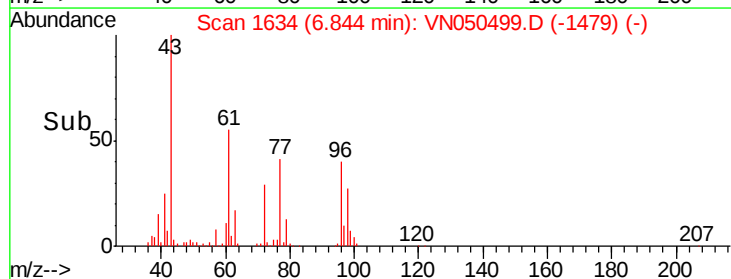
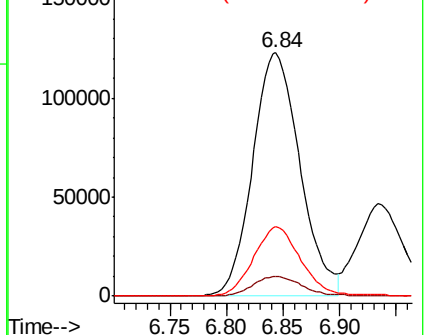
43 100

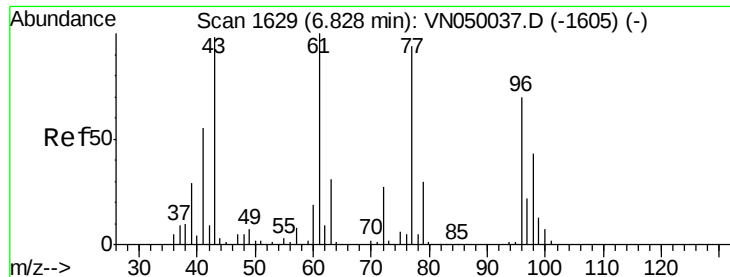
57 8.4 6.8 10.2

72 28.4 21.4 32.0



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 57.00 (56.70 to 57.70): VN0
Ion 72.00 (71.70 to 72.70): VN0





#31

2,2-Dichloropropane

Concen: 16.31 ug/l

RT: 6.83 min Scan# 1629

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

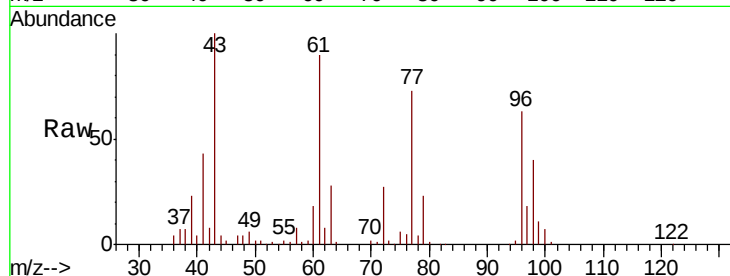
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 77 Resp: 203594

Ion Ratio Lower Upper

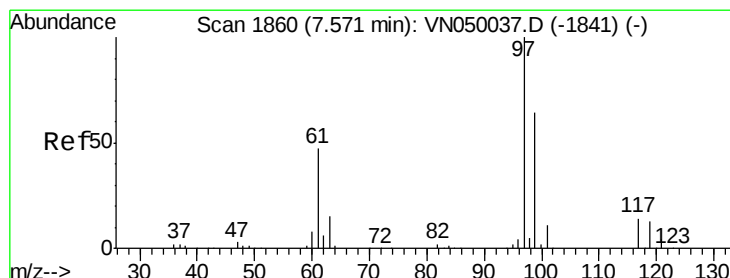
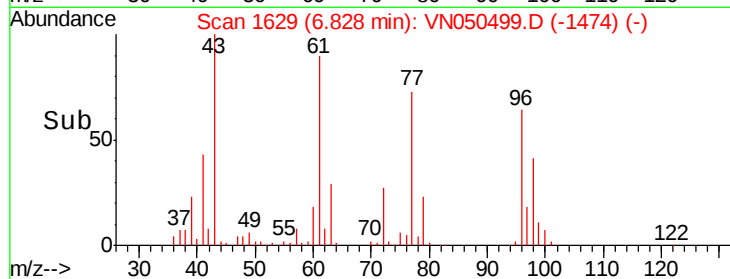
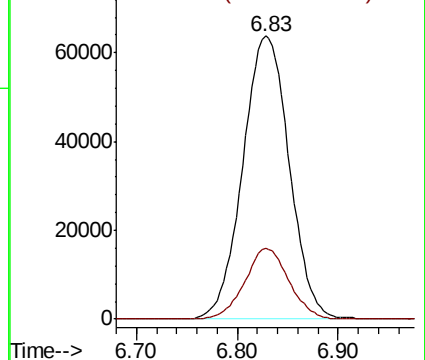
77 100

97 23.8 18.9 28.3



Abundance Ion 77.00 (76.70 to 77.70): VN0

Ion 97.00 (96.70 to 97.70): VN0



#32

1,1,1-Trichloroethane

Concen: 18.47 ug/l

RT: 7.57 min Scan# 1861

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

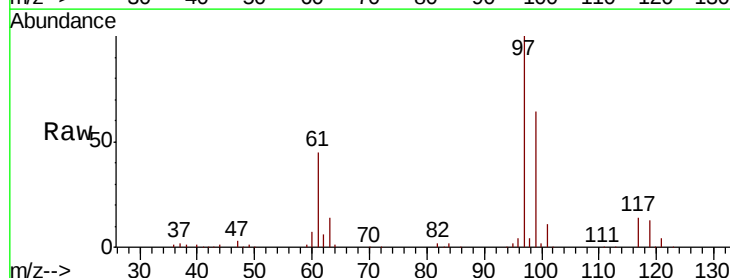
Tgt Ion: 97 Resp: 245517

Ion Ratio Lower Upper

97 100

99 64.3 51.2 76.8

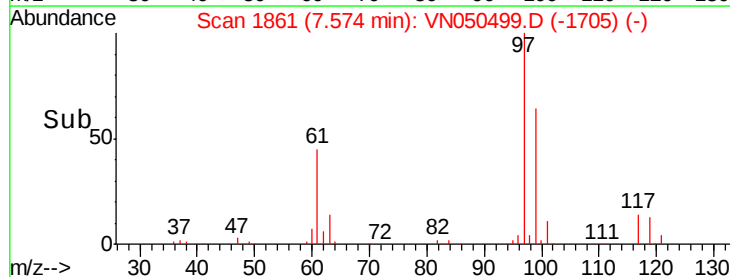
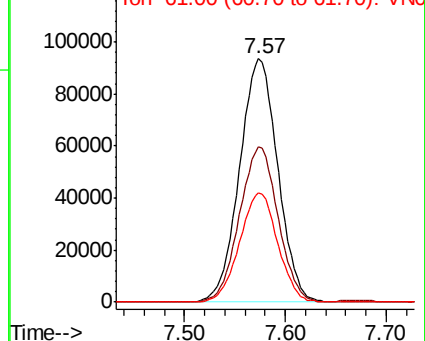
61 44.6 35.3 52.9

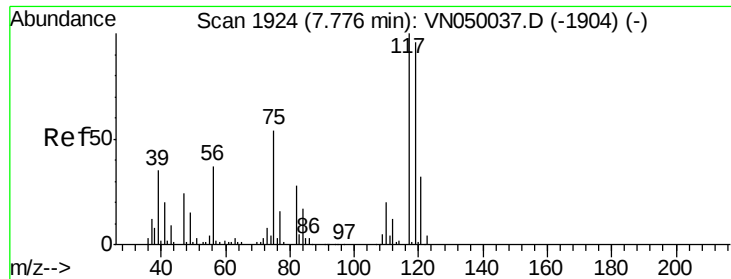


Abundance Ion 97.00 (96.70 to 97.70): VN0

Ion 99.00 (98.70 to 99.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

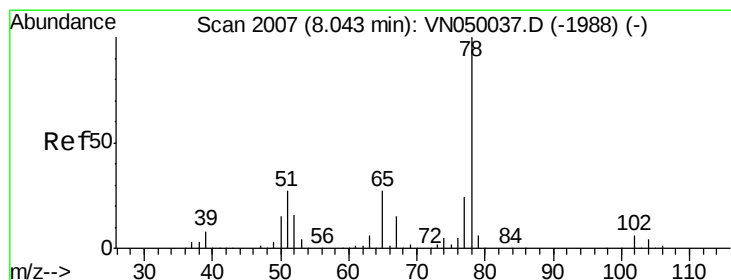
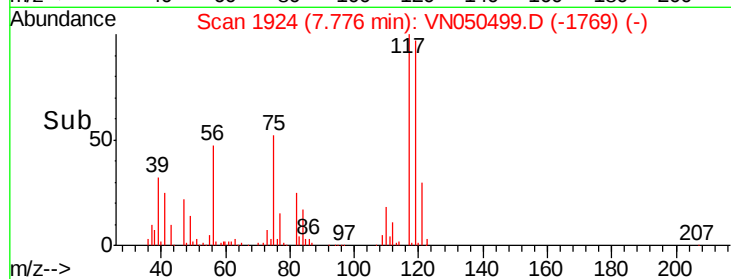
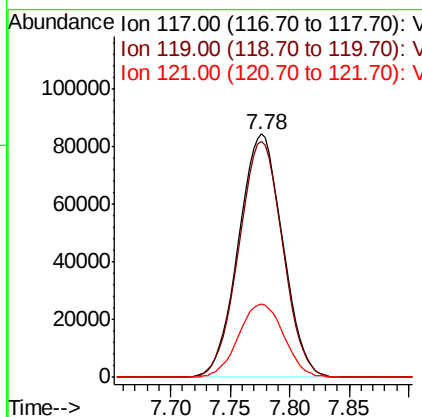
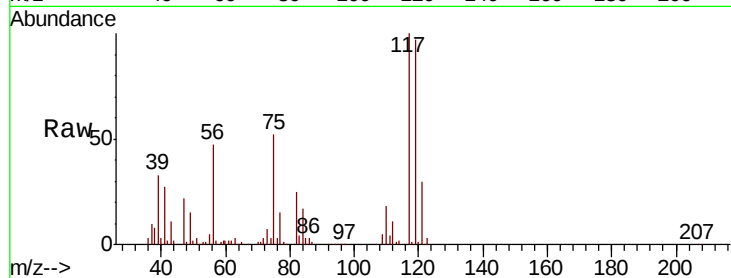




#33
Carbon Tetrachloride
Concen: 18.28 ug/l
RT: 7.78 min Scan# 1924
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

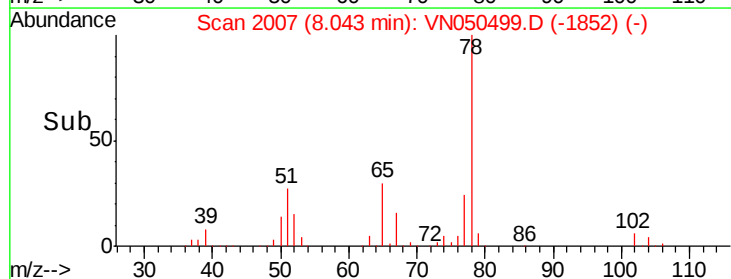
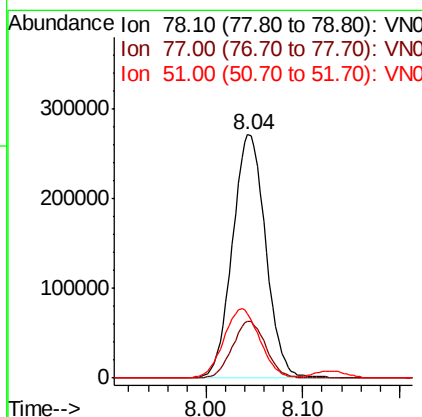
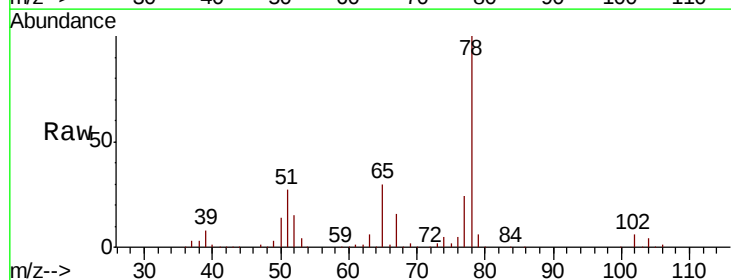
Instrument :
MSVOA_N
ClientSampled :

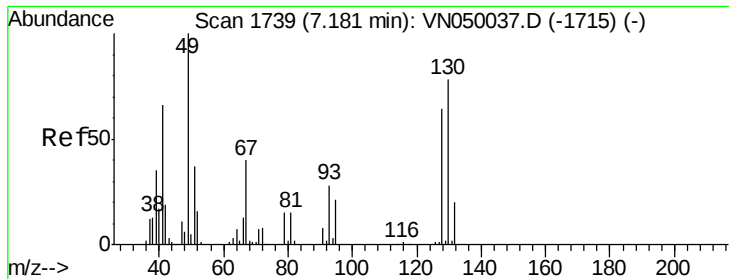
Tot Ion:117 Resp: 216572
Ion Ratio Lower Upper
117 100
119 97.1 76.9 115.3
121 30.3 24.4 36.6



#34
Benzene
Concen: 18.91 ug/l
RT: 8.04 min Scan# 2007
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 78 Resp: 648617
Ion Ratio Lower Upper
78 100
77 23.5 19.1 28.7
51 26.4 21.0 31.4

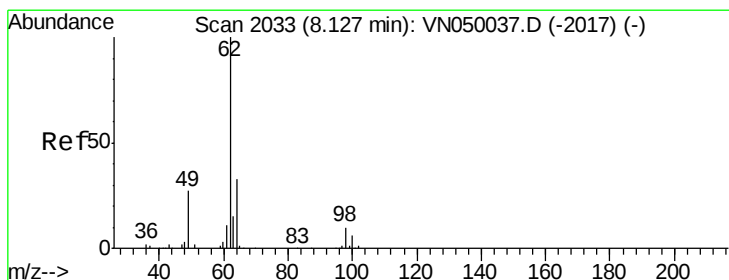
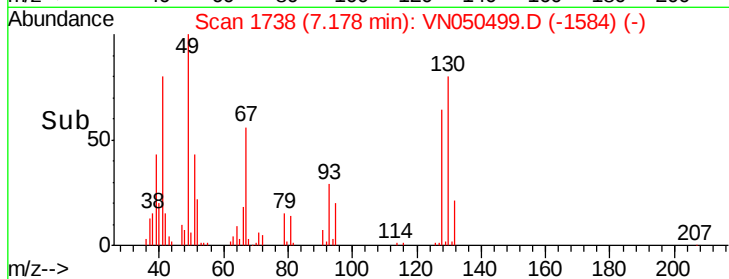
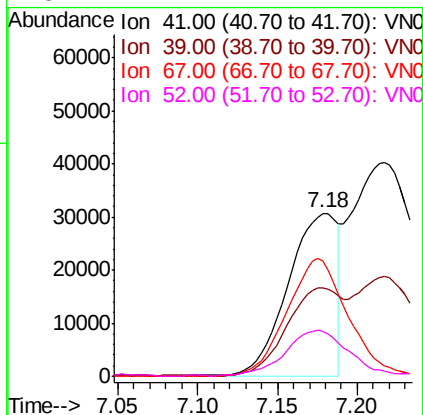
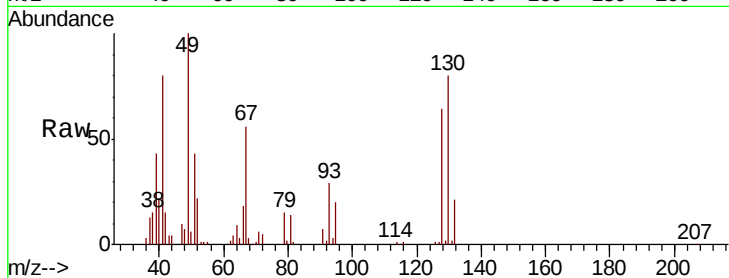




#35
Methacrylonitrile
Concen: 16.50 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

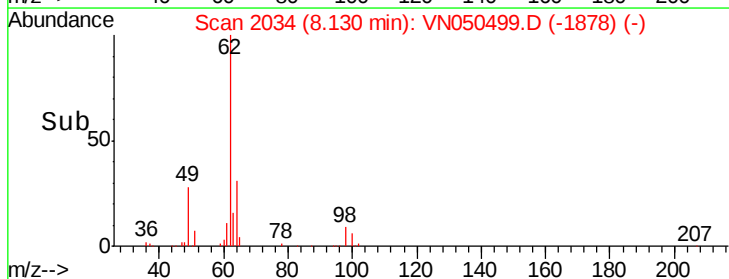
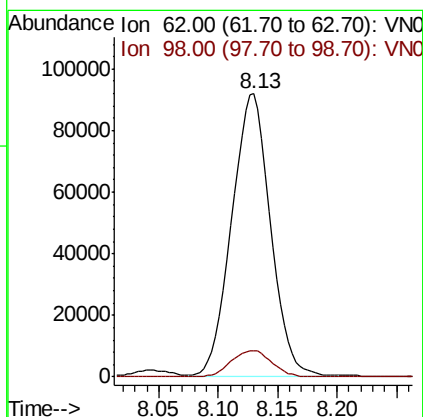
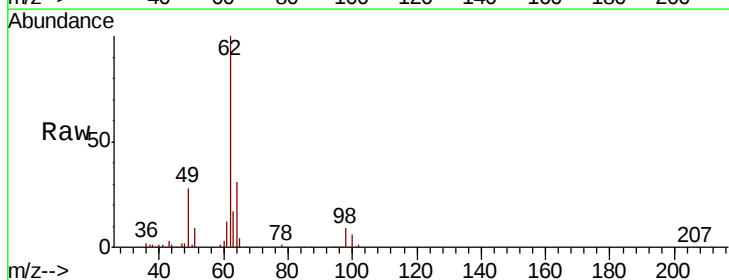
Instrument :
MSVOA_N
ClientSampled :

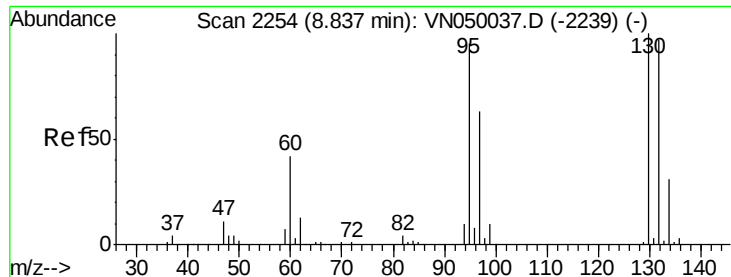
Tot Ion:	41	Resp:	66560
Ion	Ratio	Lower	Upper
41	100		
39	53.3	27.6	82.7
67	70.9	35.1	105.5
52	27.1	14.1	42.4



#36
1,2-Dichloroethane
Concen: 18.52 ug/l
RT: 8.13 min Scan# 2034
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion:	62	Resp:	208537
Ion	Ratio	Lower	Upper
62	100		
98	9.7	7.8	11.6

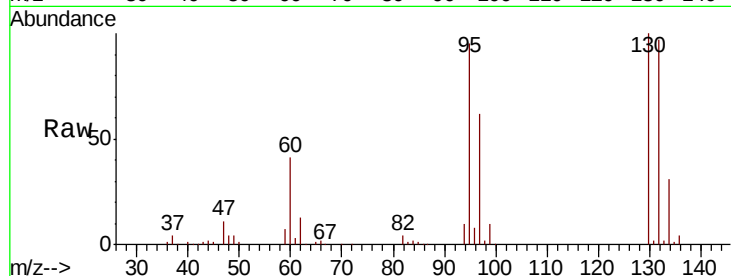




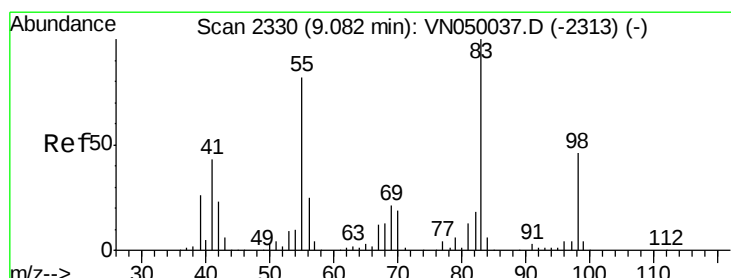
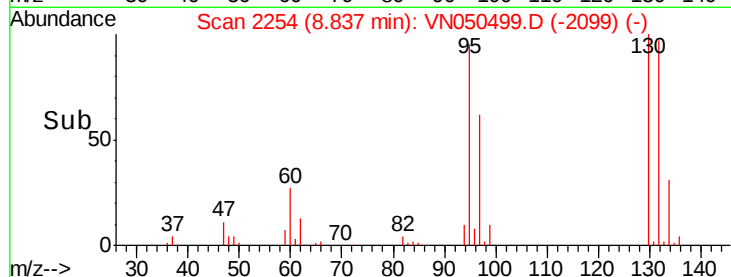
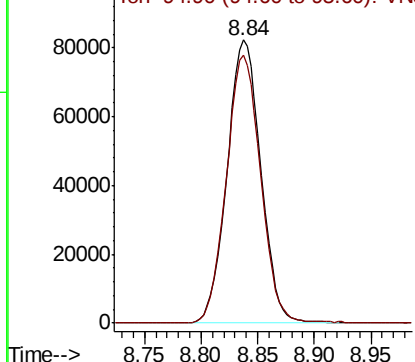
#37
 Trichloroethene
 Concen: 18.98 ug/l
 RT: 8.84 min Scan# 2254
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:130 Resp: 170719
 Ion Ratio Lower Upper
 130 100
 95 94.7 79.7 119.5

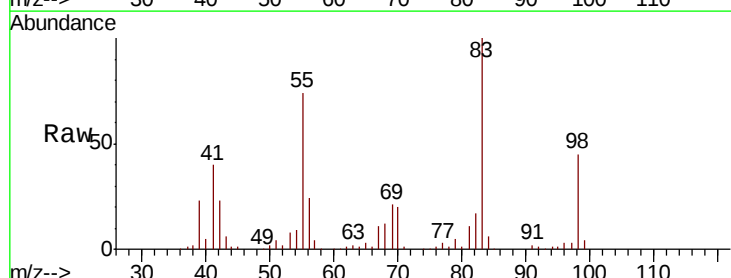


Abundance Ion 129.90 (129.60 to 130.60): V
 Ion 94.90 (94.60 to 95.60): VN

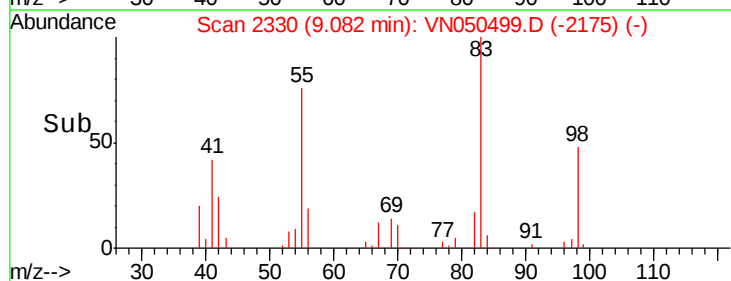
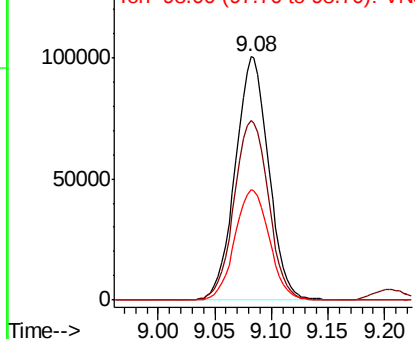


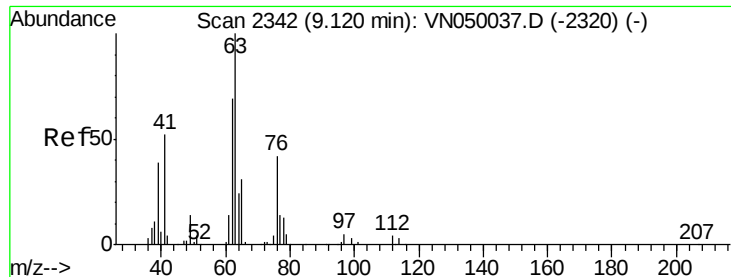
#38
 Methylcyclohexane
 Concen: 17.31 ug/l
 RT: 9.08 min Scan# 2330
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 83 Resp: 206016
 Ion Ratio Lower Upper
 83 100
 55 76.1 39.3 117.8
 98 46.8 23.0 69.0



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

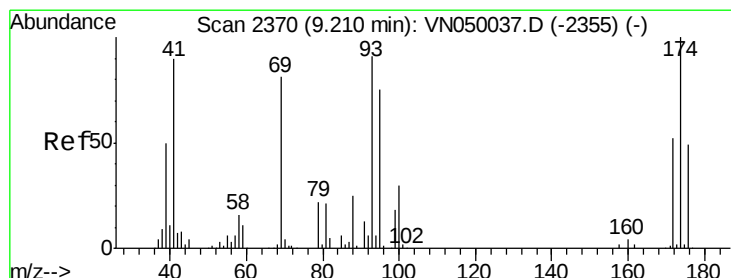
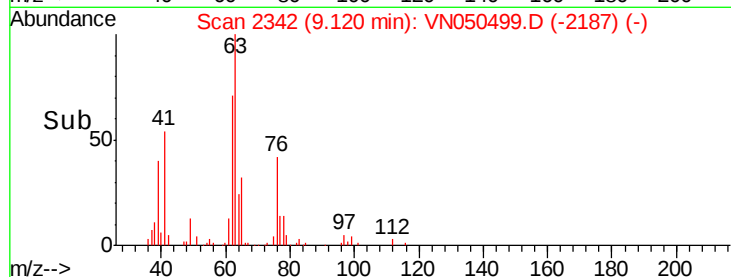
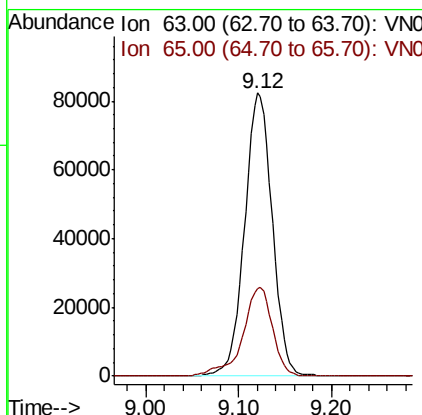
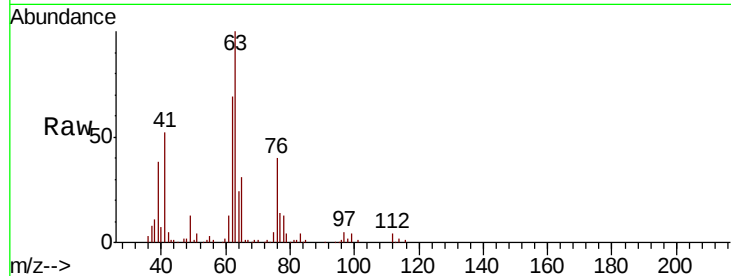




#39
 1,2-Dichloropropane
 Concen: 18.87 ug/l
 RT: 9.12 min Scan# 2342
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

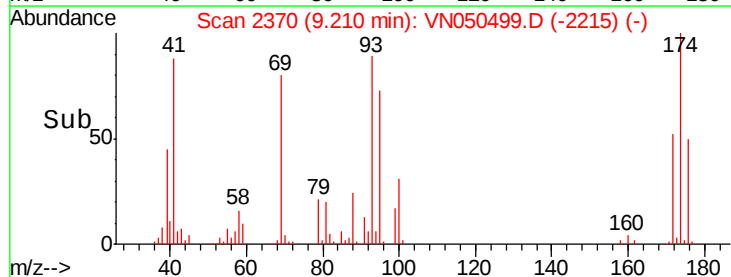
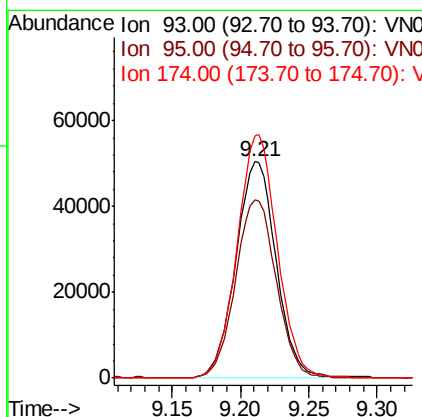
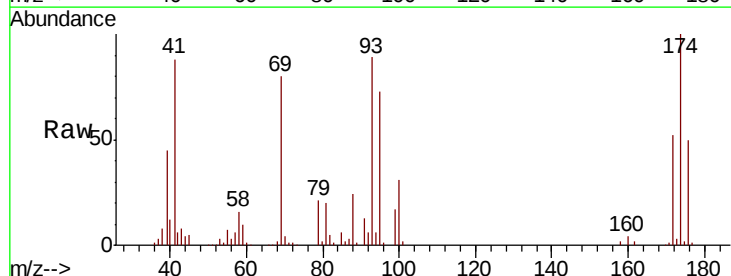
Instrument :
 MSVOA_N
 ClientSampled :

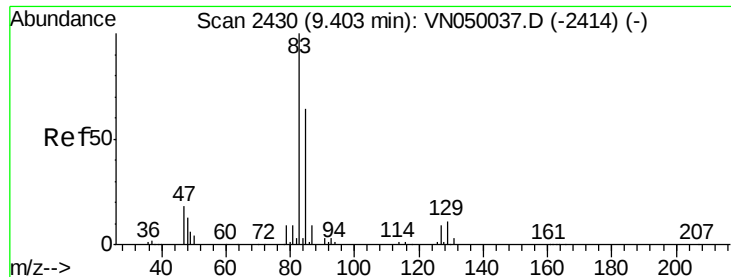
Tot Ion: 63 Resp: 170475
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.2 36.2



#40
 Dibromomethane
 Concen: 18.55 ug/l
 RT: 9.21 min Scan# 2370
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 93 Resp: 103584
 Ion Ratio Lower Upper
 93 100
 95 83.4 0.0 165.6
 174 112.2 0.0 223.2

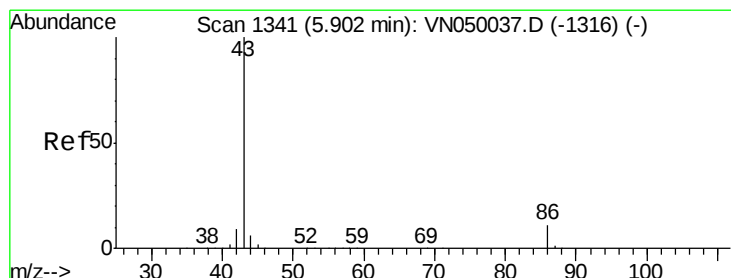
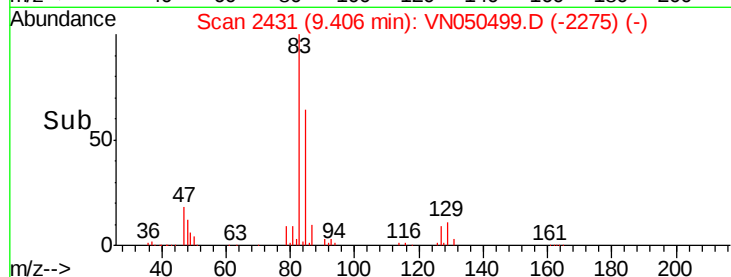
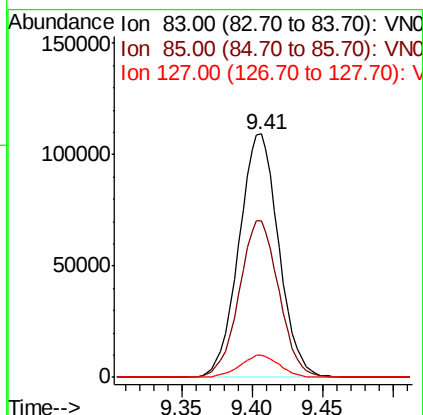
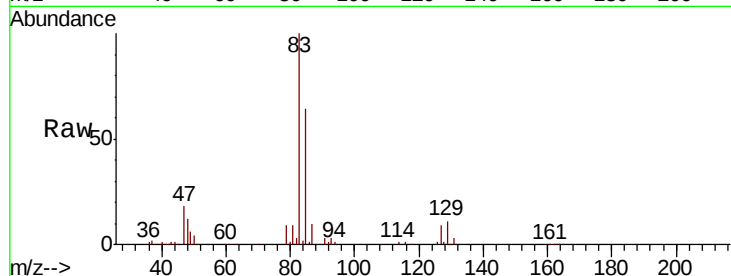




#41
 Bromodichloromethane
 Concen: 18.29 ug/l
 RT: 9.41 min Scan# 2431
 Delta R.T. 0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

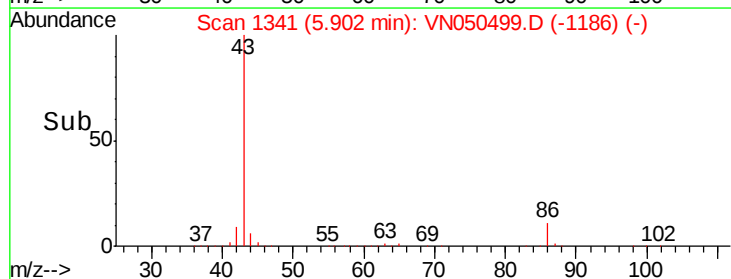
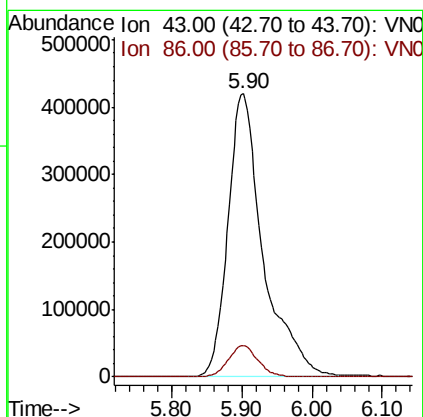
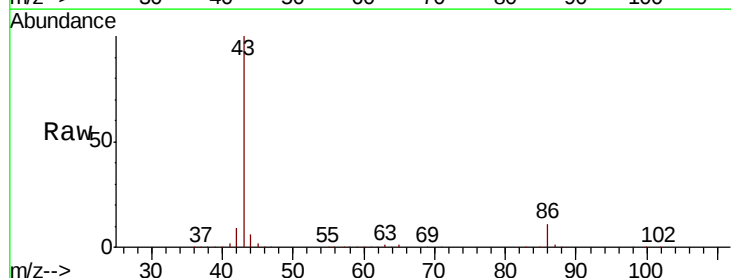
Instrument :
 MSVOA_N
 ClientSampled :

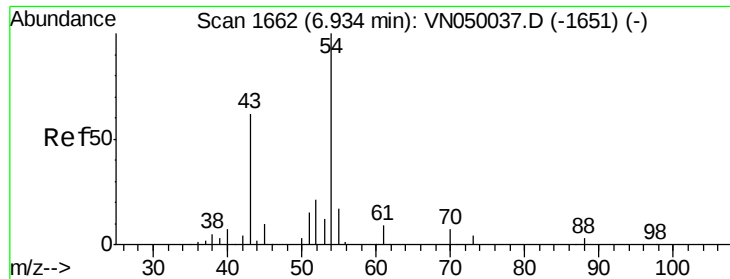
Tot Ion: 83 Resp: 215428
 Ion Ratio Lower Upper
 83 100
 85 64.2 52.6 78.8
 127 9.4 7.0 10.4



#42
 Vinyl Acetate
 Concen: 87.93 ug/l
 RT: 5.90 min Scan# 1341
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 43 Resp: 1466151
 Ion Ratio Lower Upper
 43 100
 86 9.3 7.3 10.9





#43

Ethyl Acetate

Concen: 16.75 ug/l

RT: 6.93 min Scan# 1662

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

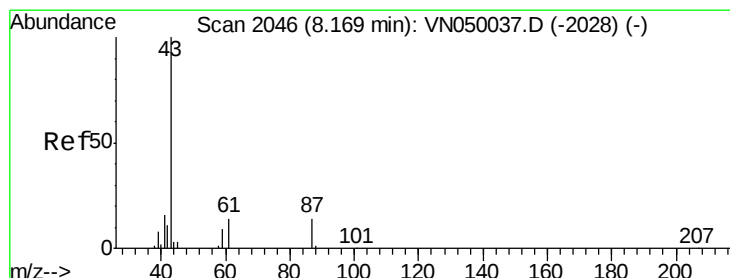
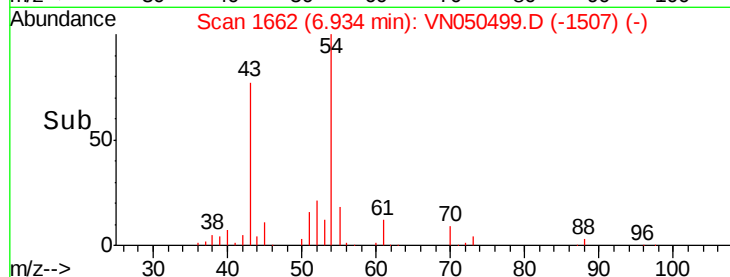
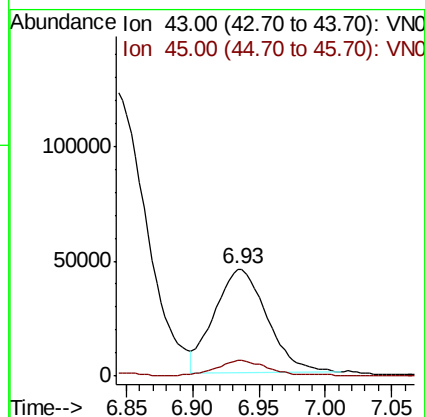
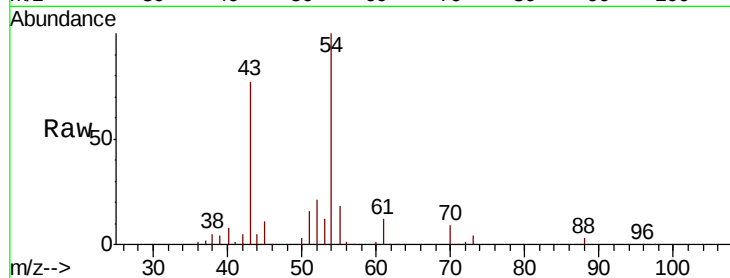
ClientSampled :

Tot Ion: 43 Resp: 123905

Ion Ratio Lower Upper

43 100

45 13.9 13.0 19.6



#44

Isopropyl Acetate

Concen: 17.80 ug/l

RT: 8.17 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VN050499.D

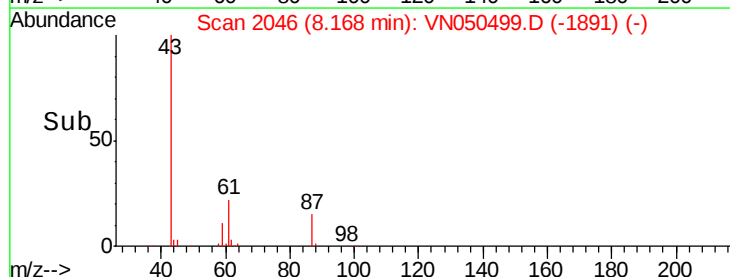
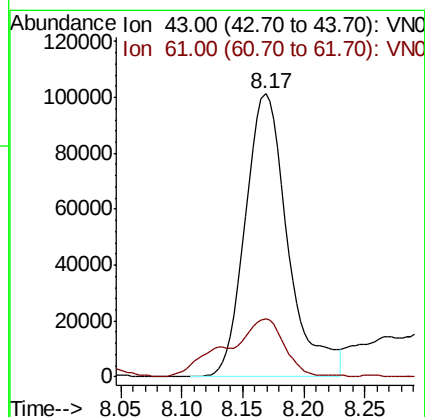
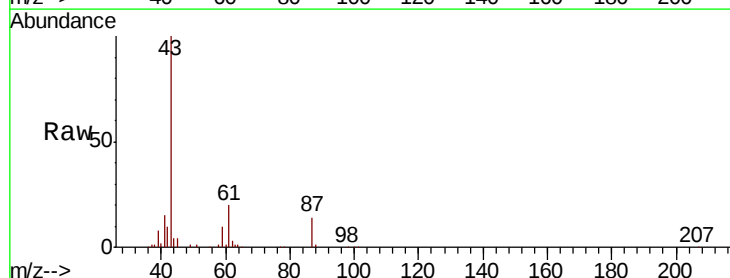
Acq: 9 Aug 2018 21:13

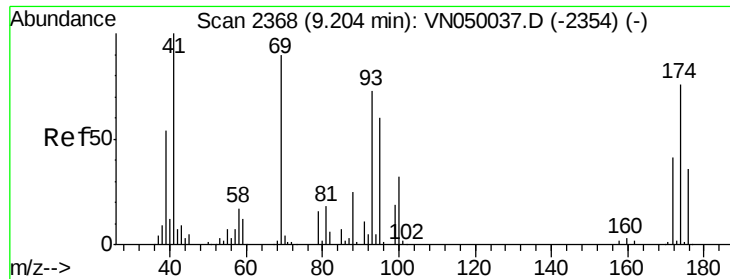
Tgt Ion: 43 Resp: 244032

Ion Ratio Lower Upper

43 100

61 18.1 16.4 24.6

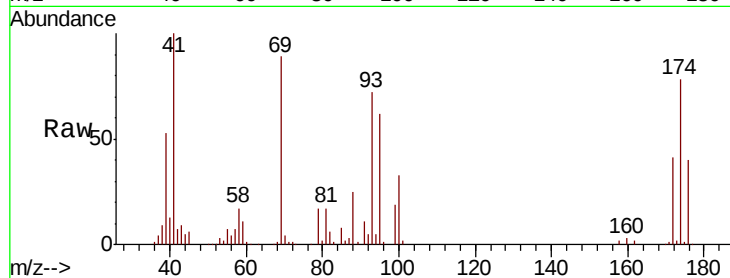




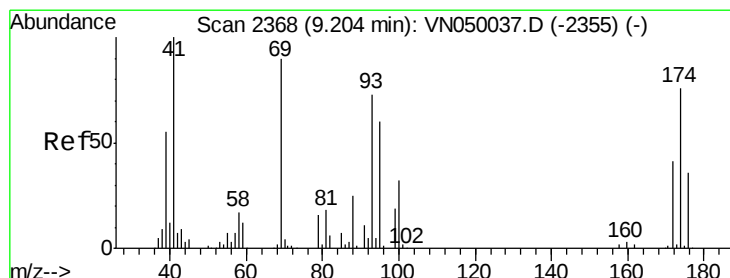
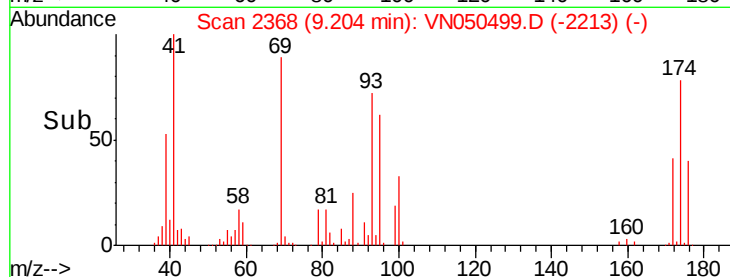
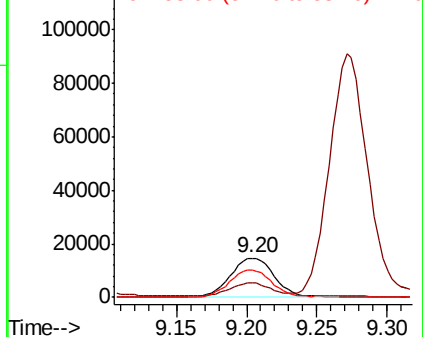
#45
 1,4-Dioxane
 Concen: 356.20 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 88 Resp: 32128
 Ion Ratio Lower Upper
 88 100
 43 31.8 26.9 40.3
 58 67.2 53.6 80.4

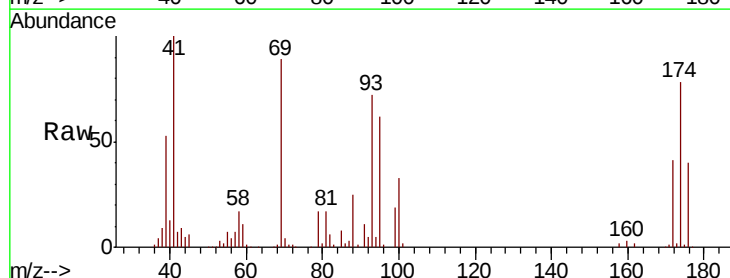


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

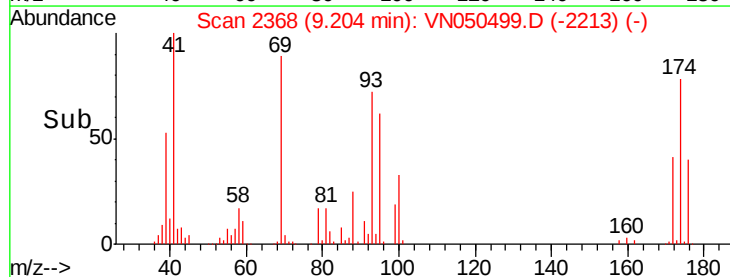
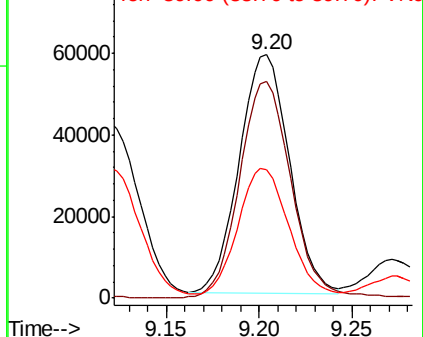


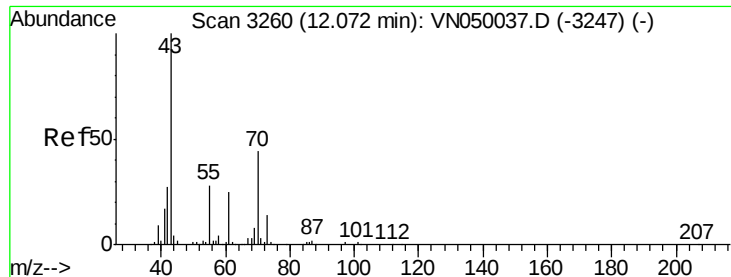
#46
 Methyl methacrylate
 Concen: 16.63 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 41 Resp: 110483
 Ion Ratio Lower Upper
 41 100
 69 90.4 44.0 132.1
 39 52.1 27.0 80.8



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

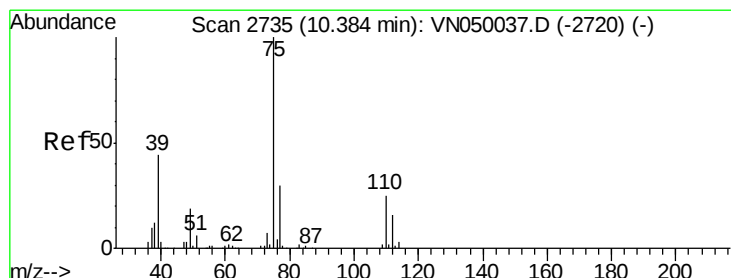
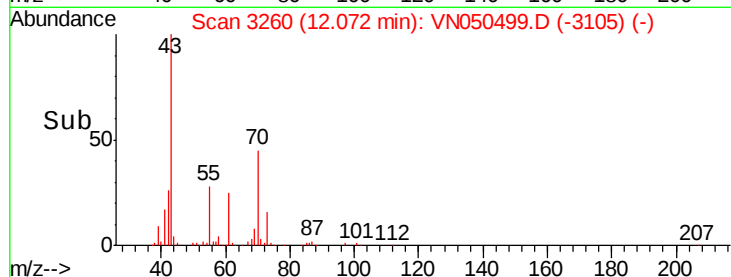
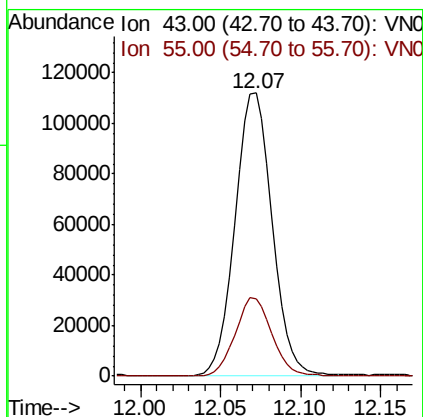
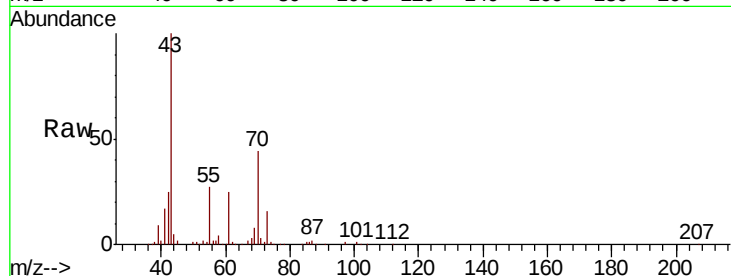




#47
n-amyl Acetate
Concen: 16.46 ug/l
RT: 12.07 min Scan# 3260
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

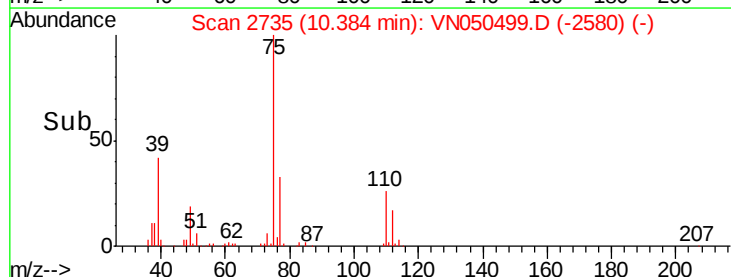
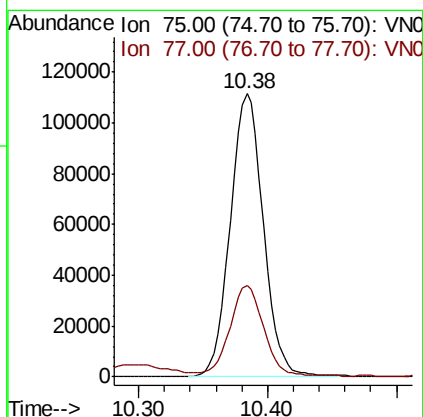
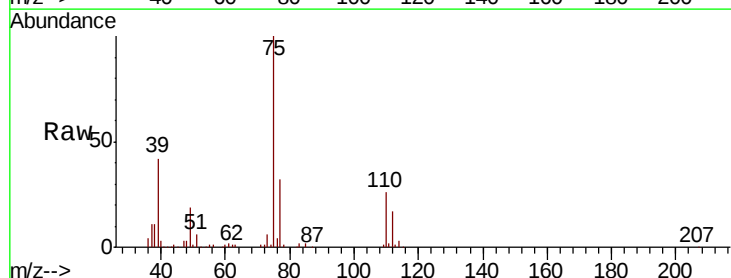
Instrument :
MSVOA_N
ClientSampleId :

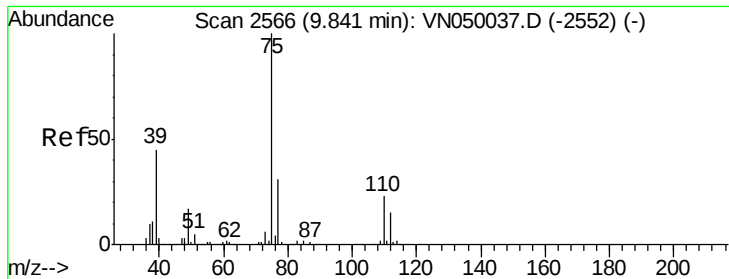
Tot Ion: 43 Resp: 175542
Ion Ratio Lower Upper
43 100
55 27.8 21.0 31.4



#48
t-1,3-Dichloropropene
Concen: 17.72 ug/l
RT: 10.38 min Scan# 2735
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 75 Resp: 198881
Ion Ratio Lower Upper
75 100
77 31.9 24.6 37.0



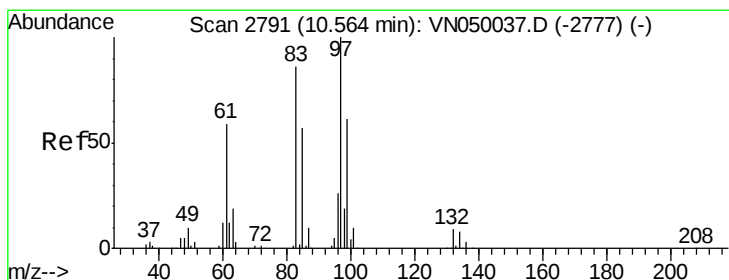
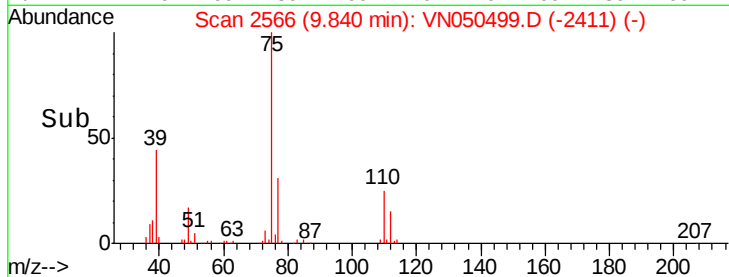
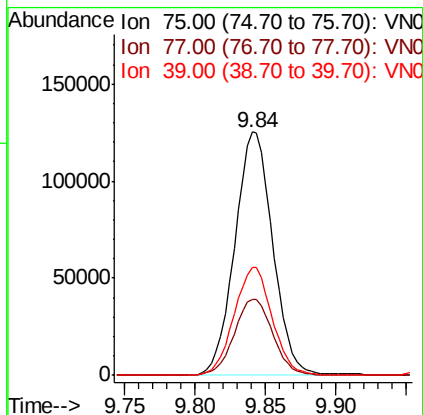
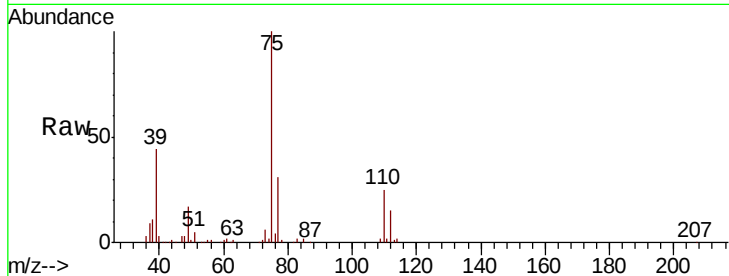


#49

cis-1,3-Dichloropropene
 Concen: 17.93 ug/l
 RT: 9.84 min Scan# 2566
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Instrument :
 MSVOA_N
 ClientSampleId :

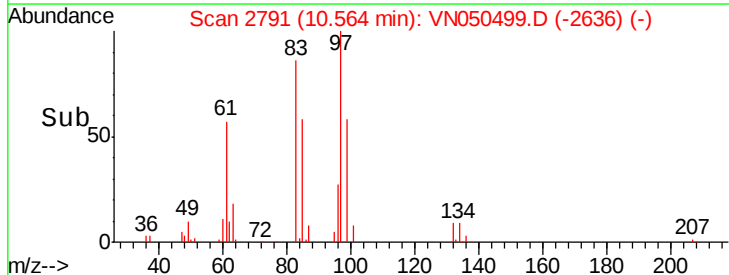
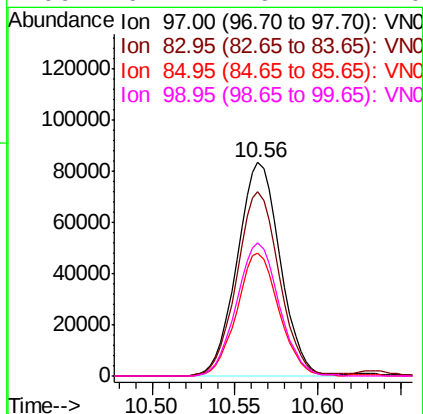
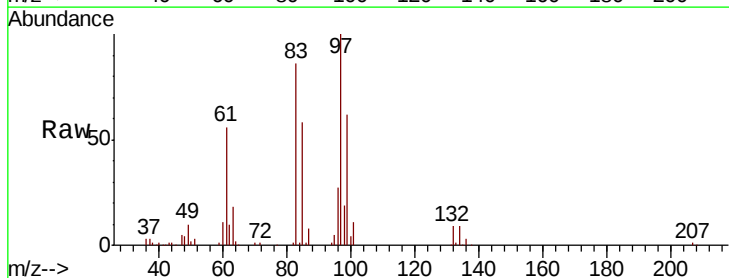
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.4	25.7	38.5
39	44.1	36.3	54.5

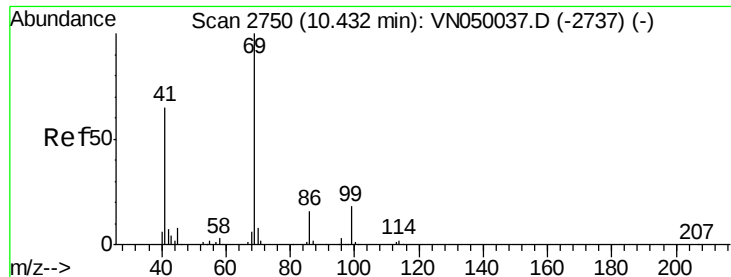


#50

1,1,2-Trichloroethane
 Concen: 18.73 ug/l
 RT: 10.56 min Scan# 2791
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.9	68.1	102.1
85	57.7	45.4	68.2
99	62.2	49.4	74.0





#51

Ethyl methacrylate

Concen: 17.57 ug/l

RT: 10.43 min Scan# 2750

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

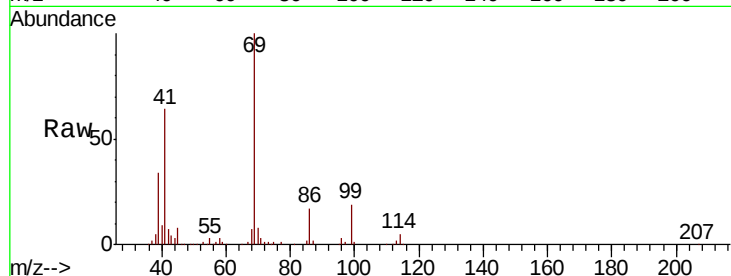
Tot Ion: 69 Resp: 170917

Ion	Ratio	Lower	Upper
69	100		
41	64.0	31.9	95.9
39	33.9	16.7	50.1

69 100

41 64.0 31.9 95.9

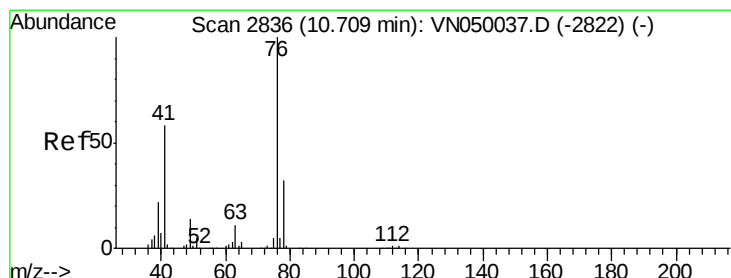
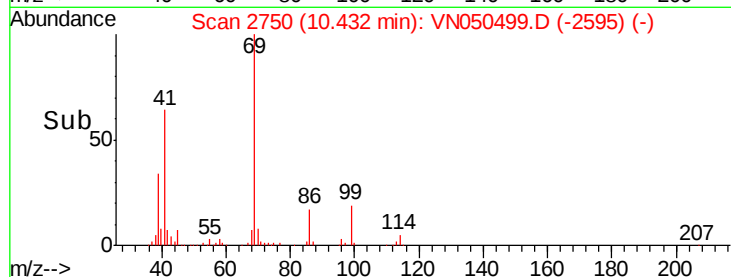
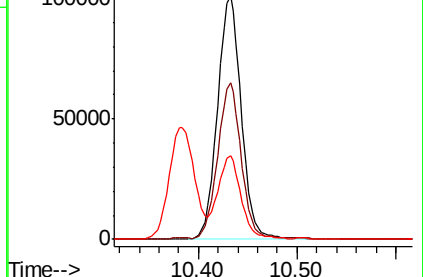
39 33.9 16.7 50.1



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: 18.50 ug/l

RT: 10.71 min Scan# 2836

Delta R.T. -0.00 min

Lab File: VN050499.D

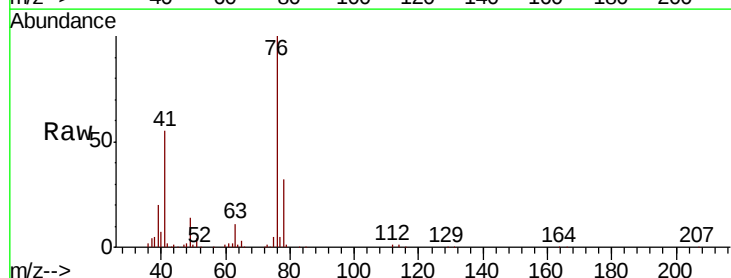
Acq: 9 Aug 2018 21:13

Tgt Ion: 76 Resp: 243481

Ion	Ratio	Lower	Upper
76	100		
78	32.2	0.0	65.6

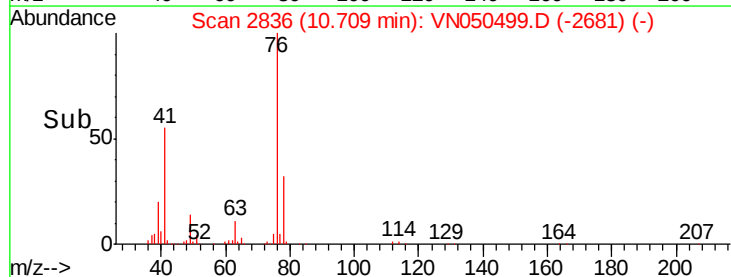
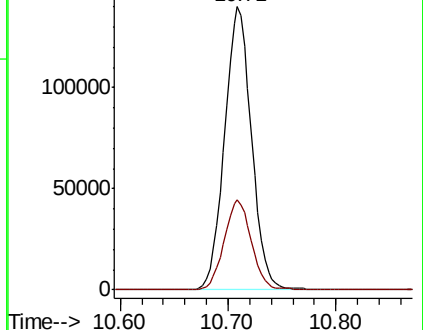
76 100

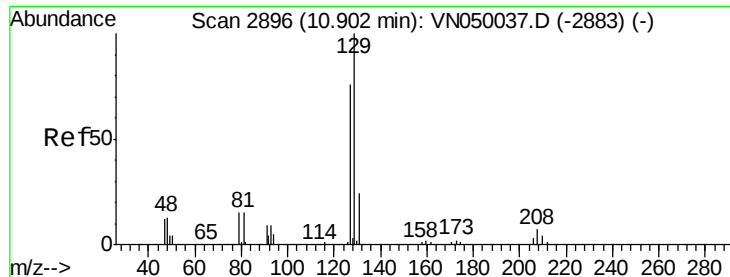
78 32.2 0.0 65.6



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 17.98 ug/l

RT: 10.90 min Scan# 2897

Delta R.T. 0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

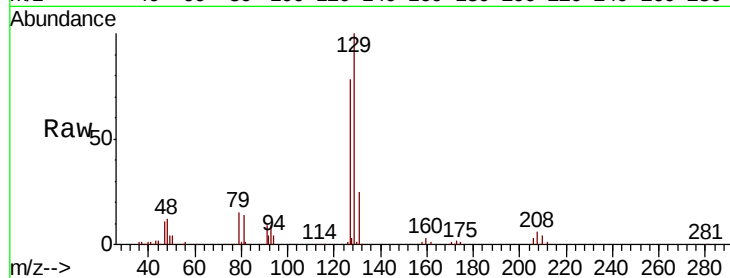
ClientSampleId :

Tot Ion:129 Resp: 163515

Ion Ratio Lower Upper

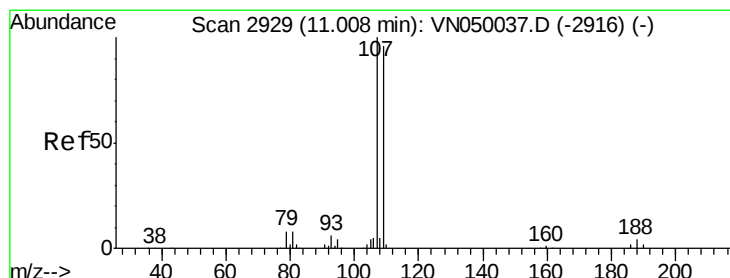
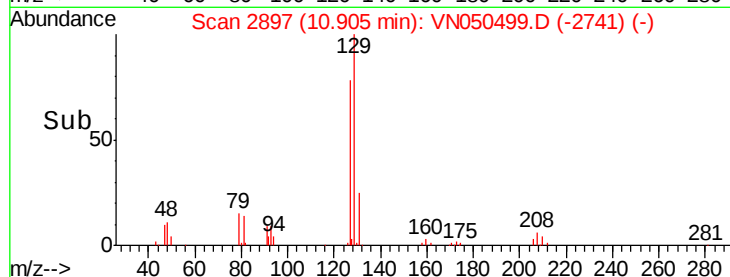
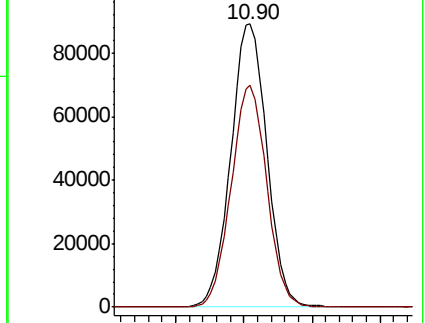
129 100

127 77.4 38.1 114.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#54

1,2-Dibromoethane

Concen: 18.31 ug/l

RT: 11.01 min Scan# 2929

Delta R.T. -0.00 min

Lab File: VN050499.D

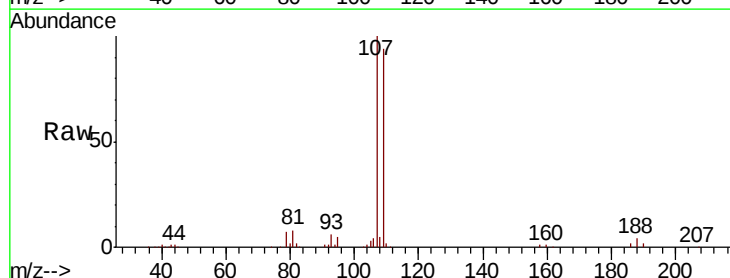
Acq: 9 Aug 2018 21:13

Tgt Ion:107 Resp: 143702

Ion Ratio Lower Upper

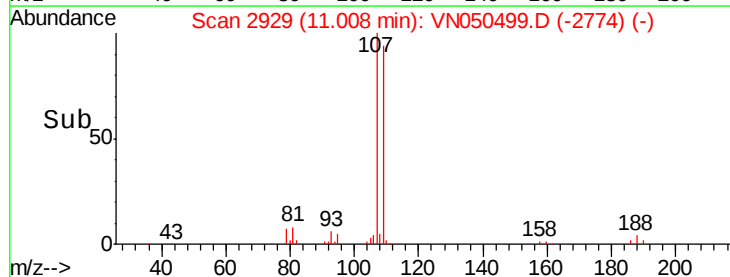
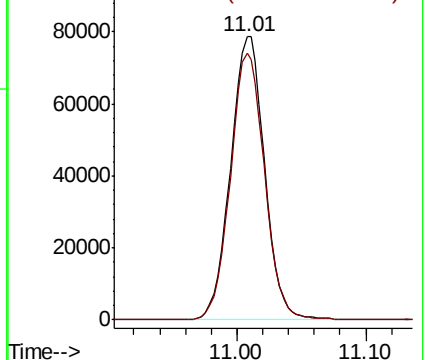
107 100

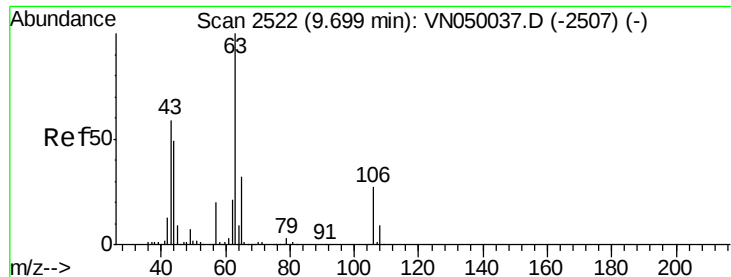
109 94.3 76.2 114.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

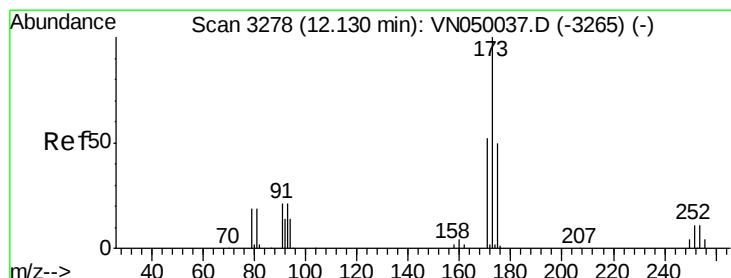
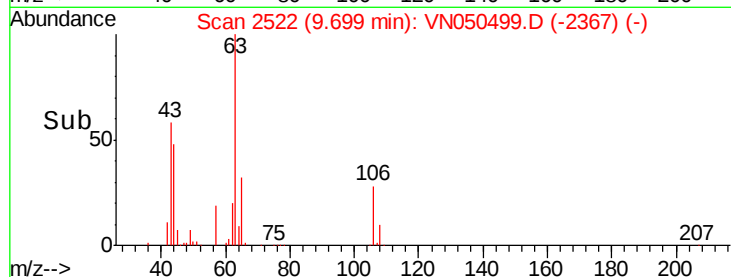
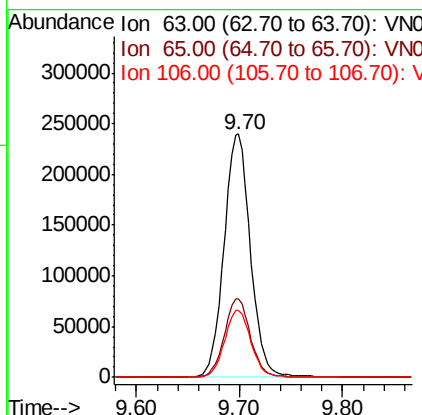
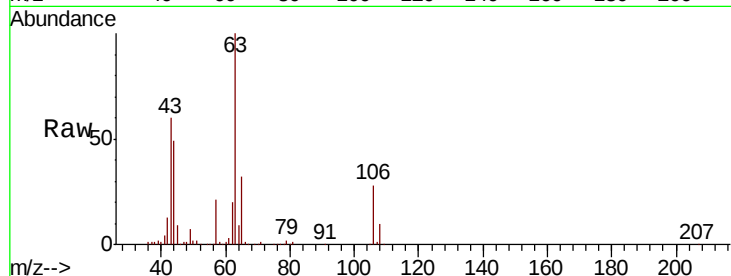




#55
 2-Chloroethyl vinyl ether
 Concen: 97.02 ug/l
 RT: 9.70 min Scan# 2522
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

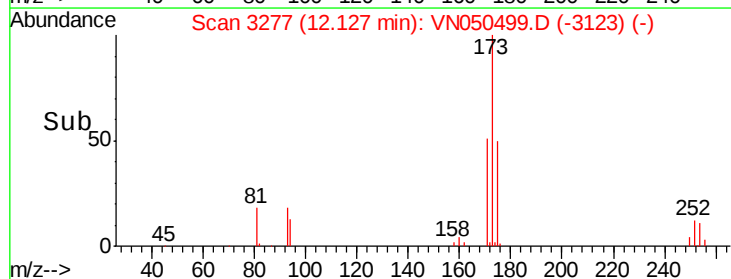
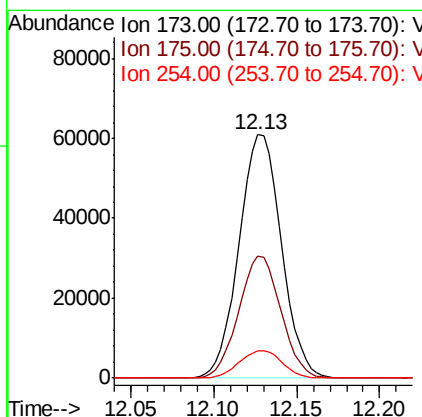
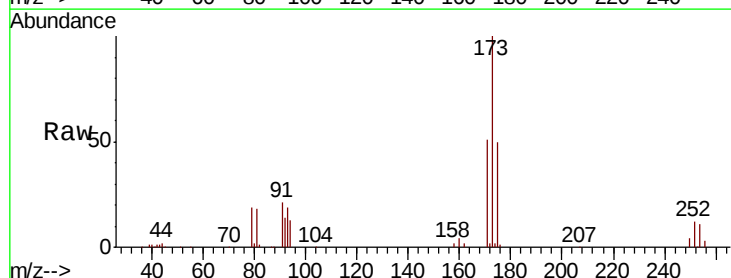
Instrument :
 MSVOA_N
 ClientSampleId :

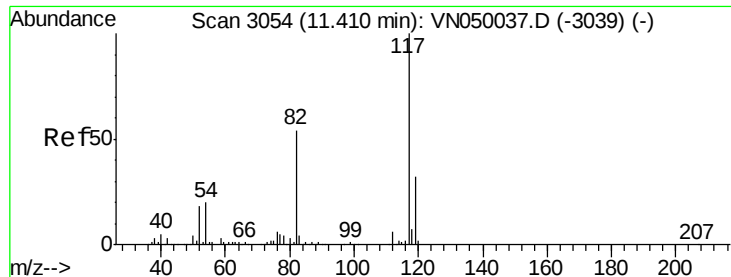
Tot Ion: 63 Resp: 427142
 Ion Ratio Lower Upper
 63 100
 65 32.1 25.5 38.3
 106 27.7 21.8 32.6



#56
 Bromoform
 Concen: 16.94 ug/l
 RT: 12.13 min Scan# 3277
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion: 173 Resp: 108802
 Ion Ratio Lower Upper
 173 100
 175 49.7 38.6 57.8
 254 11.4 8.8 13.2

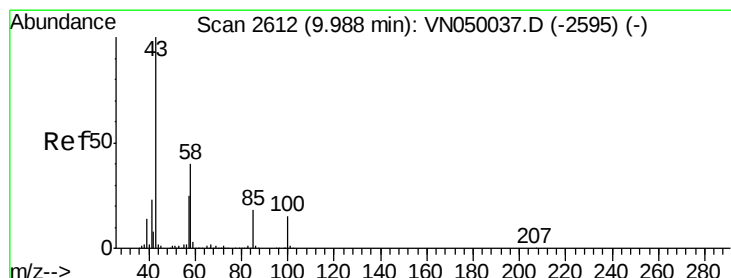
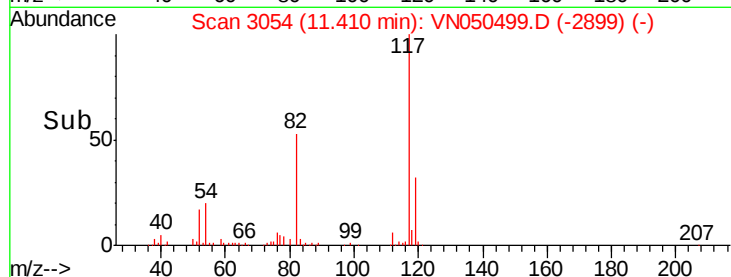
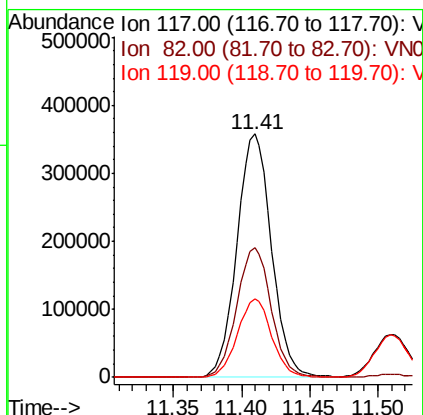
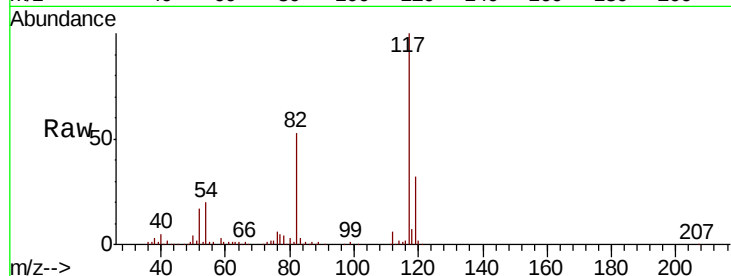




#57
Chlorobenzene-d5
Concen: 30.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

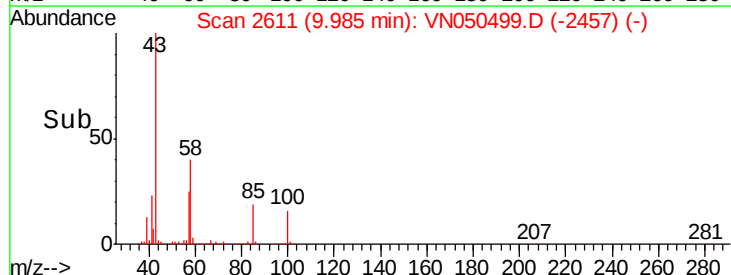
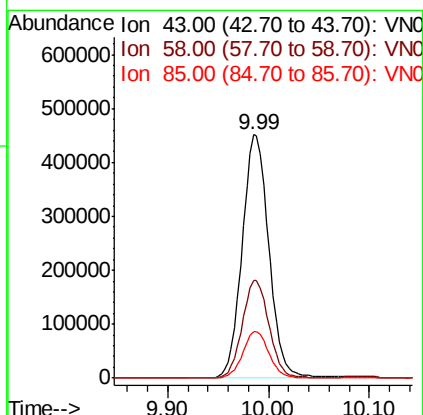
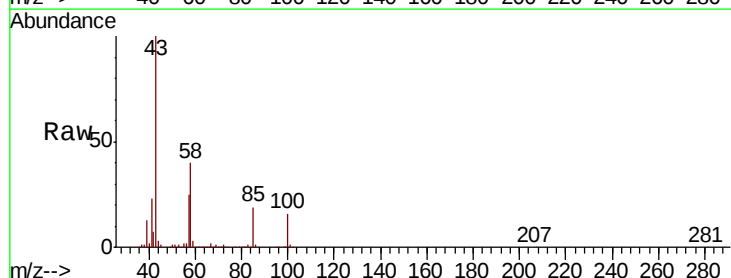
Instrument :
MSVOA_N
ClientSampled :

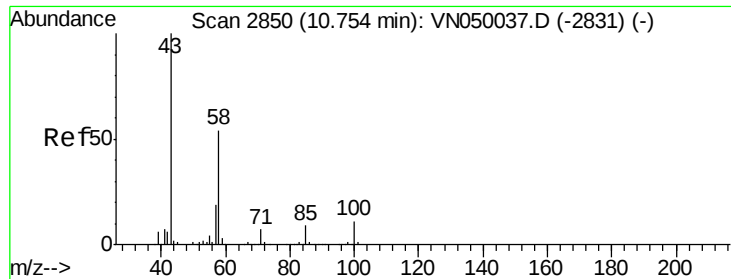
Tot Ion	Ratio	Lower	Upper
117	100		
82	53.4	42.4	63.6
119	32.0	25.4	38.0



#58
4-Methyl-2-Pentanone
Concen: 112.14 ug/l
RT: 9.99 min Scan# 2611
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
43	100		
58	40.4	31.2	46.8
85	18.8	14.4	21.6

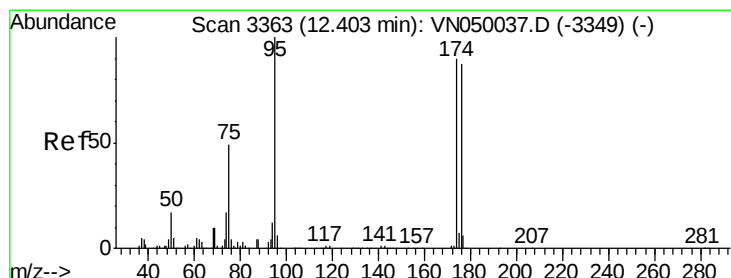
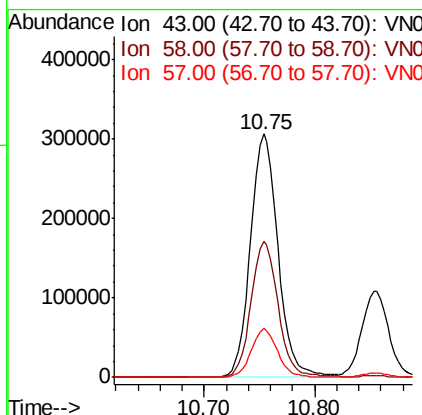
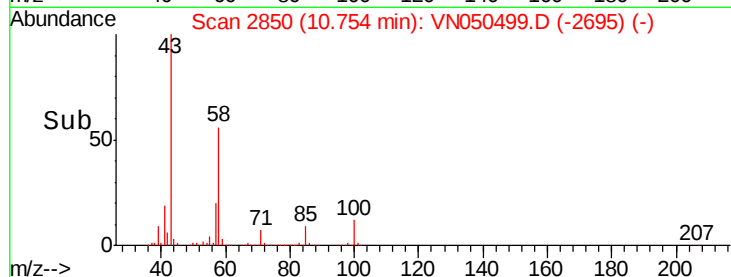
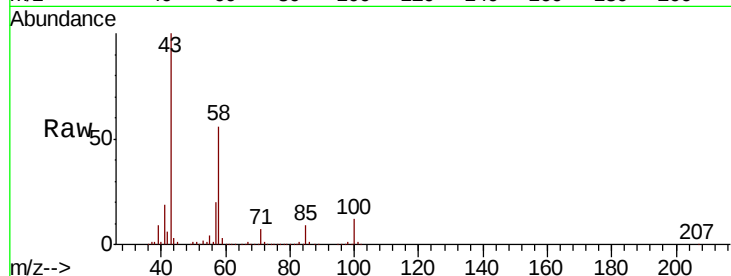




#59
2-Hexanone
Concen: 105.98 ug/l
RT: 10.75 min Scan# 2850
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

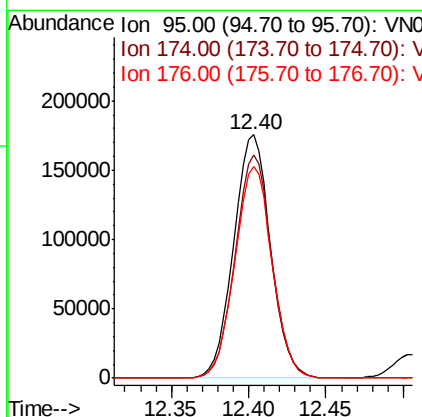
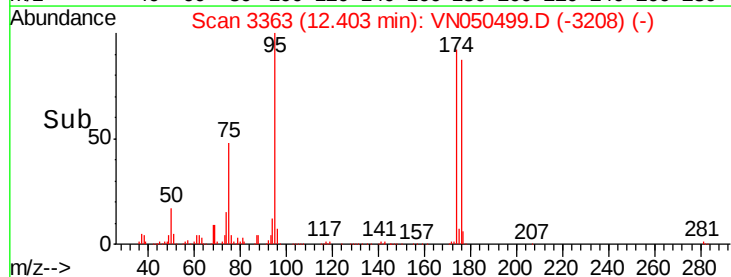
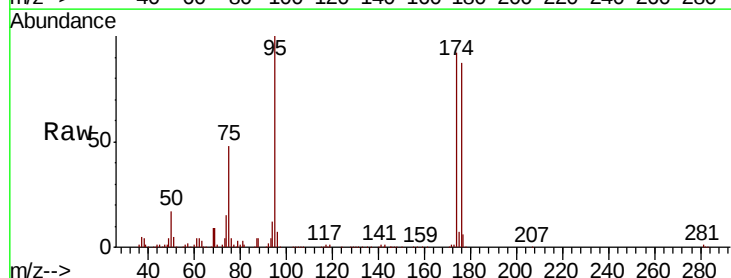
Instrument :
MSVOA_N
ClientSampleId :

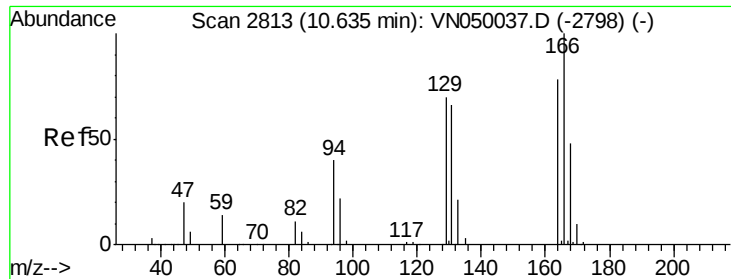
Tot Ion: 43 Resp: 529734
Ion Ratio Lower Upper
43 100
58 55.1 43.8 65.8
57 19.3 15.1 22.7



#60
4-Bromofluorobenzene
Concen: 29.96 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 95 Resp: 289783
Ion Ratio Lower Upper
95 100
174 91.3 72.3 108.5
176 88.2 70.0 105.0





#61

Tetrachloroethene

Concen: 19.39 ug/l

RT: 10.63 min Scan# 2813

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 165386

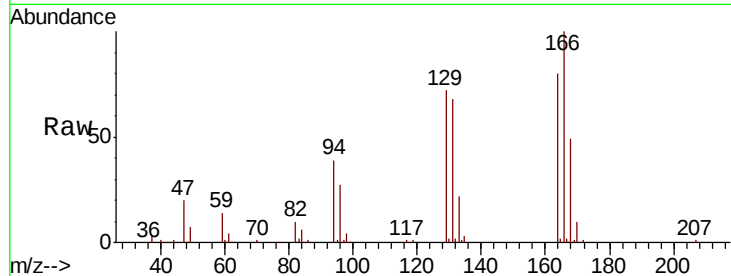
Ion Ratio Lower Upper

164 100

166 124.9 100.0 150.0

129 89.3 69.3 103.9

131 84.7 68.8 103.2

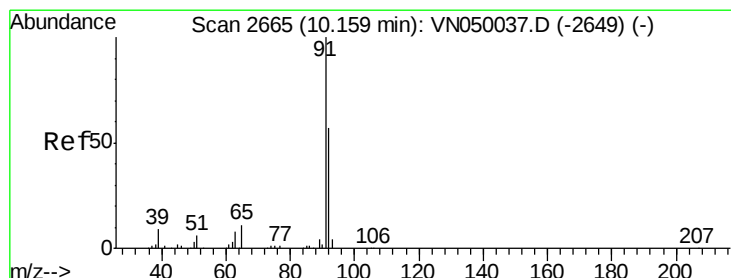
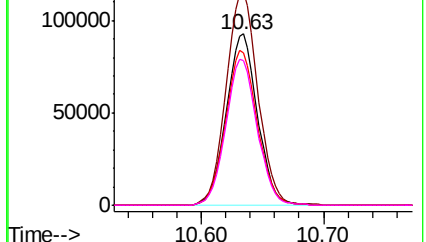
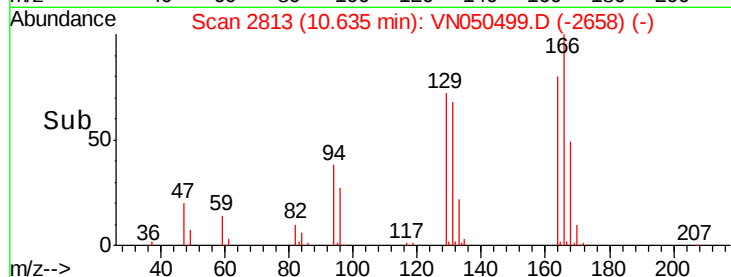


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 19.26 ug/l

RT: 10.16 min Scan# 2665

Delta R.T. -0.00 min

Lab File: VN050499.D

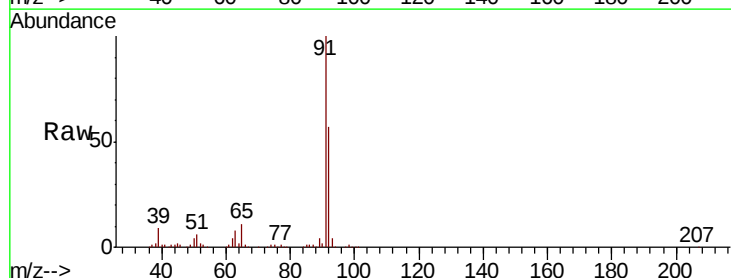
Acq: 9 Aug 2018 21:13

Tgt Ion: 91 Resp: 691913

Ion Ratio Lower Upper

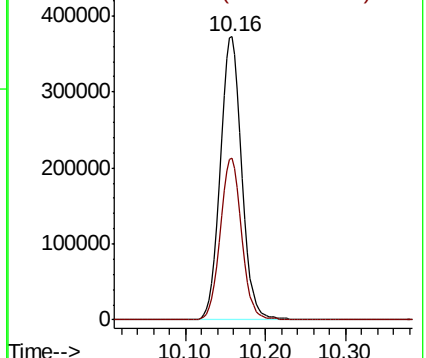
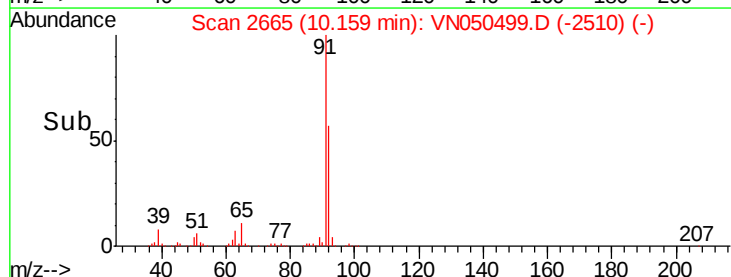
91 100

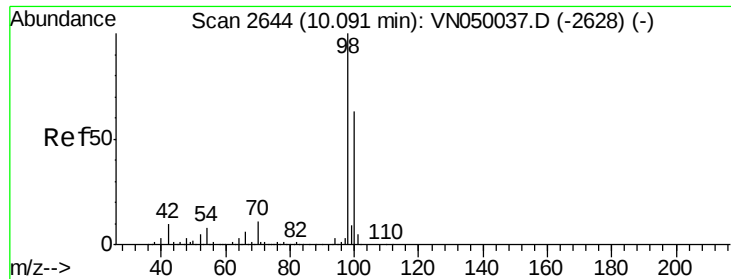
92 57.1 45.7 68.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 92.00 (91.70 to 92.70): VN0

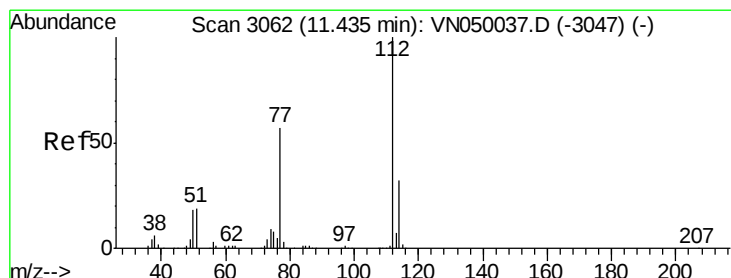
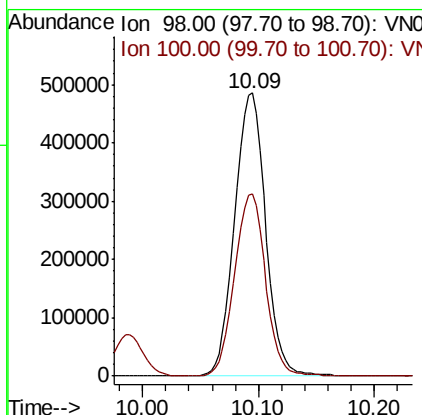
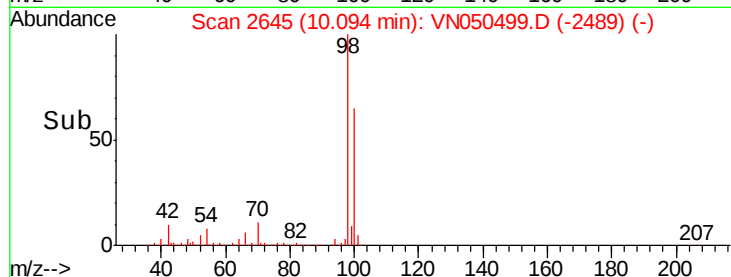
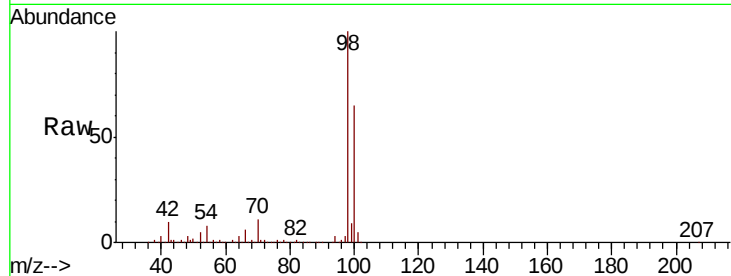




#63
Toluene-d8
Concen: 29.93 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

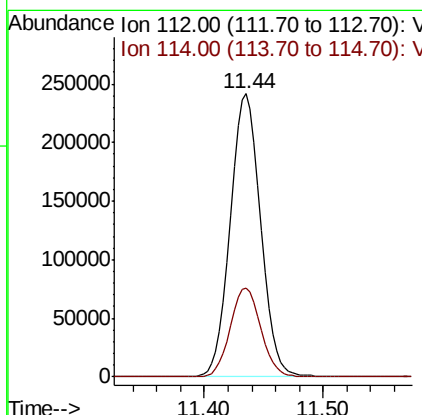
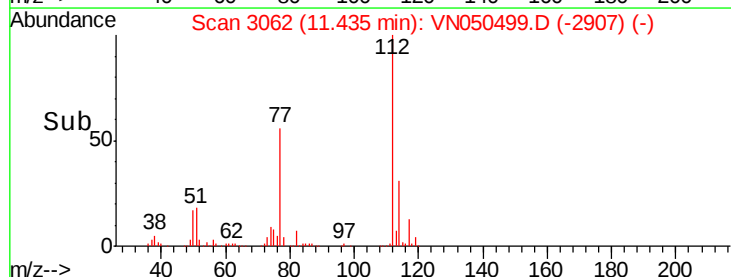
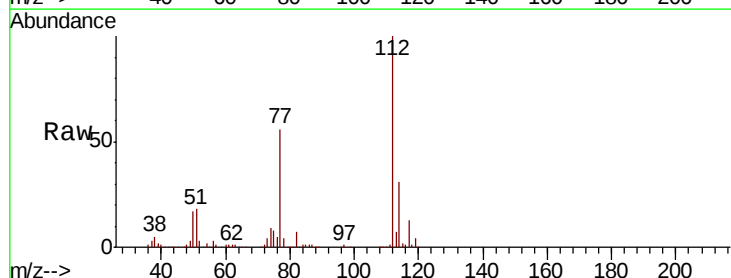
Instrument :
MSVOA_N
ClientSampled :

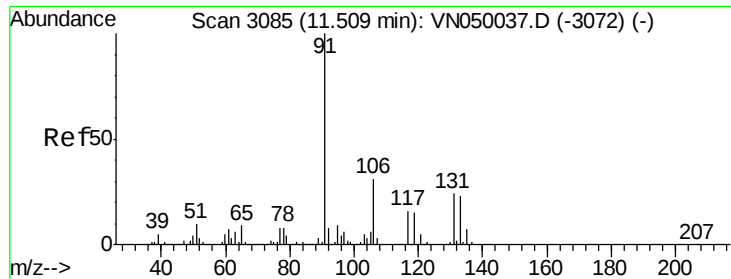
Tot Ion: 98 Resp: 900052
Ion Ratio Lower Upper
98 100
100 64.6 51.2 76.8



#64
Chlorobenzene
Concen: 19.62 ug/l
RT: 11.44 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion: 112 Resp: 427320
Ion Ratio Lower Upper
112 100
114 31.5 26.2 39.2





#65

1,1,1,2-Tetrachloroethane

Concen: 19.25 ug/l

RT: 11.51 min Scan# 3085

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

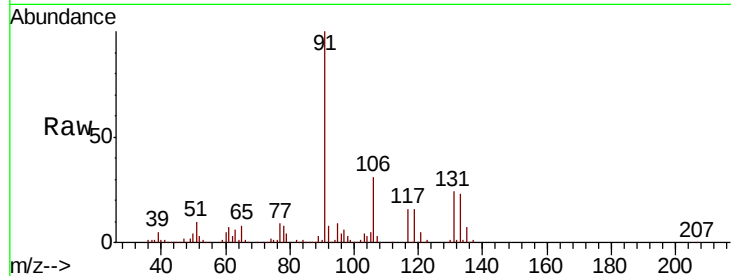
Tot Ion:131 Resp: 163555

Ion Ratio Lower Upper

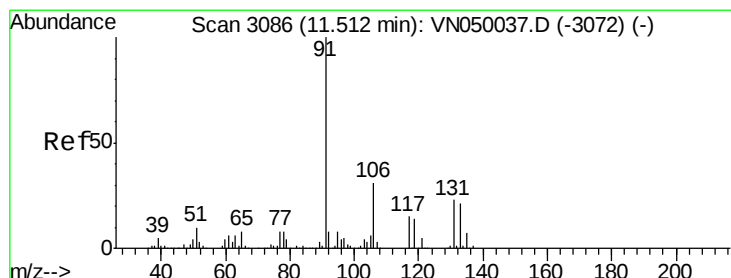
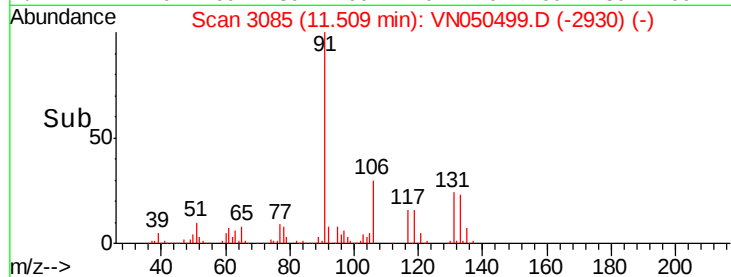
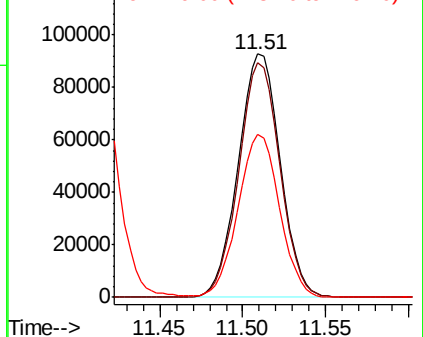
131 100

133 94.8 0.0 190.0

119 66.0 0.0 131.6



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 18.80 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. -0.00 min

Lab File: VN050499.D

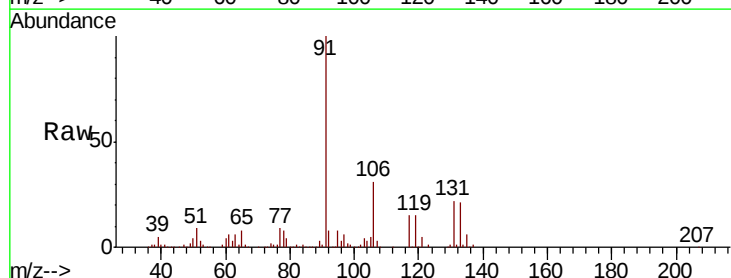
Acq: 9 Aug 2018 21:13

Tgt Ion: 91 Resp: 690077

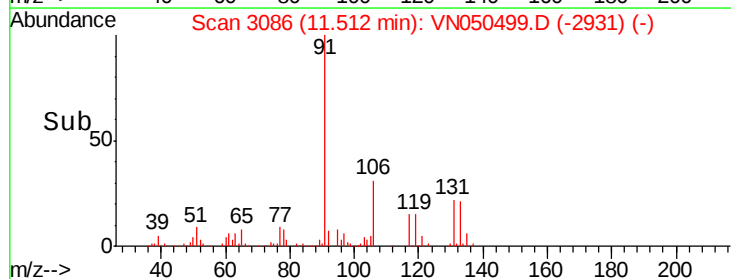
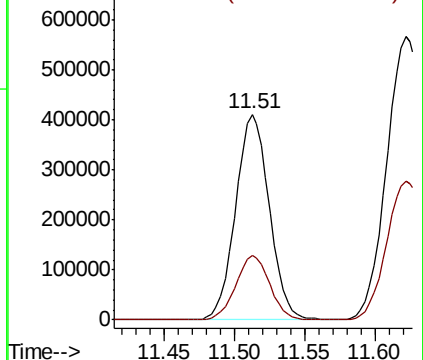
Ion Ratio Lower Upper

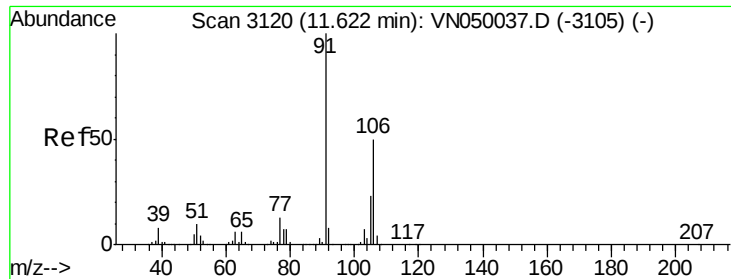
91 100

106 31.3 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 106.00 (105.70 to 106.70): V





#67

m/p-Xvlenes

Concen: 39.09 ug/l

RT: 11.62 min Scan# 3120

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

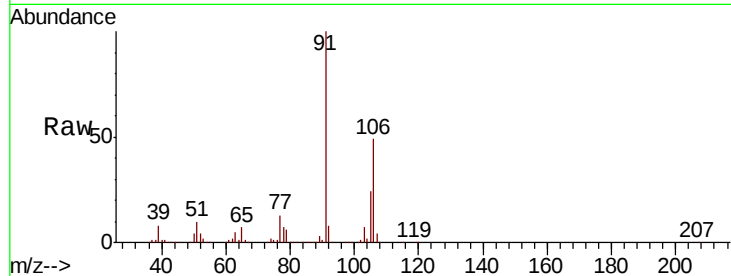
ClientSampled :

Tot Ion:106 Resp: 552328

Ion Ratio Lower Upper

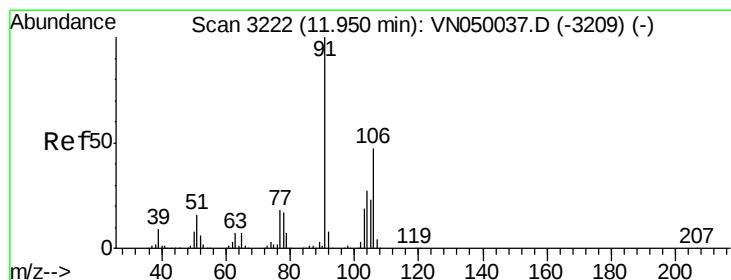
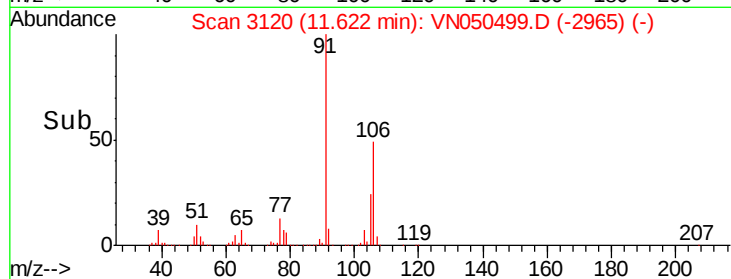
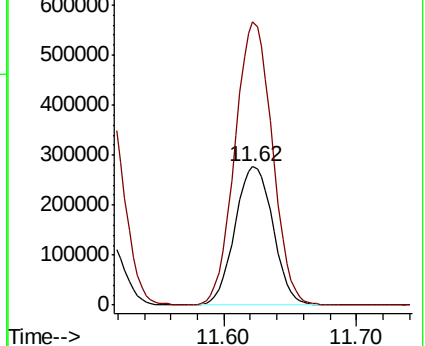
106 100

91 200.6 162.5 243.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#68

o-Xylene

Concen: 19.21 ug/l

RT: 11.95 min Scan# 3222

Delta R.T. -0.00 min

Lab File: VN050499.D

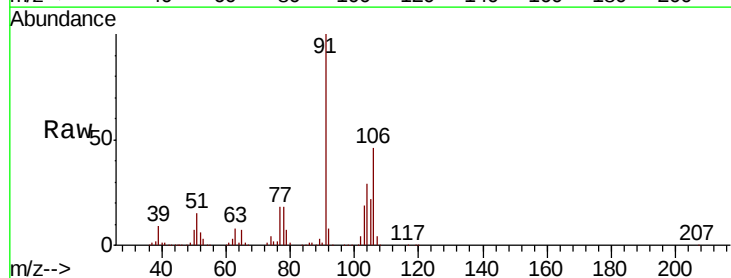
Acq: 9 Aug 2018 21:13

Tgt Ion:106 Resp: 258177

Ion Ratio Lower Upper

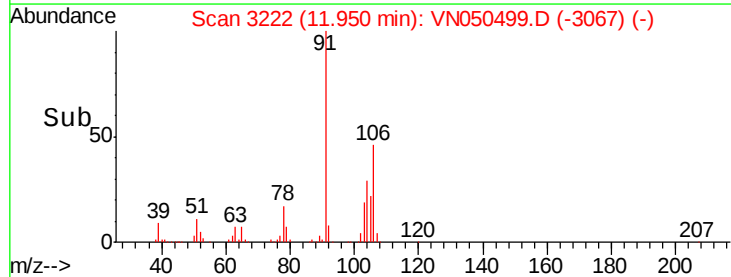
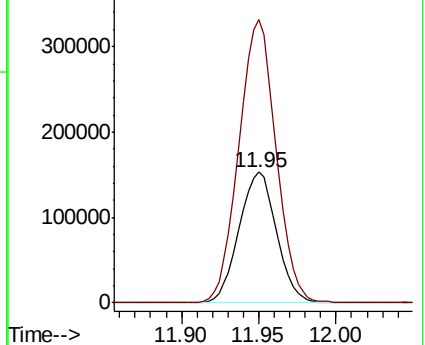
106 100

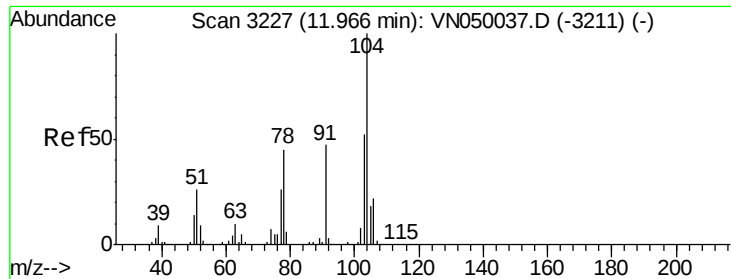
91 215.3 106.8 320.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN





#69

Stvrene

Concen: 19.60 ug/l

RT: 11.97 min Scan# 3227

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

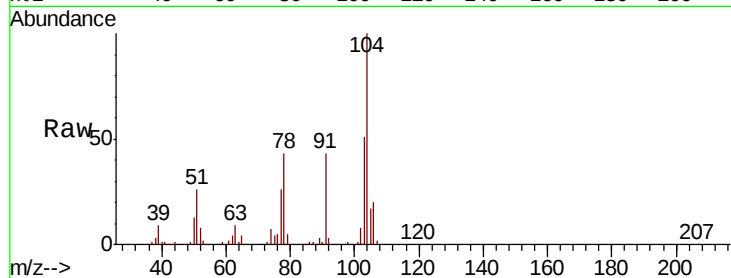
Tot Ion:104 Resp: 422350

Ion Ratio Lower Upper

104 100

78 48.3 39.3 58.9

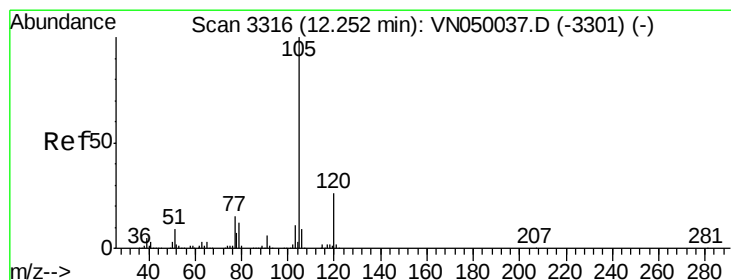
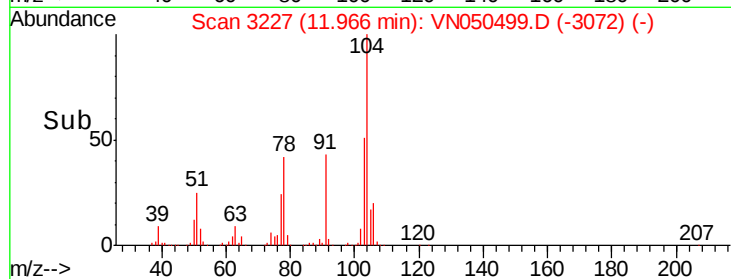
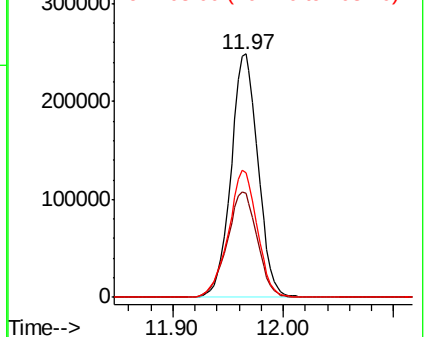
103 55.7 44.5 66.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V



#70

Isopropylbenzene

Concen: 19.38 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. -0.00 min

Lab File: VN050499.D

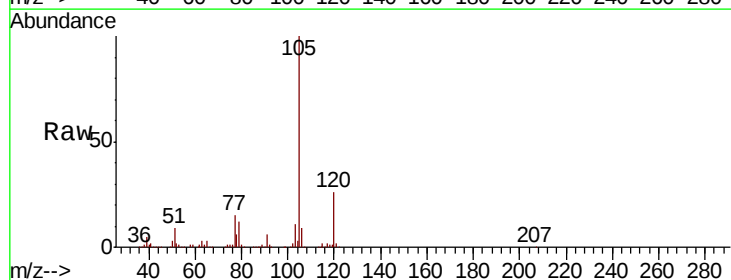
Acq: 9 Aug 2018 21:13

Tgt Ion:105 Resp: 693926

Ion Ratio Lower Upper

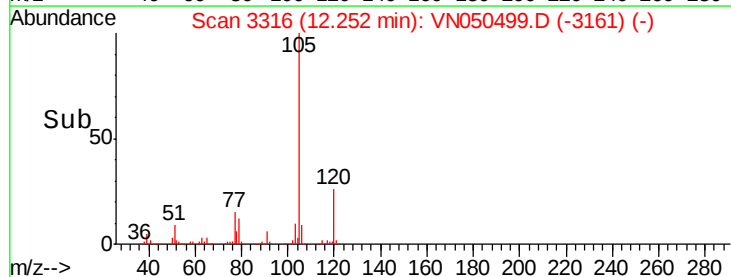
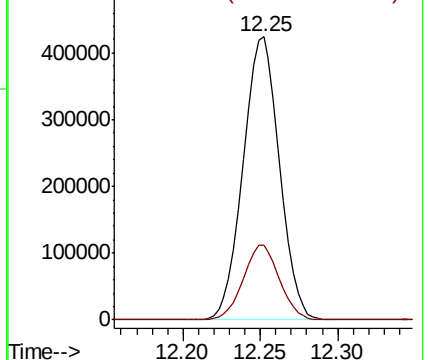
105 100

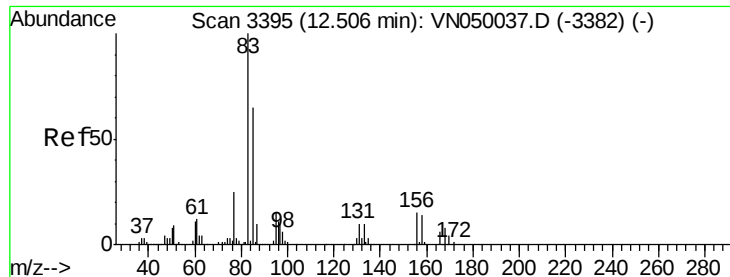
120 26.3 18.9 35.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

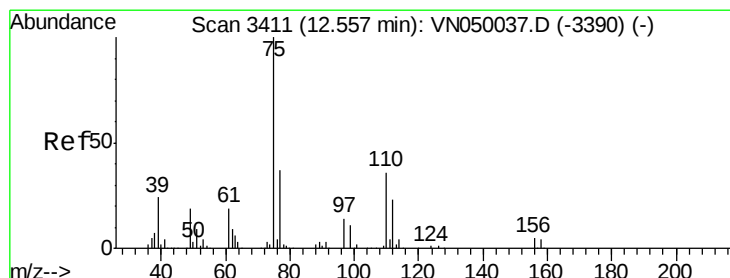
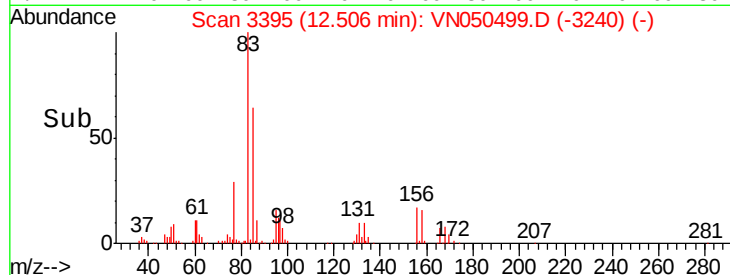
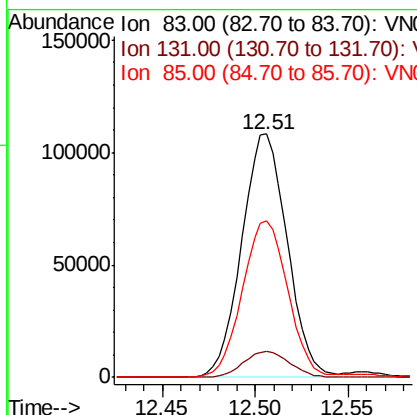
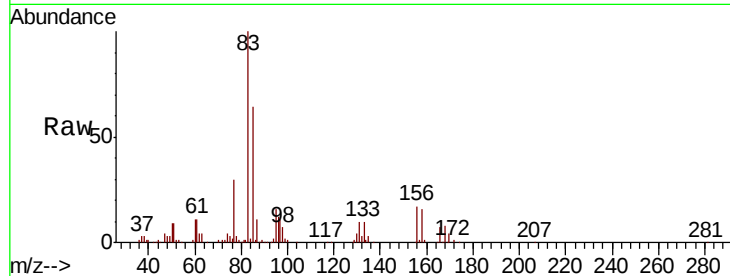




#71
 1,1,2,2-Tetrachloroethane
 Concen: 18.74 ug/l
 RT: 12.51 min Scan# 3395
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

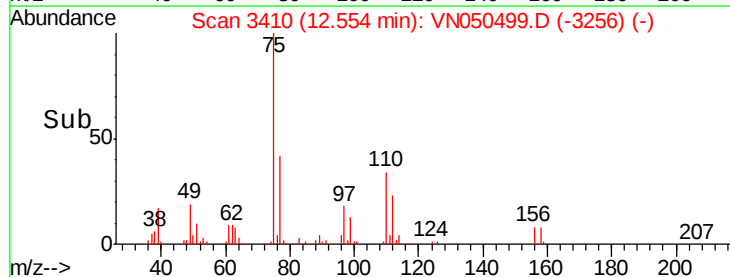
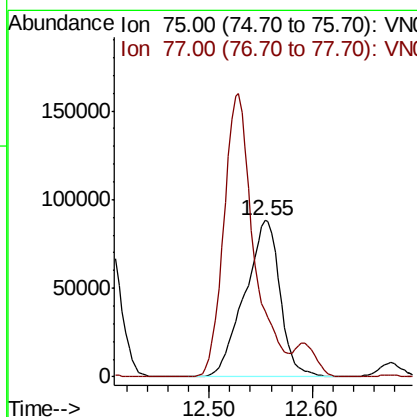
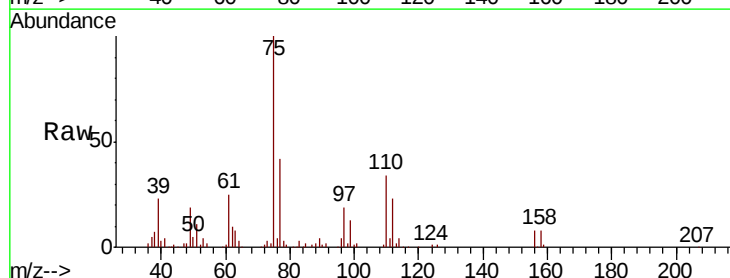
Instrument :
 MSVOA_N
 ClientSampleId :

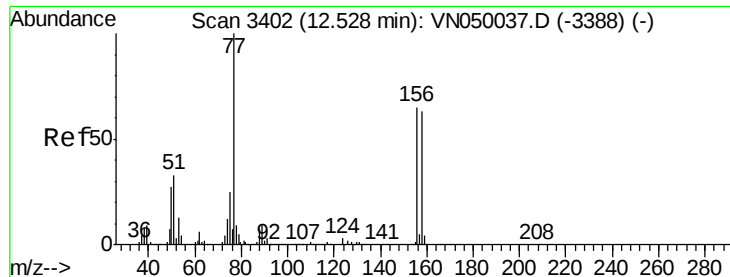
Tot Ion	83	Resp	184166
Ion Ratio	Lower	Upper	
83	100		
131	10.8	5.2	15.6
85	64.1	31.7	95.1



#72
 1,2,3-Trichloropropane
 Concen: 25.05 ug/l
 RT: 12.55 min Scan# 3410
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion	75	Resp	210304
Ion Ratio	Lower	Upper	
75	100		
77	154.9	0.0	454.4





#73

Bromobenzene

Concen: 19.03 ug/l

RT: 12.53 min Scan# 3402

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

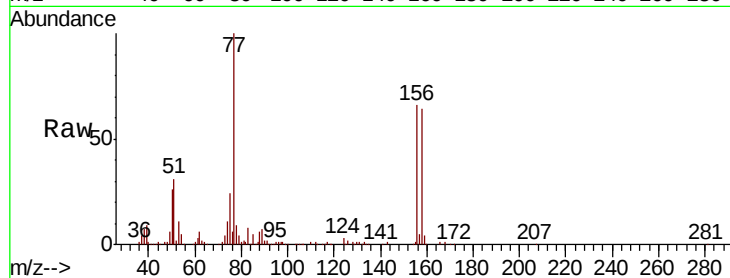
Tot Ion:156 Resp: 181513

Ion Ratio Lower Upper

156 100

77 179.5 0.0 359.8

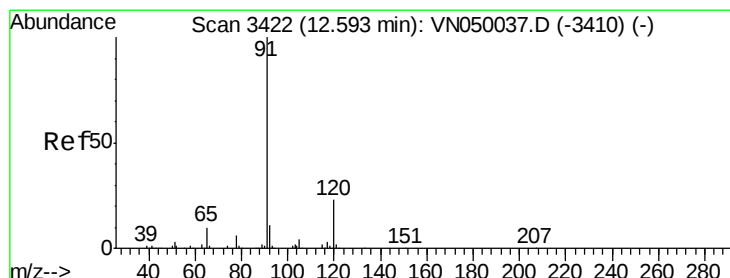
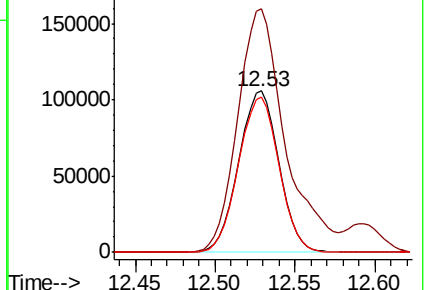
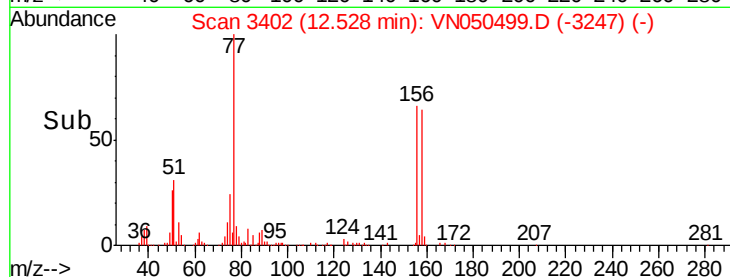
158 96.9 0.0 192.8



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 18.57 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN050499.D

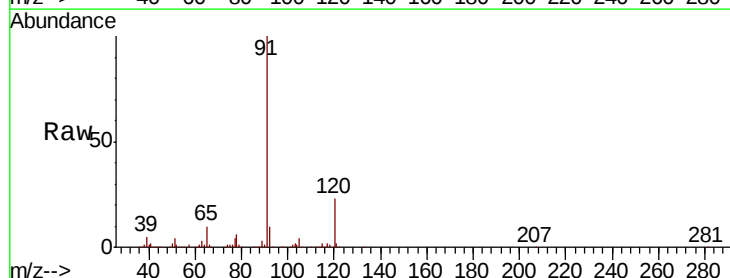
Acq: 9 Aug 2018 21:13

Tgt Ion: 91 Resp: 774397

Ion Ratio Lower Upper

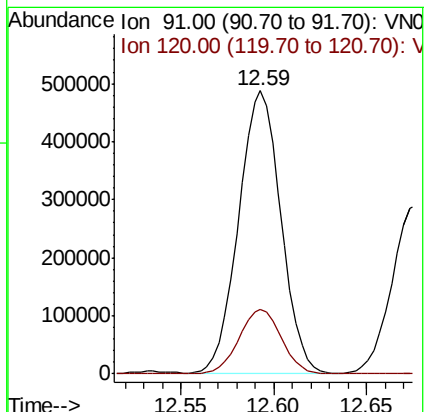
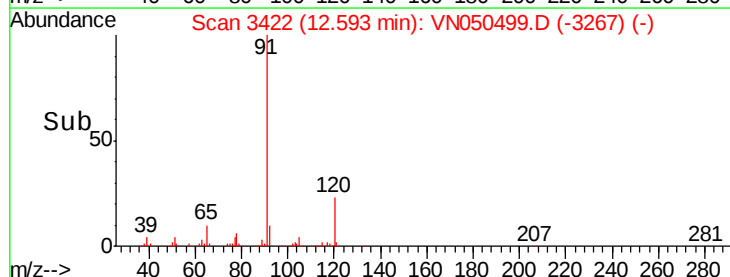
91 100

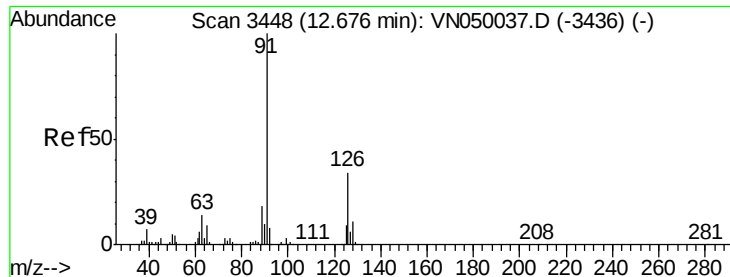
120 22.9 0.0 46.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.13 ug/l

RT: 12.68 min Scan# 3448

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

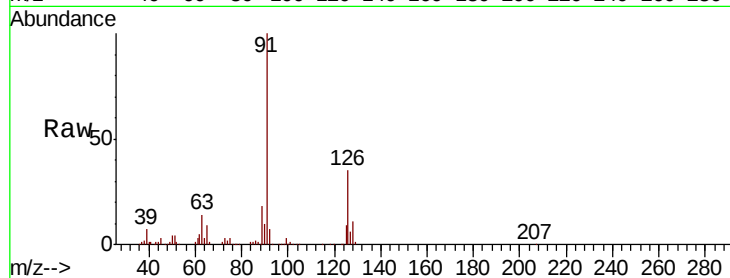
ClientSampled :

Tot Ion: 91 Resp: 479064

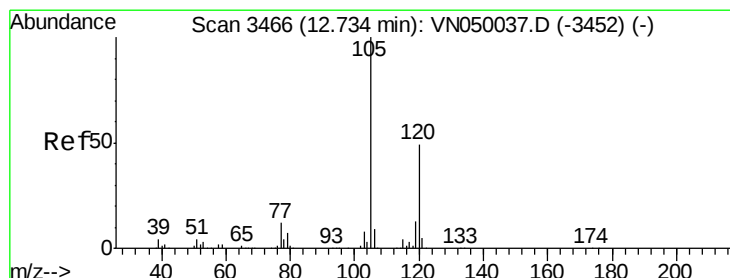
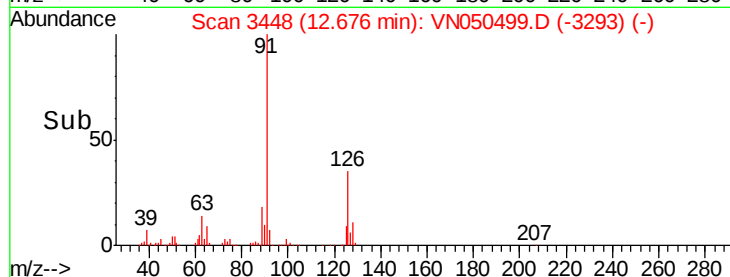
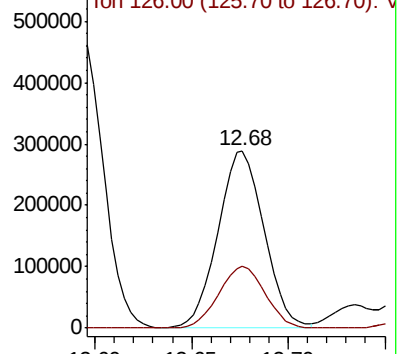
Ion Ratio Lower Upper

91 100

126 35.2 0.0 68.6



Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3436) (-)



#76

1,3,5-Trimethylbenzene

Concen: 19.32 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN050499.D

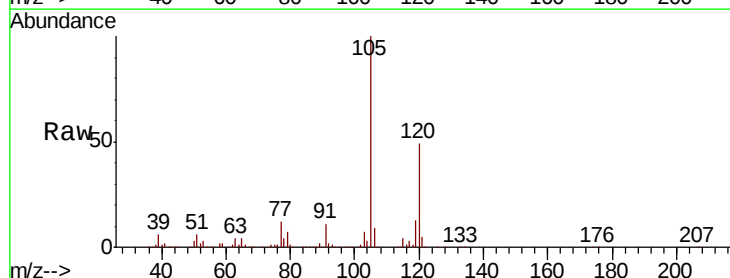
Acq: 9 Aug 2018 21:13

Tgt Ion:105 Resp: 568033

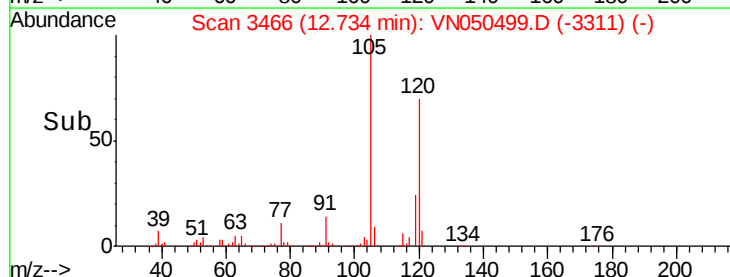
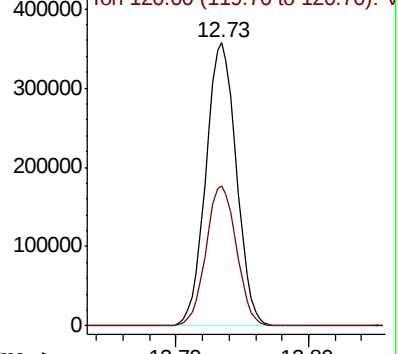
Ion Ratio Lower Upper

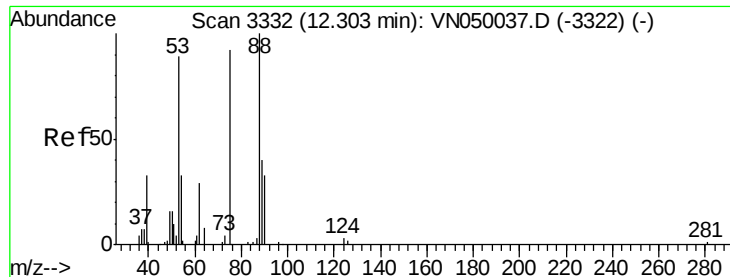
105 100

120 49.6 0.0 98.0



Abundance Ion 105.00 (104.70 to 105.70): VN050037.D (-3452) (-)





#77

t-1,4-Dichloro-2-butene

Concen: 13.86 ug/l

RT: 12.30 min Scan# 3331

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

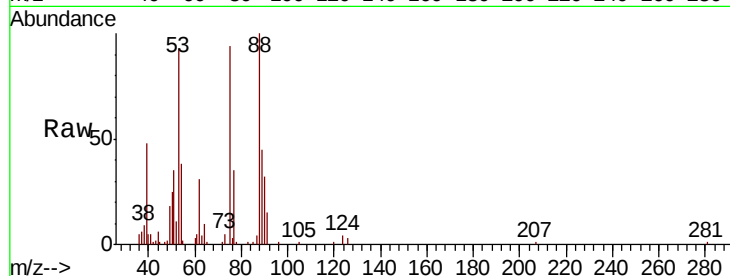
Tot Ion: 75 Resp: 38045

Ion	Ratio	Lower	Upper
75	100		
53	98.4	44.6	134.0
89	48.6	20.7	62.1

75 100

53 98.4 44.6 134.0

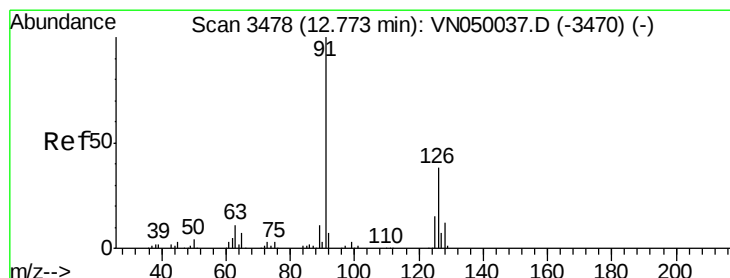
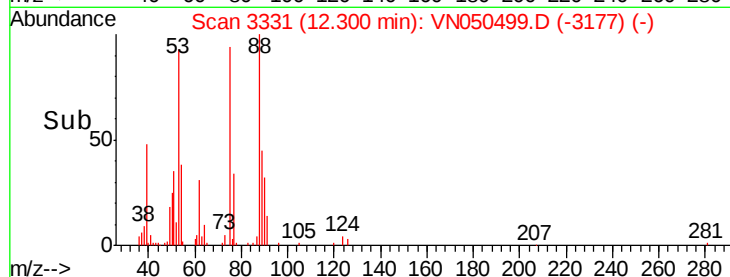
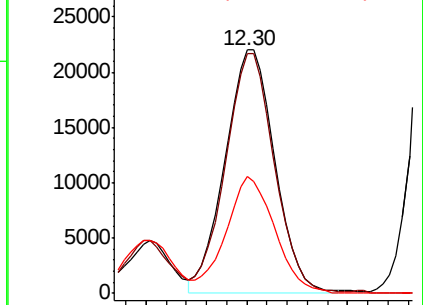
89 48.6 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 18.97 ug/l

RT: 12.77 min Scan# 3478

Delta R.T. -0.00 min

Lab File: VN050499.D

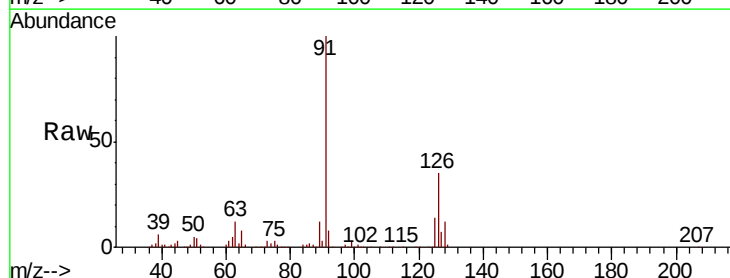
Acq: 9 Aug 2018 21:13

Tgt Ion: 91 Resp: 470824

Ion	Ratio	Lower	Upper
91	100		
126	35.1	0.0	68.4

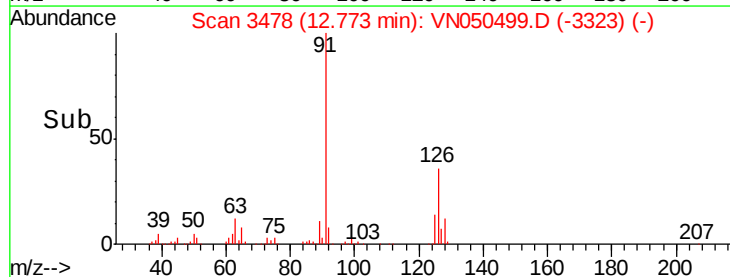
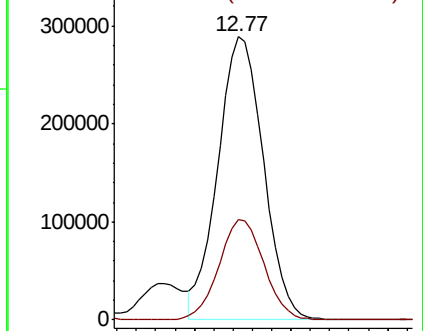
91 100

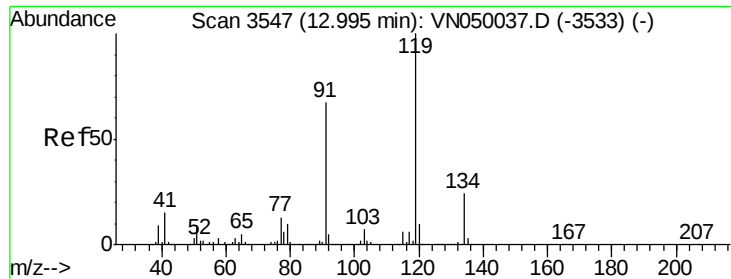
126 35.1 0.0 68.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

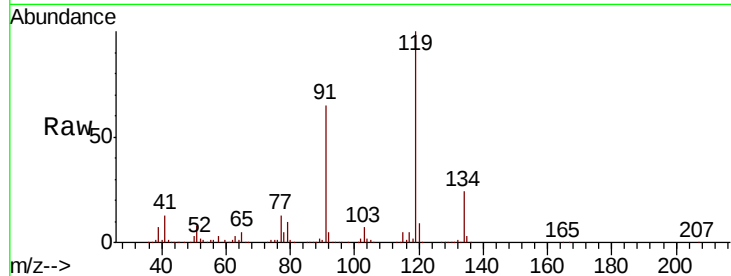




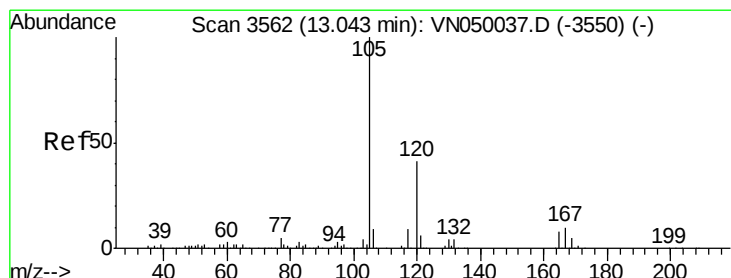
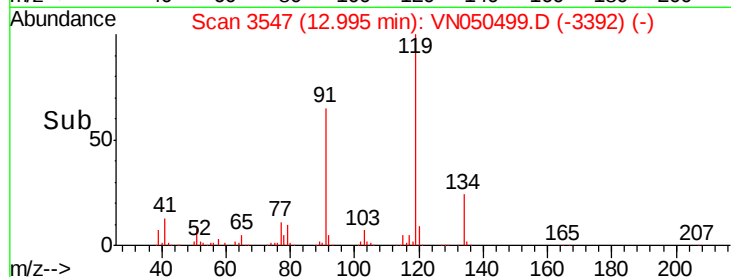
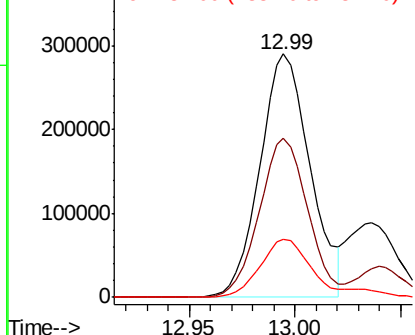
#79
tert-butylbenzene
Concen: 19.11 ug/l
RT: 12.99 min Scan# 3547
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	63.5	0.0	126.8
134	23.5	0.0	47.4

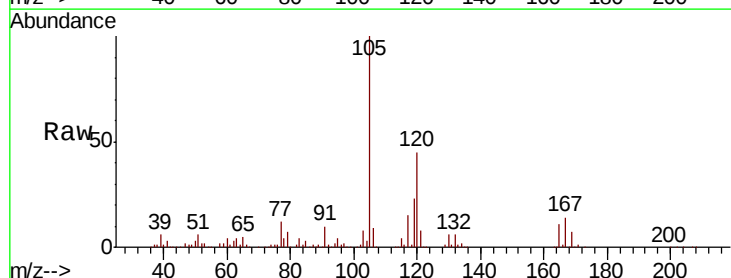


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

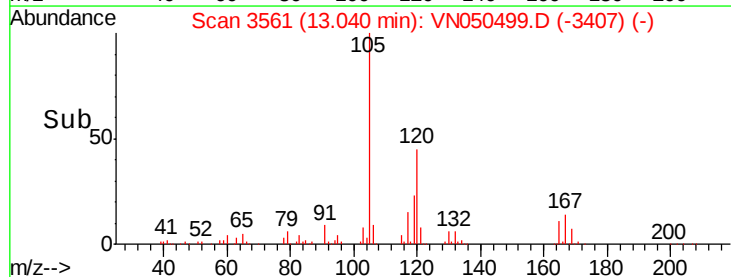
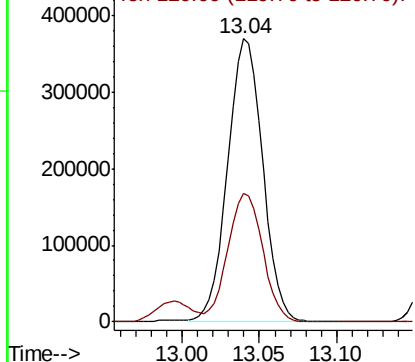


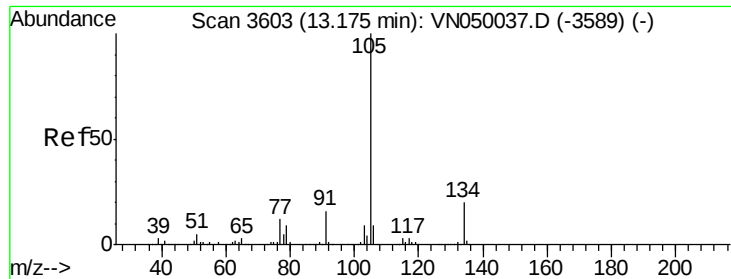
#80
1,2,4-Trimethylbenzene
Concen: 19.46 ug/l
RT: 13.04 min Scan# 3561
Delta R.T. -0.00 min
Lab File: VN050499.D
Acq: 9 Aug 2018 21:13

Tgt Ion	Ratio	Lower	Upper
105	100		
120	45.3	0.0	90.6



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

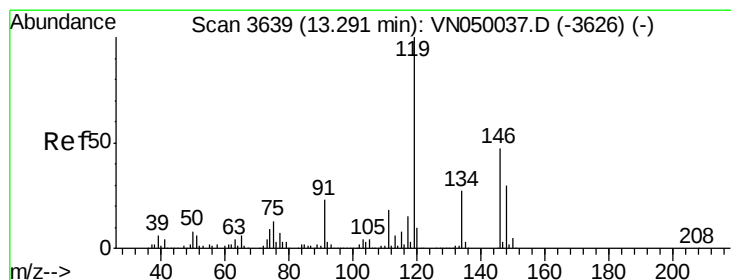
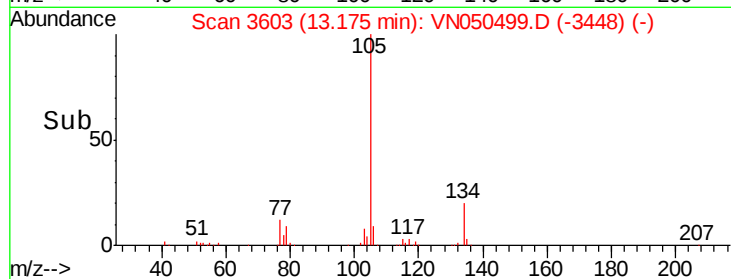
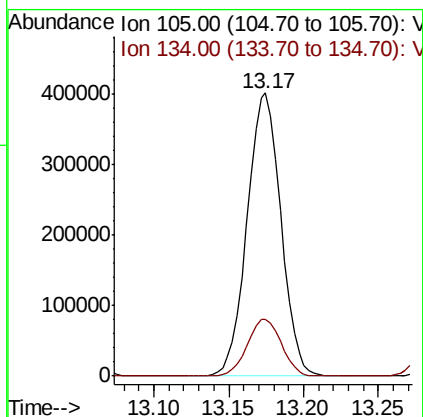
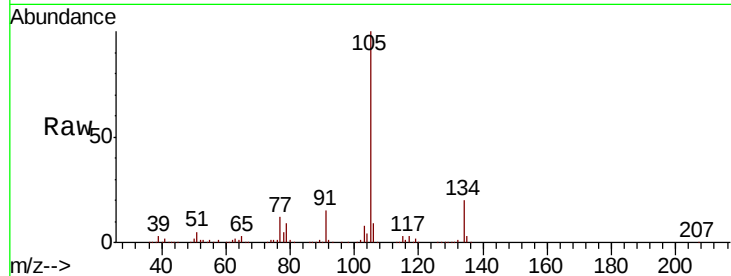




#81
 sec-Butylbenzene
 Concen: 18.48 ug/l
 RT: 13.17 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

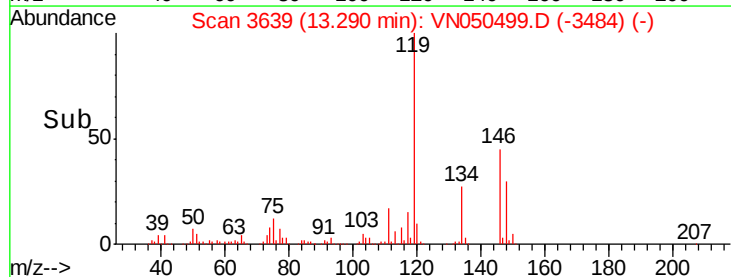
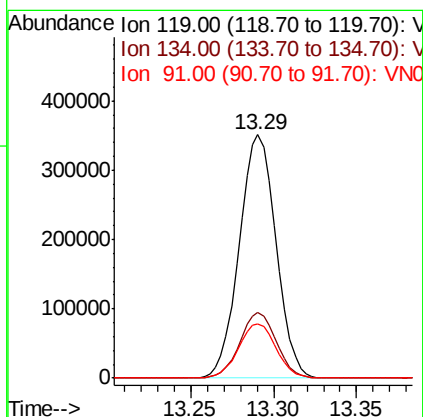
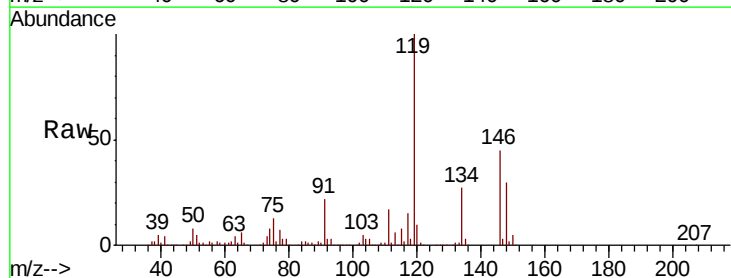
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:105 Resp: 631156
 Ion Ratio Lower Upper
 105 100
 134 20.3 0.0 40.6



#82
 p-Isopropyltoluene
 Concen: 18.52 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion:119 Resp: 539759
 Ion Ratio Lower Upper
 119 100
 134 26.7 0.0 52.2
 91 22.7 0.0 45.6

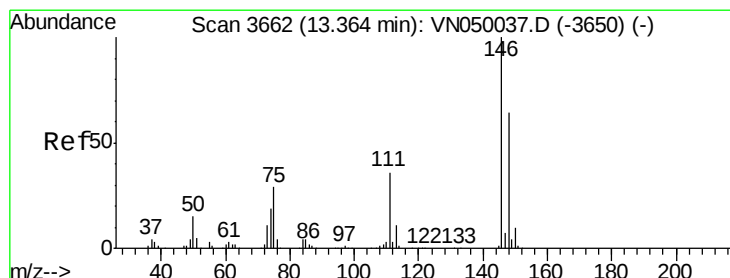
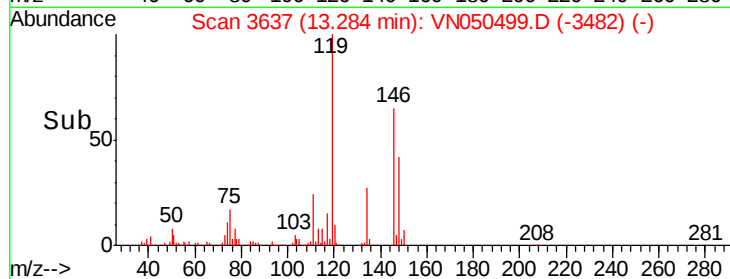
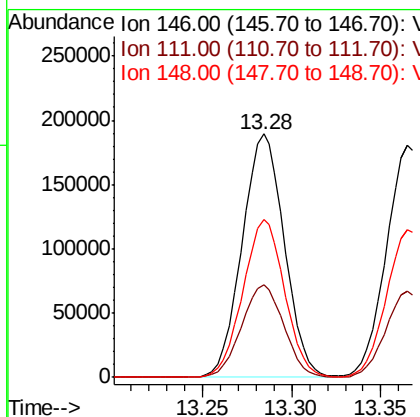
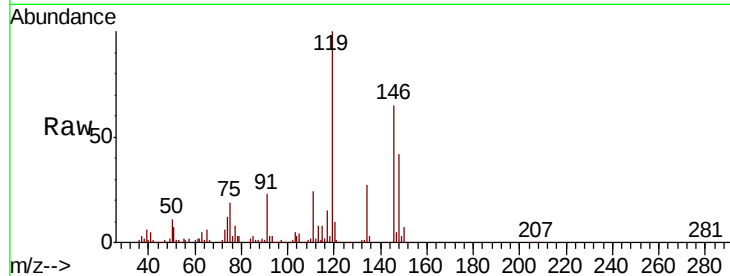




#83
 1,3-Dichlorobenzene
 Concen: 18.85 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

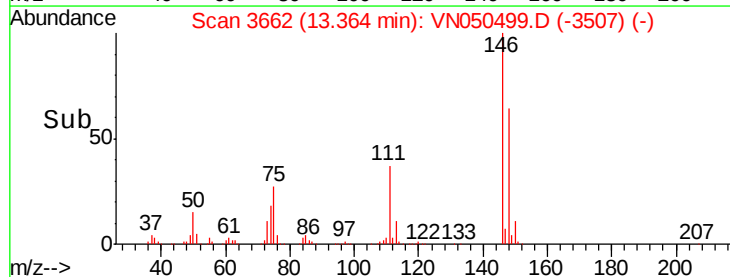
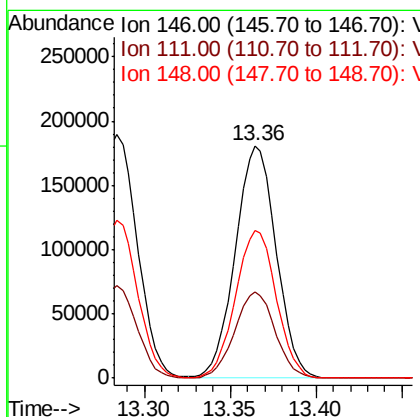
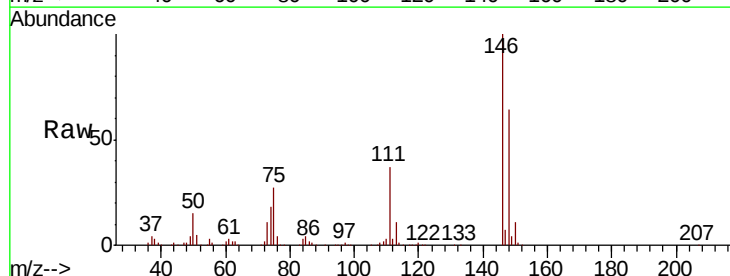
Instrument :
 MSVOA_N
 ClientSampled :

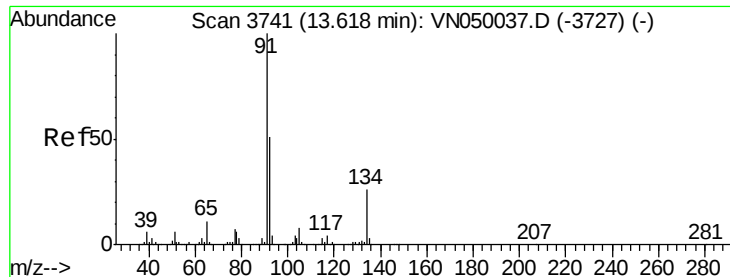
Tot Ion:146 Resp: 313014
 Ion Ratio Lower Upper
 146 100
 111 38.1 19.1 57.1
 148 64.0 31.9 95.9



#84
 1,4-Dichlorobenzene
 Concen: 19.01 ug/l
 RT: 13.36 min Scan# 3662
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion:146 Resp: 298294
 Ion Ratio Lower Upper
 146 100
 111 36.7 17.9 53.8
 148 63.4 32.4 97.0





#85

n-Butylbenzene

Concen: 16.94 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

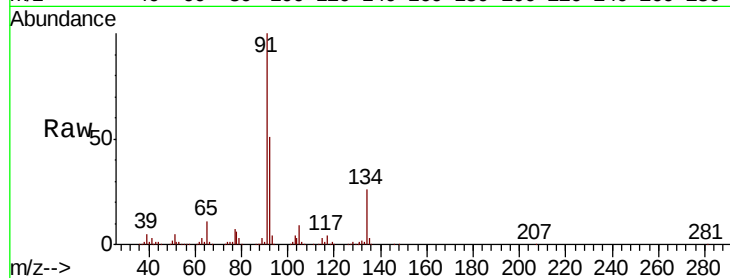
Tot Ion: 91 Resp: 400577

Ion Ratio Lower Upper

91 100

92 50.7 0.0 102.8

134 25.9 0.0 51.0

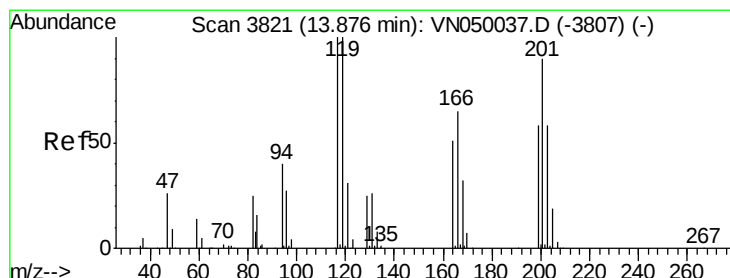
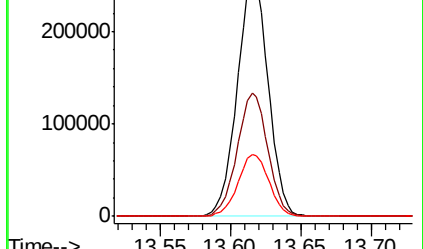
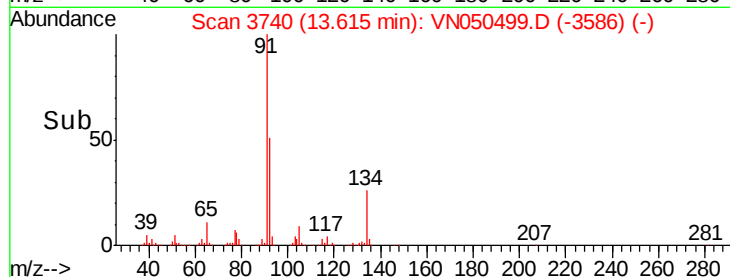


Abundance Ion 91.00 (90.70 to 91.70): VN050037.D (-3727) (-)

Ion 92.00 (91.70 to 92.70): VN050037.D (-3727) (-)

Ion 134.00 (133.70 to 134.70): VN050037.D (-3727) (-)

Time-->



#86

Hexachloroethane

Concen: 15.94 ug/l

RT: 13.88 min Scan# 3821

Delta R.T. -0.00 min

Lab File: VN050499.D

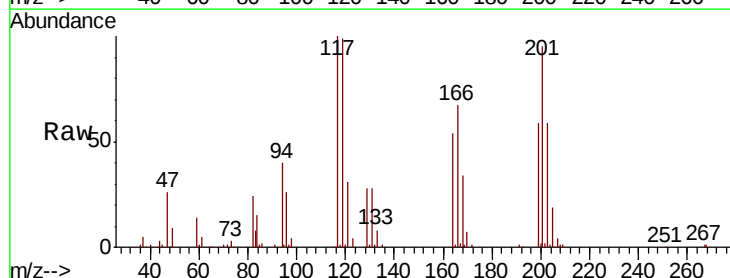
Acq: 9 Aug 2018 21:13

Tgt Ion: 117 Resp: 92832

Ion Ratio Lower Upper

117 100

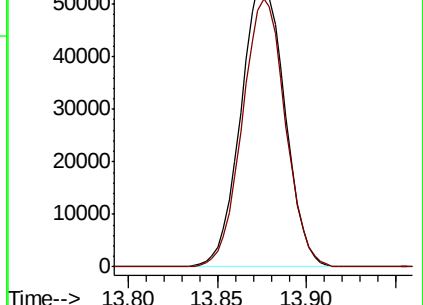
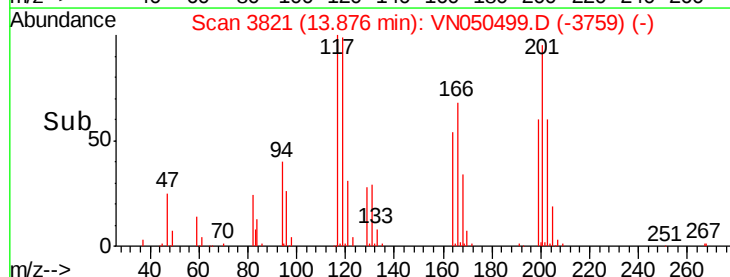
201 92.3 46.6 139.7

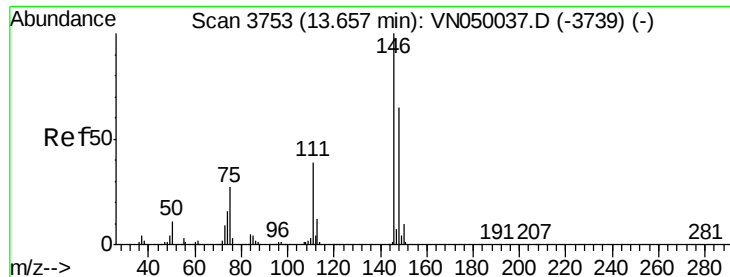


Abundance Ion 117.00 (116.70 to 117.70): VN050037.D (-3807) (-)

Ion 201.00 (200.70 to 201.70): VN050037.D (-3807) (-)

Time-->





#87

1,2-Dichlorobenzene

Concen: 19.20 ug/l

RT: 13.65 min Scan# 3752

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampled :

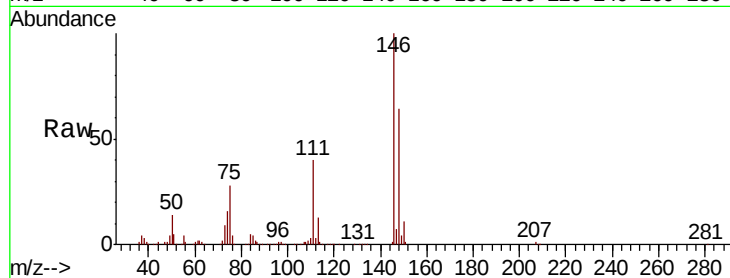
Tot Ion:146 Resp: 311720

Ion Ratio Lower Upper

146 100

111 39.7 19.8 59.3

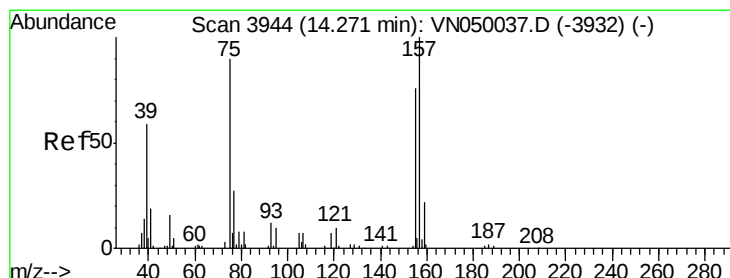
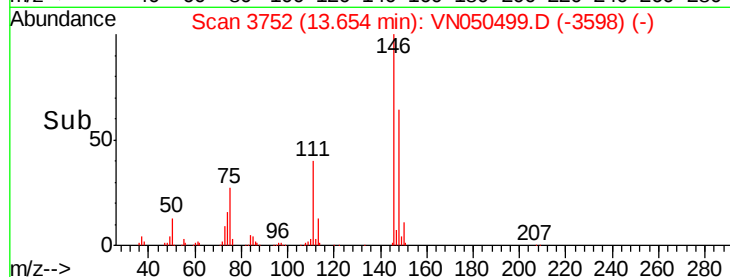
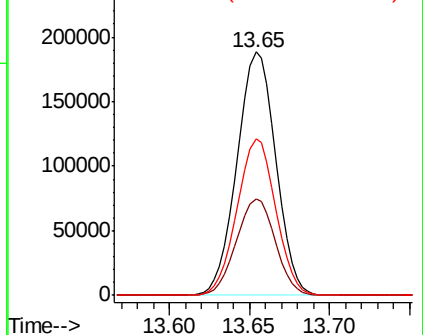
148 64.0 31.8 95.3



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



#88

1,2-Dibromo-3-Chloropropane

Concen: 17.56 ug/l

RT: 14.27 min Scan# 3944

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

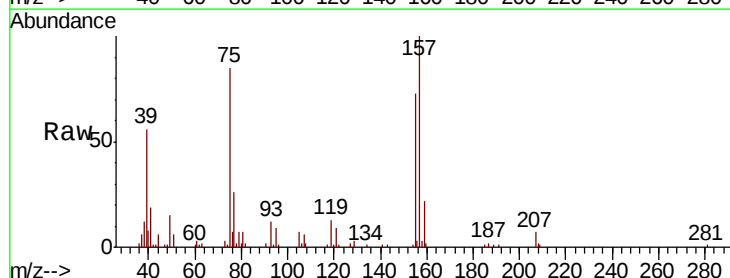
Tgt Ion: 75 Resp: 26893

Ion Ratio Lower Upper

75 100

155 86.8 73.0 109.6

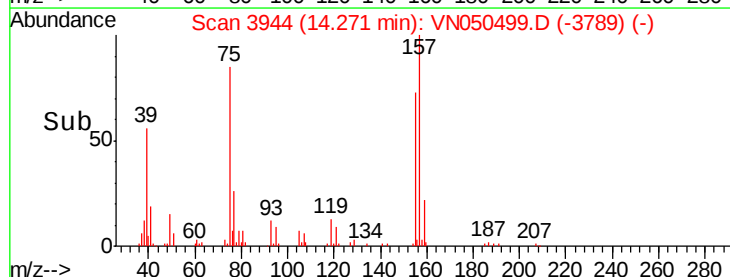
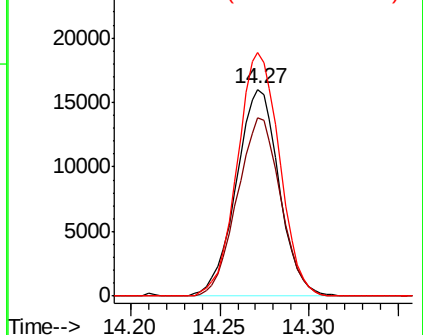
157 115.4 94.9 142.3

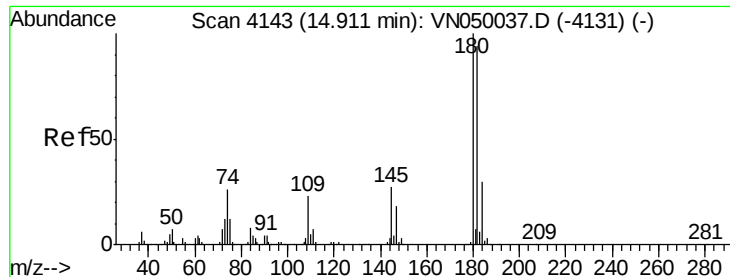


Abundance Ion 75.00 (74.70 to 75.70): V

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

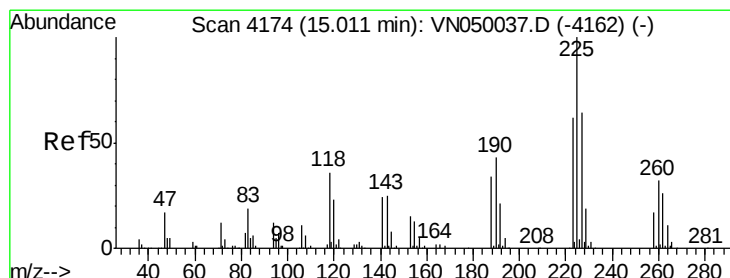
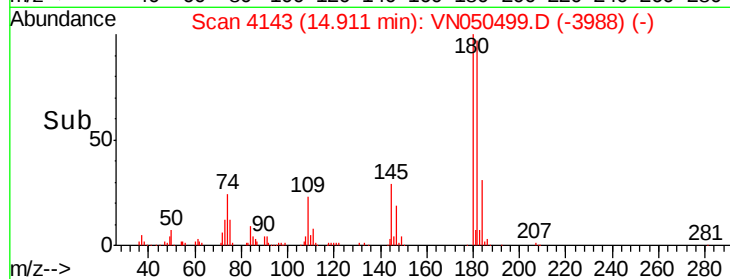
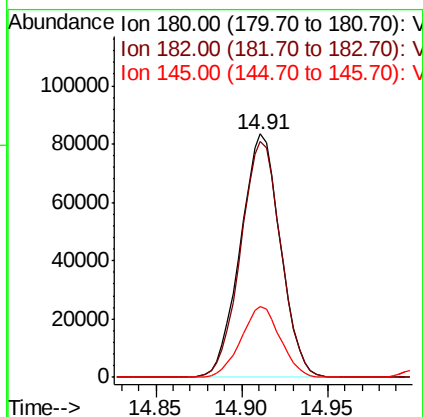
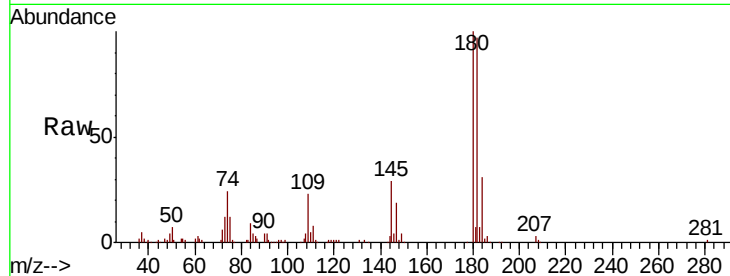




#89
 1,2,4-Trichlorobenzene
 Concen: 17.37 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

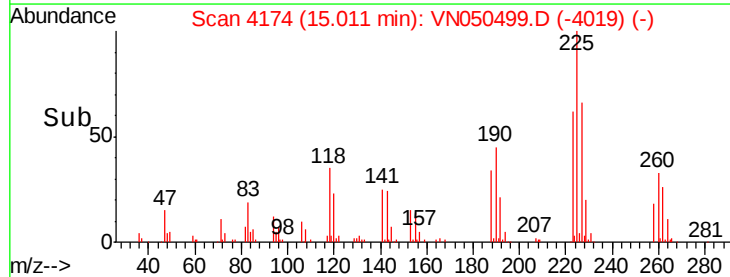
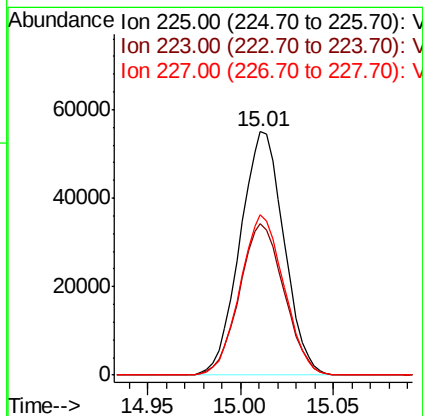
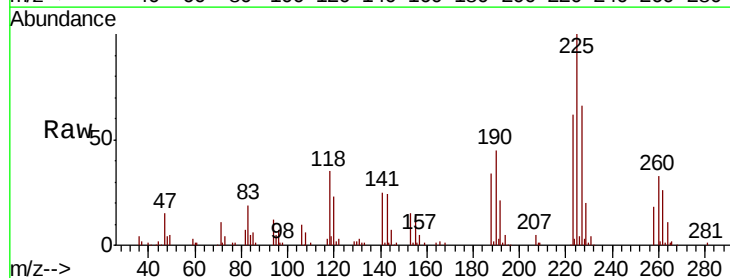
Instrument :
 MSVOA_N
 ClientSampled :

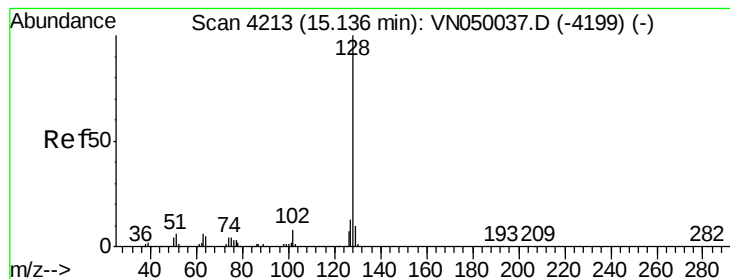
Tot Ion:180 Resp: 134659
 Ion Ratio Lower Upper
 180 100
 182 97.2 76.7 115.1
 145 28.6 23.4 35.0



#90
 Hexachlorobutadiene
 Concen: 17.68 ug/l
 RT: 15.01 min Scan# 4174
 Delta R.T. -0.00 min
 Lab File: VN050499.D
 Acq: 9 Aug 2018 21:13

Tgt Ion:225 Resp: 90380
 Ion Ratio Lower Upper
 225 100
 223 62.9 0.0 124.4
 227 65.6 0.0 133.0





#91

Naphthalene

Concen: 19.21 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

Instrument :

MSVOA_N

ClientSampleId :

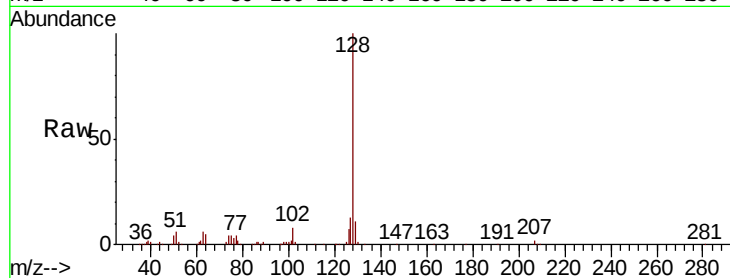
Tot Ion:128 Resp: 281194

Ion Ratio Lower Upper

128 100

127 13.3 10.2 15.4

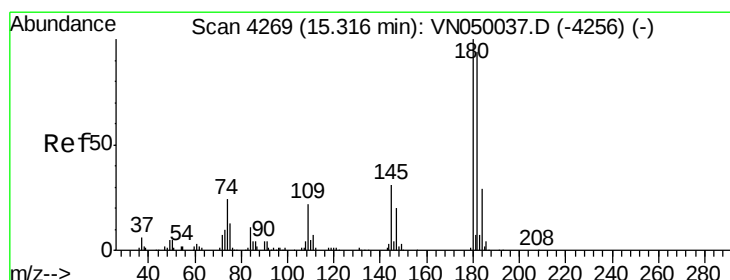
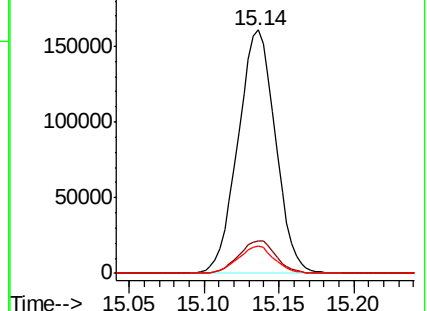
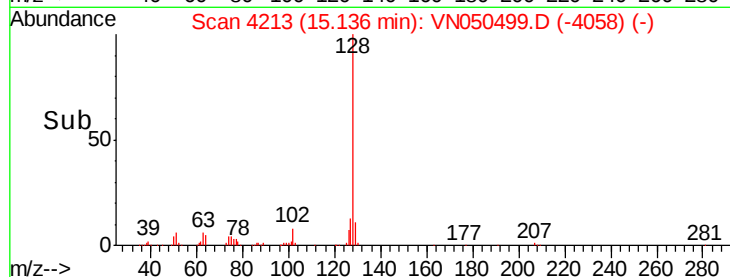
129 10.9 9.0 13.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#92

1,2,3-Trichlorobenzene

Concen: 17.37 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. -0.00 min

Lab File: VN050499.D

Acq: 9 Aug 2018 21:13

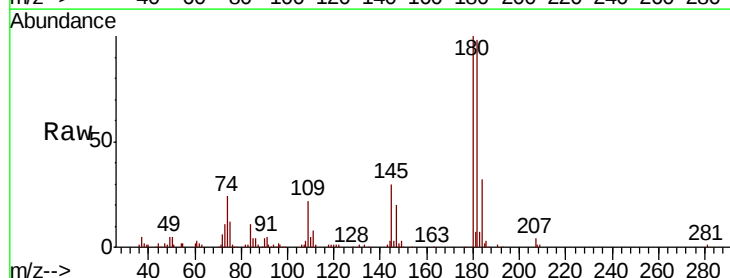
Tgt Ion:180 Resp: 136968

Ion Ratio Lower Upper

180 100

182 96.9 0.0 188.8

145 29.5 0.0 60.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

