

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN052920\
 Data File : VN061560.D
 Acq On : 29 May 2020 12:28
 Operator : JC/MD
 Sample : L2182-09 .2PPB MDL
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 30 07:15:46 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N052820W.M
 Quant Title : SW846 8260
 QLast Update : Fri May 29 02:14:10 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.63	168	315150	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.55	114	560815	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.38	117	501726	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.32	152	208581	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	7.99	65	195191	51.98	ug/l	0.00
Spiked Amount			Recovery	=	103.96%	
35) Dibromofluoromethane	7.55	113	153669	54.02	ug/l	0.00
Spiked Amount			Recovery	=	108.04%	
50) Toluene-d8	10.06	98	623703	47.31	ug/l	0.00
Spiked Amount			Recovery	=	94.62%	
62) 4-Bromofluorobenzene	12.38	95	204643	42.55	ug/l	0.00
Spiked Amount			Recovery	=	85.10%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.82	85	526	0.160	ug/l #	43
3) Chloromethane	2.03	50	1482	0.386	ug/l	99
4) Vinyl Chloride	2.16	62	1078	0.205	ug/l #	88
5) Bromomethane	2.54	94	1772	0.586	ug/l #	62
6) Chloroethane	2.68	64	860	0.254	ug/l #	62
7) Trichlorofluoromethane	2.98	101	1118	0.165	ug/l	89
8) Diethyl Ether	3.37	74	380	0.183	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.71	101	410	0.136	ug/l #	60
10) Methyl Iodide	3.91	142	1321	0.316	ug/l #	70
11) Tert butyl alcohol	4.73	59	329	0.659	ug/l #	72
12) 1,1-Dichloroethene	3.69	96	756	0.235	ug/l #	84
13) Acrolein	3.56	56	30	0.157	ug/l #	13
14) Allyl chloride	4.27	41	420	0.100	ug/l #	67
15) Acrylonitrile	4.96	53	1239	0.889	ug/l #	21
16) Acetone	3.79	43	3064	2.307	ug/l	96
17) Carbon Disulfide	4.01	76	3489	0.492	ug/l #	74
18) Methyl Acetate	4.29	43	1165	0.343	ug/l #	46
19) Methyl tert-butyl Ether	4.98	73	349	0.032	ug/l #	56
20) Methylene Chloride	4.51	84	1013	0.220	ug/l #	67
21) trans-1,2-Dichloroethene	4.99	96	283	0.078	ug/l #	47
22) Diisopropyl ether	5.90	45	1756	0.189	ug/l #	70
23) Vinyl Acetate	5.85	43	5733	0.775	ug/l	100
24) 1,1-Dichloroethane	5.80	63	1182	0.201	ug/l #	81
25) 2-Butanone	6.79	43	1156	0.650	ug/l #	42
26) 2,2-Dichloropropane	6.77	77	1269	0.236	ug/l #	51
27) cis-1,2-Dichloroethene	6.79	96	1059	0.258	ug/l	83
28) Bromochloromethane	7.15	49	333	0.131	ug/l #	48
29) Tetrahydrofuran	7.17	42	1859	1.584	ug/l #	77
30) Chloroform	7.32	83	1148	0.176	ug/l	92
31) Cyclohexane	7.62	56	6914	1.307	ug/l #	30
32) 1,1,1-Trichloroethane	7.52	97	434	0.073	ug/l #	37
36) 1,1-Dichloropropene	7.75	75	1146	0.231	ug/l #	73
37) Ethyl Acetate	6.88	43	696	0.174	ug/l #	66
38) Carbon Tetrachloride	7.63	117	33085	6.909	ug/l #	15

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 Quant Title : SW846 8260
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	1189	0.194	ug/l	93
40) Benzene	8.00	78	3104	0.203	ug/l #	89
41) Methacrylonitrile	7.11	41	153	0.084	ug/l #	48
42) 1,2-Dichloroethane	8.08	62	1522	0.297	ug/l #	72
43) Isopropyl Acetate	8.13	43	1186	0.165	ug/l #	51
44) Trichloroethene	8.81	130	933	0.198	ug/l	76
45) 1,2-Dichloropropane	9.08	63	215	0.059	ug/l #	36
46) Dibromomethane	9.18	93	57	0.020	ug/l #	1
47) Bromodichloromethane	9.37	83	633	0.115	ug/l #	93
48) Methyl methacrylate	9.17	41	582	0.180	ug/l #	18
49) 1,4-Dioxane	9.17	88	342	6.821	ug/l #	75
51) 4-Methyl-2-Pentanone	9.95	43	3974	0.980	ug/l	91
52) Toluene	10.13	92	1912	0.191	ug/l	92
53) t-1,3-Dichloropropene	10.36	75	1115	0.187	ug/l #	42
54) cis-1,3-Dichloropropene	9.81	75	1187	0.185	ug/l	94
55) 1,1,2-Trichloroethane	10.53	97	638	0.160	ug/l #	88
56) Ethyl methacrylate	10.40	69	784	0.141	ug/l #	57
57) 1,3-Dichloropropane	10.68	76	1353	0.212	ug/l #	50
58) 2-Chloroethyl Vinyl ether	9.67	63	2005	0.843	ug/l	96
59) 2-Hexanone	10.72	43	3449	1.185	ug/l	84
60) Dibromochloromethane	10.87	129	571	0.126	ug/l	88
61) 1,2-Dibromoethane	10.98	107	759	0.183	ug/l	95
64) Tetrachloroethene	10.60	164	993	0.210	ug/l #	90
65) Chlorobenzene	11.41	112	2694	0.258	ug/l	90
66) 1,1,1,2-Tetrachloroethane	11.48	131	436	0.112	ug/l #	59
67) Ethyl Benzene	11.48	91	3973	0.220	ug/l	94
68) m/p-Xylenes	11.60	106	3051	0.427	ug/l	97
69) o-Xylene	11.92	106	1262	0.186	ug/l	83
70) Styrene	11.94	104	2252	0.200	ug/l #	91
71) Bromoform	12.10	173	283	0.095	ug/l #	28
73) Isopropylbenzene	12.22	105	3594	0.236	ug/l	98
74) N-amyl acetate	12.05	43	1538	0.321	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.49	83	1038	0.243	ug/l #	75
76) 1,2,3-Trichloropropane	12.37	75	102197	26.945	ug/l #	100
77) Bromobenzene	12.50	156	1166	0.300	ug/l	90
78) n-propylbenzene	12.57	91	5492	0.323	ug/l	96
79) 2-Chlorotoluene	12.65	91	2503	0.247	ug/l	94
80) 1,3,5-Trimethylbenzene	12.71	105	3149	0.247	ug/l	93
81) trans-1,4-Dichloro-2-buten	12.37	75	102197	68.905	ug/l #	15
82) 4-Chlorotoluene	12.75	91	3605	0.338	ug/l	92
83) tert-Butylbenzene	12.97	119	2656	0.236	ug/l	98
84) 1,2,4-Trimethylbenzene	13.02	105	3644	0.288	ug/l	97
85) sec-Butylbenzene	13.15	105	4080	0.282	ug/l	95
86) p-Isopropyltoluene	13.26	119	3488	0.261	ug/l	98
87) 1,3-Dichlorobenzene	13.26	146	2739	0.398	ug/l	99
88) 1,4-Dichlorobenzene	13.26	146	2739	0.391	ug/l	99
89) n-Butylbenzene	13.59	91	4807	0.430	ug/l	89
90) Hexachloroethane	13.85	117	179	0.121	ug/l #	13
91) 1,2-Dichlorobenzene	13.63	146	2382	0.362	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.24	75	266	0.306	ug/l	78

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Quant Title : SW846 8260
QLast Update : Fri May 29 02:14:10 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.89	180	3302	0.859	ug/l	97
94) Hexachlorobutadiene	14.98	225	971	0.592	ug/l	98
95) Naphthalene	15.11	128	12250	1.046	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	3419	0.904	ug/l	94

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.63 min Scan# 1820

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

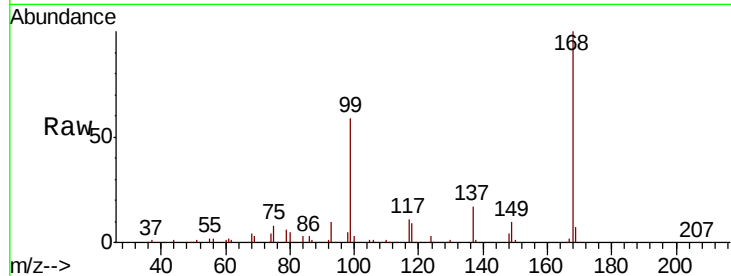
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 315150

Ion Ratio Lower Upper

168 100

99 59.1 45.0 67.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.63

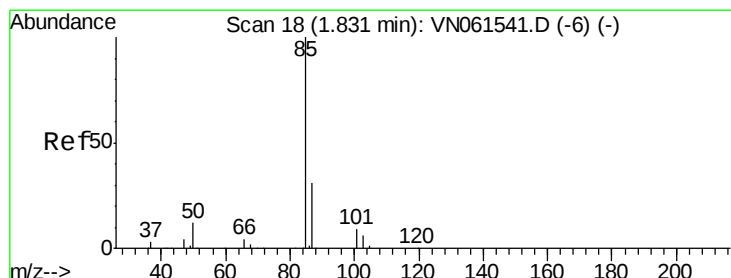
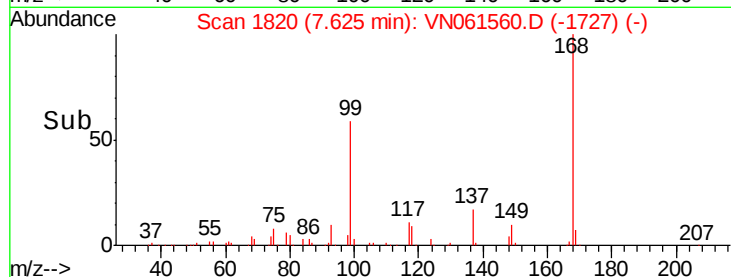
150000

100000

50000

0

Time--> 7.50 7.60 7.70



#2

Dichlorodifluoromethane

Concen: 0.160 ug/l

RT: 1.82 min Scan# 16

Delta R.T. -0.01 min

Lab File: VN061560.D

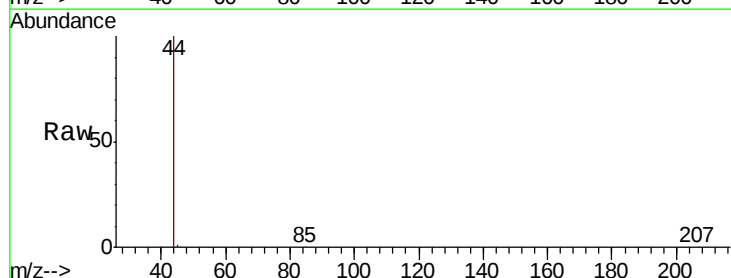
Acq: 29 May 2020 12:28

Tgt Ion: 85 Resp: 526

Ion Ratio Lower Upper

85 100

87 0.0 15.6 46.8#



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.82

500

400

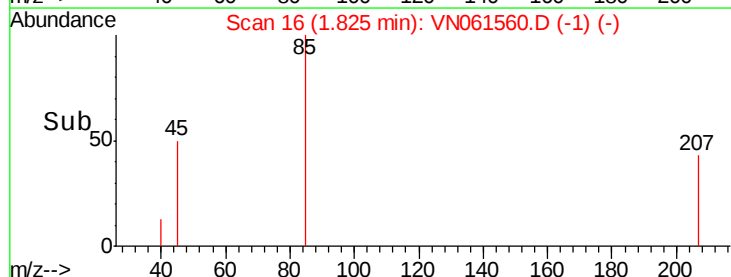
300

200

100

0

Time--> 1.80 1.82 1.84 1.86





#3

Chloromethane

Concen: 0.386 ug/l

RT: 2.03 min Scan# 81

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

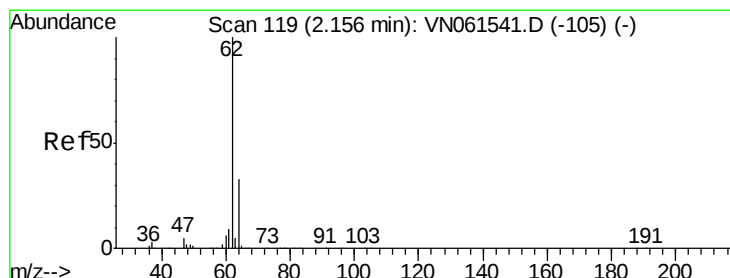
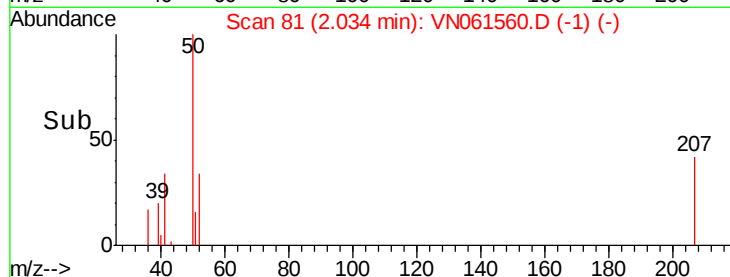
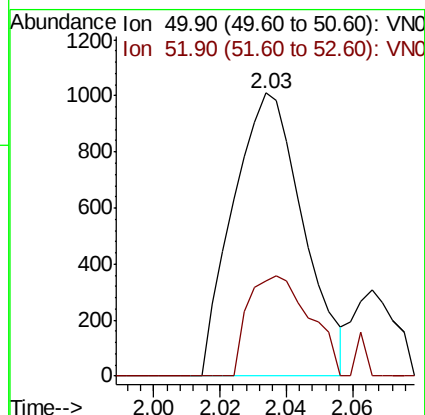
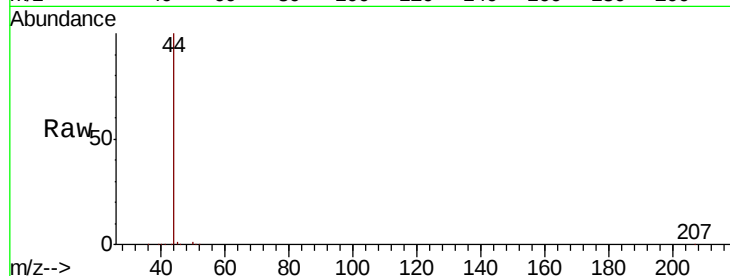
ClientSampled :

Tot Ion: 50 Resp: 1482

Ion Ratio Lower Upper

50 100

52 33.8 26.7 40.1



#4

Vinyl Chloride

Concen: 0.205 ug/l

RT: 2.16 min Scan# 121

Delta R.T. 0.01 min

Lab File: VN061560.D

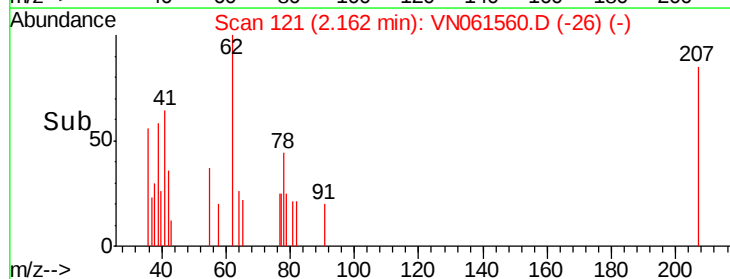
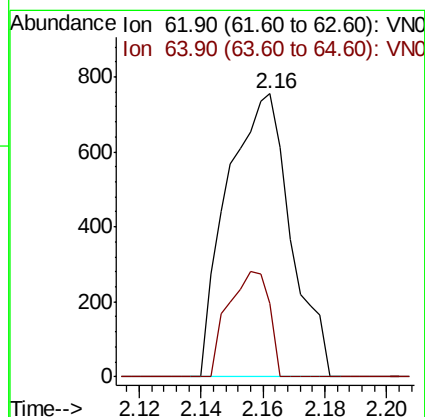
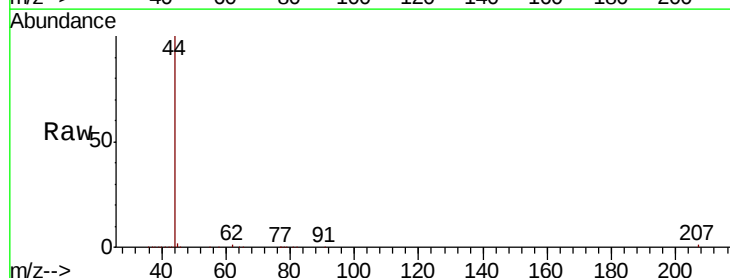
Acq: 29 May 2020 12:28

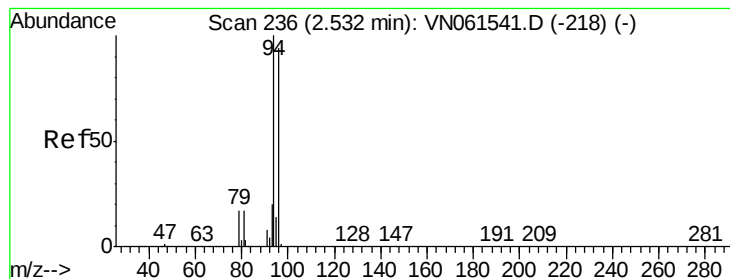
Tgt Ion: 62 Resp: 1078

Ion Ratio Lower Upper

62 100

64 25.8 26.2 39.2#





#5

Bromomethane

Concen: 0.586 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

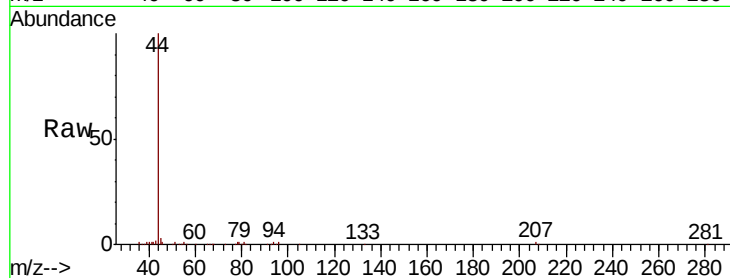
ClientSampled :

Tot Ion: 94 Resp: 1772

Ion Ratio Lower Upper

94 100

96 57.0 74.8 112.2#



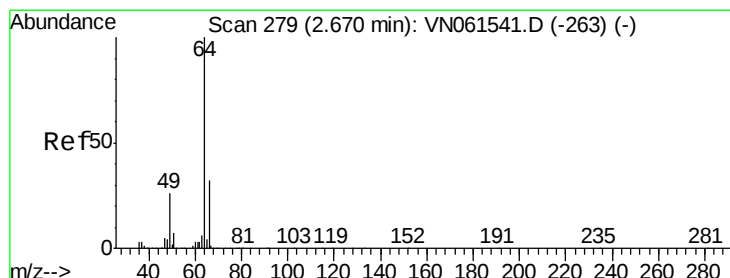
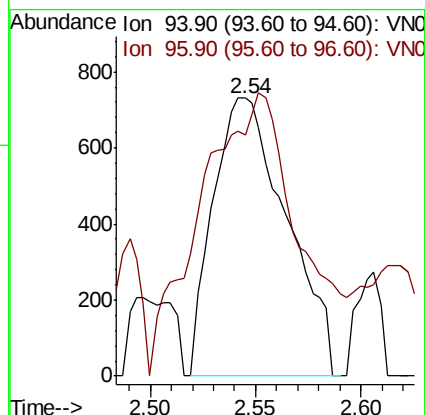
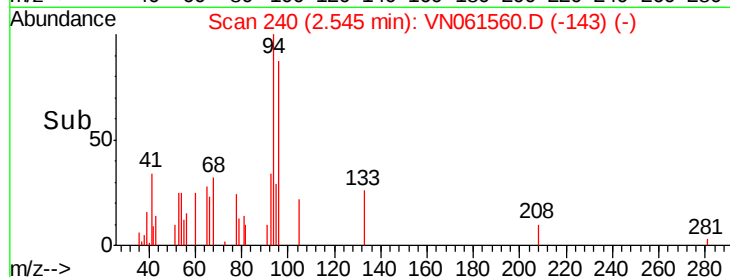
Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

2.55

2.60



#6

Chloroethane

Concen: 0.254 ug/l

RT: 2.68 min Scan# 281

Delta R.T. 0.01 min

Lab File: VN061560.D

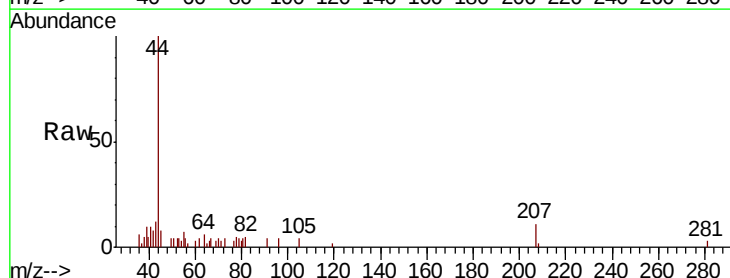
Acq: 29 May 2020 12:28

Tgt Ion: 64 Resp: 860

Ion Ratio Lower Upper

64 100

66 53.3 25.6 38.4#



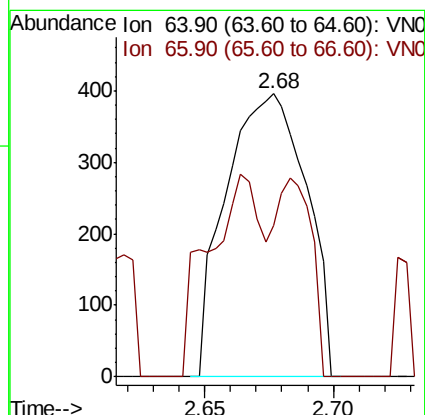
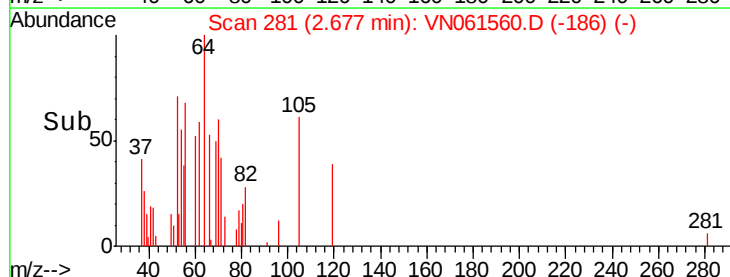
Abundance Ion 63.90 (63.60 to 64.60): VN0

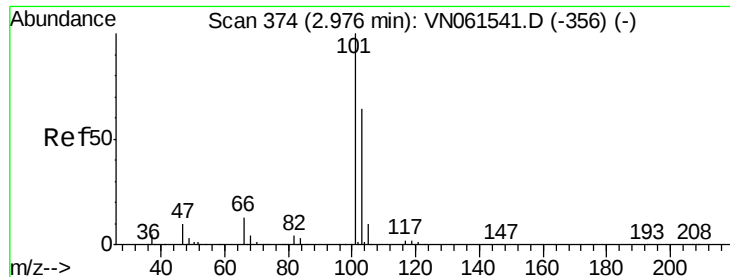
Ion 65.90 (65.60 to 66.60): VN0

2.68

2.65

2.70



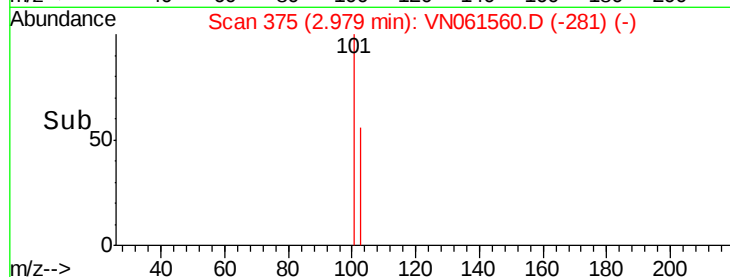
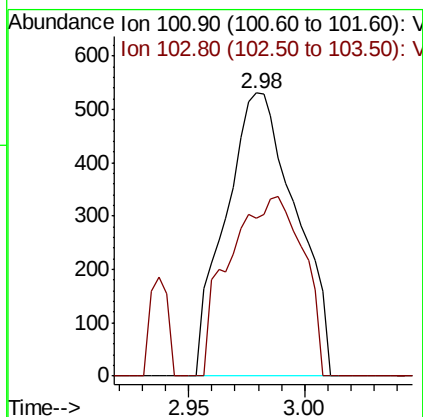
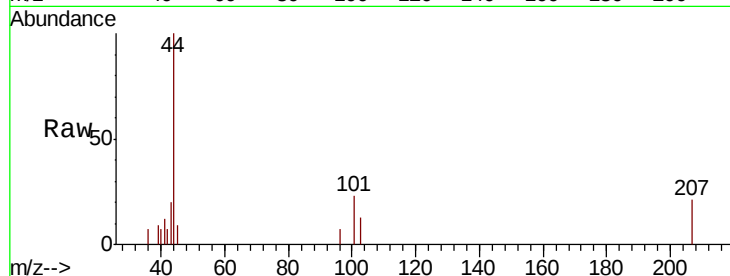


#7

Trichlorofluoromethane
 Concen: 0.165 ug/l
 RT: 2.98 min Scan# 375
 Delta R.T. 0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Instrument :
 MSVOA_N
 ClientSampled :

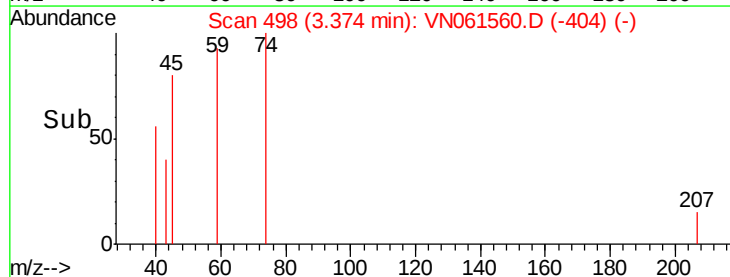
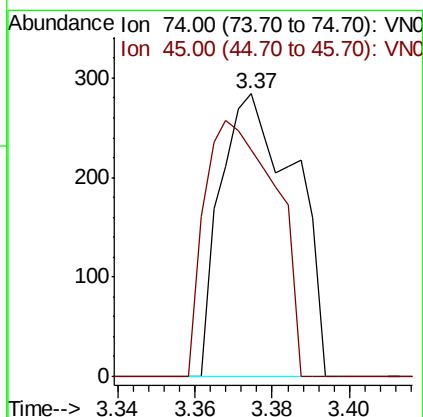
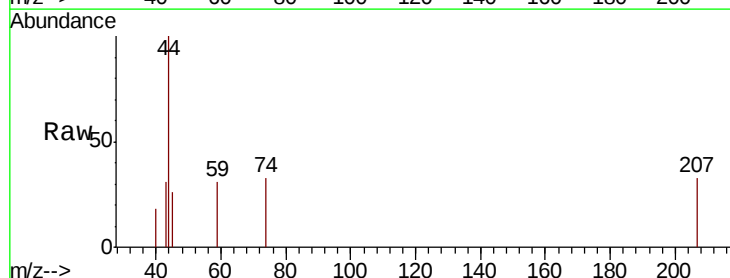
Tot Ion:101 Resp: 1118
 Ion Ratio Lower Upper
 101 100
 103 55.9 51.4 77.2



#8

Diethyl Ether
 Concen: 0.183 ug/l
 RT: 3.37 min Scan# 498
 Delta R.T. 0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion: 74 Resp: 380
 Ion Ratio Lower Upper
 74 100
 45 86.3 39.9 119.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.136 ug/l

RT: 3.71 min Scan# 601

Delta R.T. -0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

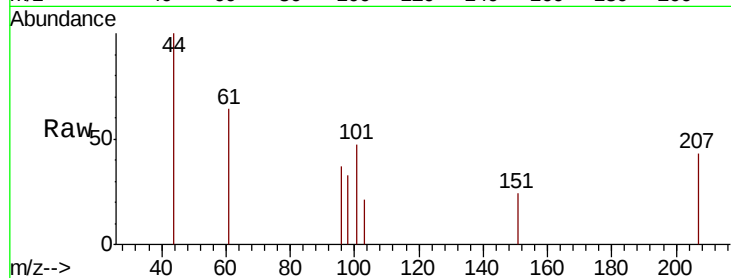
Tot Ion:101 Resp: 410

Ion Ratio Lower Upper

101 100

85 25.6 35.2 52.8#

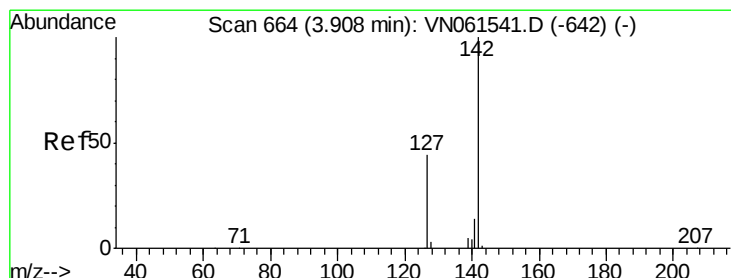
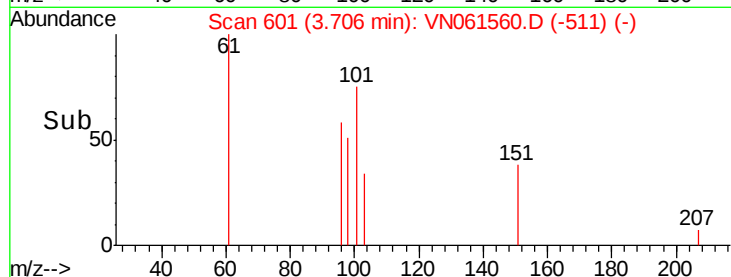
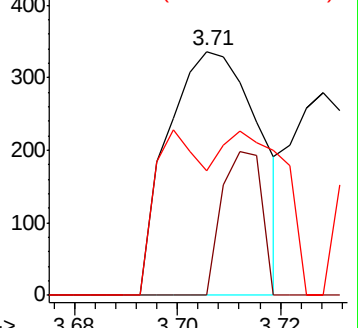
151 36.8 61.0 91.6#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.316 ug/l

RT: 3.91 min Scan# 666

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

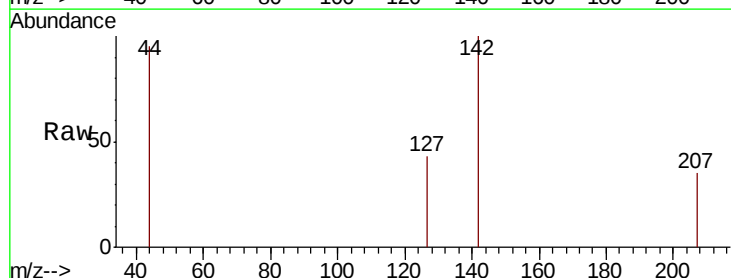
Tgt Ion:142 Resp: 1321

Ion Ratio Lower Upper

142 100

127 26.0 35.5 53.3#

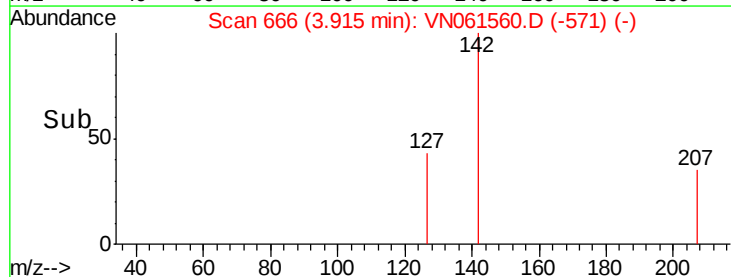
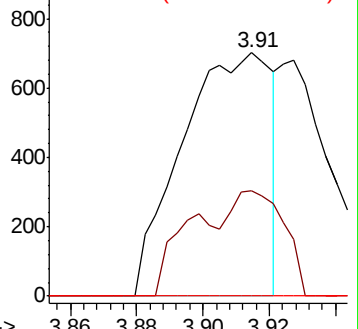
141 0.0 11.5 17.3#

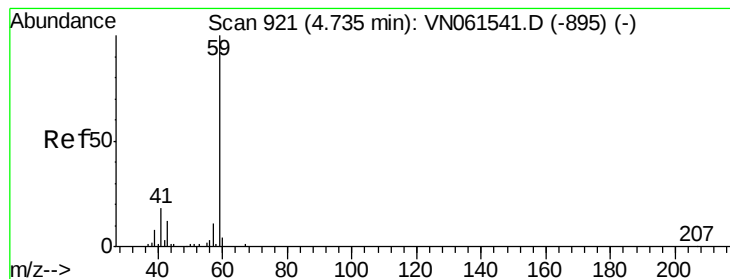


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



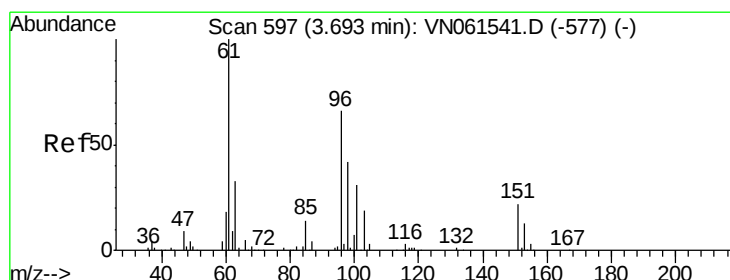
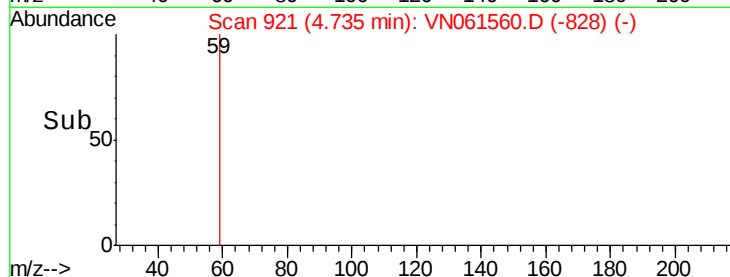
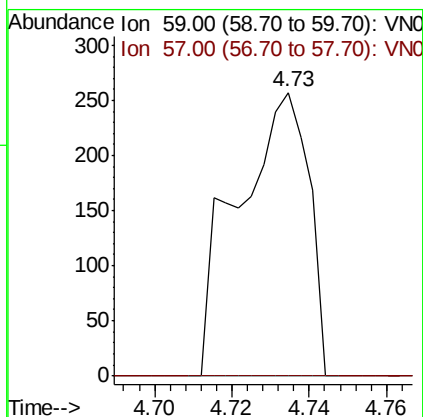
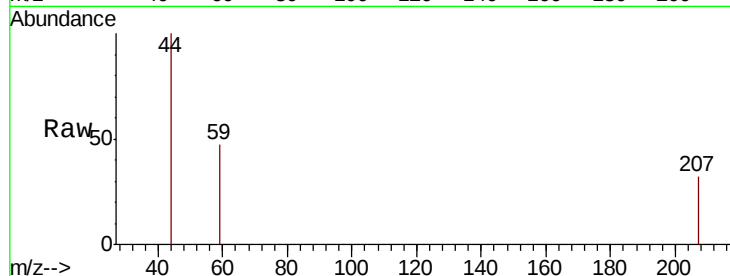


#11

Tert butyl alcohol
Concen: 0.659 ug/l
RT: 4.73 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :

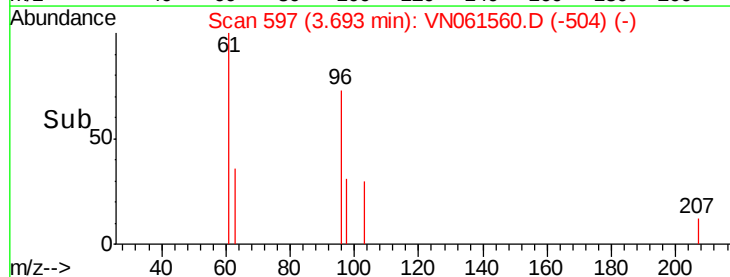
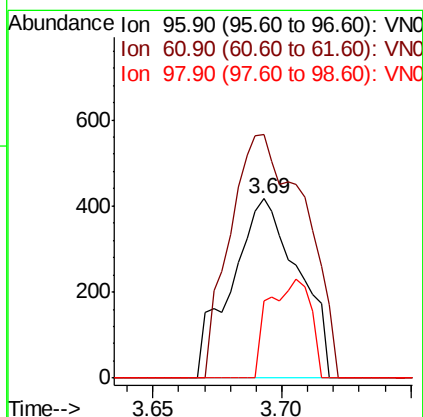
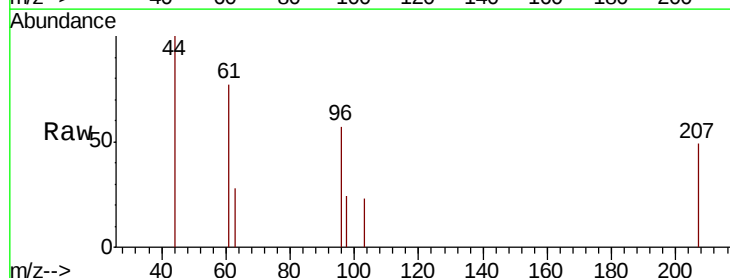
Tot Ion: 59 Resp: 329
Ion Ratio Lower Upper
59 100
57 0.0 8.4 12.6#



#12

1,1-Dichloroethene
Concen: 0.235 ug/l
RT: 3.69 min Scan# 597
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 96 Resp: 756
Ion Ratio Lower Upper
96 100
61 136.1 120.5 180.7
98 42.8 50.8 76.2#





#13

Acrolein

Concen: 0.157 ug/l

RT: 3.56 min Scan# 555

Delta R.T. -0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

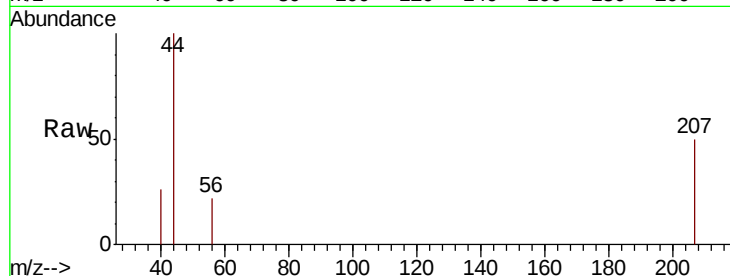
ClientSampleId :

Tot Ion: 56 Resp: 30

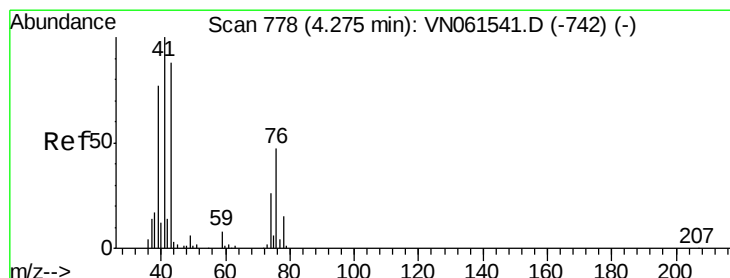
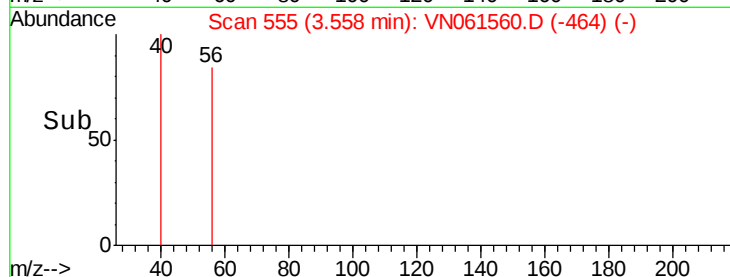
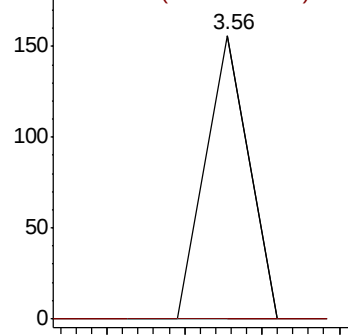
Ion Ratio Lower Upper

56 100

55 0.0 58.0 87.0#



Abundance Ion 56.00 (55.70 to 56.70): VN061541.D (-540) (-)



#14

Allyl chloride

Concen: 0.100 ug/l

RT: 4.27 min Scan# 777

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

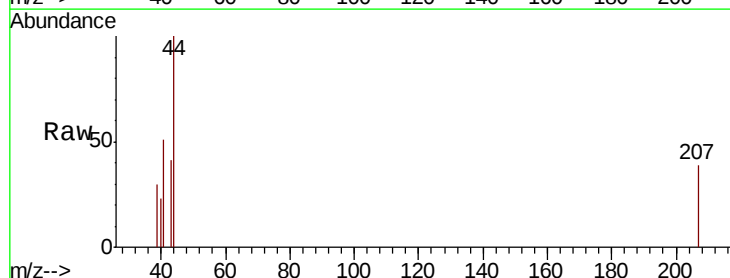
Tgt Ion: 41 Resp: 420

Ion Ratio Lower Upper

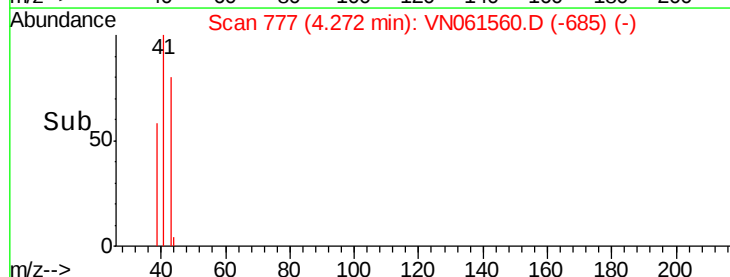
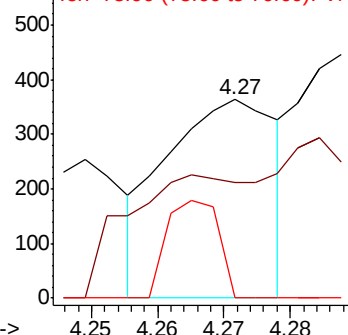
41 100

39 61.9 58.6 88.0

76 0.0 34.2 51.4#



Abundance Ion 41.00 (40.70 to 41.70): VN061541.D (-742) (-)





#15

Acrylonitrile

Concen: 0.889 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.03 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

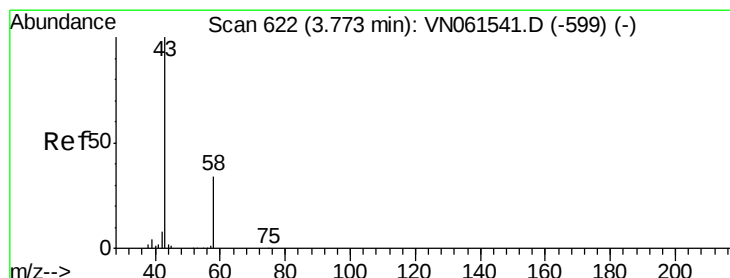
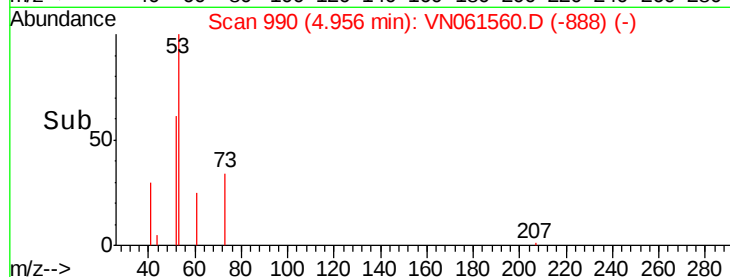
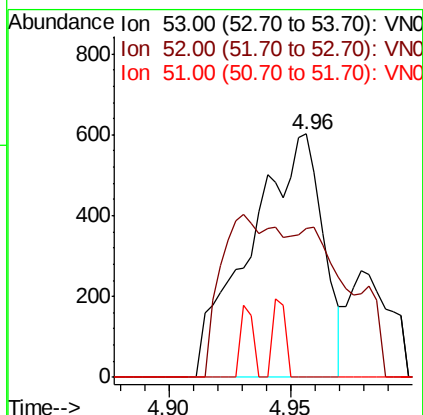
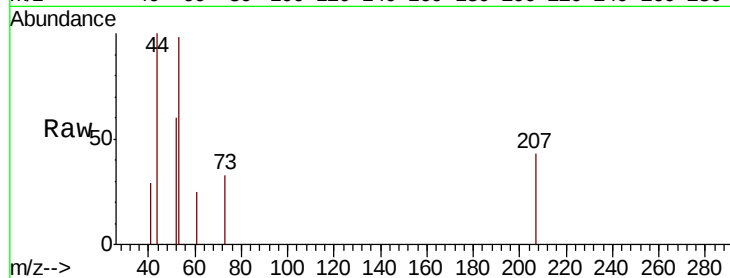
Tot Ion: 53 Resp: 1239

Ion Ratio Lower Upper

53 100

52 0.0 65.4 98.2#

51 5.8 29.0 43.6#



#16

Acetone

Concen: 2.307 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.01 min

Lab File: VN061560.D

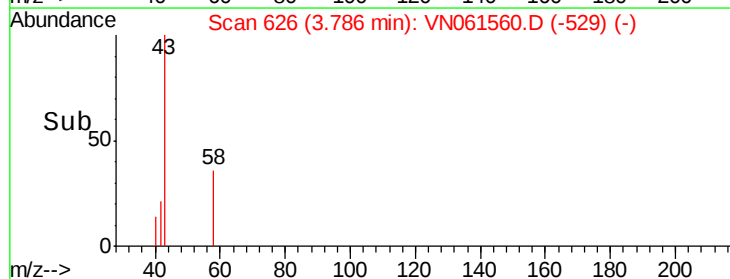
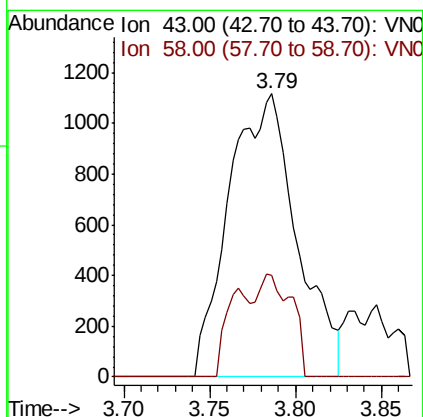
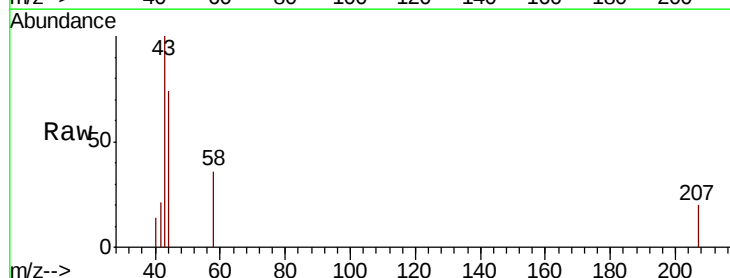
Acq: 29 May 2020 12:28

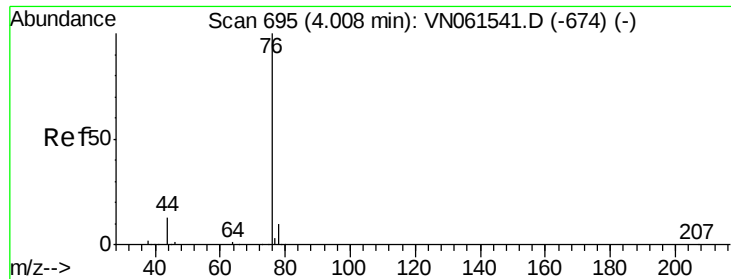
Tgt Ion: 43 Resp: 3064

Ion Ratio Lower Upper

43 100

58 36.0 27.2 40.8

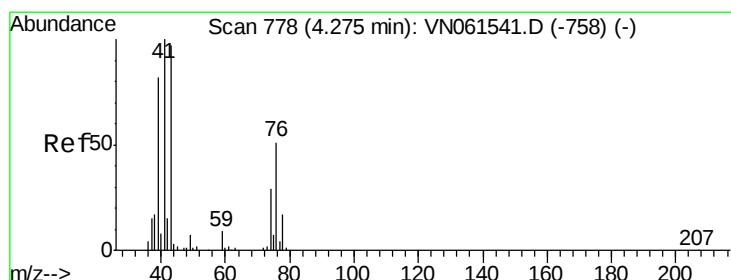
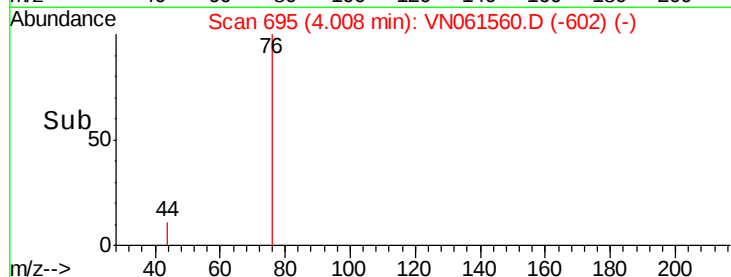
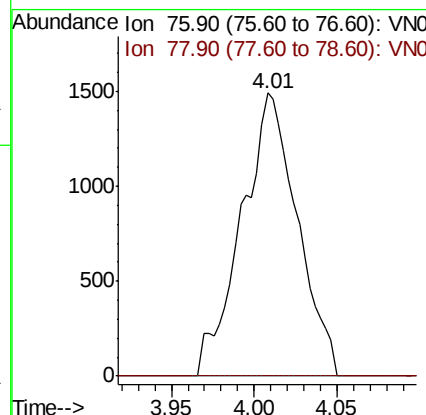
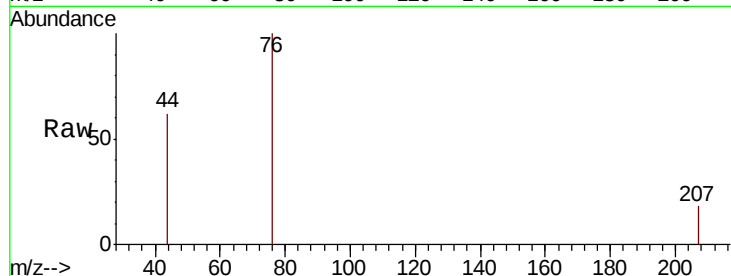




#17
Carbon Disulfide
Concen: 0.492 ug/l
RT: 4.01 min Scan# 695
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

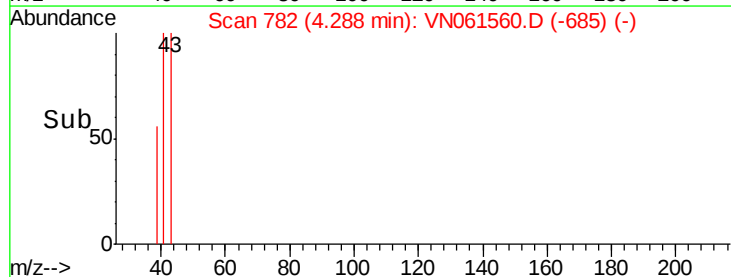
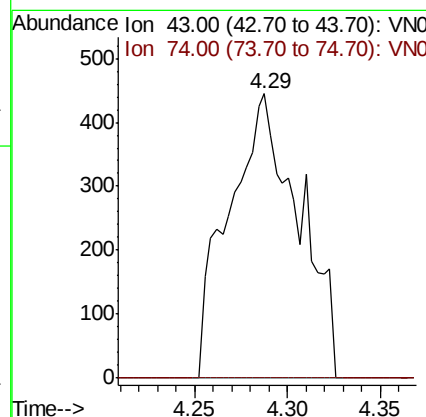
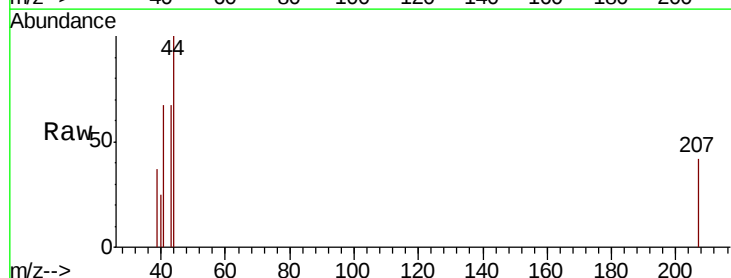
Instrument :
MSVOA_N
ClientSampled :

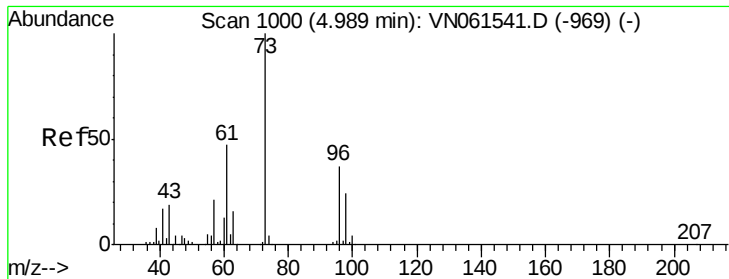
Tot Ion: 76 Resp: 3489
Ion Ratio Lower Upper
76 100
78 0.0 7.8 11.6#



#18
Methyl Acetate
Concen: 0.343 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 43 Resp: 1165
Ion Ratio Lower Upper
43 100
74 0.0 23.2 34.8#

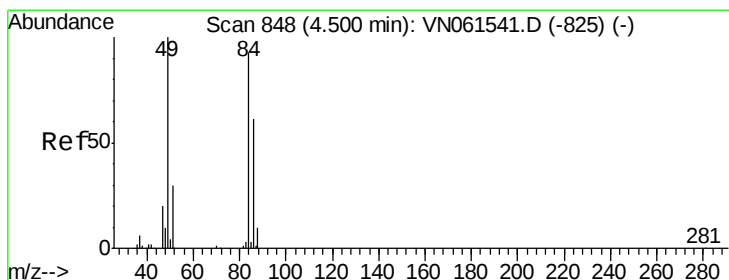
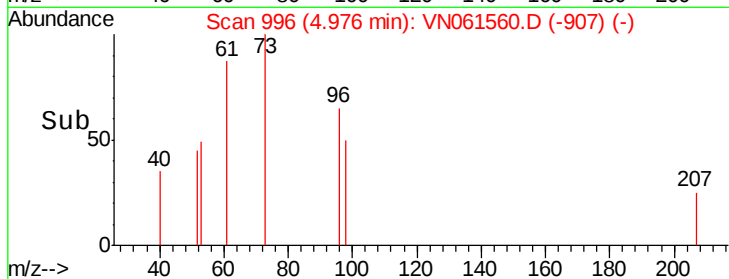
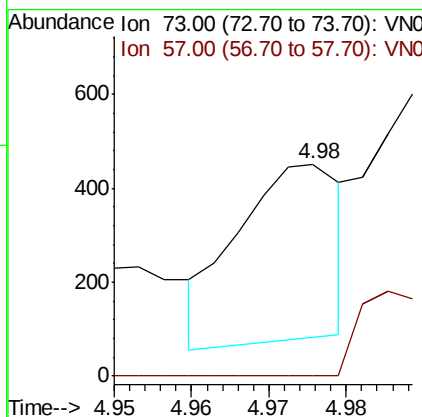
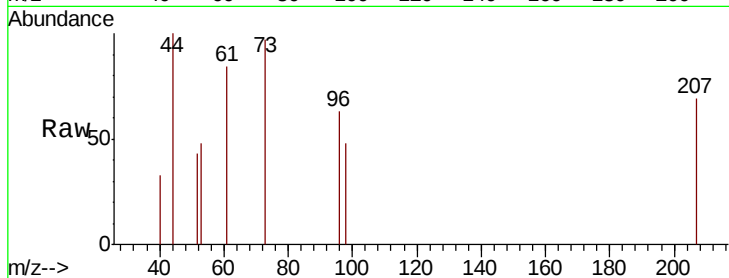




#19
Methvl tert-butvl Ether
Concen: 0.032 ug/l
RT: 4.98 min Scan# 996
Delta R.T. -0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

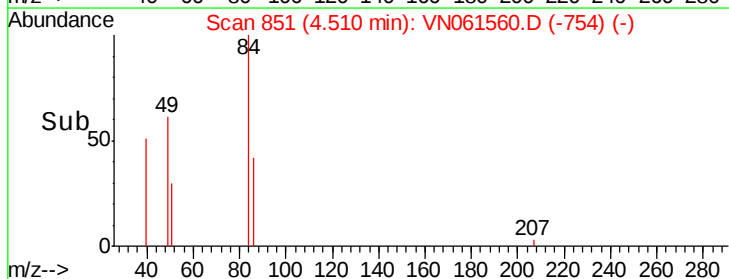
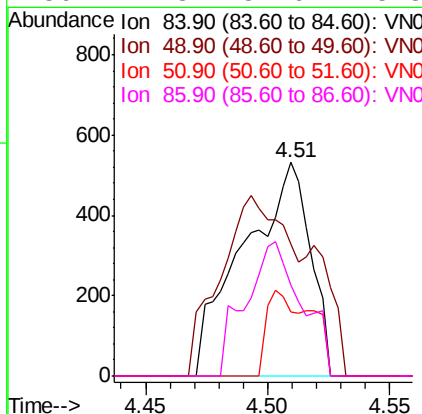
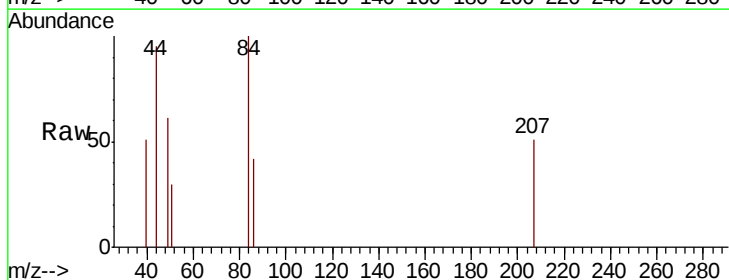
Instrument :
MSVOA_N
ClientSampled :

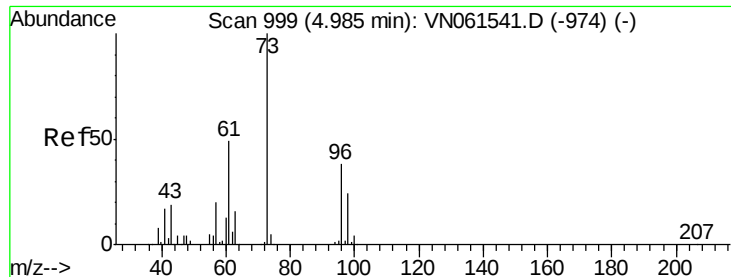
Tot Ion: 73 Resp: 349
Ion Ratio Lower Upper
73 100
57 0.0 16.4 24.6#



#20
Methylene Chloride
Concen: 0.220 ug/l
RT: 4.51 min Scan# 851
Delta R.T. 0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 84 Resp: 1013
Ion Ratio Lower Upper
84 100
49 61.5 85.8 128.8#
51 30.1 26.2 39.2
86 42.3 52.6 78.8#





#21

trans-1,2-Dichloroethene

Concen: 0.078 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

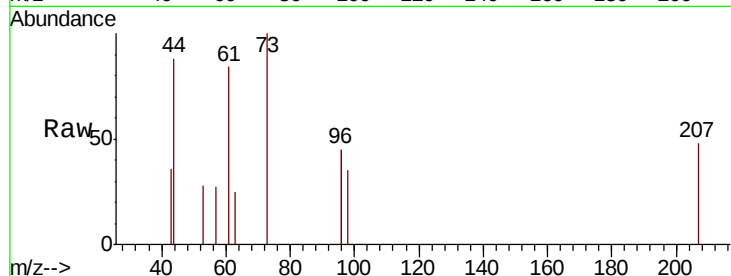
Tot Ion: 96 Resp: 283

Ion Ratio Lower Upper

96 100

61 36.5 101.4 152.0#

98 61.0 50.6 76.0



Abundance Ion 95.90 (95.60 to 96.60): VN061541.D (-974) (-)

Ion 60.90 (60.60 to 61.60): VN061541.D (-974) (-)

Ion 97.90 (97.60 to 98.60): VN061541.D (-974) (-)

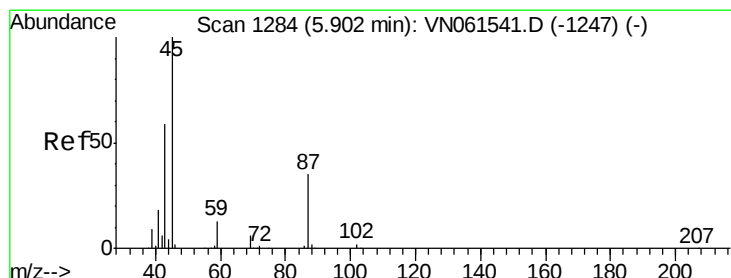
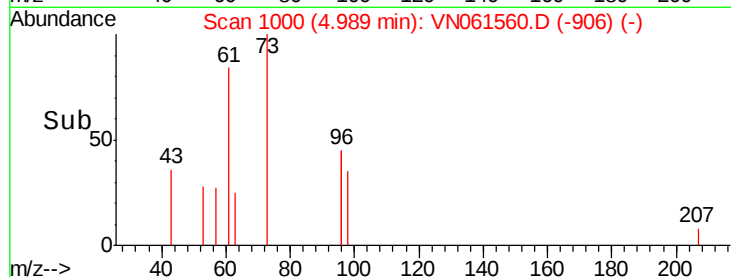
4.99

4.98

4.99

5.00

Time-->



#22

Diisopropyl ether

Concen: 0.189 ug/l

RT: 5.90 min Scan# 1285

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Tgt Ion: 45 Resp: 1756

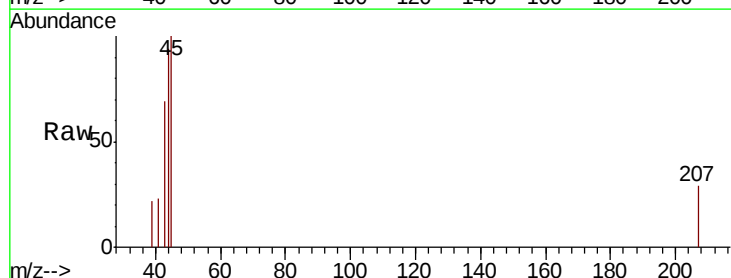
Ion Ratio Lower Upper

45 100

43 69.0 47.9 71.9

87 0.0 28.4 42.6#

59 0.0 10.5 15.7#



Abundance Ion 45.00 (44.70 to 45.70): VN061541.D (-1247) (-)

Ion 43.00 (42.70 to 43.70): VN061541.D (-1247) (-)

Ion 87.00 (86.70 to 87.70): VN061541.D (-1247) (-)

Ion 59.00 (58.70 to 59.70): VN061541.D (-1247) (-)

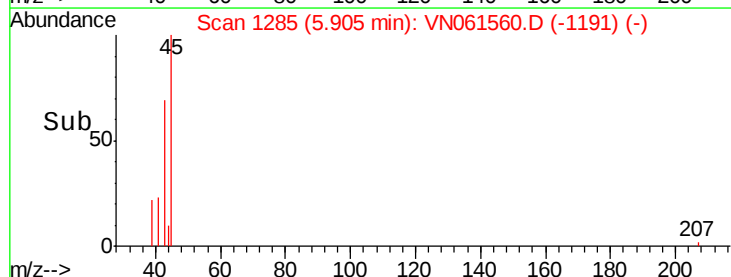
5.90

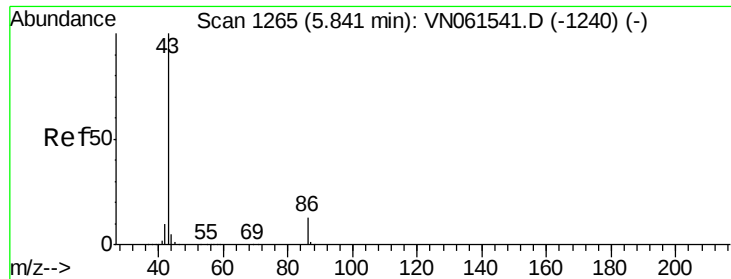
5.85

5.90

5.95

Time-->





#23

Vinyl Acetate

Concen: 0.775 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

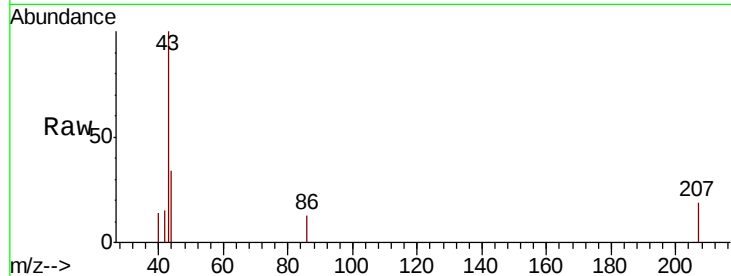
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 5733

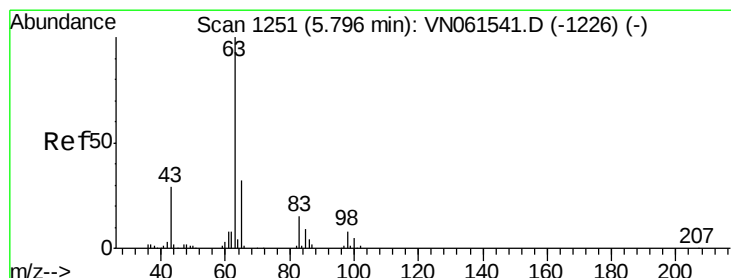
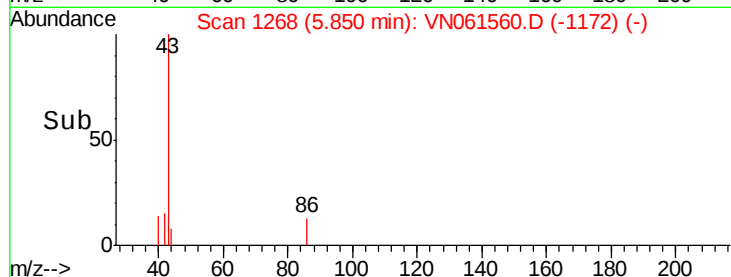
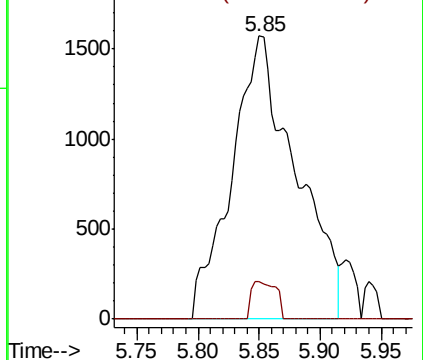
Ion Ratio Lower Upper

43 100

86 13.4 10.6 16.0



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



#24

1,1-Dichloroethane

Concen: 0.201 ug/l

RT: 5.80 min Scan# 1251

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

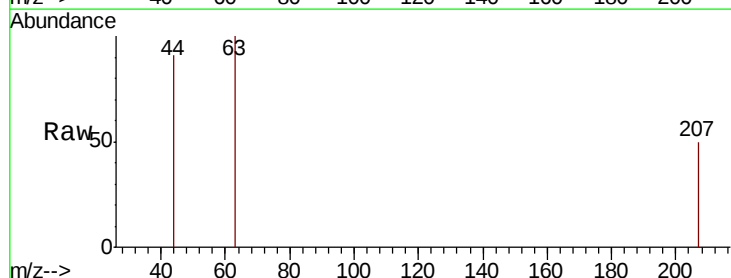
Tgt Ion: 63 Resp: 1182

Ion Ratio Lower Upper

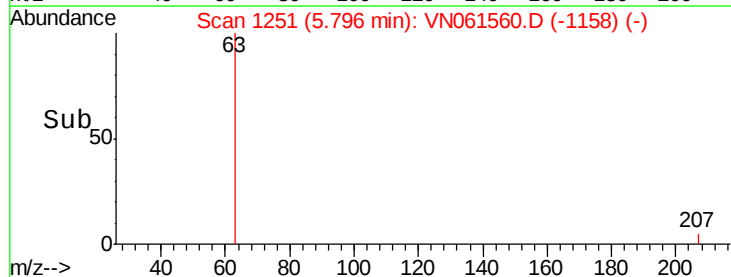
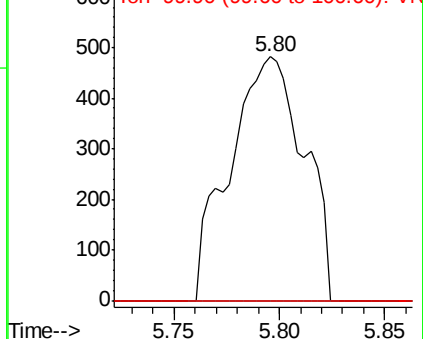
63 100

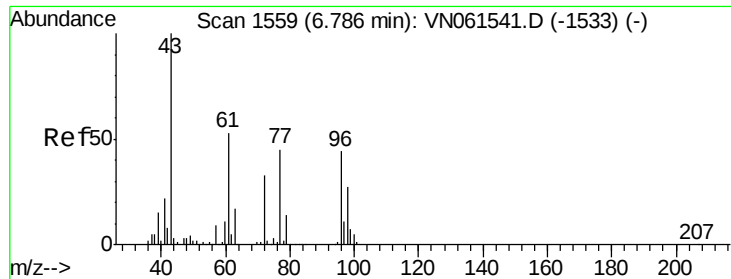
98 0.0 3.8 11.4#

100 0.0 2.5 7.6#



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

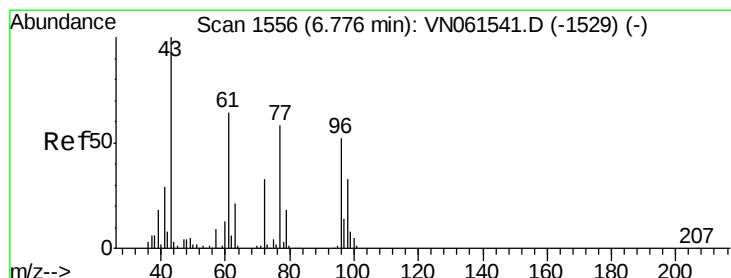
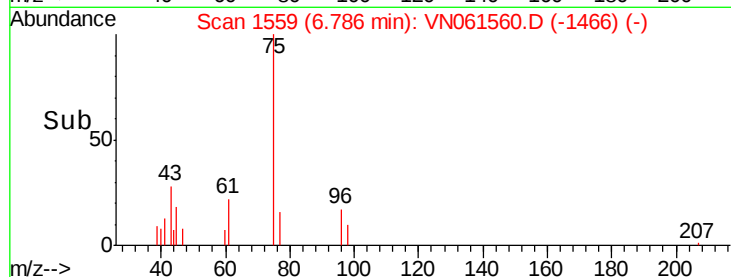
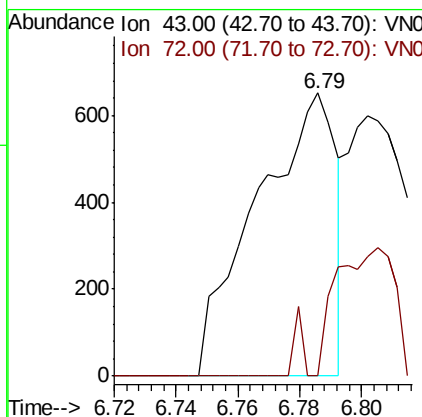
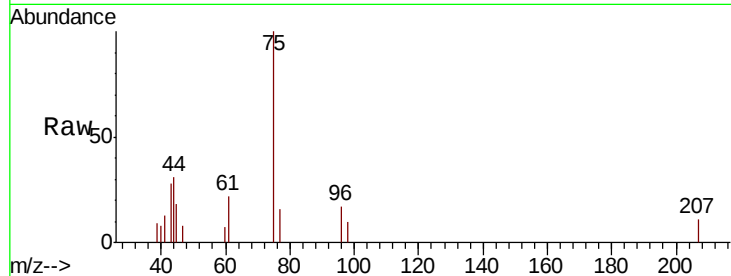




#25
 2-Butanone
 Concen: 0.650 ug/l
 RT: 6.79 min Scan# 1559
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

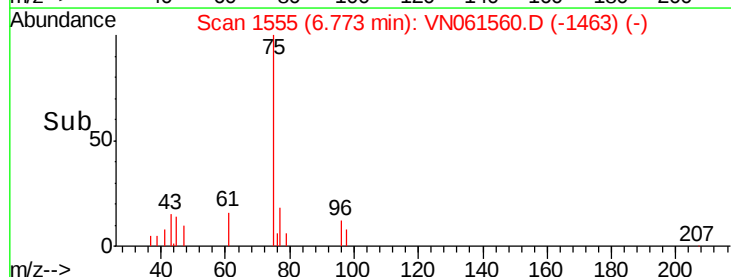
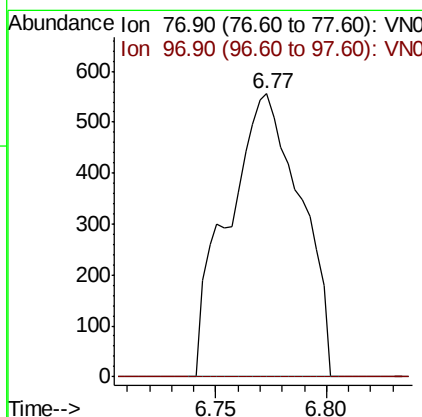
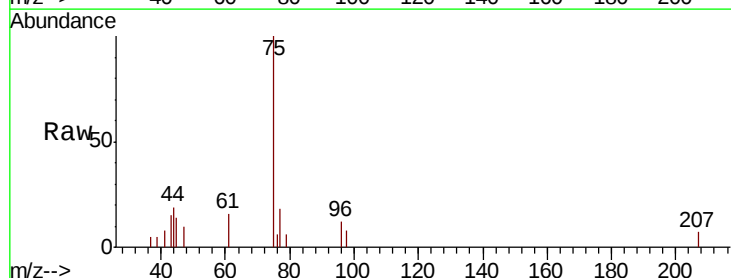
Instrument :
 MSVOA_N
 ClientSampled :

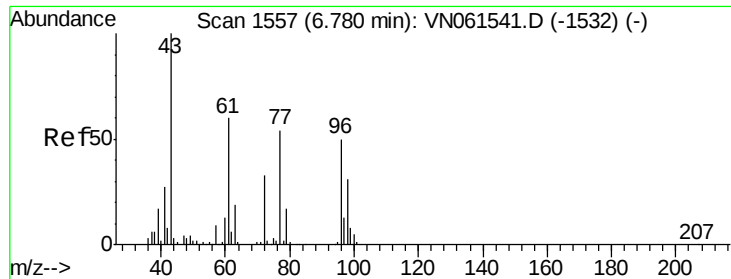
Tot Ion: 43 Resp: 1156
 Ion Ratio Lower Upper
 43 100
 72 0.0 26.0 39.0#



#26
 2,2-Dichloropropane
 Concen: 0.236 ug/l
 RT: 6.77 min Scan# 1555
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion: 77 Resp: 1269
 Ion Ratio Lower Upper
 77 100
 97 0.0 12.0 36.0#





#27

cis-1,2-Dichloroethene

Concen: 0.258 ug/l

RT: 6.79 min Scan# 1559

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :

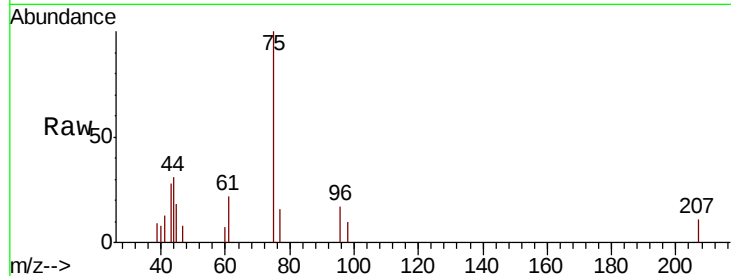
Tot Ion: 96 Resp: 1059

Ion Ratio Lower Upper

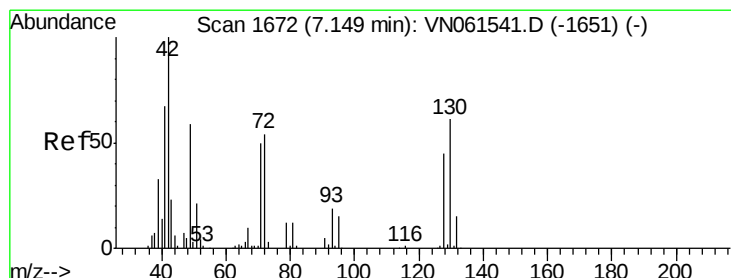
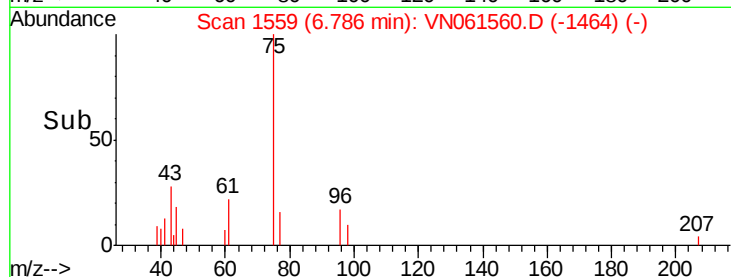
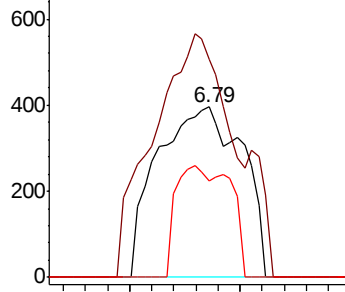
96 100

61 125.1 0.0 252.2

98 25.7 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.131 ug/l

RT: 7.15 min Scan# 1671

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

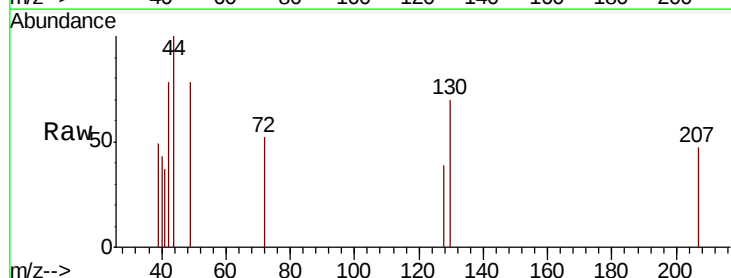
Tgt Ion: 49 Resp: 333

Ion Ratio Lower Upper

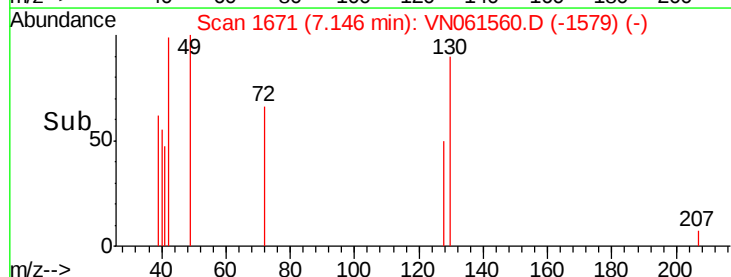
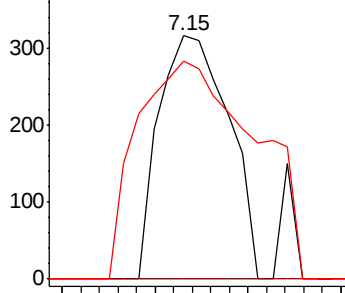
49 100

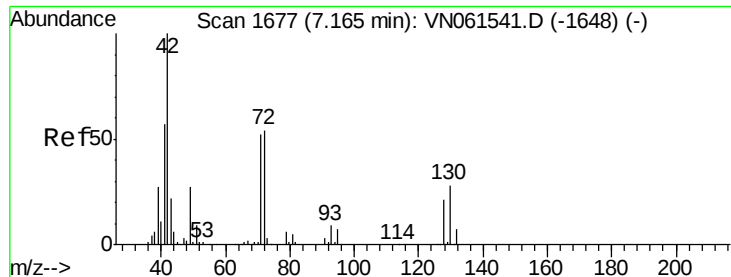
129 0.0 0.0 4.8

130 150.8 78.8 118.2#



Abundance Ion 48.90 (48.60 to 49.60): VN0
Ion 128.80 (128.50 to 129.50): V
Ion 129.80 (129.50 to 130.50): V

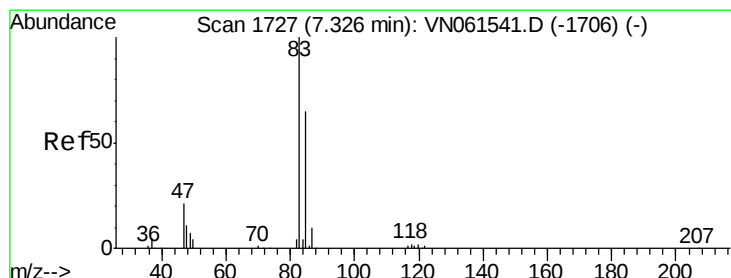
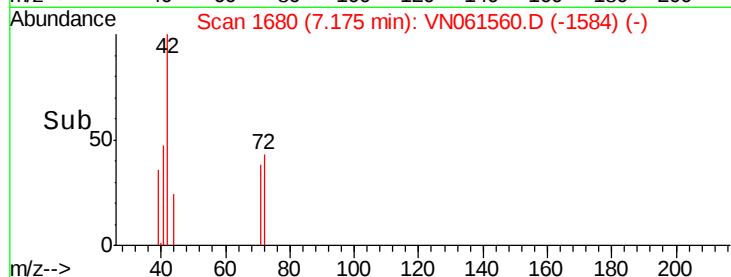
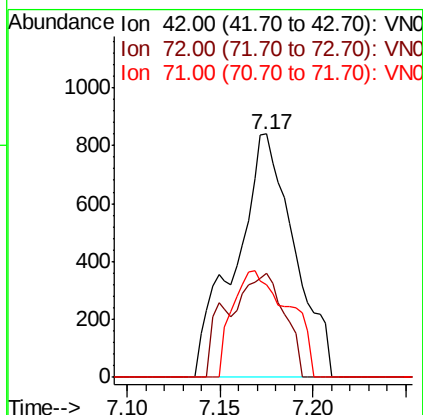
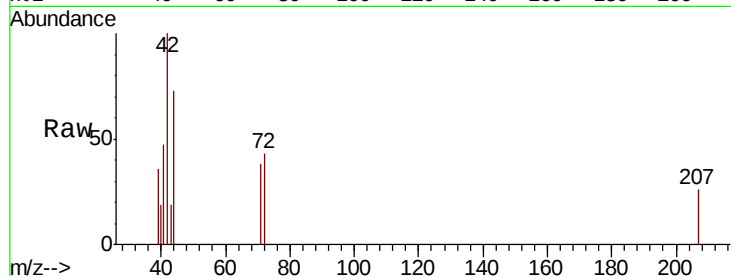




#29
Tetrahydrofuran
Concen: 1.584 ug/l
RT: 7.17 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

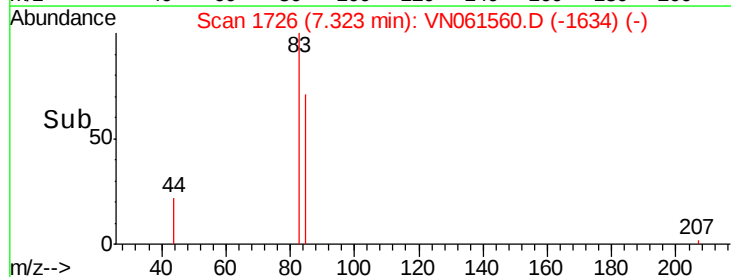
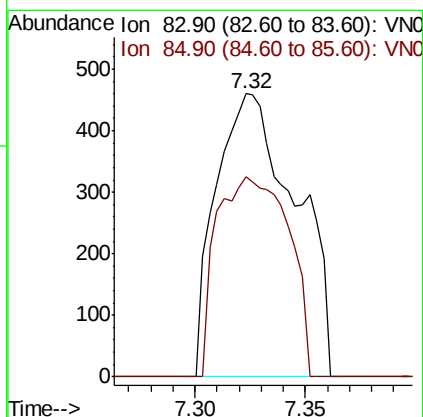
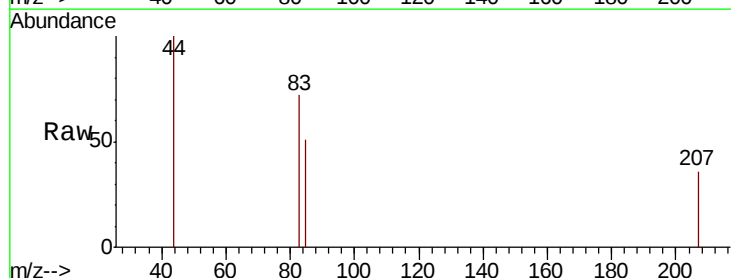
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 1859
Ion Ratio Lower Upper
42 100
72 31.3 43.6 65.4#
71 42.0 41.2 61.8



#30
Chloroform
Concen: 0.176 ug/l
RT: 7.32 min Scan# 1726
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 83 Resp: 1148
Ion Ratio Lower Upper
83 100
85 70.9 51.7 77.5





#31

Cyclohexane

Concen: 1.307 ug/l

RT: 7.62 min Scan# 1819

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampled :

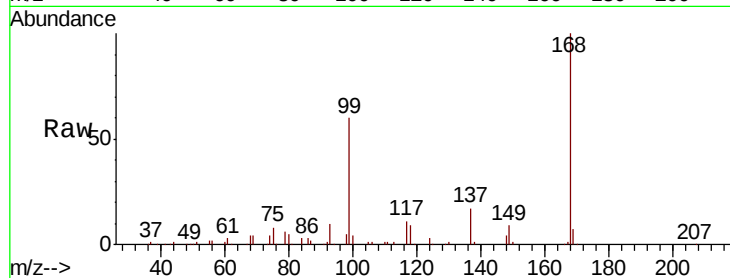
Tot Ion: 56 Resp: 6914

Ion Ratio Lower Upper

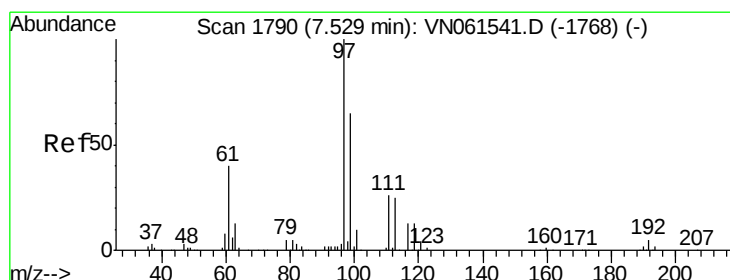
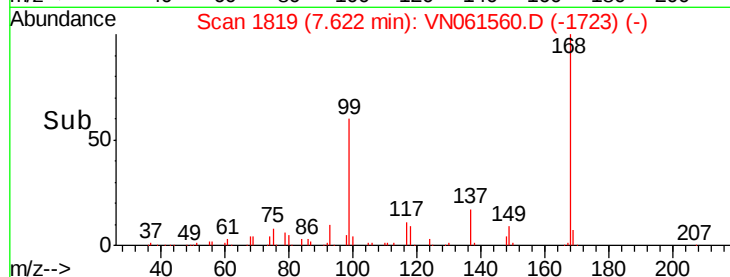
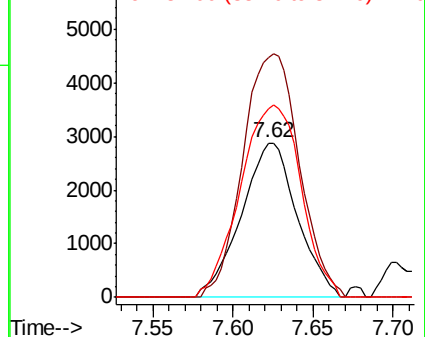
56 100

69 155.1 27.8 41.8#

84 122.0 79.9 119.9#



Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 0.073 ug/l

RT: 7.52 min Scan# 1786

Delta R.T. -0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

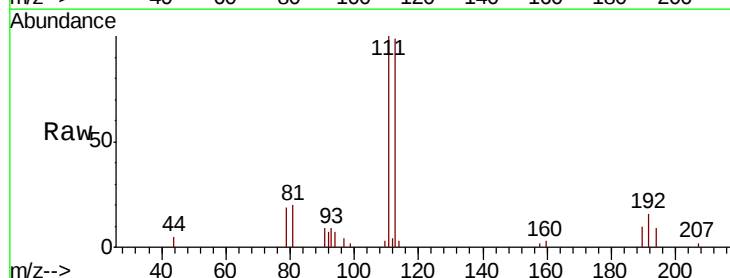
Tgt Ion: 97 Resp: 434

Ion Ratio Lower Upper

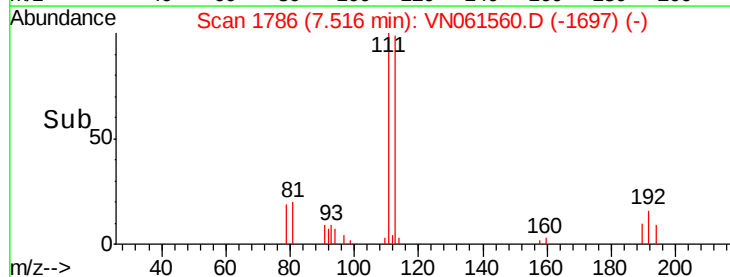
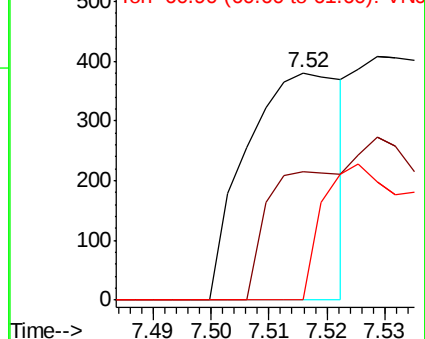
97 100

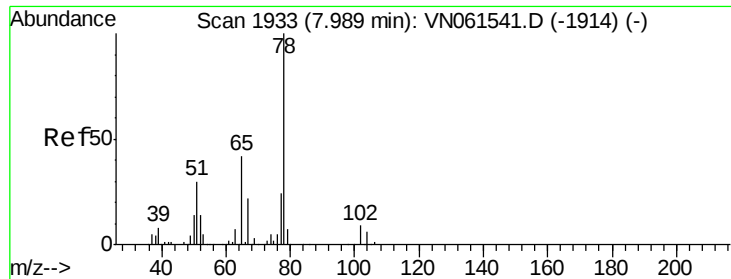
99 0.0 51.4 77.0#

61 59.4 31.4 47.0#



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: 51.984 ug/l

RT: 7.99 min Scan# 1933

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

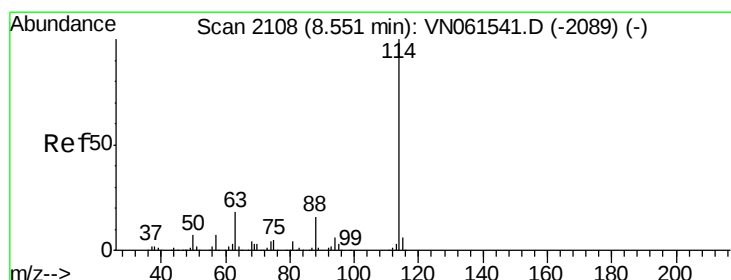
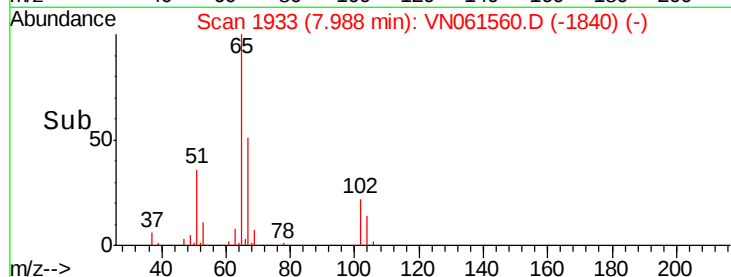
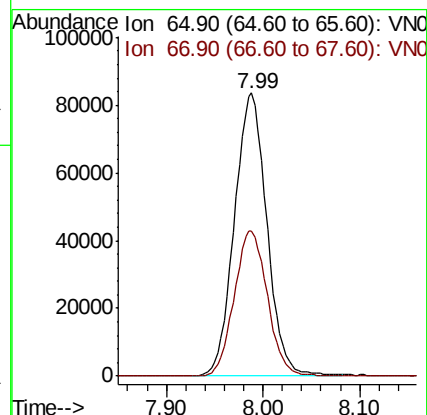
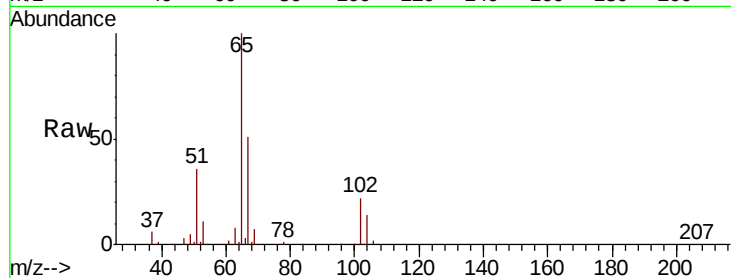
ClientSampleId :

Tot Ion: 65 Resp: 195191

Ion Ratio Lower Upper

65 100

67 52.4 0.0 104.8



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.55 min Scan# 2108

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

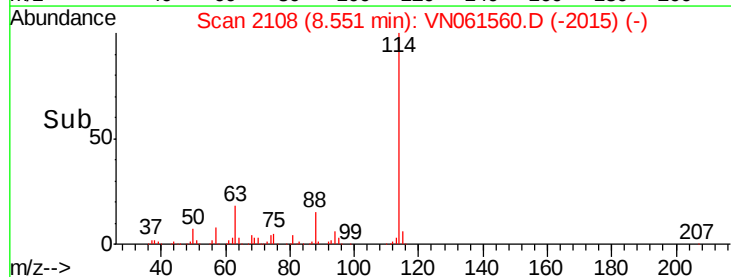
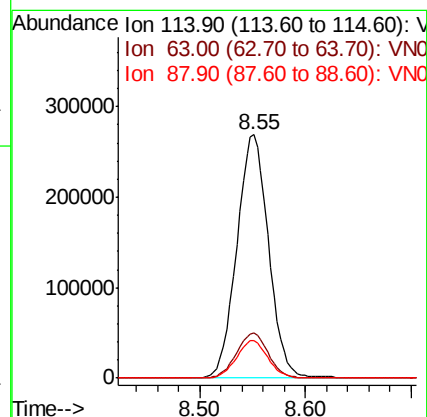
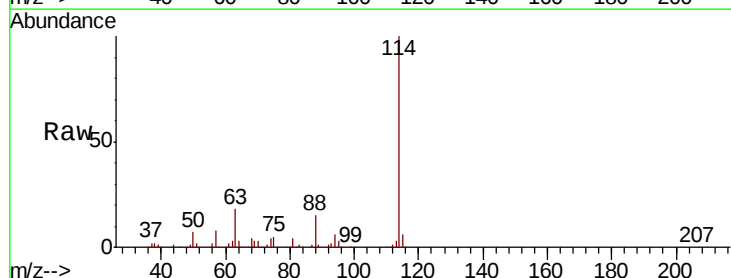
Tgt Ion: 114 Resp: 560815

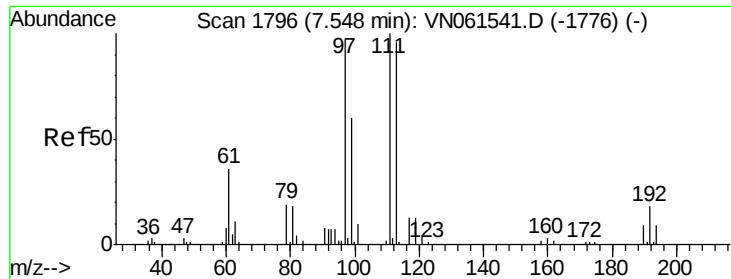
Ion Ratio Lower Upper

114 100

63 18.5 0.0 35.8

88 15.2 0.0 31.0

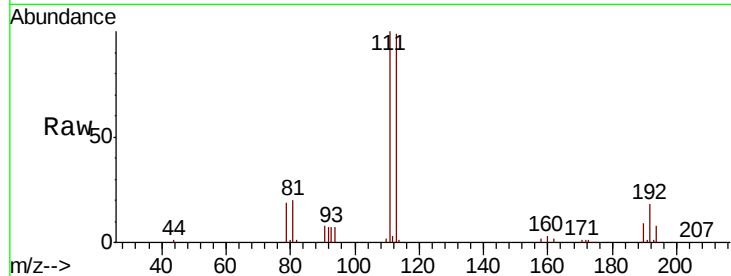




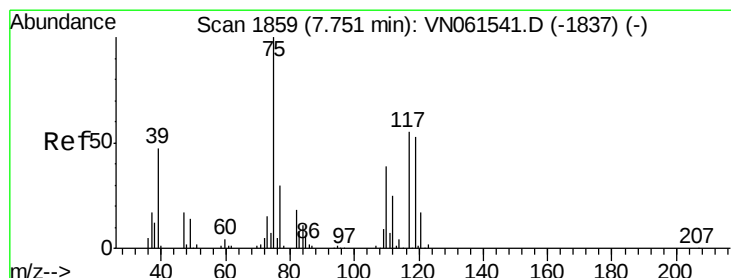
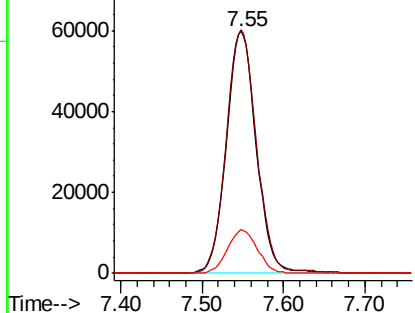
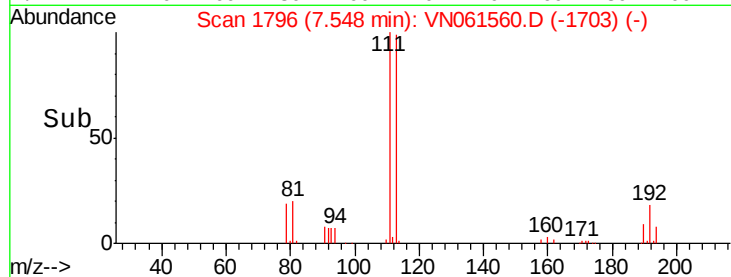
#35
 Dibromofluoromethane
 Concen: 54.015 ug/l
 RT: 7.55 min Scan# 1796
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	101.6	83.4	125.0
192	17.9	15.4	23.2

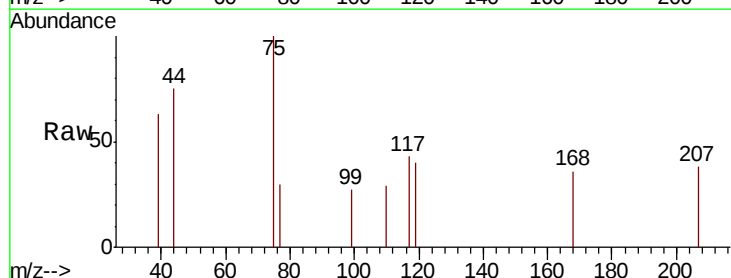


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

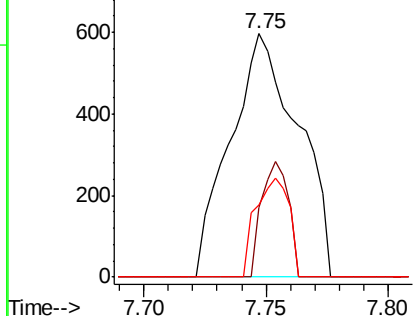
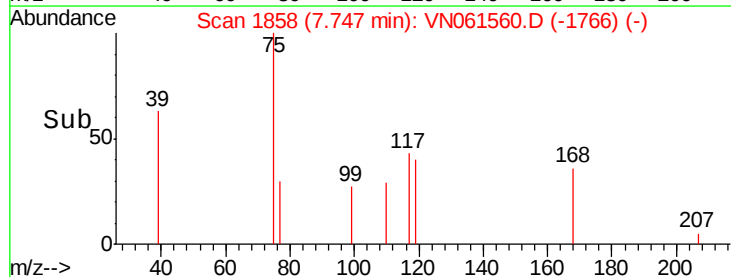


#36
 1,1-Dichloropropene
 Concen: 0.231 ug/l
 RT: 7.75 min Scan# 1858
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
75	100		
110	18.7	19.5	58.5#
77	19.9	24.7	37.1#



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

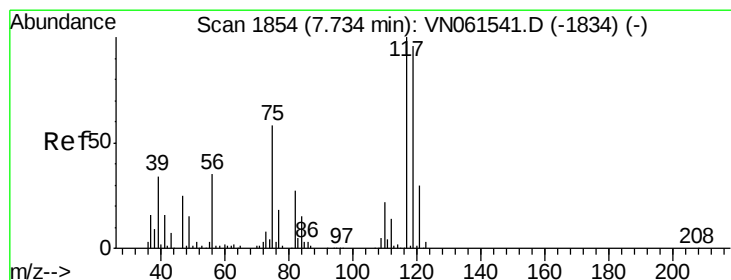
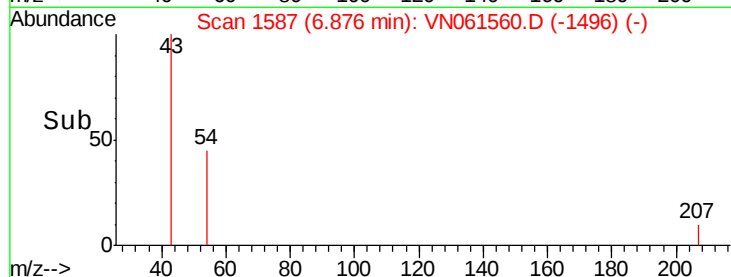
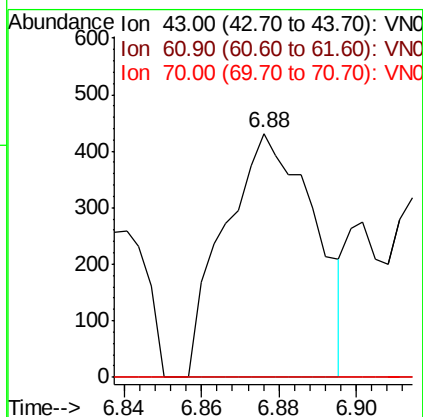
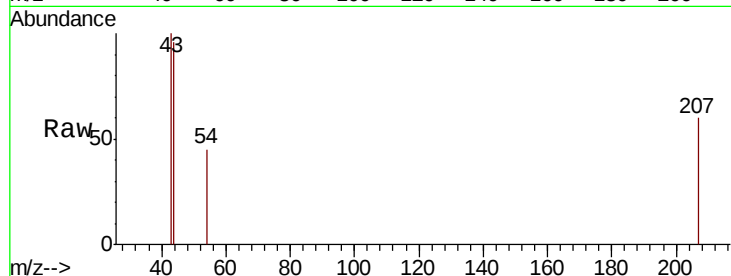




#37
Ethyl Acetate
Concen: 0.174 ug/l
RT: 6.88 min Scan# 1587
Delta R.T. -0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

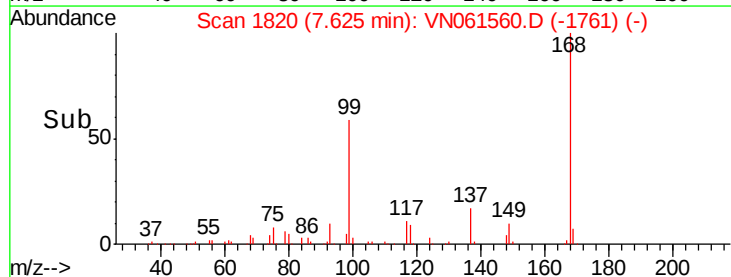
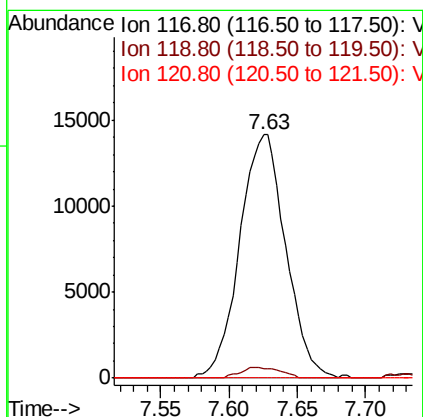
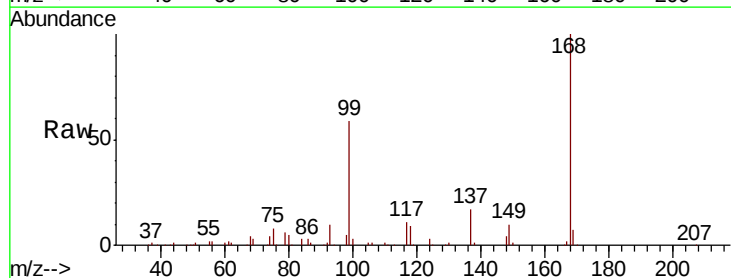
Instrument :
MSVOA_N
ClientSampleId :

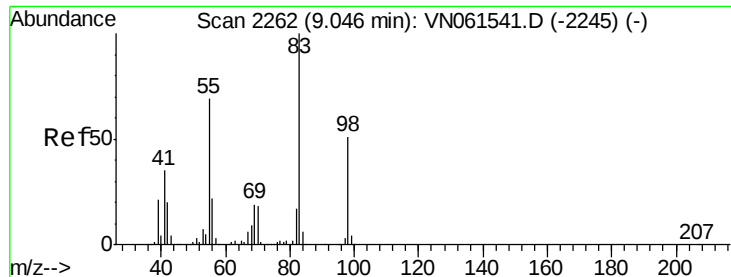
Tot Ion: 43 Resp: 696
Ion Ratio Lower Upper
43 100
61 0.0 12.2 18.4#
70 0.0 9.4 14.2#



#38
Carbon Tetrachloride
Concen: 6.909 ug/l
RT: 7.63 min Scan# 1820
Delta R.T. -0.11 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 117 Resp: 33085
Ion Ratio Lower Upper
117 100
119 3.9 76.5 114.7#
121 0.0 24.1 36.1#

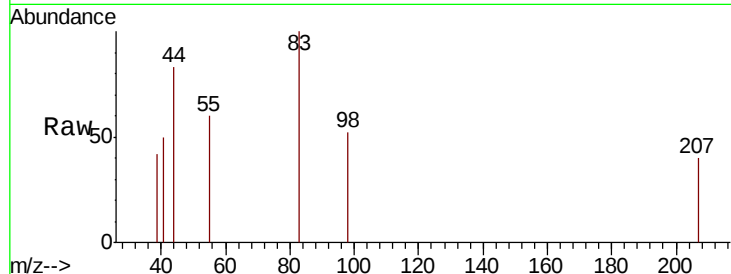




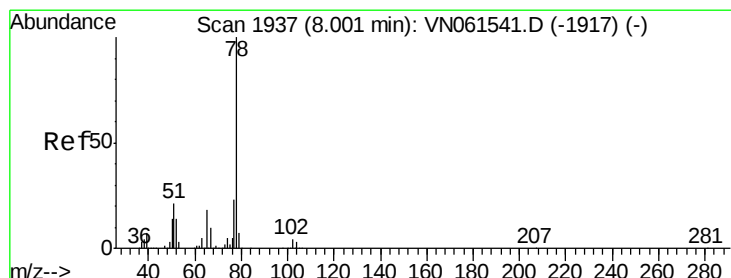
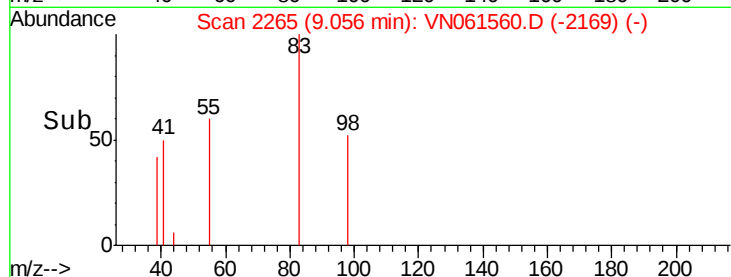
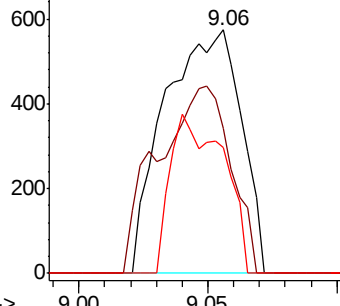
#39
Methvlcvclohexane
Concen: 0.194 ug/l
RT: 9.06 min Scan# 2265
Delta R.T. 0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 83 Resp: 1189
Ion Ratio Lower Upper
83 100
55 59.6 54.9 82.3
98 51.6 41.0 61.4

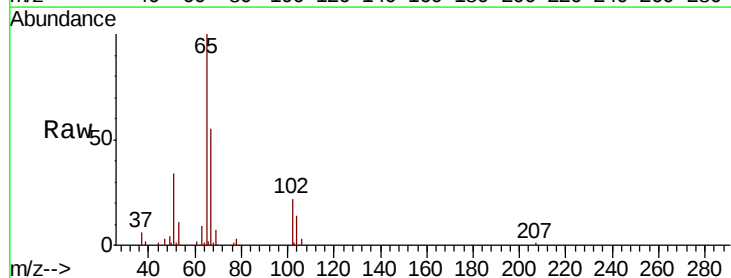


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

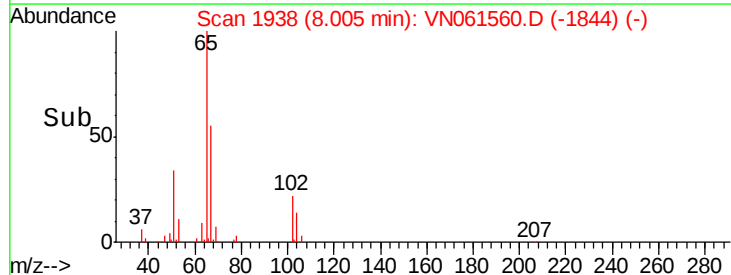
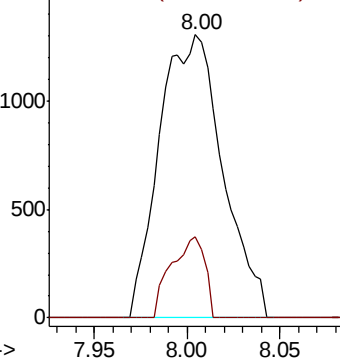


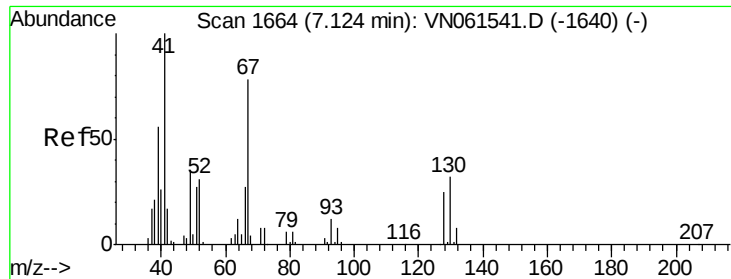
#40
Benzene
Concen: 0.203 ug/l
RT: 8.00 min Scan# 1938
Delta R.T. 0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 78 Resp: 3104
Ion Ratio Lower Upper
78 100
77 28.5 18.6 28.0#



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

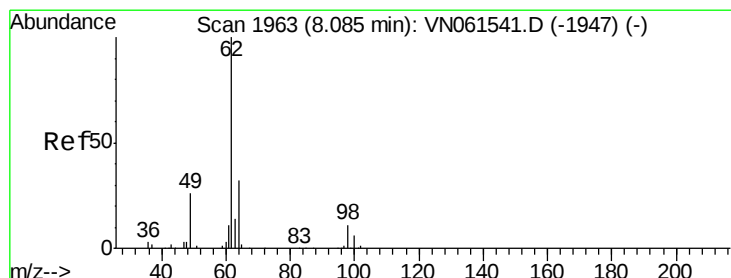
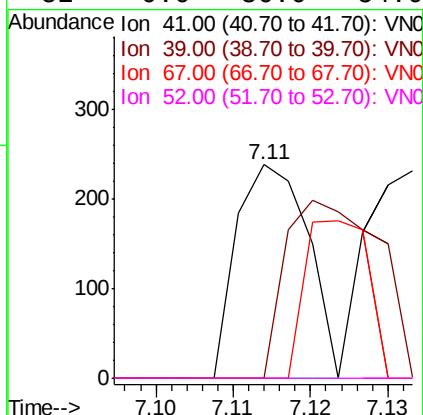
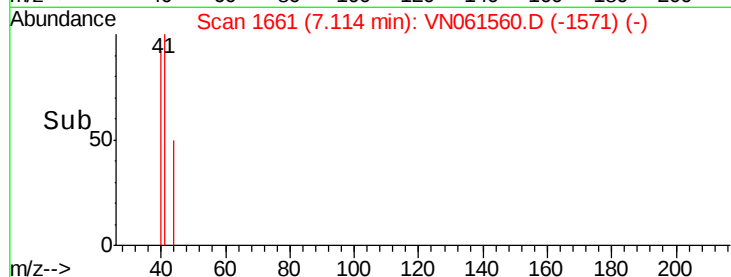
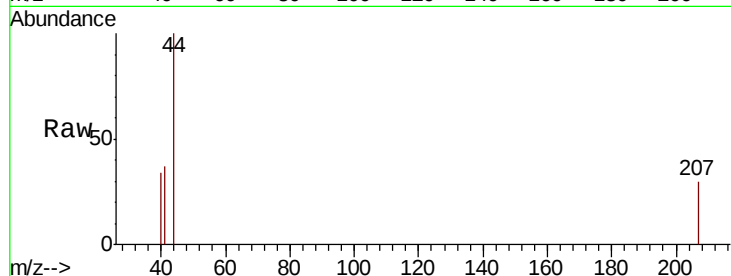




#41
Methacrylonitrile
Concen: 0.084 ug/l
RT: 7.11 min Scan# 1661
Delta R.T. -0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

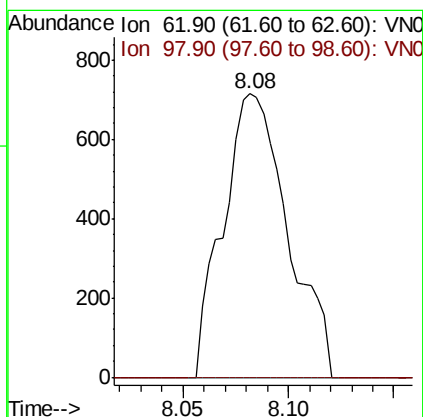
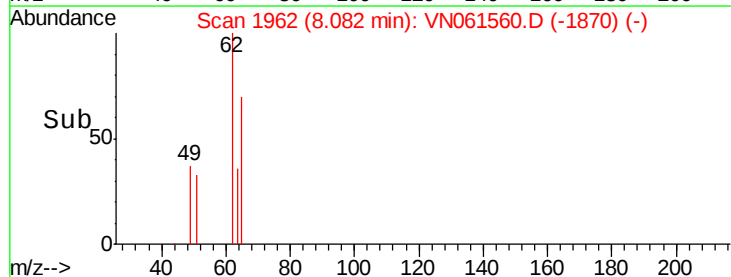
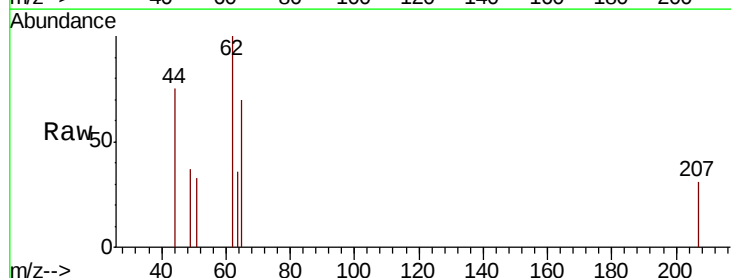
Instrument :
MSVOA_N
ClientSampled :

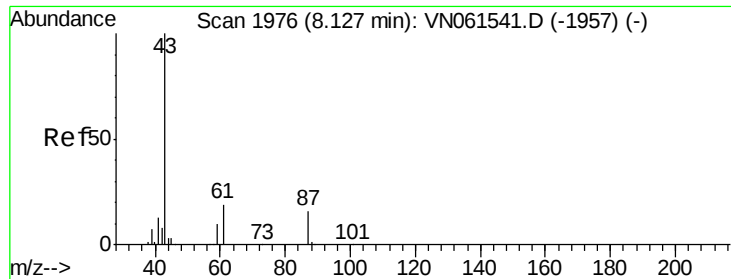
Tot Ion: 41 Resp: 153
Ion Ratio Lower Upper
41 100
39 109.2 53.8 80.6#
67 64.7 91.1 136.7#
52 0.0 36.0 54.0#



#42
1,2-Dichloroethane
Concen: 0.297 ug/l
RT: 8.08 min Scan# 1962
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 62 Resp: 1522
Ion Ratio Lower Upper
62 100
98 0.0 0.0 21.4





#43

Isopropyl Acetate

Concen: 0.165 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

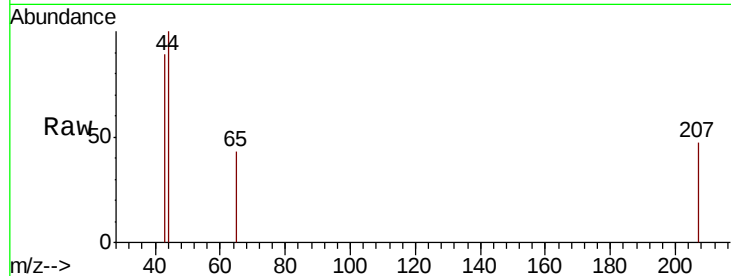
Tot Ion: 43 Resp: 1186

Ion Ratio Lower Upper

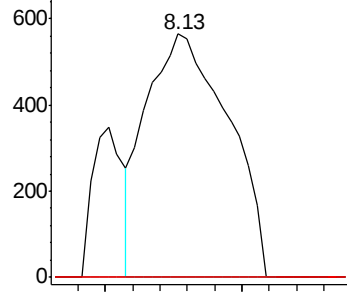
43 100

61 0.0 23.6 35.4#

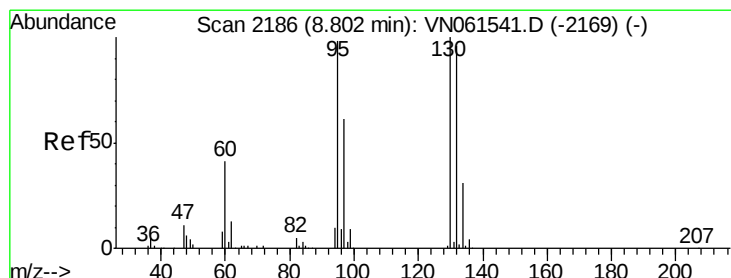
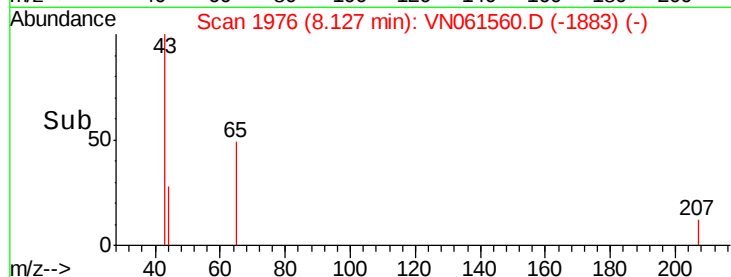
87 0.0 13.0 19.6#



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-1957) (-)



Time-->



#44

Trichloroethene

Concen: 0.198 ug/l

RT: 8.81 min Scan# 2188

Delta R.T. 0.01 min

Lab File: VN061560.D

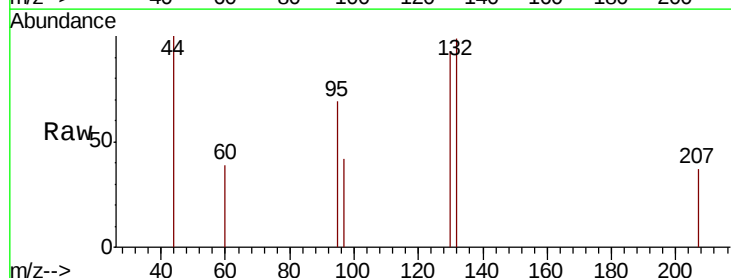
Acq: 29 May 2020 12:28

Tgt Ion: 130 Resp: 933

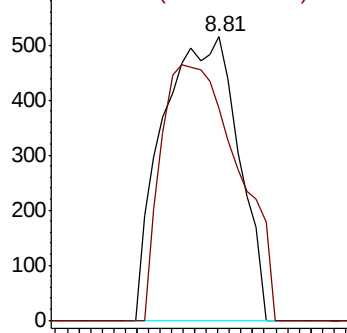
Ion Ratio Lower Upper

130 100

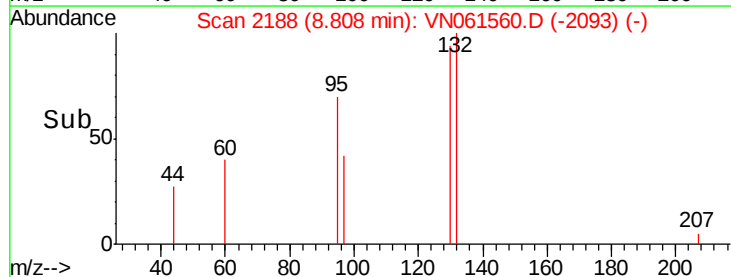
95 74.8 0.0 196.6

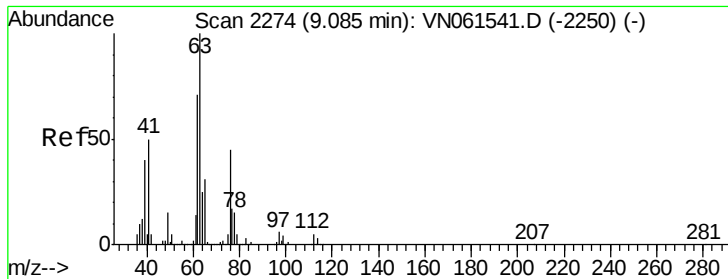


Abundance Ion 129.80 (129.50 to 130.50): VN061541.D (-2169) (-)



Time-->





#45

1,2-Dichloropropane

Concen: 0.059 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

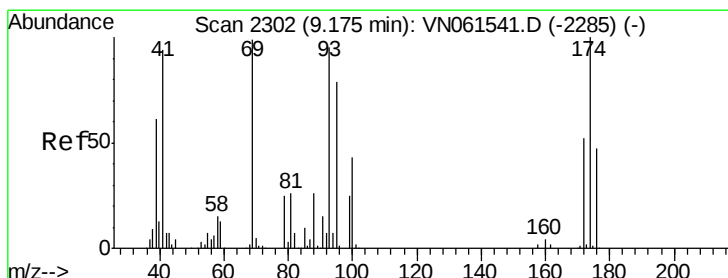
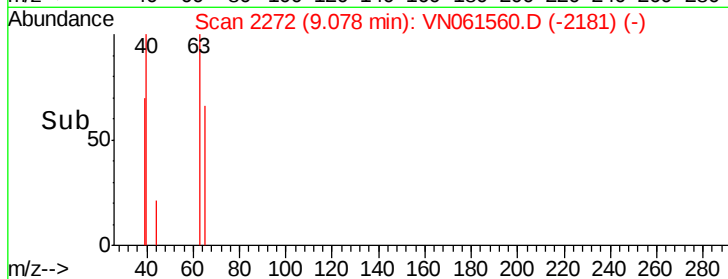
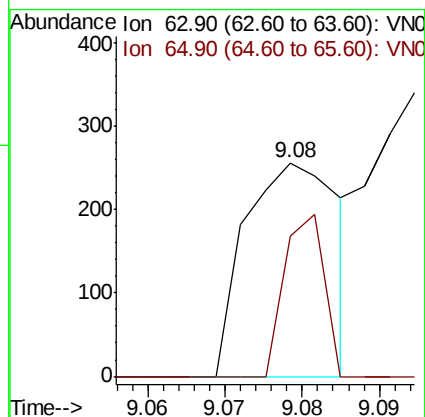
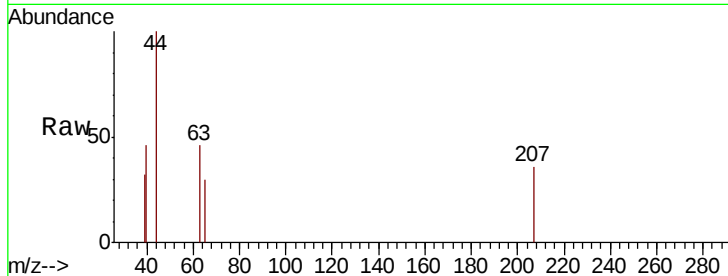
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 215

Ion Ratio Lower Upper

63 100

65 66.0 24.7 37.1#



#46

Dibromomethane

Concen: 0.020 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

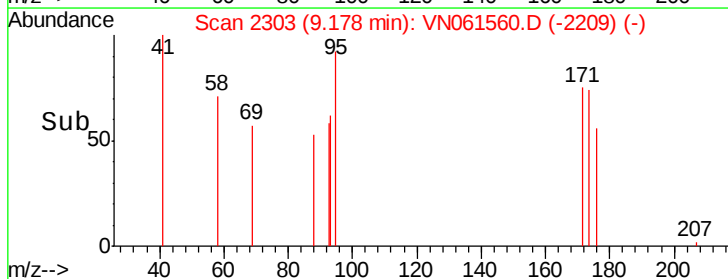
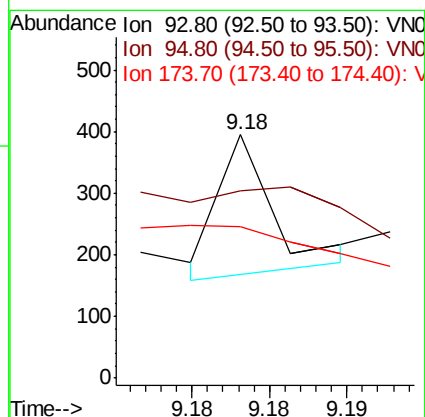
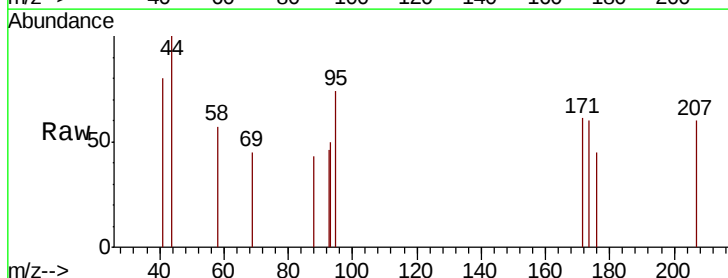
Tgt Ion: 93 Resp: 57

Ion Ratio Lower Upper

93 100

95 0.0 66.0 99.0#

174 659.6 82.5 123.7#





#47

Bromodichloromethane

Concen: 0.115 ug/l

RT: 9.37 min Scan# 2362

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampled :

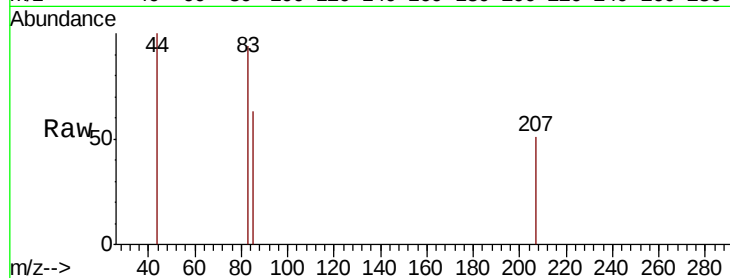
Tot Ion: 83 Resp: 633

Ion Ratio Lower Upper

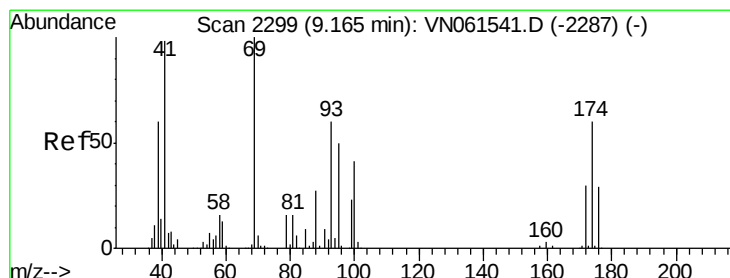
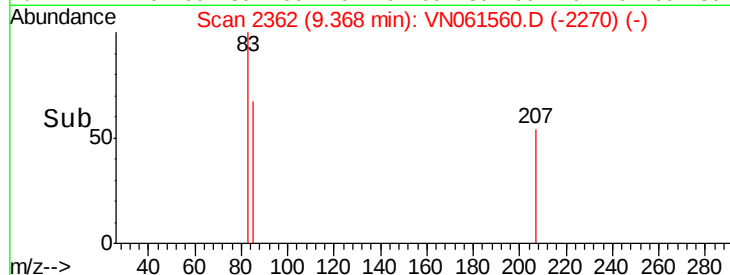
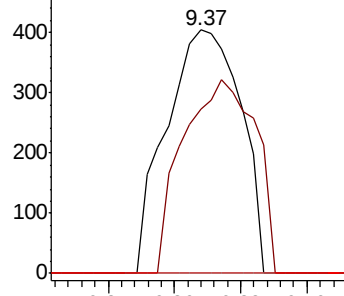
83 100

85 67.3 51.1 76.7

127 0.0 7.2 10.8#



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 0.180 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

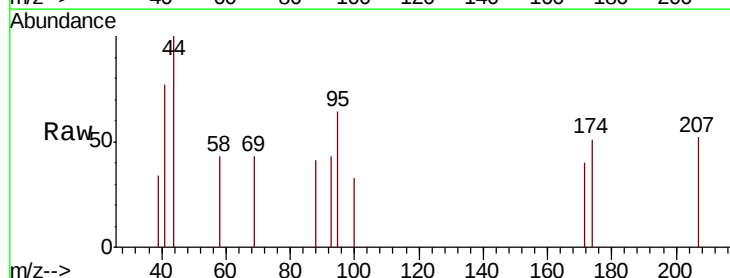
Tgt Ion: 41 Resp: 582

Ion Ratio Lower Upper

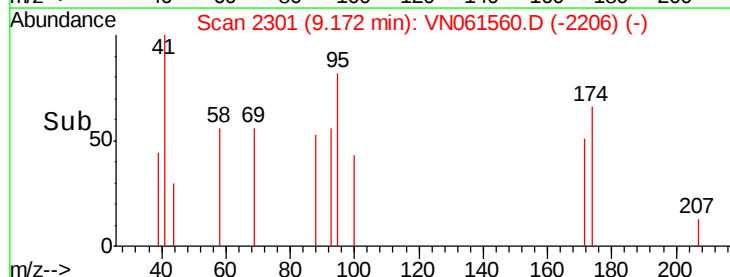
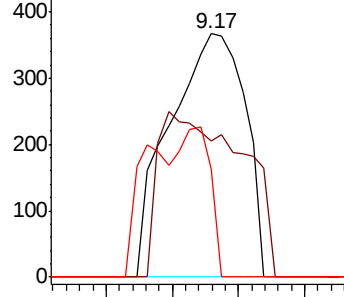
41 100

69 0.0 83.9 125.9#

39 26.5 52.1 78.1#



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

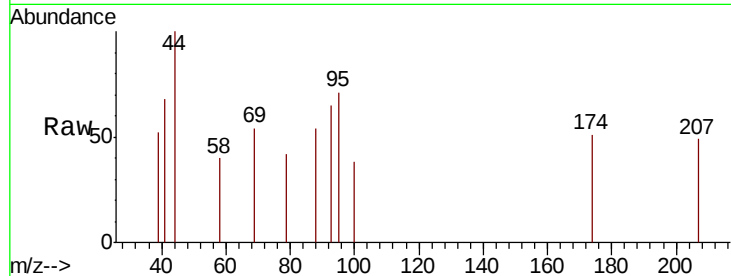




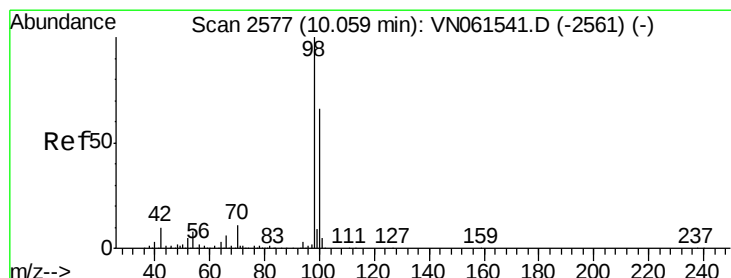
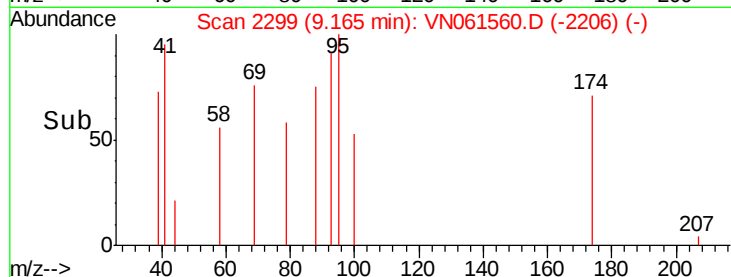
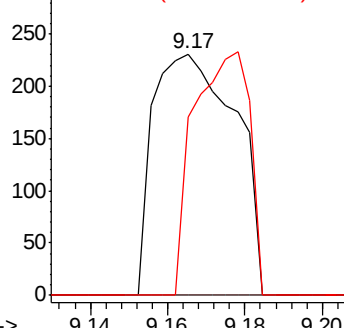
#49
 1,4-Dioxane
 Concen: 6.821 ug/l
 RT: 9.17 min Scan# 2299
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 342
 Ion Ratio Lower Upper
 88 100
 43 0.0 23.1 34.7#
 58 68.4 48.3 72.5

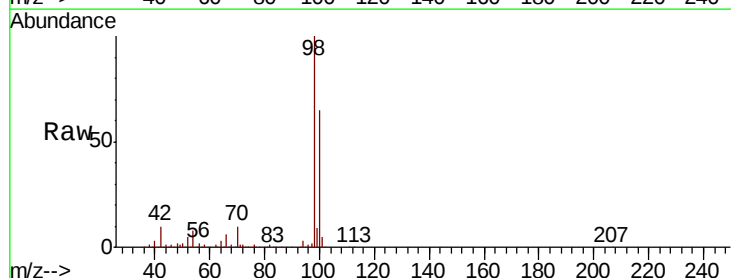


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

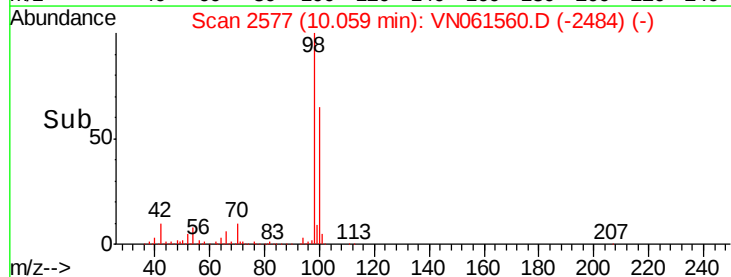
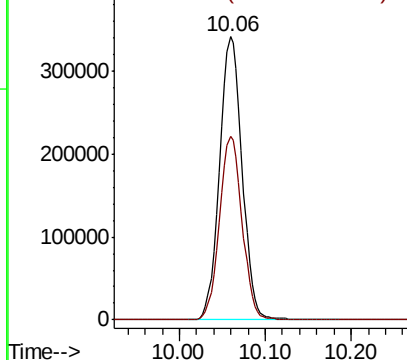


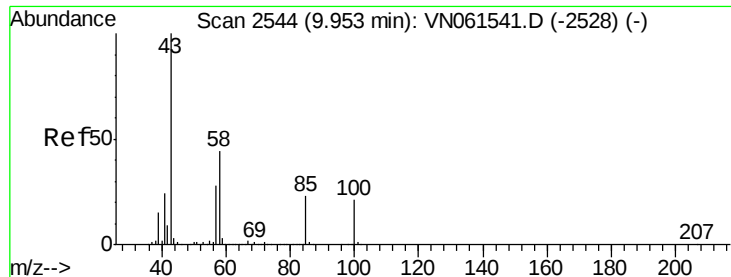
#50
 Toluene-d8
 Concen: 47.309 ug/l
 RT: 10.06 min Scan# 2577
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion: 98 Resp: 623703
 Ion Ratio Lower Upper
 98 100
 100 65.0 52.8 79.2



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





#51

4-Methyl-2-Pentanone

Concen: 0.980 ug/l

RT: 9.95 min Scan# 2544

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

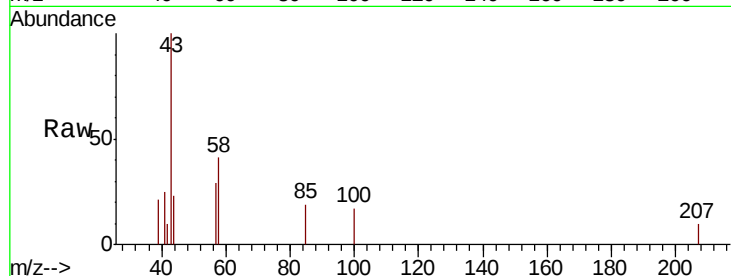
ClientSampled :

Tot Ion: 43 Resp: 3974

Ion Ratio Lower Upper

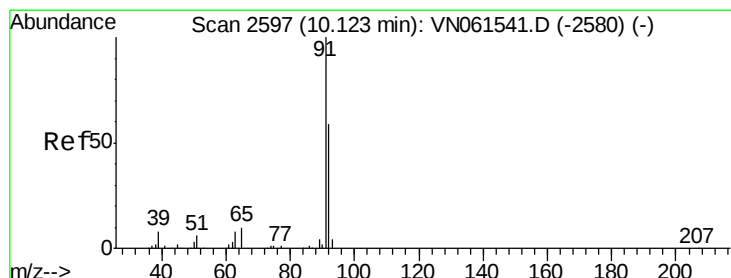
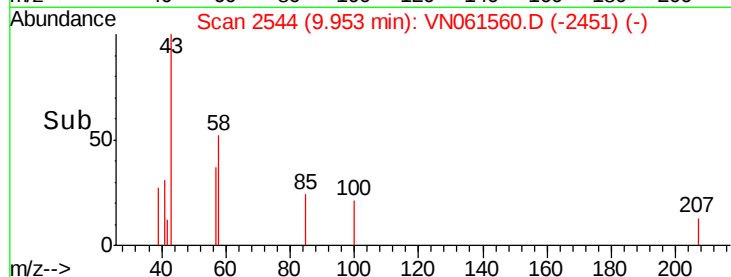
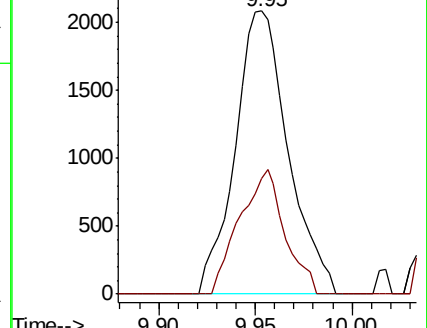
43 100

58 37.8 35.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VN061541.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN061541.D (-2528) (-)



#52

Toluene

Concen: 0.191 ug/l

RT: 10.13 min Scan# 2598

Delta R.T. 0.00 min

Lab File: VN061560.D

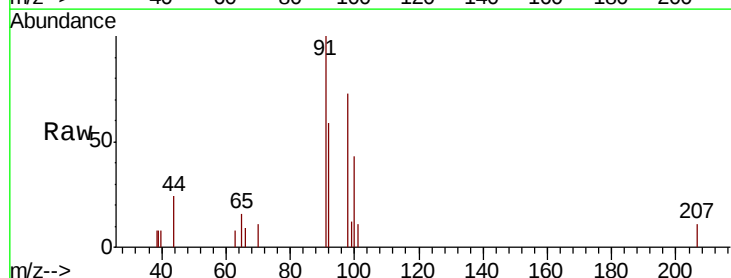
Acq: 29 May 2020 12:28

Tgt Ion: 92 Resp: 1912

Ion Ratio Lower Upper

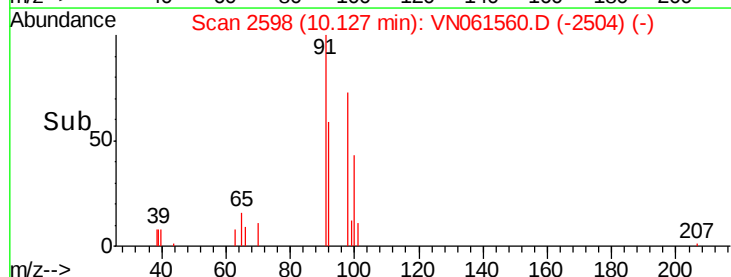
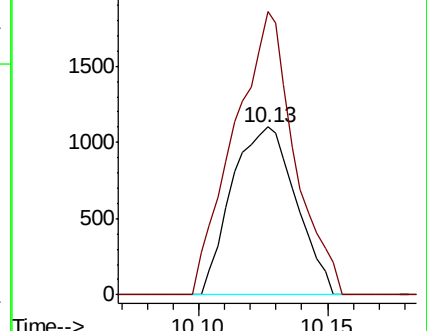
92 100

91 159.1 136.4 204.6



Abundance Ion 92.00 (91.70 to 92.70): VN061541.D (-2580) (-)

Ion 91.00 (90.70 to 91.70): VN061541.D (-2580) (-)





#53

t-1,3-Dichloropropene

Concen: 0.187 ug/l

RT: 10.36 min Scan# 2670

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

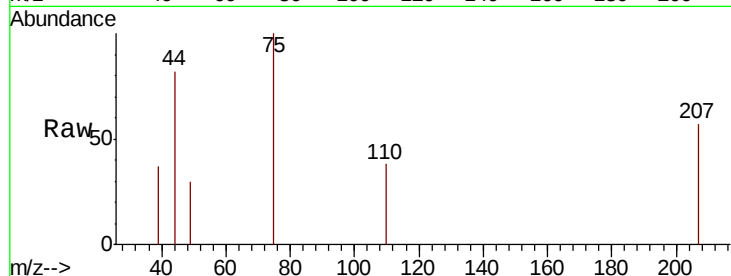
ClientSampleId :

Tot Ion: 75 Resp: 1115

Ion Ratio Lower Upper

75 100

77 0.0 26.2 39.4#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-2653) (-)

Ion 76.90 (76.60 to 77.60): VN061541.D (-2653) (-)

10.36

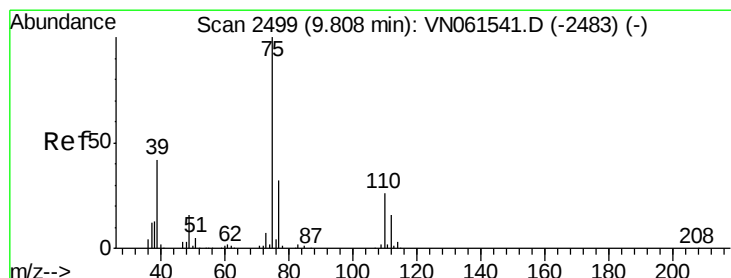
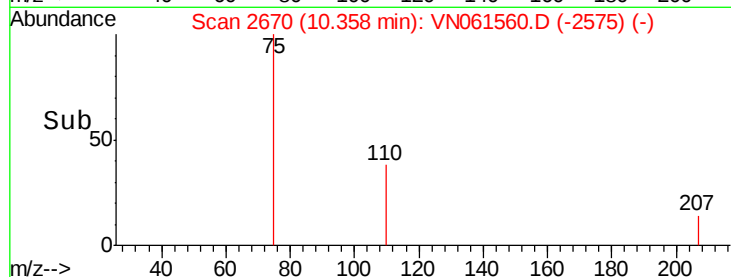
600

400

200

0

Time--> 10.30 10.35



#54

cis-1,3-Dichloropropene

Concen: 0.185 ug/l

RT: 9.81 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

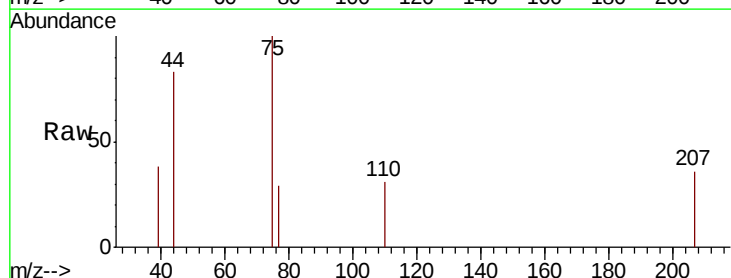
Tgt Ion: 75 Resp: 1187

Ion Ratio Lower Upper

75 100

77 29.1 25.4 38.2

39 38.4 33.8 50.6



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-2483) (-)

Ion 76.90 (76.60 to 77.60): VN061541.D (-2483) (-)

Ion 39.00 (38.70 to 39.70): VN061541.D (-2483) (-)

9.81

1000

800

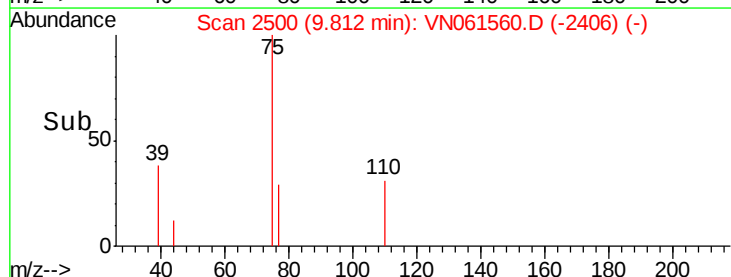
600

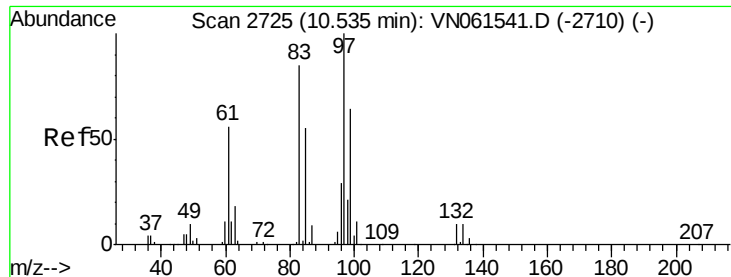
400

200

0

Time--> 9.80 9.85





#55

1,1,2-Trichloroethane

Concen: 0.160 ug/l

RT: 10.53 min Scan# 2725

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 638

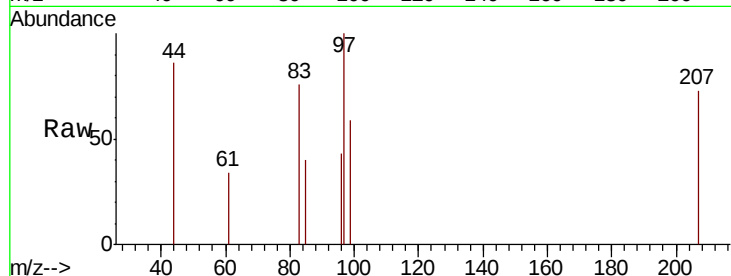
Ion Ratio Lower Upper

97 100

83 75.6 68.1 102.1

85 39.9 44.1 66.1#

99 58.8 51.1 76.7

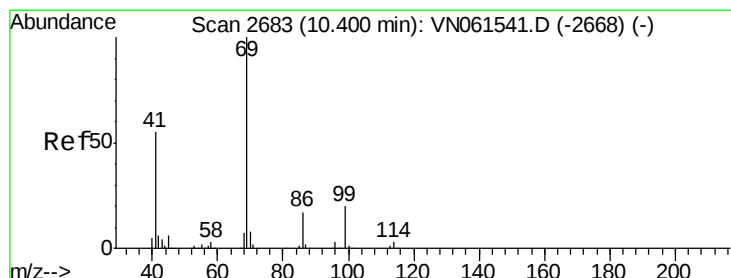
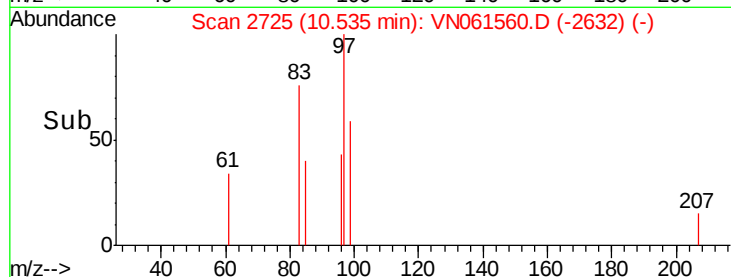
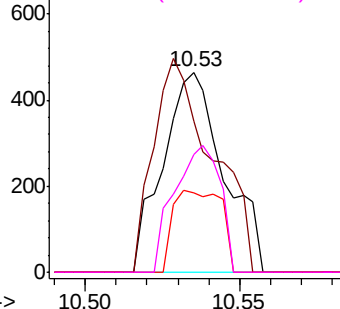


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.141 ug/l

RT: 10.40 min Scan# 2683

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

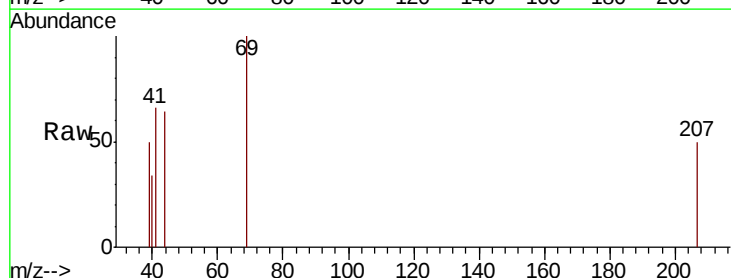
Tgt Ion: 69 Resp: 784

Ion Ratio Lower Upper

69 100

41 97.8 43.5 65.3#

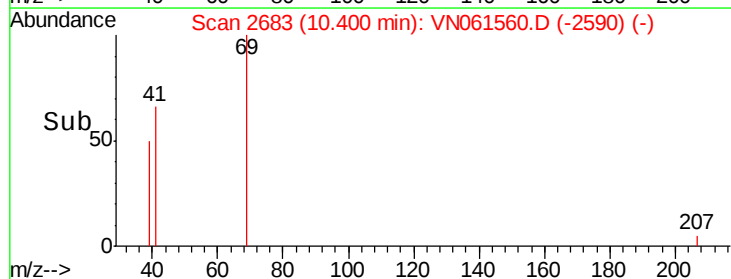
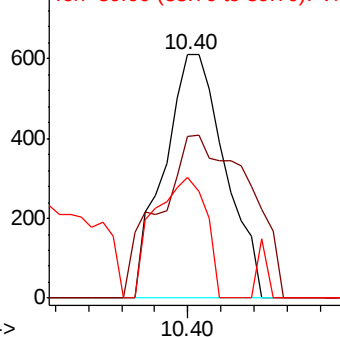
39 42.1 27.0 40.6#

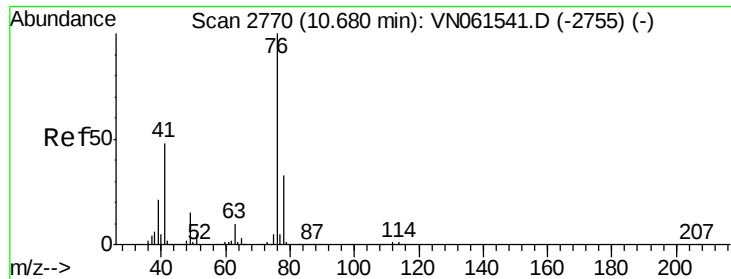


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 0.212 ug/l

RT: 10.68 min Scan# 2769

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

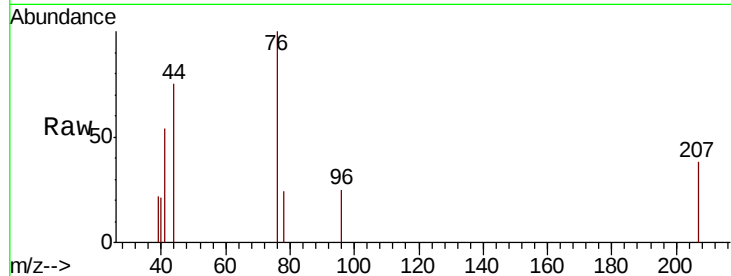
ClientSampled :

Tot Ion: 76 Resp: 1353

Ion Ratio Lower Upper

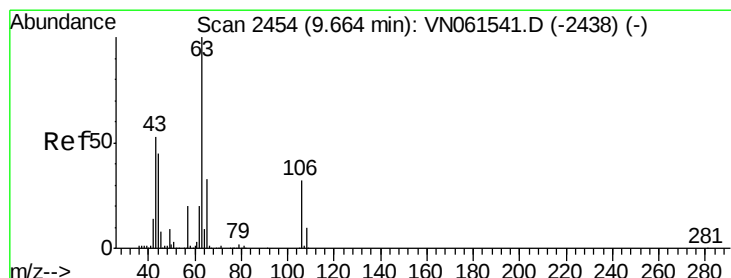
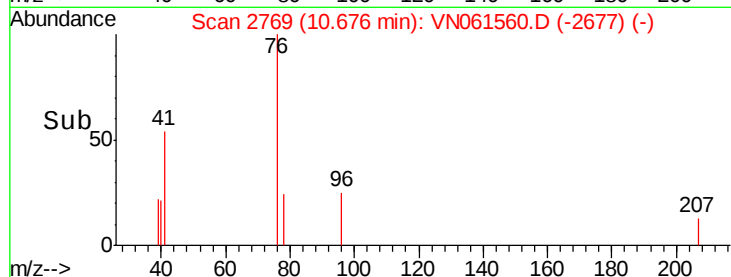
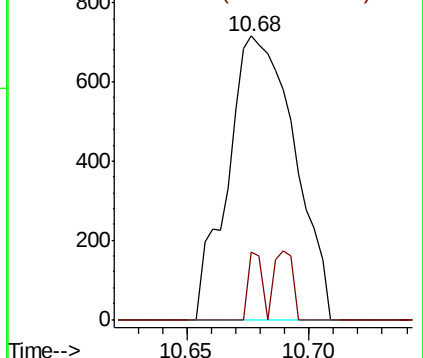
76 100

78 4.7 26.3 39.5#



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: 0.843 ug/l

RT: 9.67 min Scan# 2455

Delta R.T. 0.00 min

Lab File: VN061560.D

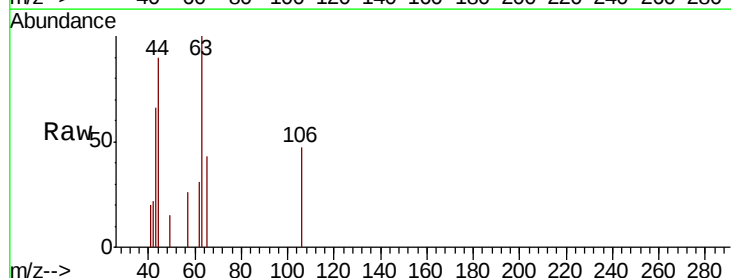
Acq: 29 May 2020 12:28

Tgt Ion: 63 Resp: 2005

Ion Ratio Lower Upper

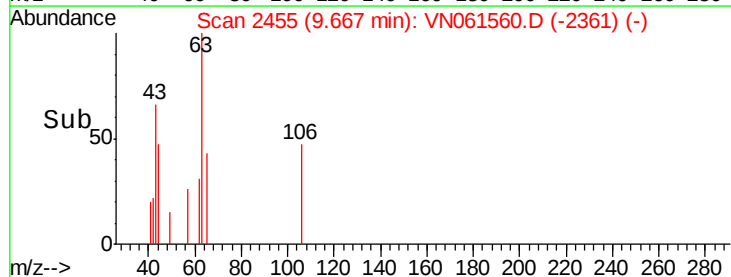
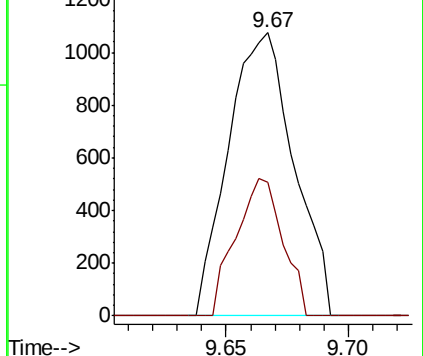
63 100

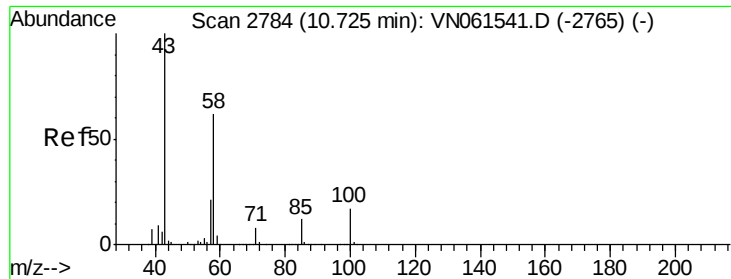
106 34.8 25.9 38.9



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

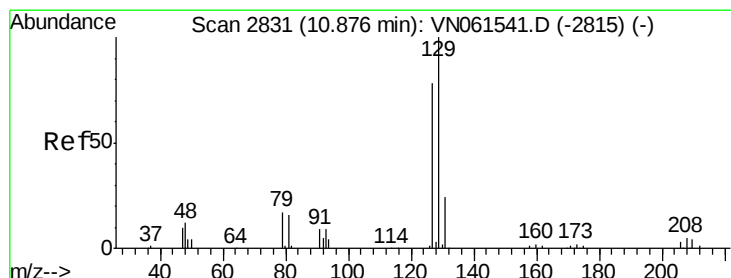
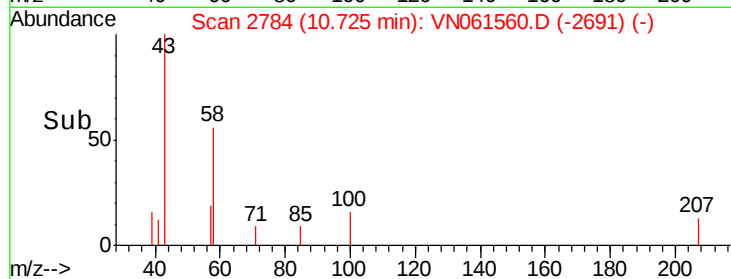
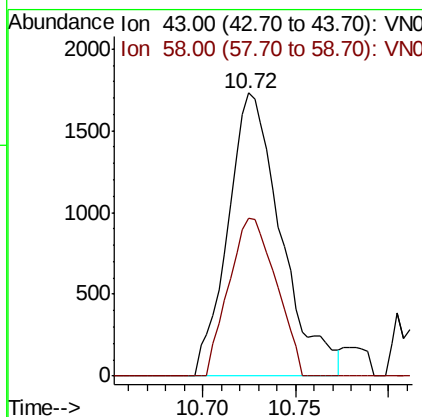
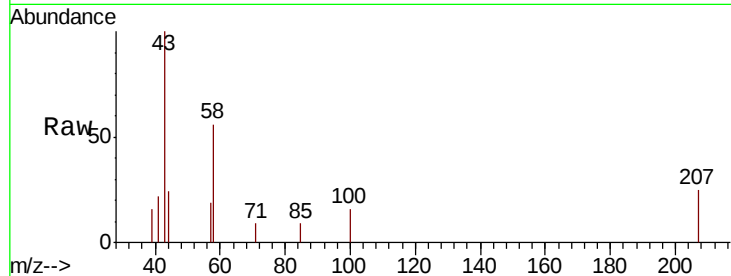




#59
2-Hexanone
Concen: 1.185 ug/l
RT: 10.72 min Scan# 2784
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

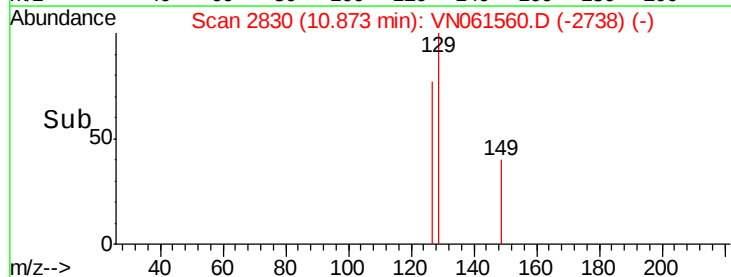
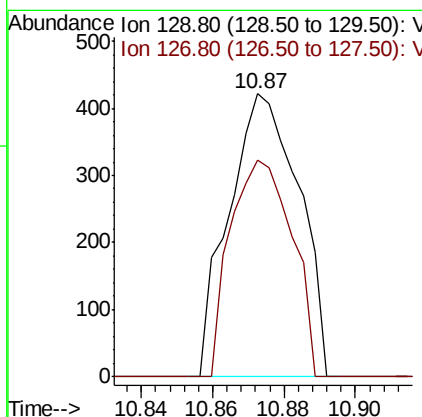
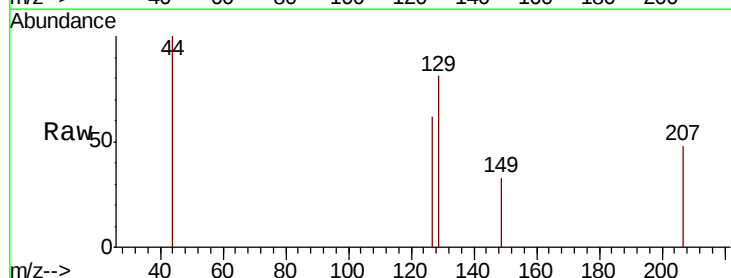
Instrument :
MSVOA_N
ClientSampleId :

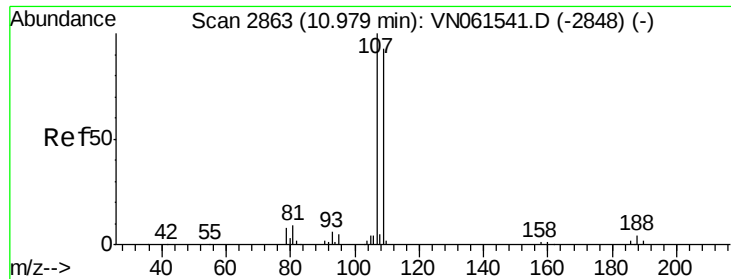
Tot Ion: 43 Resp: 3449
Ion Ratio Lower Upper
43 100
58 49.5 30.7 92.1



#60
Dibromochloromethane
Concen: 0.126 ug/l
RT: 10.87 min Scan# 2830
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 129 Resp: 571
Ion Ratio Lower Upper
129 100
127 67.3 38.8 116.3

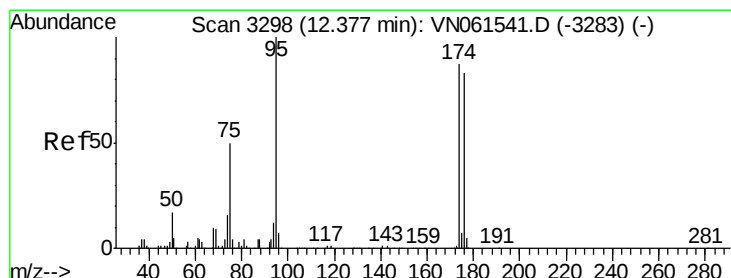
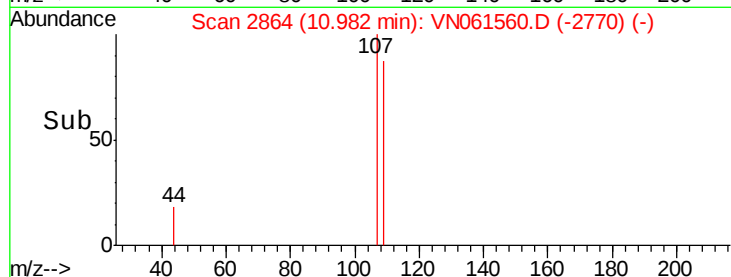
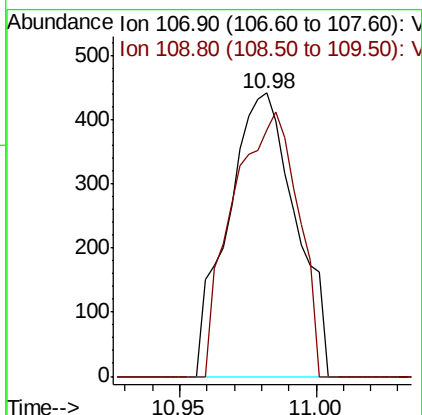
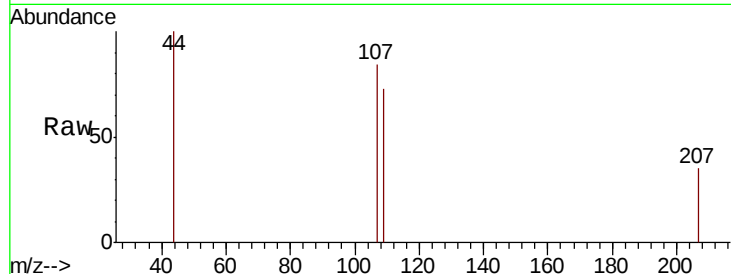




#61
 1,2-Dibromoethane
 Concen: 0.183 ug/l
 RT: 10.98 min Scan# 2864
 Delta R.T. 0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

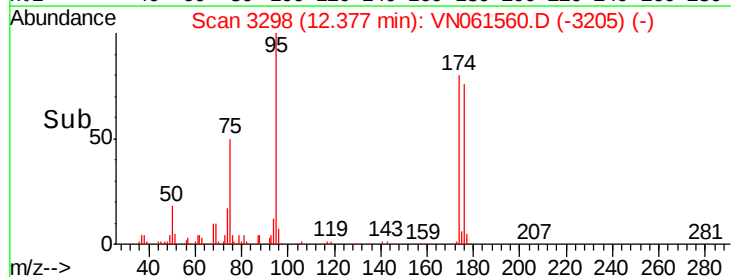
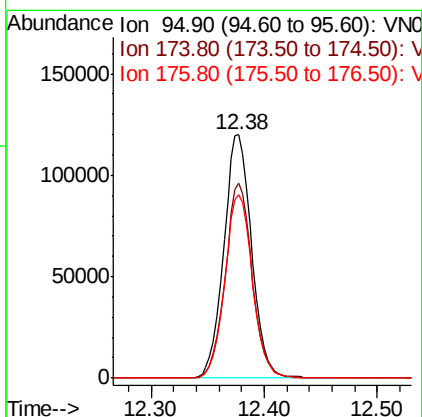
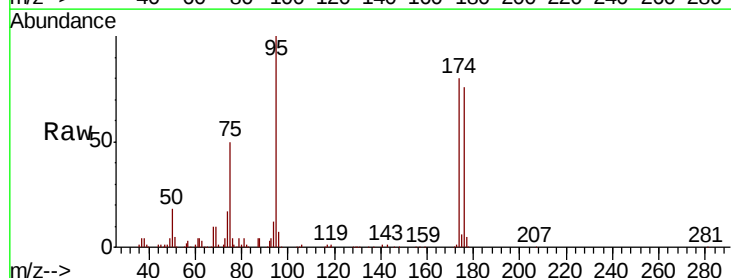
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:107 Resp: 759
 Ion Ratio Lower Upper
 107 100
 109 90.1 76.1 114.1



#62
 4-Bromofluorobenzene
 Concen: 42.546 ug/l
 RT: 12.38 min Scan# 3298
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion: 95 Resp: 204643
 Ion Ratio Lower Upper
 95 100
 174 77.9 0.0 172.8
 176 74.9 0.0 164.8

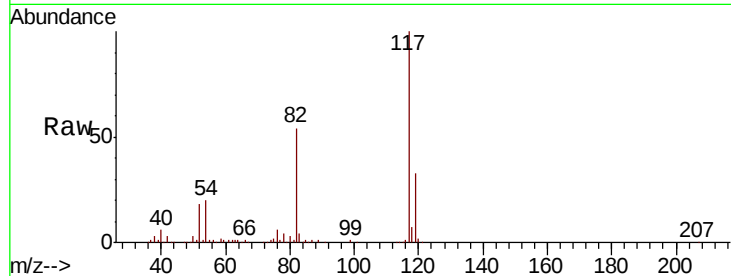




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.38 min Scan# 2988
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	53.9	41.5	62.3
119	32.8	25.6	38.4

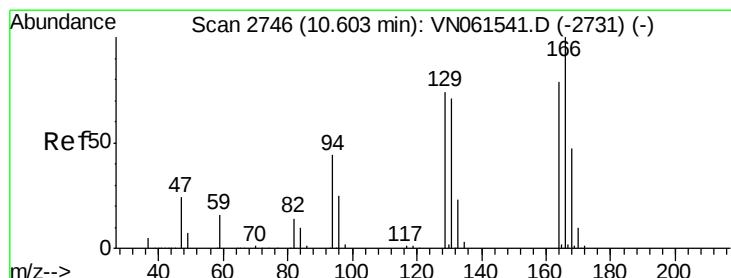
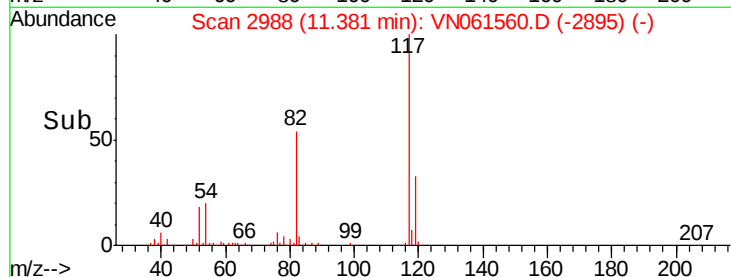
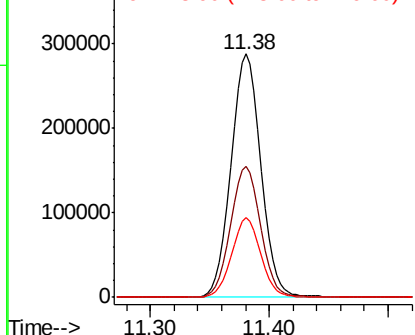


Abundance

Ion 116.90 (116.60 to 117.60): V

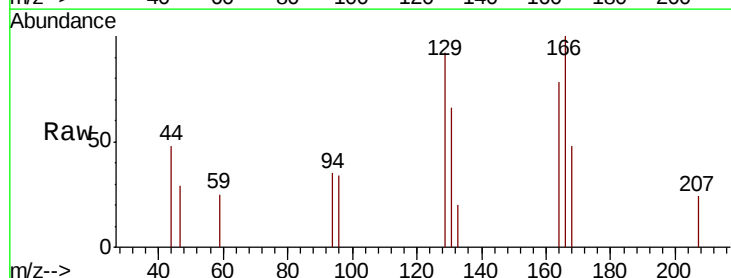
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 0.210 ug/l
RT: 10.60 min Scan# 2746
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	101.5	152.3
129	118.4	74.9	112.3
131	84.2	72.2	108.2



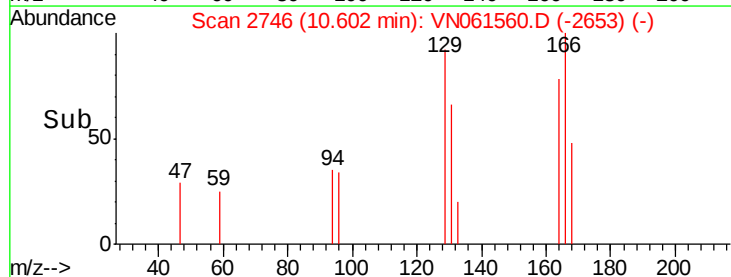
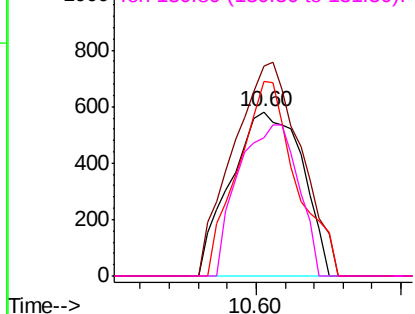
Abundance

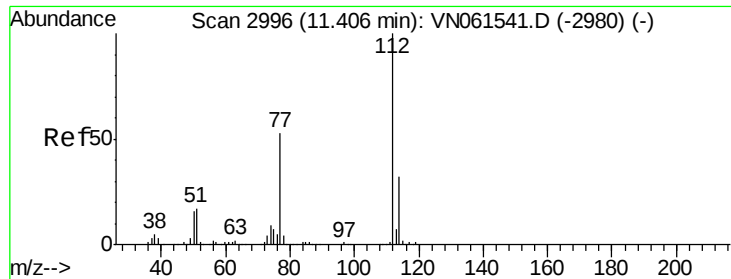
Ion 163.80 (163.50 to 164.50): V

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

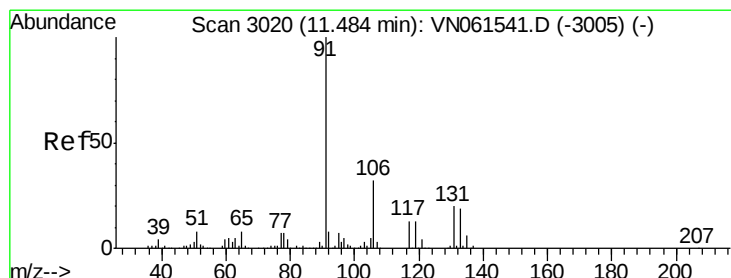
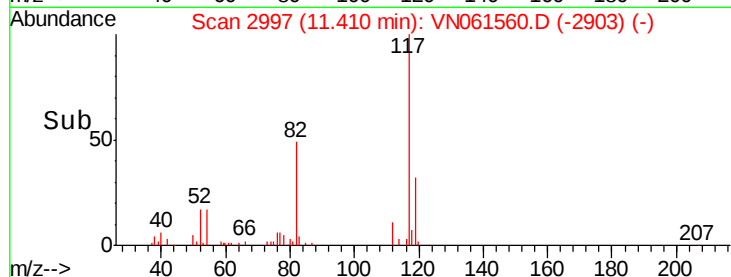
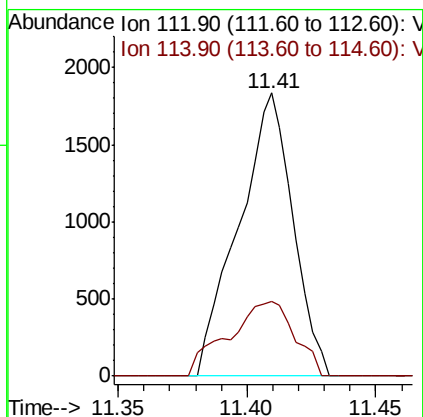
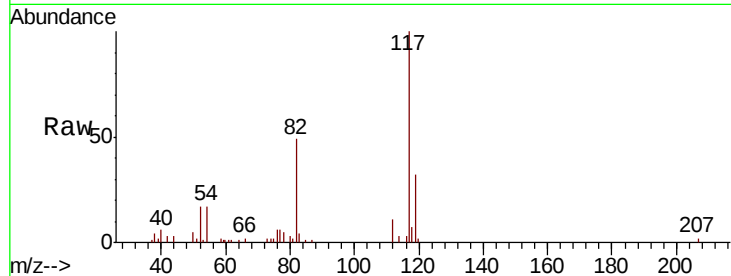




#65
Chlorobenzene
Concen: 0.258 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

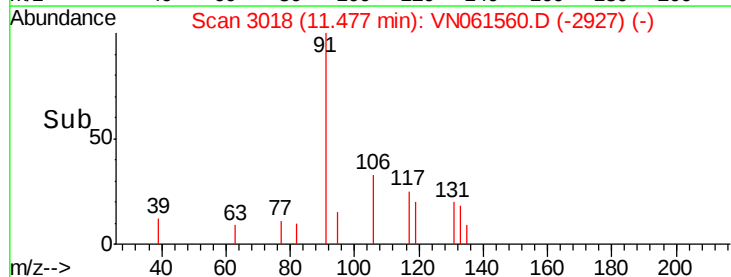
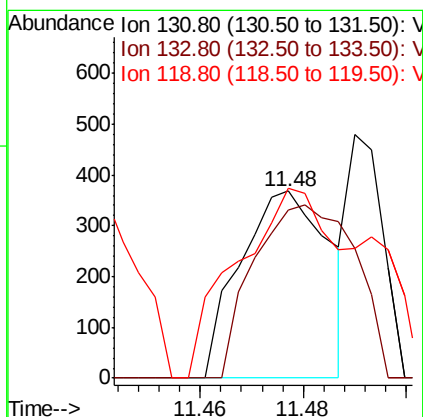
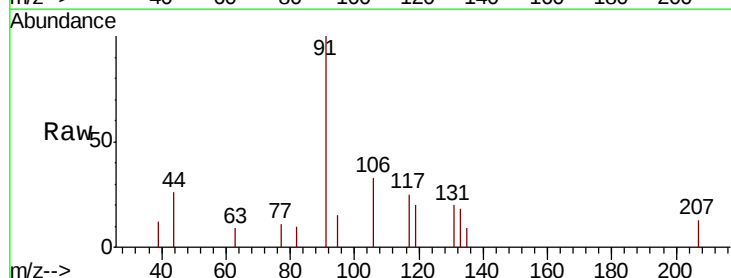
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:112 Resp: 2694
Ion Ratio Lower Upper
112 100
114 26.4 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 0.112 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. -0.01 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion:131 Resp: 436
Ion Ratio Lower Upper
131 100
133 106.7 47.4 142.2
119 0.0 32.6 97.8#





#67

Ethyl Benzene

Concen: 0.220 ug/l

RT: 11.48 min Scan# 3020

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

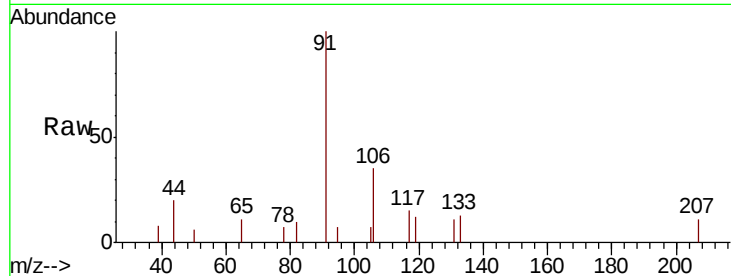
ClientSampled :

Tot Ion: 91 Resp: 3973

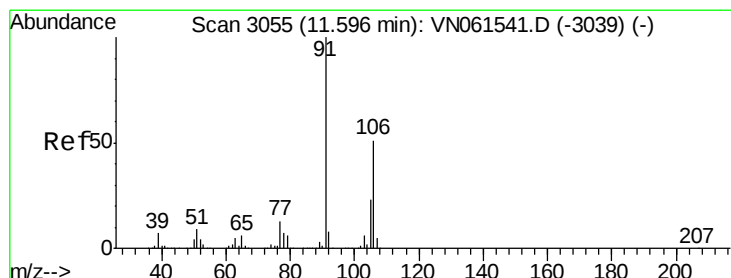
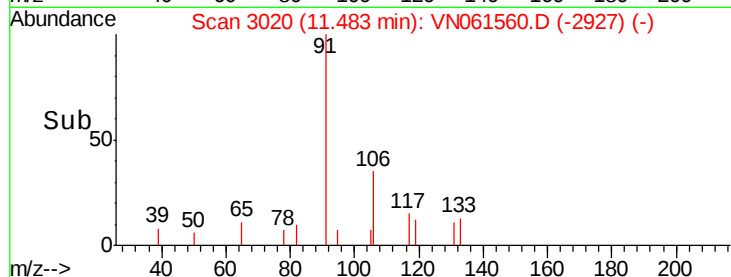
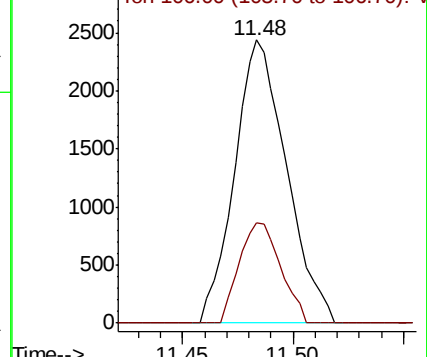
Ion Ratio Lower Upper

91 100

106 35.5 25.6 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3005) (-)



#68

m/p-Xylenes

Concen: 0.427 ug/l

RT: 11.60 min Scan# 3056

Delta R.T. 0.00 min

Lab File: VN061560.D

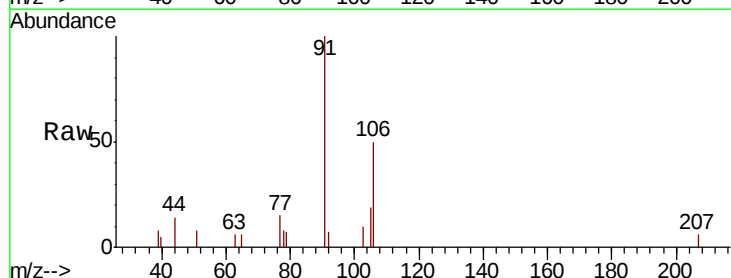
Acq: 29 May 2020 12:28

Tgt Ion: 106 Resp: 3051

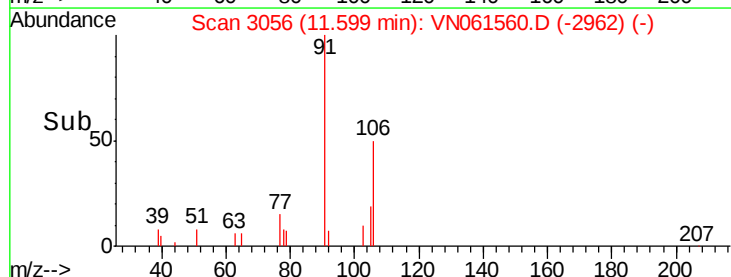
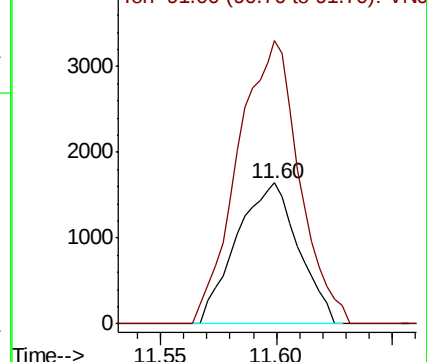
Ion Ratio Lower Upper

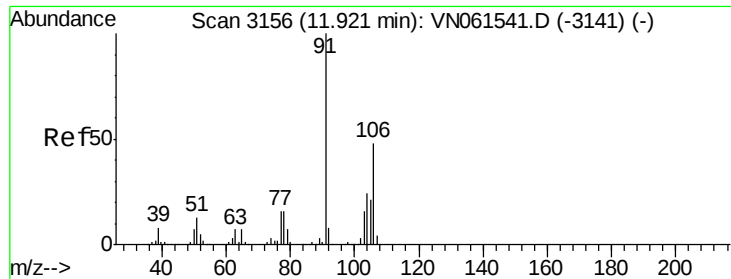
106 100

91 199.7 156.2 234.4



Abundance Ion 106.00 (105.70 to 106.70): VN061541.D (-3039) (-)

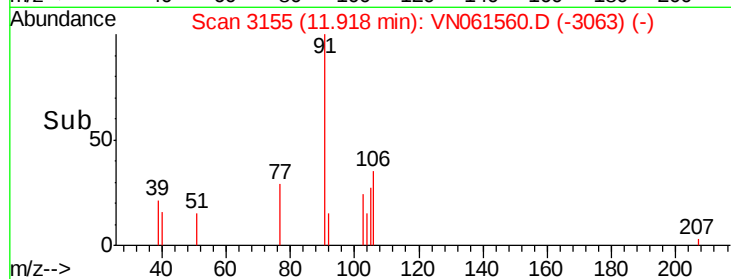
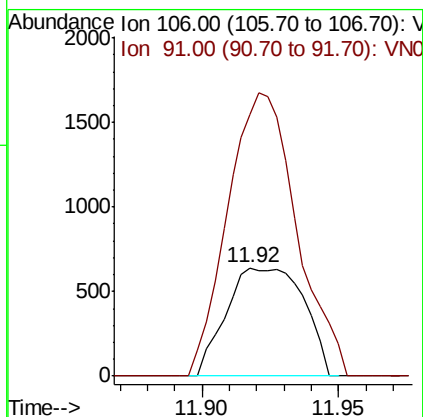
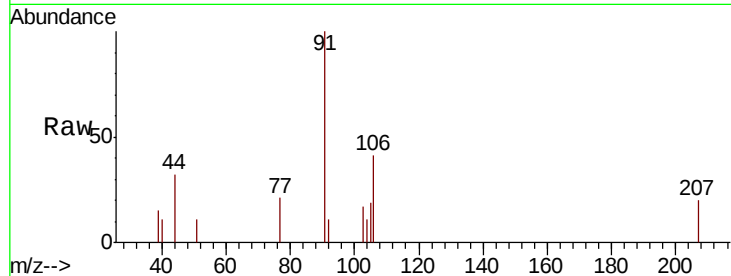




#69
o-Xylene
Concen: 0.186 ug/l
RT: 11.92 min Scan# 3155
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

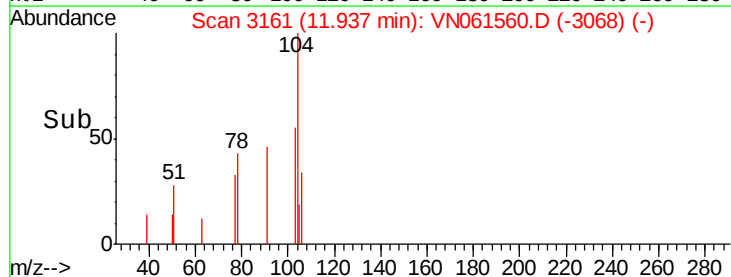
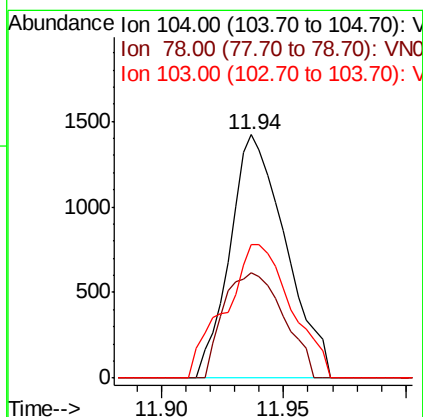
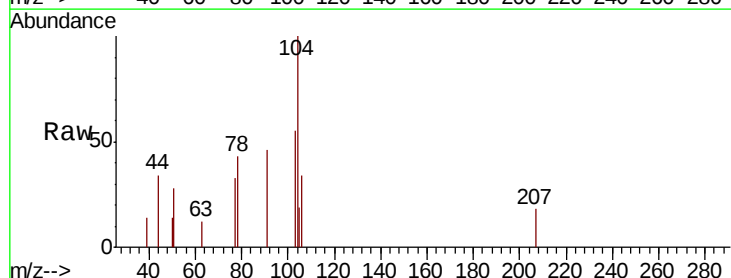
Instrument :
MSVOA_N
ClientSampled :

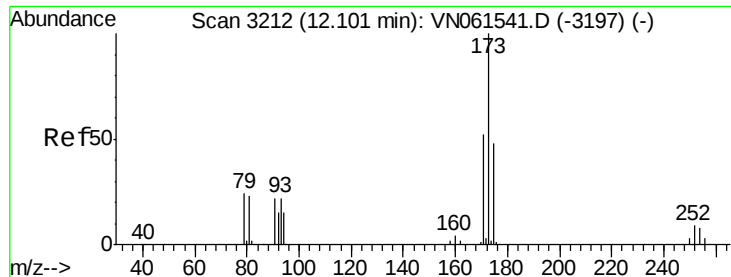
Tot Ion:106 Resp: 1262
Ion Ratio Lower Upper
106 100
91 232.4 103.3 309.8



#70
Styrene
Concen: 0.200 ug/l
RT: 11.94 min Scan# 3161
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion:104 Resp: 2252
Ion Ratio Lower Upper
104 100
78 46.8 37.4 56.0
103 64.9 42.3 63.5#





#71

Bromoform

Concen: 0.095 ug/l

RT: 12.10 min Scan# 3211

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

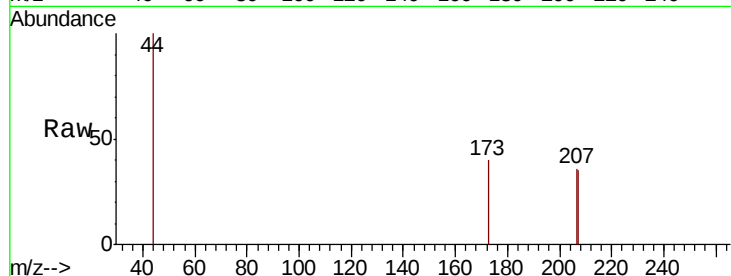
Tot Ion:173 Resp: 283

Ion Ratio Lower Upper

173 100

175 0.0 24.4 73.2#

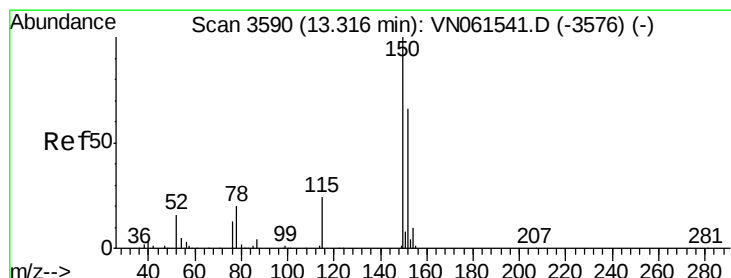
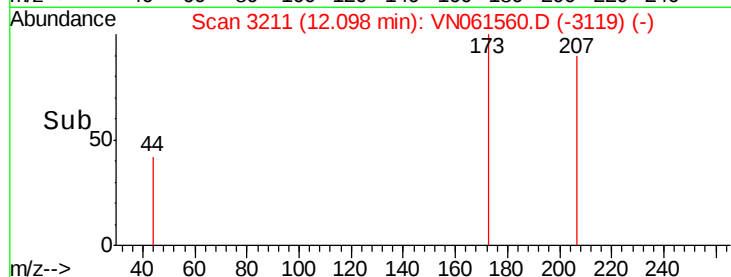
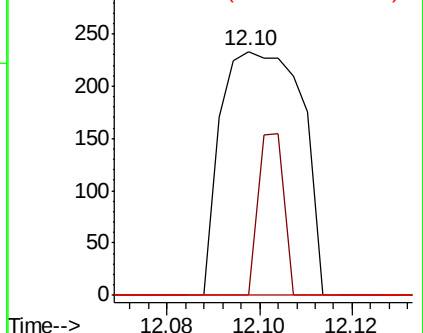
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.32 min Scan# 3591

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

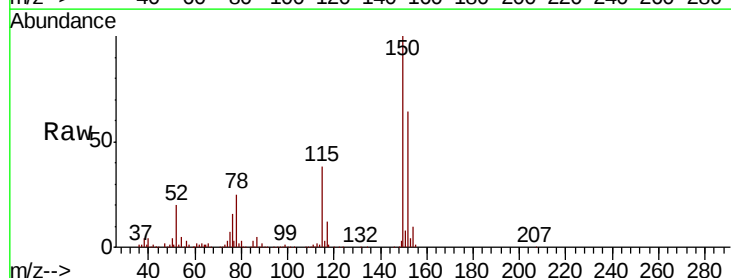
Tgt Ion:152 Resp: 208581

Ion Ratio Lower Upper

152 100

115 59.1 28.0 84.0

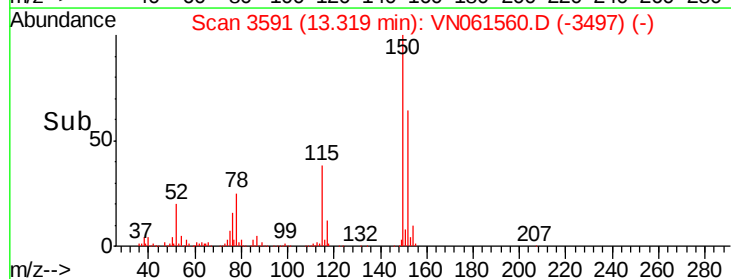
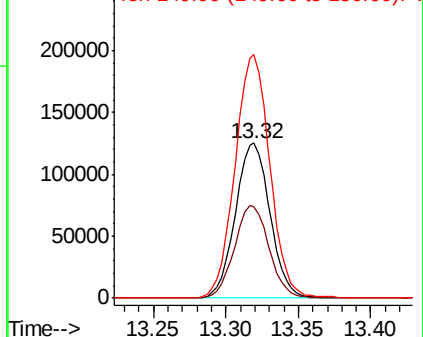
150 157.6 0.0 344.0

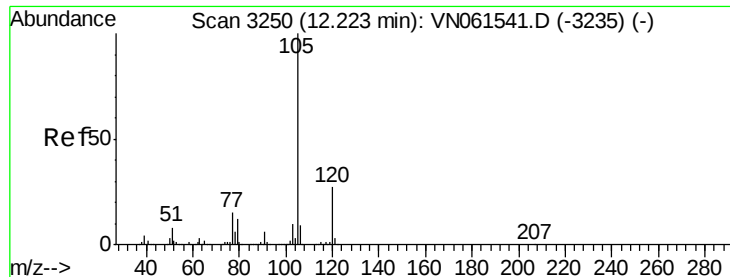


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 0.236 ug/l

RT: 12.22 min Scan# 3250

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

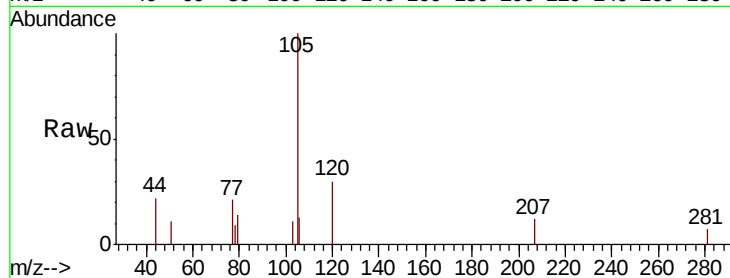
ClientSampleId :

Tot Ion:105 Resp: 3594

Ion Ratio Lower Upper

105 100

120 28.5 13.8 41.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.22

2000

1500

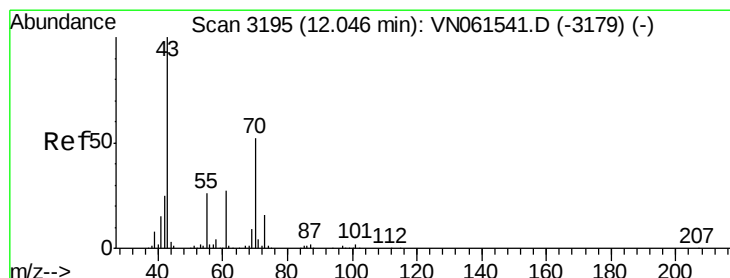
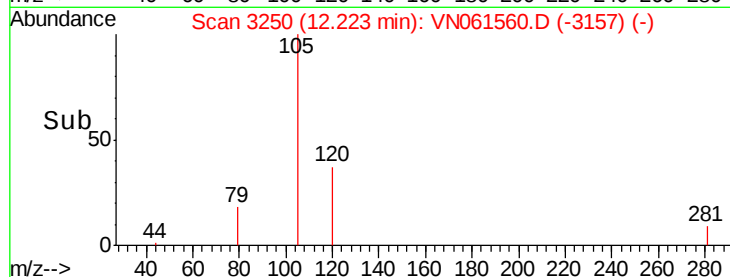
1000

500

0

Time-->

12.20 12.25



#74

N-ethyl acetate

Concen: 0.321 ug/l

RT: 12.05 min Scan# 3196

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Tgt Ion: 43 Resp: 1538

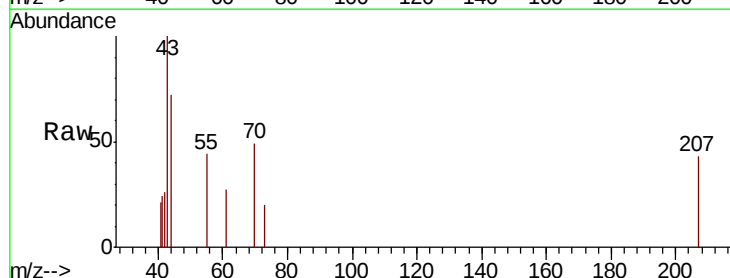
Ion Ratio Lower Upper

43 100

70 37.8 40.5 60.7#

55 20.3 20.6 31.0#

61 20.5 21.8 32.6#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

1200

1000

800

600

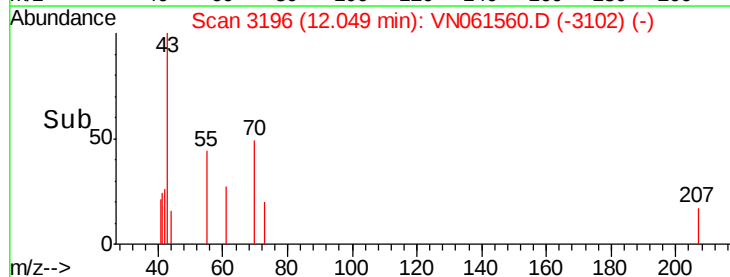
400

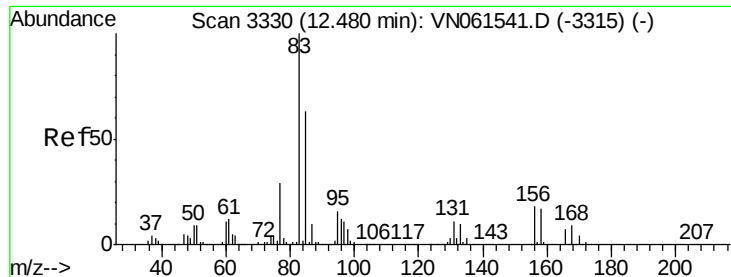
200

0

Time-->

12.00 12.05





#75

1,1,2,2-Tetrachloroethane

Concen: 0.243 ug/l

RT: 12.49 min Scan# 3332

Delta R.T. 0.01 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

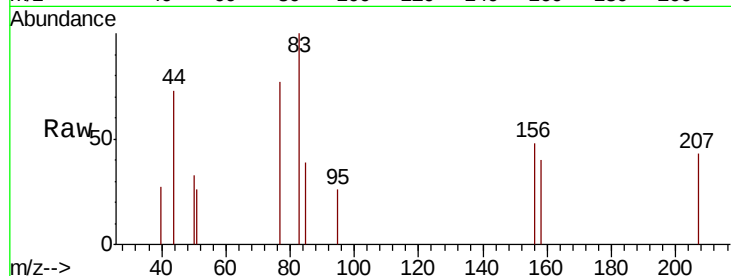
Tot Ion: 83 Resp: 1038

Ion Ratio Lower Upper

83 100

131 0.0 5.5 16.5#

85 44.9 32.1 96.3



Abundance Ion 82.90 (82.60 to 83.60): VN061541.D (-3315) (-)

Ion 130.80 (130.50 to 131.50): VN061541.D (-3315) (-)

Ion 84.90 (84.60 to 85.60): VN061541.D (-3315) (-)

12.49

600

400

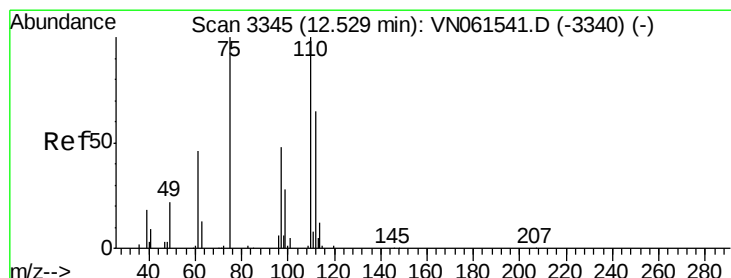
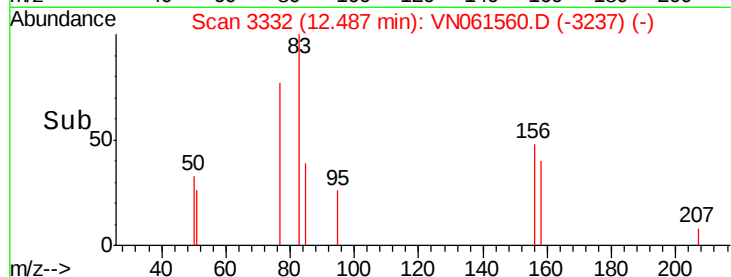
200

0

12.45

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 26.945 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. -0.15 min

Lab File: VN061560.D

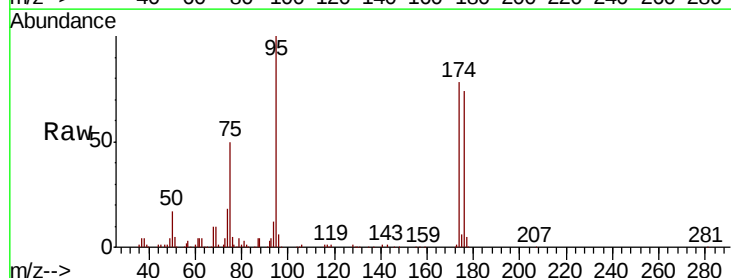
Acq: 29 May 2020 12:28

Tgt Ion: 75 Resp: 102197

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN061541.D (-3340) (-)

Ion 77.00 (76.70 to 77.70): VN061541.D (-3340) (-)

12.37

60000

40000

20000

0

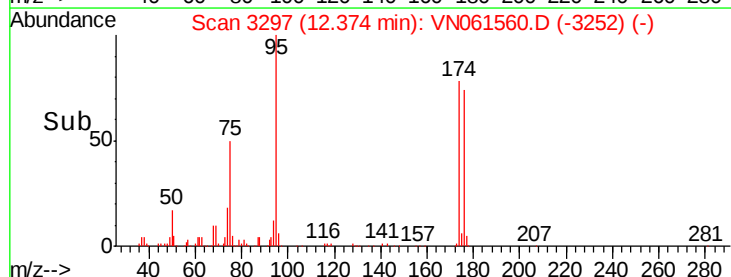
12.30

12.35

12.40

12.45

Time-->

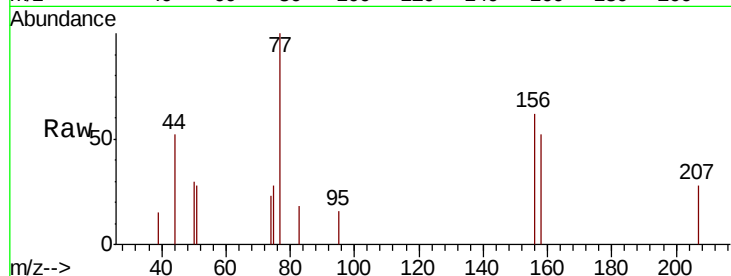




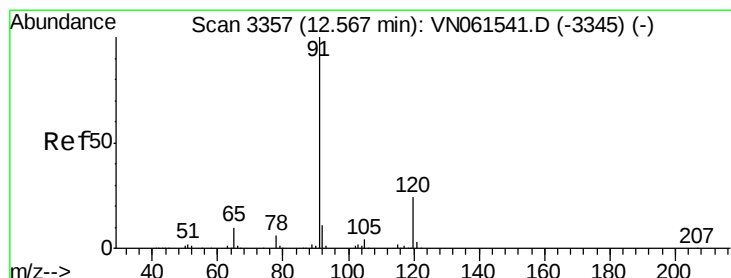
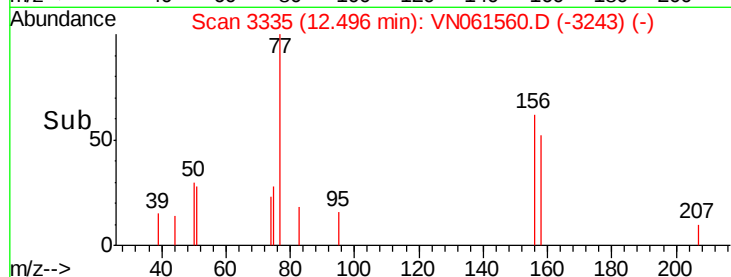
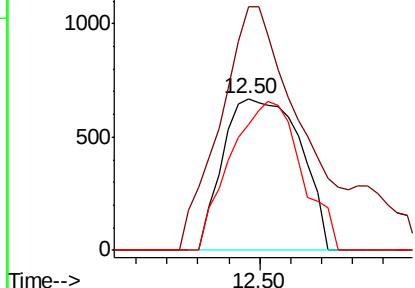
#77
Bromobenzene
Concen: 0.300 ug/l
RT: 12.50 min Scan# 3335
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:156 Resp: 1166
Ion Ratio Lower Upper
156 100
77 164.7 90.9 272.7
158 89.7 48.4 145.3

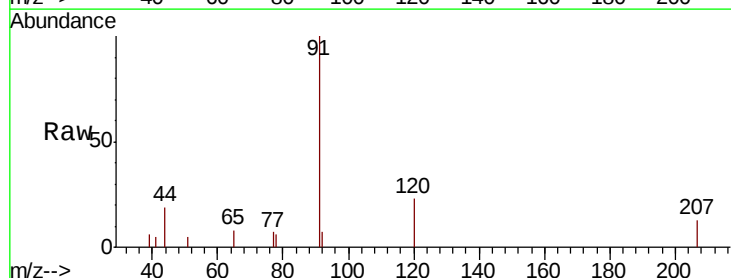


Abundance Ion 155.80 (155.50 to 156.50): V
Ion 77.00 (76.70 to 77.70): VN
Ion 157.80 (157.50 to 158.50): V

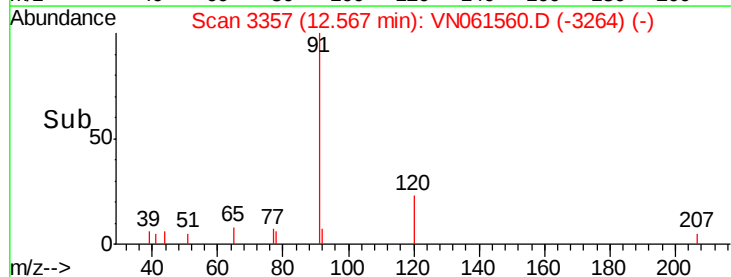
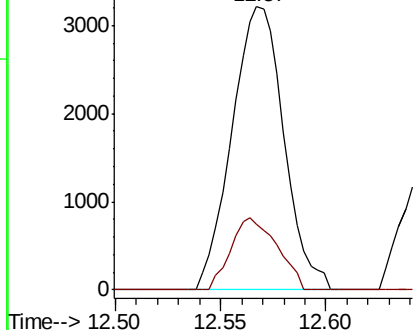


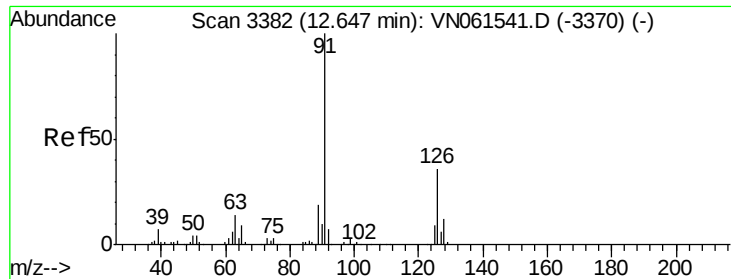
#78
n-propylbenzene
Concen: 0.323 ug/l
RT: 12.57 min Scan# 3357
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 91 Resp: 5492
Ion Ratio Lower Upper
91 100
120 22.6 12.3 36.9



Abundance Ion 91.00 (90.70 to 91.70): VN
Ion 120.00 (119.70 to 120.70): V

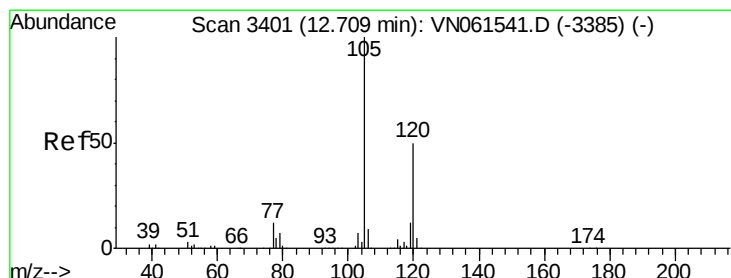
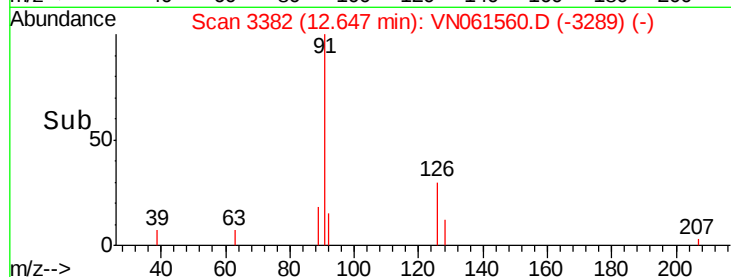
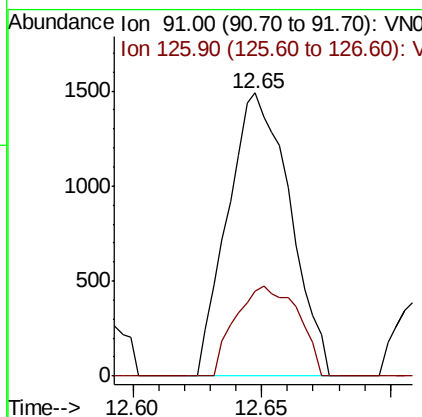
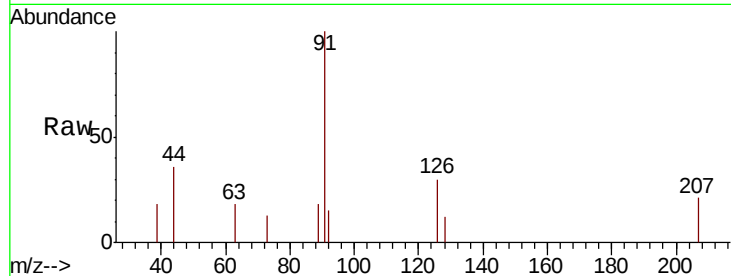




#79
 2-Chlorotoluene
 Concen: 0.247 ug/l
 RT: 12.65 min Scan# 3382
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

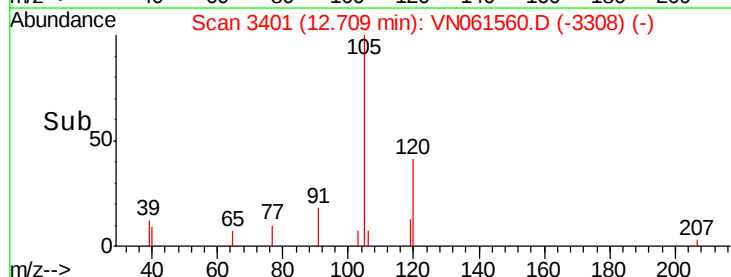
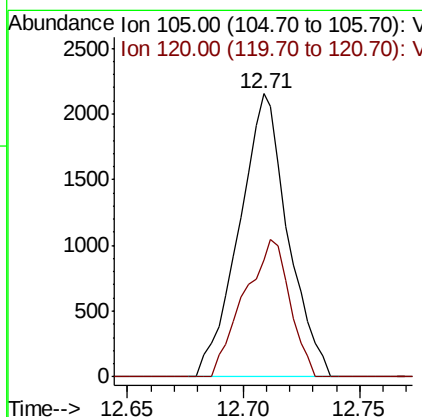
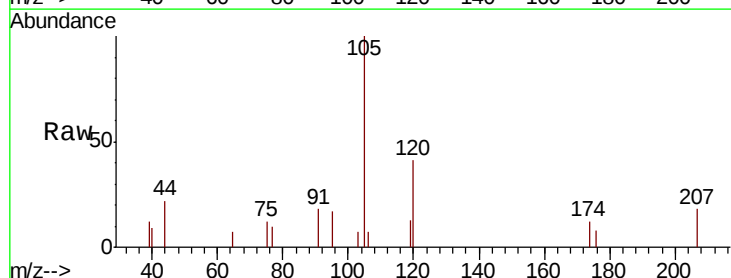
Instrument :
 MSVOA_N
 ClientSampleId :

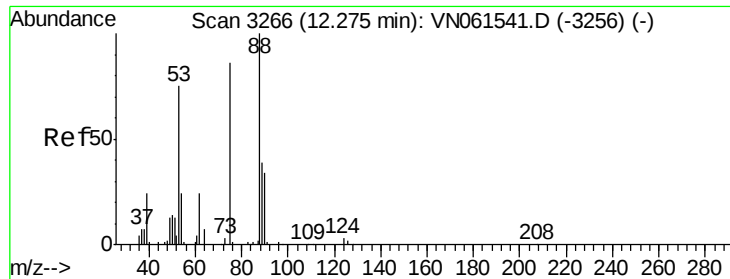
Tot Ion: 91 Resp: 2503
 Ion Ratio Lower Upper
 91 100
 126 32.1 17.9 53.7



#80
 1,3,5-Trimethylbenzene
 Concen: 0.247 ug/l
 RT: 12.71 min Scan# 3401
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion: 105 Resp: 3149
 Ion Ratio Lower Upper
 105 100
 120 45.4 25.1 75.2





#81

trans-1,4-Dichloro-2-butene

Concen: 68.905 ug/l

RT: 12.37 min Scan# 3297

Delta R.T. 0.10 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

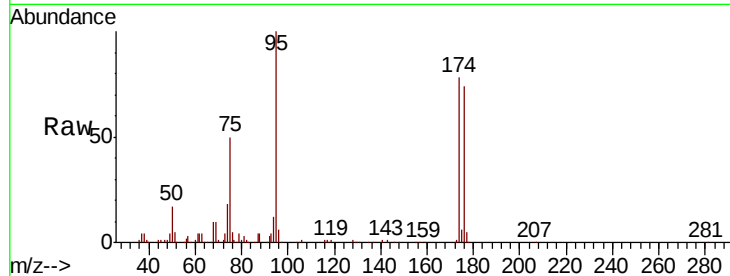
Tot Ion: 75 Resp: 102197

Ion Ratio Lower Upper

75 100

53 0.0 67.8 101.8#

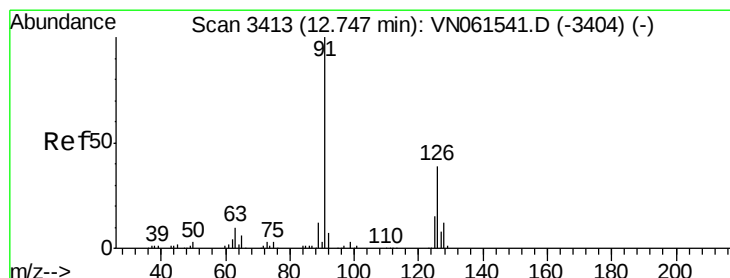
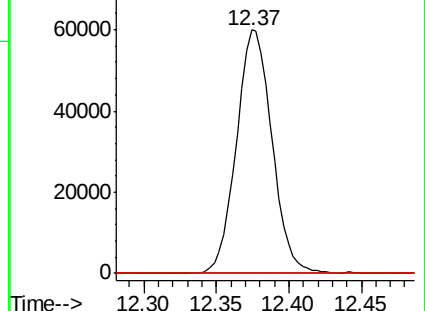
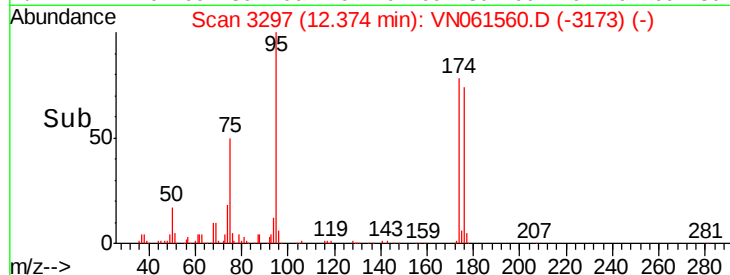
89 0.0 37.1 55.7#



Abundance Ion 74.90 (74.60 to 75.60): VN061560.D (-3173) (-)

Ion 53.00 (52.70 to 53.70): VN061560.D (-3173) (-)

Ion 88.90 (88.60 to 89.60): VN061560.D (-3173) (-)



#82

4-Chlorotoluene

Concen: 0.338 ug/l

RT: 12.75 min Scan# 3413

Delta R.T. -0.00 min

Lab File: VN061560.D

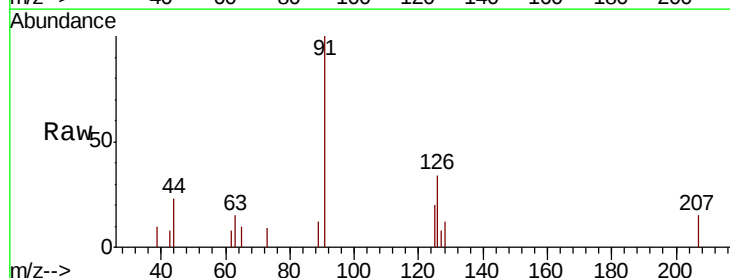
Acq: 29 May 2020 12:28

Tgt Ion: 91 Resp: 3605

Ion Ratio Lower Upper

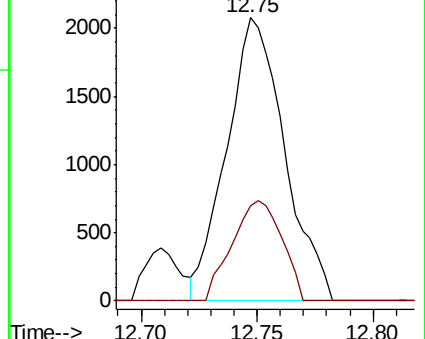
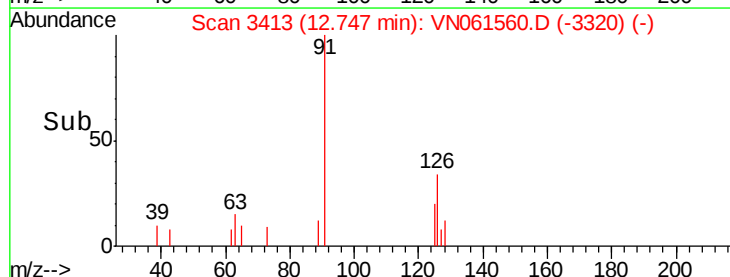
91 100

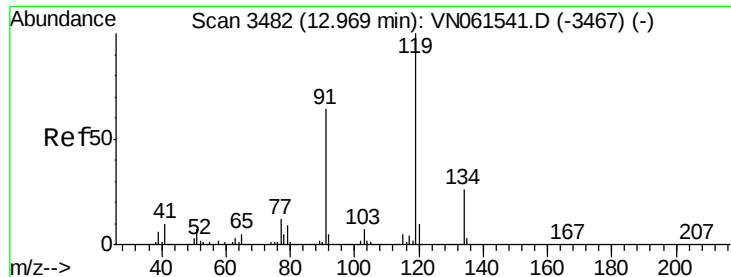
126 30.4 17.5 52.6



Abundance Ion 91.00 (90.70 to 91.70): VN061560.D (-3320) (-)

Ion 125.90 (125.60 to 126.60): VN061560.D (-3320) (-)

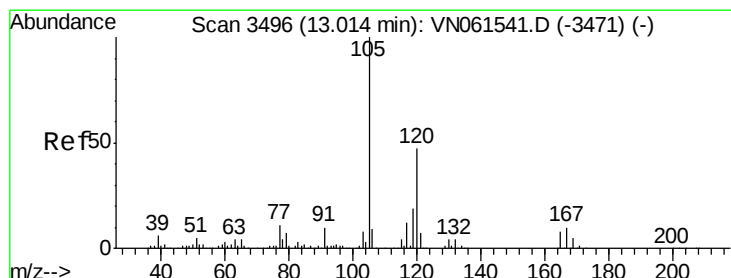
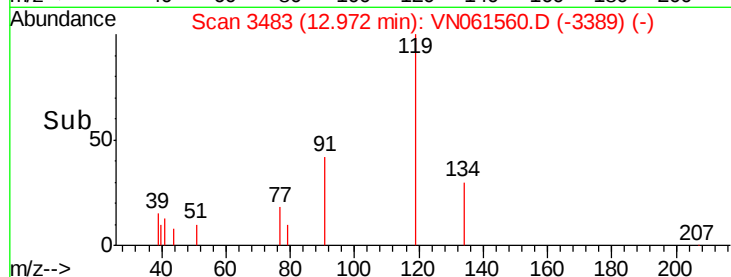
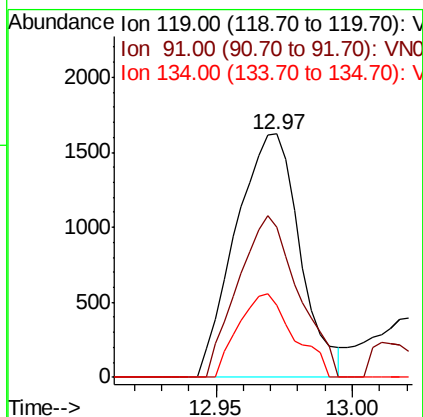
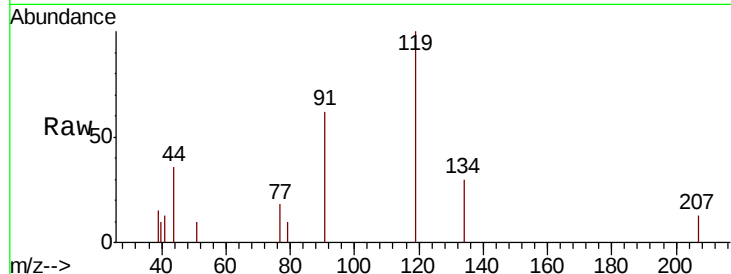




#83
 tert-Butylbenzene
 Concen: 0.236 ug/l
 RT: 12.97 min Scan# 3483
 Delta R.T. 0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

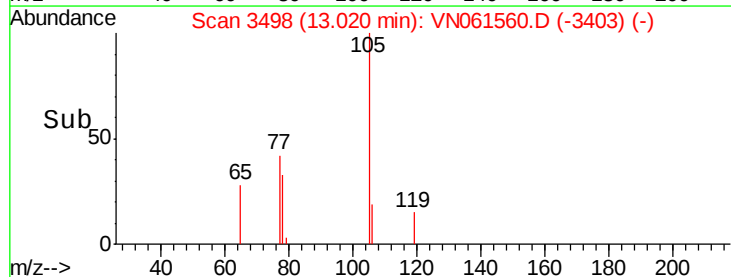
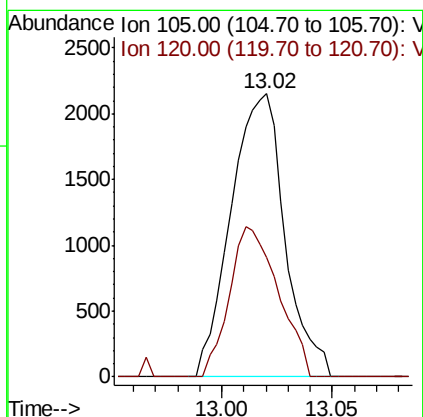
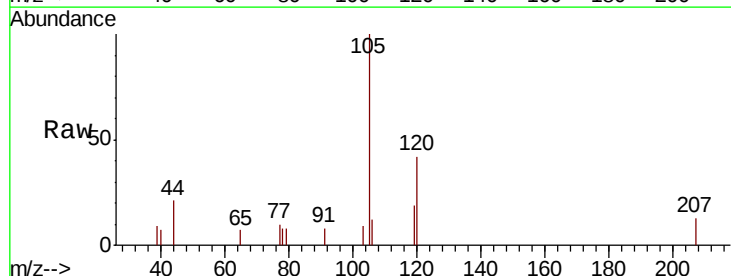
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:119 Resp: 2656
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.3 93.8
 134 29.4 13.5 40.4



#84
 1,2,4-Trimethylbenzene
 Concen: 0.288 ug/l
 RT: 13.02 min Scan# 3498
 Delta R.T. 0.01 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion:105 Resp: 3644
 Ion Ratio Lower Upper
 105 100
 120 48.1 23.2 69.5





#85

sec-Butylbenzene

Concen: 0.282 ug/l

RT: 13.15 min Scan# 3537

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

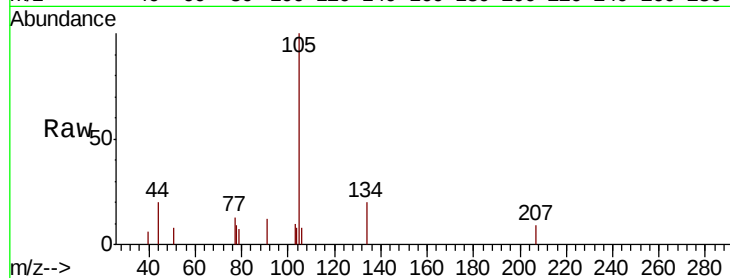
ClientSampleId :

Tot Ion:105 Resp: 4080

Ion Ratio Lower Upper

105 100

134 18.9 10.7 31.9

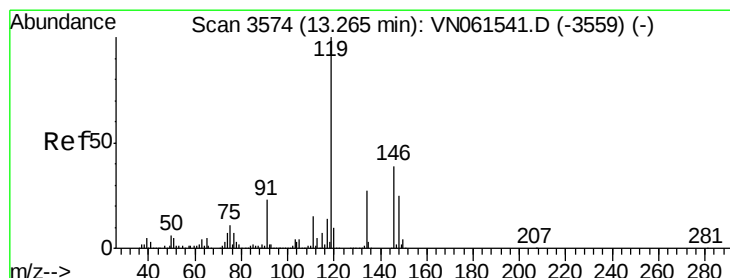
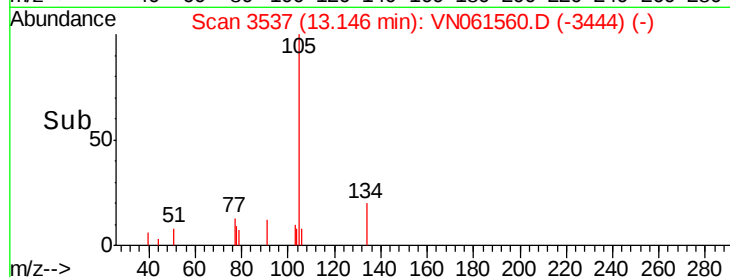


Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.15

Time-->



#86

p-Isopropyltoluene

Concen: 0.261 ug/l

RT: 13.26 min Scan# 3574

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

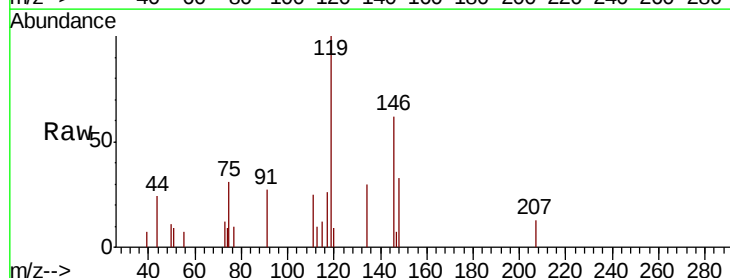
Tgt Ion:119 Resp: 3488

Ion Ratio Lower Upper

119 100

134 28.3 13.5 40.5

91 23.5 11.4 34.1



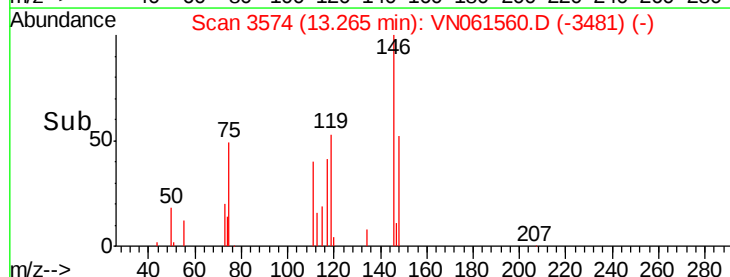
Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.26

Time-->





#87

1,3-Dichlorobenzene

Concen: 0.398 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampled :

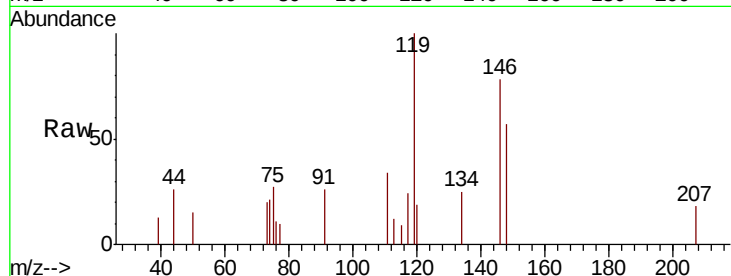
Tot Ion:146 Resp: 2739

Ion Ratio Lower Upper

146 100

111 39.0 19.2 57.6

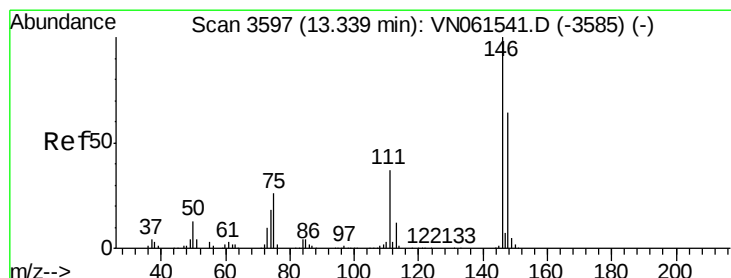
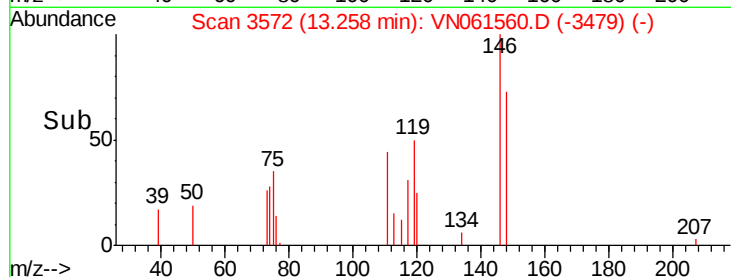
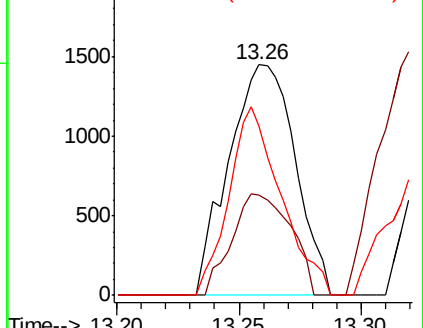
148 64.0 31.7 95.1



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



#88

1,4-Dichlorobenzene

Concen: 0.391 ug/l

RT: 13.26 min Scan# 3572

Delta R.T. -0.08 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

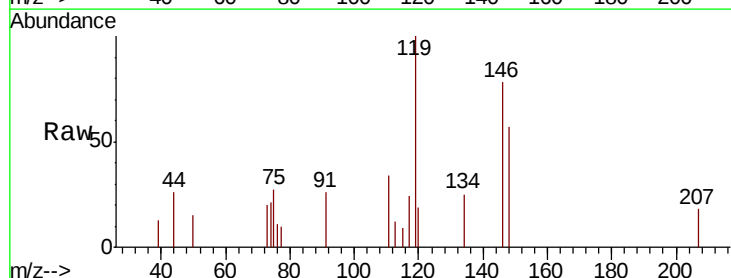
Tgt Ion:146 Resp: 2739

Ion Ratio Lower Upper

146 100

111 39.0 18.9 56.9

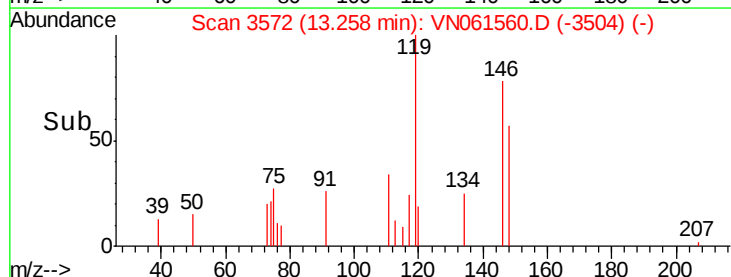
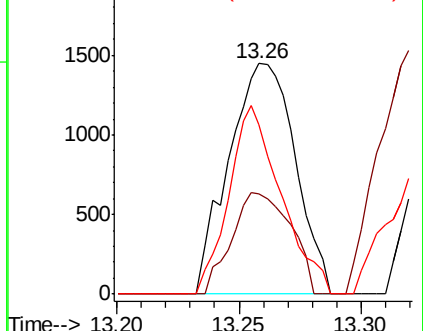
148 64.0 31.8 95.3



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

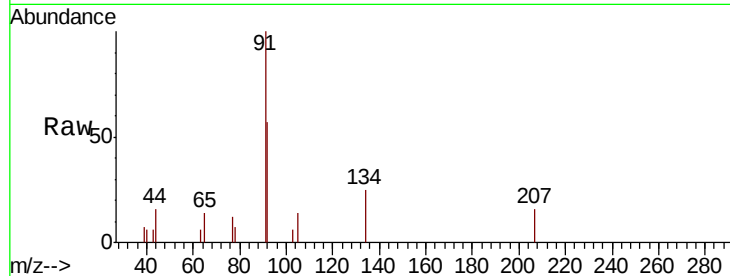




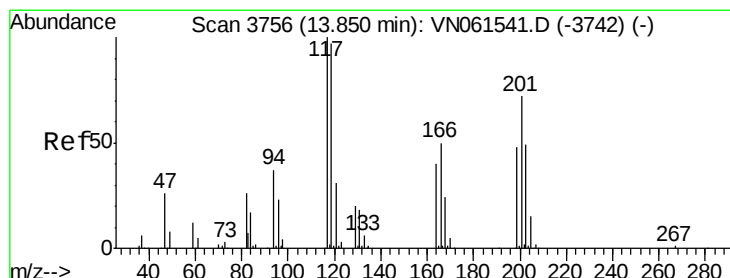
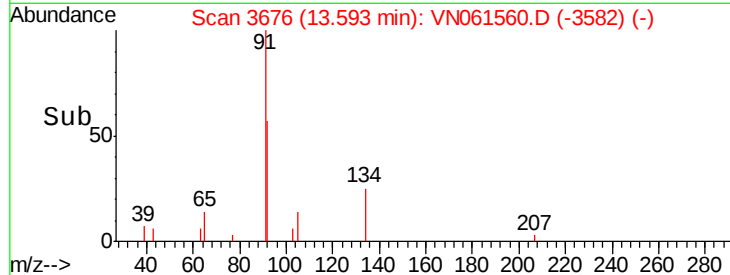
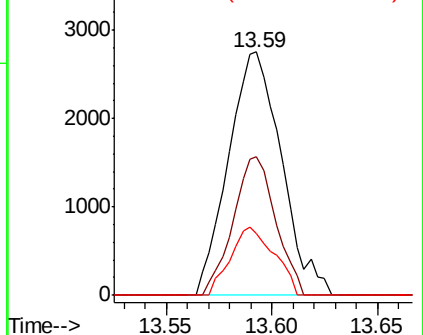
#89
n-Butylbenzene
Concen: 0.430 ug/l
RT: 13.59 min Scan# 3676
Delta R.T. 0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 91 Resp: 4807
Ion Ratio Lower Upper
91 100
92 45.5 27.2 81.6
134 23.0 14.0 42.0

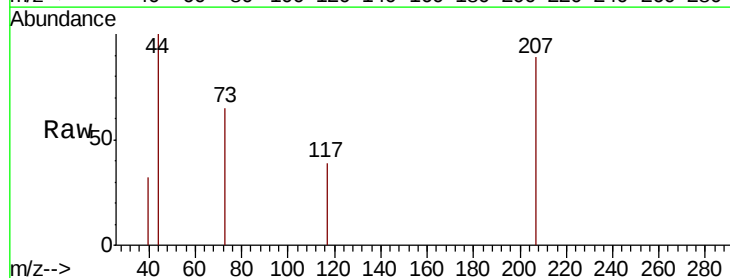


Abundance Ion 91.00 (90.70 to 91.70): VN061541.D (-3661) (-)
Ion 92.00 (91.70 to 92.70): VN061541.D (-3661) (-)
Ion 134.00 (133.70 to 134.70): VN061541.D (-3661) (-)

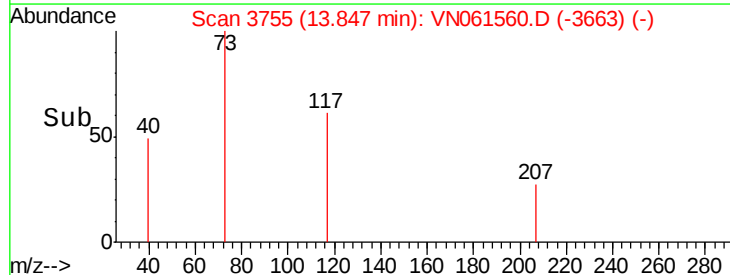
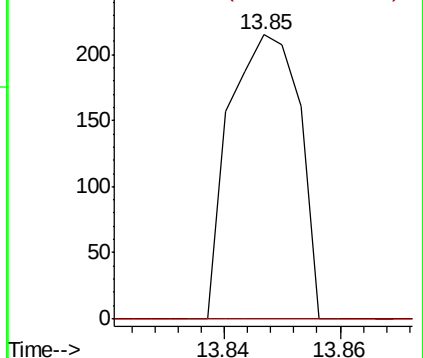


#90
Hexachloroethane
Concen: 0.121 ug/l
RT: 13.85 min Scan# 3755
Delta R.T. -0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion: 117 Resp: 179
Ion Ratio Lower Upper
117 100
201 0.0 36.7 110.1#



Abundance Ion 116.80 (116.50 to 117.50): VN061541.D (-3742) (-)
Ion 200.70 (200.40 to 201.40): VN061541.D (-3742) (-)





#91

1,2-Dichlorobenzene

Concen: 0.362 ug/l

RT: 13.63 min Scan# 3688

Delta R.T. 0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

Instrument :

MSVOA_N

ClientSampleId :

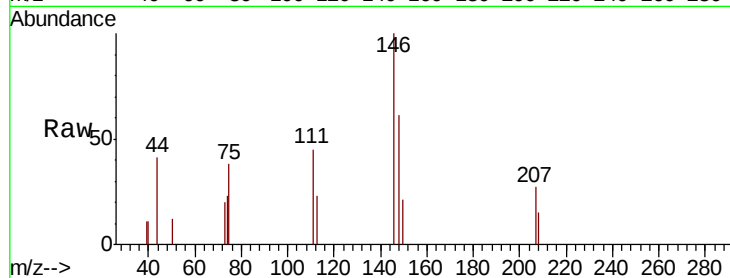
Tot Ion:146 Resp: 2382

Ion Ratio Lower Upper

146 100

111 40.7 20.1 60.2

148 66.8 31.9 95.5



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

13.63

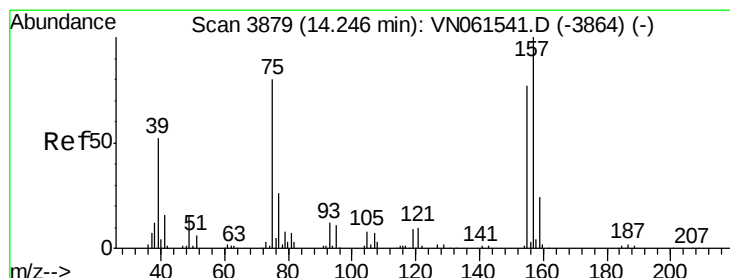
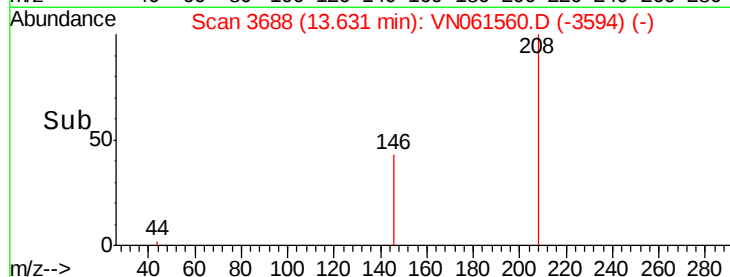
1500

1000

500

0

Time-->



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.306 ug/l

RT: 14.24 min Scan# 3878

Delta R.T. -0.00 min

Lab File: VN061560.D

Acq: 29 May 2020 12:28

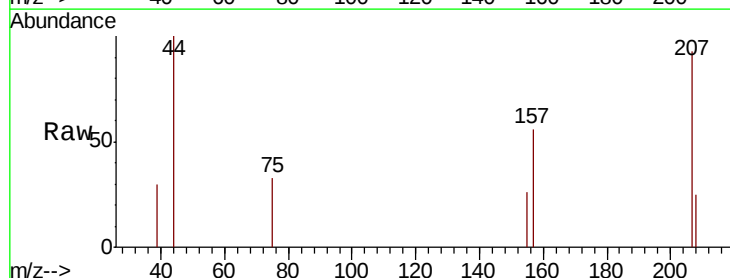
Tgt Ion: 75 Resp: 266

Ion Ratio Lower Upper

75 100

155 108.6 47.1 141.4

157 150.8 60.3 180.8



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

500

400

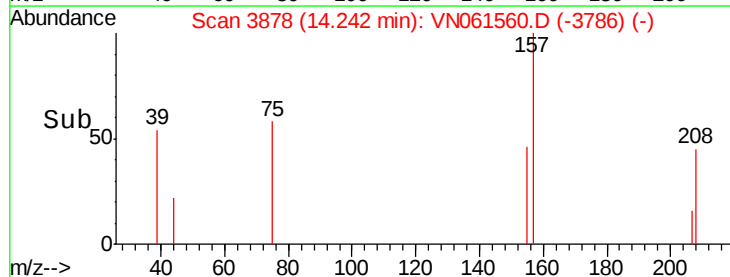
300

200

100

0

Time-->

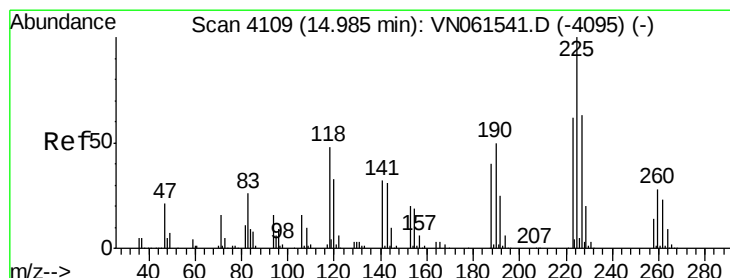
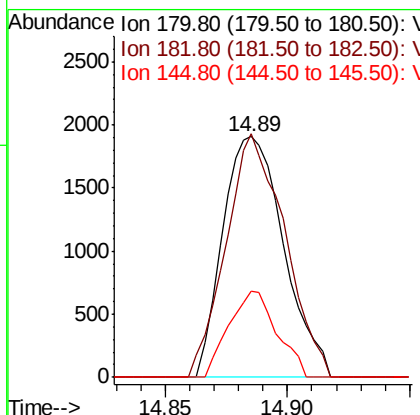
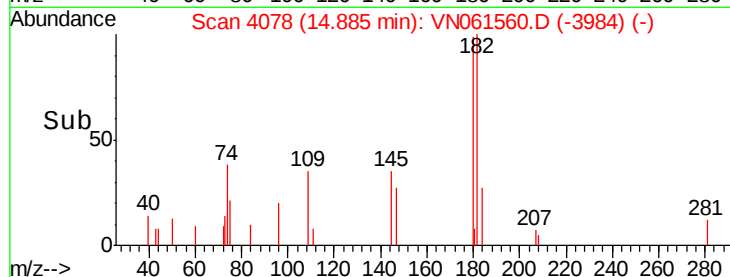
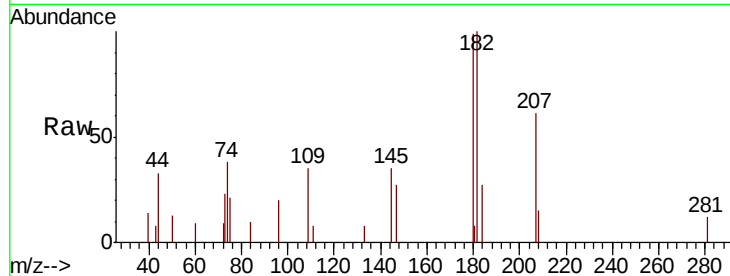




#93
 1,2,4-Trichlorobenzene
 Concen: 0.859 ug/l
 RT: 14.89 min Scan# 4078
 Delta R.T. 0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

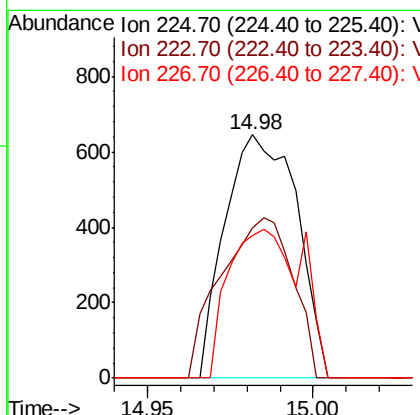
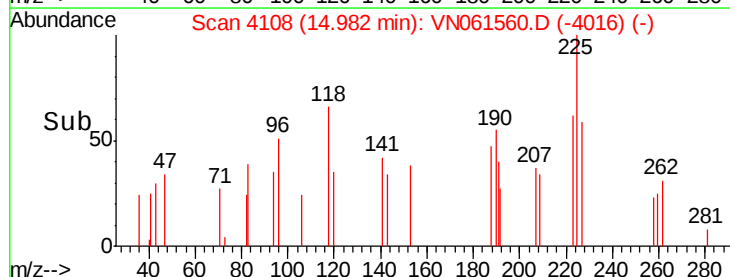
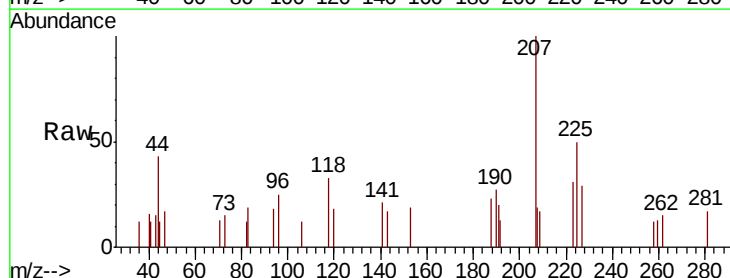
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 3302
 Ion Ratio Lower Upper
 180 100
 182 97.7 47.8 143.3
 145 28.2 15.5 46.5



#94
 Hexachlorobutadiene
 Concen: 0.592 ug/l
 RT: 14.98 min Scan# 4108
 Delta R.T. -0.00 min
 Lab File: VN061560.D
 Acq: 29 May 2020 12:28

Tgt Ion:225 Resp: 971
 Ion Ratio Lower Upper
 225 100
 223 66.2 31.9 95.5
 227 62.6 31.9 95.9

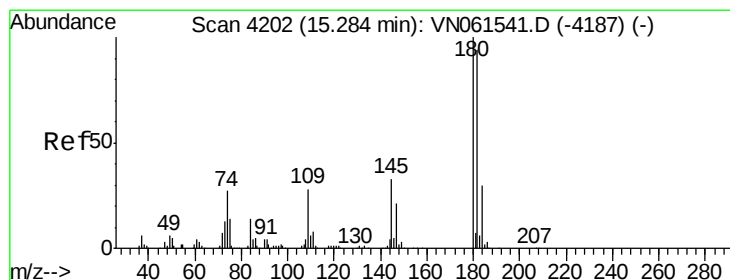
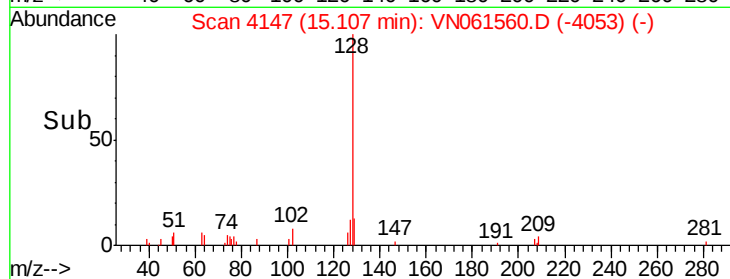
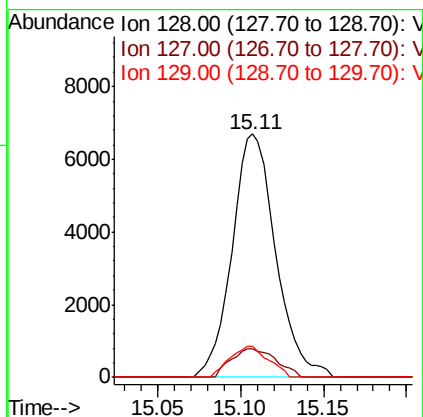
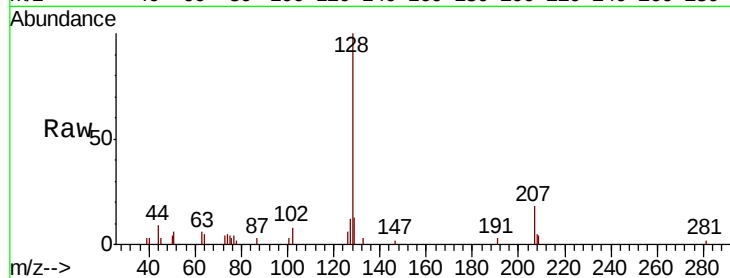




#95
Naphthalene
Concen: 1.046 ug/l
RT: 15.11 min Scan# 4147
Delta R.T. 0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 12250
Ion Ratio Lower Upper
128 100
127 12.1 10.0 15.0
129 11.3 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 0.904 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. 0.00 min
Lab File: VN061560.D
Acq: 29 May 2020 12:28

Tgt Ion:180 Resp: 3419
Ion Ratio Lower Upper
180 100
182 99.3 47.1 141.3
145 28.8 16.3 48.9

