

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN082919\
 Data File : VN057550.D
 Acq On : 29 Aug 2019 14:55
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Aug 29 17:28:44 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N082919W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	420598	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	655911	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	532594	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	157026	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	7965	1.10	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.20%	
35) Dibromofluoromethane	7.58	113	6538	1.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.78%	
50) Toluene-d8	10.08	98	20447	1.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.28%	
62) 4-Bromofluorobenzene	12.40	95	6639	1.09	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.18%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	4699	0.957	ug/l	81
3) Chloromethane	2.05	50	5449	0.810	ug/l	97
4) Vinyl Chloride	2.18	62	7367	0.880	ug/l	90
5) Bromomethane	2.56	94	7742	1.406	ug/l	94
6) Chloroethane	2.70	64	5425	0.998	ug/l	90
7) Trichlorofluoromethane	3.01	101	15051	1.102	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.74	101	8503	1.108	ug/l #	74
10) Methyl Iodide	3.93	142	13012	1.816	ug/l #	93
11) Tert butyl alcohol	4.79	59	3500	3.998	ug/l #	86
12) 1,1-Dichloroethene	3.72	96	8054	1.092	ug/l #	65
13) Acrolein	3.60	56	3584	4.717	ug/l	97
14) Allyl chloride	4.30	41	5399	0.553	ug/l #	67
15) Acrylonitrile	4.97	53	4742	2.008	ug/l #	84
16) Acetone	3.81	43	14266	4.075	ug/l	91
17) Carbon Disulfide	4.02	76	12016	0.902	ug/l #	93
18) Methyl Acetate	4.31	43	6948	0.840	ug/l #	90
19) Methyl tert-butyl Ether	5.03	73	15413	0.899	ug/l #	83
20) Methylene Chloride	4.53	84	6095	1.106	ug/l #	62
21) trans-1,2-Dichloroethene	5.01	96	3104	0.610	ug/l #	64
22) Diisopropyl ether	5.93	45	5581	0.290	ug/l #	43
23) Vinyl Acetate	5.88	43	46091	3.048	ug/l #	85
24) 1,1-Dichloroethane	5.83	63	8484	0.808	ug/l #	92
25) 2-Butanone	6.84	43	10847	3.114	ug/l #	89
26) 2,2-Dichloropropane	6.81	77	8796	0.940	ug/l	93
27) cis-1,2-Dichloroethene	6.81	96	5975	0.985	ug/l	83
28) Bromochloromethane	7.18	49	2247	0.415	ug/l #	25
29) Tetrahydrofuran	7.21	42	7120	3.131	ug/l #	80
30) Chloroform	7.36	83	11570	1.028	ug/l	84
31) Cyclohexane	7.65	56	16697	1.682	ug/l #	31
32) 1,1,1-Trichloroethane	7.55	97	5210	0.553	ug/l #	38
36) 1,1-Dichloropropene	7.78	75	6706	0.976	ug/l	99
37) Ethyl Acetate	6.93	43	1686	0.265	ug/l #	59
38) Carbon Tetrachloride	7.75	117	3877	0.550	ug/l	85
39) Methylcyclohexane	9.07	83	8398	1.019	ug/l #	85

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Quant Time: Aug 29 17:28:44 2019
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 Quant Title : SW846 8260
 QLast Update : Thu Aug 29 17:26:16 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.03	78	21312	1.031	ug/l	97
41) Methacrylonitrile	7.17	41	1283	0.427	ug/l #	64
42) 1,2-Dichloroethane	8.12	62	7840	0.998	ug/l	99
43) Isopropyl Acetate	8.16	43	9252	0.790	ug/l #	78
44) Trichloroethene	8.83	130	5547	1.157	ug/l	87
45) 1,2-Dichloropropane	9.11	63	5144	0.909	ug/l	92
46) Dibromomethane	9.20	93	3970	1.061	ug/l #	86
47) Bromodichloromethane	9.39	83	7918	1.023	ug/l	97
48) Methyl methacrylate	9.19	41	4499	0.812	ug/l #	86
49) 1,4-Dioxane	9.20	88	1336	17.619	ug/l #	82
51) 4-Methyl-2-Pentanone	9.98	43	21719	3.337	ug/l	91
52) Toluene	10.15	92	12724	1.040	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	7219	0.898	ug/l	95
54) cis-1,3-Dichloropropene	9.83	75	7778	0.873	ug/l #	85
55) 1,1,2-Trichloroethane	10.56	97	4902	0.995	ug/l #	92
56) Ethyl methacrylate	10.43	69	6460	0.866	ug/l	99
57) 1,3-Dichloropropane	10.70	76	8268	0.989	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.69	63	6429	3.644	ug/l #	89
59) 2-Hexanone	10.75	43	15320	3.426	ug/l	90
60) Dibromochloromethane	10.90	129	5091	0.957	ug/l	97
61) 1,2-Dibromoethane	11.00	107	5079	1.041	ug/l	93
64) Tetrachloroethene	10.63	164	5746	1.435	ug/l #	82
65) Chlorobenzene	11.43	112	12184	1.073	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.51	131	4886	1.116	ug/l #	55
67) Ethyl Benzene	11.51	91	22320	1.034	ug/l	95
68) m/p-Xylenes	11.62	106	15490	2.066	ug/l	93
69) o-Xylene	11.95	106	8240	1.114	ug/l	90
70) Stvrene	11.97	104	10505	0.896	ug/l	95
71) Bromoform	12.13	173	2873	0.966	ug/l #	98
73) Isopropylbenzene	12.25	105	20733	1.181	ug/l	98
74) N-amyl acetate	12.07	43	5011	0.667	ug/l #	83
75) 1,1,2,2-Tetrachloroethane	12.51	83	4901	0.973	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	6739	1.731	ug/l #	100
77) Bromobenzene	12.53	156	4446	1.247	ug/l	86
78) n-propylbenzene	12.59	91	19047	1.030	ug/l	95
79) 2-Chlorotoluene	12.68	91	12359	1.122	ug/l	94
80) 1,3,5-Trimethylbenzene	12.73	105	13806	0.993	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.30	75	1538	1.039	ug/l #	88
82) 4-Chlorotoluene	12.78	91	10255	0.974	ug/l	85
83) tert-Butylbenzene	12.99	119	15381	1.238	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	11472	0.930	ug/l	96
85) sec-Butylbenzene	13.17	105	15255	1.007	ug/l	99
86) p-Isopropyltoluene	13.29	119	11715	0.937	ug/l	96
87) 1,3-Dichlorobenzene	13.29	146	5326	1.016	ug/l	97
88) 1,4-Dichlorobenzene	13.29	146	5326	1.042	ug/l	96
89) n-Butylbenzene	13.62	91	8696	0.840	ug/l	88
90) Hexachloroethane	13.88	117	3260	1.151	ug/l	85
91) 1,2-Dichlorobenzene	13.66	146	4534	0.907	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.28	75	345	0.426	ug/l #	1
93) 1,2,4-Trichlorobenzene	14.91	180	616	0.337	ug/l #	1

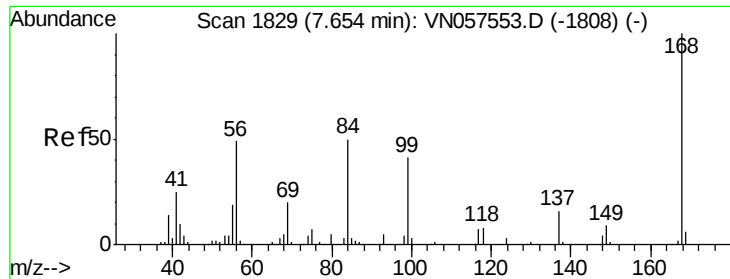
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QLast Update : Thu Aug 29 17:26:16 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	1704	1.093	ug/l	90
95) Naphthalene	15.13	128	4742	0.800	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.30	180	1756	0.927	ug/l	92

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

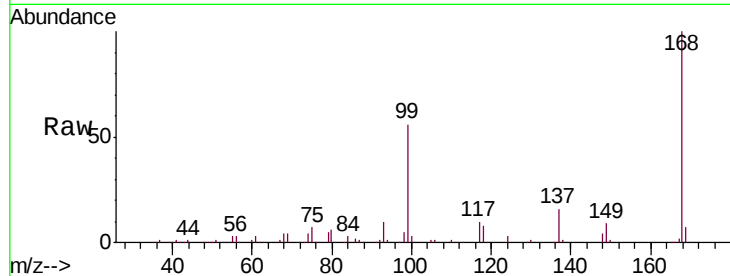
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 420598

Ion Ratio Lower Upper

168 100

99 55.3 50.6 76.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.65

200000

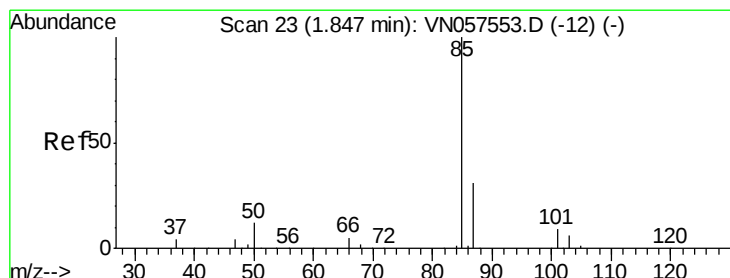
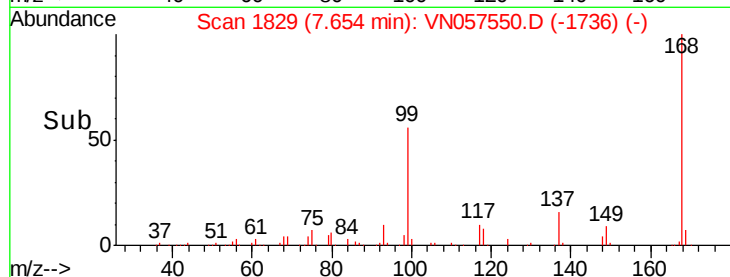
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 0.957 ug/l

RT: 1.85 min Scan# 23

Delta R.T. -0.00 min

Lab File: VN057550.D

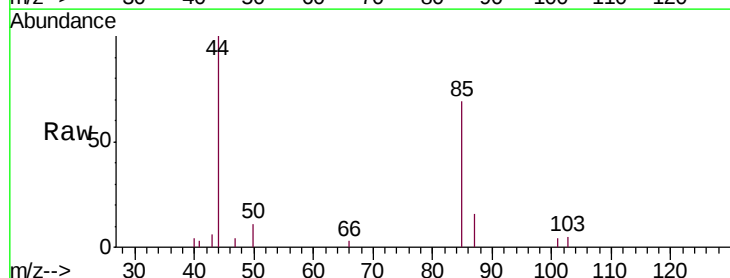
Acq: 29 Aug 2019 14:55

Tgt Ion: 85 Resp: 4699

Ion Ratio Lower Upper

85 100

87 23.0 17.1 51.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

4000

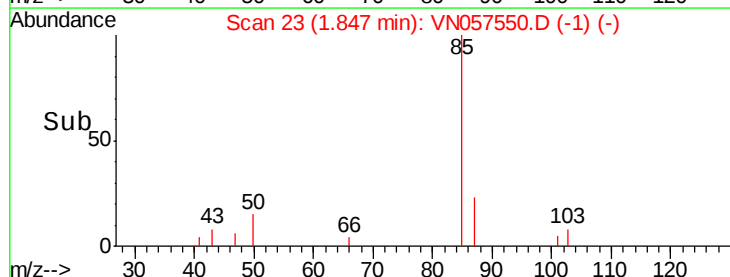
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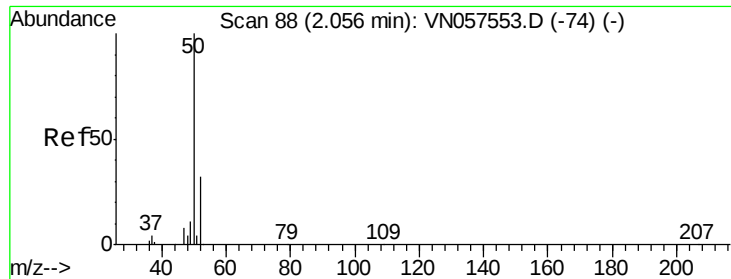
2000

1000

0

Time-->





#3

Chloromethane

Concen: 0.810 ug/l

RT: 2.05 min Scan# 87

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

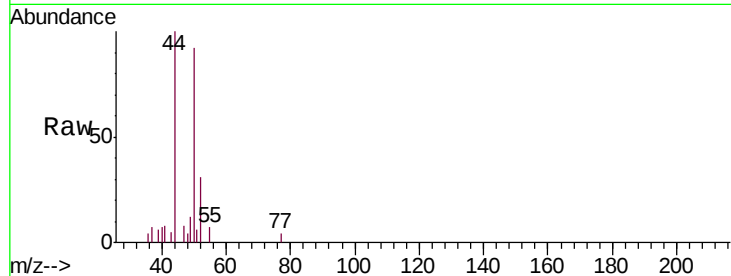
ClientSampleId :

Tot Ion: 50 Resp: 5449

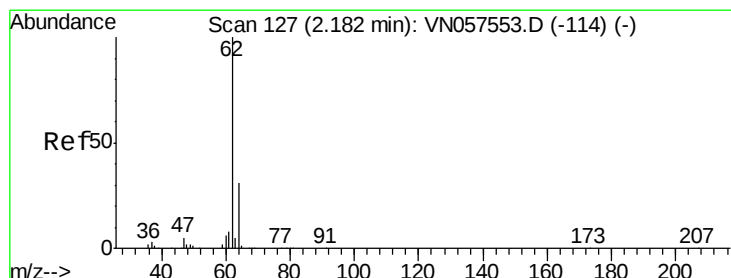
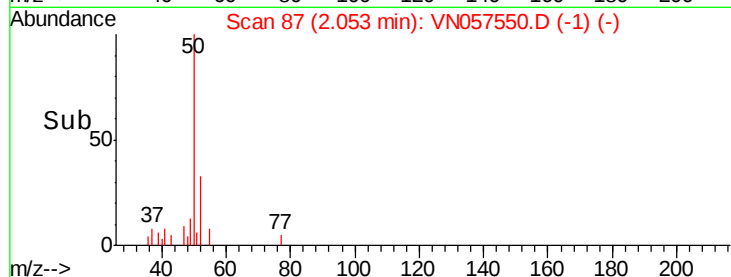
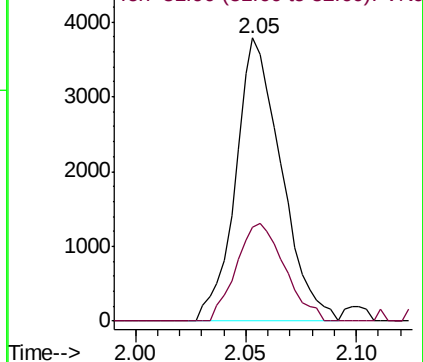
Ion Ratio Lower Upper

50 100

52 33.1 25.1 37.7



Abundance Ion 49.90 (49.60 to 50.60): VNO
Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.880 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057550.D

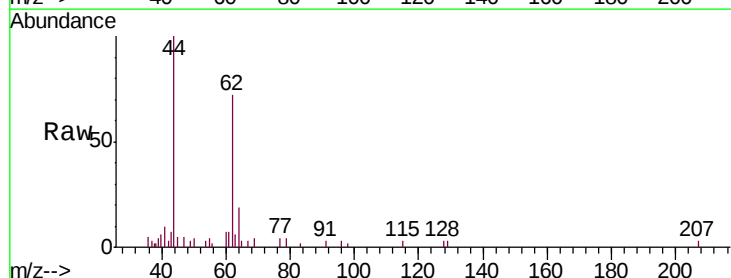
Acq: 29 Aug 2019 14:55

Tgt Ion: 62 Resp: 7367

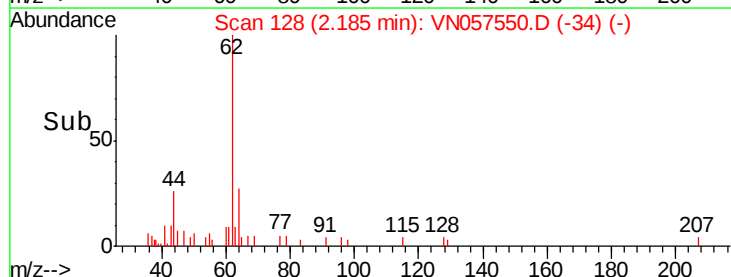
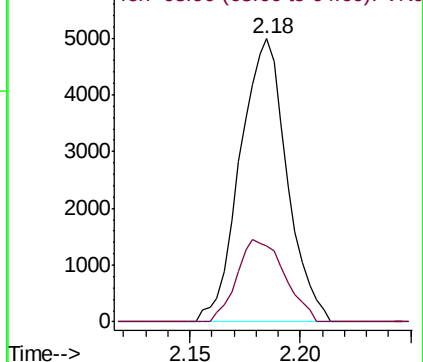
Ion Ratio Lower Upper

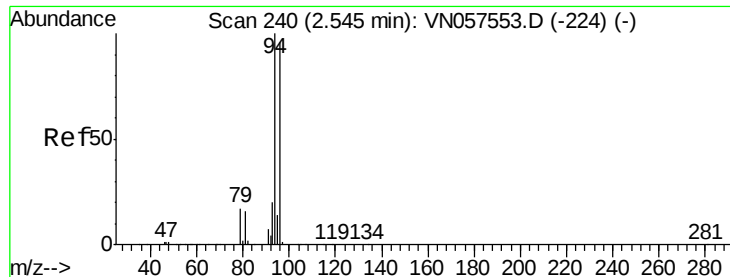
62 100

64 26.9 25.8 38.8



Abundance Ion 61.90 (61.60 to 62.60): VNO
Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.406 ug/l

RT: 2.56 min Scan# 244

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

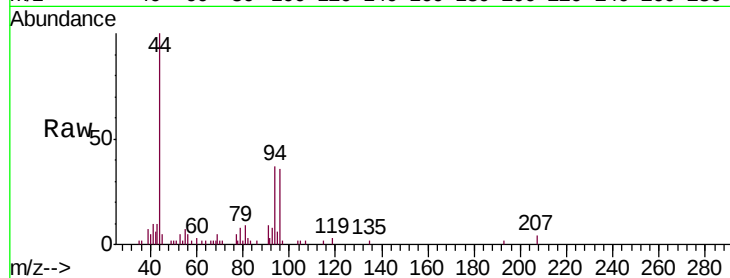
ClientSampleId :

Tot Ion: 94 Resp: 7742

Ion Ratio Lower Upper

94 100

96 89.9 76.2 114.4



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.56

3000

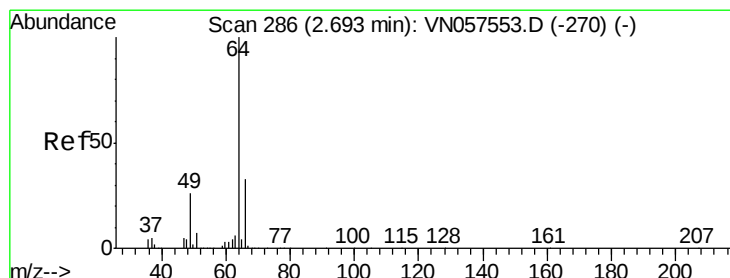
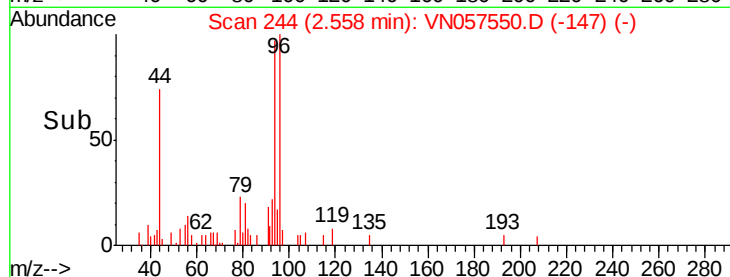
2000

1000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 0.998 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.01 min

Lab File: VN057550.D

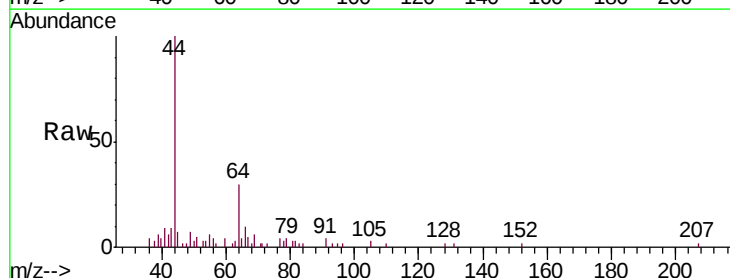
Acq: 29 Aug 2019 14:55

Tgt Ion: 64 Resp: 5425

Ion Ratio Lower Upper

64 100

66 27.6 26.8 40.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.70

3000

2500

2000

1500

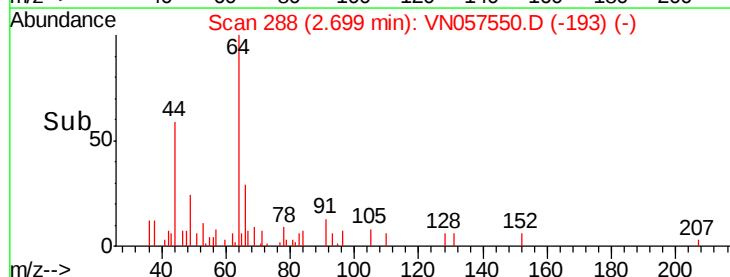
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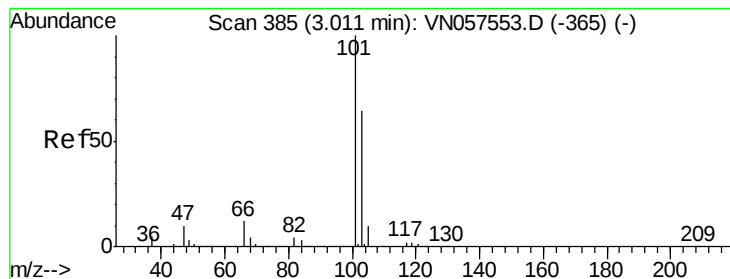
500

0

Time-->

2.65 2.70 2.75



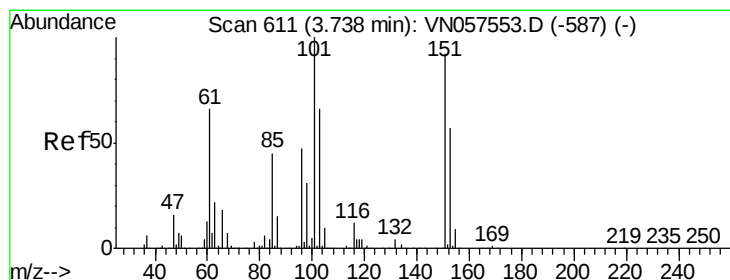
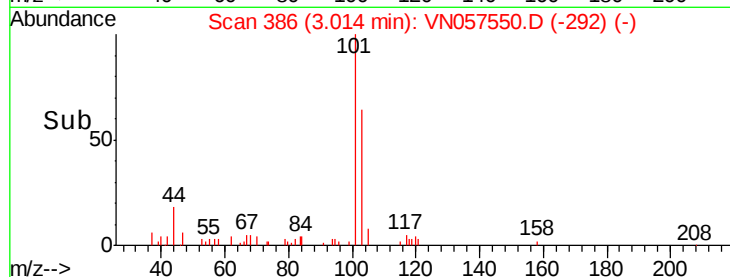
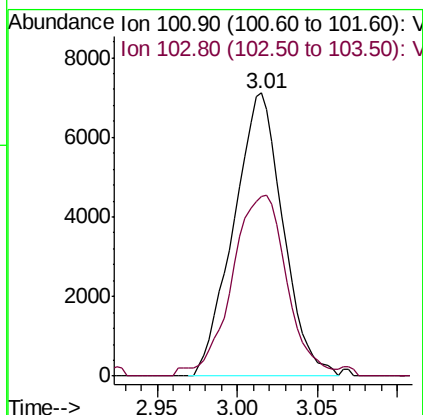
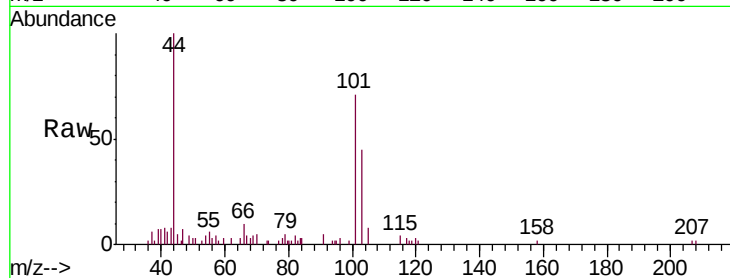


#7

Trichlorofluoromethane
Concen: 1.102 ug/l
RT: 3.01 min Scan# 386
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

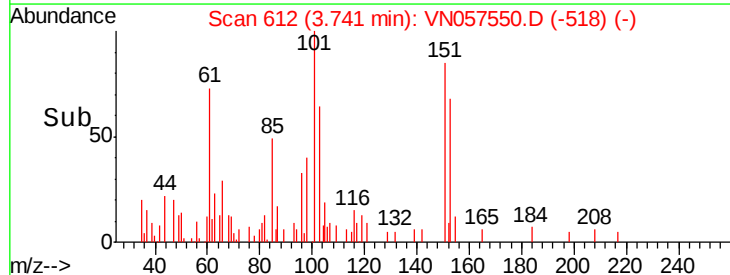
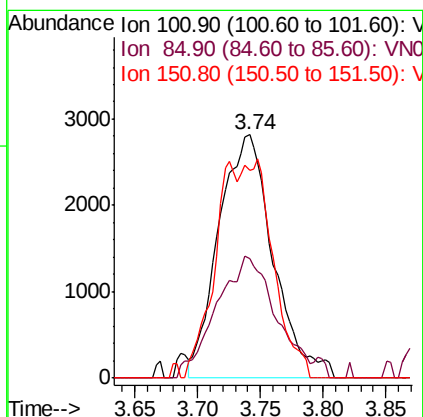
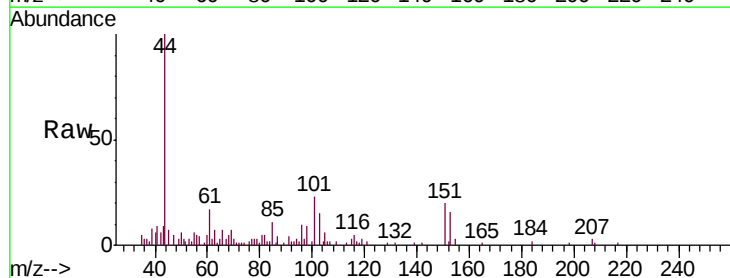
Tot Ion:101 Resp: 15051
Ion Ratio Lower Upper
101 100
103 61.1 52.6 78.8

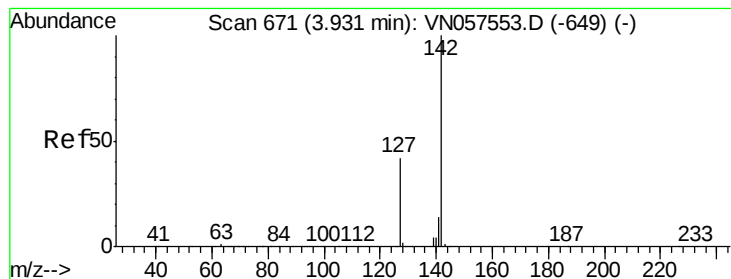


#9

1,1,2-Trichlorotrifluoroethane
Concen: 1.108 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion:101 Resp: 8503
Ion Ratio Lower Upper
101 100
85 54.4 40.0 60.0
151 38.9 57.0 85.6#





#10

Methvl Iodide

Concen: 1.816 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

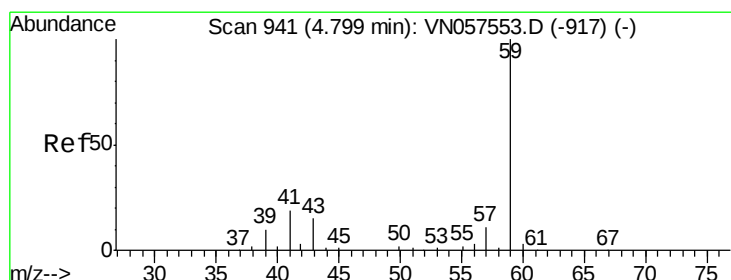
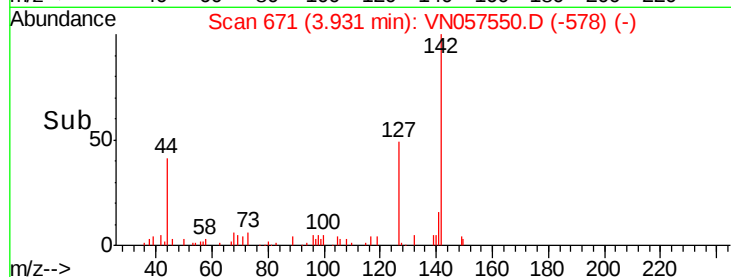
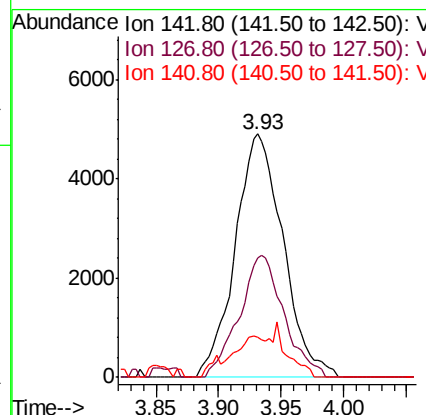
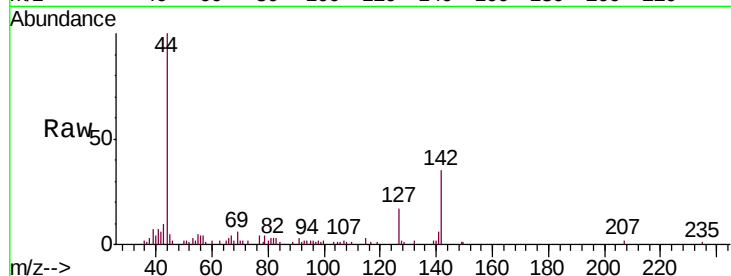
Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:142 Resp: 13012

Ion	Ratio	Lower	Upper
142	100		
127	46.5	37.8	56.8
141	5.2	11.9	17.9#



#11

Tert butyl alcohol

Concen: 3.998 ug/l

RT: 4.79 min Scan# 937

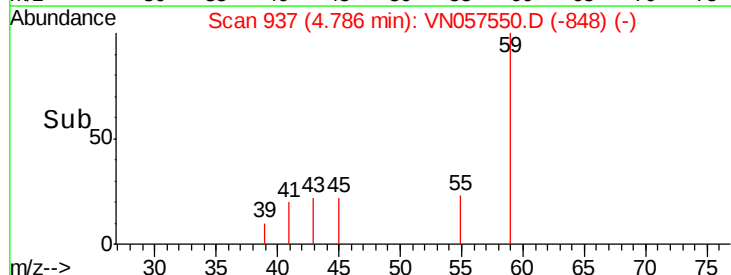
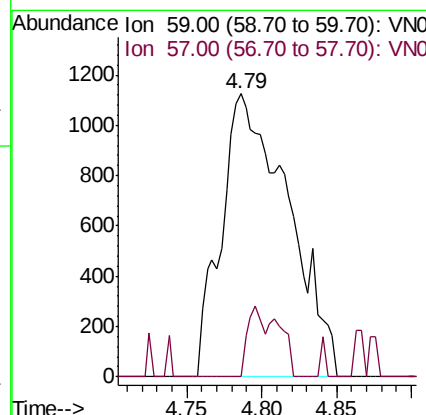
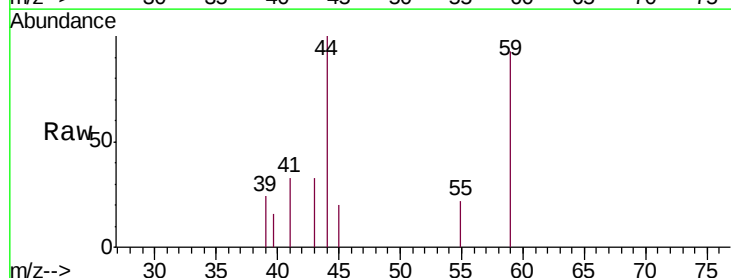
Delta R.T. -0.01 min

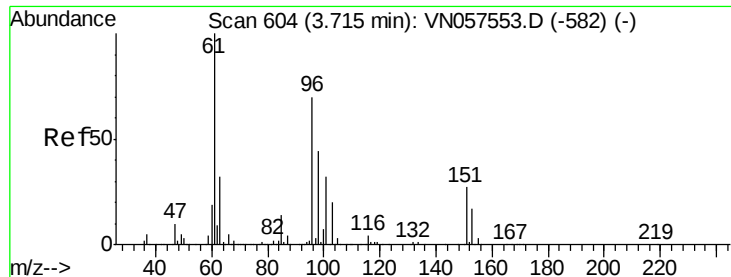
Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion: 59 Resp: 3500

Ion	Ratio	Lower	Upper
59	100		
57	5.9	9.1	13.7#





#12

1,1-Dichloroethene

Concen: 1.092 ug/l

RT: 3.72 min Scan# 605

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampled :

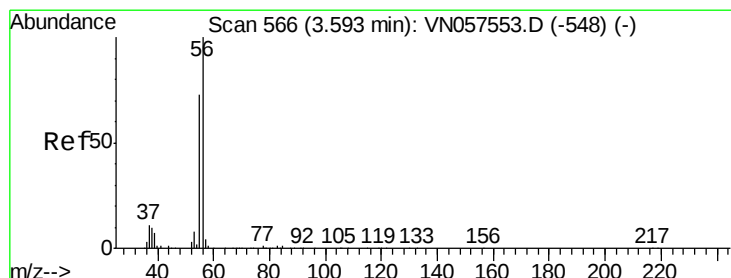
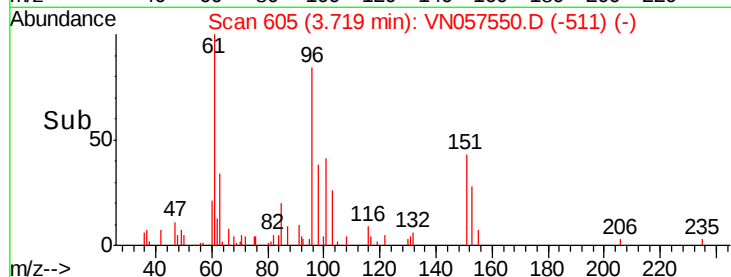
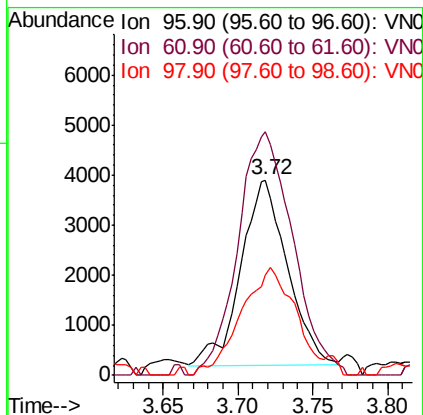
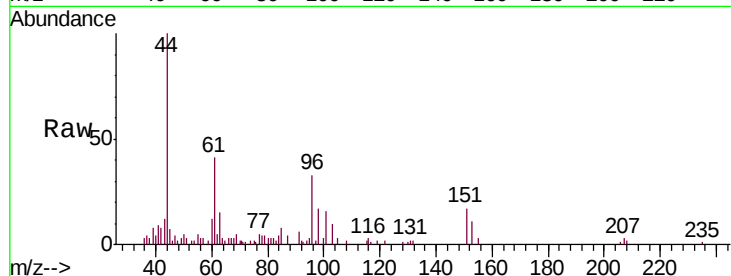
Tot Ion: 96 Resp: 8054

Ion Ratio Lower Upper

96 100

61 131.3 155.3 232.9#

98 54.1 50.2 75.2



#13

Acrolein

Concen: 4.717 ug/l

RT: 3.60 min Scan# 567

Delta R.T. 0.00 min

Lab File: VN057550.D

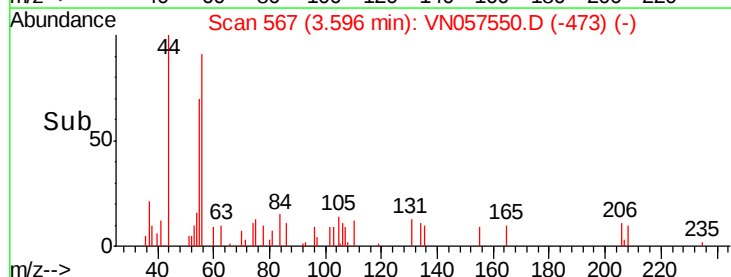
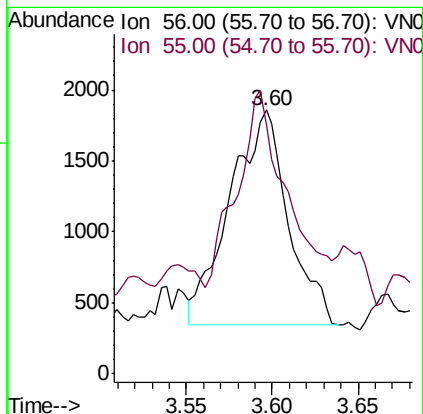
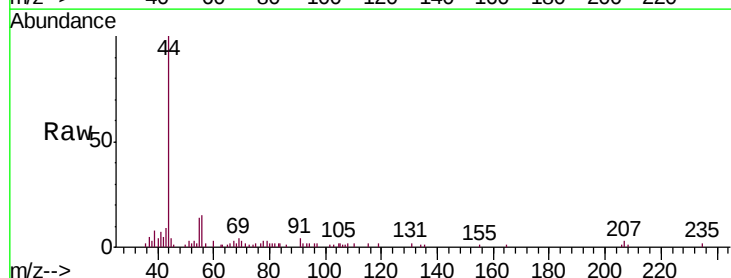
Acq: 29 Aug 2019 14:55

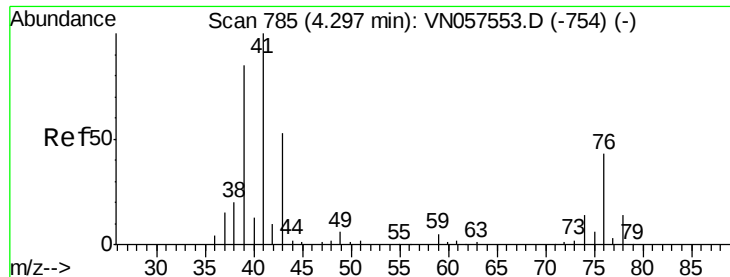
Tgt Ion: 56 Resp: 3584

Ion Ratio Lower Upper

56 100

55 76.4 59.0 88.4

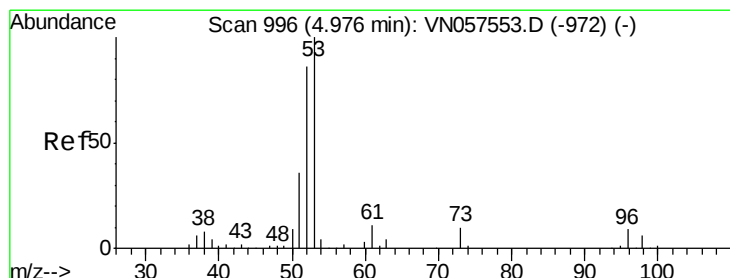
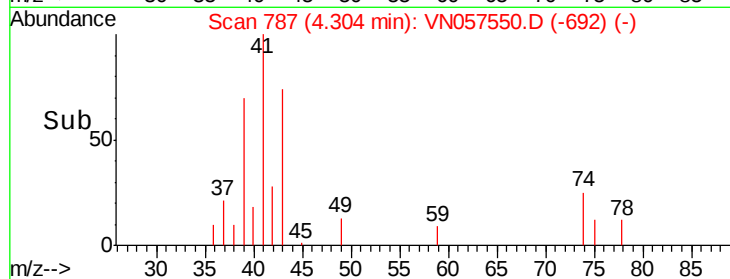
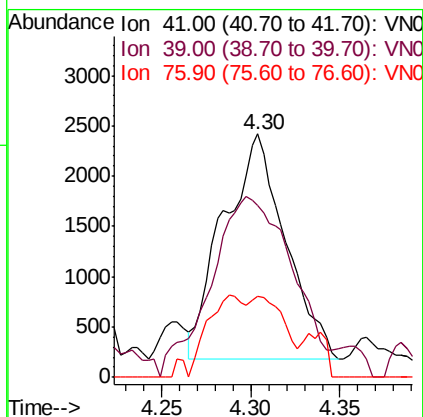
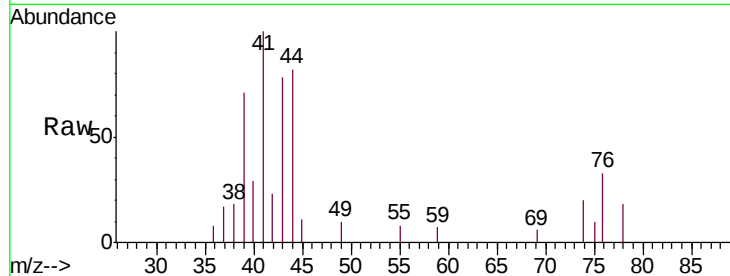




#14
Allvl chloride
Concen: 0.553 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

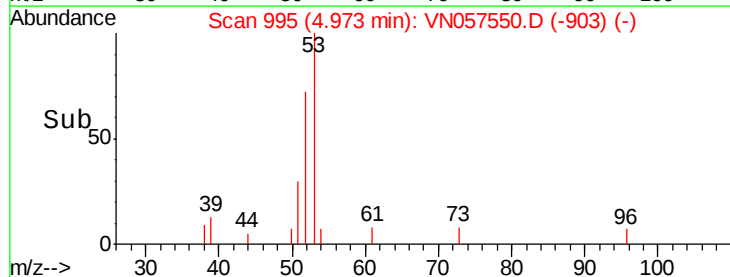
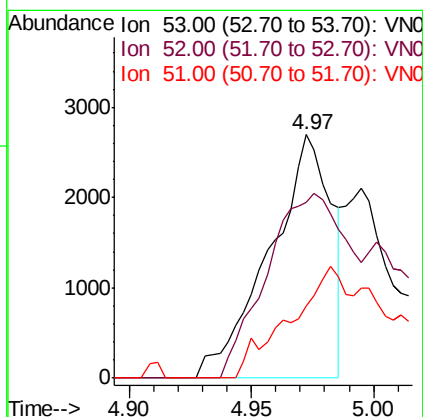
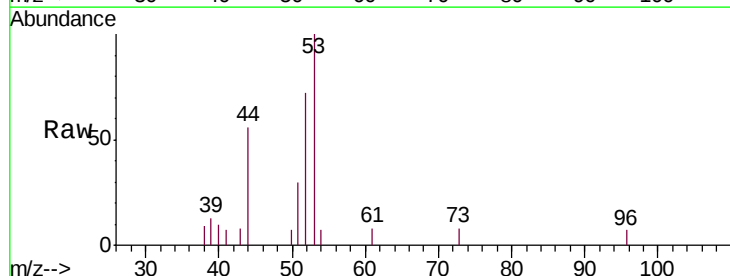
Instrument :
MSVOA_N
ClientSampled :

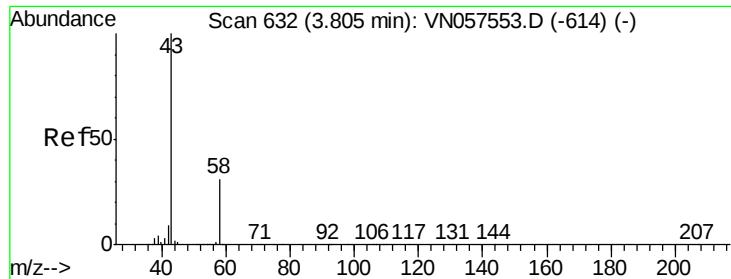
Tot Ion: 41 Resp: 5399
Ion Ratio Lower Upper
41 100
39 106.3 57.4 86.2#
76 22.2 22.9 34.3#



#15
Acrylonitrile
Concen: 2.008 ug/l
RT: 4.97 min Scan# 995
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 53 Resp: 4742
Ion Ratio Lower Upper
53 100
52 100.7 67.0 100.6#
51 44.0 29.9 44.9





#16

Acetone

Concen: 4.075 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

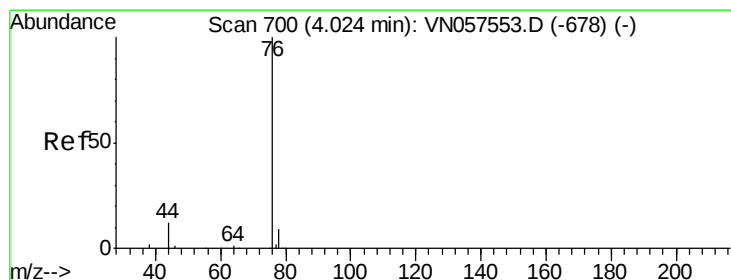
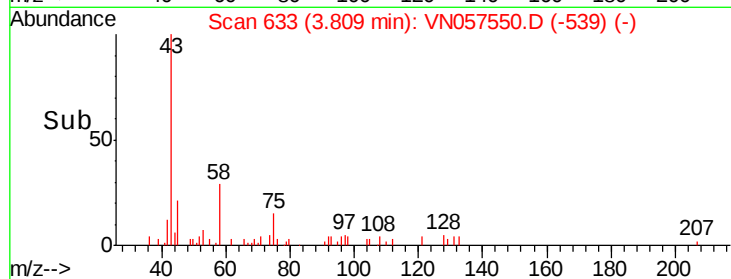
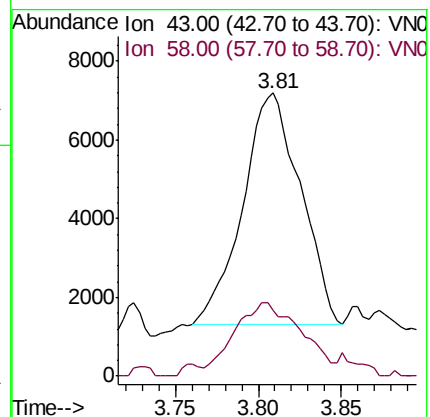
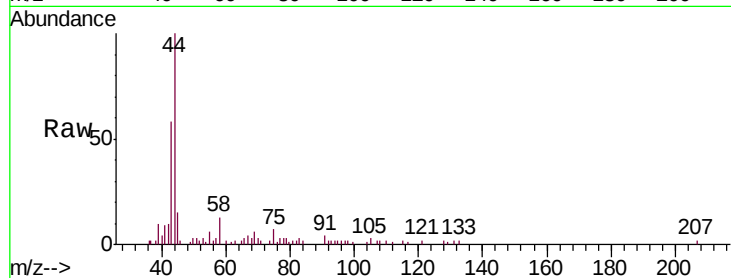
ClientSampled :

Tot Ion: 43 Resp: 14266

Ion Ratio Lower Upper

43 100

58 23.0 22.1 33.1



#17

Carbon Disulfide

Concen: 0.902 ug/l

RT: 4.02 min Scan# 700

Delta R.T. -0.00 min

Lab File: VN057550.D

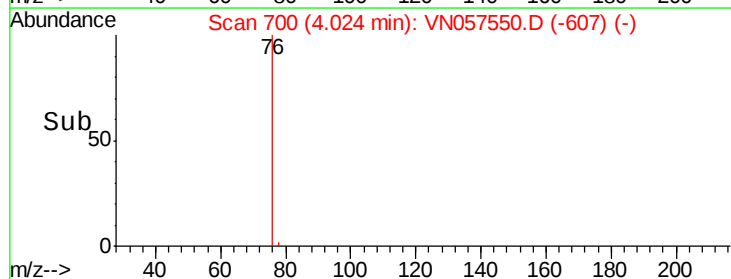
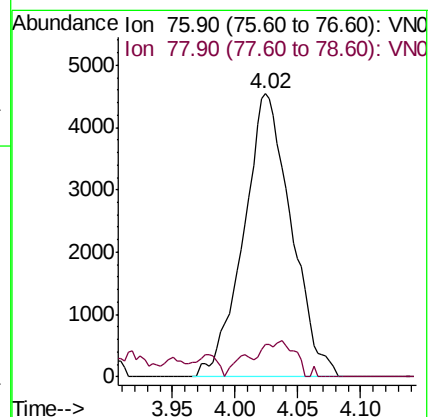
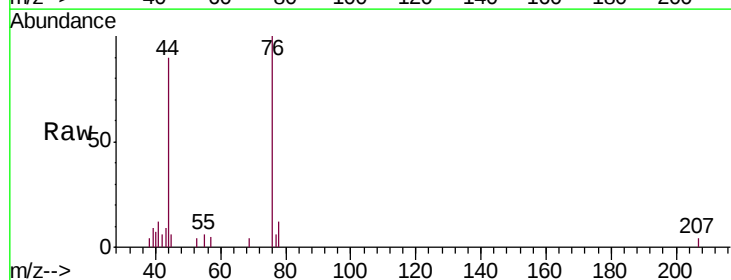
Acq: 29 Aug 2019 14:55

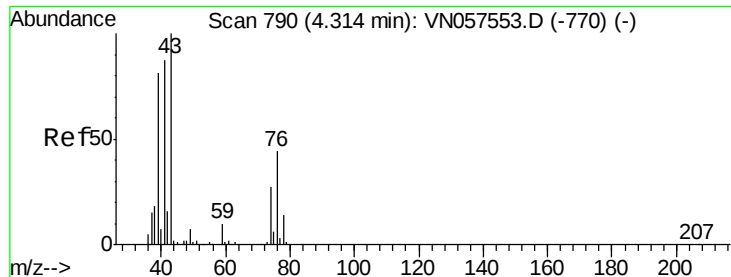
Tgt Ion: 76 Resp: 12016

Ion Ratio Lower Upper

76 100

78 11.5 7.1 10.7#

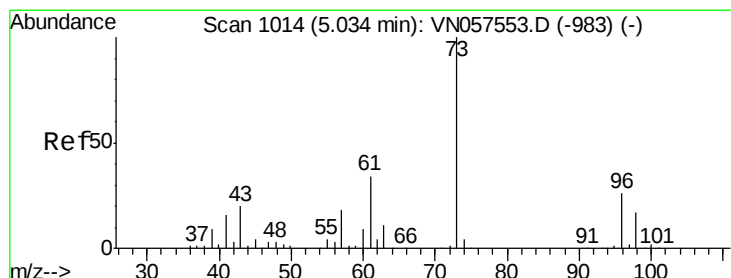
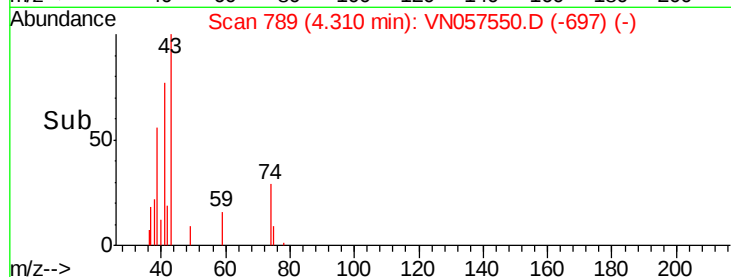
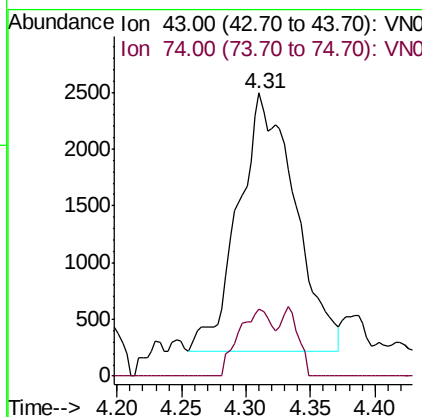
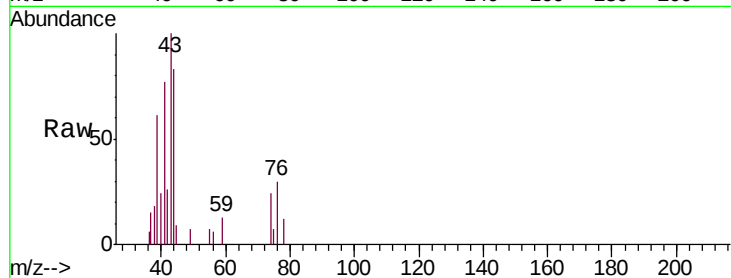




#18
Methyl Acetate
Concen: 0.840 ug/l
RT: 4.31 min Scan# 789
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

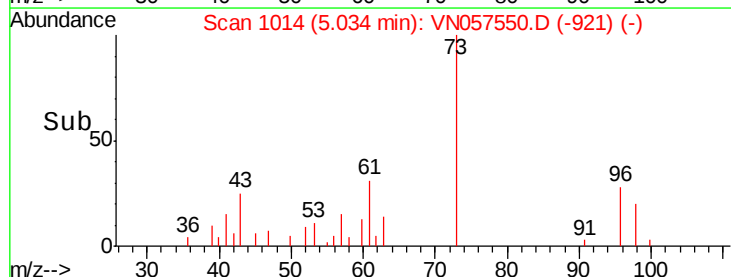
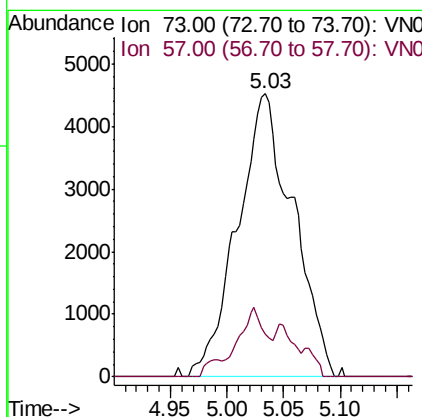
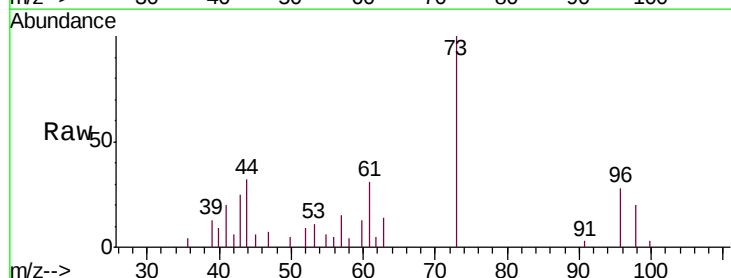
Instrument :
MSVOA_N
ClientSampled :

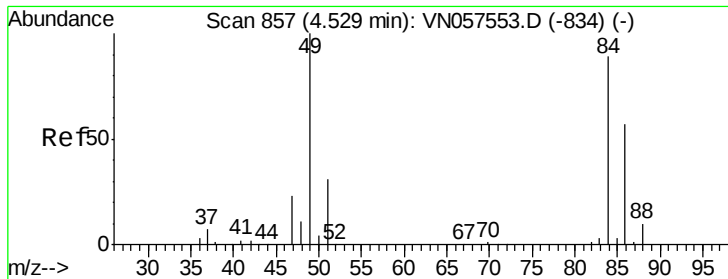
Tot Ion: 43 Resp: 6948
Ion Ratio Lower Upper
43 100
74 15.5 15.9 23.9#



#19
Methyl tert-butyl Ether
Concen: 0.899 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 73 Resp: 15413
Ion Ratio Lower Upper
73 100
57 15.3 19.1 28.7#

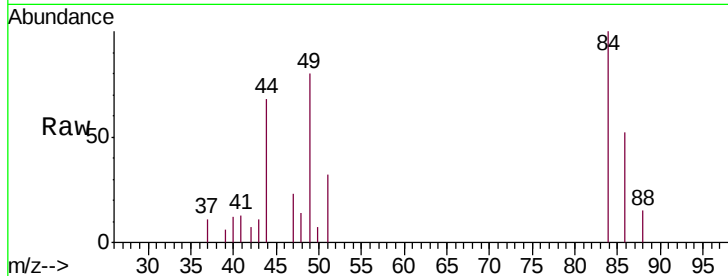




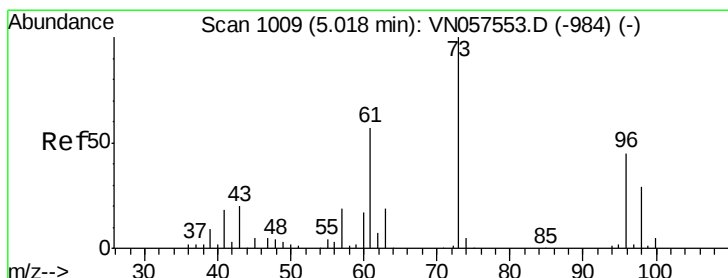
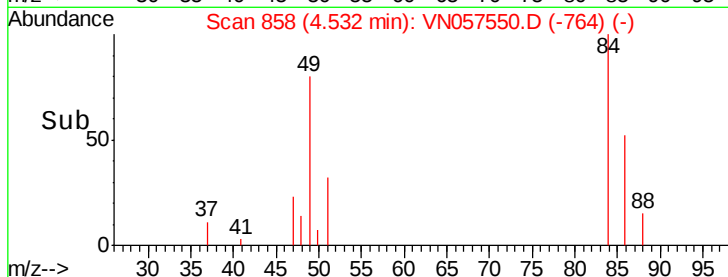
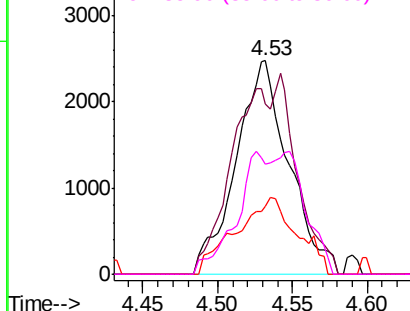
#20
Methvlene Chloride
Concen: 1.106 ug/l
RT: 4.53 min Scan# 858
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 6095
Ion Ratio Lower Upper
84 100
49 79.7 117.0 175.4#
51 31.8 35.5 53.3#
86 51.6 49.8 74.8

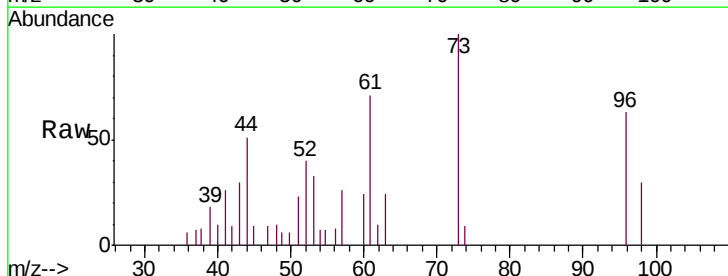


Abundance Ion 83.90 (83.60 to 84.60): VNO
Ion 48.90 (48.60 to 49.60): VNO
Ion 50.90 (50.60 to 51.60): VNO
Ion 85.90 (85.60 to 86.60): VNO

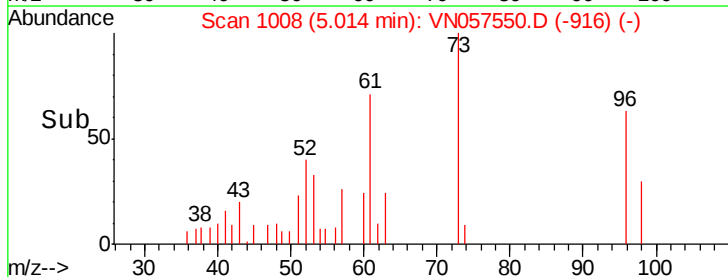
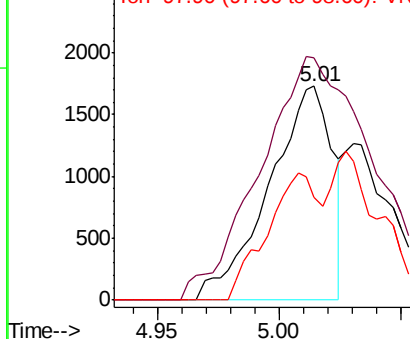


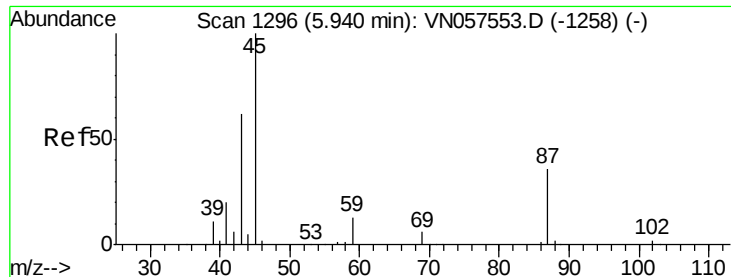
#21
trans-1,2-Dichloroethene
Concen: 0.610 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 96 Resp: 3104
Ion Ratio Lower Upper
96 100
61 104.6 127.9 191.9#
98 47.9 50.6 76.0#



Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

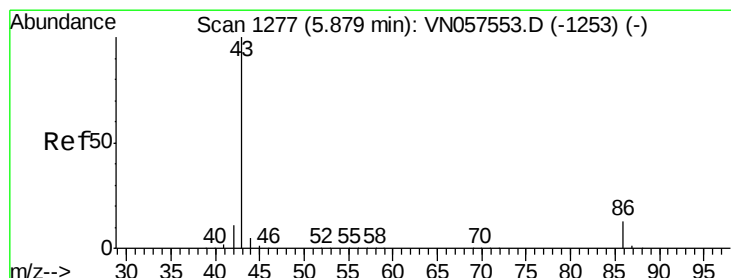
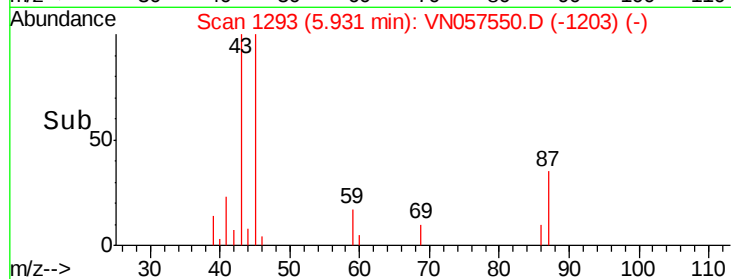
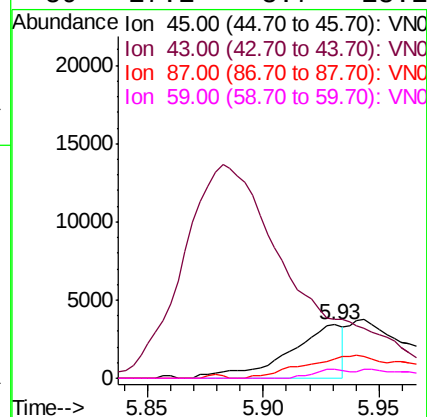
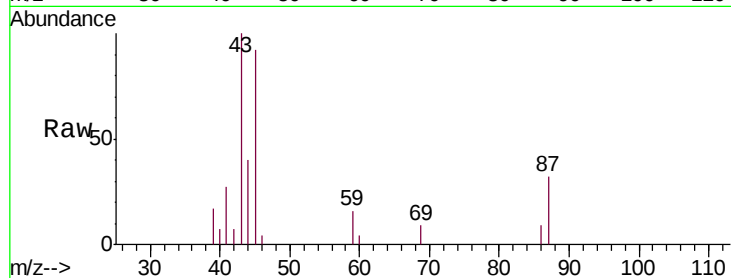




#22
 Diisopropyl ether
 Concen: 0.290 ug/l
 RT: 5.93 min Scan# 1293
 Delta R.T. -0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

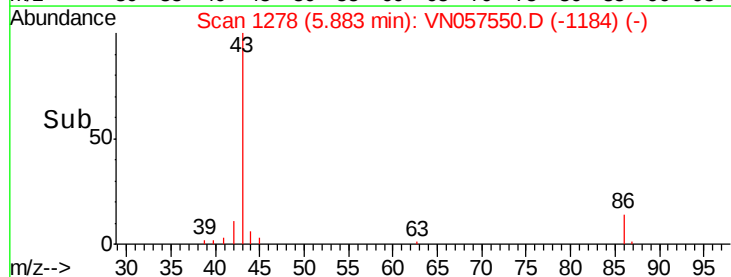
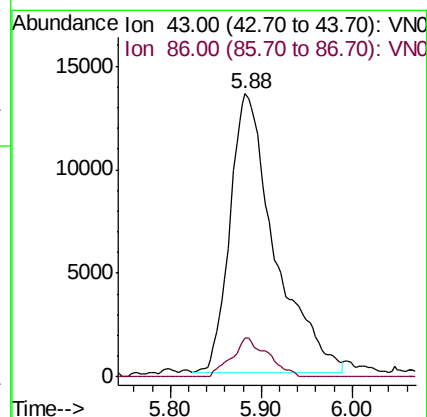
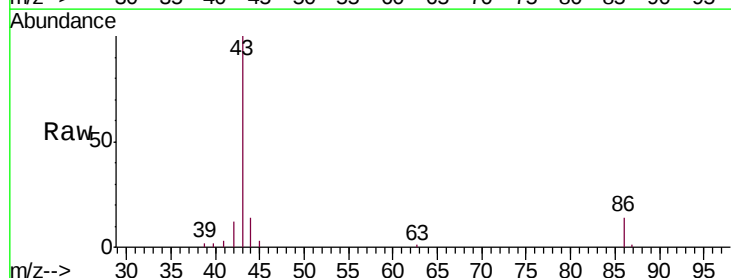
Instrument :
 MSVOA_N
 ClientSampleId :

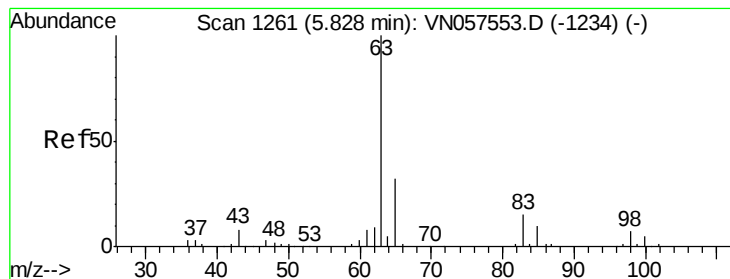
Tot Ion:	45	Resp:	5581
Ion	Ratio	Lower	Upper
45	100		
43	0.0	46.9	70.3#
87	35.2	19.3	28.9#
59	17.1	8.7	13.1#



#23
 Vinyl Acetate
 Concen: 3.048 ug/l
 RT: 5.88 min Scan# 1278
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion:	43	Resp:	46091
Ion	Ratio	Lower	Upper
43	100		
86	13.8	6.7	10.1#





#24

1,1-Dichloroethane

Concen: 0.808 ug/l

RT: 5.83 min Scan# 1263

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

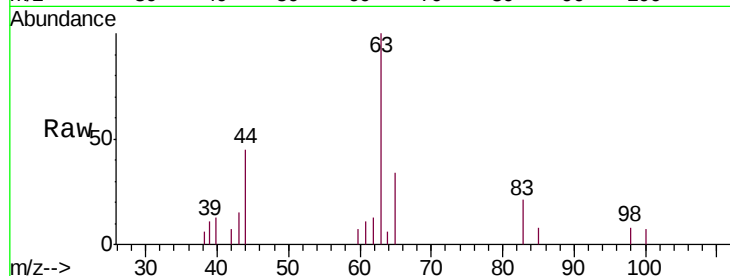
Tot Ion: 63 Resp: 8484

Ion Ratio Lower Upper

63 100

98 7.9 2.9 8.6

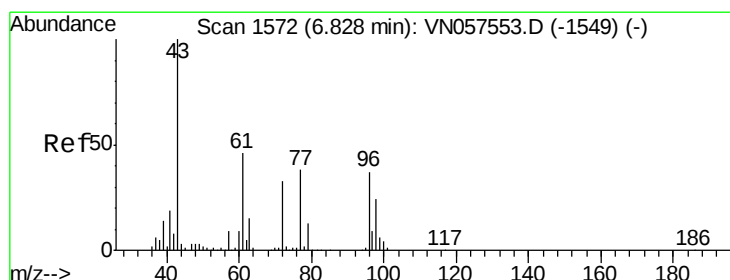
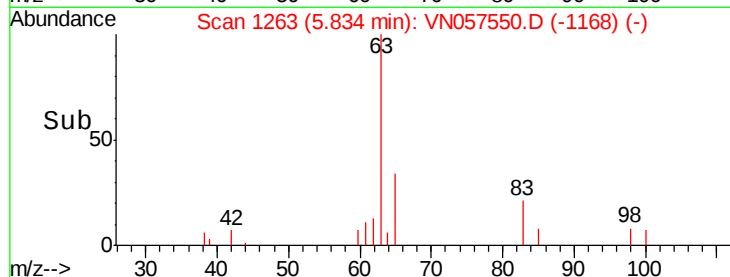
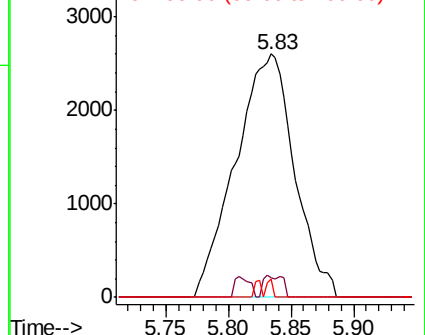
100 7.3 2.1 6.3#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0



#25

2-Butanone

Concen: 3.114 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.01 min

Lab File: VN057550.D

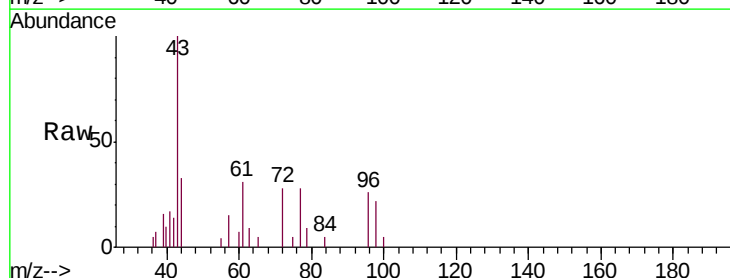
Acq: 29 Aug 2019 14:55

Tgt Ion: 43 Resp: 10847

Ion Ratio Lower Upper

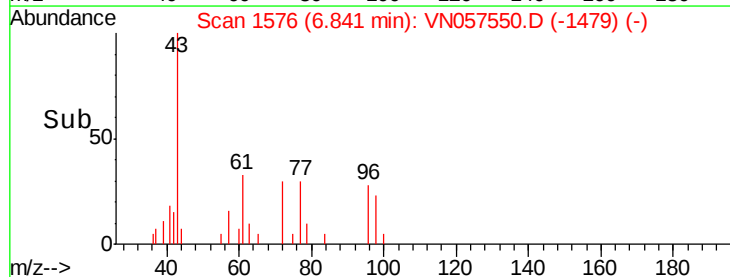
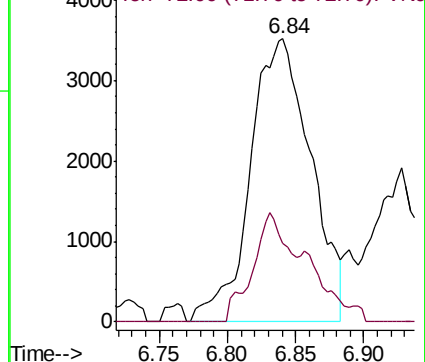
43 100

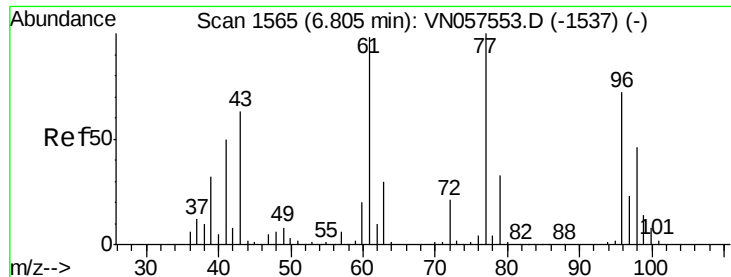
72 27.7 17.8 26.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

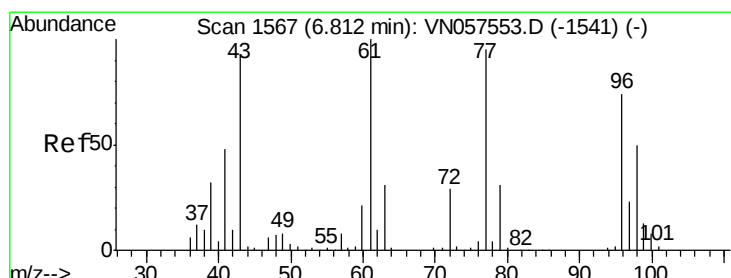
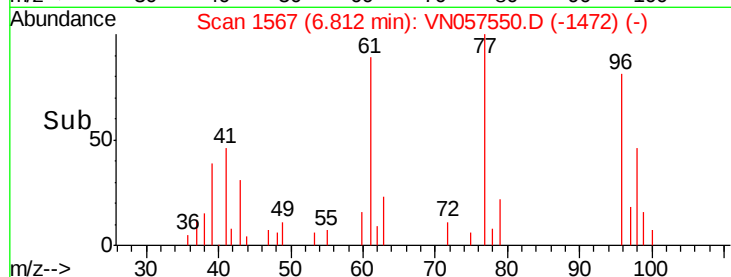
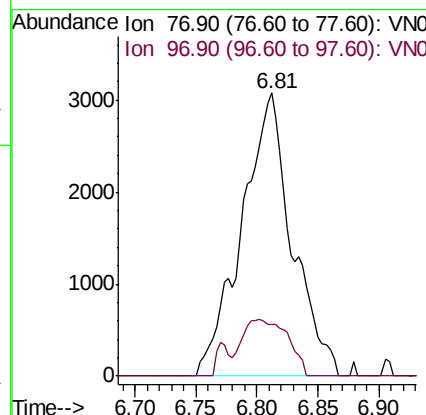
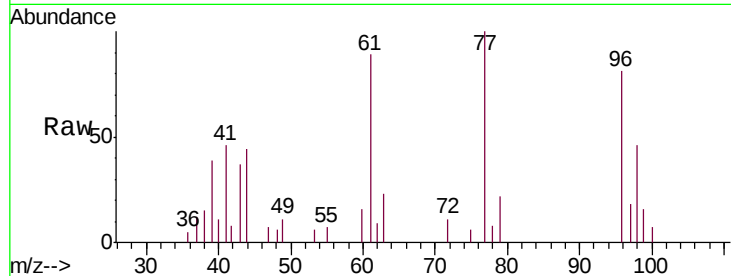




#26
 2,2-Dichloropropane
 Concen: 0.940 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

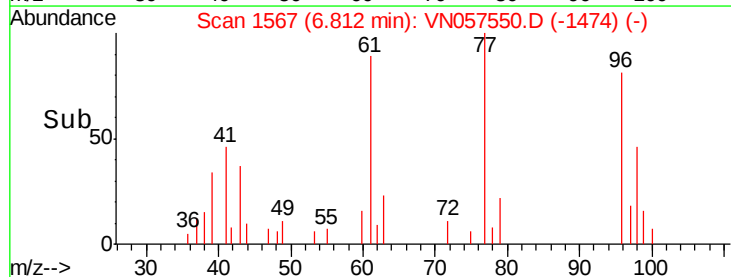
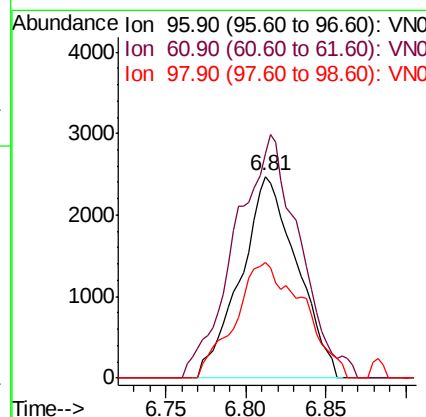
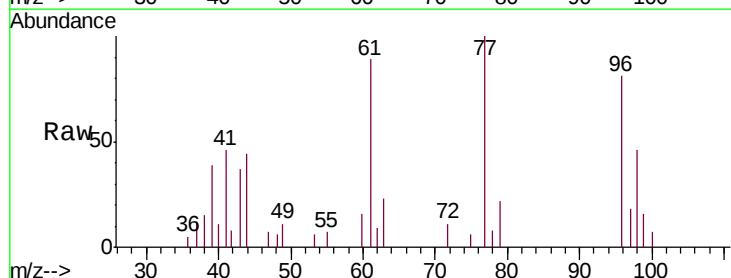
Instrument :
 MSVOA_N
 ClientSampleId :

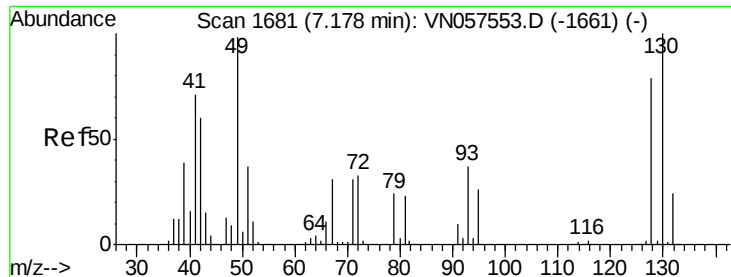
Tot Ion: 77 Resp: 8796
 Ion Ratio Lower Upper
 77 100
 97 18.1 10.8 32.3



#27
 cis-1,2-Dichloroethene
 Concen: 0.985 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion: 96 Resp: 5975
 Ion Ratio Lower Upper
 96 100
 61 138.5 0.0 334.8
 98 69.5 0.0 127.4

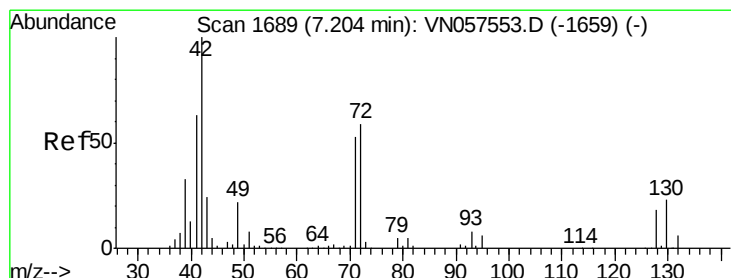
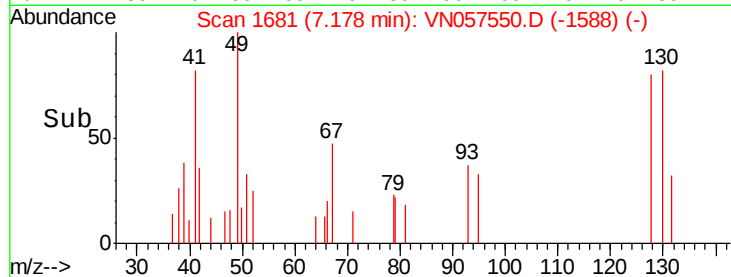
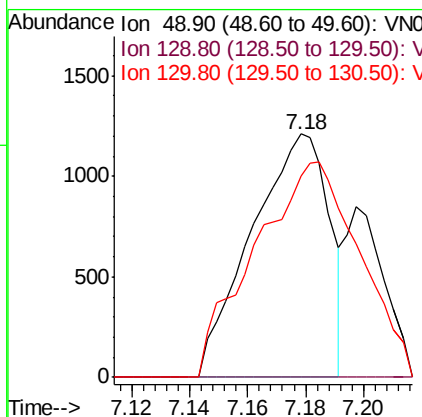
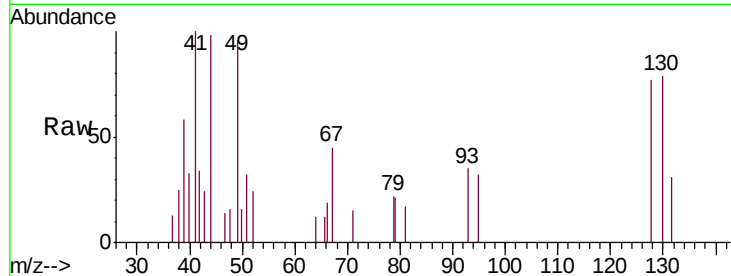




#28
Bromochloromethane
Concen: 0.415 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

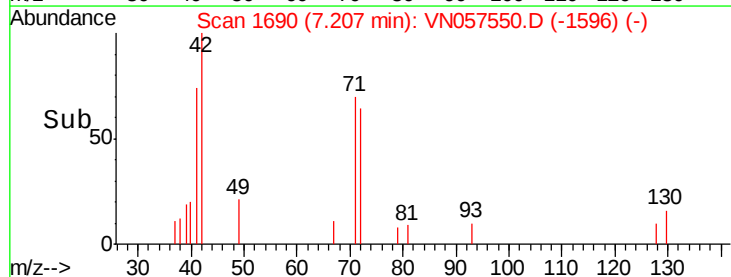
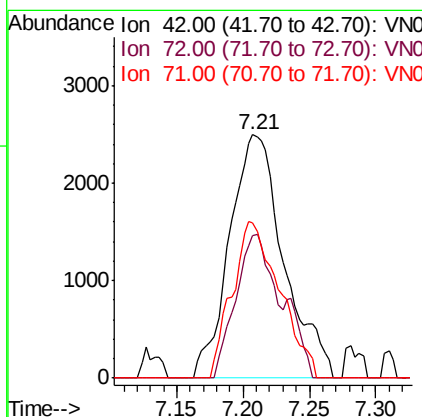
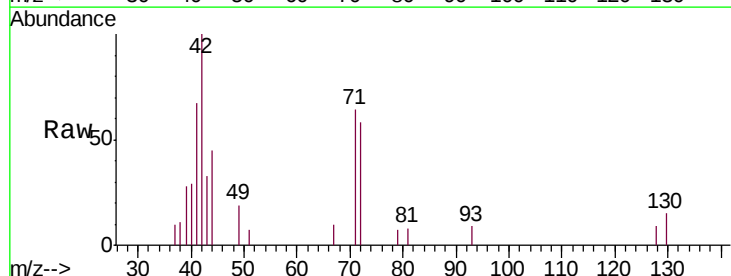
Instrument :
MSVOA_N
ClientSampleId :

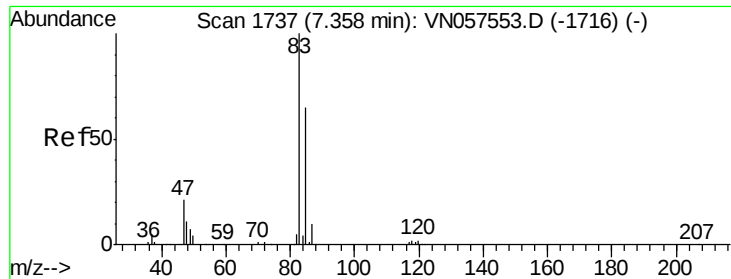
Tot Ion: 49 Resp: 2247
Ion Ratio Lower Upper
49 100
129 0.0 0.0 3.6
130 119.5 48.6 72.8#



#29
Tetrahydrofuran
Concen: 3.131 ug/l
RT: 7.21 min Scan# 1690
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 42 Resp: 7120
Ion Ratio Lower Upper
42 100
72 41.0 30.1 45.1
71 56.1 28.8 43.2#

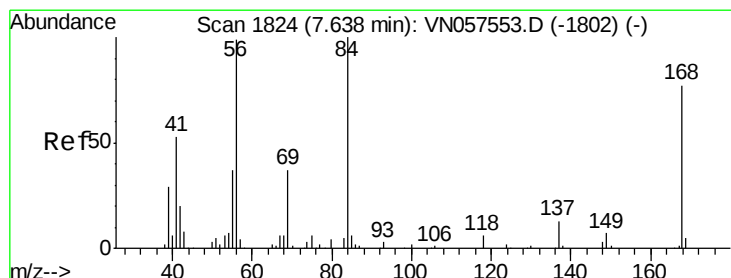
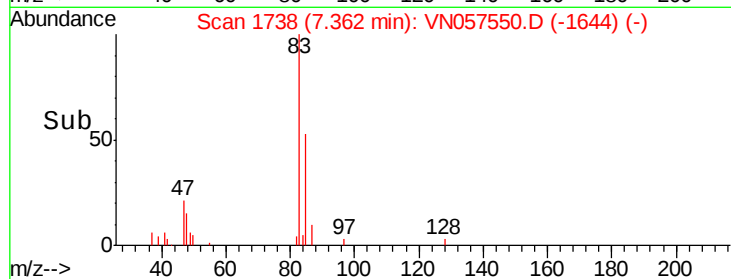
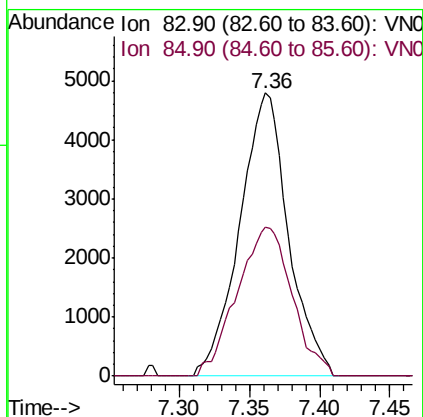
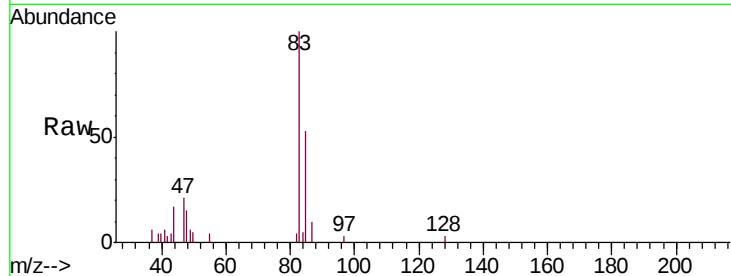




#30
Chloroform
Concen: 1.028 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

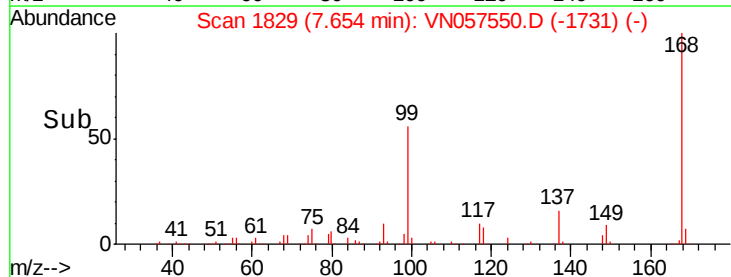
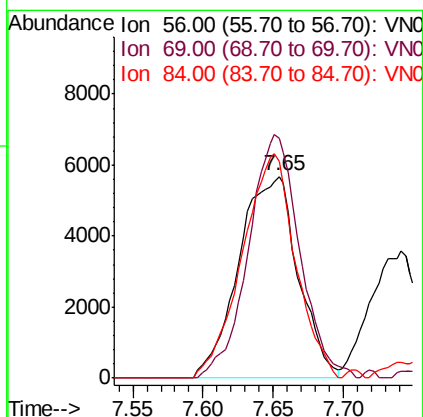
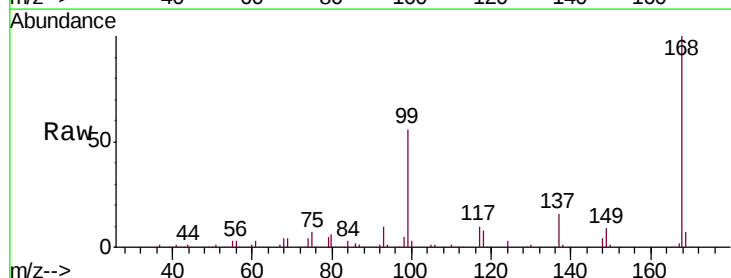
Instrument :
MSVOA_N
ClientSampled :

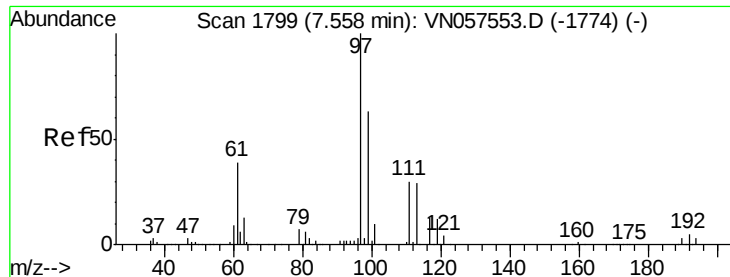
Tot Ion: 83 Resp: 11570
Ion Ratio Lower Upper
83 100
85 52.5 51.9 77.9



#31
Cyclohexane
Concen: 1.682 ug/l
RT: 7.65 min Scan# 1829
Delta R.T. 0.02 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 56 Resp: 16697
Ion Ratio Lower Upper
56 100
69 118.6 25.0 37.6#
84 107.2 62.5 93.7#





#32

1,1,1-Trichloroethane

Concen: 0.553 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

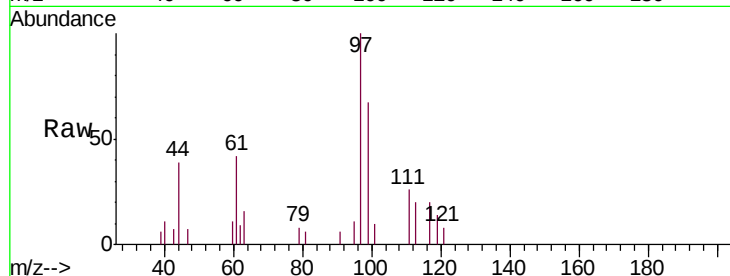
Tot Ion: 97 Resp: 5210

Ion Ratio Lower Upper

97 100

99 0.0 51.0 76.6#

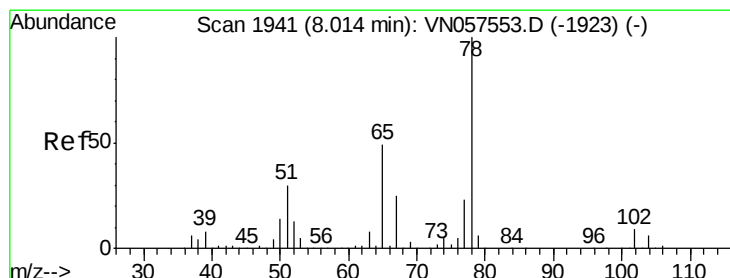
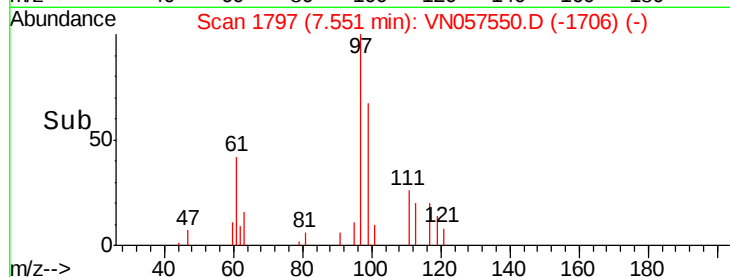
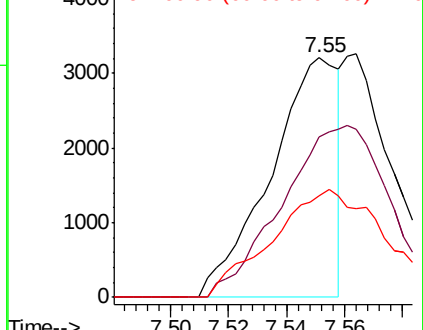
61 74.8 39.8 59.6#



Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0



#33

1,2-Dichloroethane-d4

Concen: 1.099 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057550.D

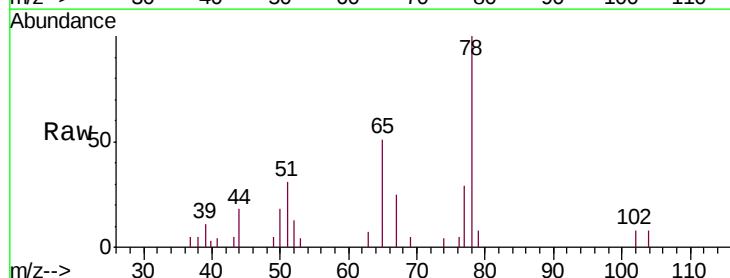
Acq: 29 Aug 2019 14:55

Tgt Ion: 65 Resp: 7965

Ion Ratio Lower Upper

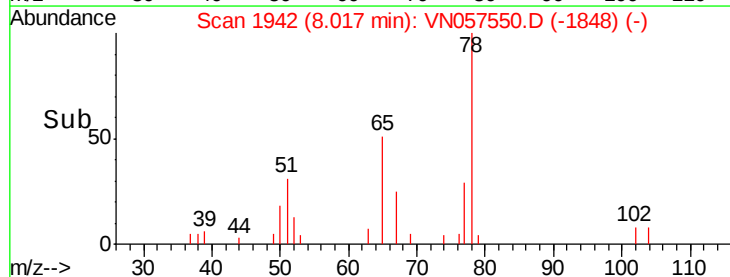
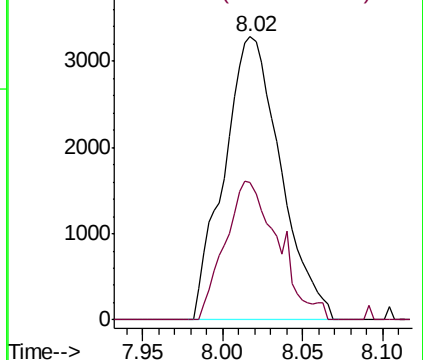
65 100

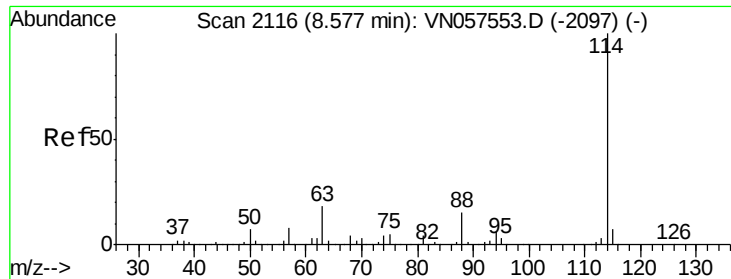
67 46.2 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

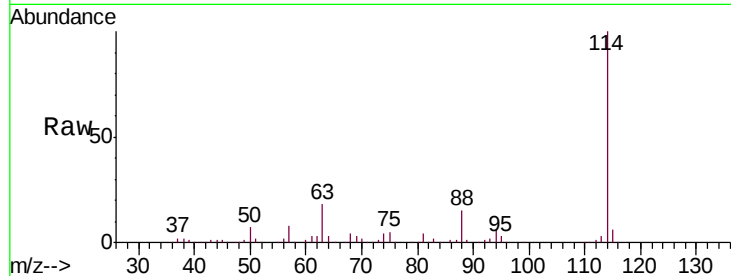




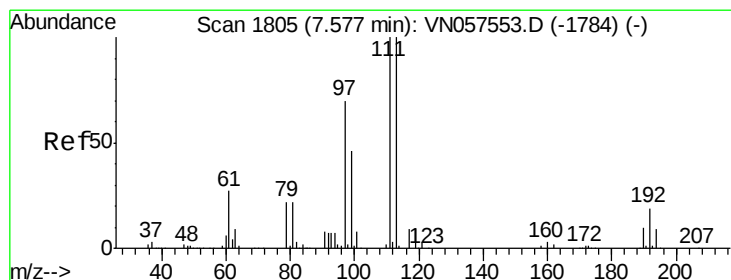
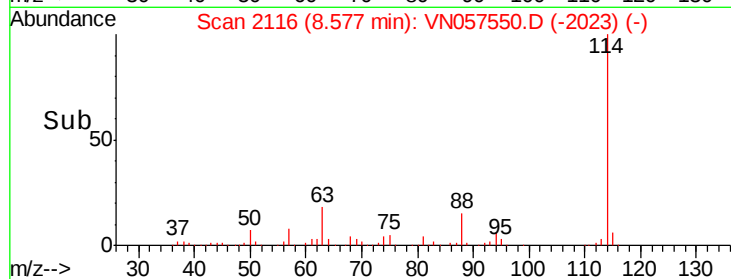
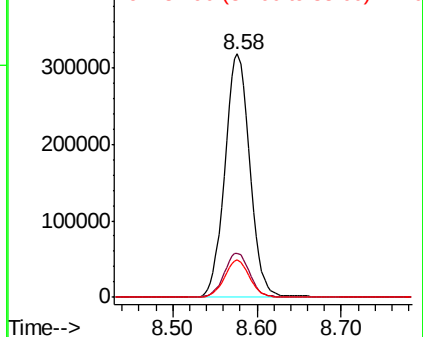
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2116
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 655911
 Ion Ratio Lower Upper
 114 100
 63 18.1 0.0 50.2
 88 15.2 0.0 34.6

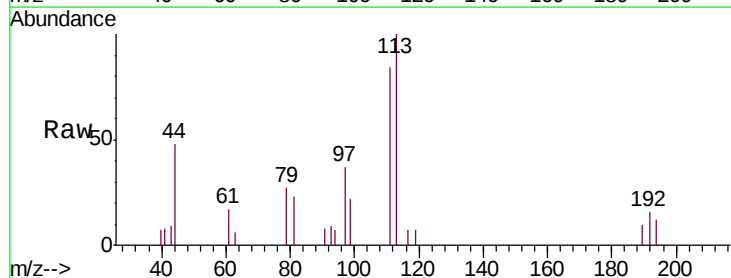


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

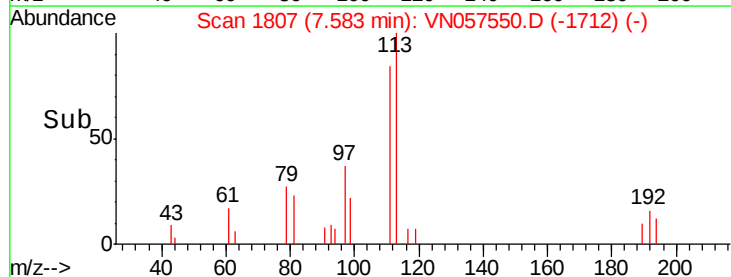
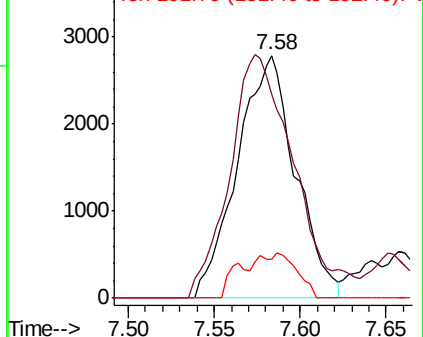


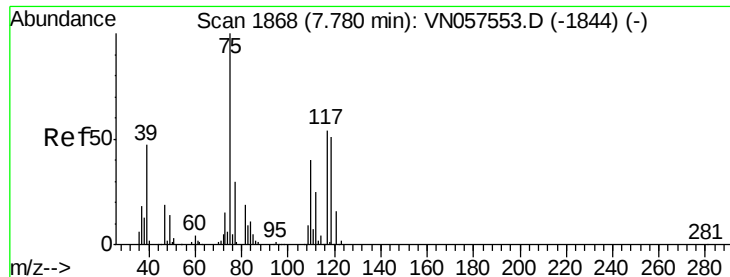
#35
 Dibromofluoromethane
 Concen: 1.387 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion:113 Resp: 6538
 Ion Ratio Lower Upper
 113 100
 111 111.6 83.8 125.6
 192 12.6 13.5 20.3#



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 0.976 ug/l

RT: 7.78 min Scan# 1869

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampleId :

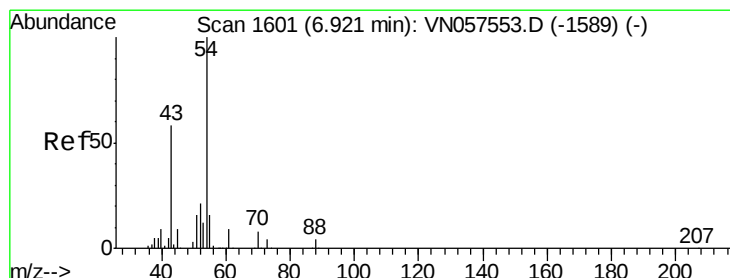
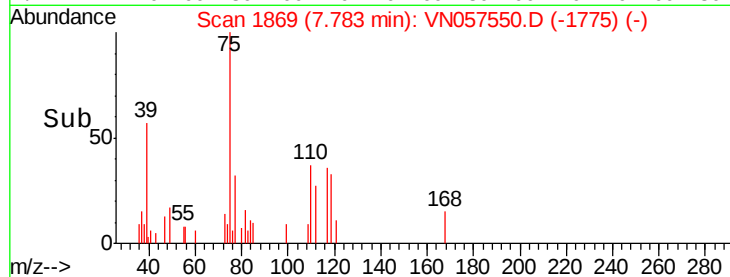
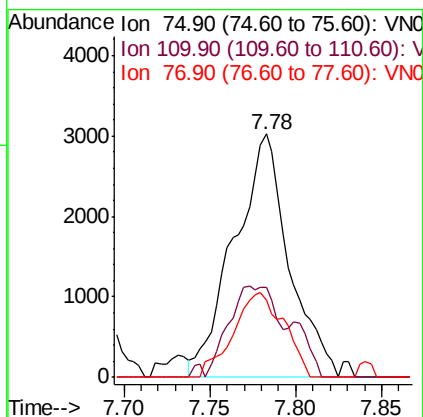
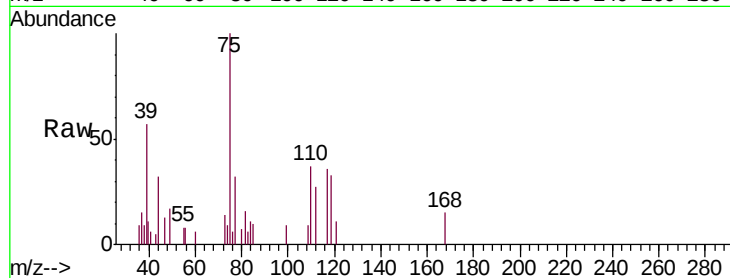
Tot Ion: 75 Resp: 6706

Ion Ratio Lower Upper

75 100

110 32.2 16.1 48.3

77 32.1 24.8 37.2



#37

Ethyl Acetate

Concen: 0.265 ug/l

RT: 6.93 min Scan# 1603

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

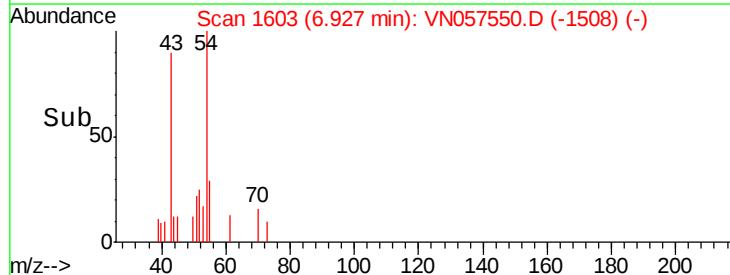
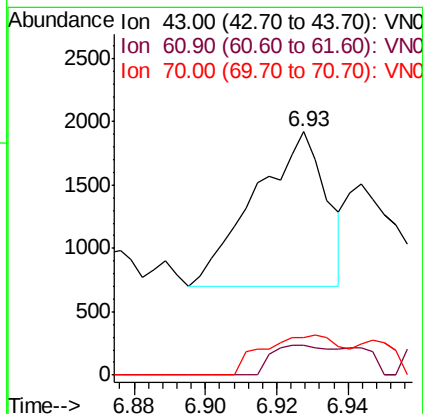
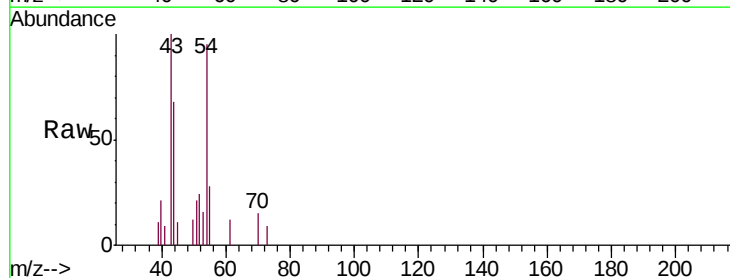
Tgt Ion: 43 Resp: 1686

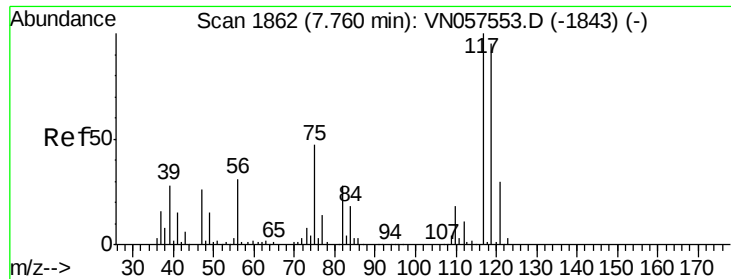
Ion Ratio Lower Upper

43 100

61 0.0 9.9 14.9#

70 28.6 7.0 10.6#

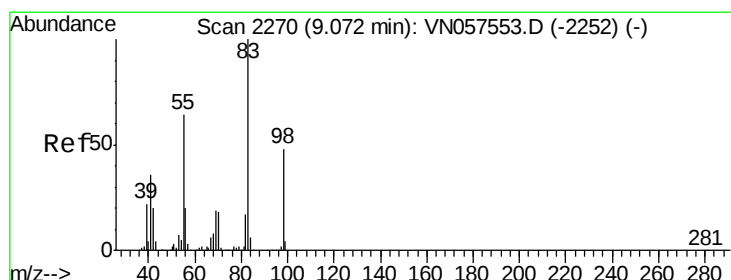
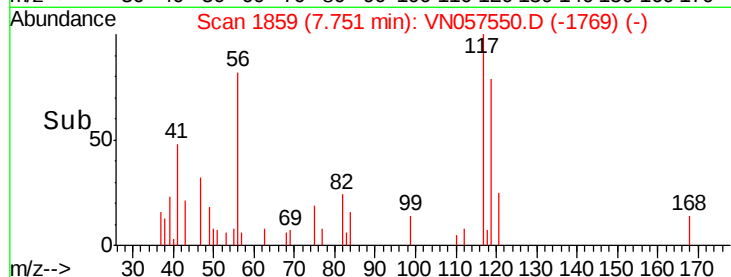
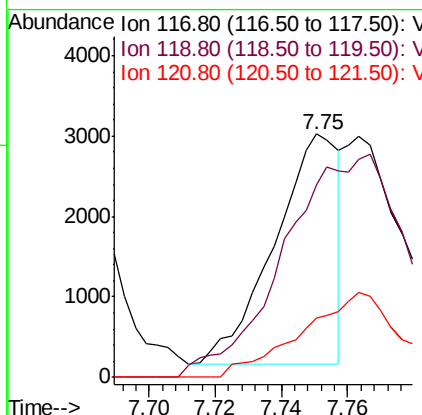
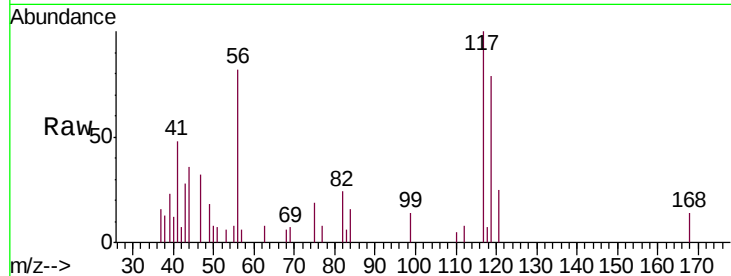




#38
Carbon Tetrachloride
Concen: 0.550 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. -0.01 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

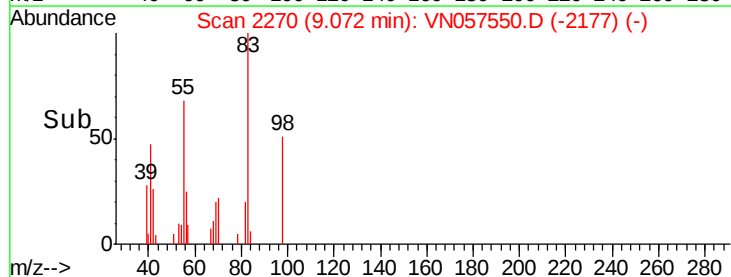
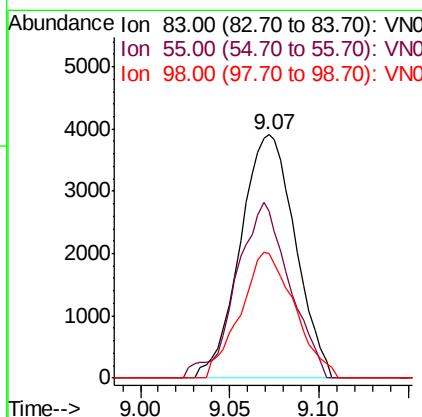
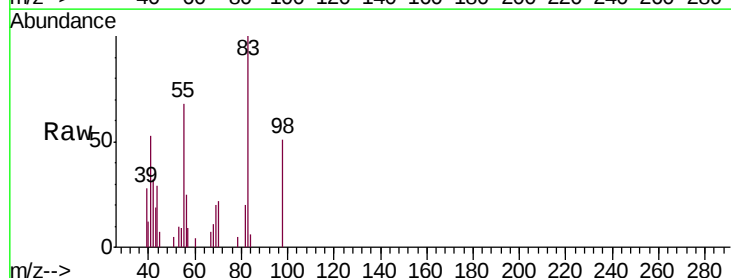
Instrument :
MSVOA_N
ClientSampleId :

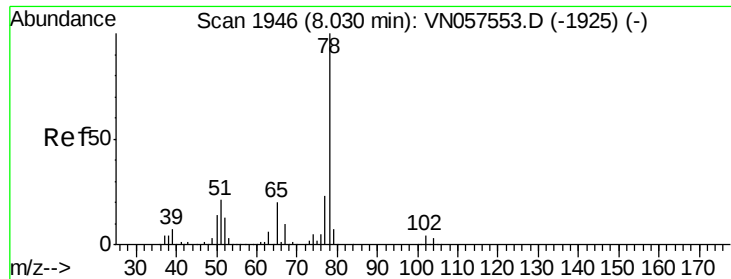
Tot Ion:117 Resp: 3877
Ion Ratio Lower Upper
117 100
119 77.9 76.2 114.4
121 26.0 23.8 35.6



#39
Methylcyclohexane
Concen: 1.019 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 83 Resp: 8398
Ion Ratio Lower Upper
83 100
55 68.4 68.6 102.8#
98 50.9 36.6 54.8

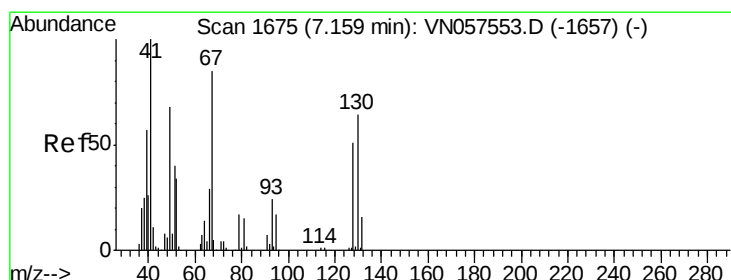
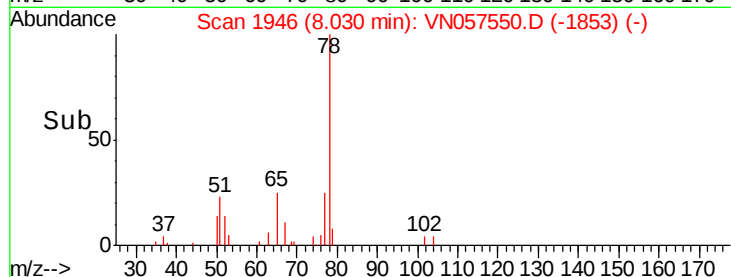
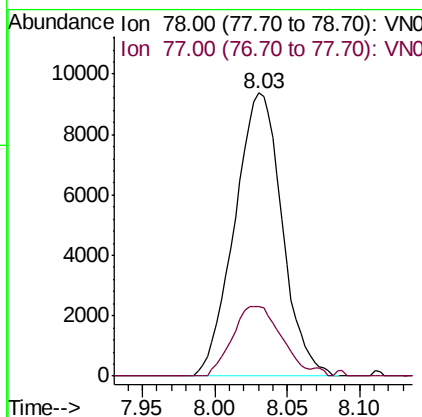
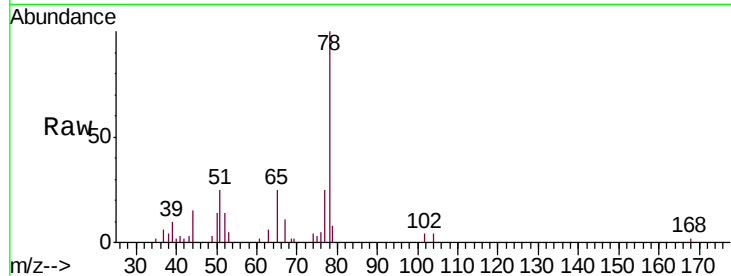




#40
Benzene
Concen: 1.031 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

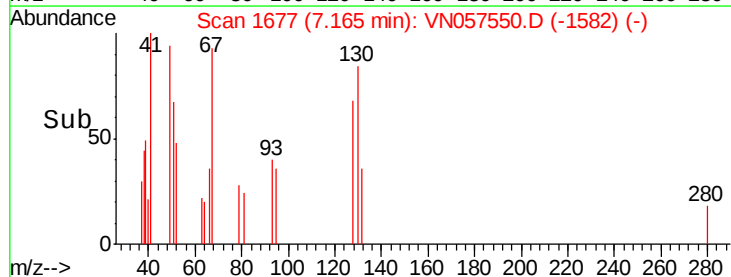
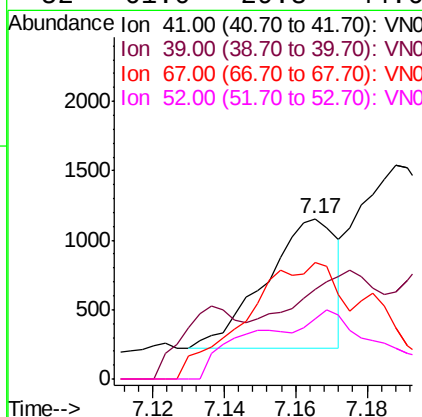
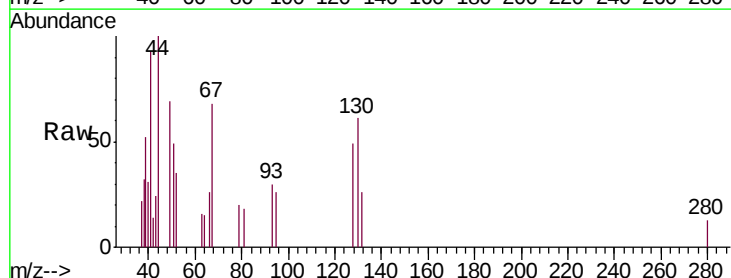
Instrument :
MSVOA_N
ClientSampled :

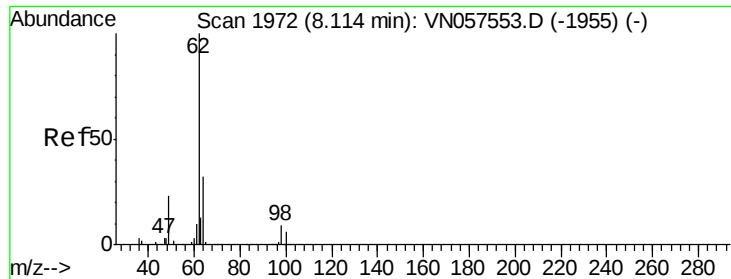
Tot Ion: 78 Resp: 21312
Ion Ratio Lower Upper
78 100
77 24.7 18.5 27.7



#41
Methacrylonitrile
Concen: 0.427 ug/l
RT: 7.17 min Scan# 1677
Delta R.T. 0.01 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 41 Resp: 1283
Ion Ratio Lower Upper
41 100
39 47.5 53.6 80.4#
67 120.0 65.4 98.2#
52 61.0 29.8 44.6#





#42

1,2-Dichloroethane

Concen: 0.998 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

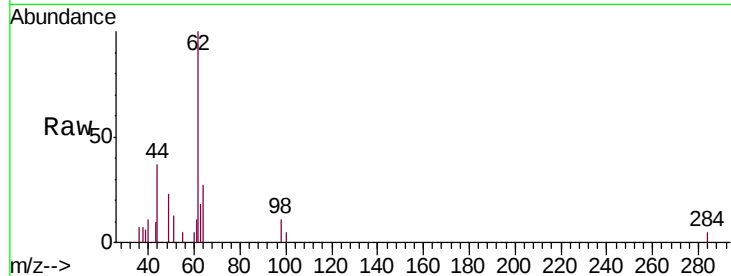
ClientSampleId :

Tot Ion: 62 Resp: 7840

Ion Ratio Lower Upper

62 100

98 7.4 0.0 15.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 97.90 (97.60 to 98.60): VNO

8.12

4000

3000

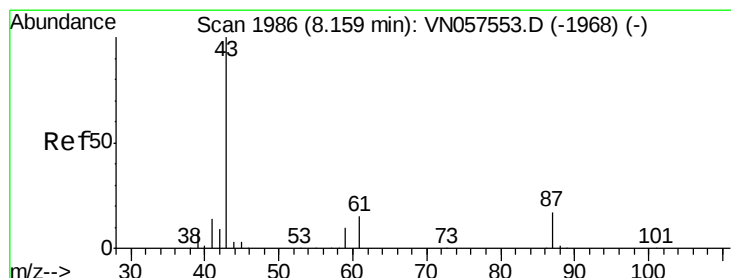
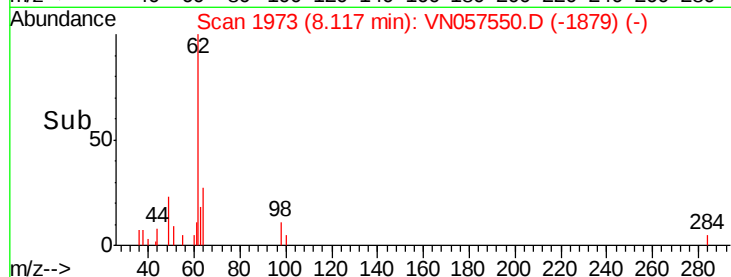
2000

1000

0

Time-->

8.05 8.10 8.15 8.20



#43

Isopropyl Acetate

Concen: 0.790 ug/l

RT: 8.16 min Scan# 1986

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

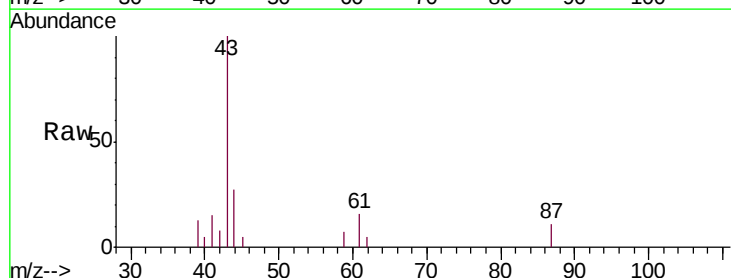
Tgt Ion: 43 Resp: 9252

Ion Ratio Lower Upper

43 100

61 8.9 14.5 21.7#

87 1.9 8.6 12.8#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

8.16

5000

4000

3000

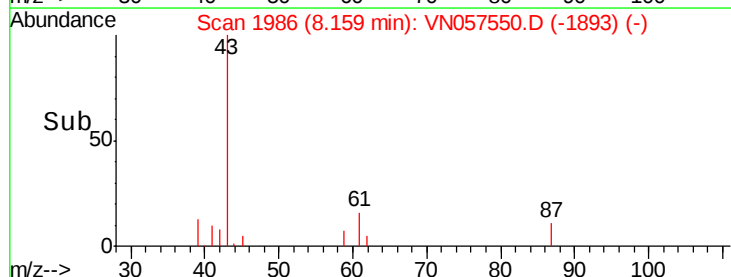
2000

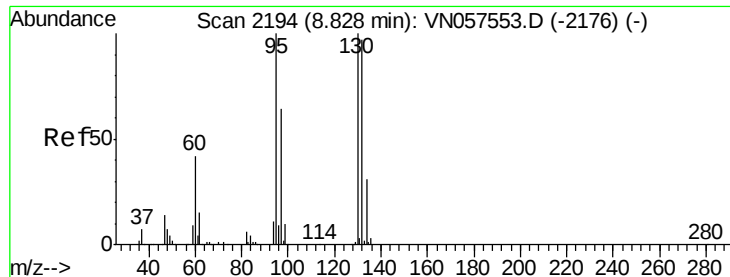
1000

0

Time-->

8.05 8.10 8.15 8.20 8.25





#44

Trichloroethene

Concen: 1.157 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

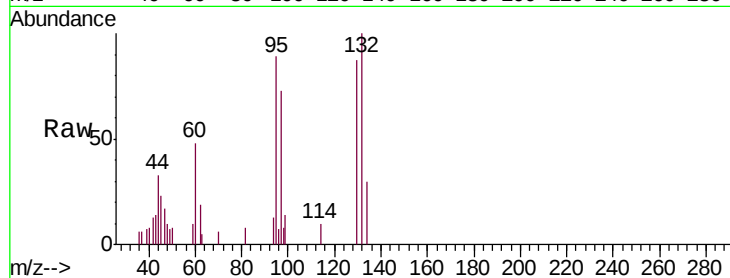
ClientSampled :

Tot Ion:130 Resp: 5547

Ion Ratio Lower Upper

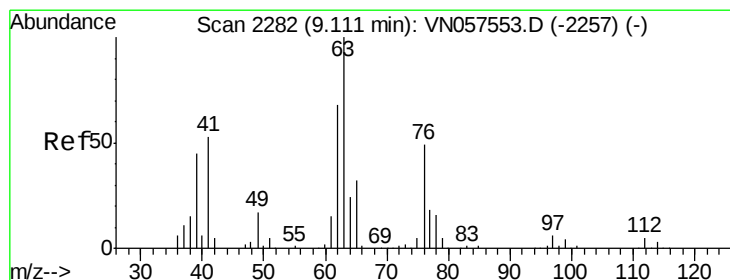
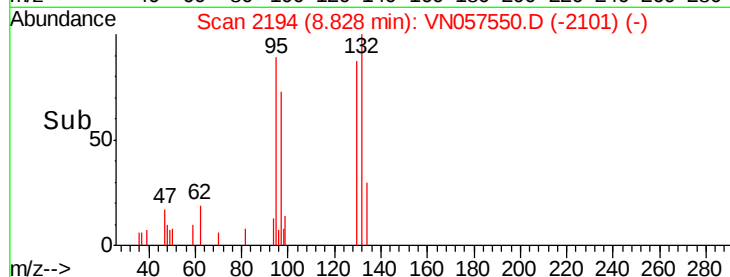
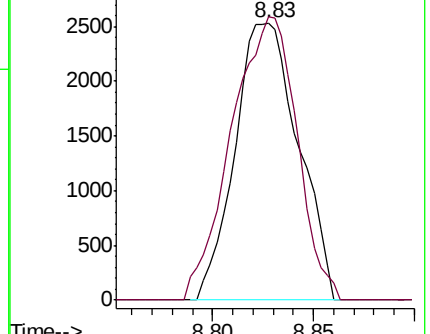
130 100

95 102.1 0.0 231.6



Abundance Ion 129.80 (129.50 to 130.50): V

3000 Ion 94.90 (94.60 to 95.60): VN0



#45

1,2-Dichloropropane

Concen: 0.909 ug/l

RT: 9.11 min Scan# 2282

Delta R.T. -0.00 min

Lab File: VN057550.D

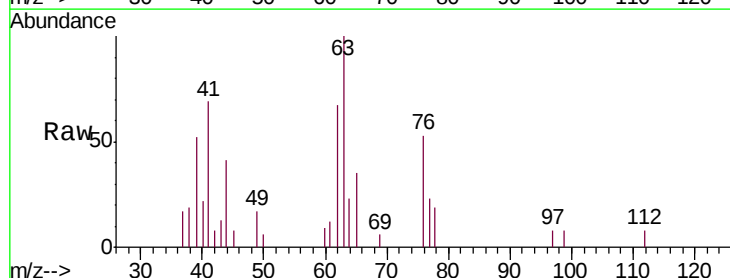
Acq: 29 Aug 2019 14:55

Tgt Ion: 63 Resp: 5144

Ion Ratio Lower Upper

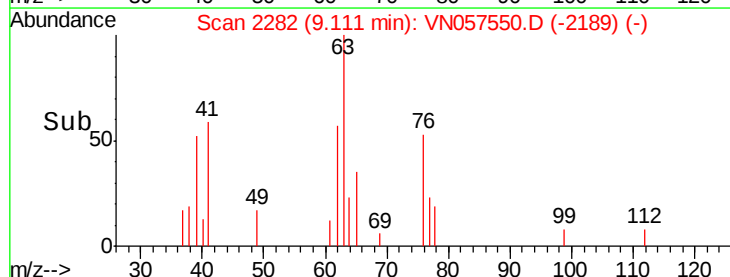
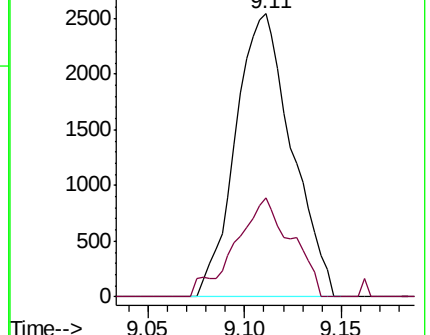
63 100

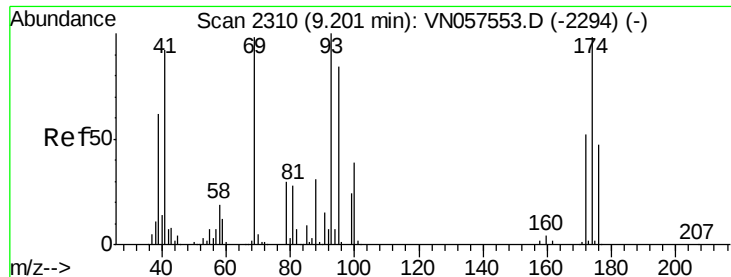
65 35.0 24.7 37.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

3000 Ion 64.90 (64.60 to 65.60): VN0

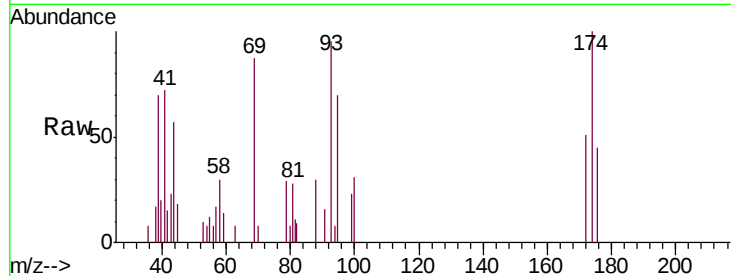




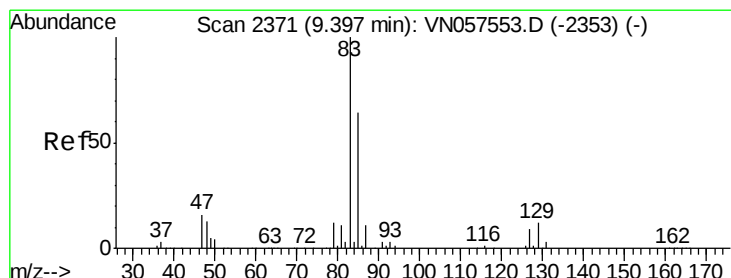
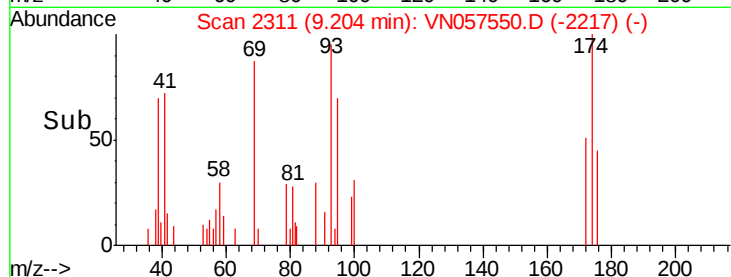
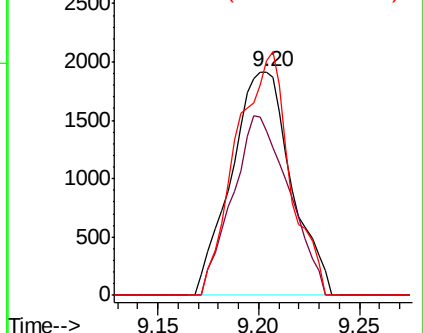
#46
Dibromomethane
Concen: 1.061 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 93 Resp: 3970
Ion Ratio Lower Upper
93 100
95 76.0 64.7 97.1
174 97.3 62.3 93.5#

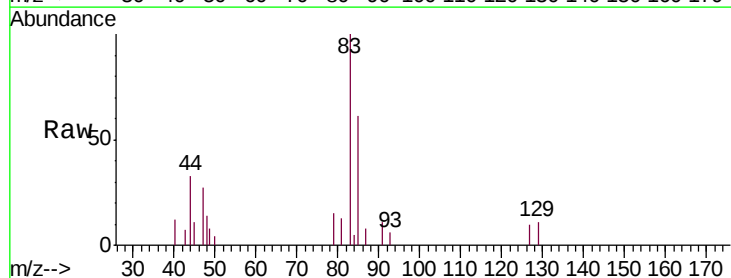


Abundance Ion 92.80 (92.50 to 93.50): VNO
Ion 94.80 (94.50 to 95.50): VNO
Ion 173.70 (173.40 to 174.40): V

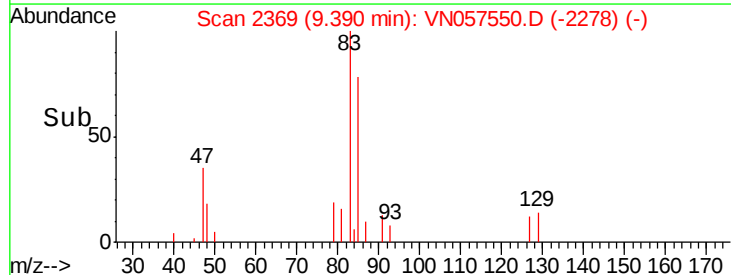
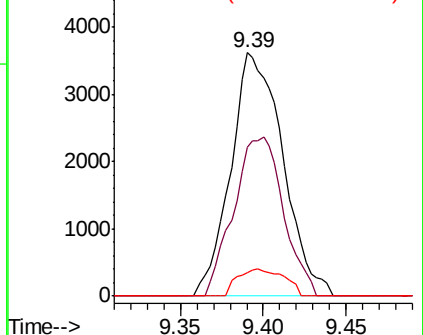


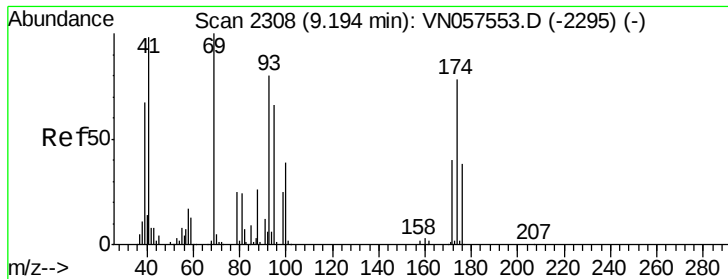
#47
Bromodichloromethane
Concen: 1.023 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. -0.01 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 83 Resp: 7918
Ion Ratio Lower Upper
83 100
85 61.3 51.2 76.8
127 9.8 6.6 10.0



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

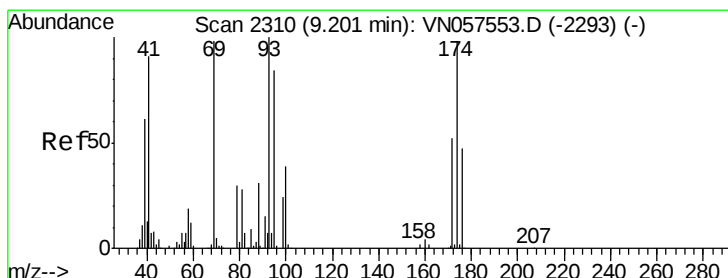
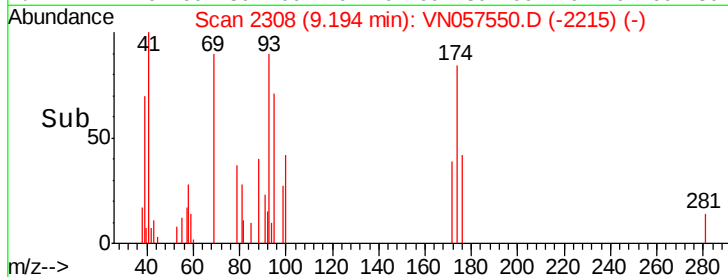
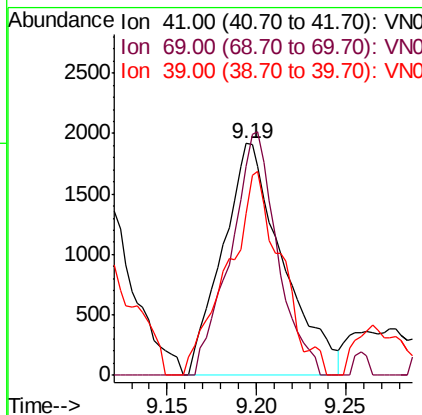
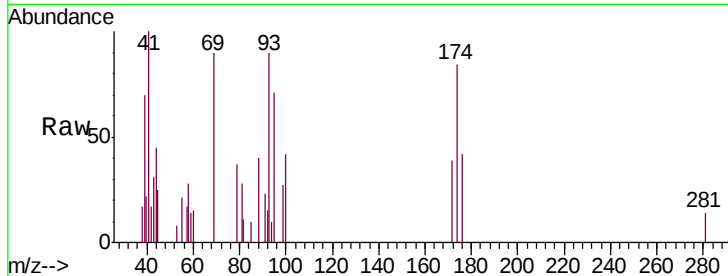




#48
Methvl methacrylate
Concen: 0.812 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

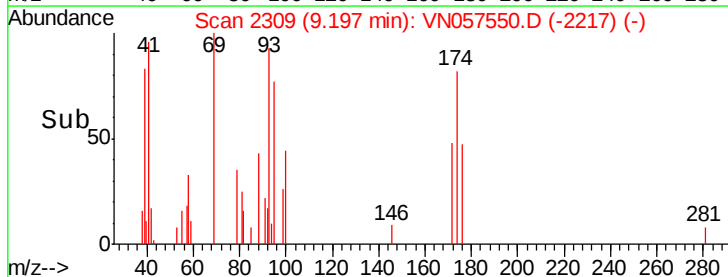
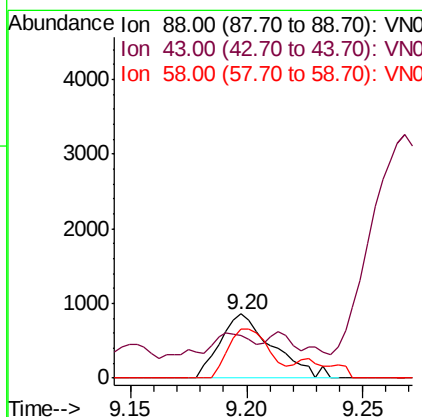
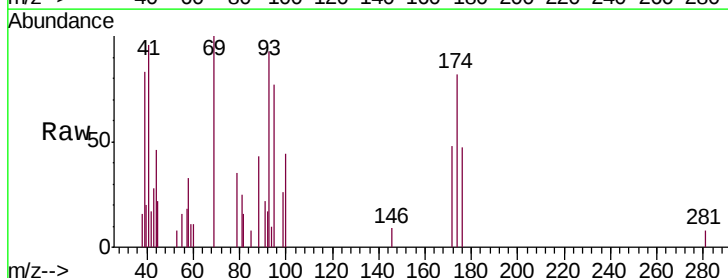
Instrument :
MSVOA_N
ClientSampleId :

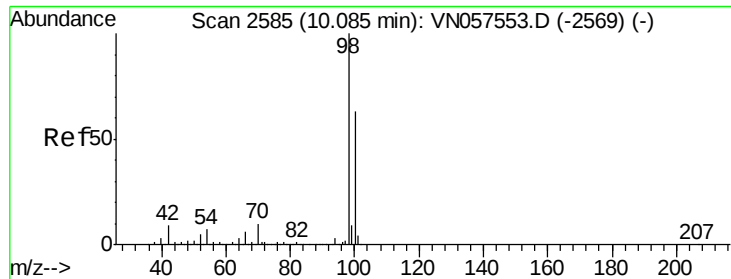
Tot Ion: 41 Resp: 4499
Ion Ratio Lower Upper
41 100
69 81.7 59.3 88.9
39 78.5 50.6 75.8#



#49
1,4-Dioxane
Concen: 17.619 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 88 Resp: 1336
Ion Ratio Lower Upper
88 100
43 35.0 31.0 46.6
58 60.2 64.5 96.7#





#50

Toluene-d8

Concen: 1.144 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

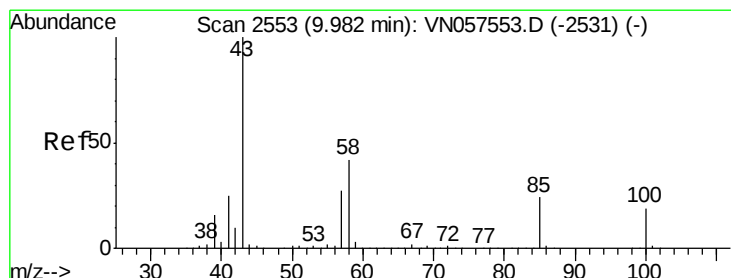
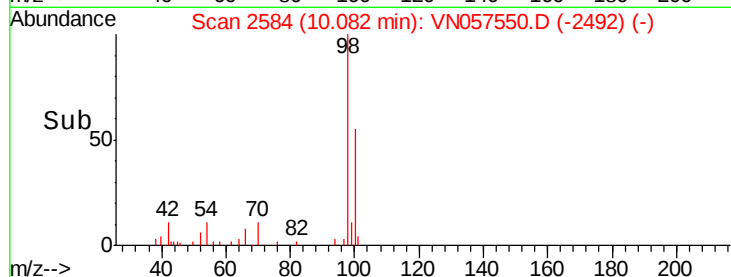
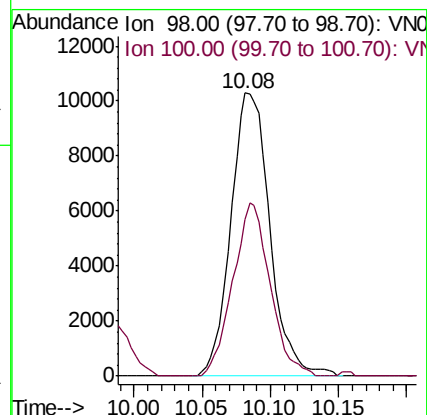
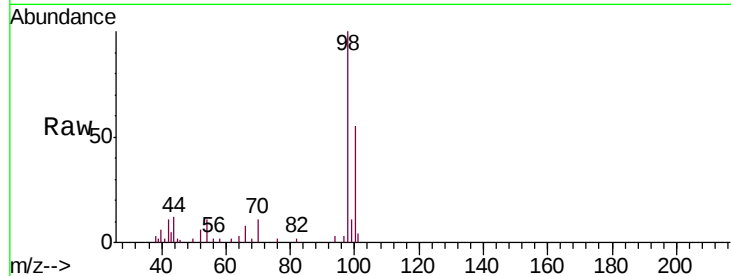
ClientSampleId :

Tot Ion: 98 Resp: 20447

Ion Ratio Lower Upper

98 100

100 58.4 50.4 75.6



#51

4-Methyl-2-Pentanone

Concen: 3.337 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN057550.D

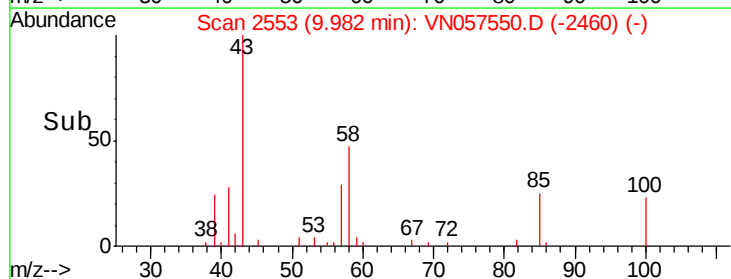
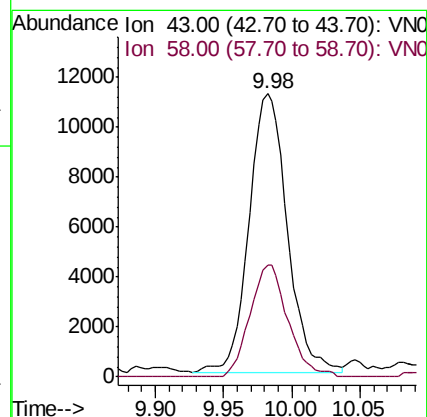
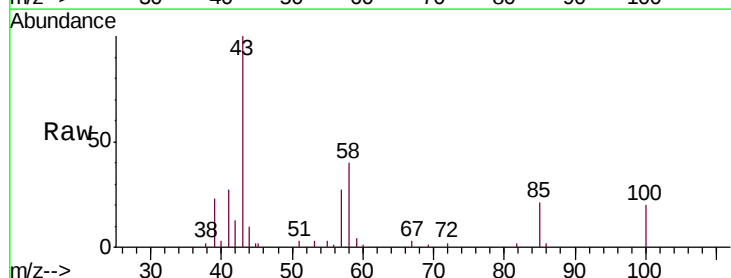
Acq: 29 Aug 2019 14:55

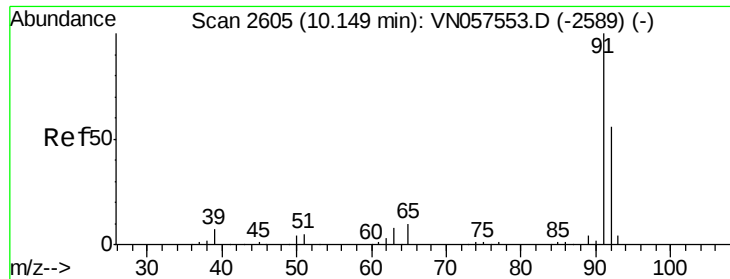
Tgt Ion: 43 Resp: 21719

Ion Ratio Lower Upper

43 100

58 39.8 27.9 41.9





#52

Toluene

Concen: 1.040 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

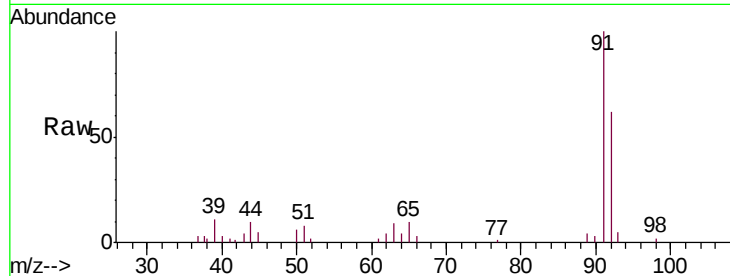
ClientSampled :

Tot Ion: 92 Resp: 12724

Ion Ratio Lower Upper

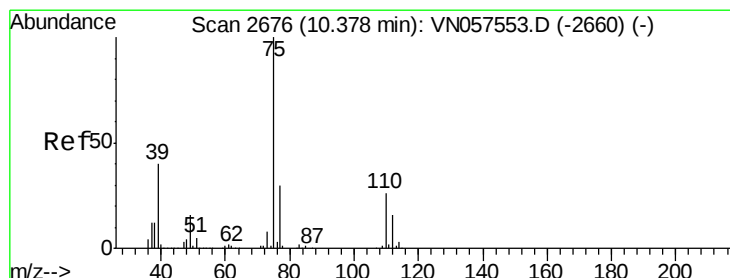
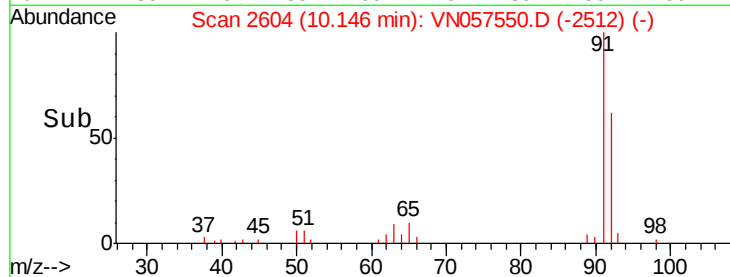
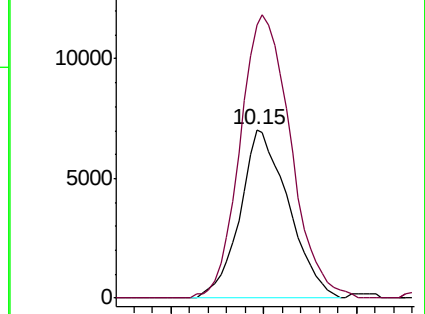
92 100

91 176.1 140.9 211.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.898 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN057550.D

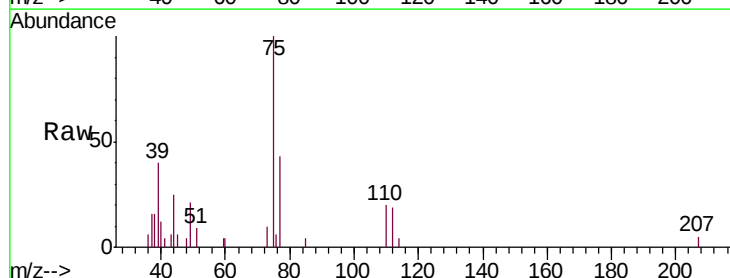
Acq: 29 Aug 2019 14:55

Tgt Ion: 75 Resp: 7219

Ion Ratio Lower Upper

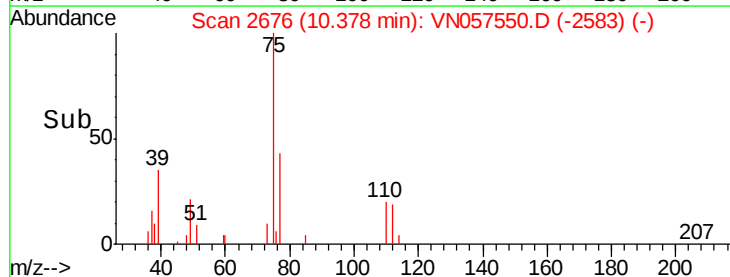
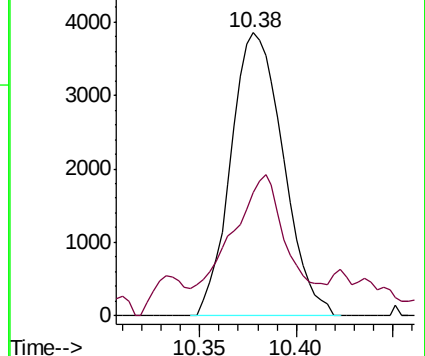
75 100

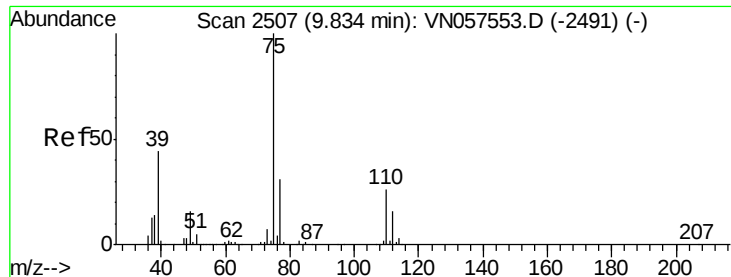
77 33.8 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



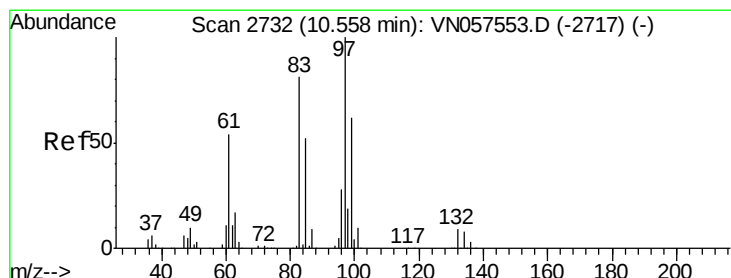
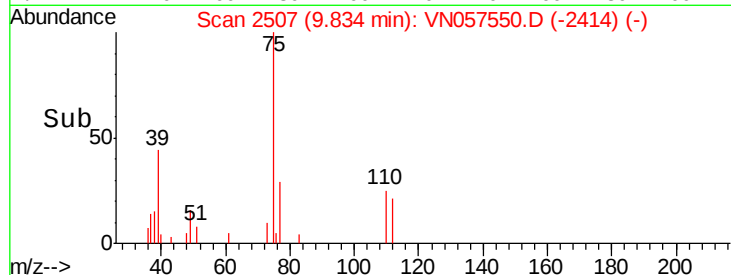
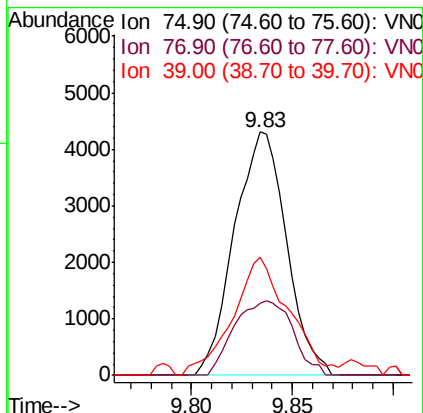
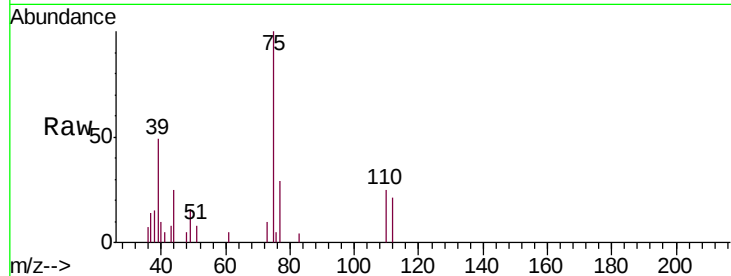


#54

cis-1,3-Dichloropropene
 Concen: 0.873 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :

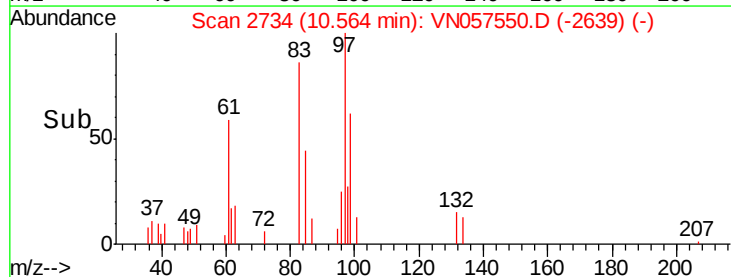
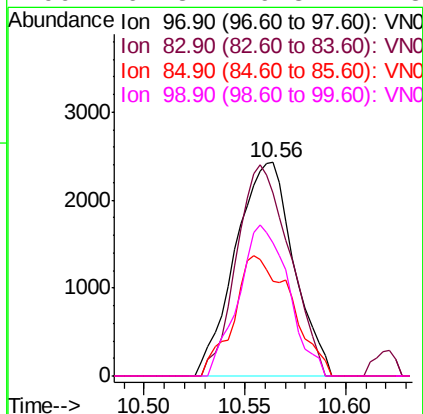
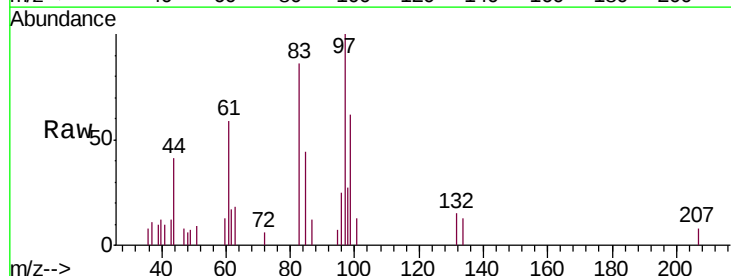
Tot Ion	Ratio	Lower	Upper
75	100		
77	29.4	25.0	37.6
39	45.0	49.2	73.8#

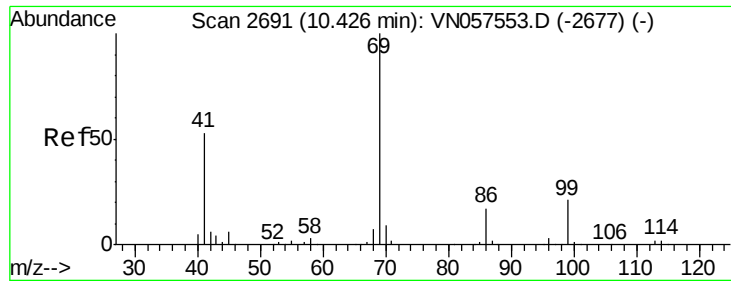


#55

1,1,2-Trichloroethane
 Concen: 0.995 ug/l
 RT: 10.56 min Scan# 2734
 Delta R.T. 0.01 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
97	100		
83	85.8	73.7	110.5
85	44.3	46.8	70.2#
99	62.3	49.8	74.8





#56

Ethyl methacrylate

Concen: 0.866 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

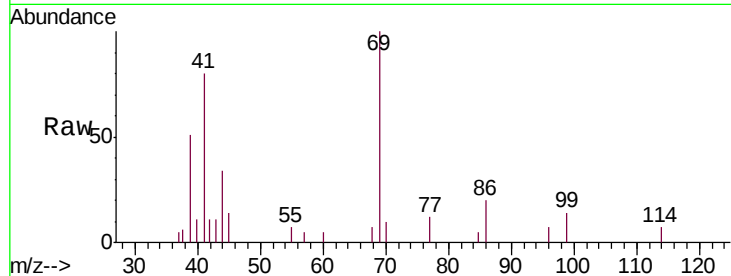
Tot Ion: 69 Resp: 6460

Ion Ratio Lower Upper

69 100

41 75.3 60.8 91.2

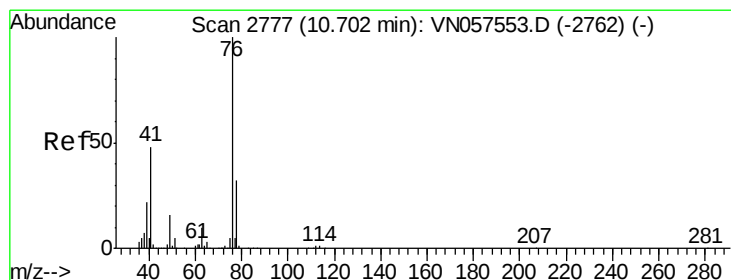
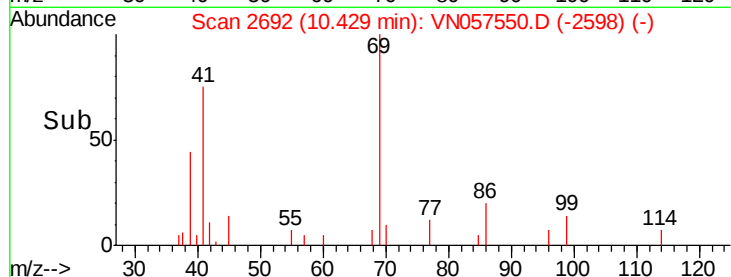
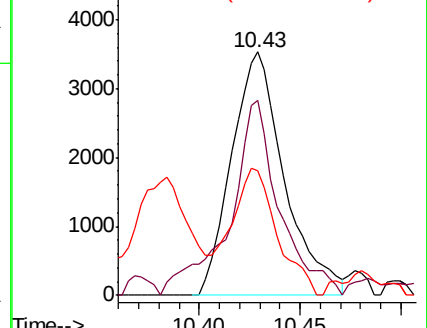
39 45.2 36.5 54.7



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



#57

1,3-Dichloropropane

Concen: 0.989 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN057550.D

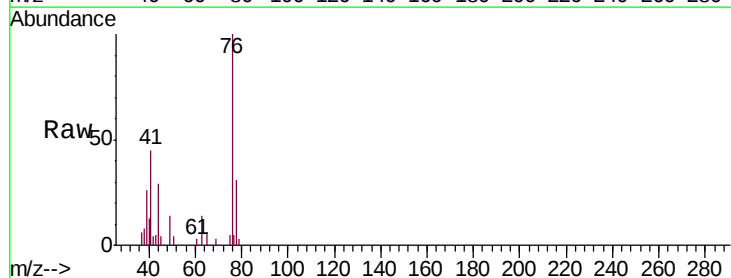
Acq: 29 Aug 2019 14:55

Tgt Ion: 76 Resp: 8268

Ion Ratio Lower Upper

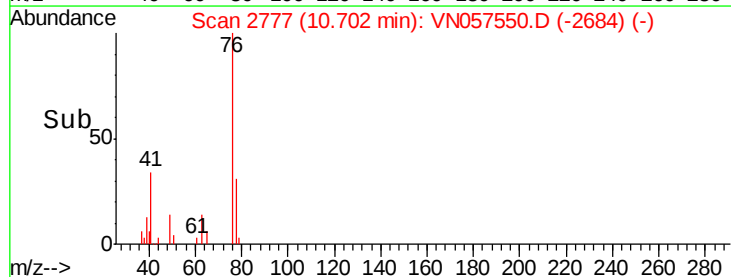
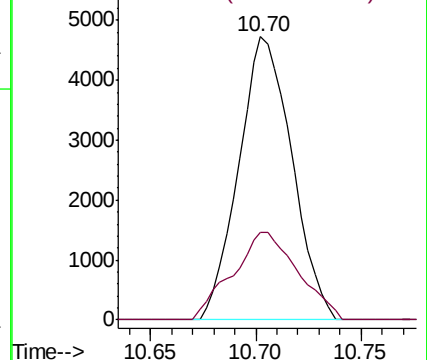
76 100

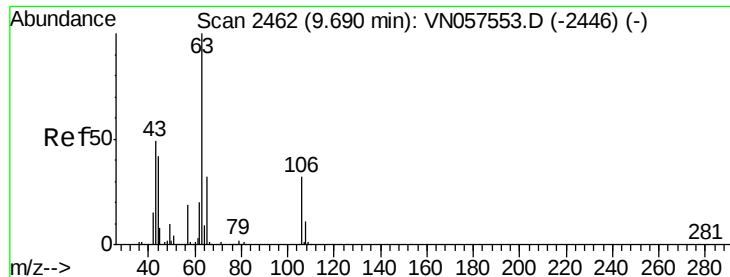
78 38.2 25.5 38.3



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

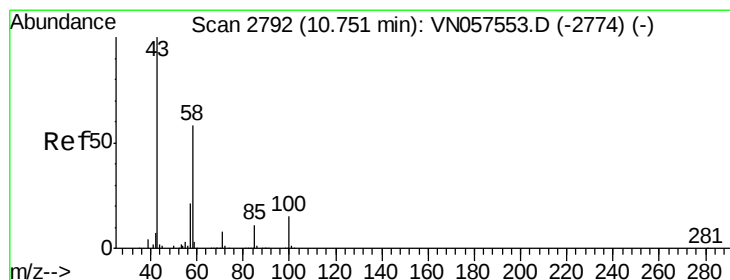
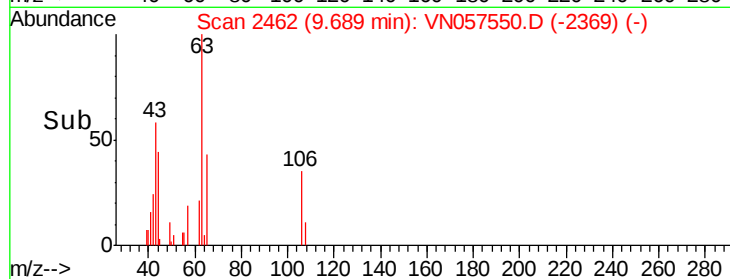
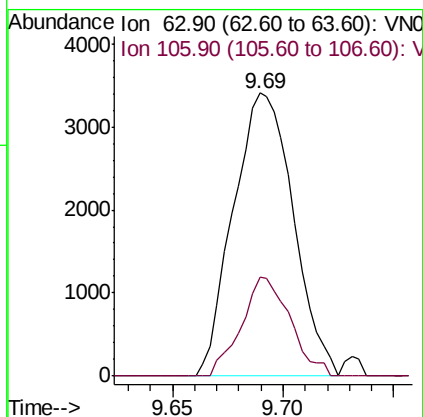
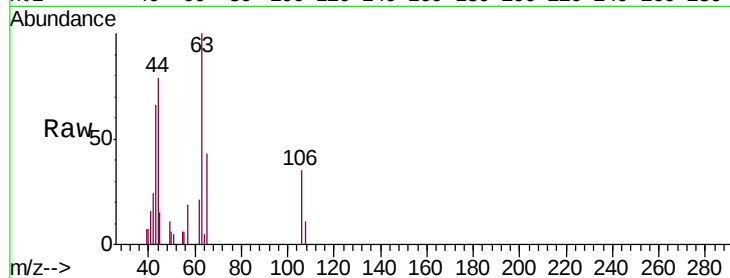




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.644 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

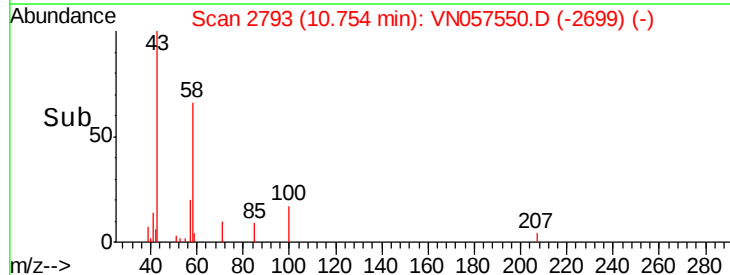
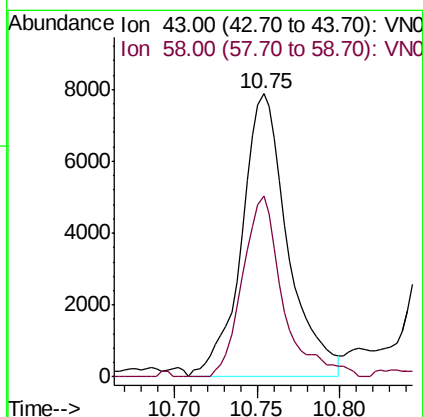
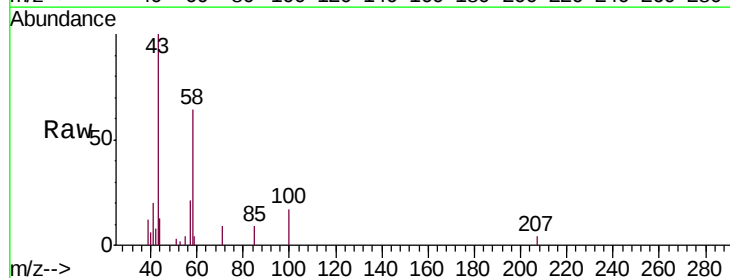
Instrument :
 MSVOA_N
 ClientSampleId :

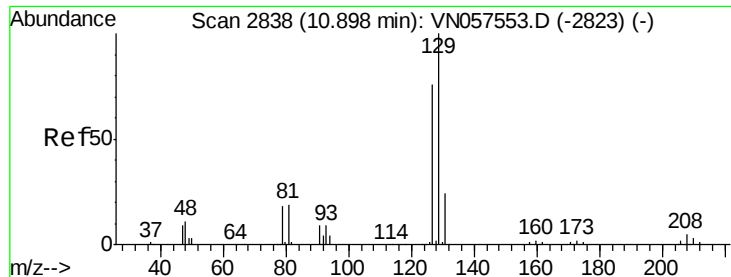
Tot Ion: 63 Resp: 6429
 Ion Ratio Lower Upper
 63 100
 106 28.5 18.6 27.8#



#59
 2-Hexanone
 Concen: 3.426 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion: 43 Resp: 15320
 Ion Ratio Lower Upper
 43 100
 58 55.6 24.6 73.6





#60

Dibromochloromethane

Concen: 0.957 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

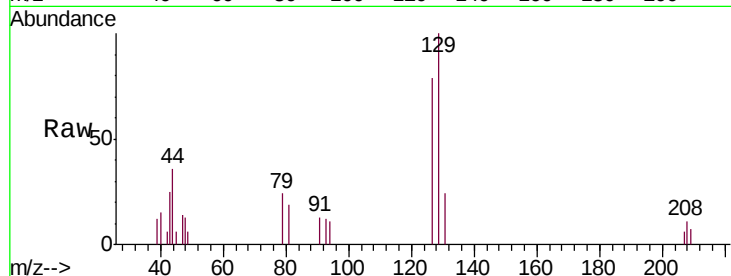
ClientSampleId :

Tot Ion:129 Resp: 5091

Ion Ratio Lower Upper

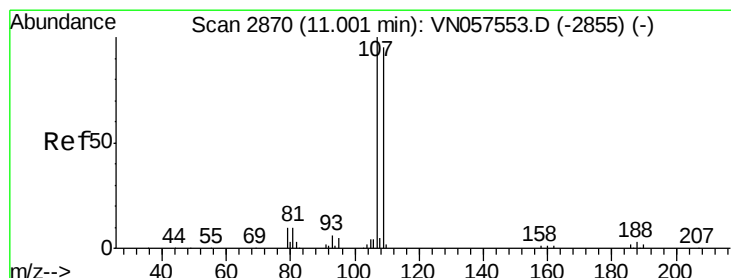
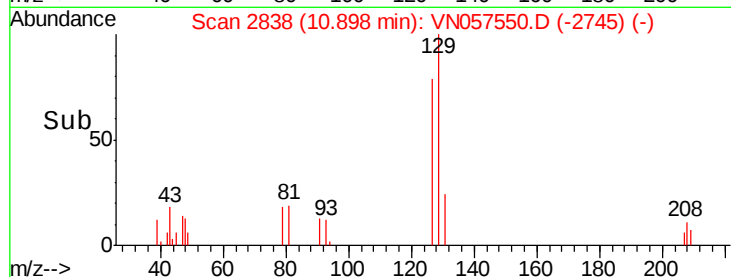
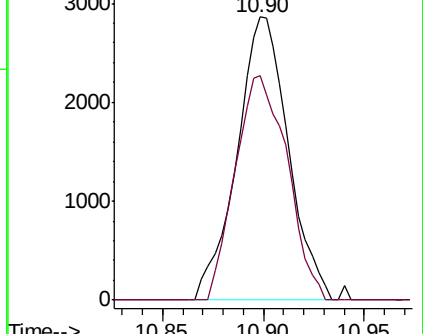
129 100

127 80.5 39.0 116.9



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 1.041 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057550.D

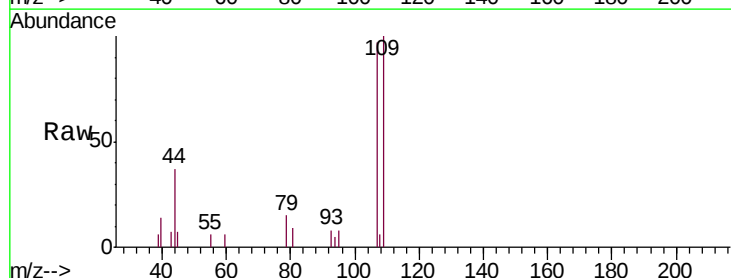
Acq: 29 Aug 2019 14:55

Tgt Ion:107 Resp: 5079

Ion Ratio Lower Upper

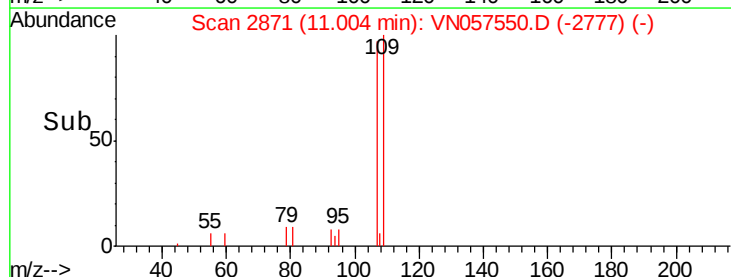
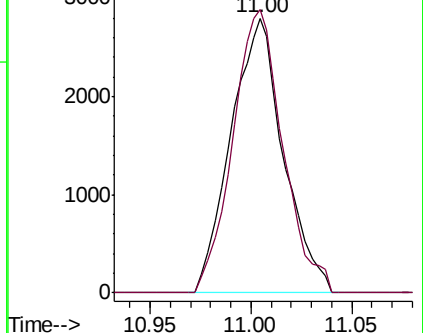
107 100

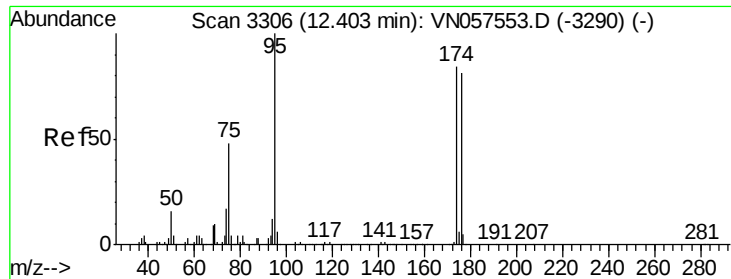
109 98.7 73.8 110.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

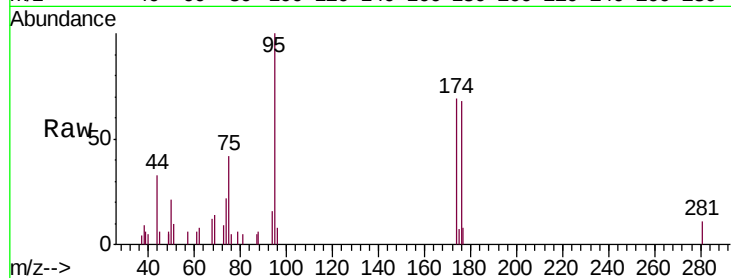




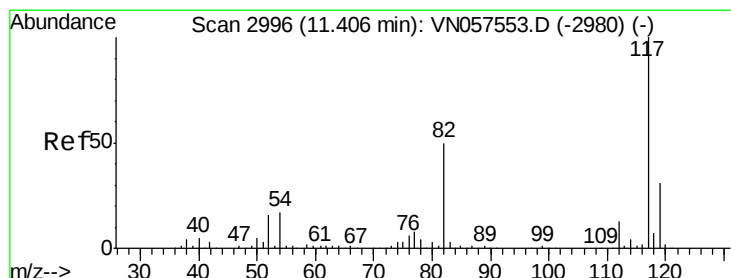
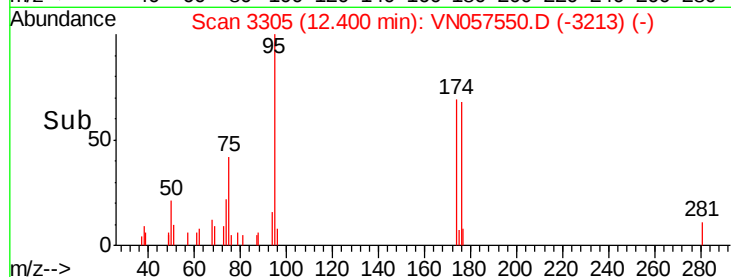
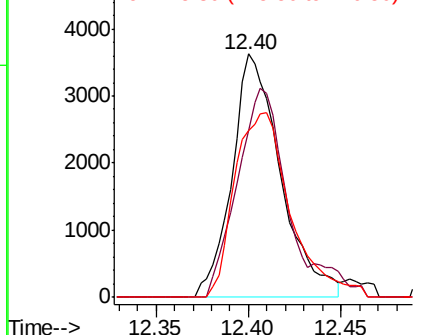
#62
4-Bromofluorobenzene
Concen: 1.095 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 95 Resp: 6639
Ion Ratio Lower Upper
95 100
174 90.5 0.0 133.0
176 86.8 0.0 130.8

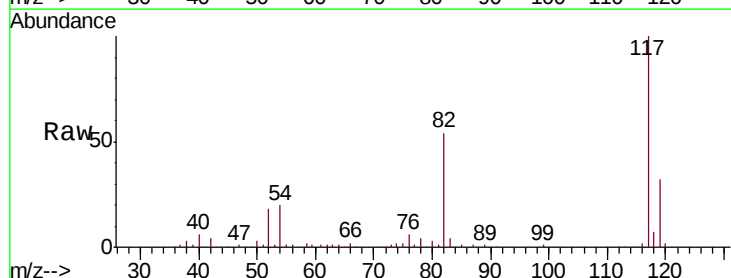


Abundance Ion 94.90 (94.60 to 95.60): VN057550.D (-3290) (-)
Ion 173.80 (173.50 to 174.50): VN057550.D (-3290) (-)
Ion 175.80 (175.50 to 176.50): VN057550.D (-3290) (-)

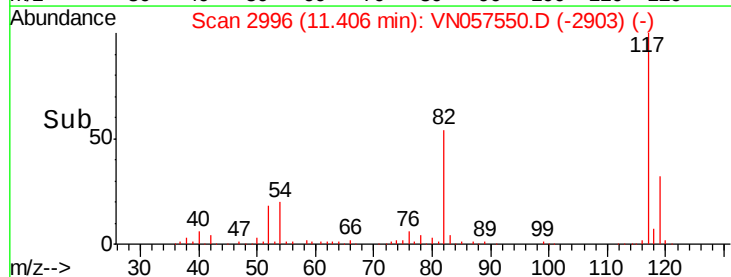
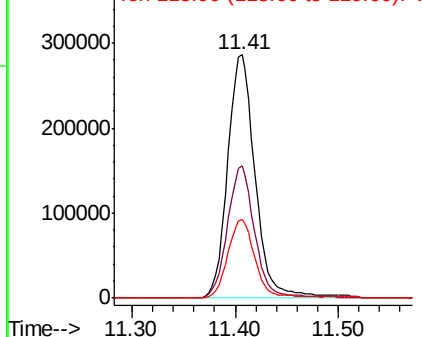


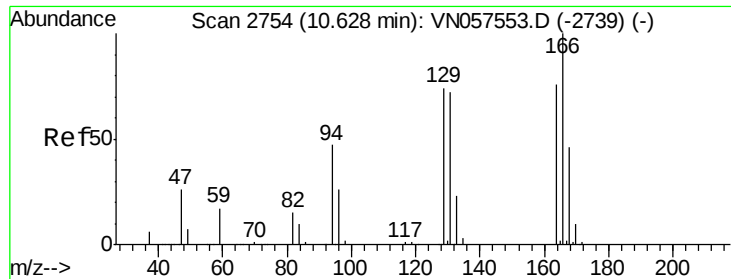
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 117 Resp: 532594
Ion Ratio Lower Upper
117 100
82 54.3 50.6 75.8
119 32.0 24.6 36.8



Abundance Ion 116.90 (116.60 to 117.60): VN057550.D (-2980) (-)
Ion 82.00 (81.70 to 82.70): VN057550.D (-2980) (-)
Ion 118.90 (118.60 to 119.60): VN057550.D (-2980) (-)





#64

Tetrachloroethene

Concen: 1.435 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:164 Resp: 5746

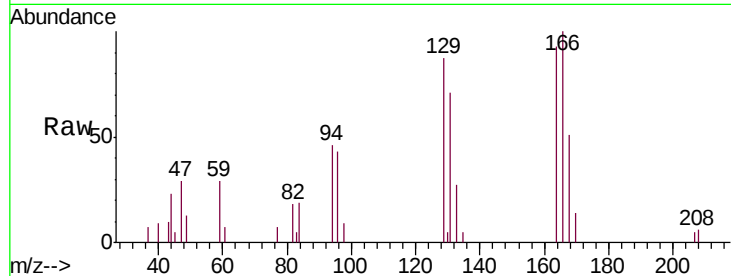
Ion Ratio Lower Upper

164 100

166 107.8 104.4 156.6

129 93.4 86.6 130.0

131 76.7 77.6 116.4#

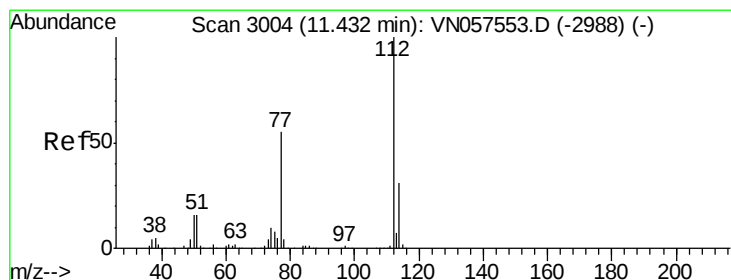
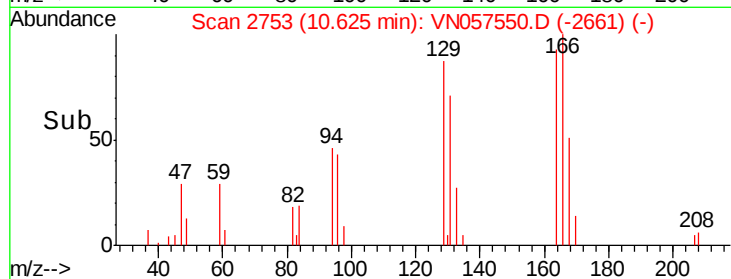
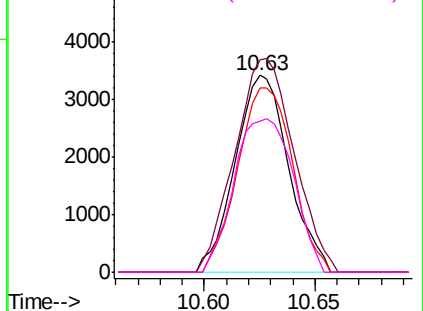


Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V



#65

Chlorobenzene

Concen: 1.073 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN057550.D

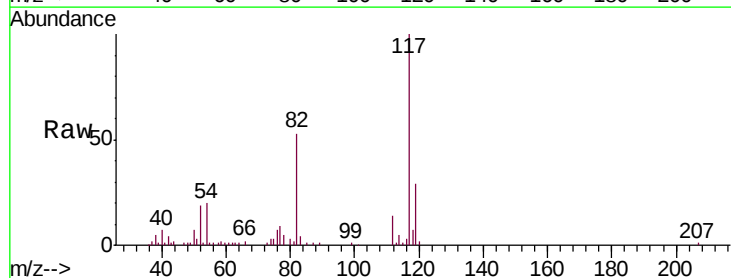
Acq: 29 Aug 2019 14:55

Tgt Ion:112 Resp: 12184

Ion Ratio Lower Upper

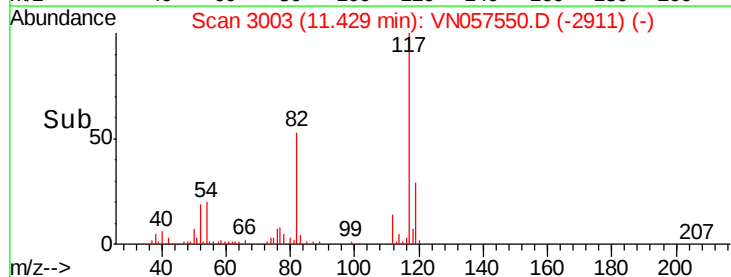
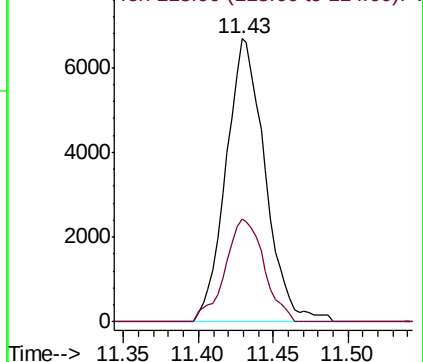
112 100

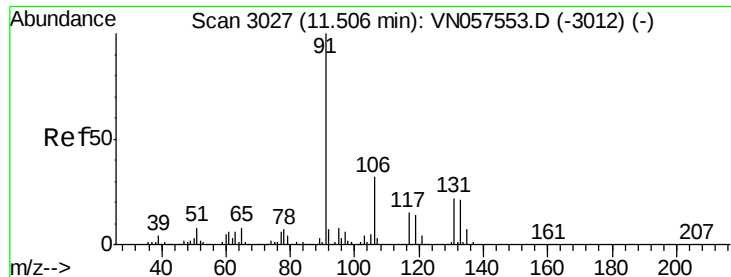
114 36.5 24.8 37.2



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V





#66

1,1,1,2-Tetrachloroethane

Concen: 1.116 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

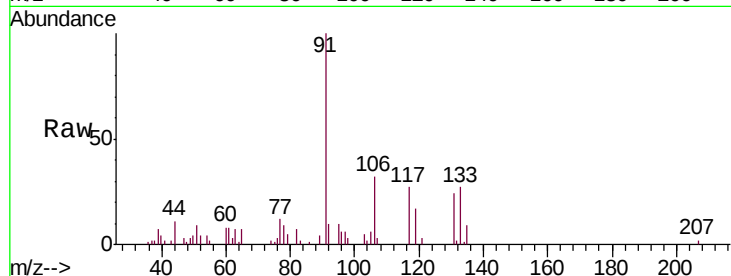
Tot Ion:131 Resp: 4886

Ion Ratio Lower Upper

131 100

133 111.8 47.6 142.8

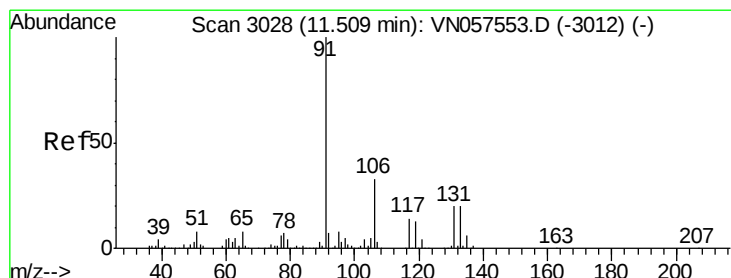
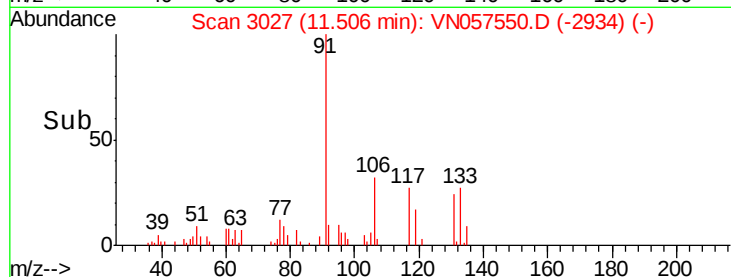
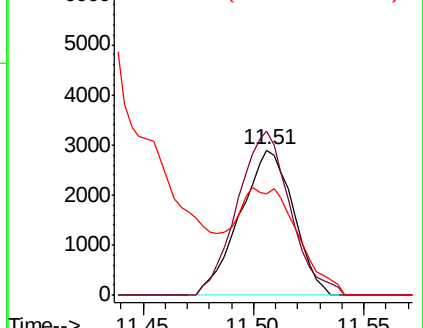
119 0.0 34.4 103.2#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 1.034 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN057550.D

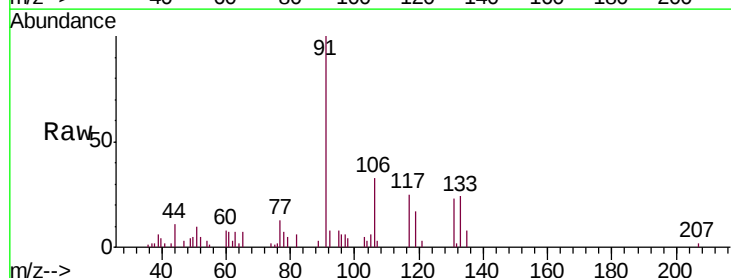
Acq: 29 Aug 2019 14:55

Tgt Ion: 91 Resp: 22320

Ion Ratio Lower Upper

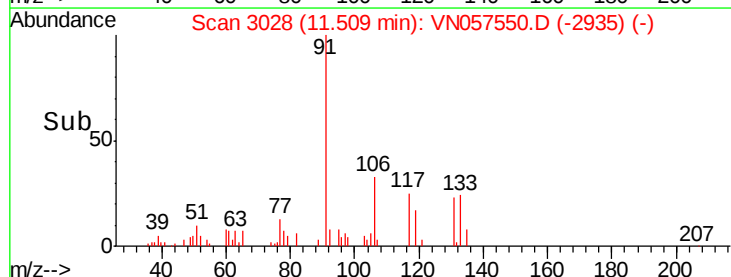
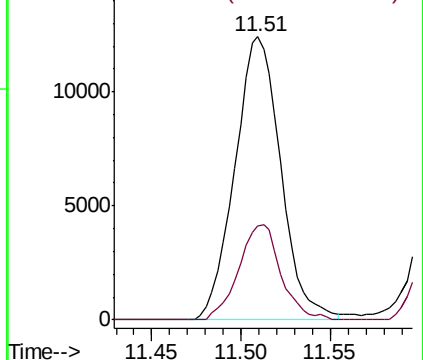
91 100

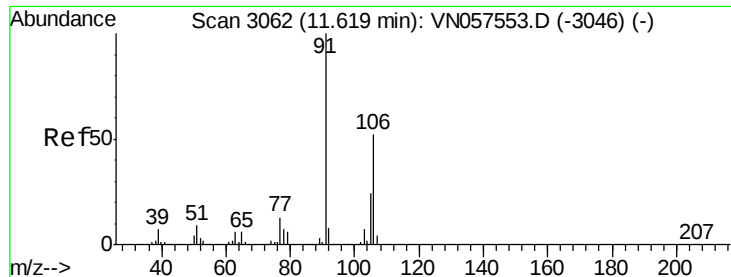
106 33.0 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

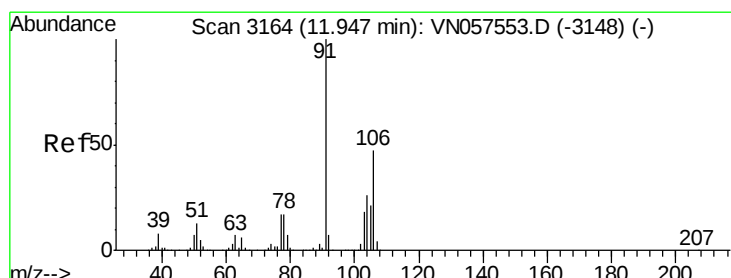
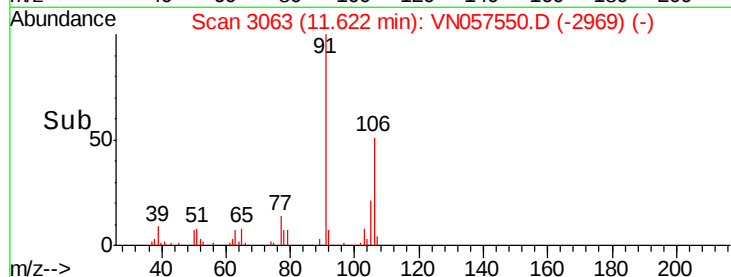
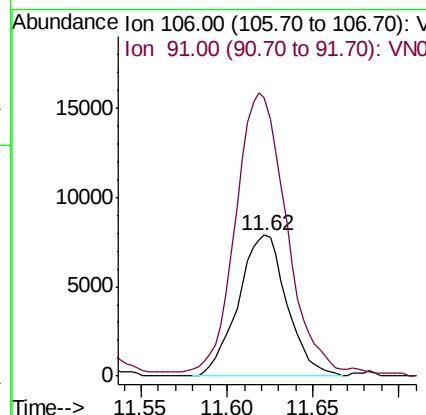
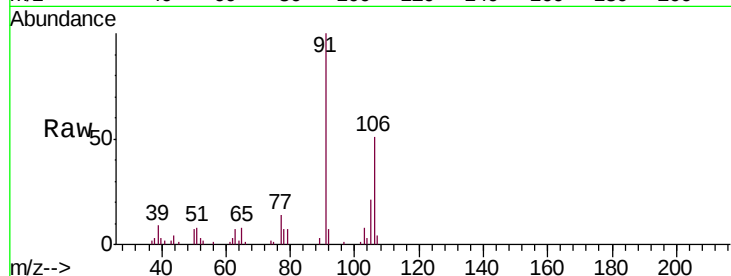




#68
m/p-Xylenes
Concen: 2.066 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

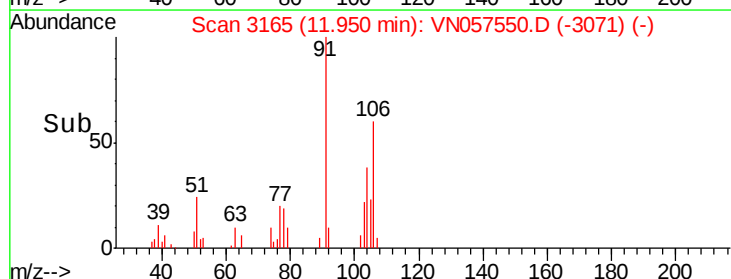
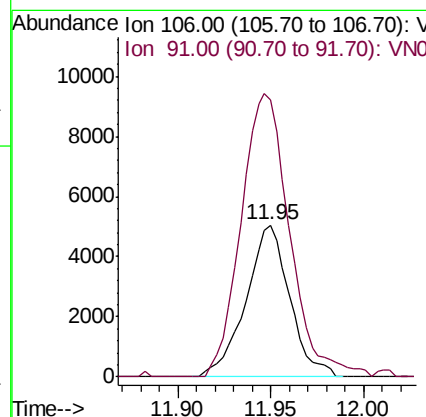
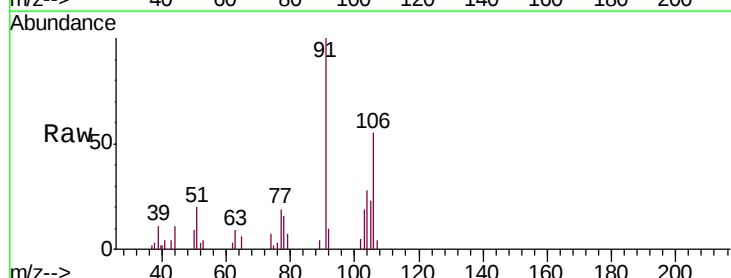
Instrument :
MSVOA_N
ClientSampled :

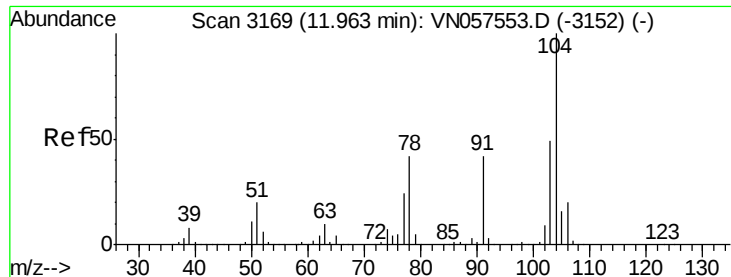
Tot Ion:106 Resp: 15490
Ion Ratio Lower Upper
106 100
91 204.2 171.8 257.6



#69
o-Xylene
Concen: 1.114 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion:106 Resp: 8240
Ion Ratio Lower Upper
106 100
91 207.6 112.3 336.9

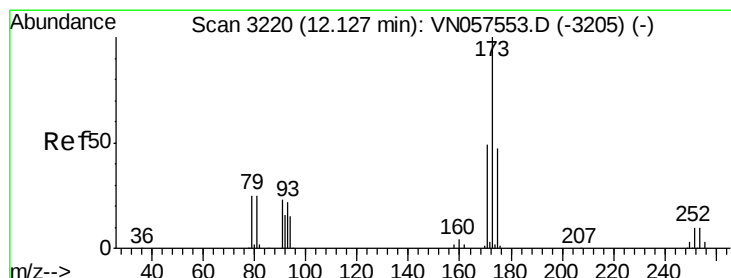
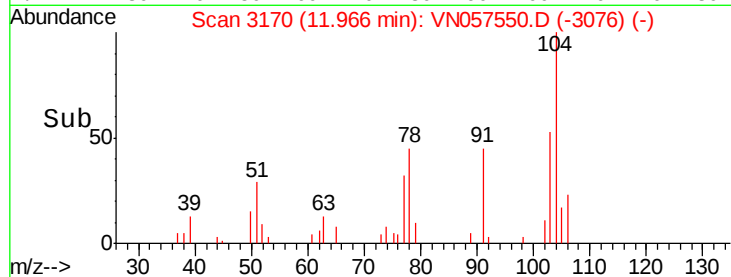
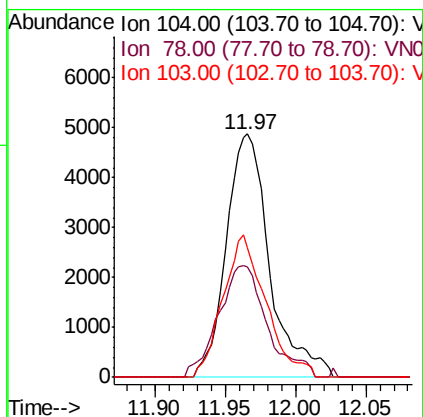
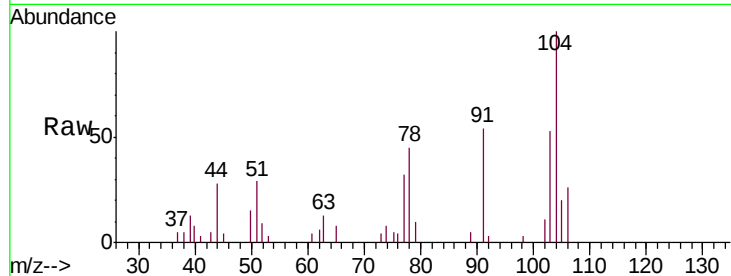




#70
Stvrene
Concen: 0.896 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

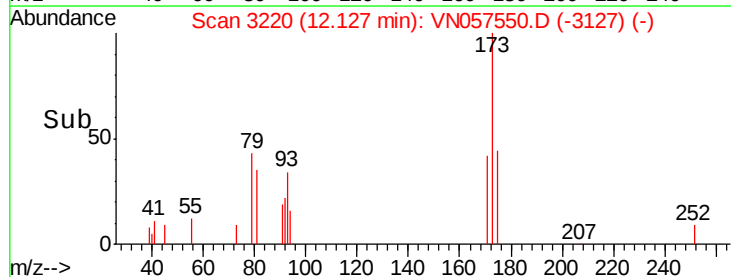
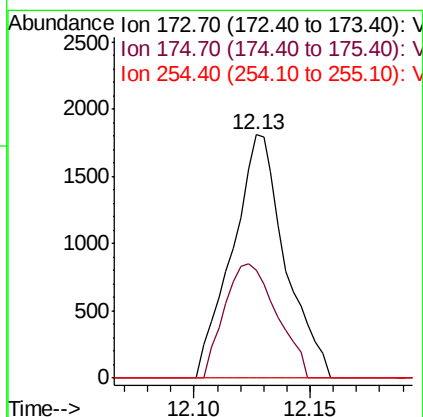
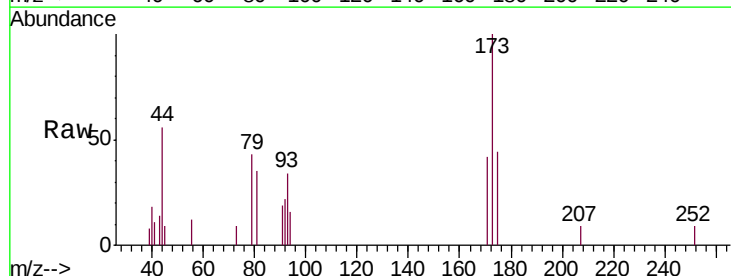
Instrument :
MSVOA_N
ClientSampled :

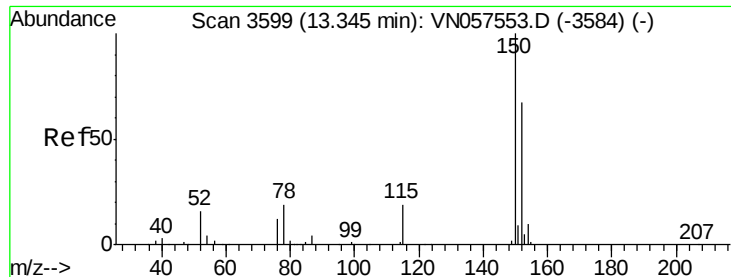
Tot Ion:104 Resp: 10505
Ion Ratio Lower Upper
104 100
78 51.2 44.7 67.1
103 57.5 44.4 66.6



#71
Bromoform
Concen: 0.966 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion:173 Resp: 2873
Ion Ratio Lower Upper
173 100
175 46.5 23.9 71.8
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

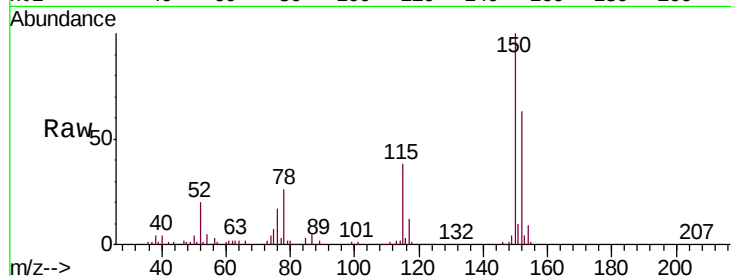
Tot Ion:152 Resp: 157026

Ion Ratio Lower Upper

152 100

115 59.5 32.0 96.0

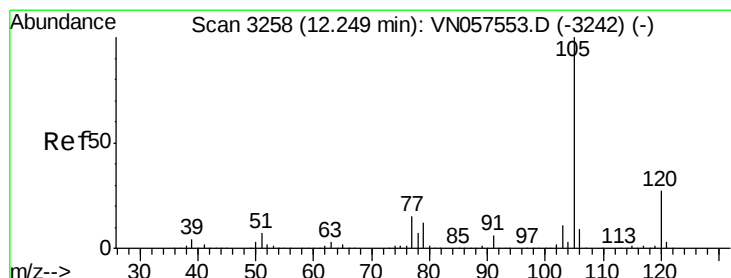
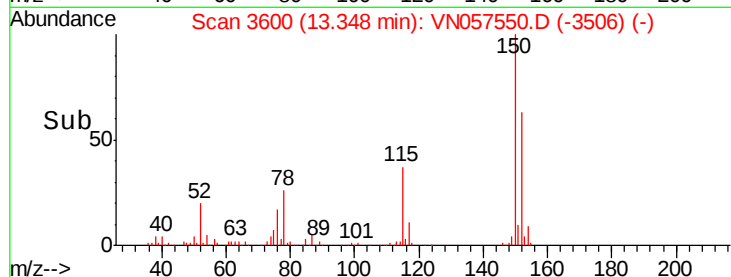
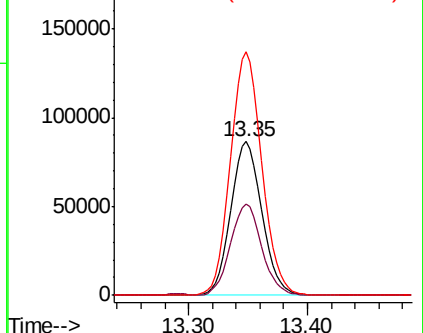
150 158.7 0.0 346.6



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#73

Isopropylbenzene

Concen: 1.181 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN057550.D

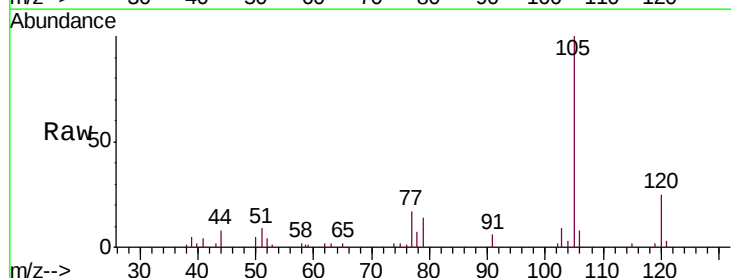
Acq: 29 Aug 2019 14:55

Tgt Ion:105 Resp: 20733

Ion Ratio Lower Upper

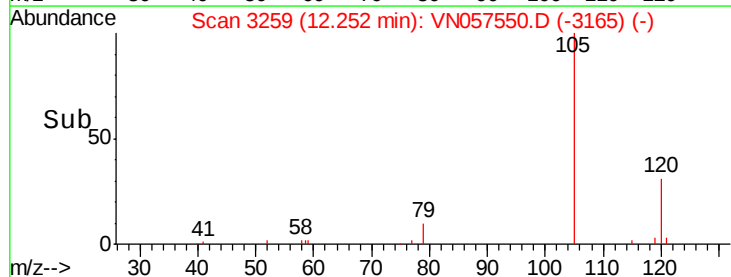
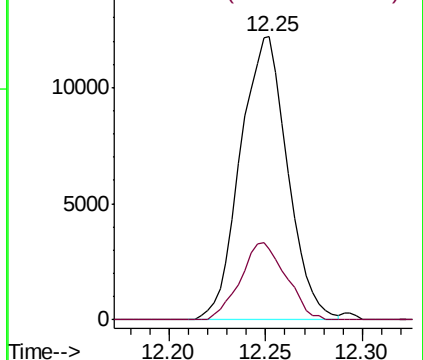
105 100

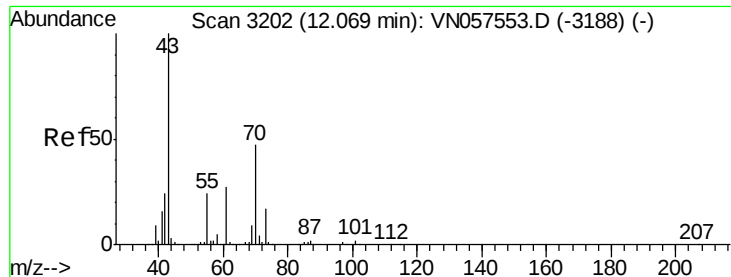
120 26.3 12.7 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.667 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN057550.D

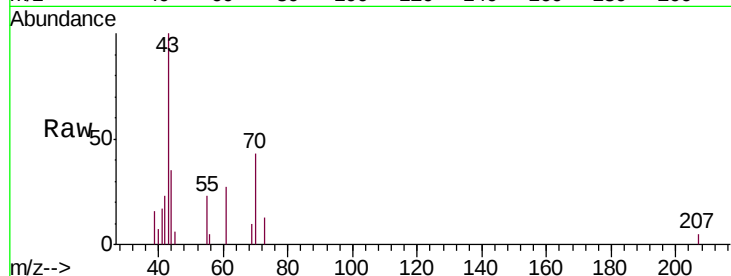
Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	43	Resp:	5011
Ion	Ratio	Lower	Upper
43	100		
70	47.9	27.8	41.6#
55	29.1	17.0	25.4#
61	25.0	17.0	25.6

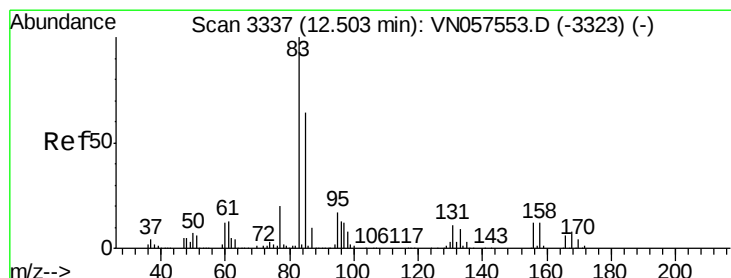
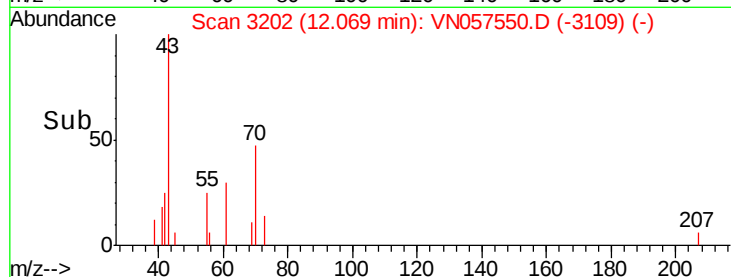
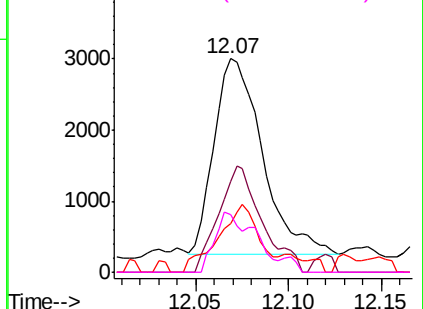


Abundance Ion 43.00 (42.70 to 43.70): VN057553.D (-3188) (-)

Ion 70.00 (69.70 to 70.70): VN057553.D (-3188) (-)

Ion 55.00 (54.70 to 55.70): VN057553.D (-3188) (-)

Ion 61.00 (60.70 to 61.70): VN057553.D (-3188) (-)



#75

1,1,2,2-Tetrachloroethane

Concen: 0.973 ug/l

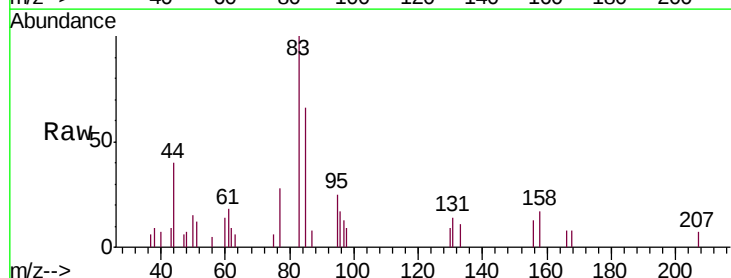
RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

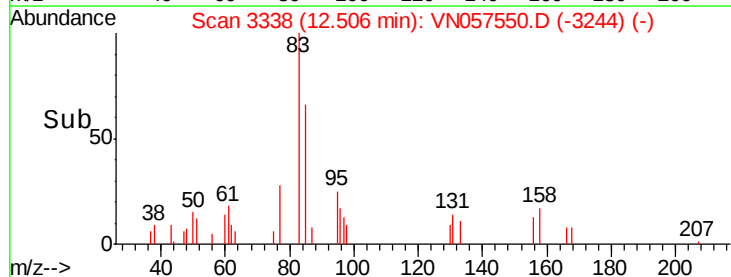
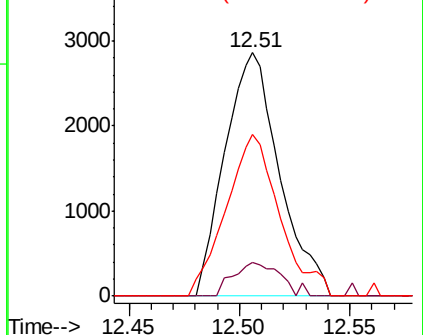
Tgt Ion:	83	Resp:	4901
Ion	Ratio	Lower	Upper
83	100		
131	12.1	4.3	13.1
85	65.0	32.3	96.8

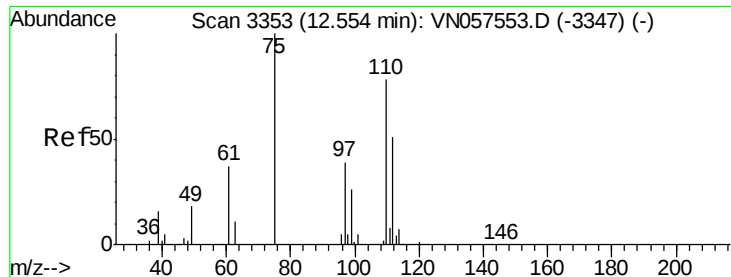


Abundance Ion 82.90 (82.60 to 83.60): VN057553.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN057553.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN057553.D (-3323) (-)





#76

1,2,3-Trichloropropane

Concen: 1.731 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

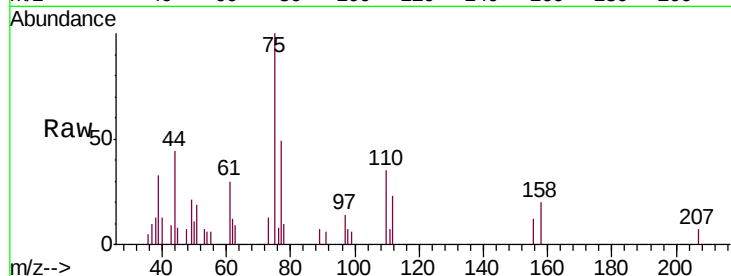
ClientSampleId :

Tot Ion: 75 Resp: 6739

Ion Ratio Lower Upper

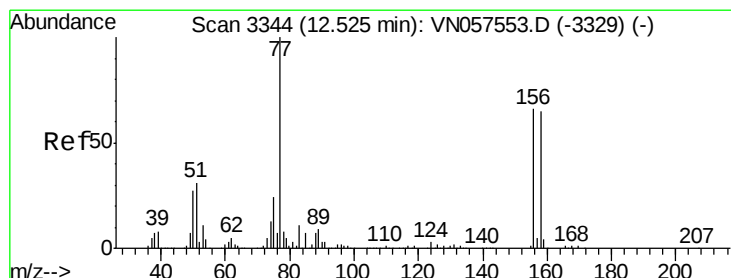
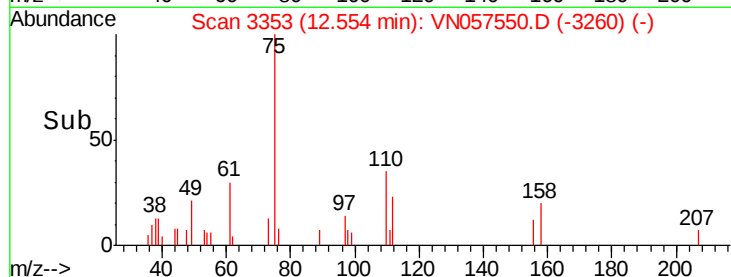
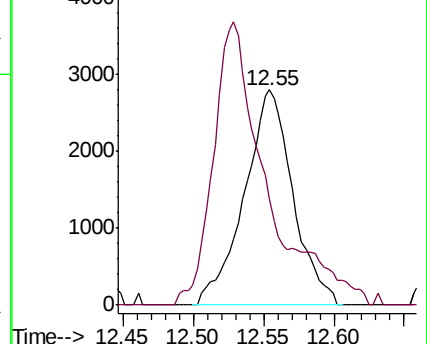
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN057553.D (-3347) (-)

Ion 77.00 (76.70 to 77.70): VN057553.D (-3347) (-)



#77

Bromobenzene

Concen: 1.247 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

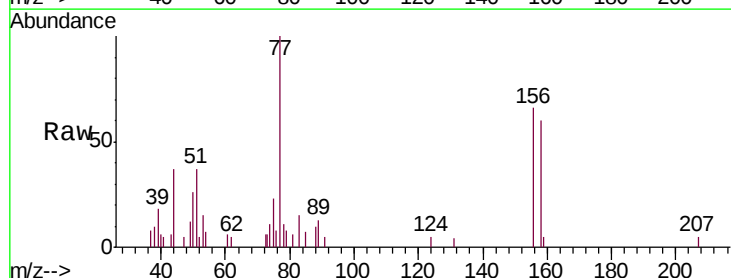
Tgt Ion: 156 Resp: 4446

Ion Ratio Lower Upper

156 100

77 217.7 124.4 373.3

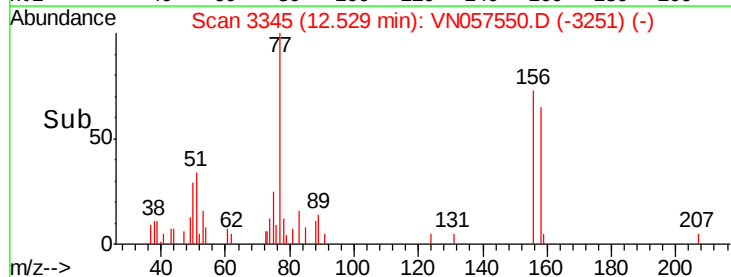
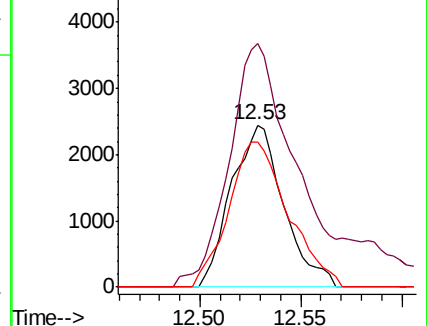
158 101.4 48.3 144.8

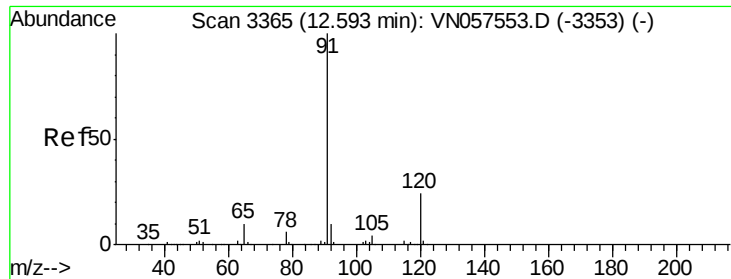


Abundance Ion 155.80 (155.50 to 156.50): VN057553.D (-3329) (-)

Ion 77.00 (76.70 to 77.70): VN057553.D (-3329) (-)

Ion 157.80 (157.50 to 158.50): VN057553.D (-3329) (-)





#78

n-propylbenzene

Concen: 1.030 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

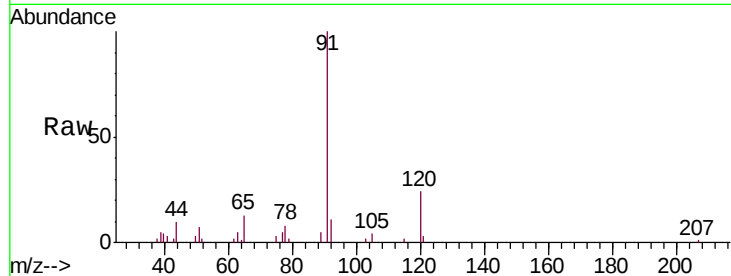
ClientSampled :

Tot Ion: 91 Resp: 19047

Ion Ratio Lower Upper

91 100

120 23.7 10.7 32.1



Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3353) (-)

Ion 120.00 (119.70 to 120.70): VN057553.D (-3353) (-)

12000

10000

8000

6000

4000

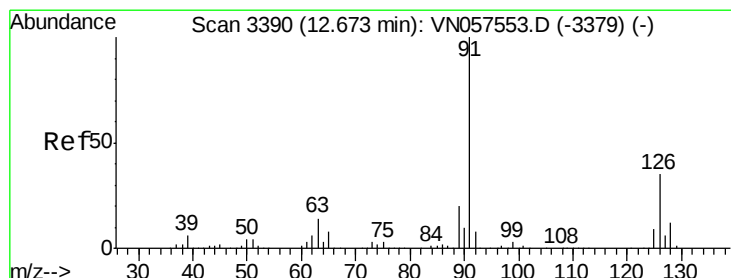
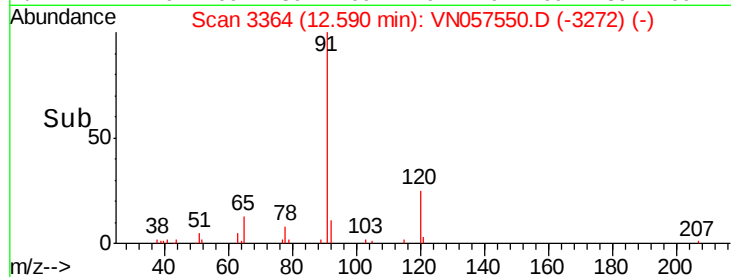
2000

0

Time-->

12.55 12.60 12.65

12.59



#79

2-Chlorotoluene

Concen: 1.122 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. 0.00 min

Lab File: VN057550.D

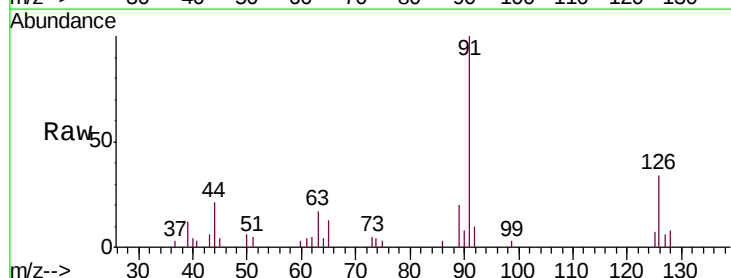
Acq: 29 Aug 2019 14:55

Tgt Ion: 91 Resp: 12359

Ion Ratio Lower Upper

91 100

126 34.0 15.3 45.8



Abundance Ion 91.00 (90.70 to 91.70): VN057553.D (-3379) (-)

Ion 125.90 (125.60 to 126.60): VN057553.D (-3379) (-)

6000

4000

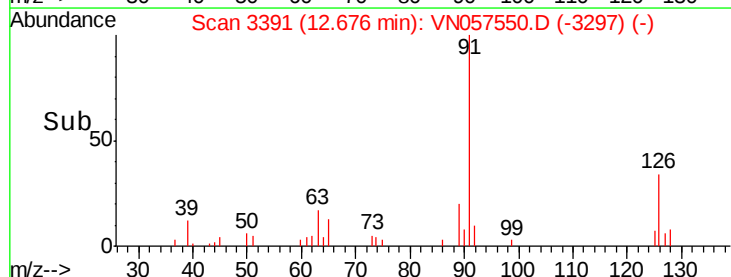
2000

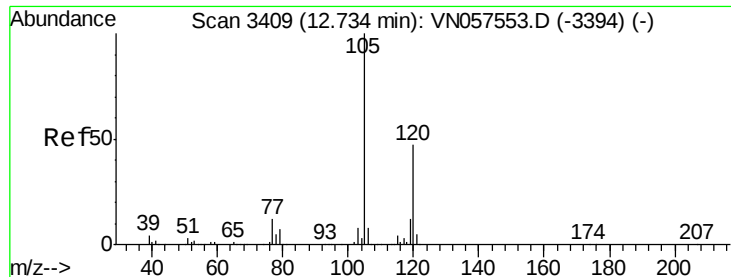
0

Time-->

12.65 12.70

12.68

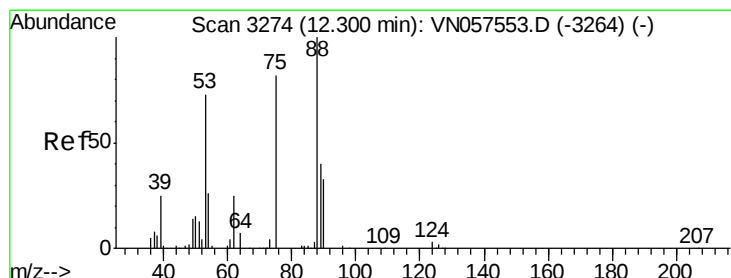
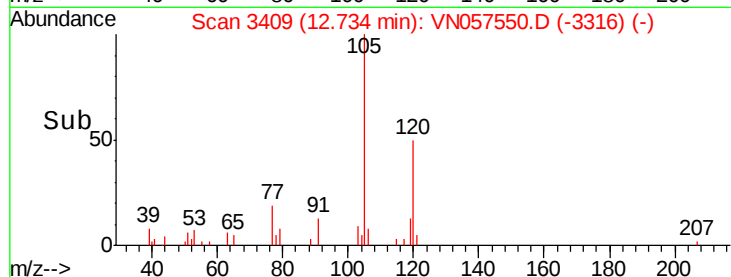
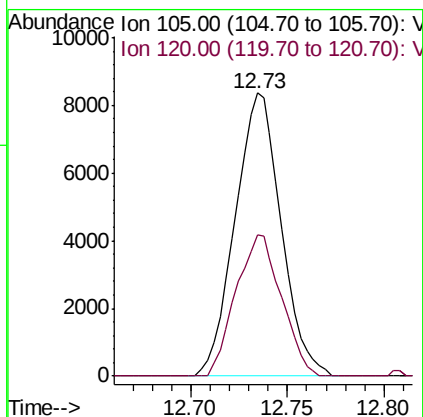
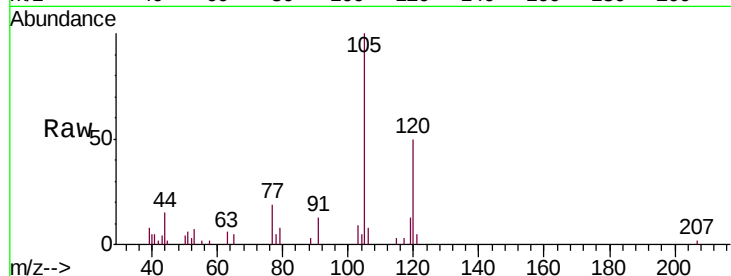




#80
 1,3,5-Trimethylbenzene
 Concen: 0.993 ug/l
 RT: 12.73 min Scan# 3409
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

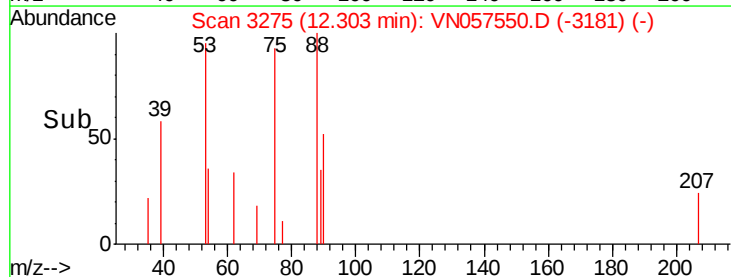
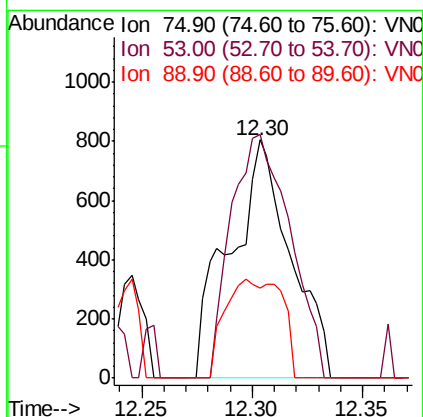
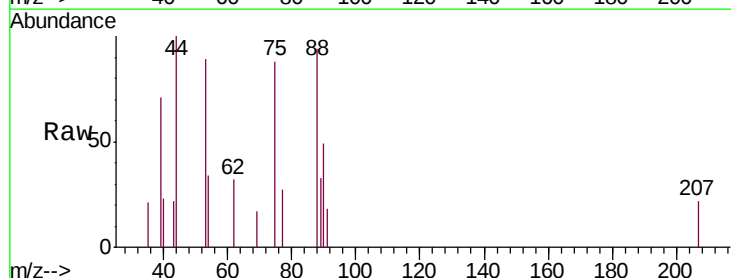
Instrument :
 MSVOA_N
 ClientSampled :

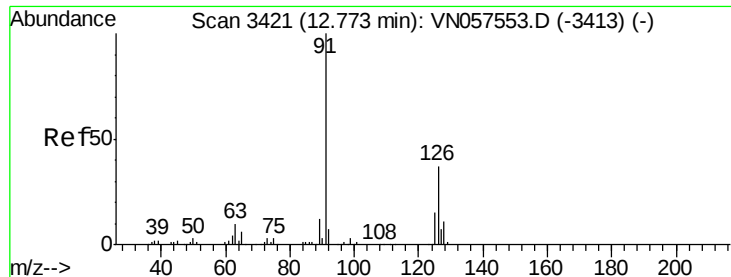
Tot Ion:105 Resp: 13806
 Ion Ratio Lower Upper
 105 100
 120 49.3 23.3 69.8



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.039 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion: 75 Resp: 1538
 Ion Ratio Lower Upper
 75 100
 53 99.3 82.7 124.1
 89 24.4 35.8 53.8#

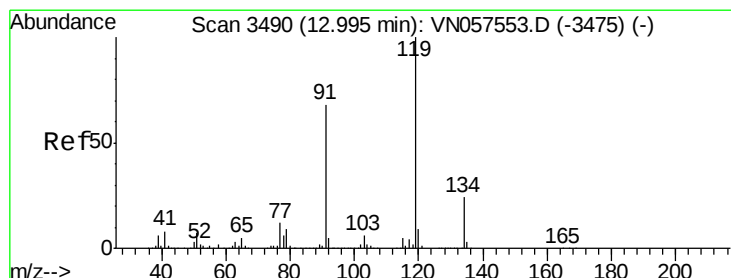
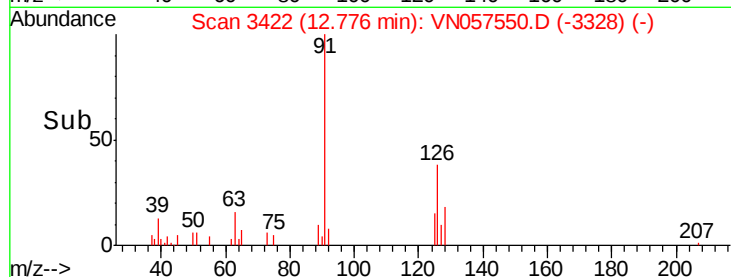
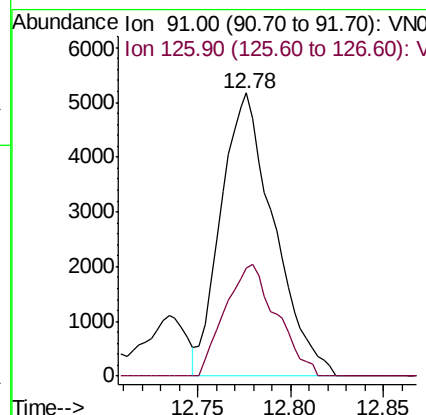
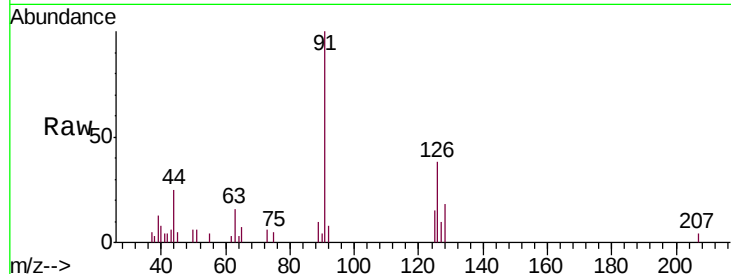




#82
4-Chlorotoluene
Concen: 0.974 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

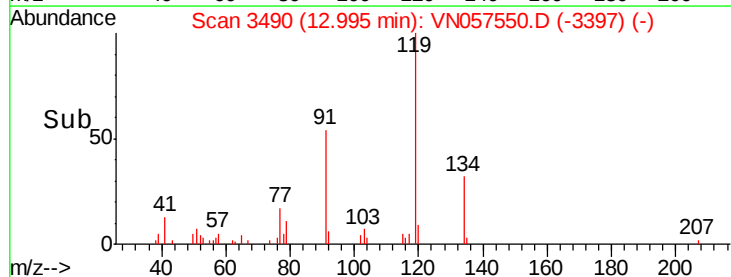
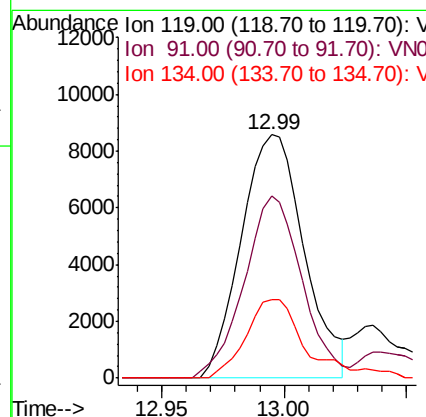
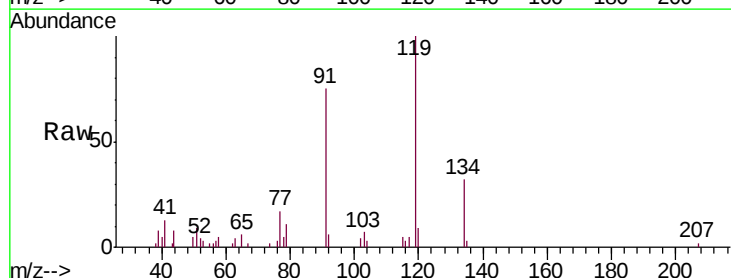
Instrument :
MSVOA_N
ClientSampleId :

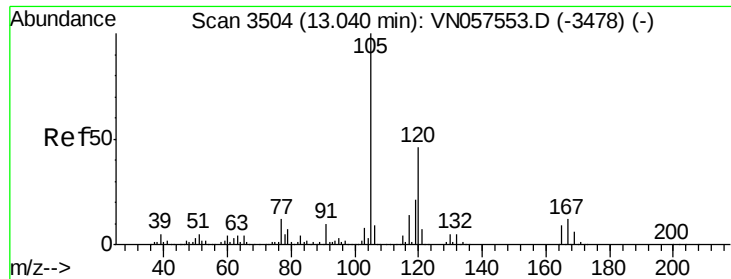
Tot Ion: 91 Resp: 10255
Ion Ratio Lower Upper
91 100
126 38.4 15.0 45.0



#83
tert-Butylbenzene
Concen: 1.238 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN057550.D
Acq: 29 Aug 2019 14:55

Tgt Ion: 119 Resp: 15381
Ion Ratio Lower Upper
119 100
91 68.7 37.0 111.0
134 31.1 12.2 36.6





#84

1,2,4-Trimethylbenzene

Concen: 0.930 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

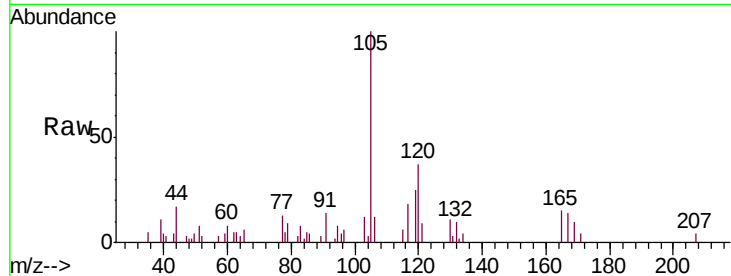
ClientSampled :

Tot Ion:105 Resp: 11472

Ion Ratio Lower Upper

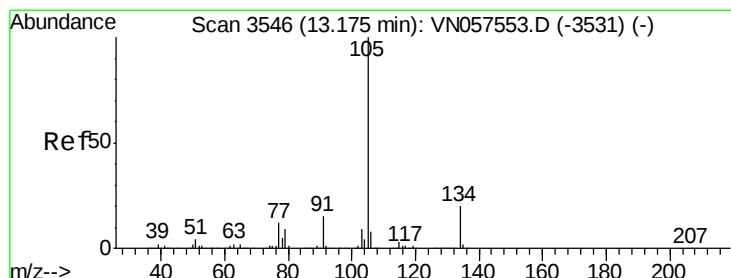
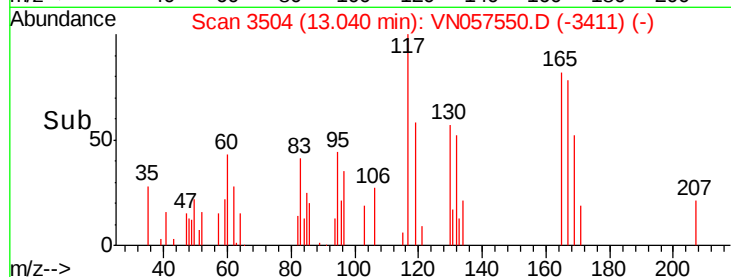
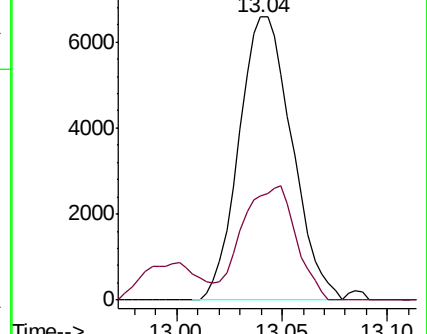
105 100

120 41.3 21.9 65.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 1.007 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN057550.D

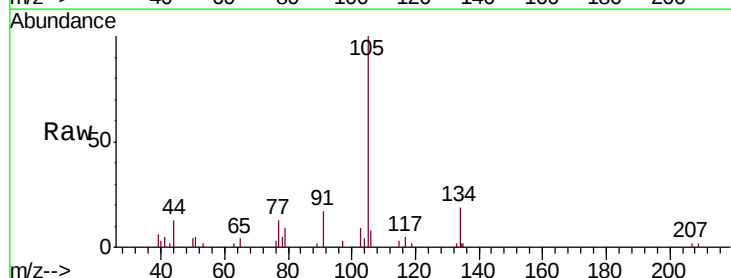
Acq: 29 Aug 2019 14:55

Tgt Ion:105 Resp: 15255

Ion Ratio Lower Upper

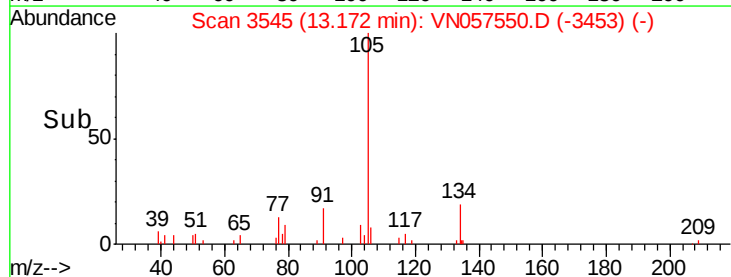
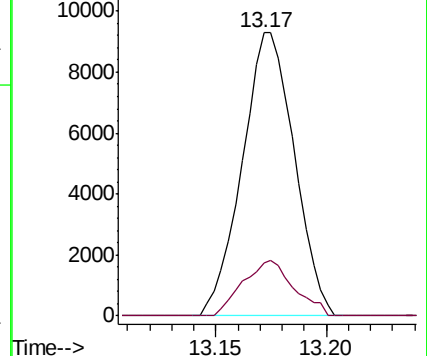
105 100

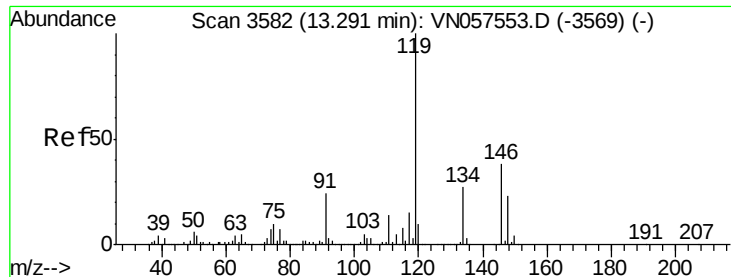
134 19.0 9.3 27.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V





#86

p-Isopropyltoluene

Concen: 0.937 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN057550.D

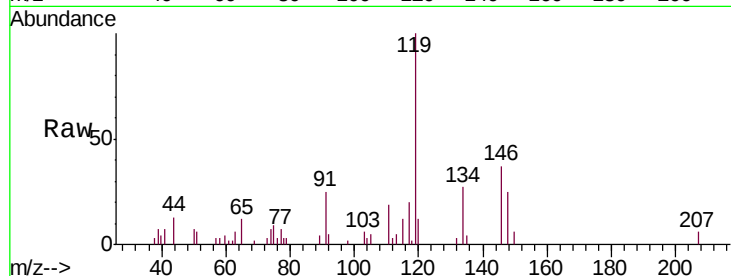
Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:	119	Resp:	11715
Ion	Ratio	Lower	Upper
119	100		
134	27.0	12.7	38.1
91	25.2	13.9	41.6

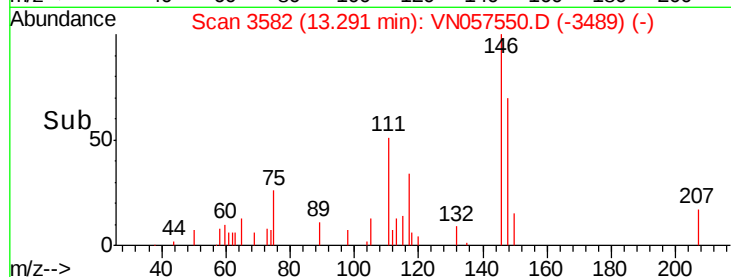


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



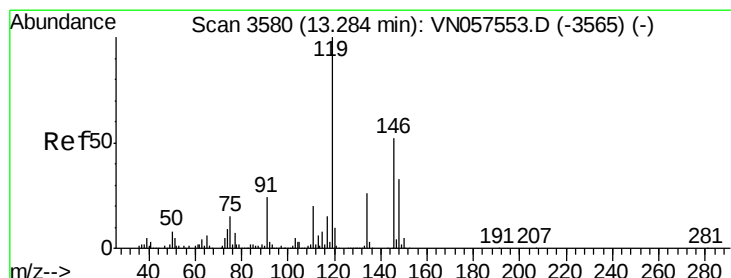
Abundance

Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

Time-->



#87

1,3-Dichlorobenzene

Concen: 1.016 ug/l

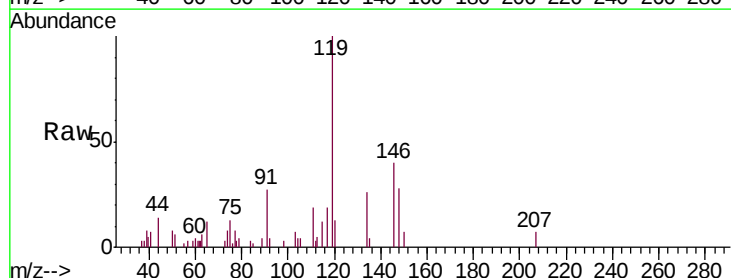
RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Tgt Ion:	146	Resp:	5326
Ion	Ratio	Lower	Upper
146	100		
111	41.0	22.1	66.1
148	65.2	31.9	95.9

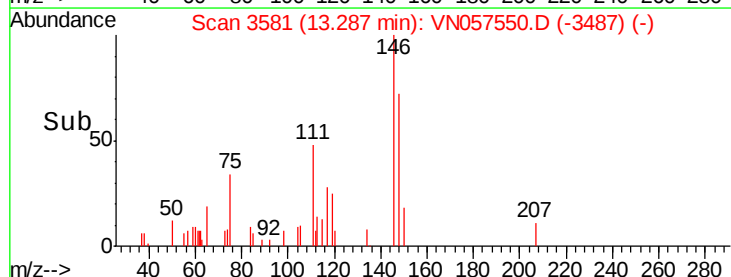


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

Time-->



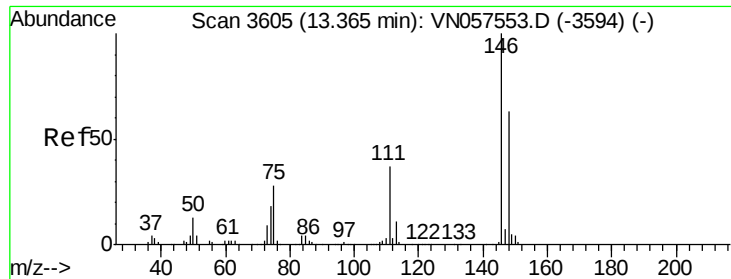
Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

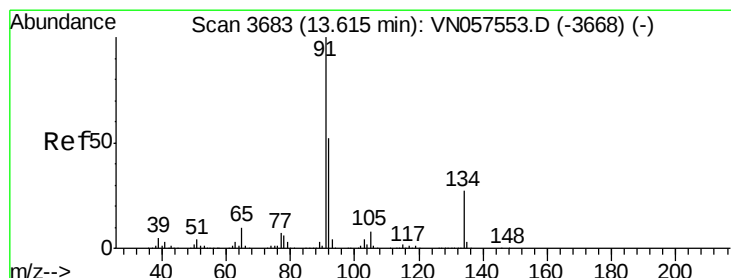
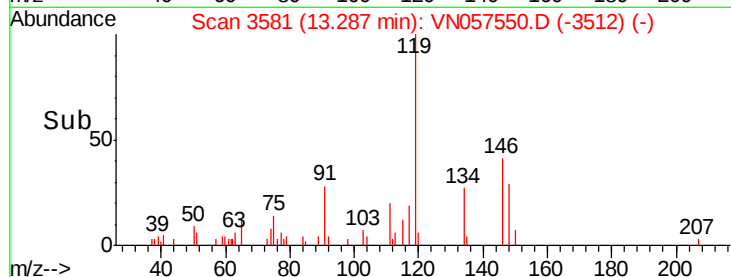
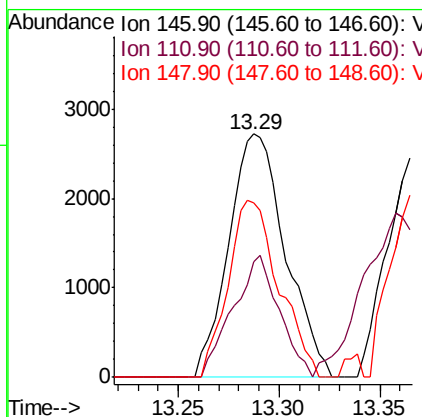
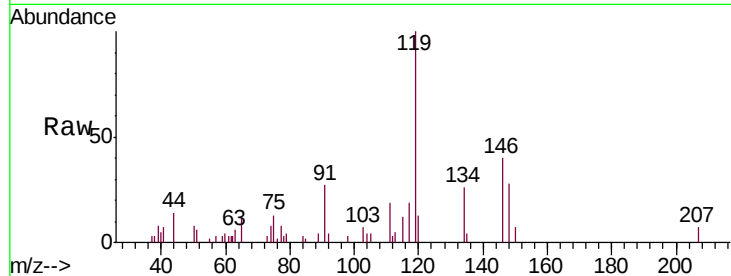
Time-->



#88
 1,4-Dichlorobenzene
 Concen: 1.042 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.08 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

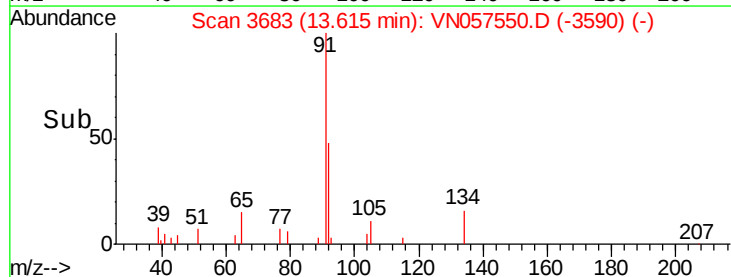
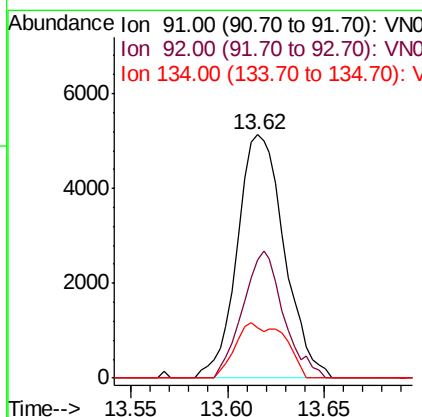
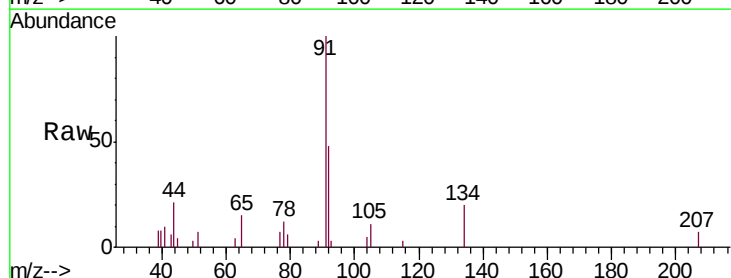
Instrument :
 MSVOA_N
 ClientSampleId :

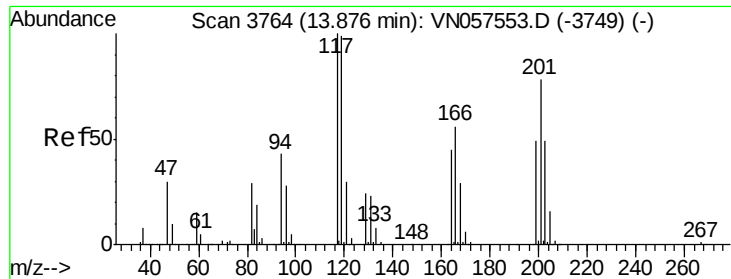
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.0	21.9	65.5
148	65.2	31.1	93.2



#89
 n-Butylbenzene
 Concen: 0.840 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. -0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Tgt Ion	Ratio	Lower	Upper
91	100		
92	45.2	25.7	77.0
134	13.5	11.4	34.1





#90

Hexachloroethane

Concen: 1.151 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

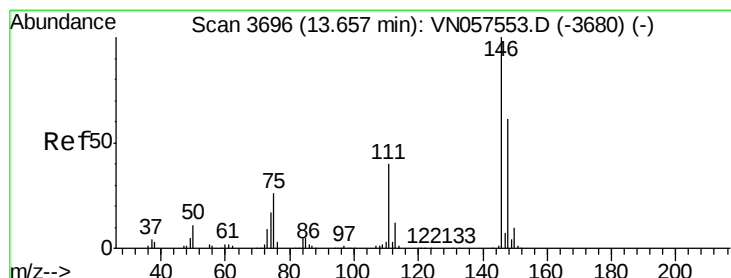
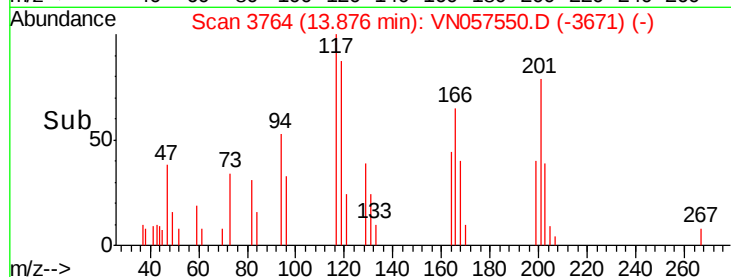
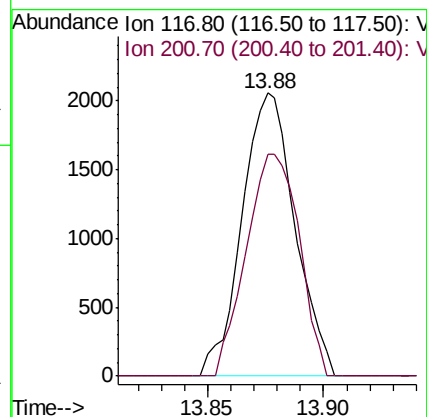
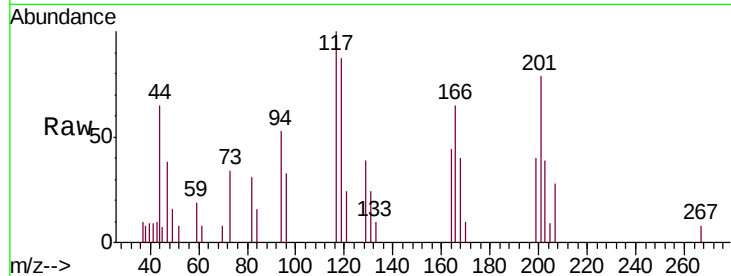
ClientSampled :

Tot Ion:117 Resp: 3260

Ion Ratio Lower Upper

117 100

201 78.4 33.1 99.3



#91

1,2-Dichlorobenzene

Concen: 0.907 ug/l

RT: 13.66 min Scan# 3698

Delta R.T. 0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

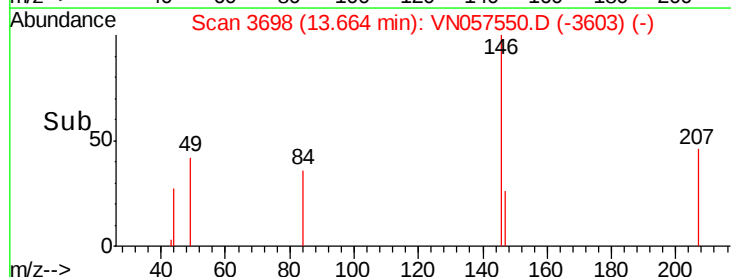
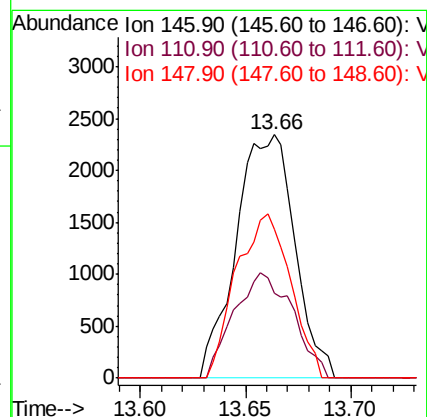
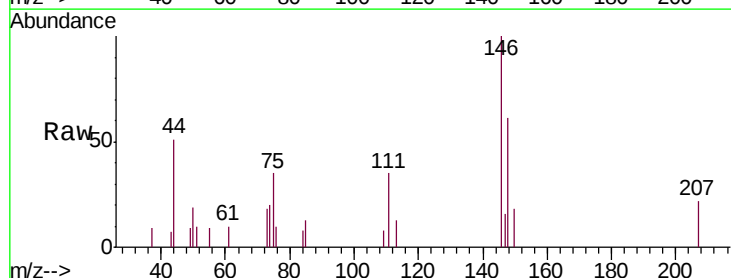
Tgt Ion:146 Resp: 4534

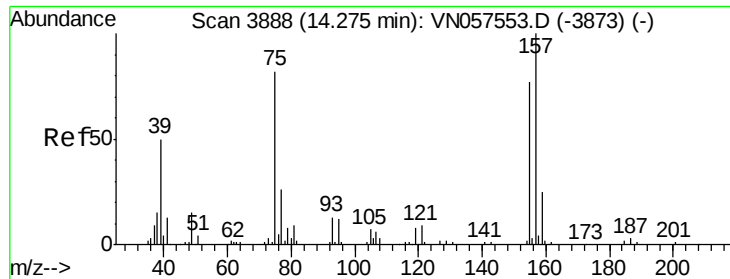
Ion Ratio Lower Upper

146 100

111 43.1 23.1 69.2

148 62.4 31.8 95.4





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.426 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

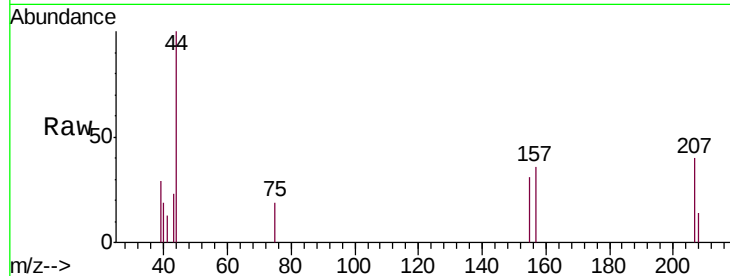
Tot Ion: 75 Resp: 345

Ion Ratio Lower Upper

75 100

155 175.4 31.6 94.7#

157 162.6 43.3 129.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

600

500

400

300

200

100

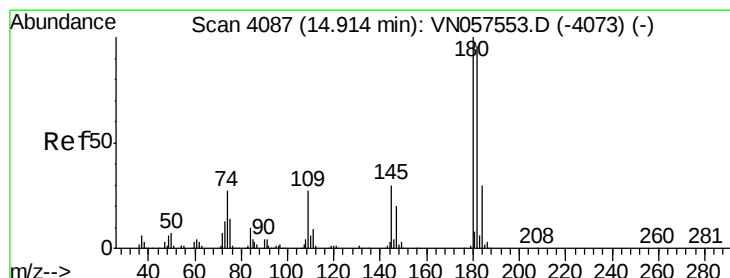
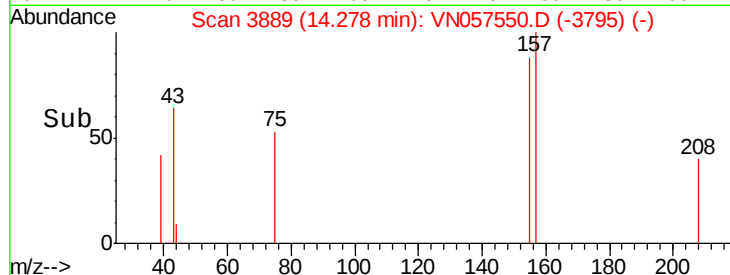
0

14.26

14.28

14.30

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 0.337 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. -0.01 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

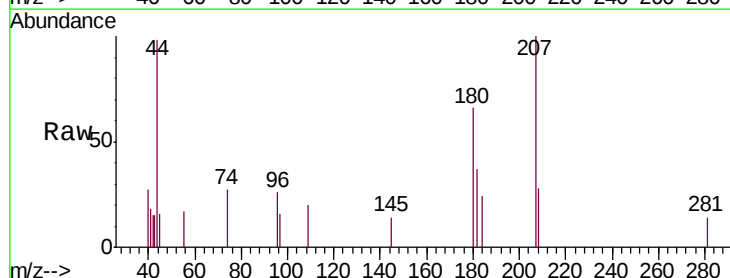
Tgt Ion: 180 Resp: 616

Ion Ratio Lower Upper

180 100

182 205.0 46.7 140.1#

145 75.6 15.6 46.8#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V

1000

500

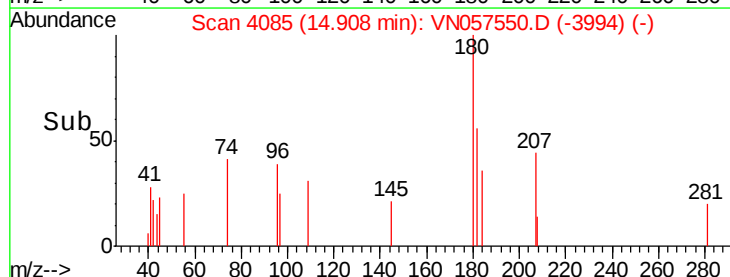
0

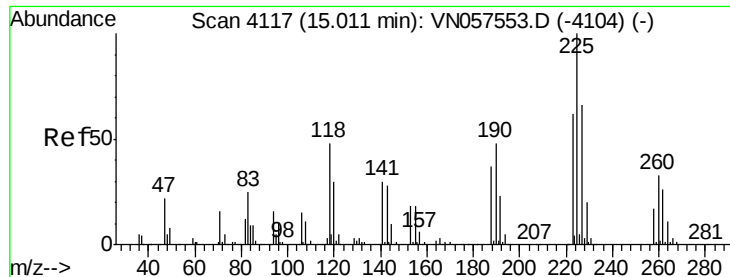
14.90

14.91

14.92

Time-->





#94

Hexachlorobutadiene

Concen: 1.093 ug/l

RT: 15.01 min Scan# 4118

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

Instrument :

MSVOA_N

ClientSampled :

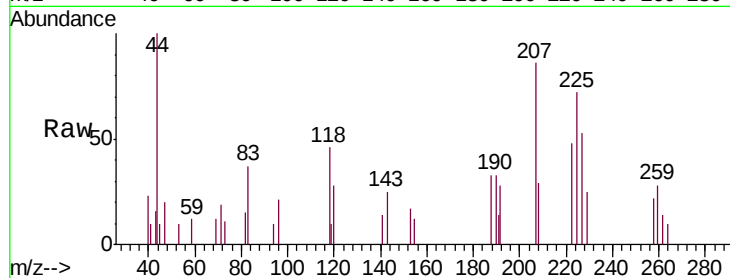
Tot Ion:225 Resp: 1704

Ion Ratio Lower Upper

225 100

223 58.7 32.0 96.2

227 72.9 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

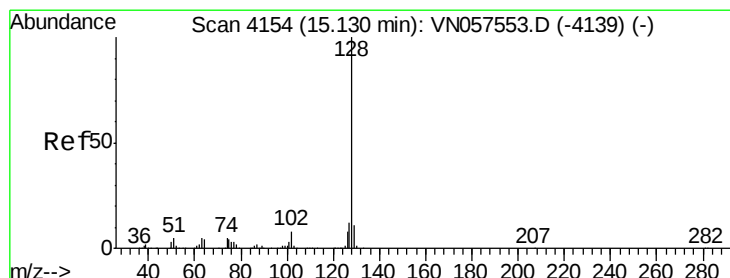
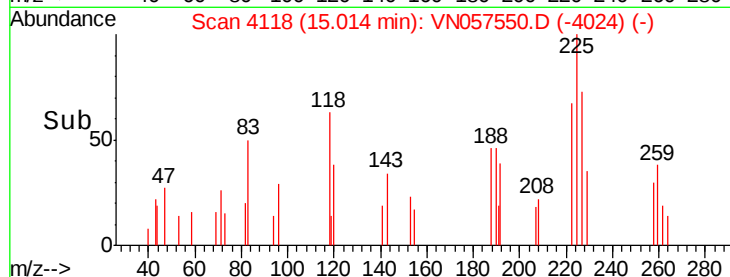
15.01

1000

500

0

Time-->



#95

Naphthalene

Concen: 0.800 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN057550.D

Acq: 29 Aug 2019 14:55

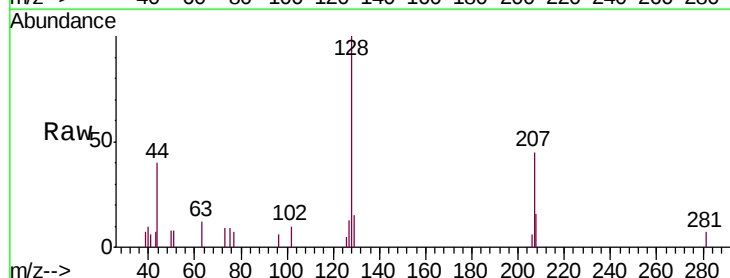
Tgt Ion:128 Resp: 4742

Ion Ratio Lower Upper

128 100

127 13.3 10.5 15.7

129 14.3 8.6 13.0#



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

15.13

4000

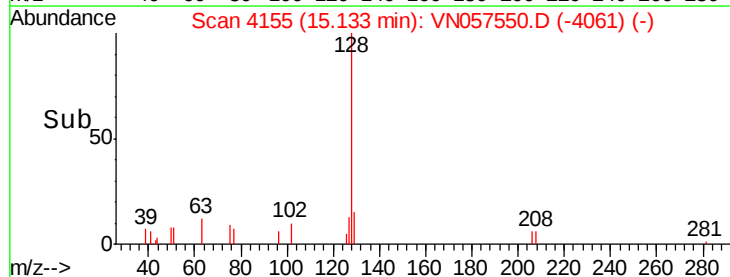
3000

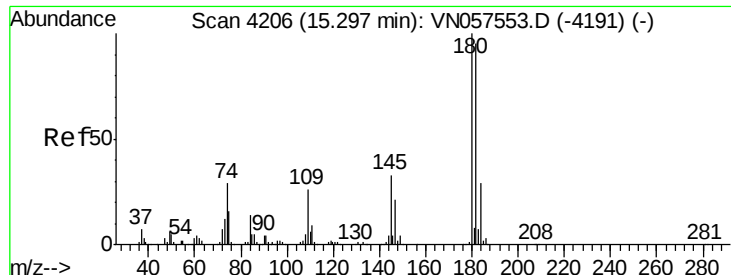
2000

1000

0

Time-->





#96
 1,2,3-Trichlorobenzene
 Concen: 0.927 ug/l
 RT: 15.30 min Scan# 4207
 Delta R.T. 0.00 min
 Lab File: VN057550.D
 Acq: 29 Aug 2019 14:55

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:	180	Resp:	1756
Ion Ratio	Lower	Upper	
180	100		
182	100.3	46.7	140.1
145	27.4	16.8	50.3

