

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN022020\
 Data File : VN060165.D
 Acq On : 20 Feb 2020 12:07
 Operator : JC/MD
 Sample : VN0220MBS01
 Misc : 5.00µg/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Feb 21 02:22:15 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N021220W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 12 14:12:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	182898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.56	114	286012	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	265929	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	126723	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	108881	48.92	ug/l	0.00
Spiked Amount			Recovery	=	97.84%	
35) Dibromofluoromethane	7.56	113	83784	47.66	ug/l	0.00
Spiked Amount			Recovery	=	95.32%	
50) Toluene-d8	10.08	98	326037	47.09	ug/l	0.00
Spiked Amount			Recovery	=	94.18%	
62) 4-Bromofluorobenzene	12.40	95	115641	45.46	ug/l	0.00
Spiked Amount			Recovery	=	90.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	33551	18.352	ug/l	98
3) Chloromethane	2.04	50	38990	17.921	ug/l	96
4) Vinyl Chloride	2.17	62	44463	17.930	ug/l	97
5) Bromomethane	2.55	94	28164	18.522	ug/l	96
6) Chloroethane	2.69	64	23017	18.351	ug/l	96
7) Trichlorofluoromethane	3.00	101	58421	18.272	ug/l	100
8) Diethyl Ether	3.38	74	20988	19.720	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.74	101	33534	18.892	ug/l	96
10) Methyl Iodide	3.93	142	43114	19.663	ug/l	98
11) Tert butyl alcohol	4.73	59	31671	95.096	ug/l	100
12) 1,1-Dichloroethene	3.72	96	31545	18.242	ug/l	96
13) Acrolein	3.58	56	25657	77.939	ug/l	93
14) Allyl chloride	4.29	41	46345	18.209	ug/l	96
15) Acrylonitrile	4.94	53	81124	99.742	ug/l	98
16) Acetone	3.78	43	79281	81.668	ug/l	97
17) Carbon Disulfide	4.03	76	89367	17.146	ug/l	100
18) Methyl Acetate	4.29	43	36765	20.161	ug/l	98
19) Methyl tert-butyl Ether	5.00	73	110371	18.979	ug/l	99
20) Methylene Chloride	4.52	84	36427	18.808	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	34742	18.431	ug/l	99
22) Diisopropyl ether	5.91	45	108090	19.378	ug/l	97
23) Vinyl Acetate	5.86	43	448303	95.705	ug/l	100
24) 1,1-Dichloroethane	5.82	63	63666	18.841	ug/l	98
25) 2-Butanone	6.80	43	109734	89.878	ug/l	98
26) 2,2-Dichloropropane	6.79	77	57389	17.881	ug/l	97
27) cis-1,2-Dichloroethene	6.80	96	40617	18.412	ug/l	99
28) Bromochloromethane	7.17	49	24844	18.702	ug/l	98
29) Tetrahydrofuran	7.18	42	71180	95.032	ug/l	98
30) Chloroform	7.35	83	66629	18.824	ug/l	97
31) Cyclohexane	7.63	56	58010	18.429	ug/l	98
32) 1,1,1-Trichloroethane	7.54	97	59695	18.455	ug/l	99
36) 1,1-Dichloropropene	7.77	75	48578	18.337	ug/l	98
37) Ethyl Acetate	6.89	43	44915	18.760	ug/l	98
38) Carbon Tetrachloride	7.75	117	52275	18.169	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	59196	18.001	ug/l	99
40) Benzene	8.02	78	145997	18.578	ug/l	99
41) Methacrylonitrile	7.17	41	66152	65.884	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	53442	19.403	ug/l	99
43) Isopropyl Acetate	8.14	43	78456	19.170	ug/l #	92
44) Trichloroethene	8.82	130	40469	18.598	ug/l	99
45) 1,2-Dichloropropane	9.10	63	38403	19.739	ug/l	96
46) Dibromomethane	9.19	93	26360	19.173	ug/l	99
47) Bromodichloromethane	9.38	83	52590	18.814	ug/l	94
48) Methyl methacrylate	9.18	41	33382	18.179	ug/l	98
49) 1,4-Dioxane	9.18	88	12512	398.794	ug/l	99
51) 4-Methyl-2-Pentanone	9.97	43	226548	95.632	ug/l	98
52) Toluene	10.14	92	92989	18.453	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	59213	18.767	ug/l	98
54) cis-1,3-Dichloropropene	9.82	75	62332	18.761	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	37228	18.936	ug/l	99
56) Ethyl methacrylate	10.42	69	52957	19.042	ug/l	99
57) 1,3-Dichloropropane	10.70	76	61803	19.052	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	123286	95.155	ug/l	99
59) 2-Hexanone	10.74	43	166755	91.125	ug/l	98
60) Dibromochloromethane	10.89	129	41889	18.567	ug/l	99
61) 1,2-Dibromoethane	10.99	107	38357	18.612	ug/l	98
64) Tetrachloroethene	10.62	164	37522	18.561	ug/l	98
65) Chlorobenzene	11.43	112	100781	18.602	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	38359	18.716	ug/l	98
67) Ethyl Benzene	11.50	91	178961	18.314	ug/l	98
68) m/p-Xylenes	11.61	106	133721	36.462	ug/l	100
69) o-Xylene	11.94	106	65533	18.559	ug/l	100
70) Styrene	11.96	104	103328	18.146	ug/l	99
71) Bromoform	12.12	173	30606	18.566	ug/l #	97
73) Isopropylbenzene	12.24	105	176410	18.642	ug/l	100
74) N-amyl acetate	12.06	43	66060	19.359	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	53335	19.581	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	70278	28.987	ug/l #	100
77) Bromobenzene	12.52	156	44452	18.928	ug/l	99
78) n-propylbenzene	12.59	91	199629	18.516	ug/l	100
79) 2-Chlorotoluene	12.67	91	117415	18.528	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147580	18.757	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.29	75	18699	18.884	ug/l	97
82) 4-Chlorotoluene	12.77	91	121336	18.663	ug/l	99
83) tert-Butylbenzene	12.99	119	128029	18.394	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	146779	18.898	ug/l	99
85) sec-Butylbenzene	13.17	105	168648	18.296	ug/l	100
86) p-Isopropyltoluene	13.28	119	156052	18.685	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	78358	18.850	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	77288	18.596	ug/l	98
89) n-Butylbenzene	13.61	91	134637	18.328	ug/l	99
90) Hexachloroethane	13.87	117	28720	18.407	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	76204	18.732	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.26	75	11061	18.614	ug/l	95

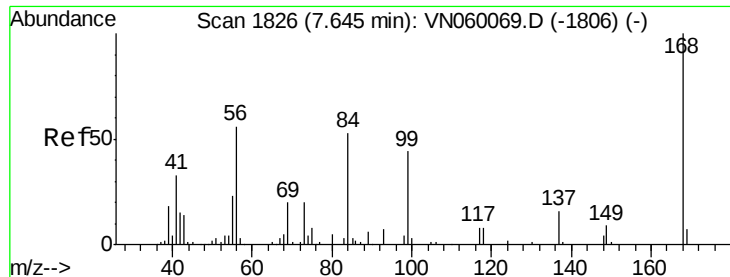
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Quant Title : SW846 8260
QLast Update : Wed Feb 12 14:12:21 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	45506	19.037	ug/l	98
94) Hexachlorobutadiene	15.01	225	25483	18.210	ug/l	98
95) Naphthalene	15.13	128	120528	18.666	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	44935	18.877	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

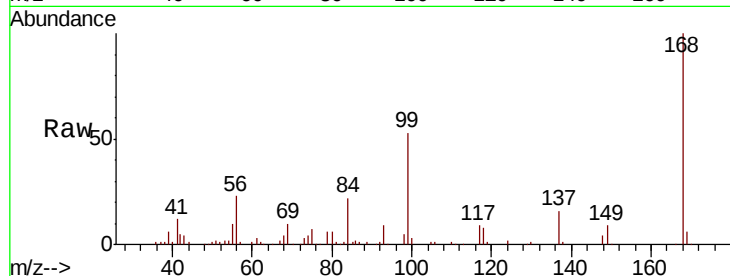
ClientSampled :

Tot Ion:168 Resp: 182898

Ion Ratio Lower Upper

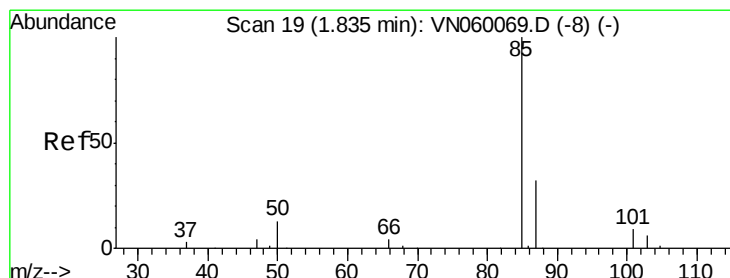
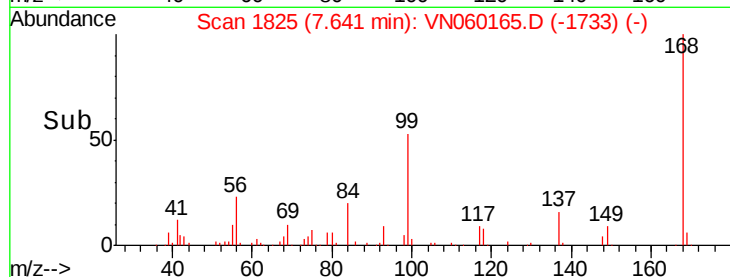
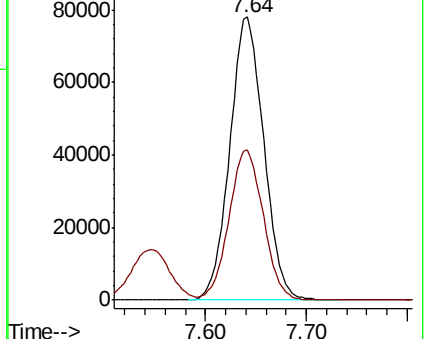
168 100

99 53.0 42.7 64.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 18.352 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN060165.D

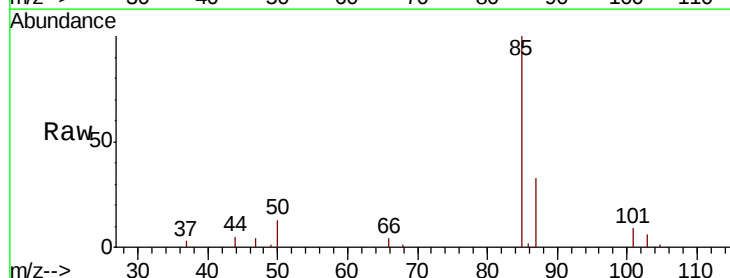
Acq: 20 Feb 2020 12:07

Tgt Ion: 85 Resp: 33551

Ion Ratio Lower Upper

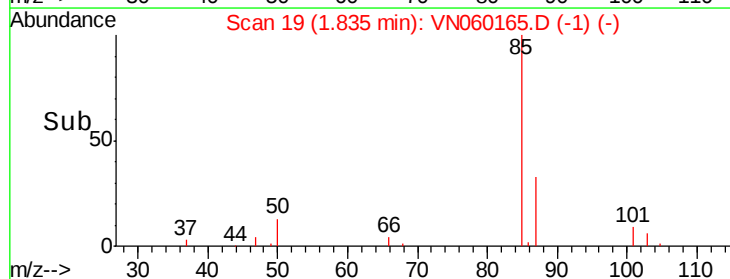
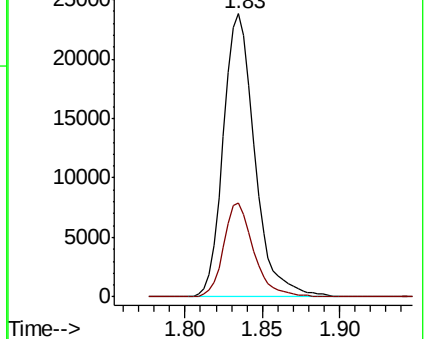
85 100

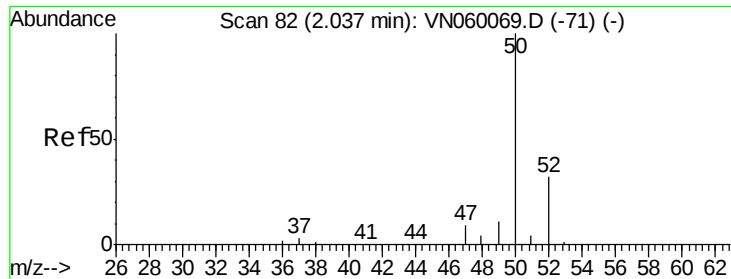
87 33.3 16.1 48.2



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 17.921 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

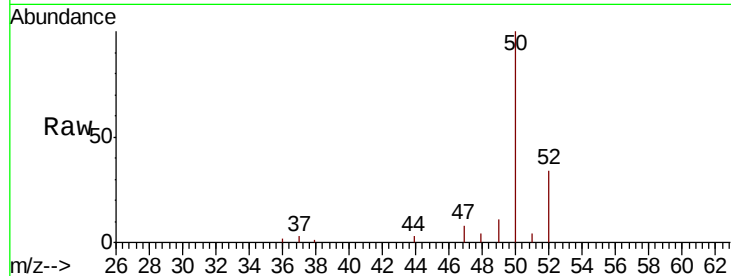
ClientSampleId :

Tot Ion: 50 Resp: 38990

Ion Ratio Lower Upper

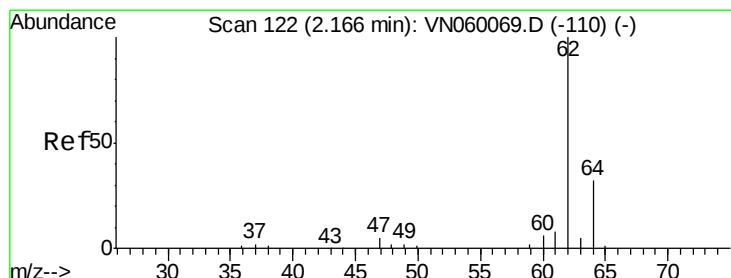
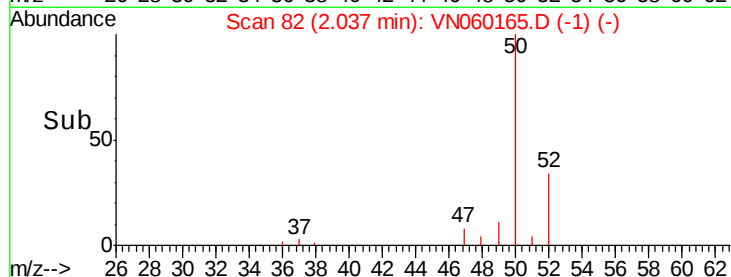
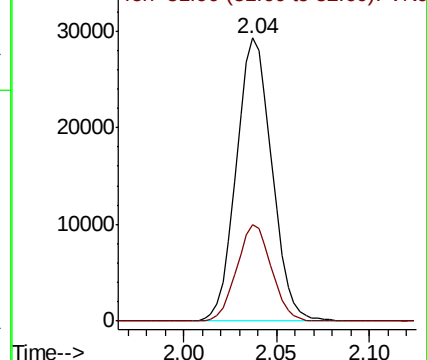
50 100

52 34.0 25.6 38.4



Abundance Ion 49.90 (49.60 to 50.60): VN060165.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN060165.D (-71) (-)



#4

Vinyl Chloride

Concen: 17.930 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN060165.D

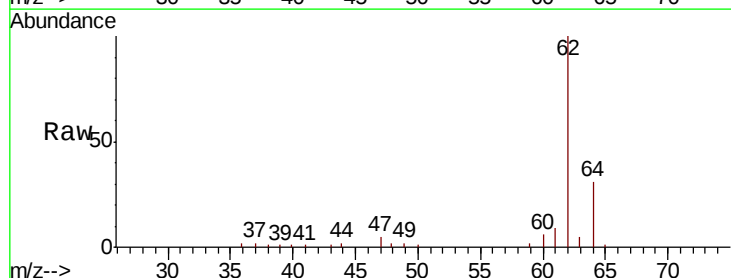
Acq: 20 Feb 2020 12:07

Tgt Ion: 62 Resp: 44463

Ion Ratio Lower Upper

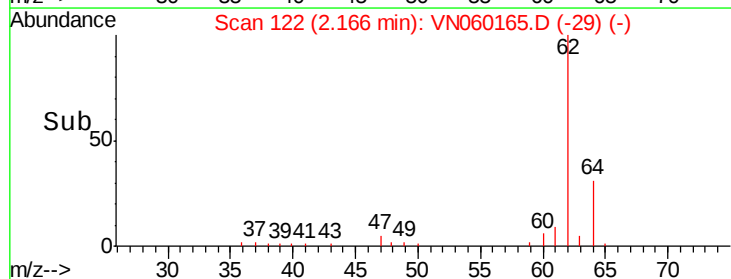
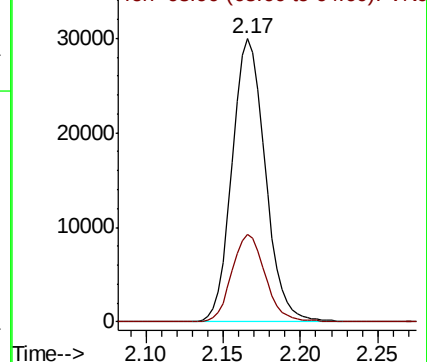
62 100

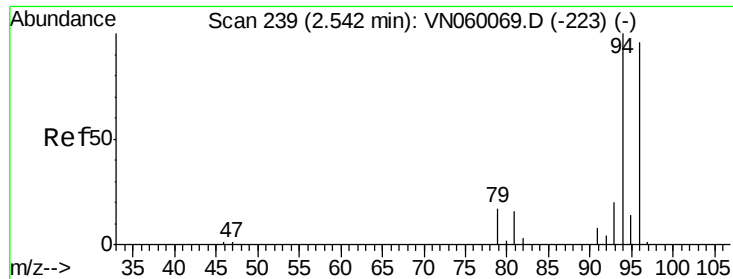
64 30.8 25.9 38.9



Abundance Ion 61.90 (61.60 to 62.60): VN060165.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN060165.D (-110) (-)

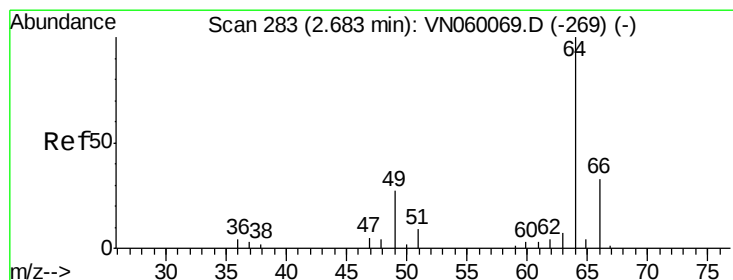
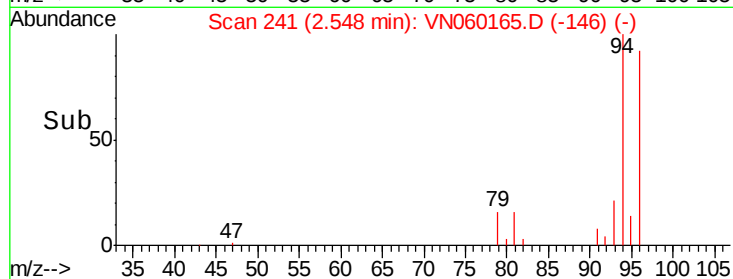
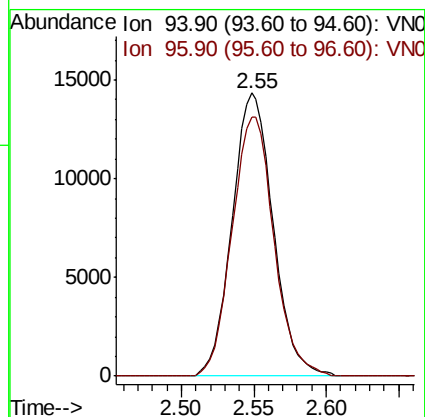
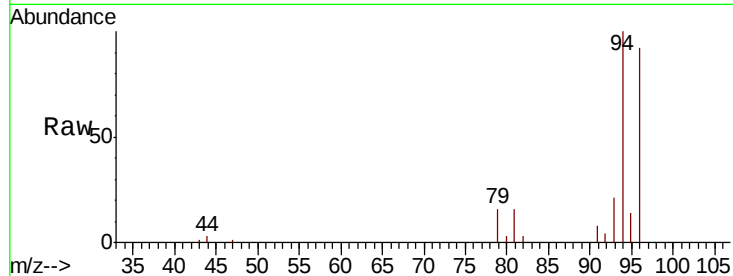




#5
Bromomethane
Concen: 18.522 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.01 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

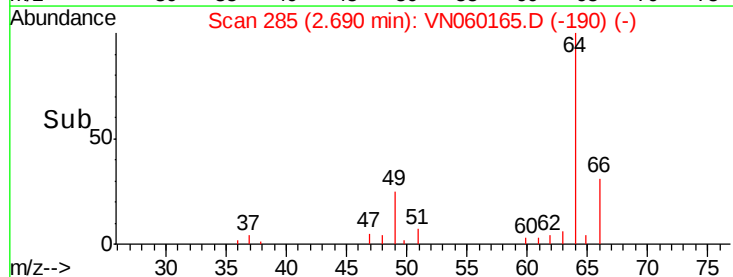
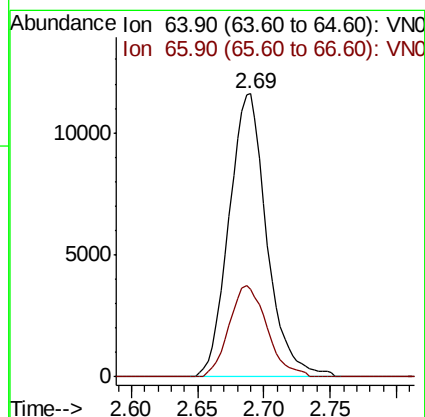
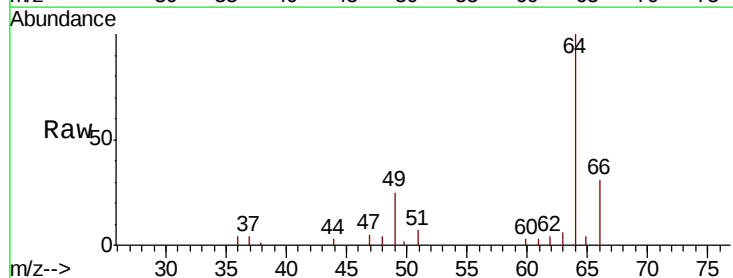
Instrument :
MSVOA_N
ClientSampleId :

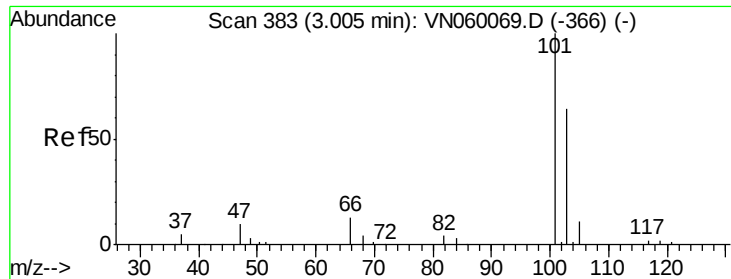
Tot Ion: 94 Resp: 28164
Ion Ratio Lower Upper
94 100
96 91.7 76.7 115.1



#6
Chloroethane
Concen: 18.351 ug/l
RT: 2.69 min Scan# 285
Delta R.T. 0.01 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 64 Resp: 23017
Ion Ratio Lower Upper
64 100
66 31.0 26.6 40.0



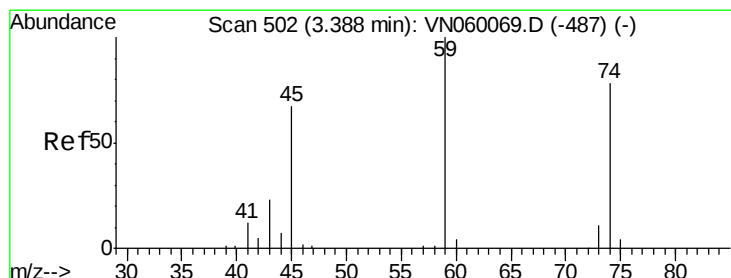
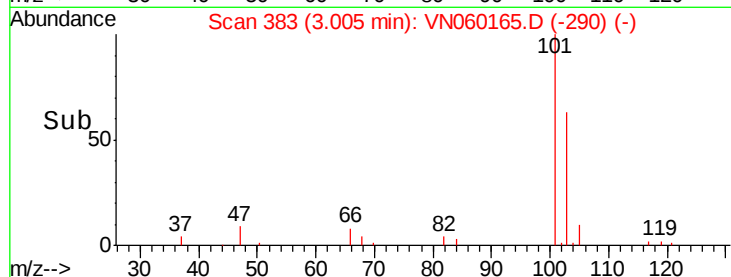
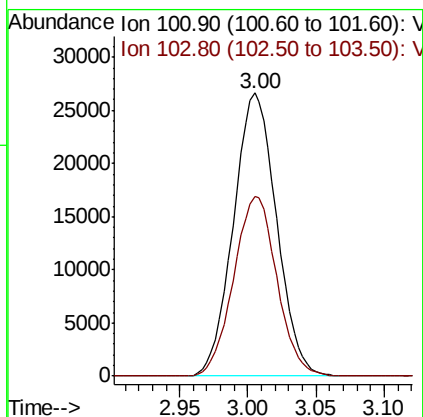
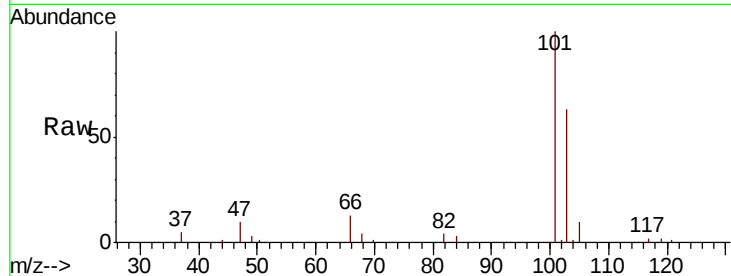


#7

Trichlorofluoromethane
 Concen: 18.272 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. 0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Instrument :
 MSVOA_N
 ClientSampled :

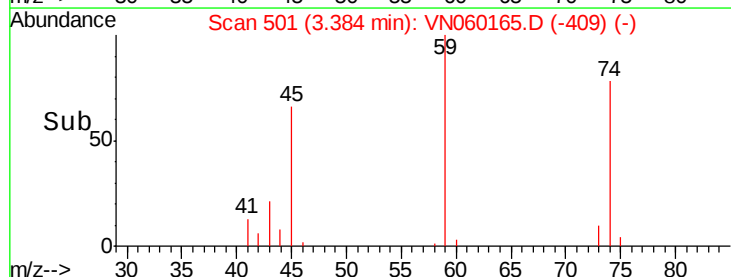
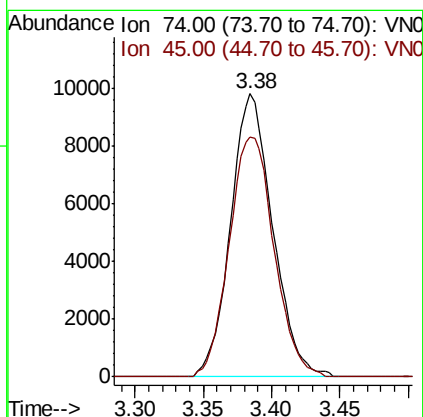
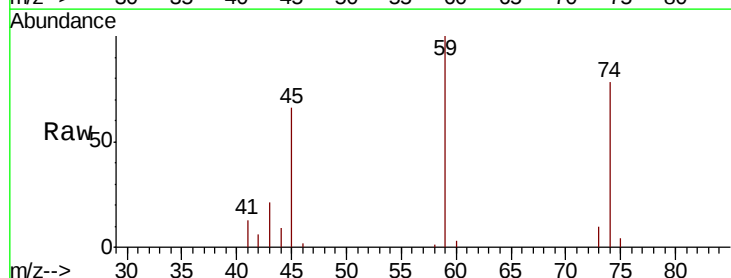
Tot Ion:101 Resp: 58421
 Ion Ratio Lower Upper
 101 100
 103 63.5 51.0 76.6

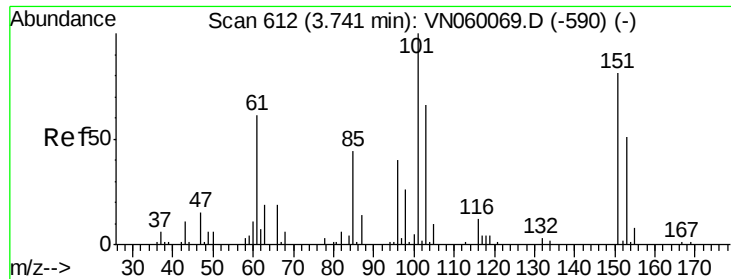


#8

Diethyl Ether
 Concen: 19.720 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion: 74 Resp: 20988
 Ion Ratio Lower Upper
 74 100
 45 90.4 44.7 134.1





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.892 ug/l

RT: 3.74 min Scan# 611

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampled :

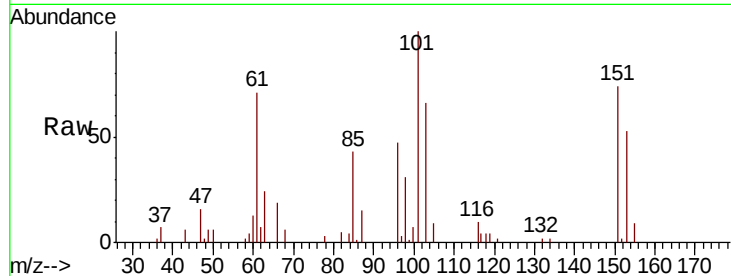
Tot Ion:101 Resp: 33534

Ion Ratio Lower Upper

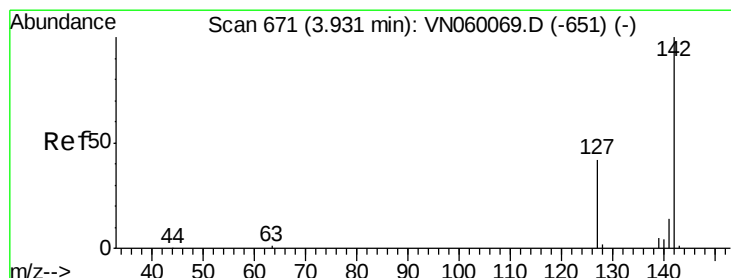
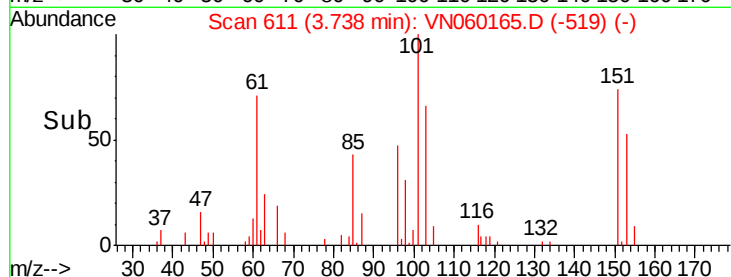
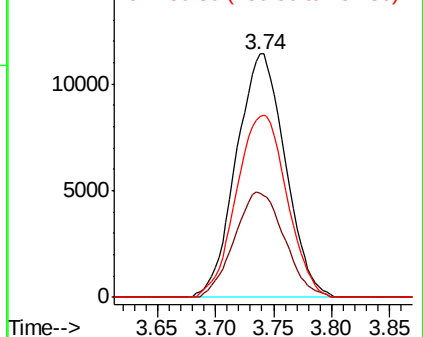
101 100

85 43.9 35.1 52.7

151 77.1 65.8 98.6



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.663 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

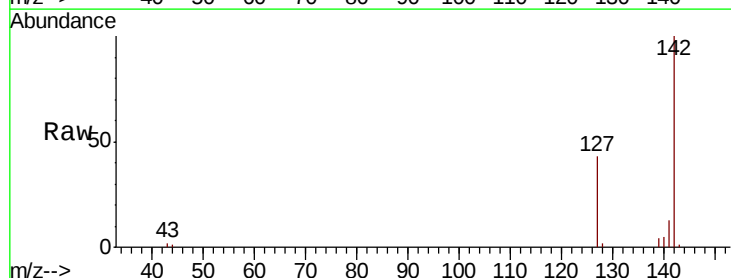
Tgt Ion:142 Resp: 43114

Ion Ratio Lower Upper

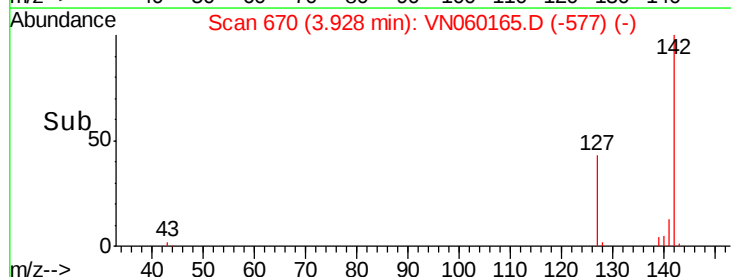
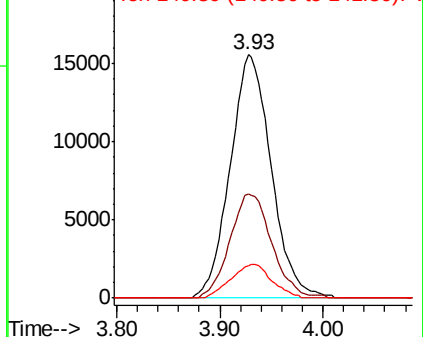
142 100

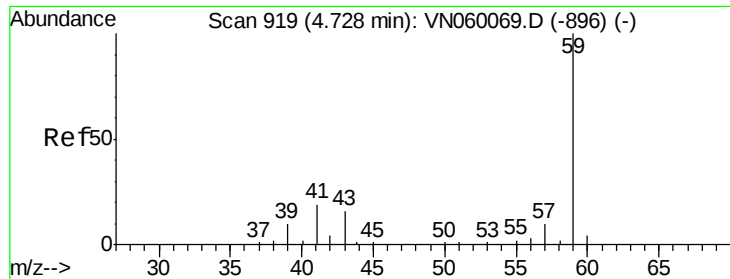
127 43.7 33.6 50.4

141 13.9 11.4 17.2



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



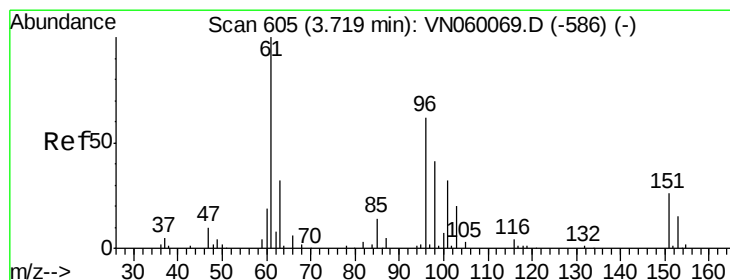
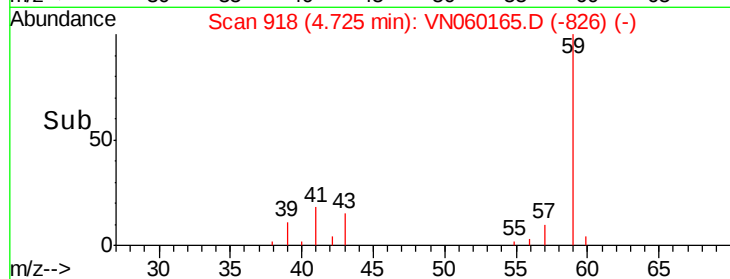
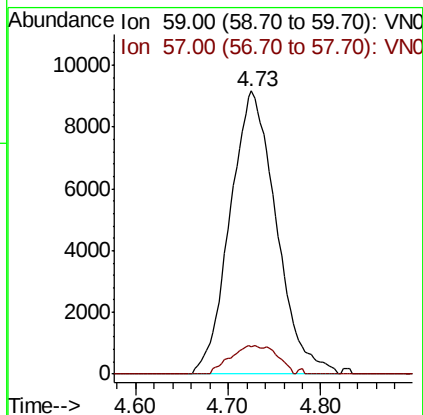
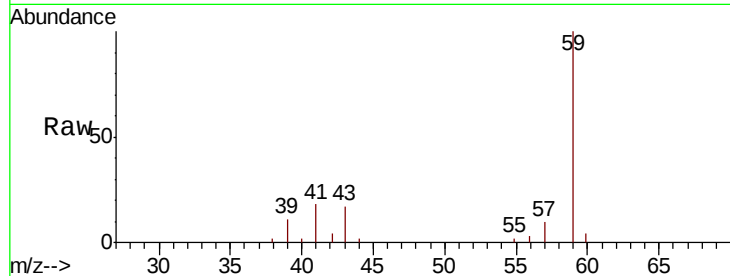


#11

Tert butyl alcohol
 Concen: 95.096 ug/l
 RT: 4.73 min Scan# 918
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Instrument :
 MSVOA_N
 ClientSampled :

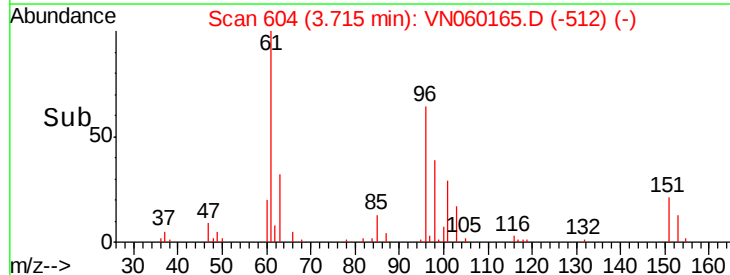
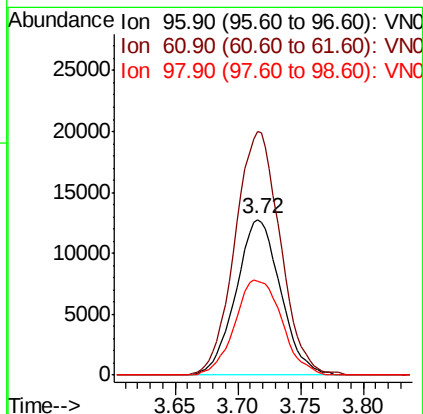
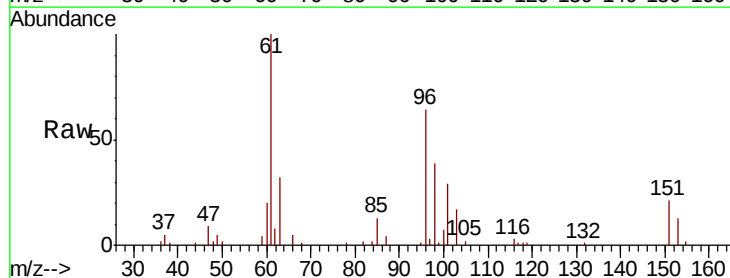
Tot Ion: 59 Resp: 31671
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.2 12.4

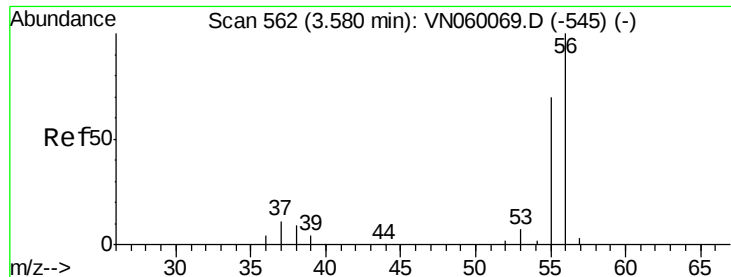


#12

1,1-Dichloroethene
 Concen: 18.242 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion: 96 Resp: 31545
 Ion Ratio Lower Upper
 96 100
 61 156.8 128.3 192.5
 98 60.8 52.2 78.4





#13

Acrolein

Concen: 77.939 ug/l

RT: 3.58 min Scan# 561

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

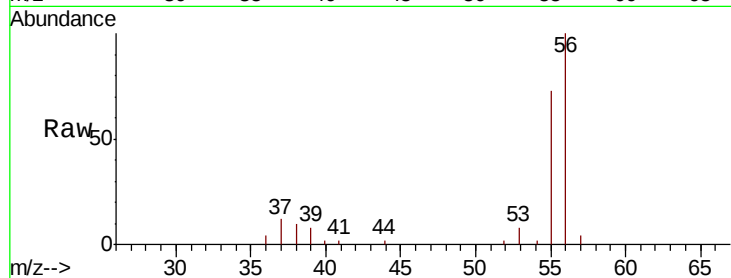
ClientSampled :

Tot Ion: 56 Resp: 25657

Ion Ratio Lower Upper

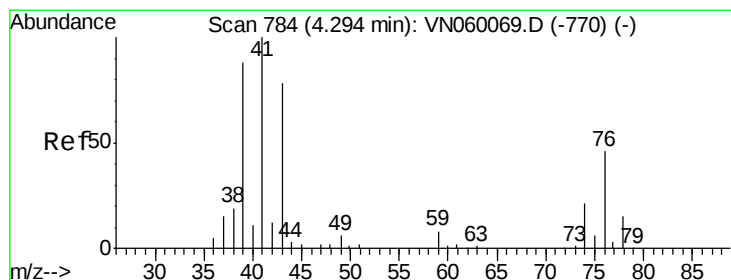
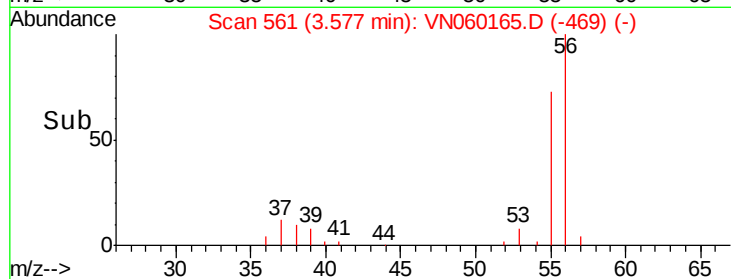
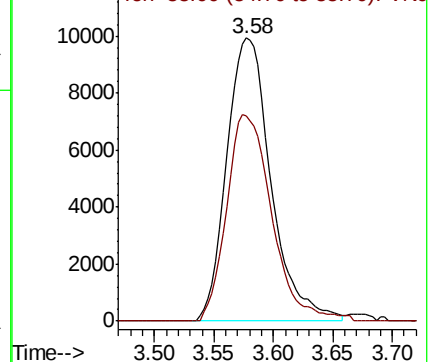
56 100

55 74.2 54.8 82.2



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 18.209 ug/l

RT: 4.29 min Scan# 783

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

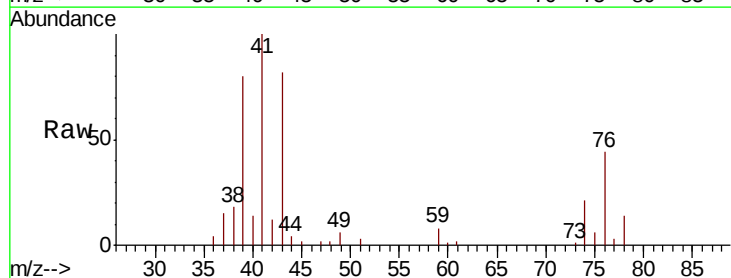
Tgt Ion: 41 Resp: 46345

Ion Ratio Lower Upper

41 100

39 80.3 67.8 101.8

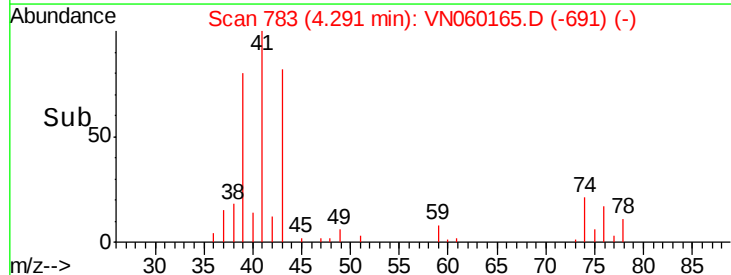
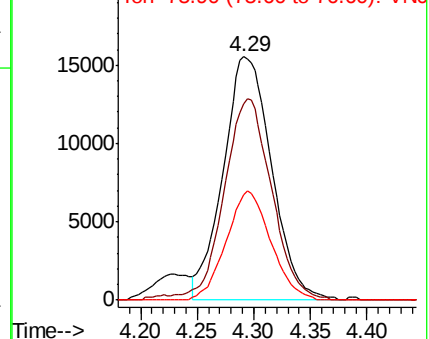
76 41.1 33.9 50.9

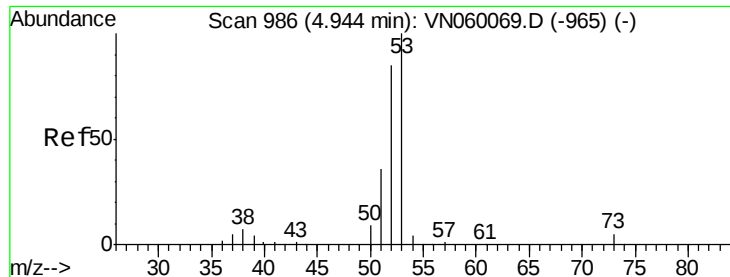


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 99.742 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampled :

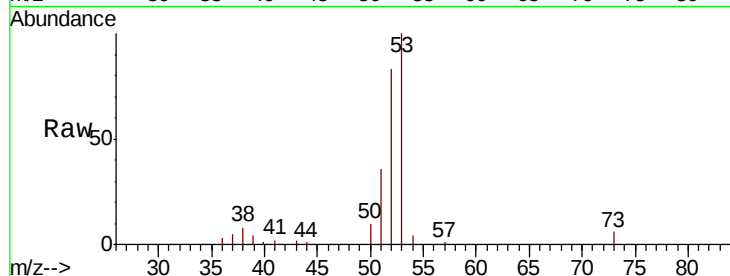
Tot Ion: 53 Resp: 81124

Ion Ratio Lower Upper

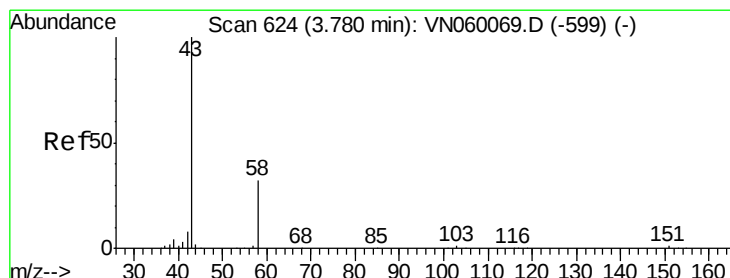
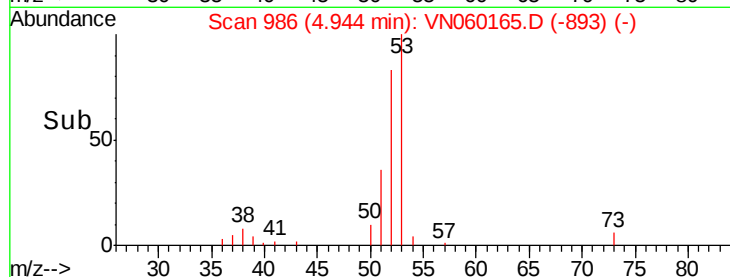
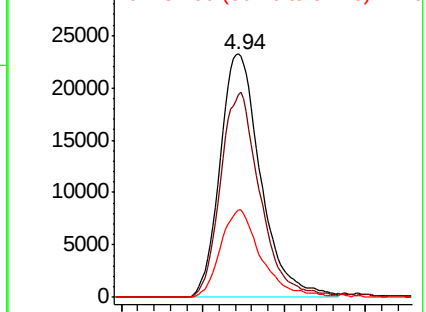
53 100

52 81.6 66.8 100.2

51 35.9 29.4 44.0



Abundance Ion 53.00 (52.70 to 53.70): VN0
Ion 52.00 (51.70 to 52.70): VN0
Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 81.668 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN060165.D

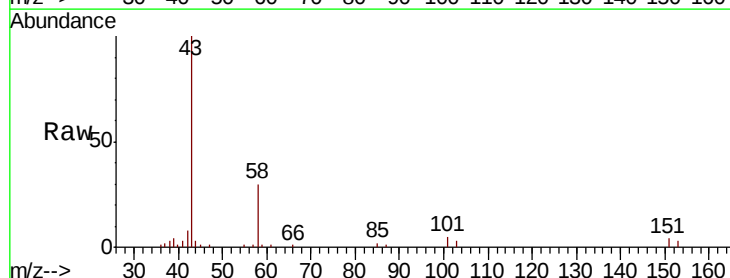
Acq: 20 Feb 2020 12:07

Tgt Ion: 43 Resp: 79281

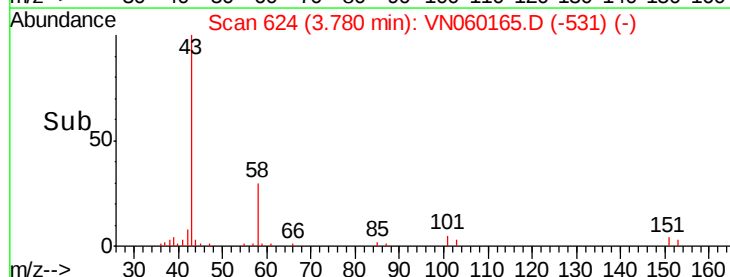
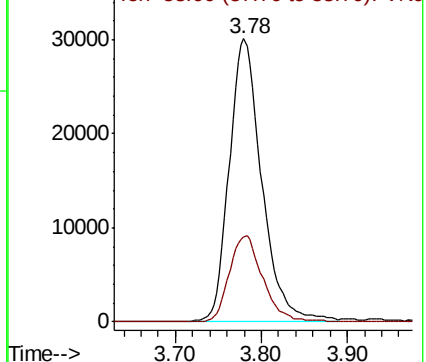
Ion Ratio Lower Upper

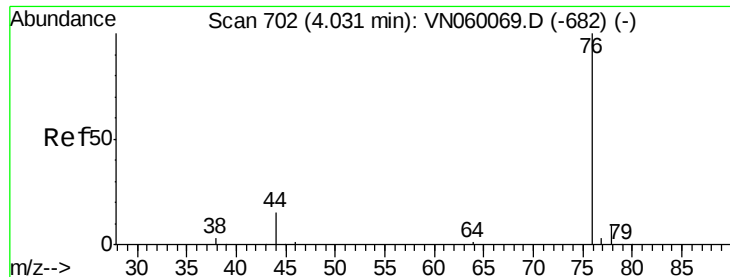
43 100

58 30.0 25.2 37.8



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

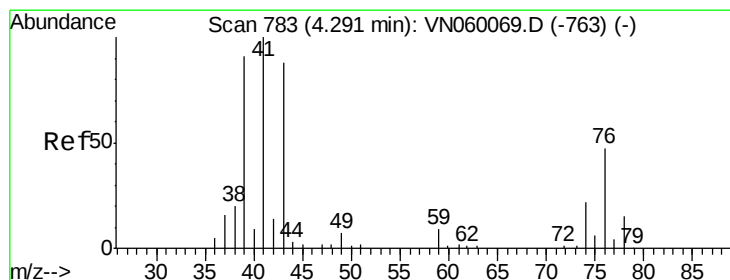
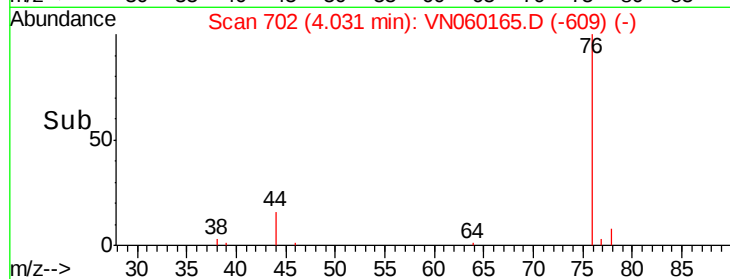
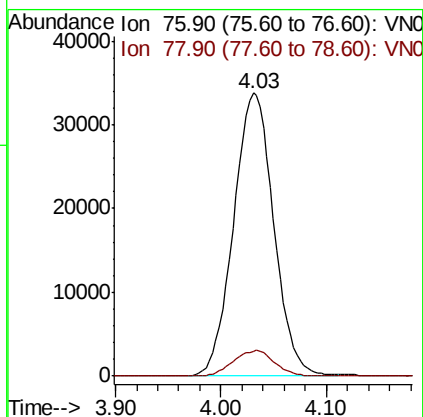
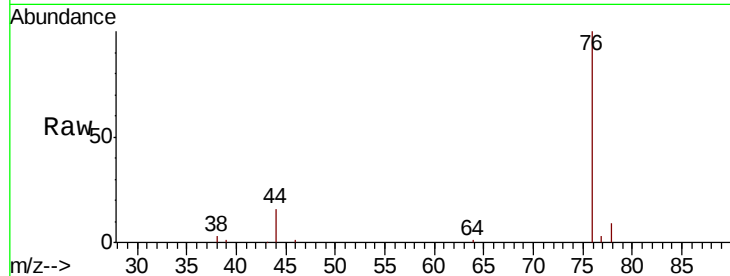




#17
Carbon Disulfide
Concen: 17.146 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

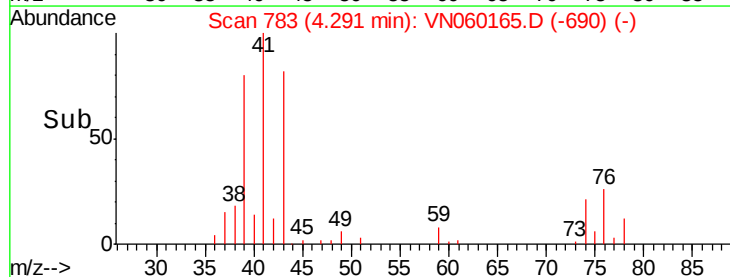
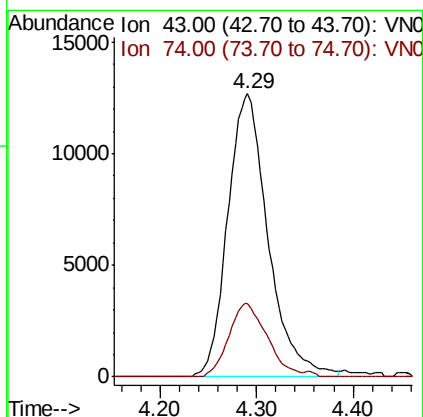
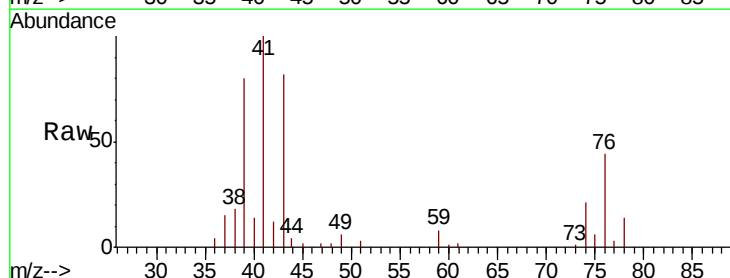
Instrument :
MSVOA_N
ClientSampleId :

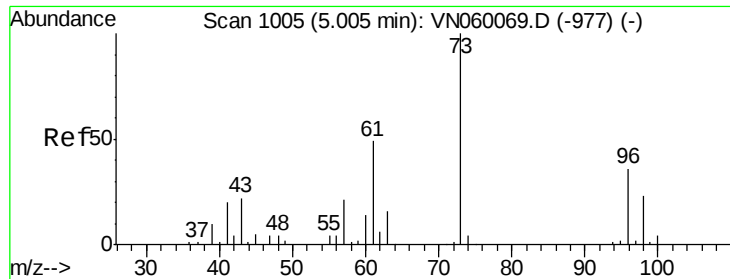
Tot Ion: 76 Resp: 89367
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 20.161 ug/l
RT: 4.29 min Scan# 783
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 43 Resp: 36765
Ion Ratio Lower Upper
43 100
74 24.5 20.3 30.5

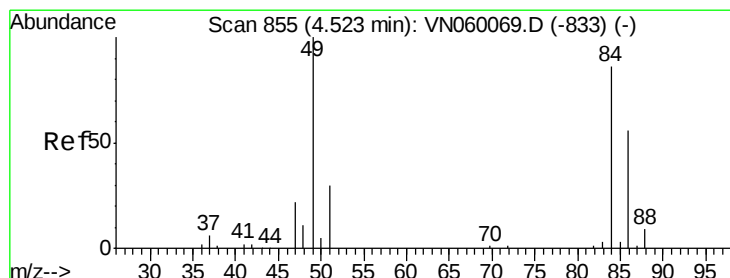
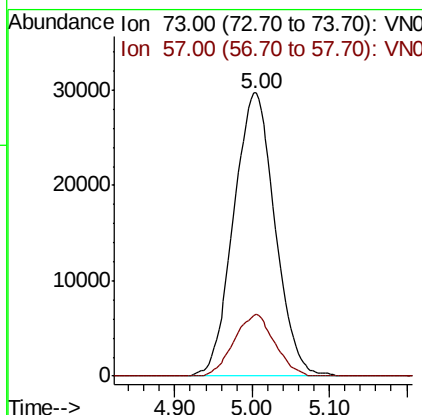
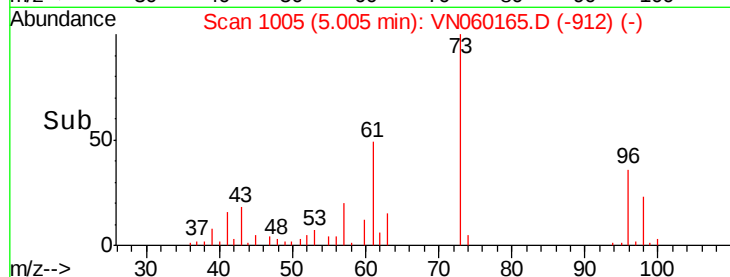
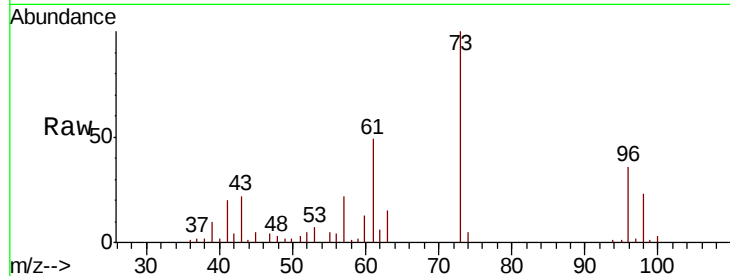




#19
Methvl tert-butvl Ether
Concen: 18.979 ug/l
RT: 5.00 min Scan# 1005
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

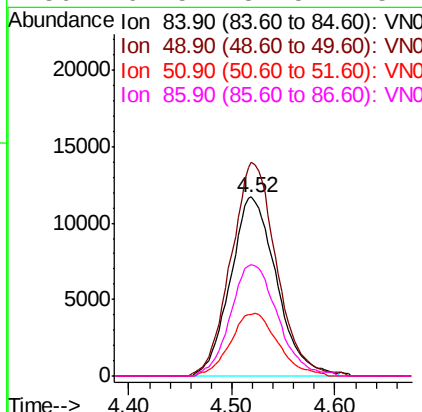
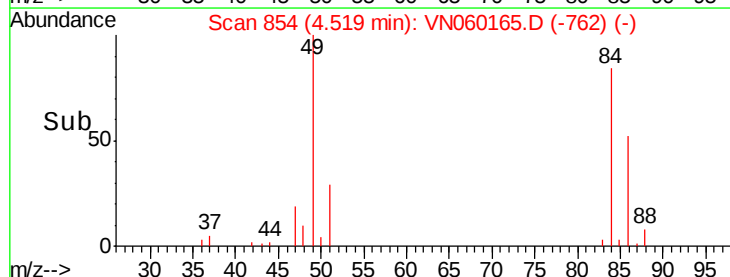
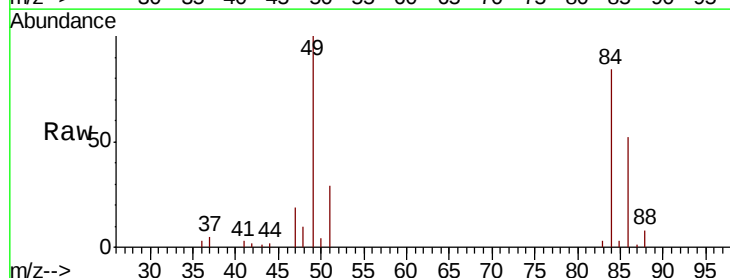
Instrument :
MSVOA_N
ClientSampleId :

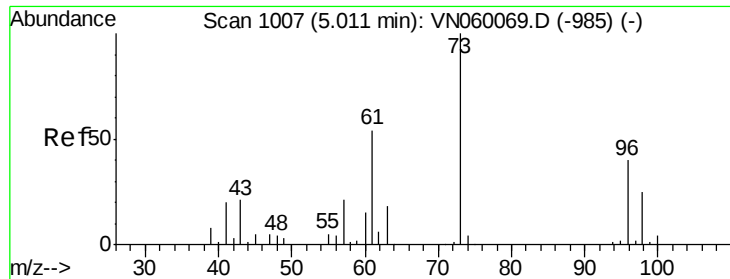
Tot Ion: 73 Resp: 110371
Ion Ratio Lower Upper
73 100
57 21.7 17.2 25.8



#20
Methylene Chloride
Concen: 18.808 ug/l
RT: 4.52 min Scan# 854
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 84 Resp: 36427
Ion Ratio Lower Upper
84 100
49 119.5 93.4 140.0
51 34.7 28.4 42.6
86 62.5 52.5 78.7





#21

trans-1,2-Dichloroethene

Concen: 18.431 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampled :

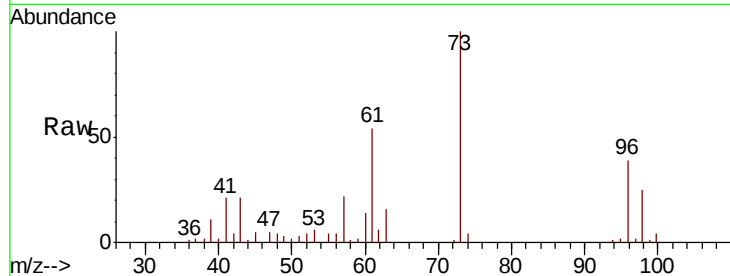
Tot Ion: 96 Resp: 34742

Ion Ratio Lower Upper

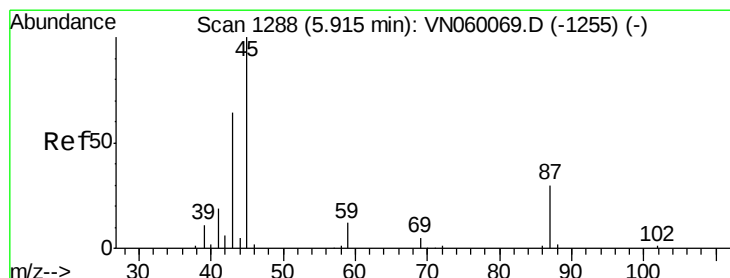
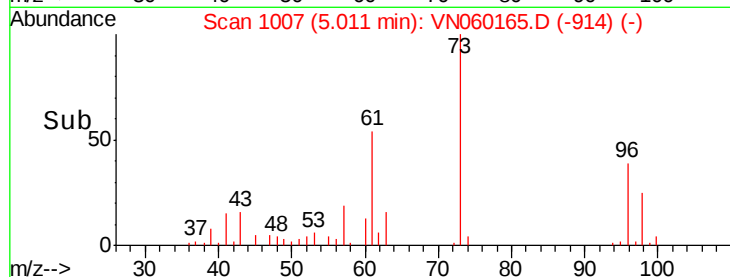
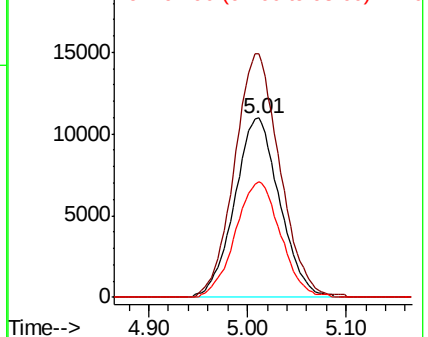
96 100

61 135.9 109.3 163.9

98 64.4 51.0 76.6



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



#22

Diisopropyl ether

Concen: 19.378 ug/l

RT: 5.91 min Scan# 1287

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Tgt Ion: 45 Resp: 108090

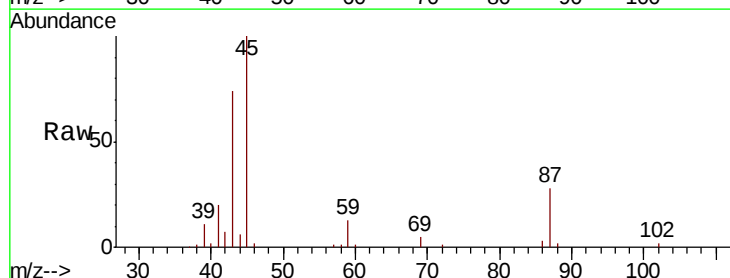
Ion Ratio Lower Upper

45 100

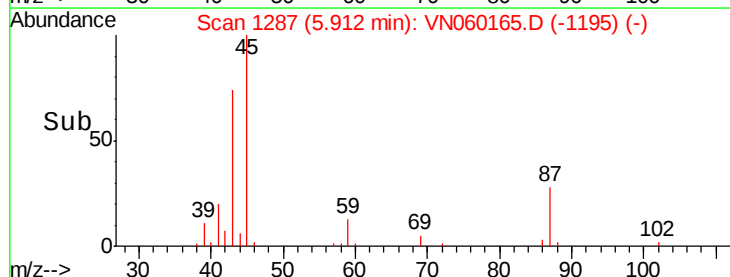
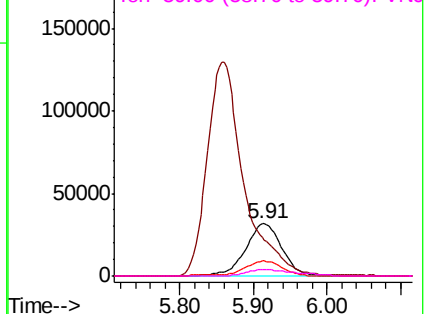
43 72.3 55.9 83.9

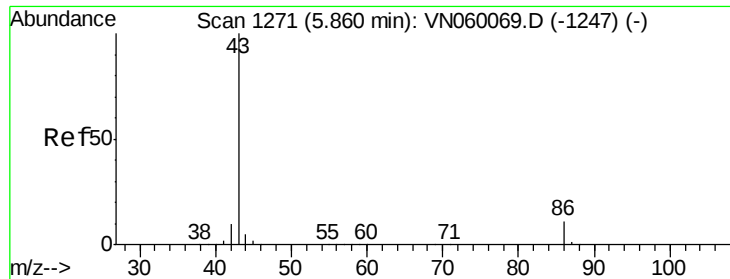
87 28.5 24.5 36.7

59 12.6 9.9 14.9



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0

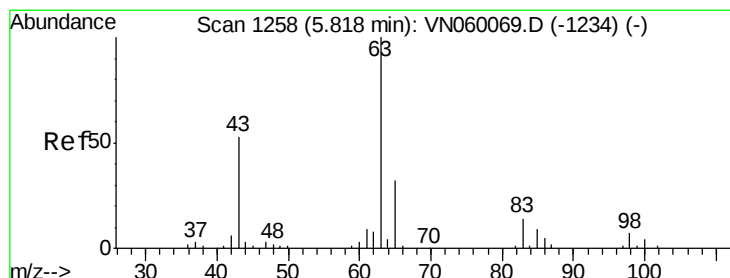
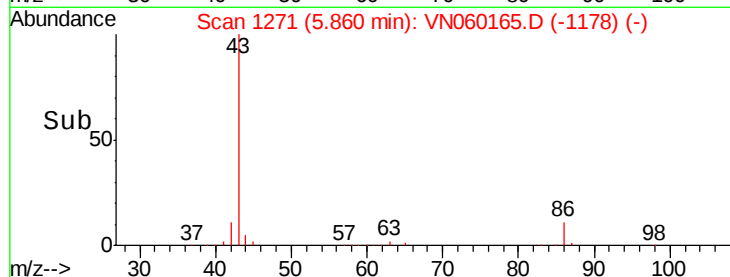
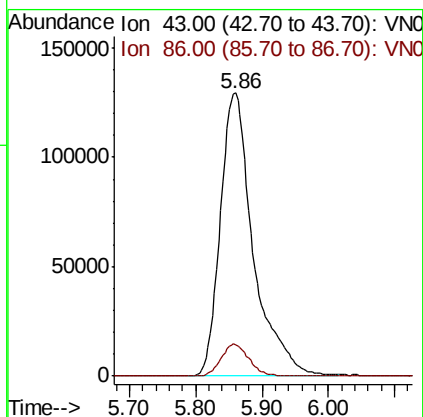
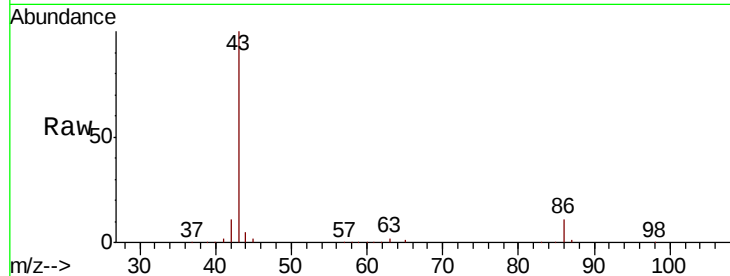




#23
 Vinyl Acetate
 Concen: 95.705 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

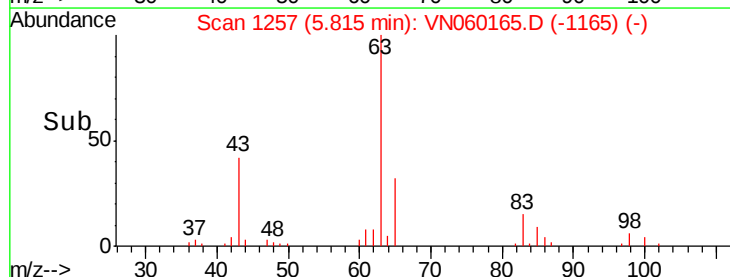
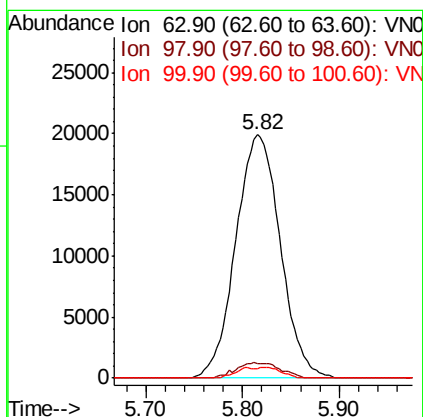
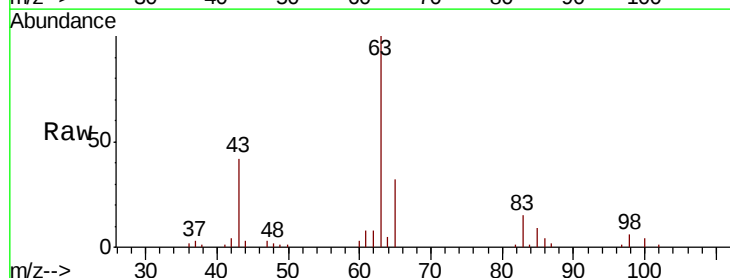
Instrument :
 MSVOA_N
 ClientSampled :

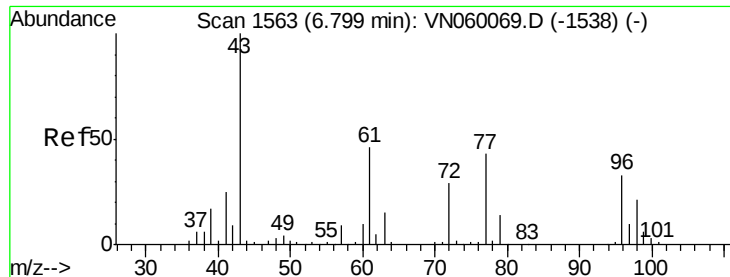
Tot Ion: 43 Resp: 448303
 Ion Ratio Lower Upper
 43 100
 86 11.0 8.9 13.3



#24
 1,1-Dichloroethane
 Concen: 18.841 ug/l
 RT: 5.82 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion: 63 Resp: 63666
 Ion Ratio Lower Upper
 63 100
 98 6.1 3.5 10.5
 100 4.1 2.2 6.6

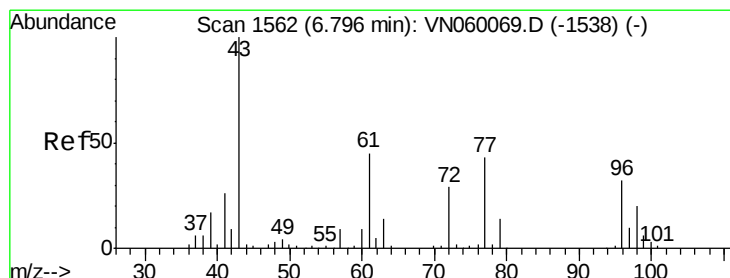
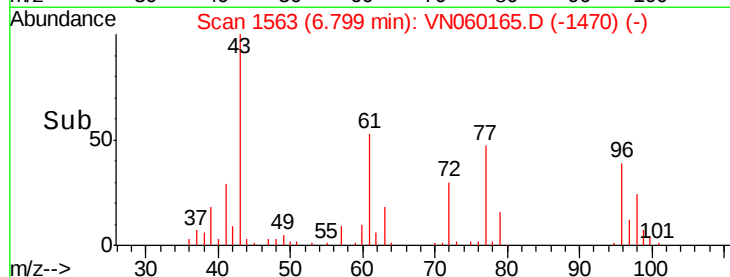
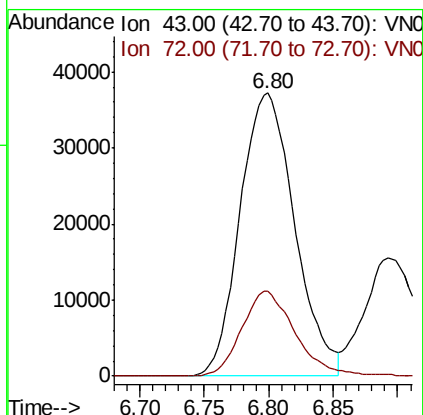
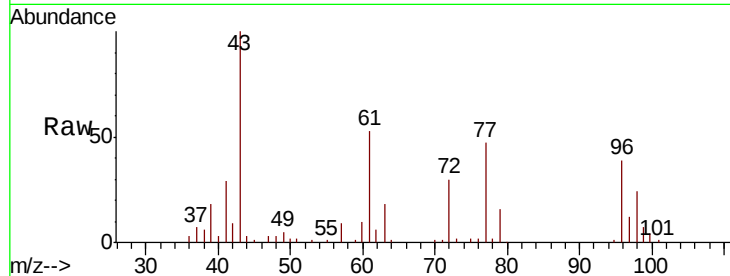




#25
2-Butanone
Concen: 89.878 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

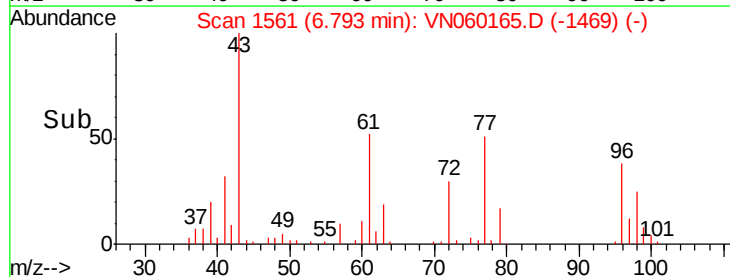
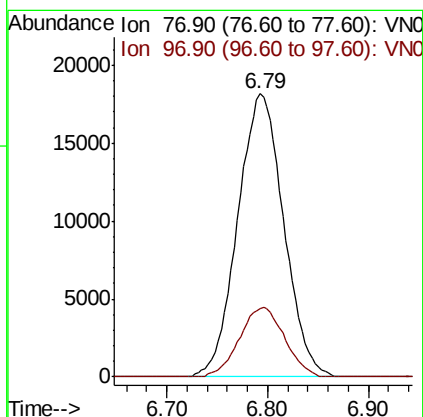
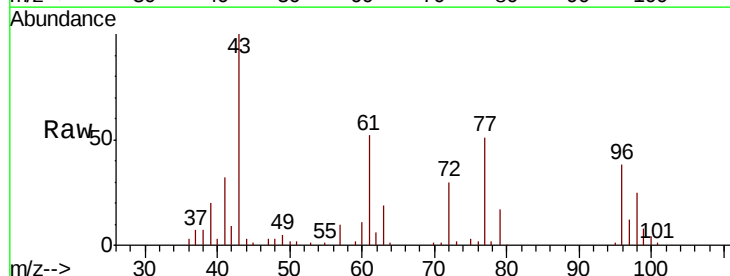
Instrument :
MSVOA_N
ClientSampled :

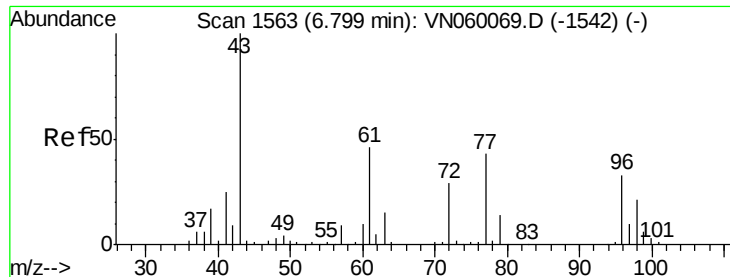
Tot Ion: 43 Resp: 109734
Ion Ratio Lower Upper
43 100
72 30.2 23.3 34.9



#26
2,2-Dichloropropane
Concen: 17.881 ug/l
RT: 6.79 min Scan# 1561
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 77 Resp: 57389
Ion Ratio Lower Upper
77 100
97 24.1 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 18.412 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampled :

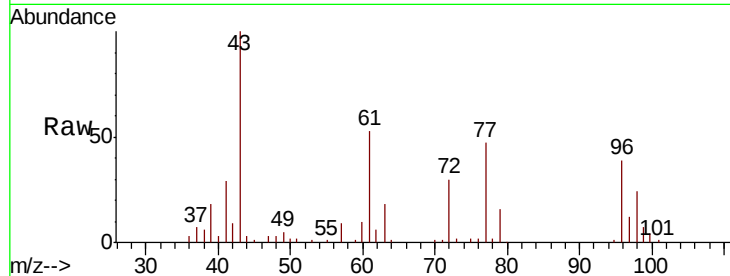
Tot Ion: 96 Resp: 40617

Ion Ratio Lower Upper

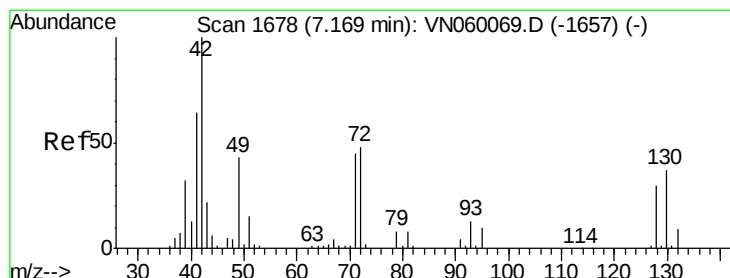
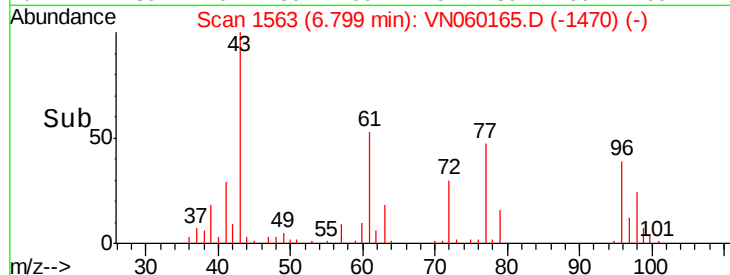
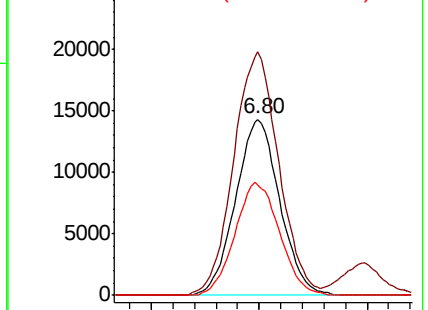
96 100

61 141.6 0.0 285.8

98 64.8 0.0 129.6



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: 18.702 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

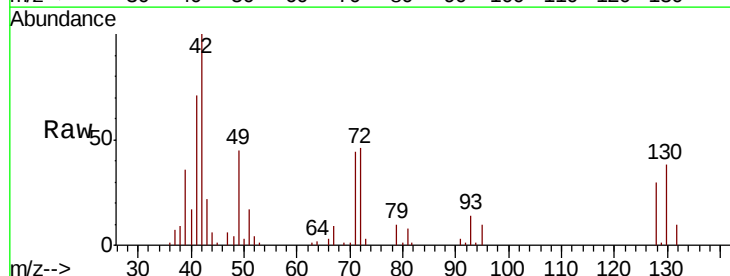
Tgt Ion: 49 Resp: 24844

Ion Ratio Lower Upper

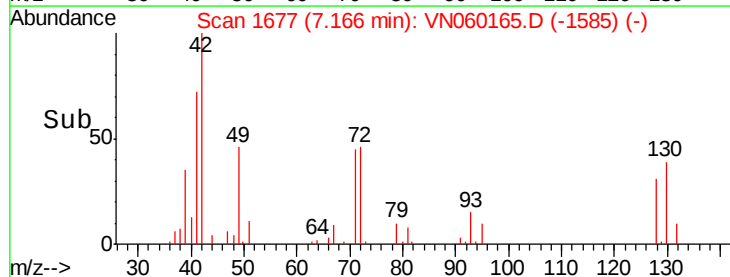
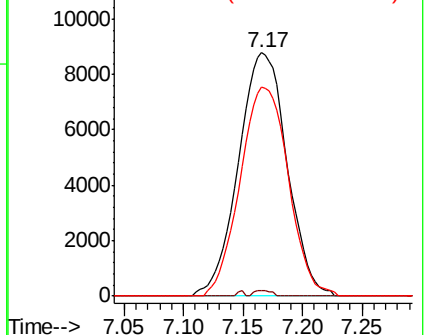
49 100

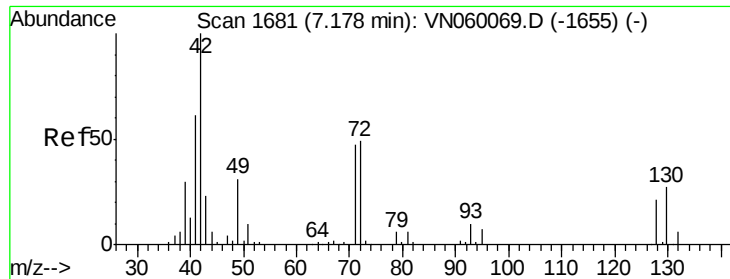
129 0.8 0.0 2.2

130 85.5 66.8 100.2



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

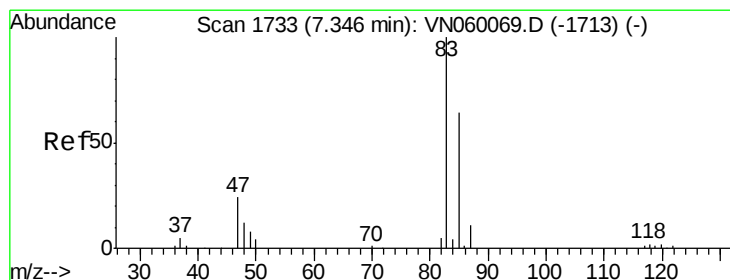
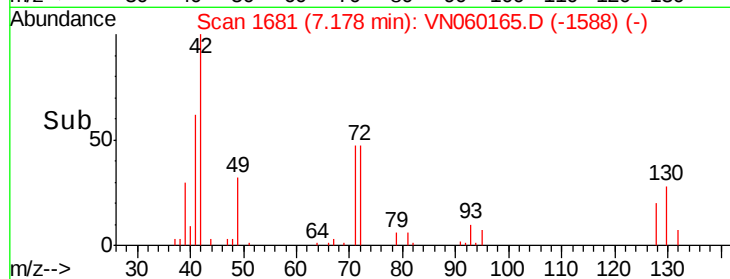
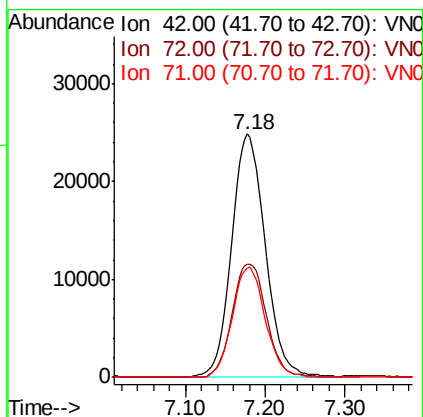
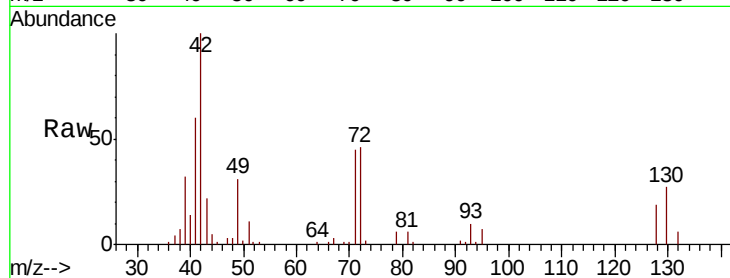




#29
Tetrahydrofuran
Concen: 95.032 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

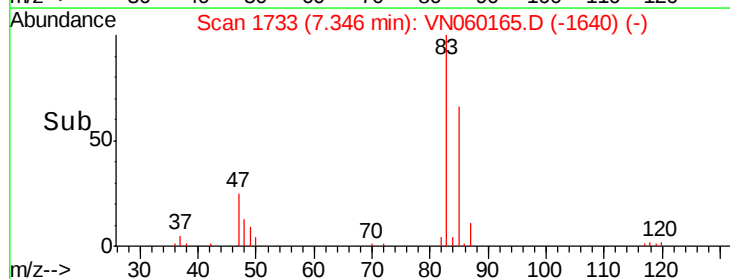
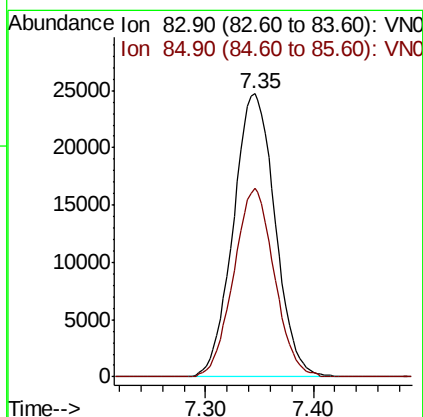
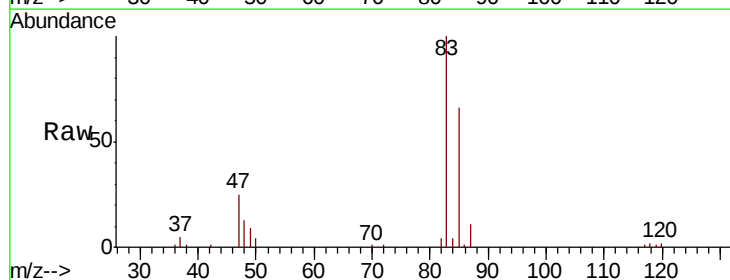
Instrument :
MSVOA_N
ClientSampled :

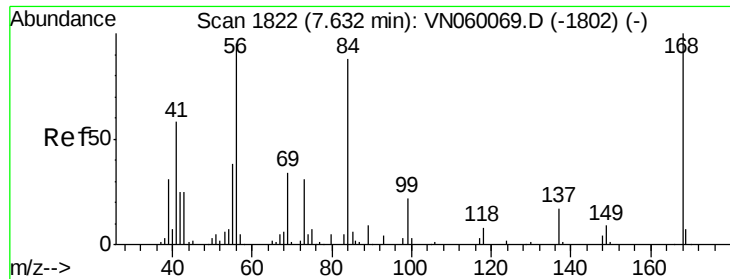
Tot Ion: 42 Resp: 71180
Ion Ratio Lower Upper
42 100
72 47.0 38.2 57.4
71 43.9 36.6 54.8



#30
Chloroform
Concen: 18.824 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 83 Resp: 66629
Ion Ratio Lower Upper
83 100
85 66.4 51.4 77.0

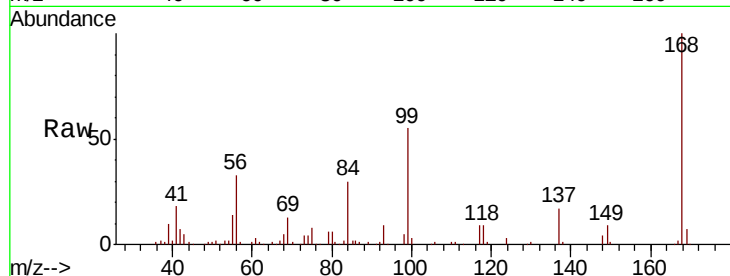




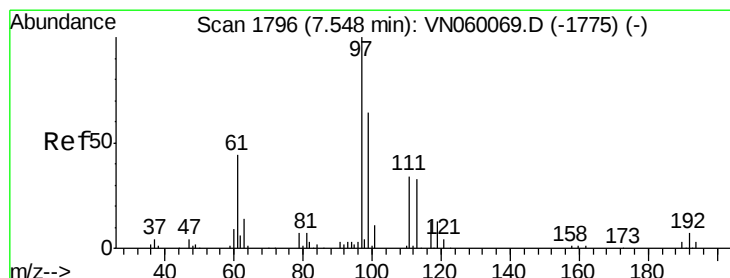
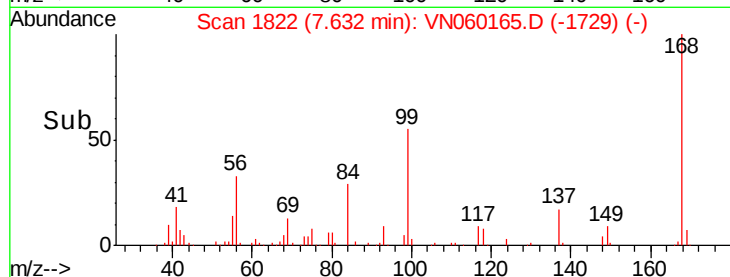
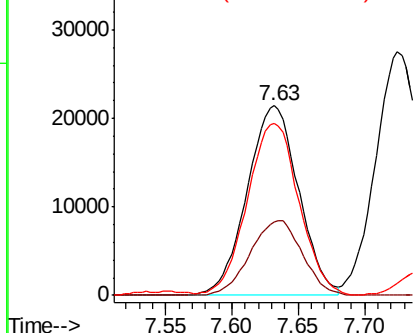
#31
Cyclohexane
Concen: 18.429 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 58010
Ion Ratio Lower Upper
56 100
69 38.7 28.3 42.5
84 89.5 72.6 108.8

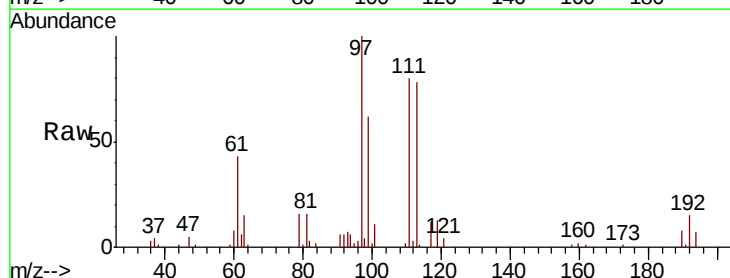


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

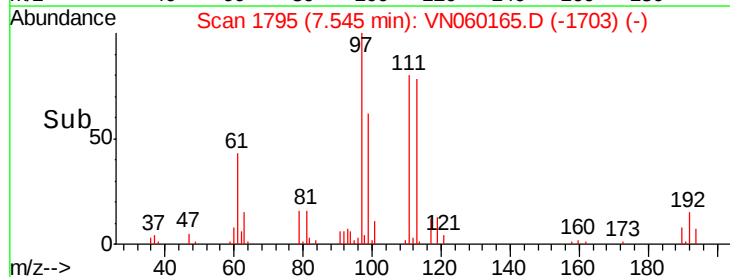
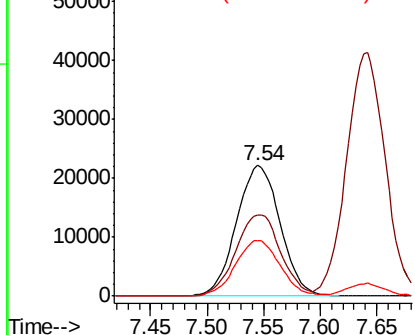


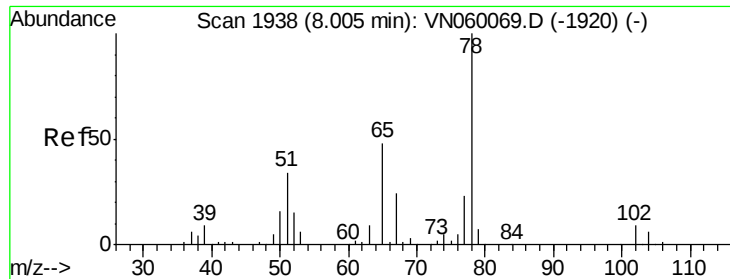
#32
1,1,1-Trichloroethane
Concen: 18.455 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 97 Resp: 59695
Ion Ratio Lower Upper
97 100
99 63.9 51.4 77.0
61 43.1 34.9 52.3



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

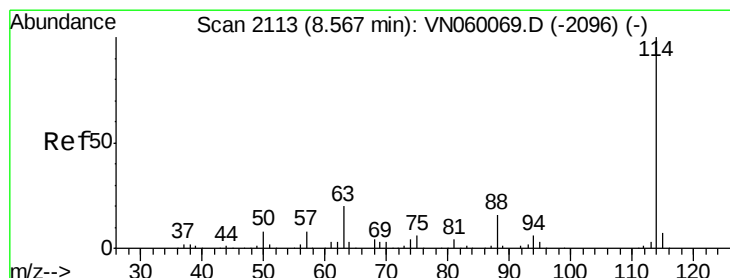
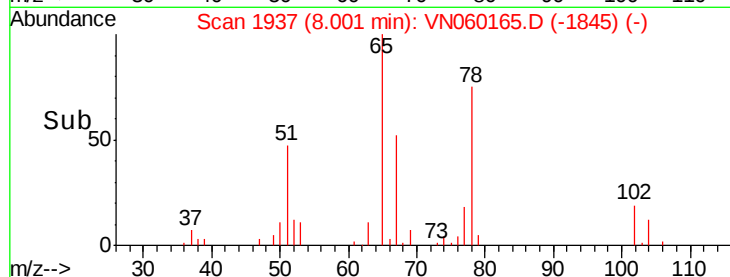
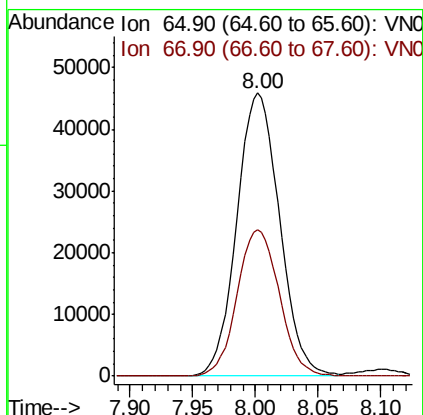
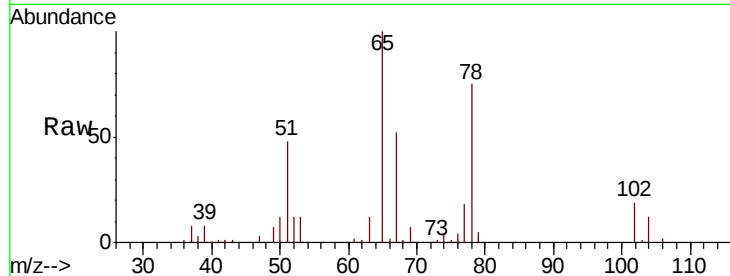




#33
 1,2-Dichloroethane-d4
 Concen: 48.923 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

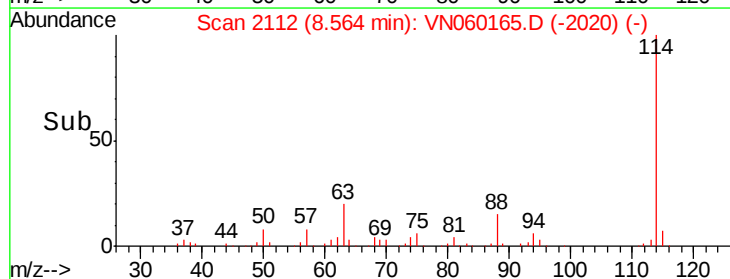
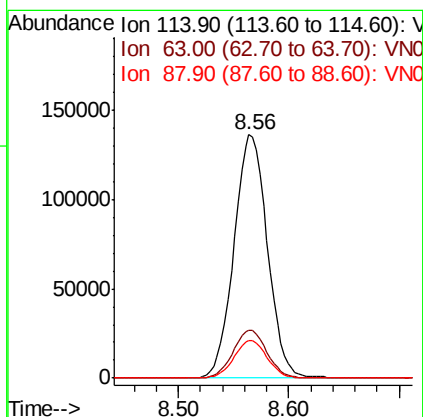
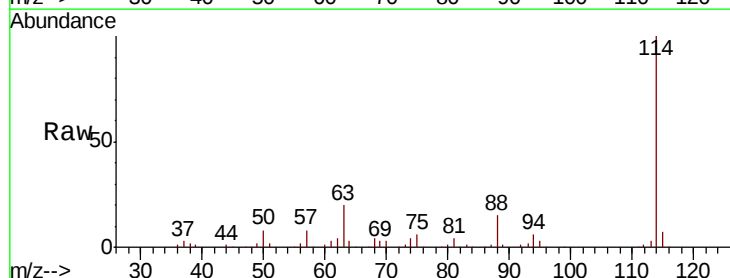
Instrument :
 MSVOA_N
 ClientSampleId :

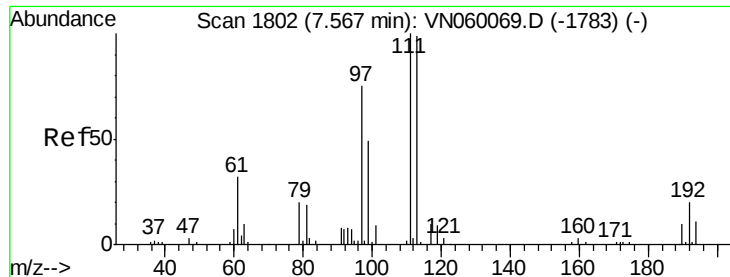
Tot Ion: 65 Resp: 108881
 Ion Ratio Lower Upper
 65 100
 67 50.9 0.0 104.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.56 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion: 114 Resp: 286012
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 40.0
 88 15.3 0.0 31.6

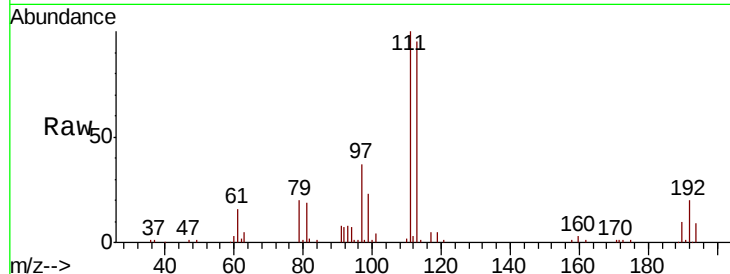




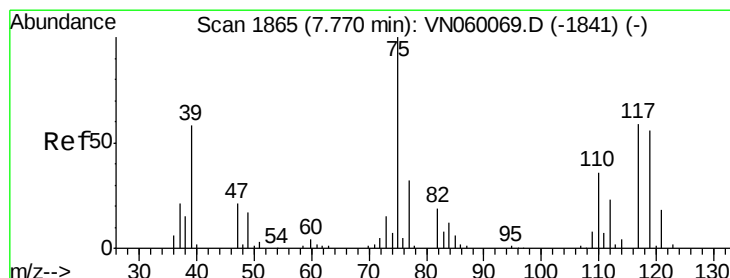
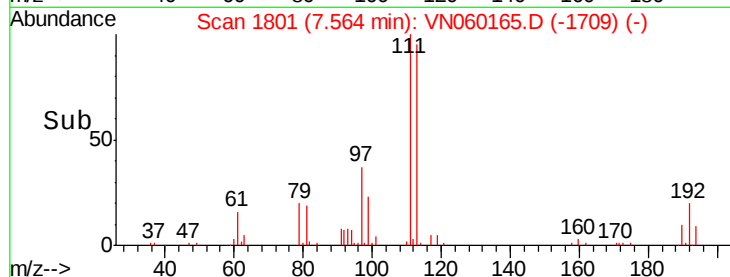
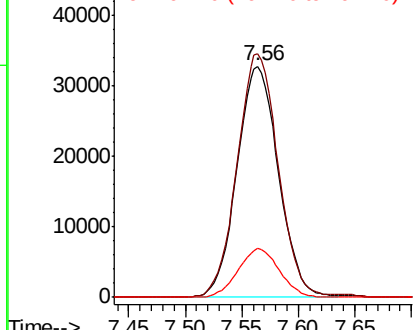
#35
 Dibromofluoromethane
 Concen: 47.656 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:113 Resp: 83784
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.4 122.2
 192 20.8 16.2 24.2

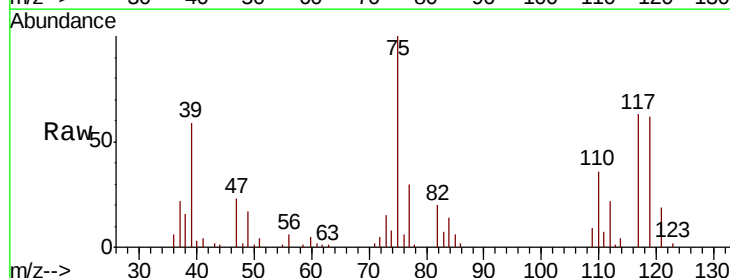


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

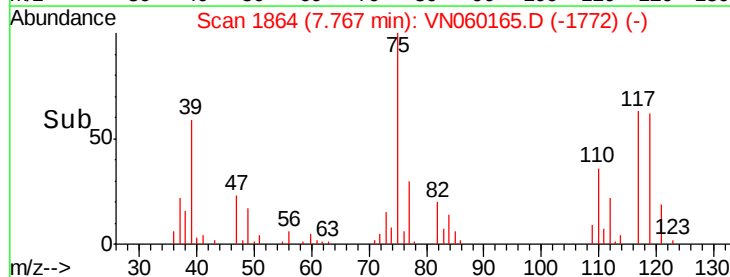
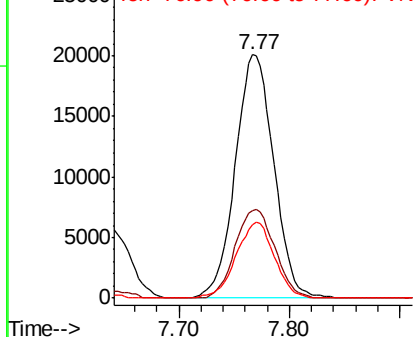


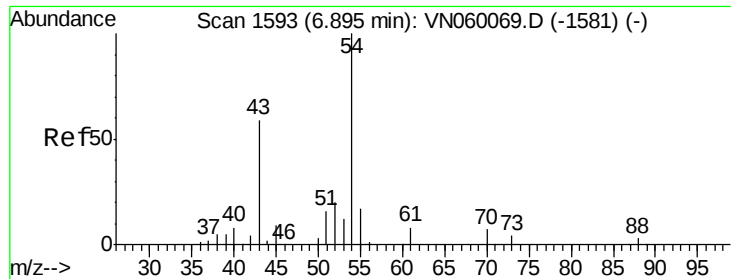
#36
 1,1-Dichloropropene
 Concen: 18.337 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion: 75 Resp: 48578
 Ion Ratio Lower Upper
 75 100
 110 37.5 18.1 54.3
 77 31.0 25.1 37.7



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

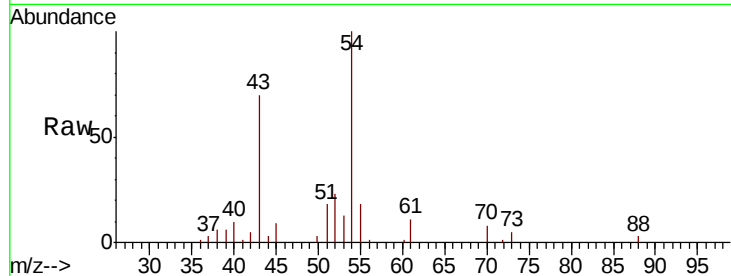




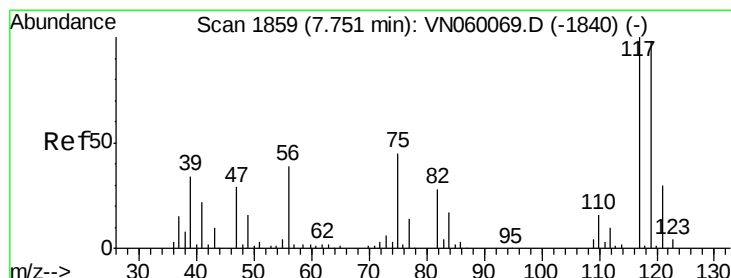
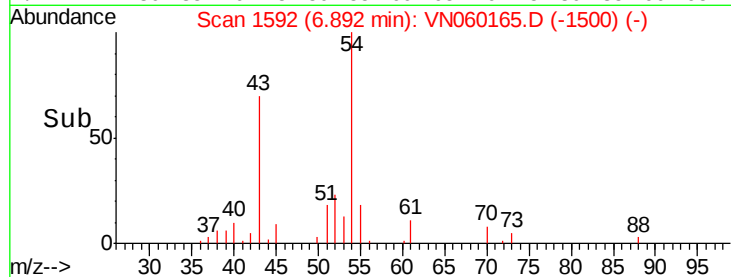
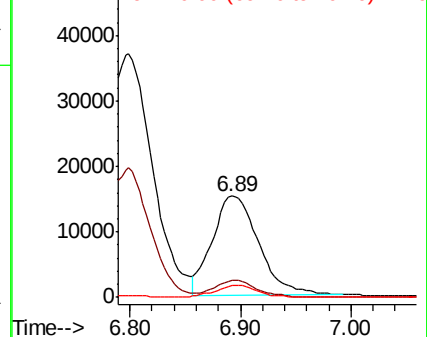
#37
Ethyl Acetate
Concen: 18.760 ug/l
RT: 6.89 min Scan# 1592
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 44915
Ion Ratio Lower Upper
43 100
61 15.6 11.4 17.2
70 10.9 8.7 13.1

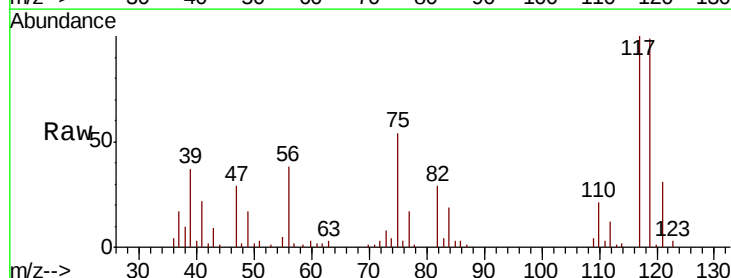


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

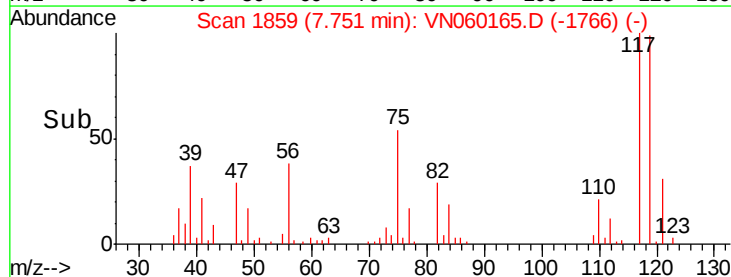
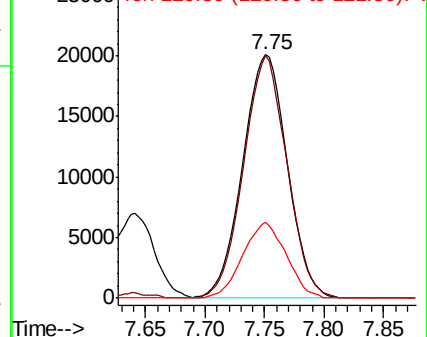


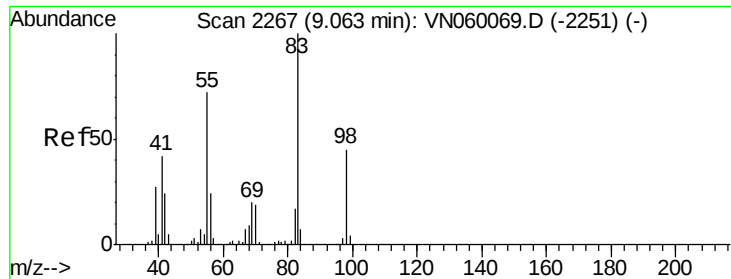
#38
Carbon Tetrachloride
Concen: 18.169 ug/l
RT: 7.75 min Scan# 1859
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 117 Resp: 52275
Ion Ratio Lower Upper
117 100
119 99.3 78.2 117.4
121 31.0 24.2 36.2



Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

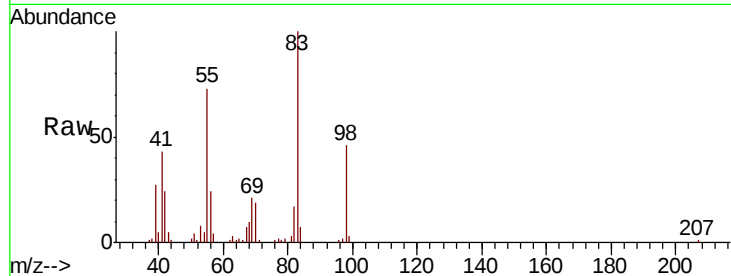




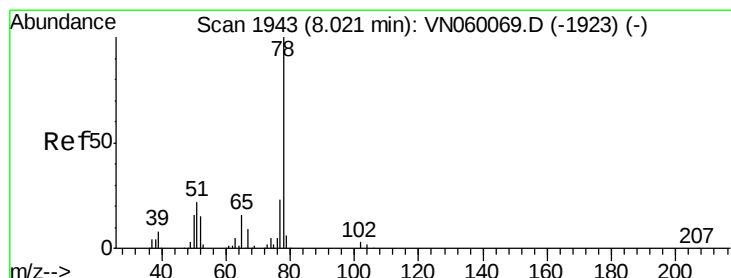
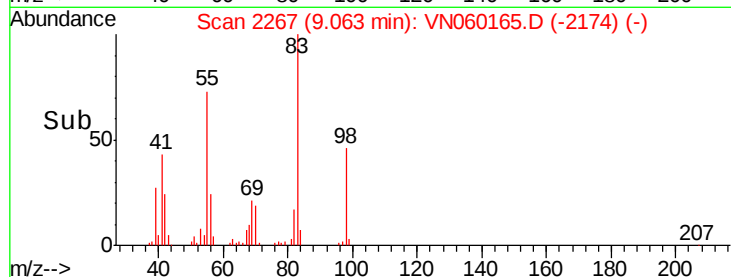
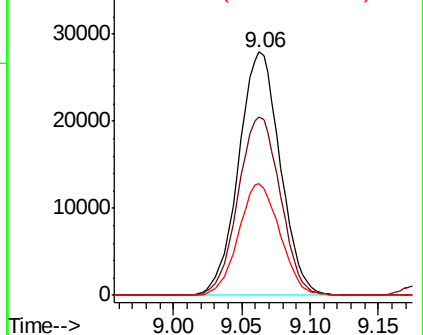
#39
Methvlcvclohexane
Concen: 18.001 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 59196
Ion Ratio Lower Upper
83 100
55 73.4 57.8 86.8
98 45.9 36.4 54.6

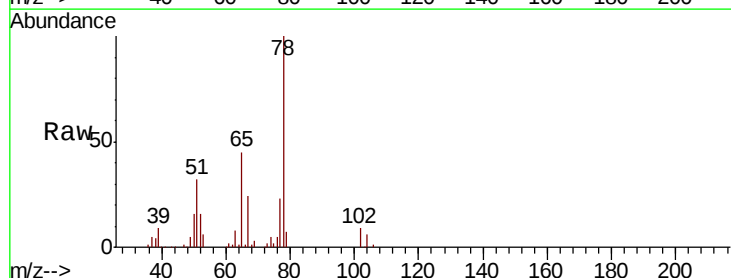


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

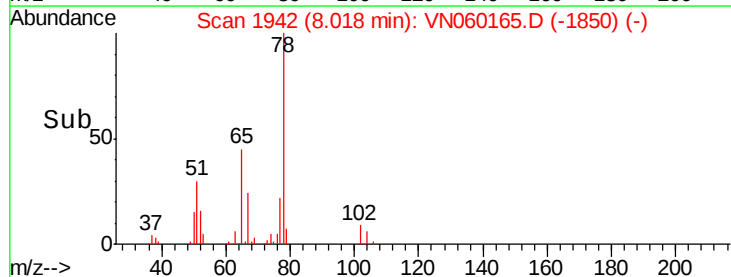
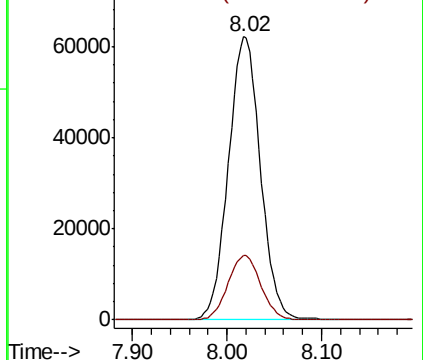


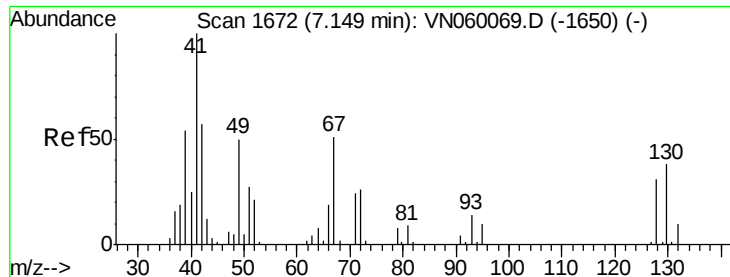
#40
Benzene
Concen: 18.578 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 78 Resp: 145997
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2



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

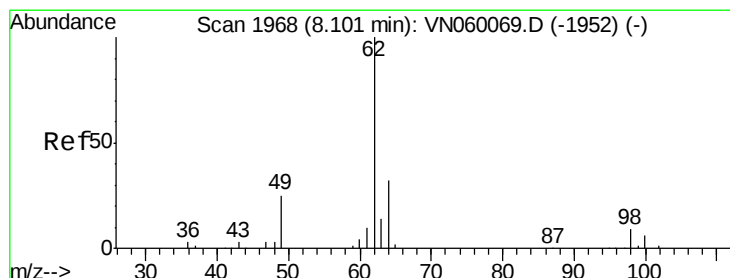
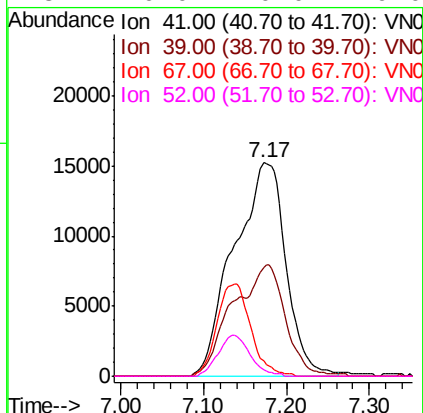
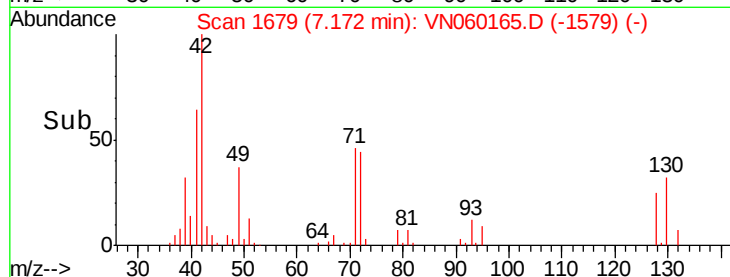
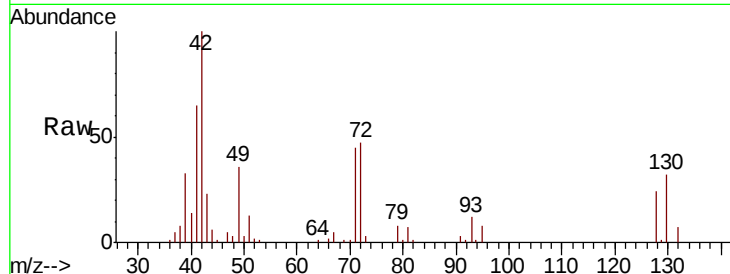




#41
Methacrylonitrile
Concen: 65.884 ug/l
RT: 7.17 min Scan# 1679
Delta R.T. 0.02 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

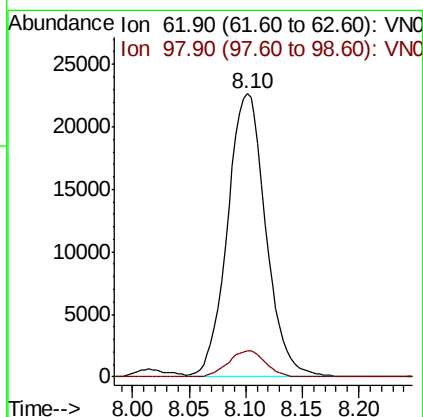
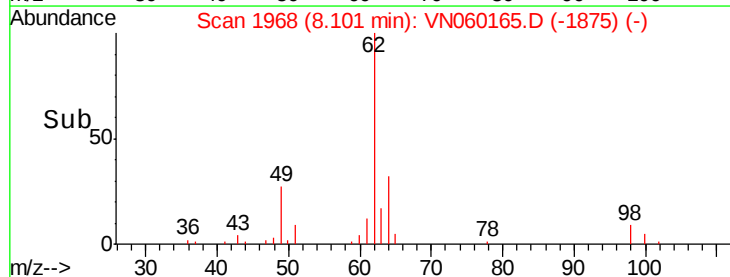
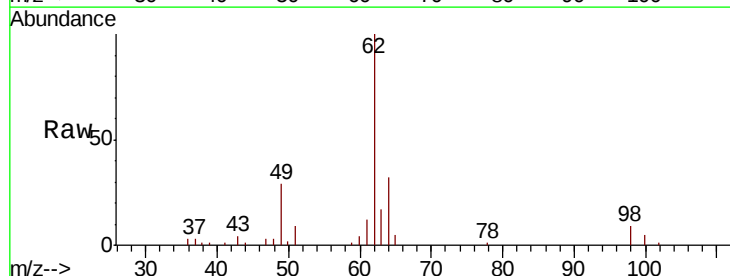
Instrument :
MSVOA_N
ClientSampleId :

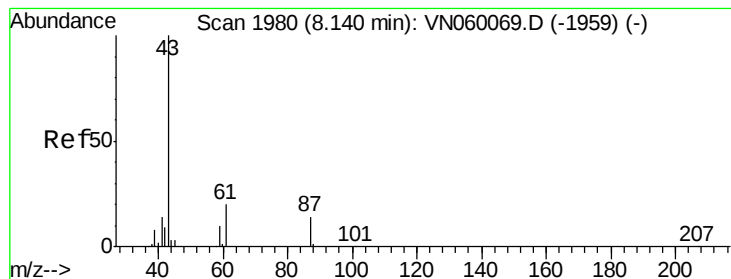
Tot Ion:	41	Resp:	66152
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.403 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion:	62	Resp:	53442
Ion	Ratio	Lower	Upper
62	100		
98	8.9	0.0	18.2





#43

Isopropyl Acetate

Concen: 19.170 ug/l

RT: 8.14 min Scan# 1979

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

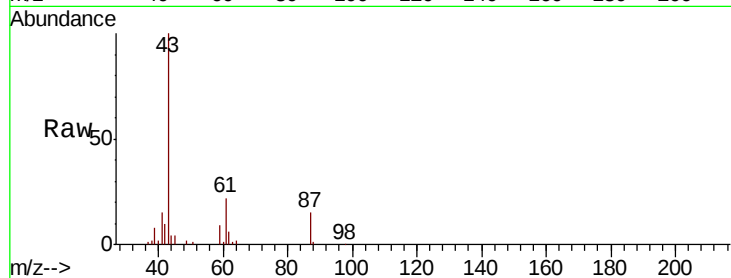
Tot Ion: 43 Resp: 78456

Ion Ratio Lower Upper

43 100

61 21.0 21.8 32.6#

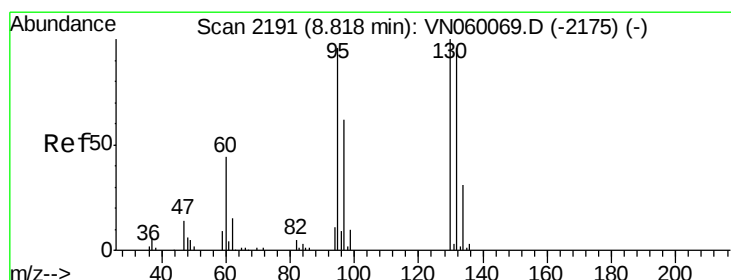
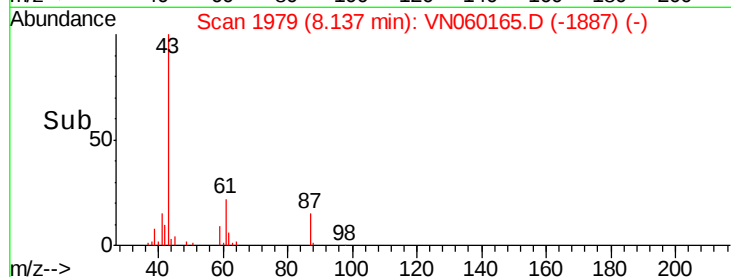
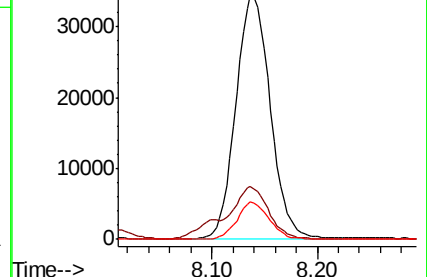
87 14.1 11.4 17.2



Abundance Ion 43.00 (42.70 to 43.70): VN060069.D (-1959) (-)

Ion 61.00 (60.70 to 61.70): VN060069.D (-1959) (-)

Ion 87.00 (86.70 to 87.70): VN060069.D (-1959) (-)



#44

Trichloroethene

Concen: 18.598 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN060165.D

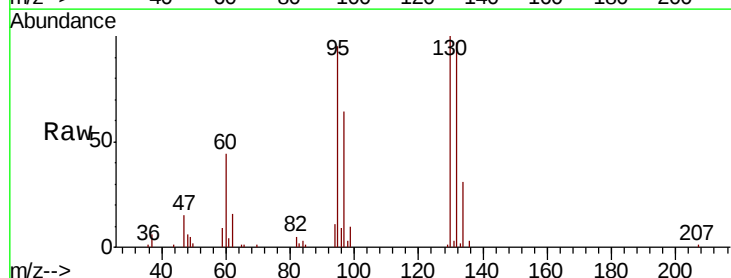
Acq: 20 Feb 2020 12:07

Tgt Ion:130 Resp: 40469

Ion Ratio Lower Upper

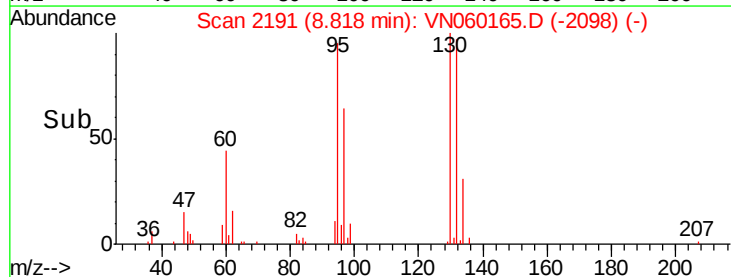
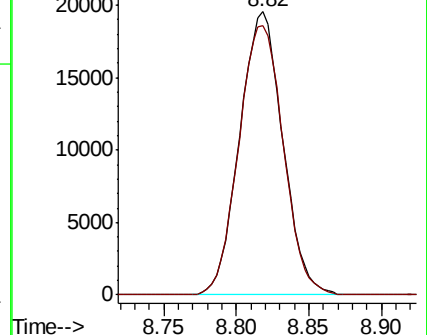
130 100

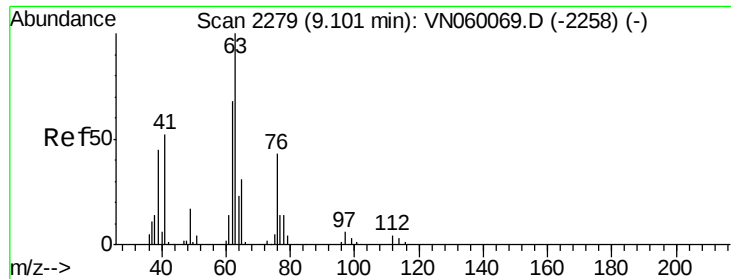
95 95.2 0.0 192.4



Abundance Ion 129.80 (129.50 to 130.50): VN060069.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN060069.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 19.739 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

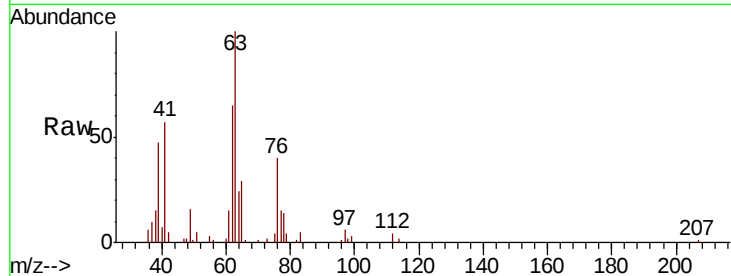
ClientSampleId :

Tot Ion: 63 Resp: 38403

Ion Ratio Lower Upper

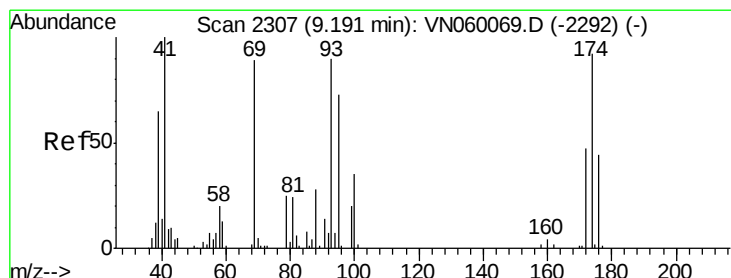
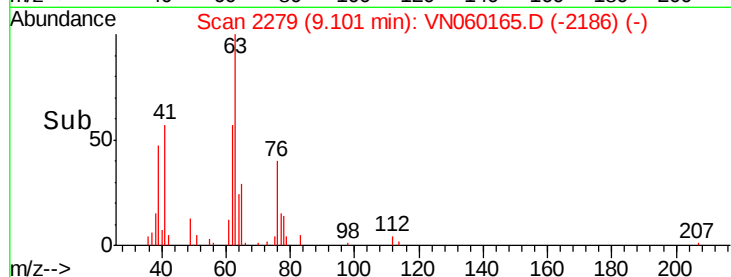
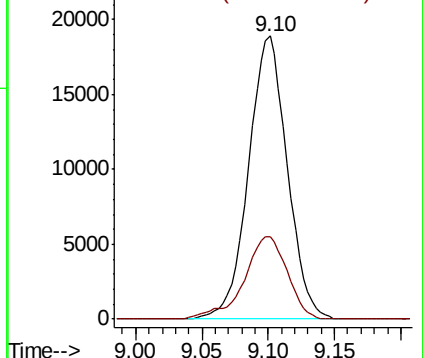
63 100

65 29.0 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 19.173 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

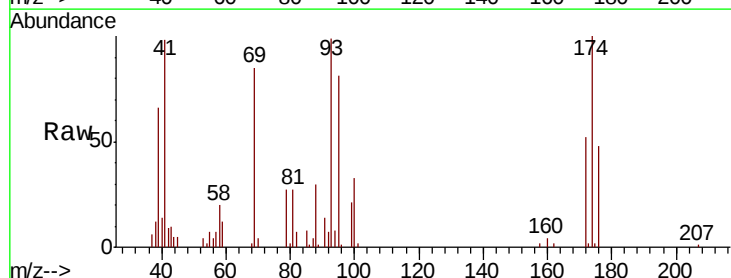
Tgt Ion: 93 Resp: 26360

Ion Ratio Lower Upper

93 100

95 81.6 65.0 97.6

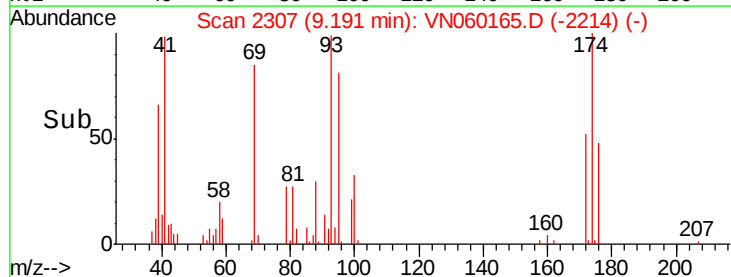
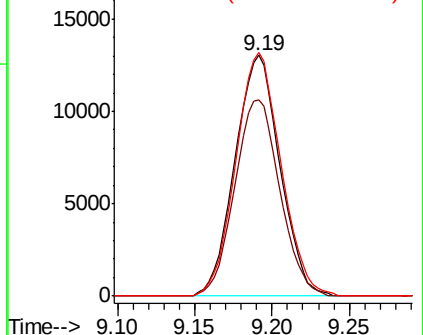
174 101.5 82.3 123.5

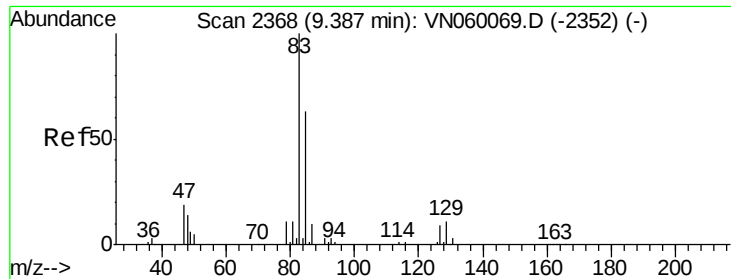


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

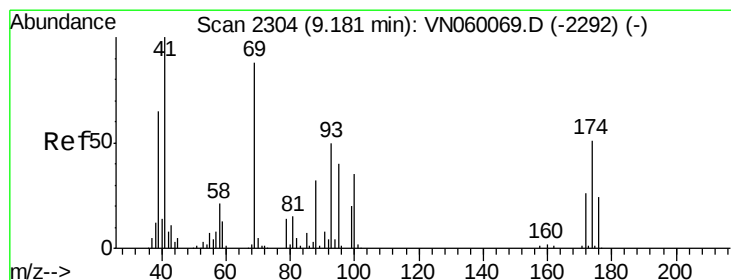
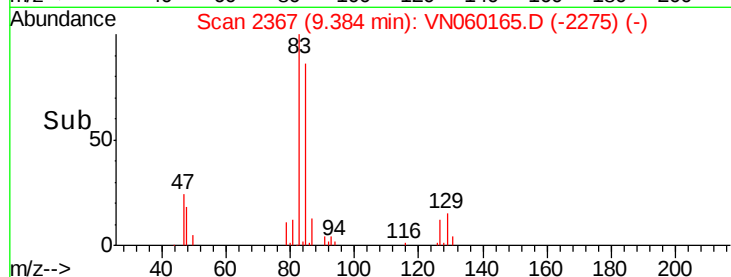
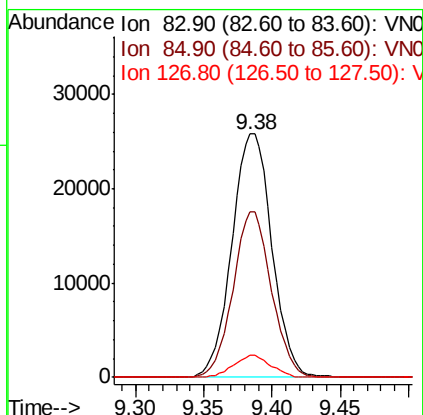
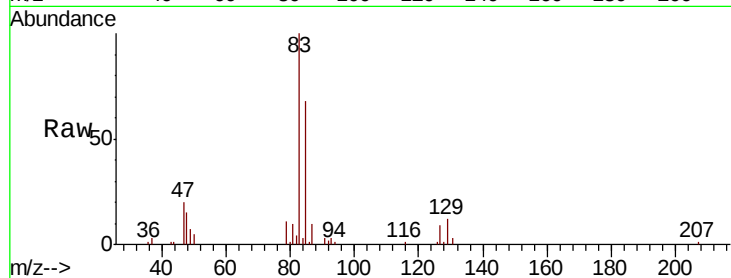




#47
 Bromodichloromethane
 Concen: 18.814 ug/l
 RT: 9.38 min Scan# 2367
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

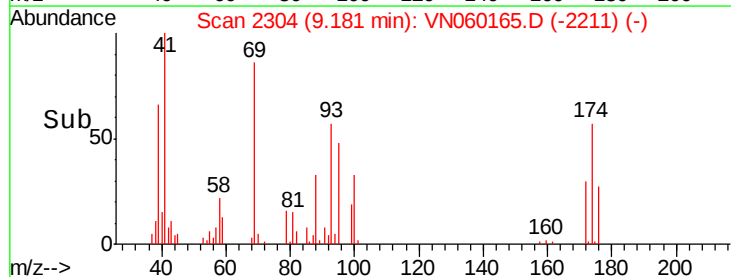
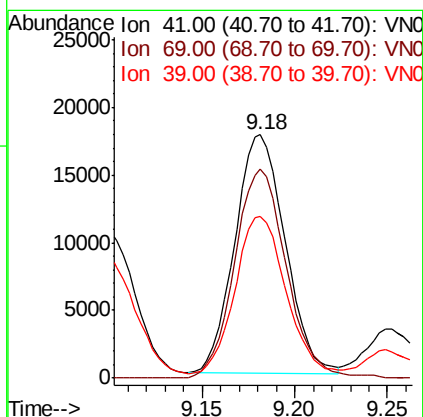
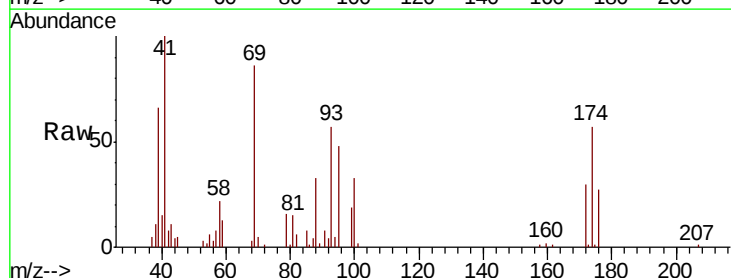
Instrument :
 MSVOA_N
 ClientSampled :

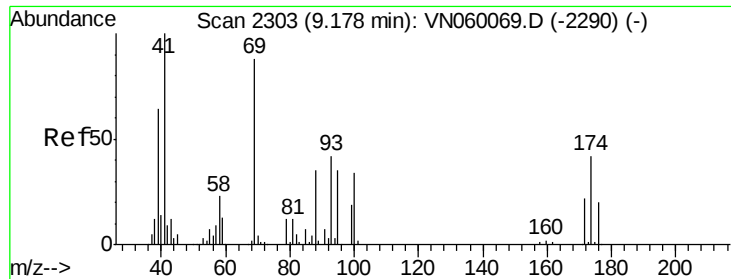
Tot Ion: 83 Resp: 52590
 Ion Ratio Lower Upper
 83 100
 85 68.2 50.6 75.8
 127 9.2 7.0 10.6



#48
 Methyl methacrylate
 Concen: 18.179 ug/l
 RT: 9.18 min Scan# 2304
 Delta R.T. 0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion: 41 Resp: 33382
 Ion Ratio Lower Upper
 41 100
 69 89.8 72.0 108.0
 39 70.5 54.1 81.1

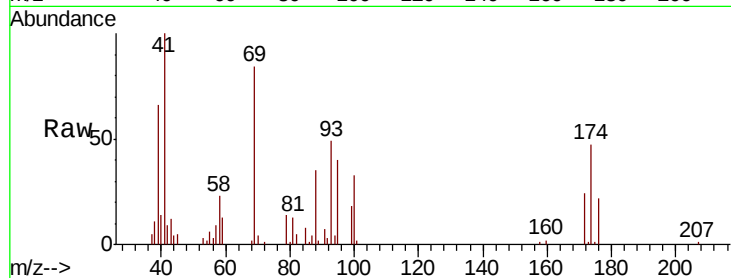




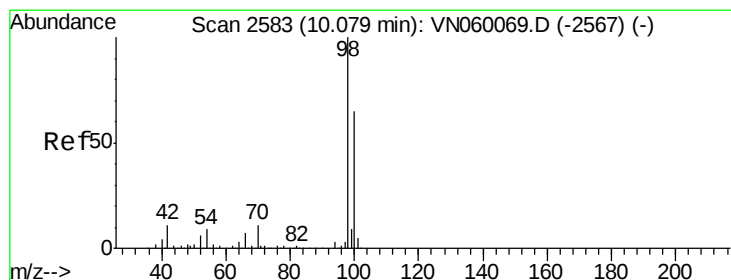
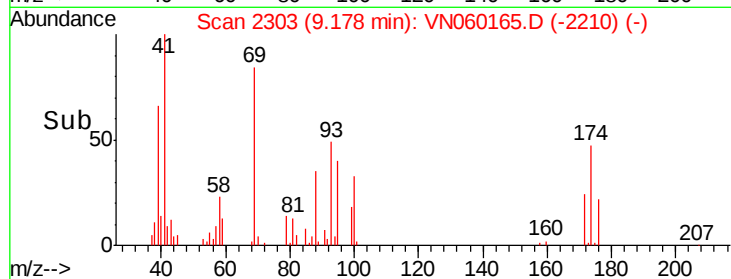
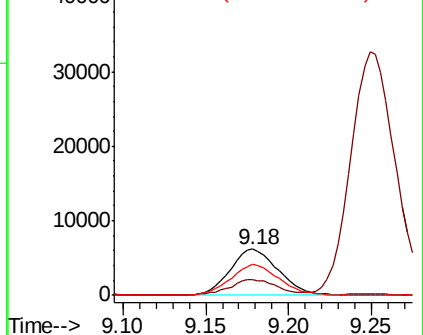
#49
1,4-Dioxane
Concen: 398.794 ug/l
RT: 9.18 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 12512
Ion Ratio Lower Upper
88 100
43 33.8 26.2 39.2
58 66.6 53.2 79.8

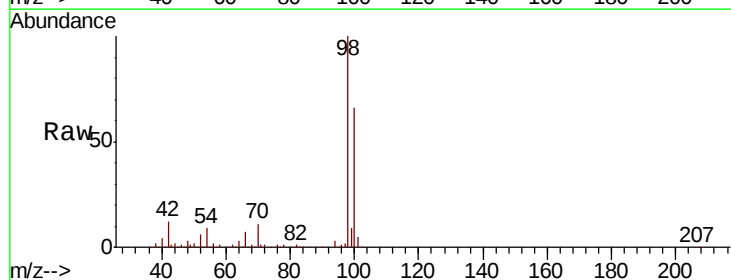


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

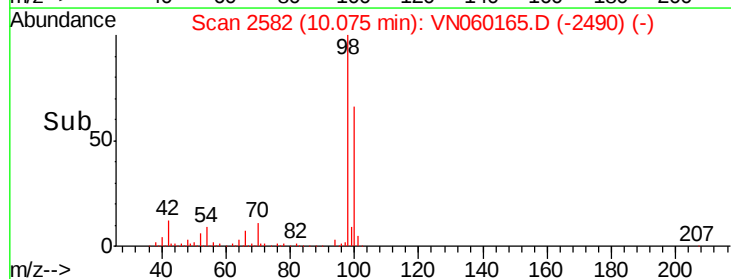
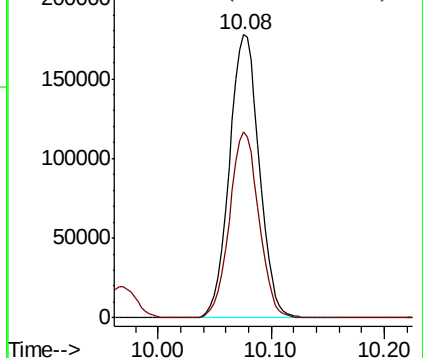


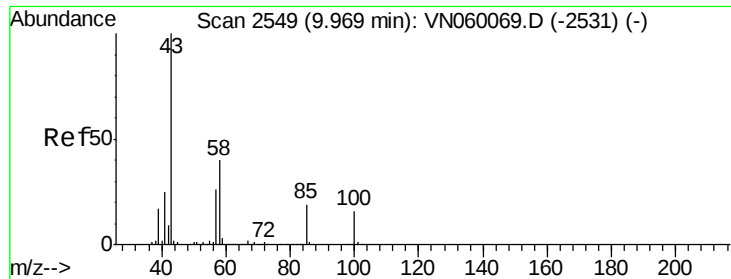
#50
Toluene-d8
Concen: 47.092 ug/l
RT: 10.08 min Scan# 2582
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 98 Resp: 326037
Ion Ratio Lower Upper
98 100
100 64.4 51.7 77.5



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: 95.632 ug/l

RT: 9.97 min Scan# 2548

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

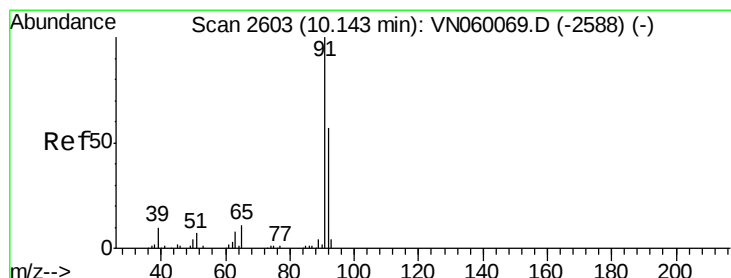
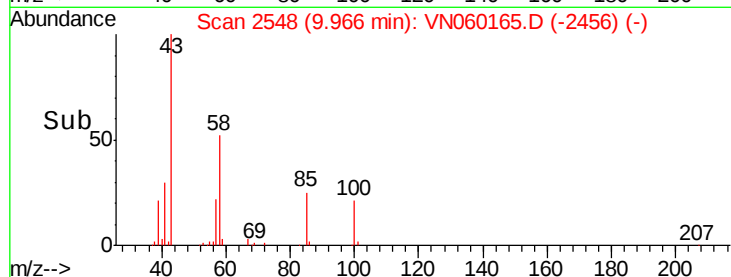
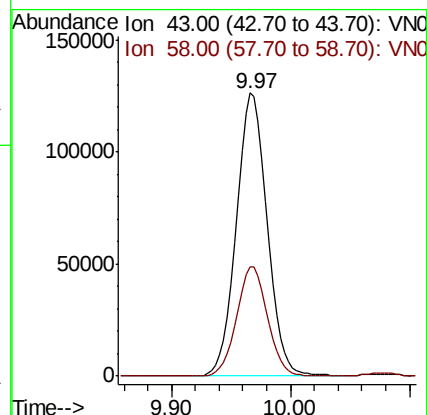
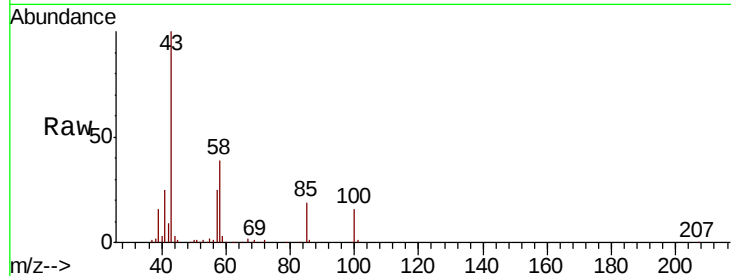
ClientSampleId :

Tot Ion: 43 Resp: 226548

Ion Ratio Lower Upper

43 100

58 38.8 31.8 47.8



#52

Toluene

Concen: 18.453 ug/l

RT: 10.14 min Scan# 2602

Delta R.T. -0.00 min

Lab File: VN060165.D

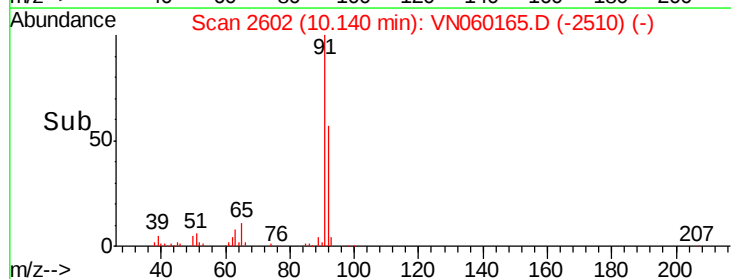
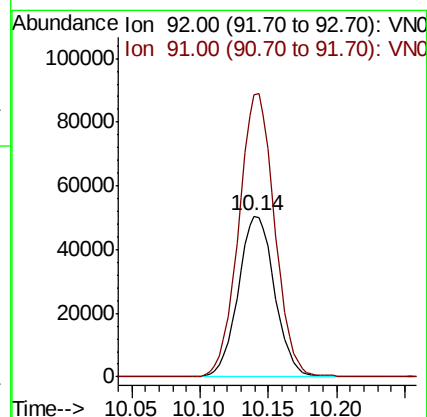
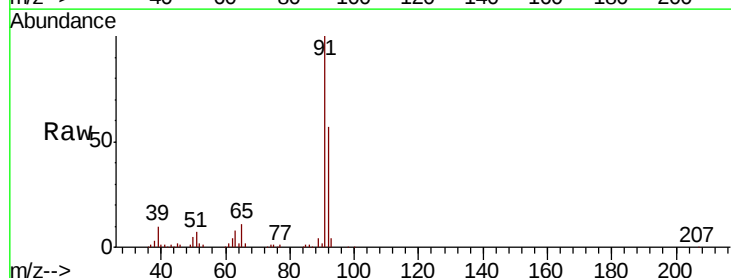
Acq: 20 Feb 2020 12:07

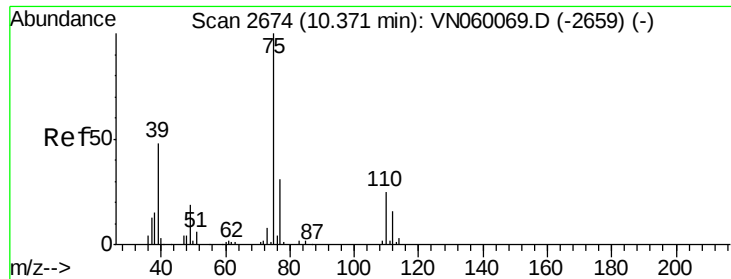
Tgt Ion: 92 Resp: 92989

Ion Ratio Lower Upper

92 100

91 174.4 140.9 211.3





#53

t-1,3-Dichloropropene

Concen: 18.767 ug/l

RT: 10.37 min Scan# 2673

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

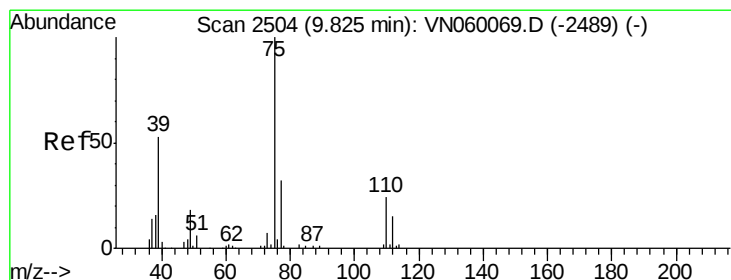
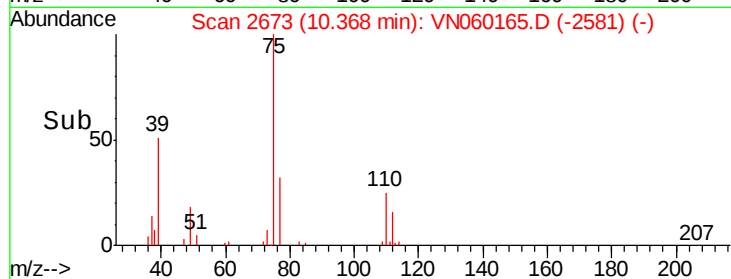
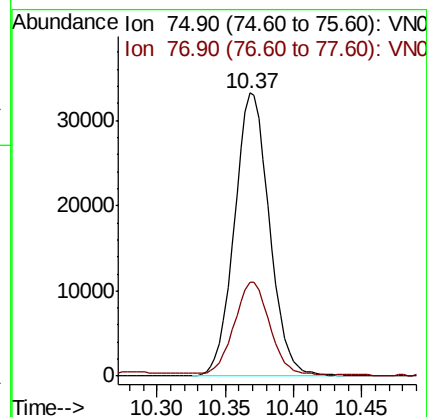
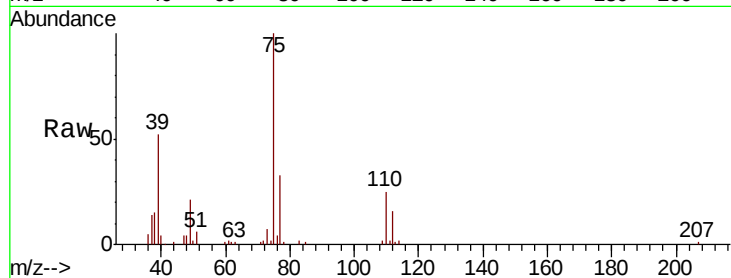
ClientSampled :

Tot Ion: 75 Resp: 59213

Ion Ratio Lower Upper

75 100

77 32.6 25.4 38.0



#54

cis-1,3-Dichloropropene

Concen: 18.761 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

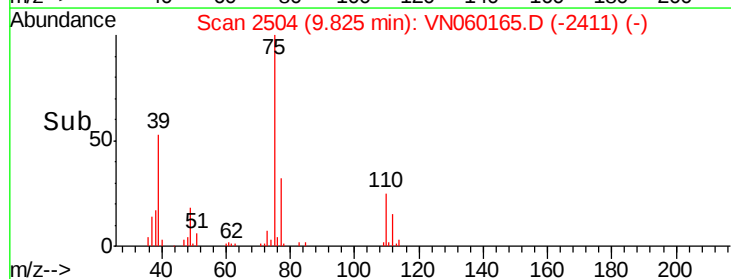
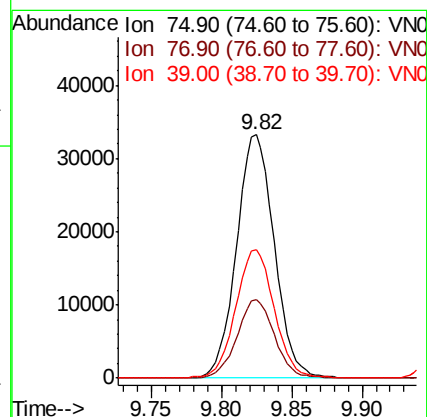
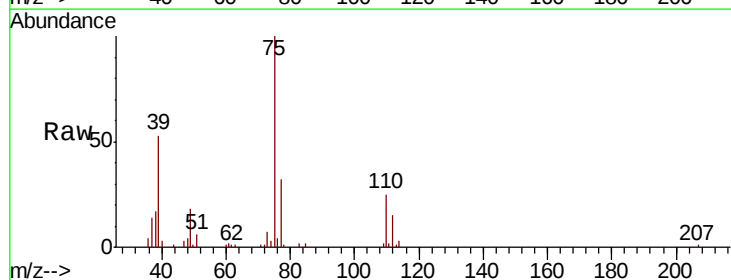
Tgt Ion: 75 Resp: 62332

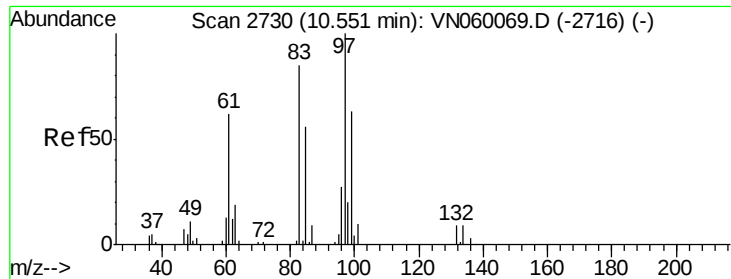
Ion Ratio Lower Upper

75 100

77 32.3 25.6 38.4

39 52.8 42.2 63.4

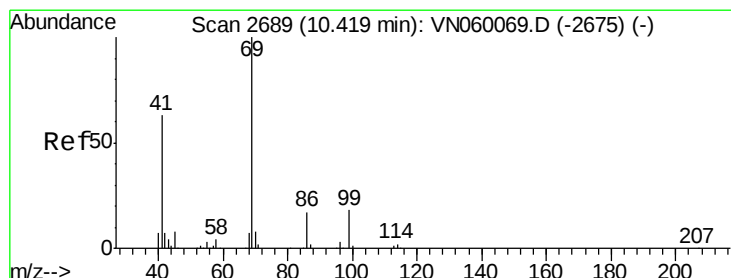
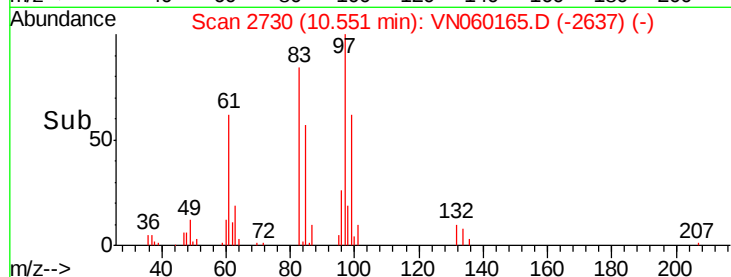
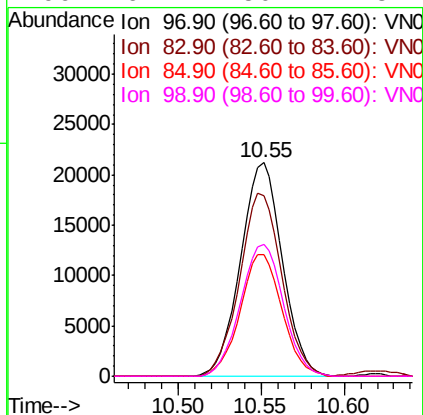
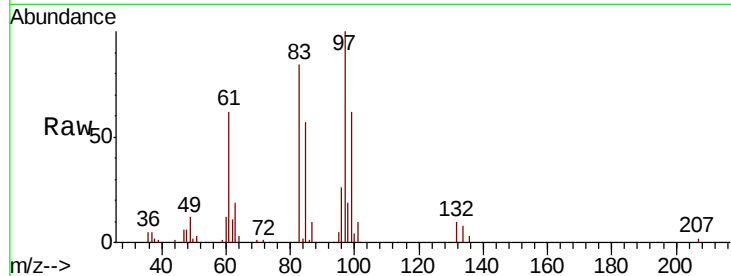




#55
 1,1,2-Trichloroethane
 Concen: 18.936 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

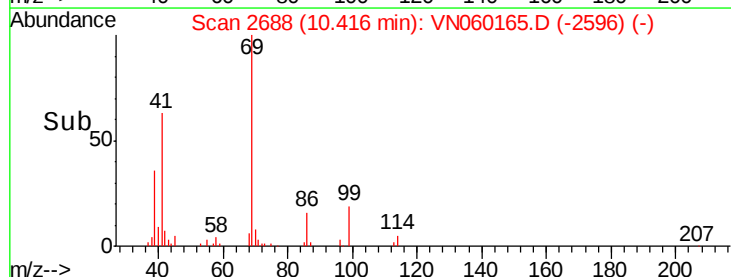
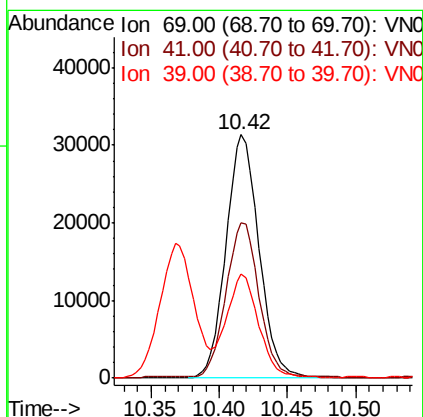
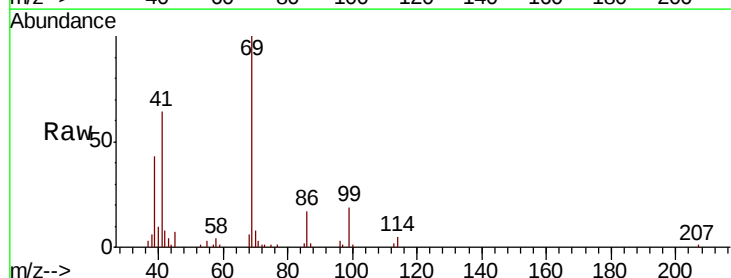
Instrument :
 MSVOA_N
 ClientSampleId :

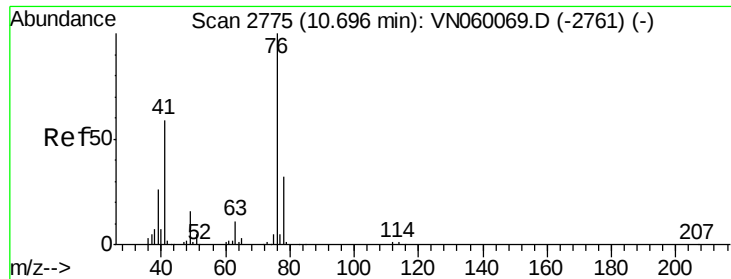
Tot Ion:	97	Resp:	37228
Ion	Ratio	Lower	Upper
97	100		
83	84.5	67.9	101.9
85	56.7	44.6	67.0
99	61.7	50.1	75.1



#56
 Ethyl methacrylate
 Concen: 19.042 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. -0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion:	69	Resp:	52957
Ion	Ratio	Lower	Upper
69	100		
41	64.7	51.1	76.7
39	42.3	33.8	50.8





#57

1,3-Dichloropropane

Concen: 19.052 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

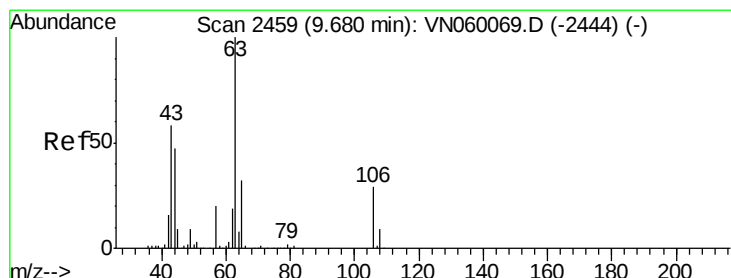
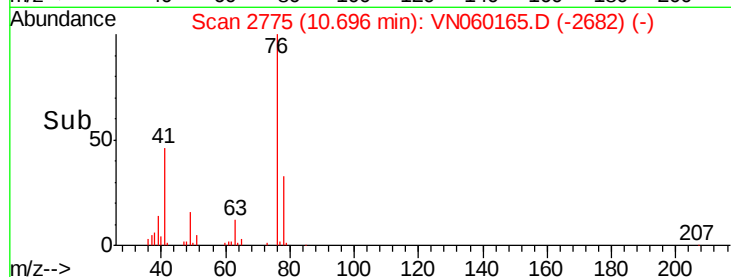
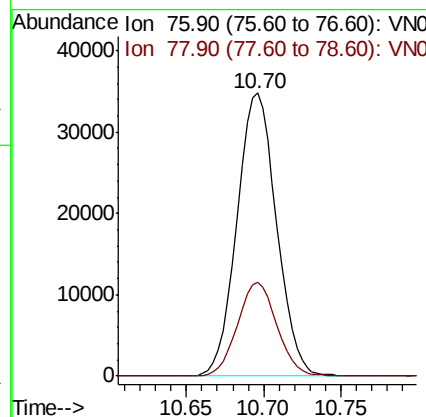
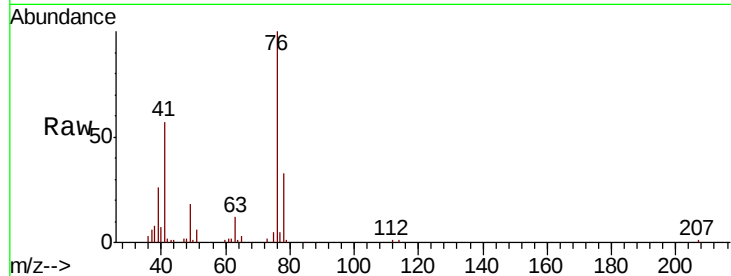
ClientSampleId :

Tot Ion: 76 Resp: 61803

Ion Ratio Lower Upper

76 100

78 33.1 25.7 38.5



#58

2-Chloroethyl Vinyl ether

Concen: 95.155 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN060165.D

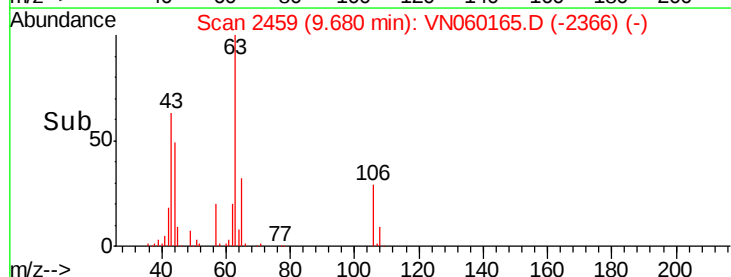
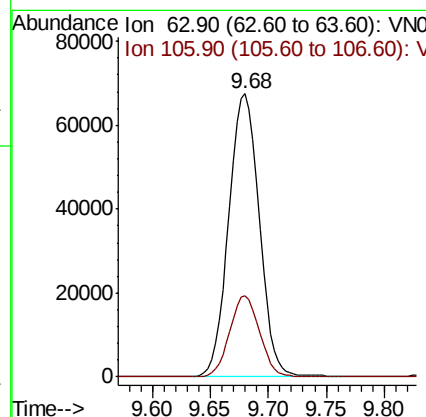
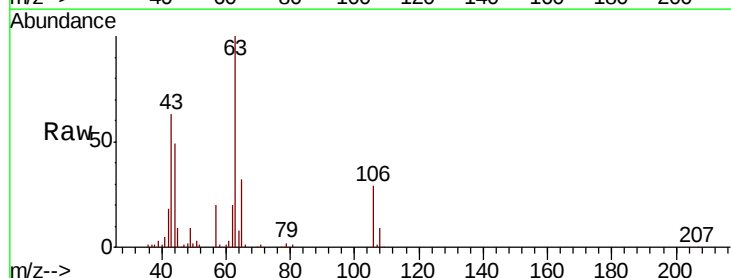
Acq: 20 Feb 2020 12:07

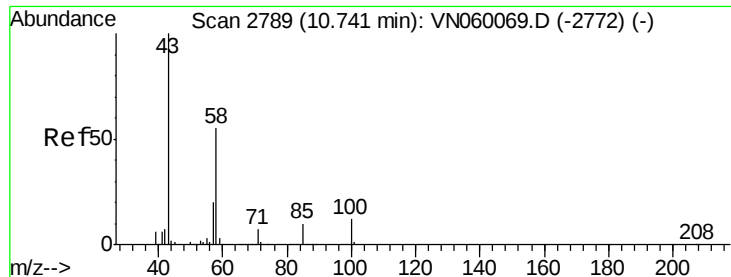
Tgt Ion: 63 Resp: 123286

Ion Ratio Lower Upper

63 100

106 28.0 22.9 34.3

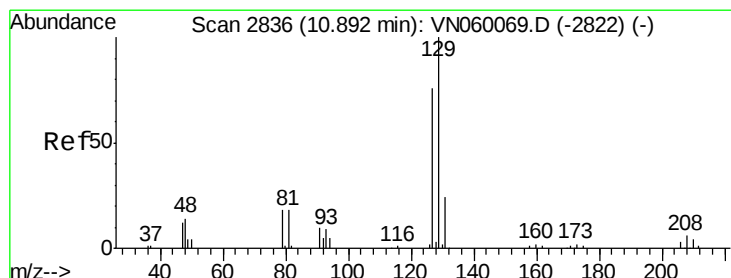
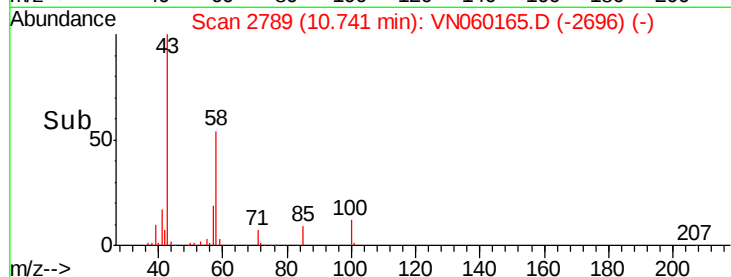
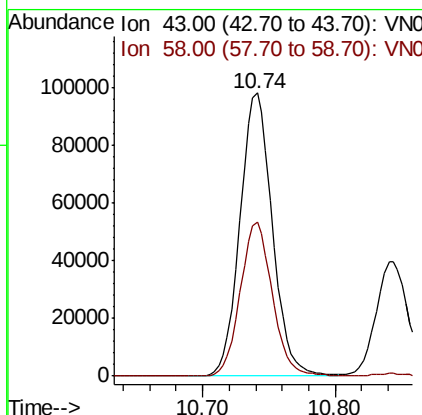
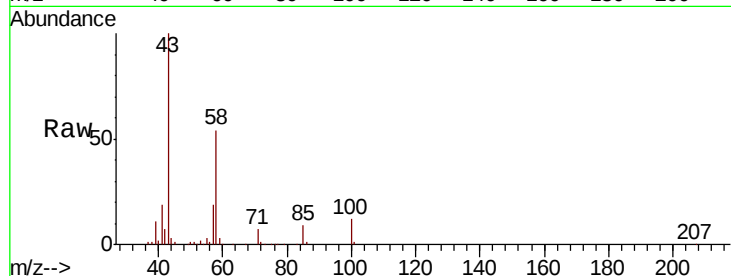




#59
2-Hexanone
Concen: 91.125 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

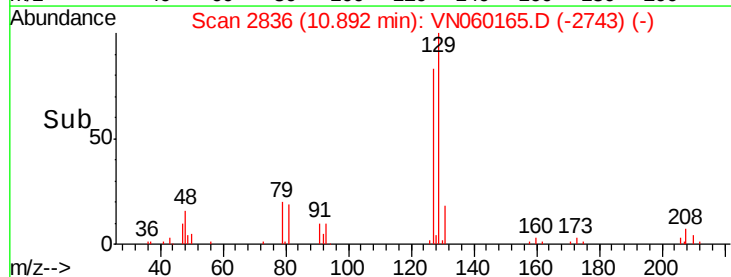
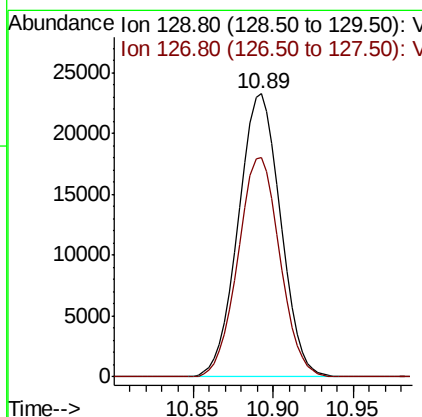
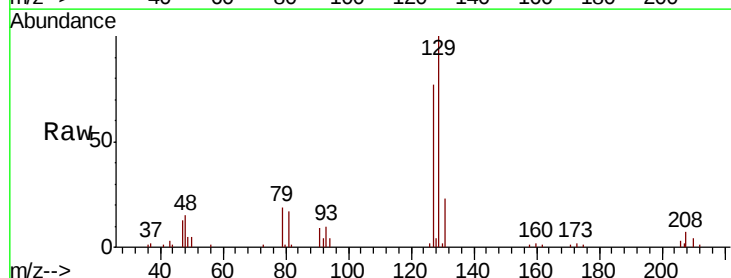
Instrument :
MSVOA_N
ClientSampleId :

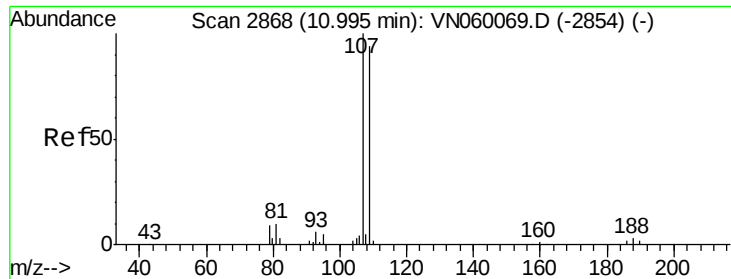
Tot Ion: 43 Resp: 166755
Ion Ratio Lower Upper
43 100
58 53.8 27.5 82.4



#60
Dibromochloromethane
Concen: 18.567 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 129 Resp: 41889
Ion Ratio Lower Upper
129 100
127 76.8 38.0 114.1





#61

1,2-Dibromoethane

Concen: 18.612 ug/l

RT: 10.99 min Scan# 2868

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

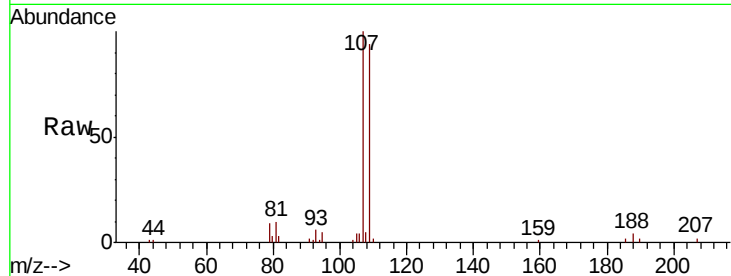
ClientSampleId :

Tot Ion:107 Resp: 38357

Ion Ratio Lower Upper

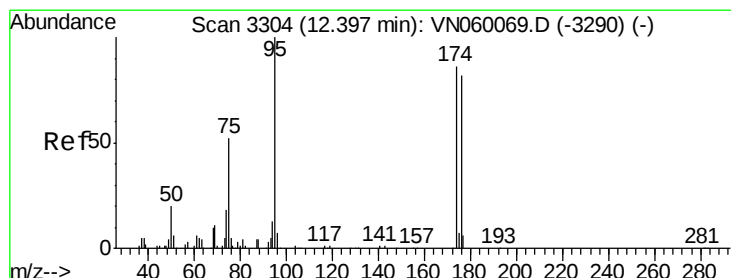
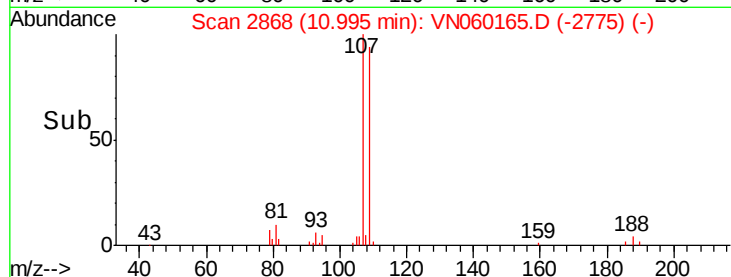
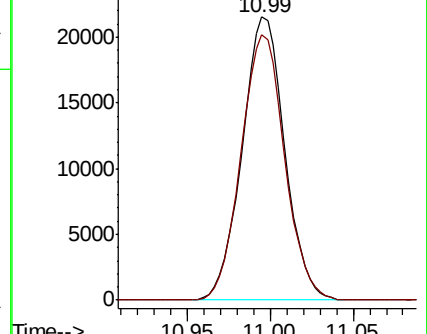
107 100

109 96.1 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 45.456 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

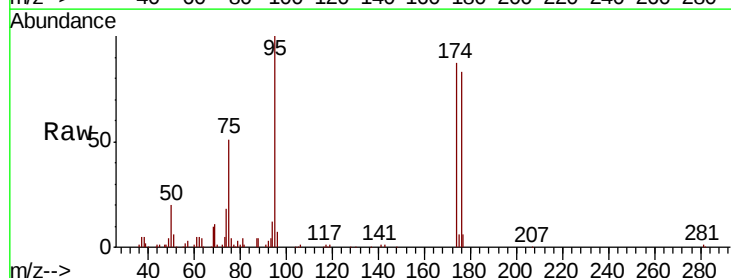
Tgt Ion: 95 Resp: 115641

Ion Ratio Lower Upper

95 100

174 85.9 0.0 169.8

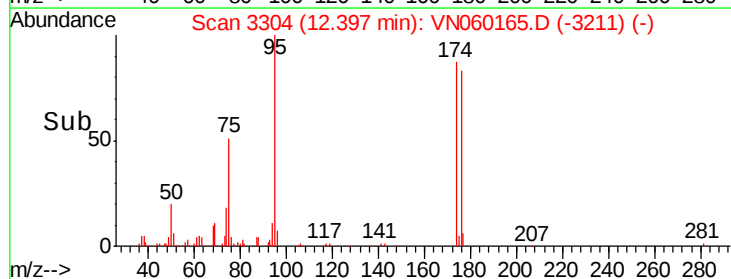
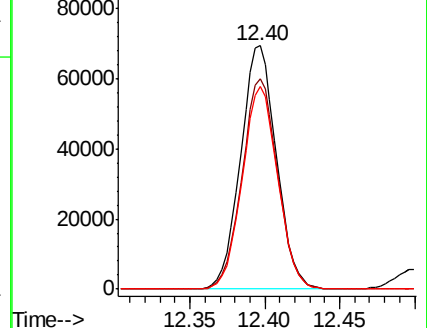
176 82.5 0.0 164.8

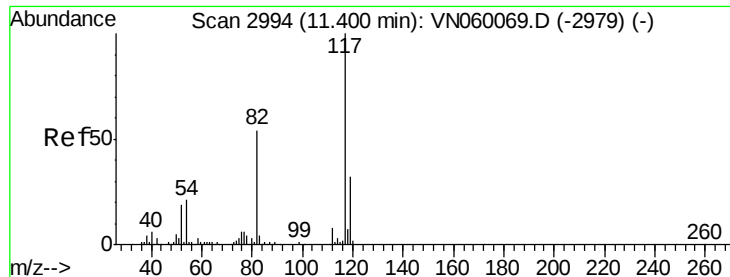


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

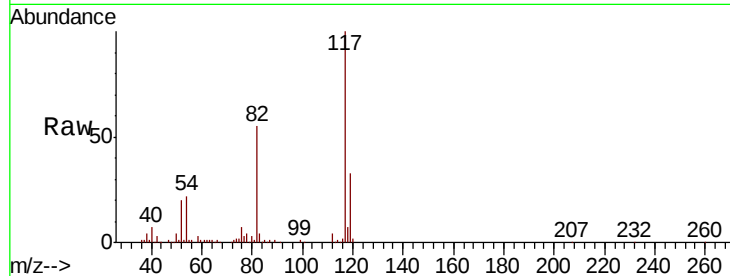




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
117	100		
82	54.9	43.4	65.0
119	32.5	25.8	38.6

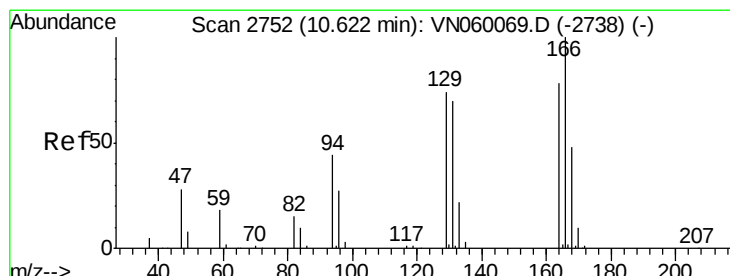
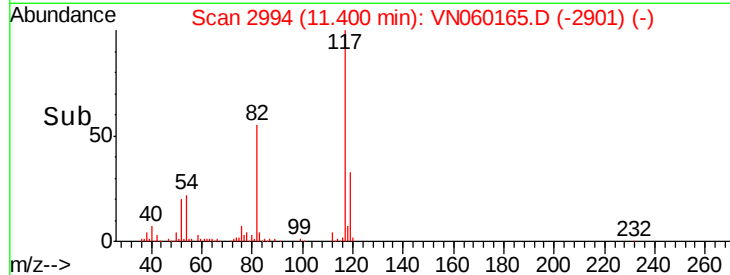
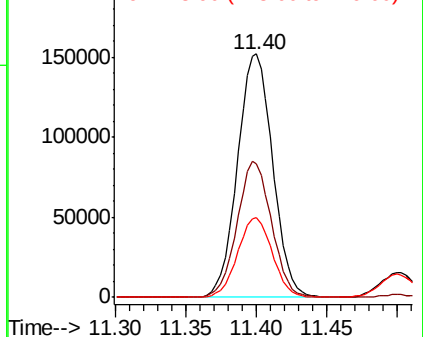


Abundance

Ion 116.90 (116.60 to 117.60): V

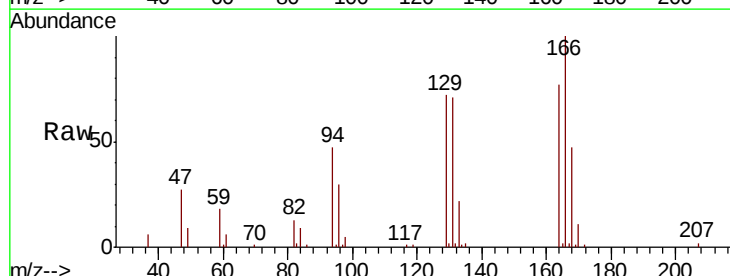
Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64
Tetrachloroethene
Concen: 18.561 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
164	100		
166	129.1	101.9	152.9
129	93.0	75.4	113.0
131	92.2	71.4	107.2



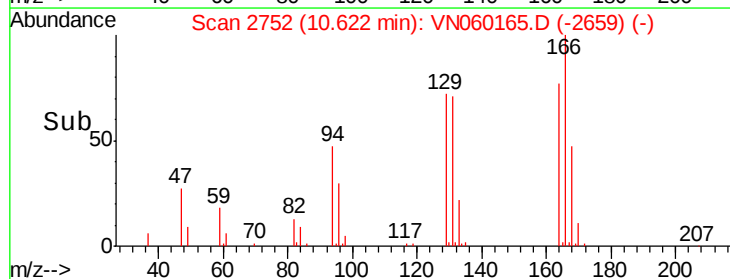
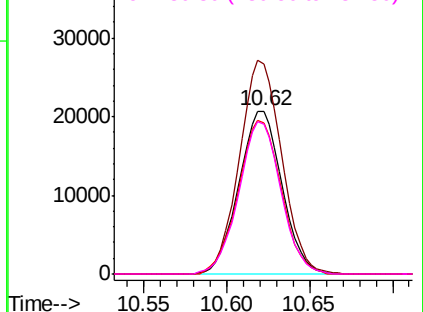
Abundance

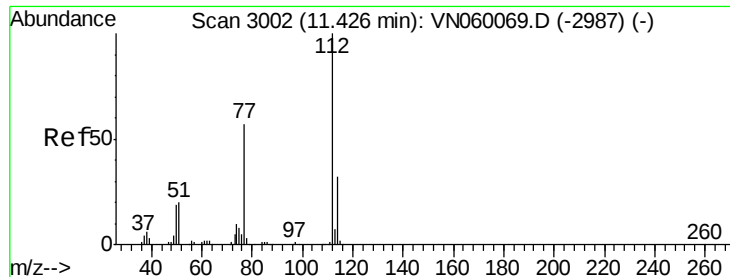
Ion 163.80 (163.50 to 164.50): V

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

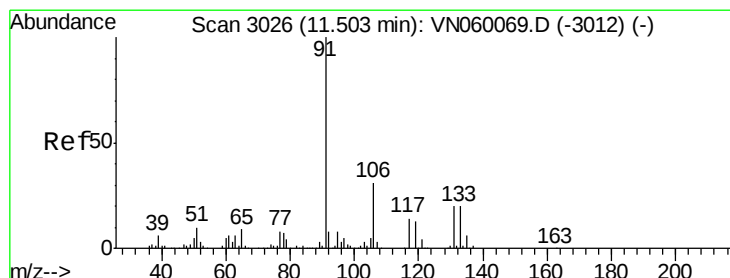
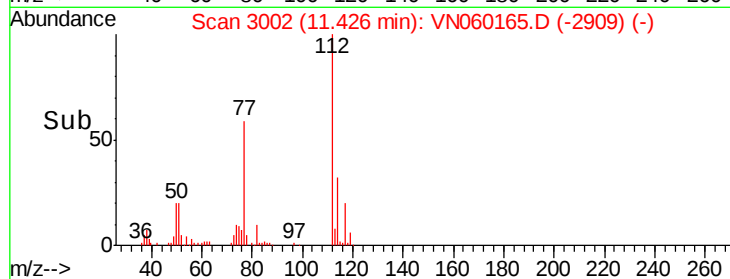
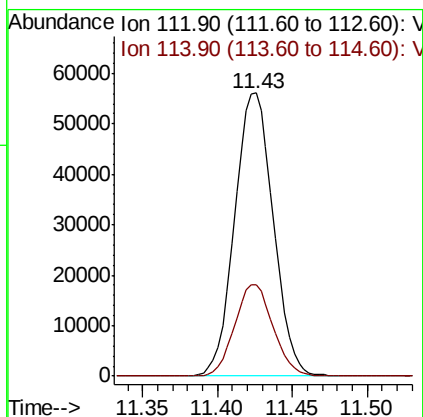
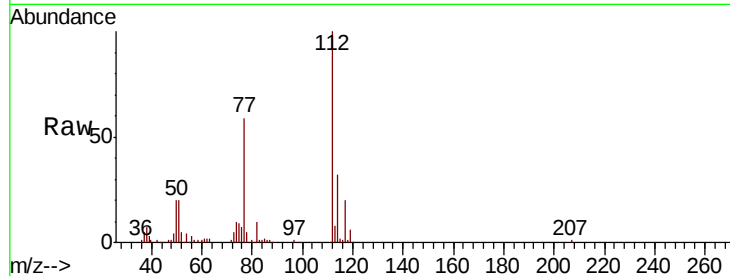




#65
Chlorobenzene
Concen: 18.602 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

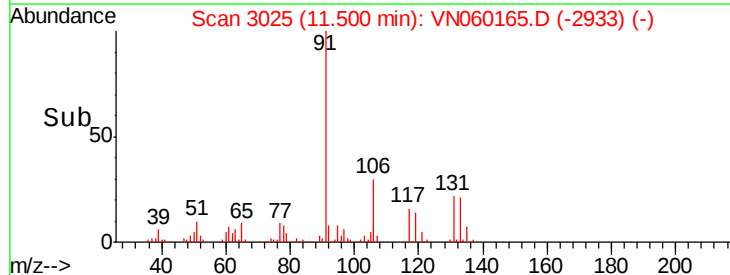
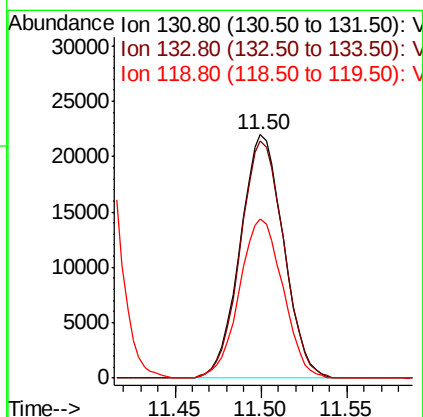
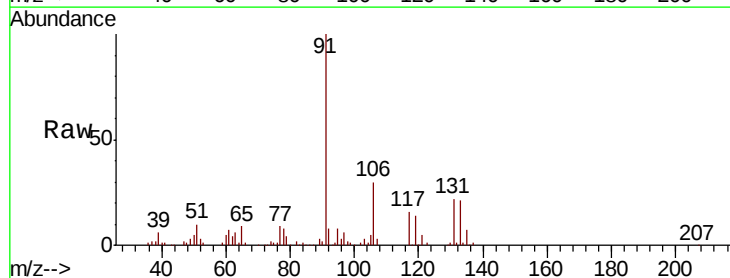
Instrument :
MSVOA_N
ClientSampleId :

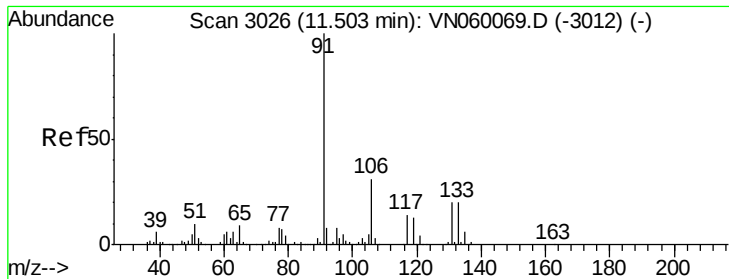
Tot Ion:112 Resp: 100781
Ion Ratio Lower Upper
112 100
114 32.3 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 18.716 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion:131 Resp: 38359
Ion Ratio Lower Upper
131 100
133 97.9 47.9 143.7
119 65.7 32.6 97.7





#67

Ethyl Benzene

Concen: 18.314 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

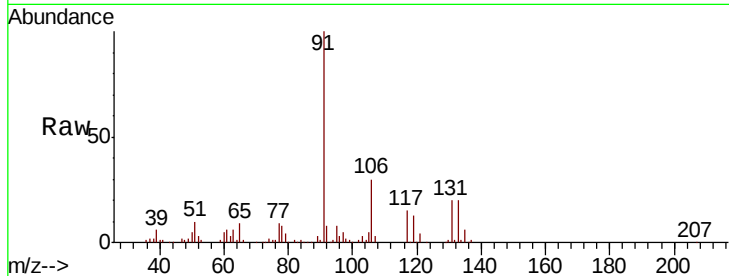
ClientSampled :

Tot Ion: 91 Resp: 178961

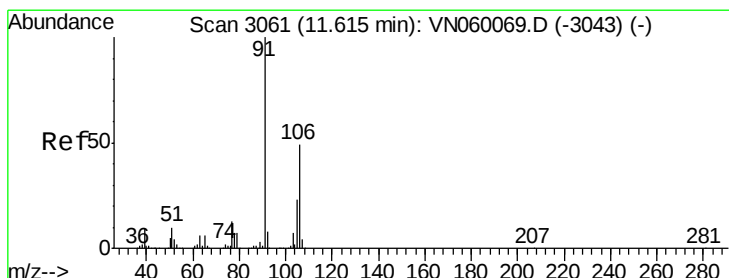
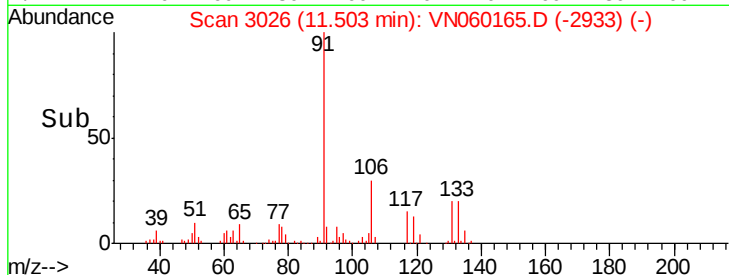
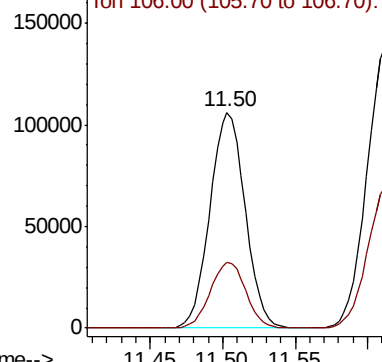
Ion Ratio Lower Upper

91 100

106 30.2 25.1 37.7



Abundance Ion 91.00 (90.70 to 91.70): VN060165.D (-2933) (-)



#68

m/p-Xylenes

Concen: 36.462 ug/l

RT: 11.61 min Scan# 3060

Delta R.T. -0.00 min

Lab File: VN060165.D

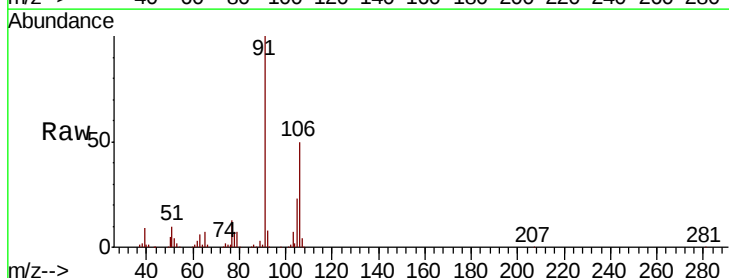
Acq: 20 Feb 2020 12:07

Tgt Ion: 106 Resp: 133721

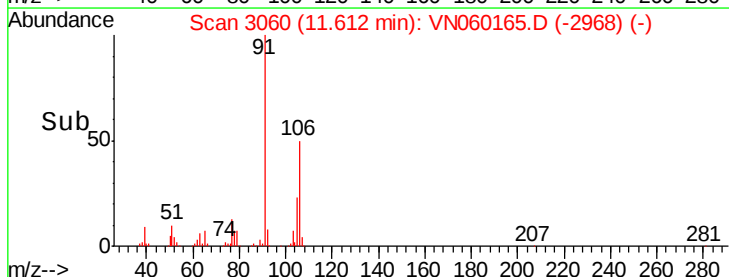
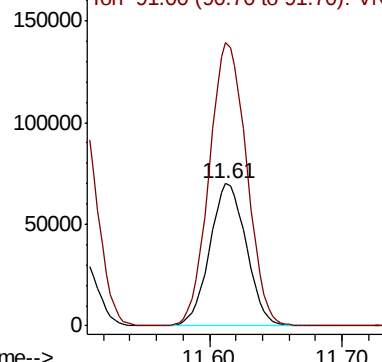
Ion Ratio Lower Upper

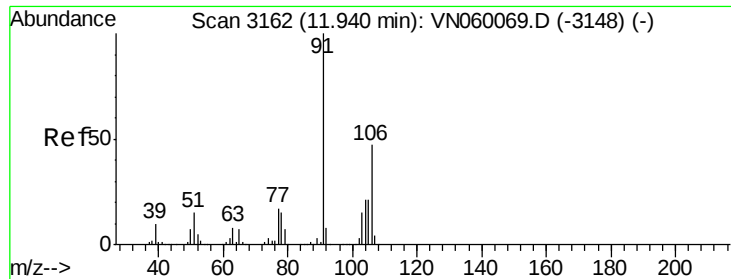
106 100

91 203.2 162.7 244.1



Abundance Ion 106.00 (105.70 to 106.70): VN060165.D (-2968) (-)

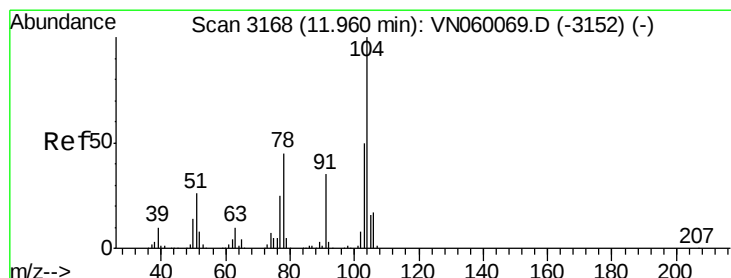
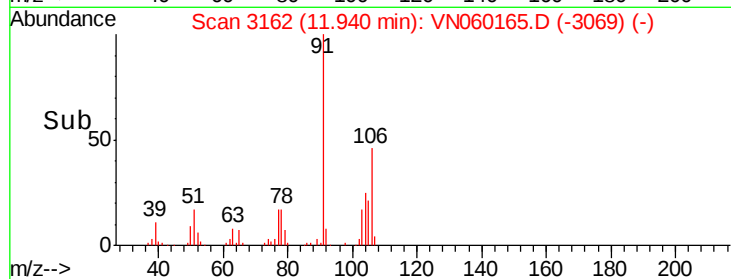
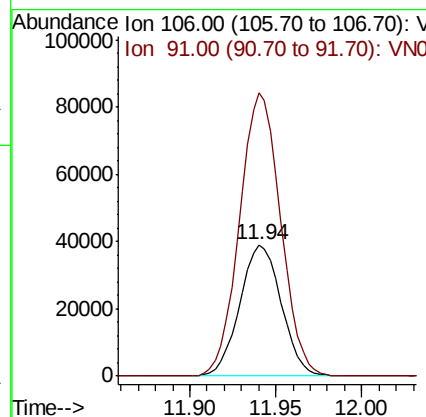
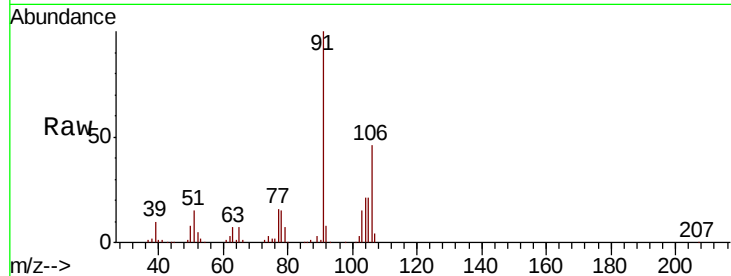




#69
o-Xylene
Concen: 18.559 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

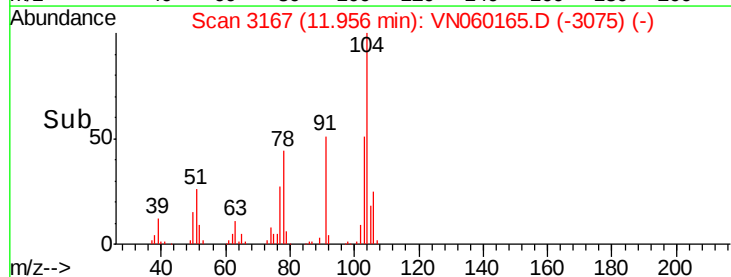
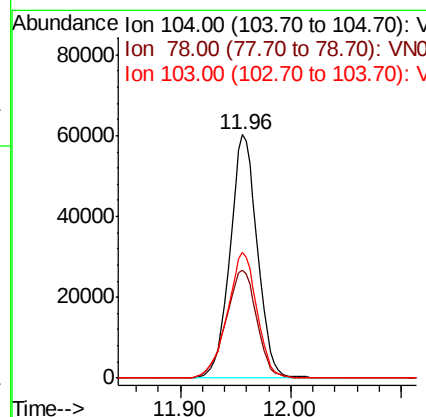
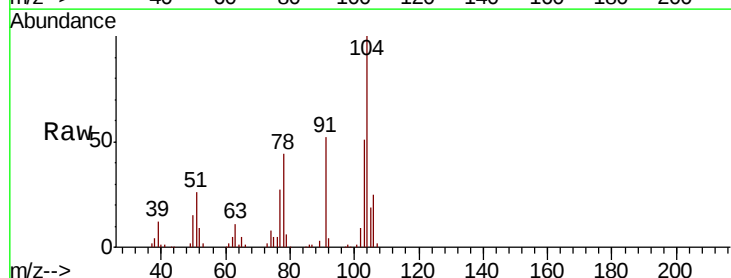
Instrument :
MSVOA_N
ClientSampled :

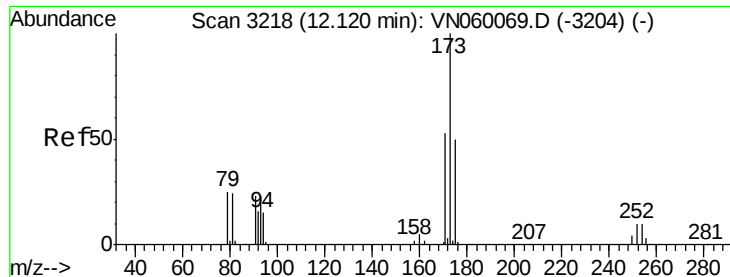
Tot Ion:106 Resp: 65533
Ion Ratio Lower Upper
106 100
91 214.1 107.2 321.6



#70
Styrene
Concen: 18.146 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion:104 Resp: 103328
Ion Ratio Lower Upper
104 100
78 49.8 40.2 60.2
103 55.8 44.3 66.5





#71

Bromoform

Concen: 18.566 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

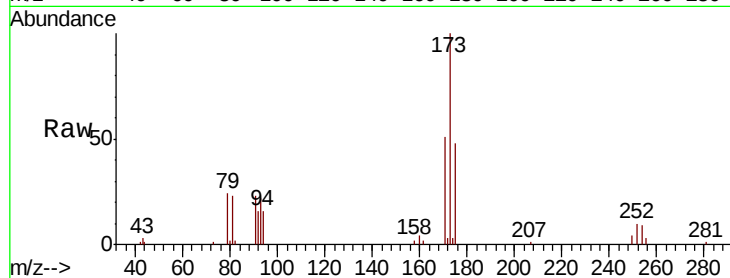
Tot Ion:173 Resp: 30606

Ion Ratio Lower Upper

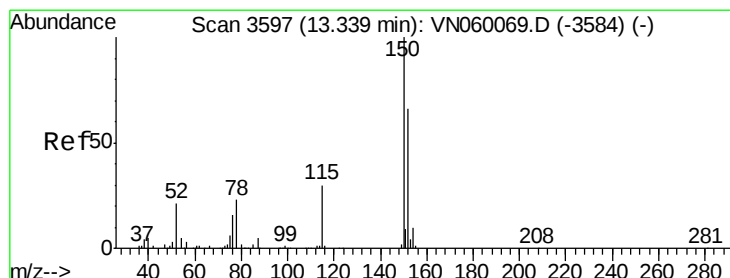
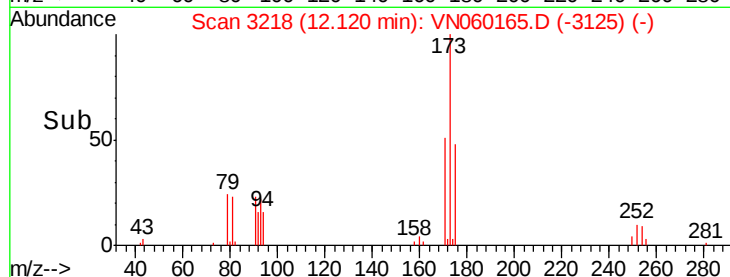
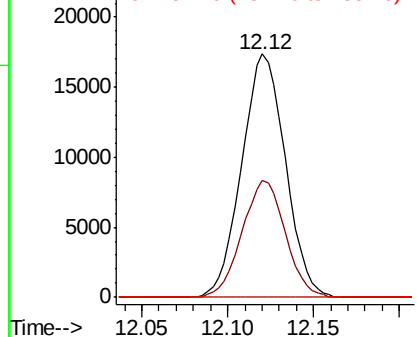
173 100

175 47.5 24.9 74.6

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: 13.34 min Scan# 3597

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

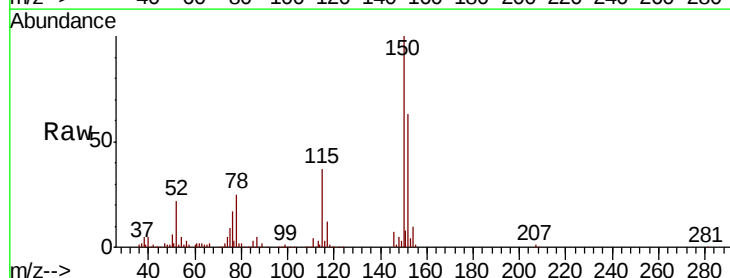
Tgt Ion:152 Resp: 126723

Ion Ratio Lower Upper

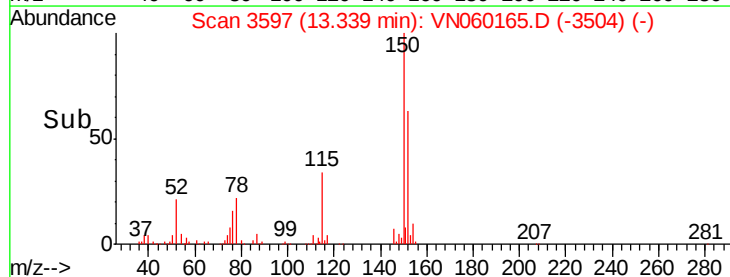
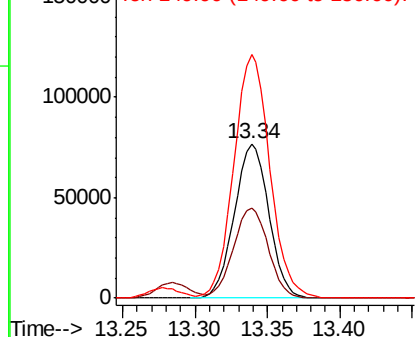
152 100

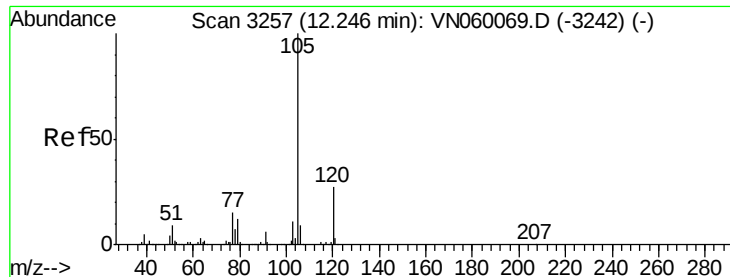
115 59.1 28.9 86.8

150 164.8 0.0 342.4



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: 18.642 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

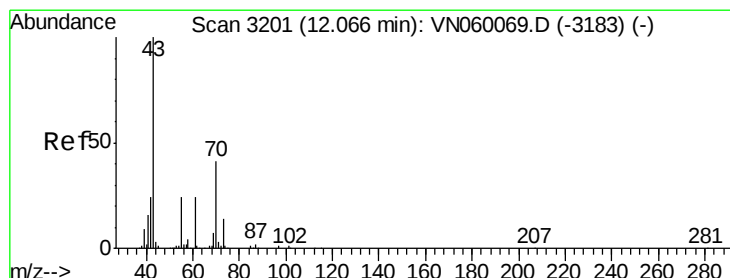
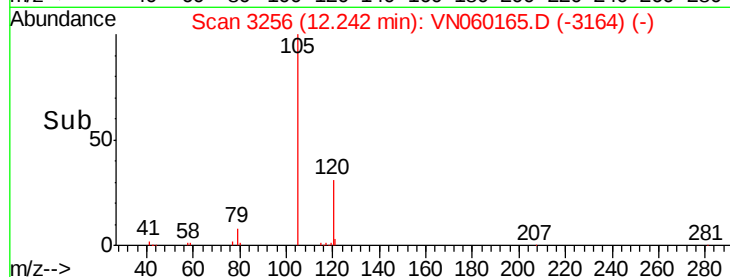
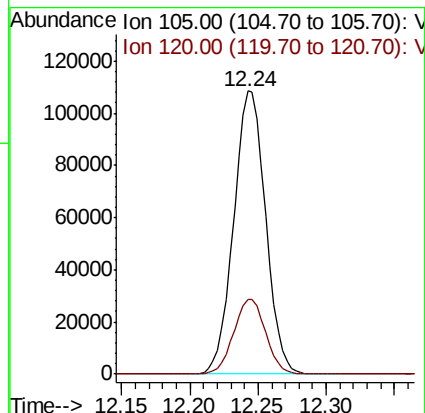
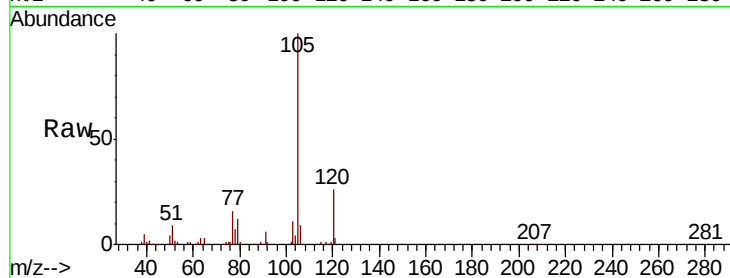
ClientSampleId :

Tot Ion: 105 Resp: 176410

Ion Ratio Lower Upper

105 100

120 26.5 13.3 39.8



#74

N-ethyl acetate

Concen: 19.359 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Tgt Ion: 43 Resp: 66060

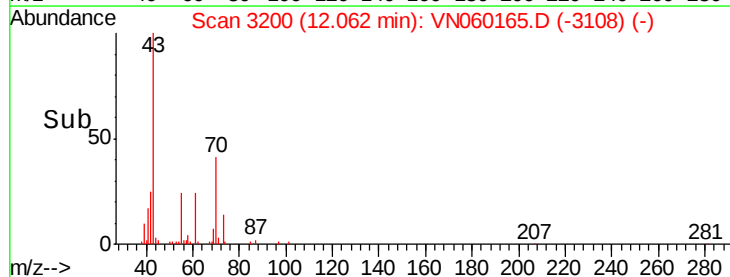
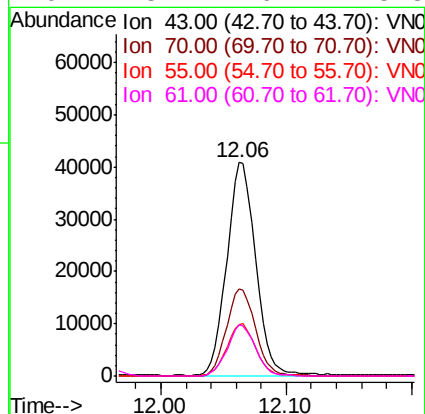
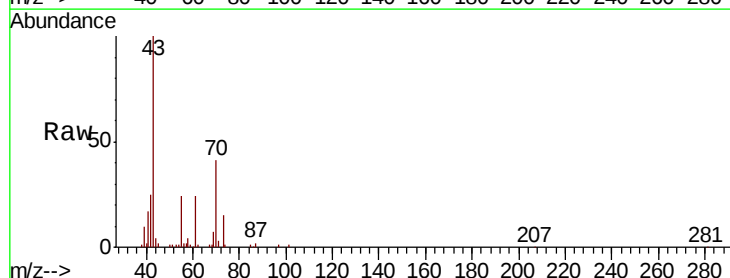
Ion Ratio Lower Upper

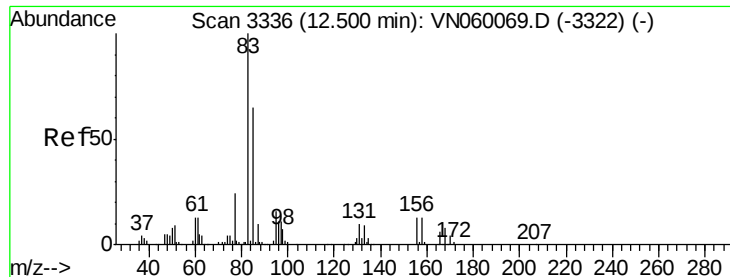
43 100

70 40.6 33.4 50.0

55 24.1 18.8 28.2

61 23.1 19.2 28.8





#75

1,1,2,2-Tetrachloroethane

Concen: 19.581 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

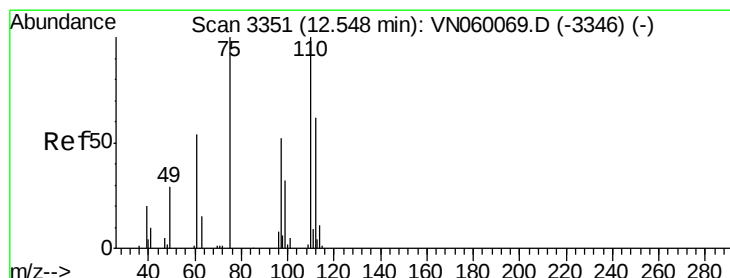
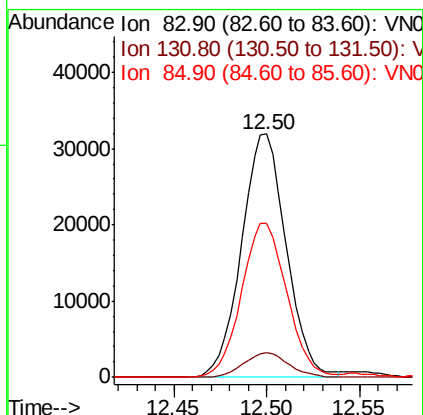
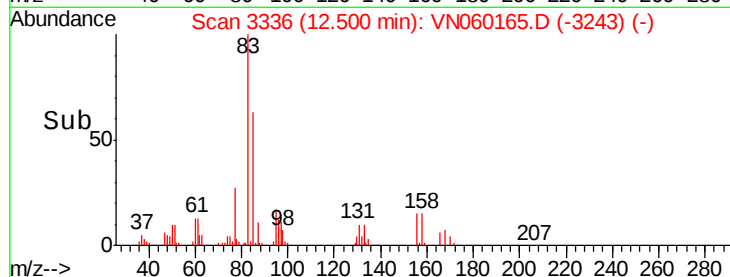
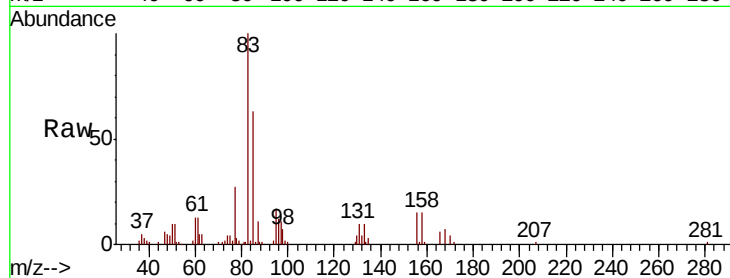
Tot Ion: 83 Resp: 53335

Ion Ratio Lower Upper

83 100

131 10.2 5.2 15.6

85 64.3 32.3 96.9



#76

1,2,3-Trichloropropane

Concen: 28.987 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN060165.D

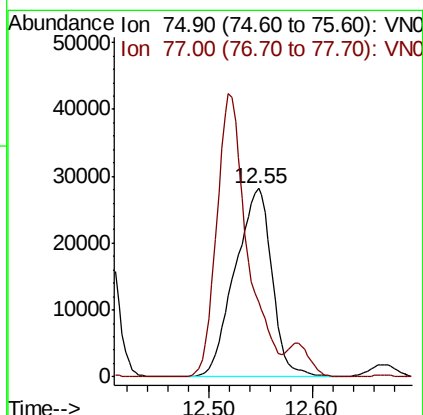
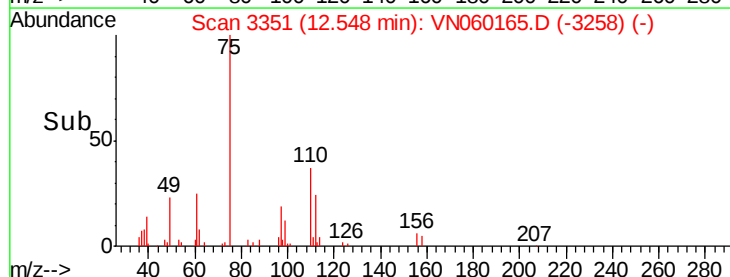
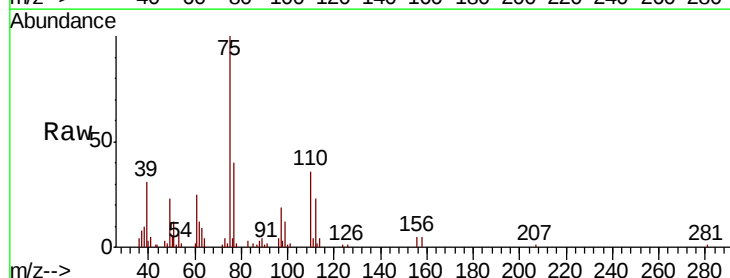
Acq: 20 Feb 2020 12:07

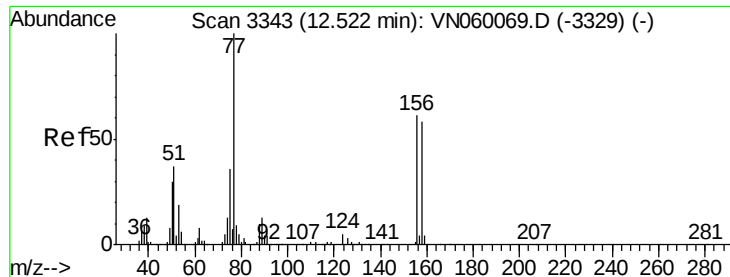
Tgt Ion: 75 Resp: 70278

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 18.928 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampled :

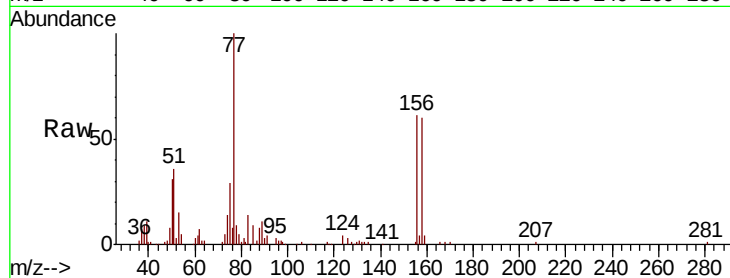
Tot Ion:156 Resp: 44452

Ion Ratio Lower Upper

156 100

77 197.3 98.7 296.1

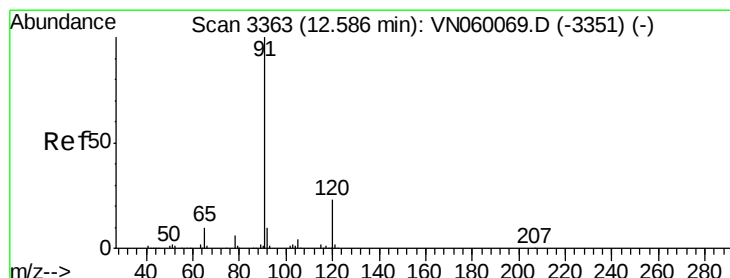
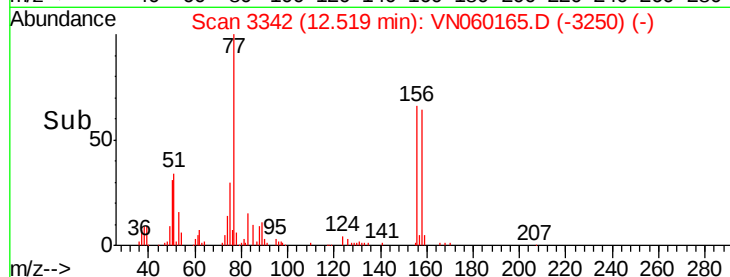
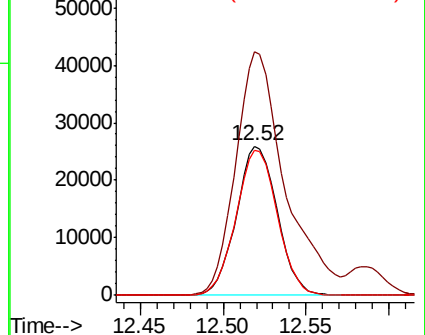
158 98.1 48.1 144.4



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.516 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN060165.D

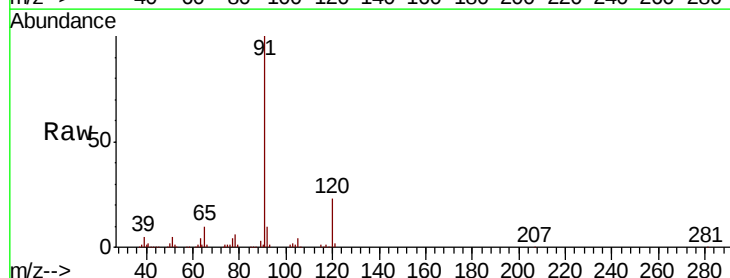
Acq: 20 Feb 2020 12:07

Tgt Ion: 91 Resp: 199629

Ion Ratio Lower Upper

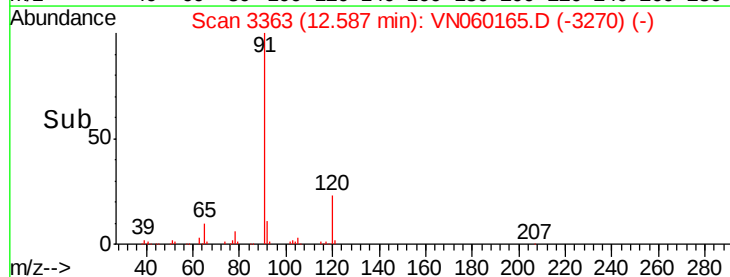
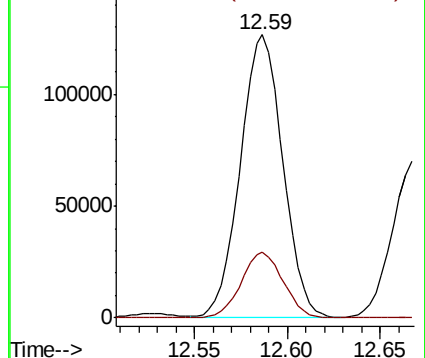
91 100

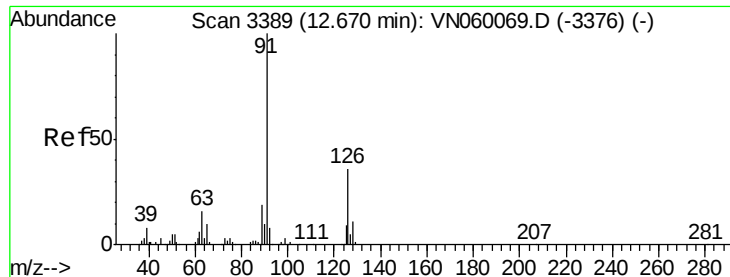
120 23.2 11.5 34.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.528 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

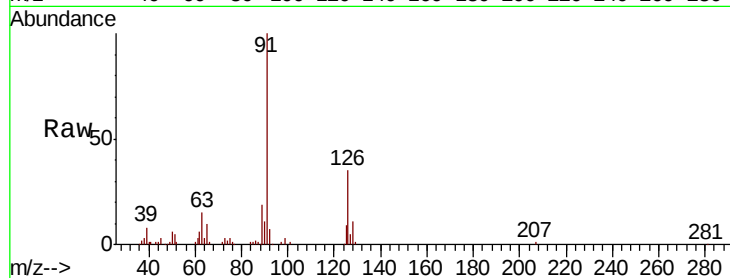
ClientSampled :

Tot Ion: 91 Resp: 117415

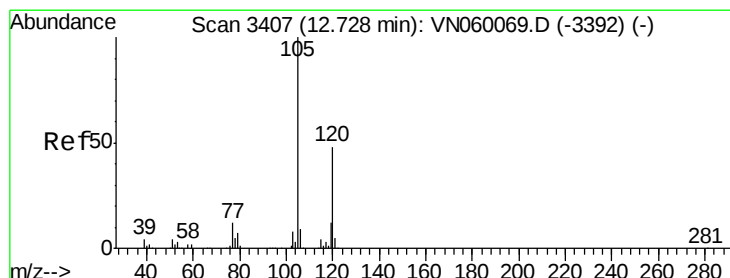
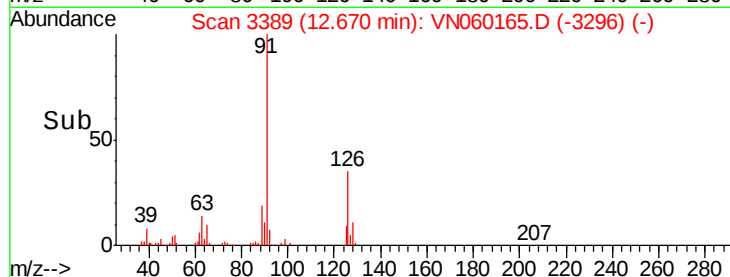
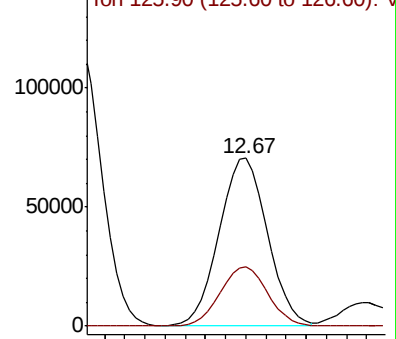
Ion Ratio Lower Upper

91 100

126 35.0 17.4 52.2



Abundance Ion 91.00 (90.70 to 91.70): VN060165.D (-3376) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.757 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN060165.D

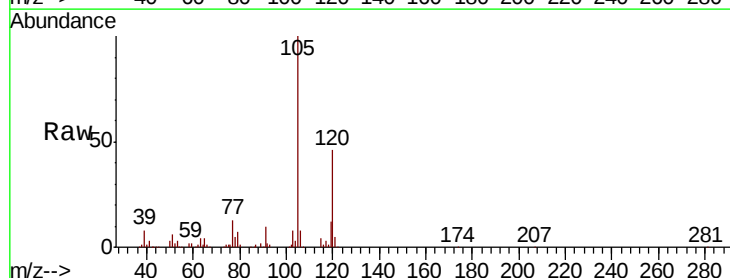
Acq: 20 Feb 2020 12:07

Tgt Ion: 105 Resp: 147580

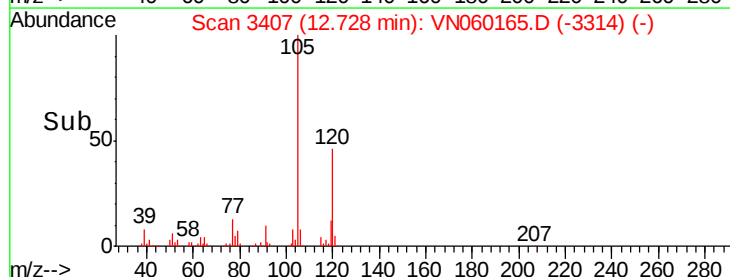
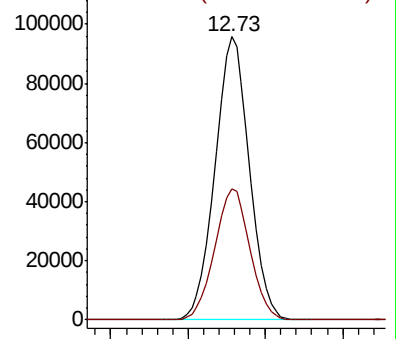
Ion Ratio Lower Upper

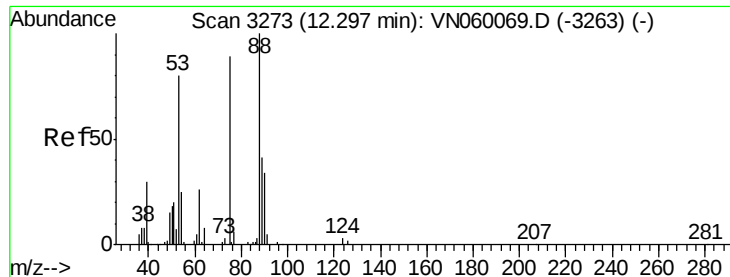
105 100

120 47.4 24.3 72.9



Abundance Ion 105.00 (104.70 to 105.70): VN060165.D (-3392) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 18.884 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

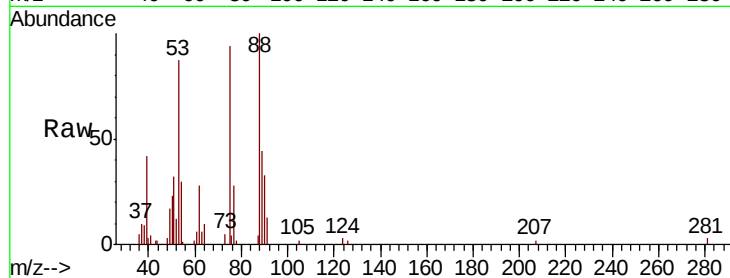
Tot Ion: 75 Resp: 18699

Ion	Ratio	Lower	Upper
75	100		
53	95.0	73.9	110.9
89	47.6	37.0	55.4

75 100

53 95.0 73.9 110.9

89 47.6 37.0 55.4

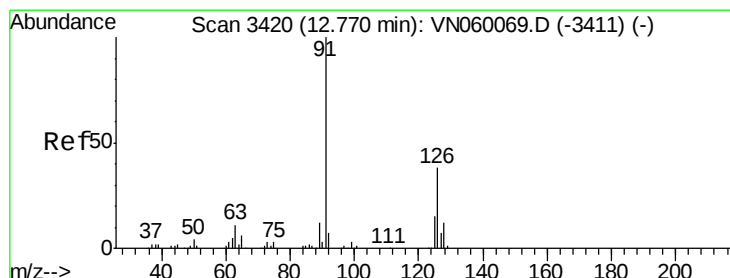
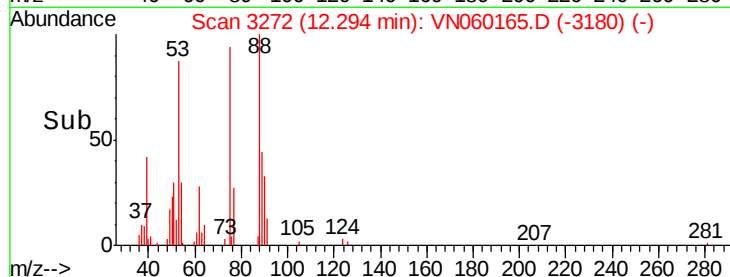
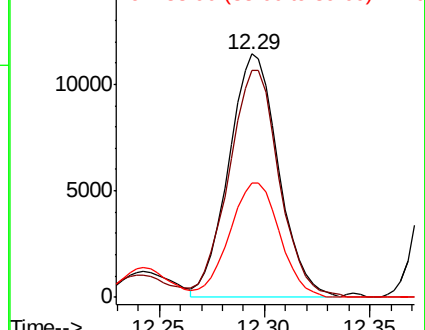


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.663 ug/l

RT: 12.77 min Scan# 3419

Delta R.T. -0.00 min

Lab File: VN060165.D

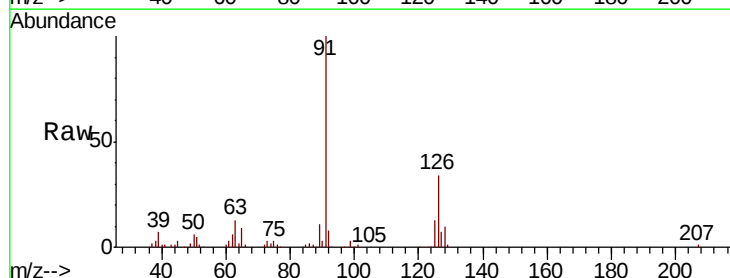
Acq: 20 Feb 2020 12:07

Tgt Ion: 91 Resp: 121336

Ion	Ratio	Lower	Upper
91	100		
126	33.7	17.1	51.3

91 100

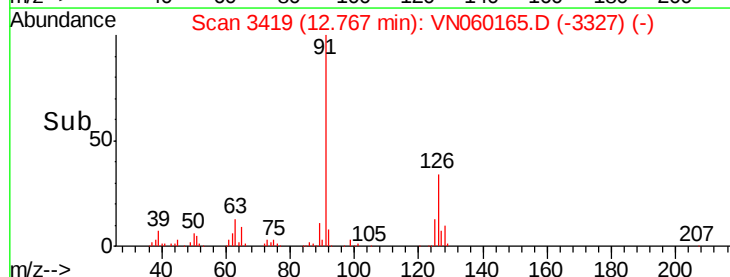
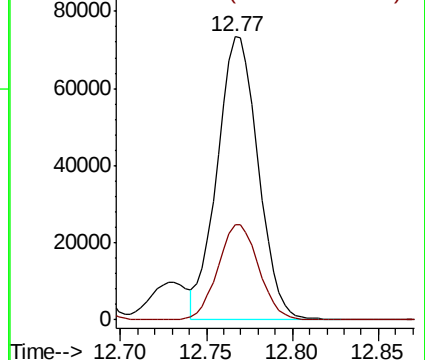
126 33.7 17.1 51.3

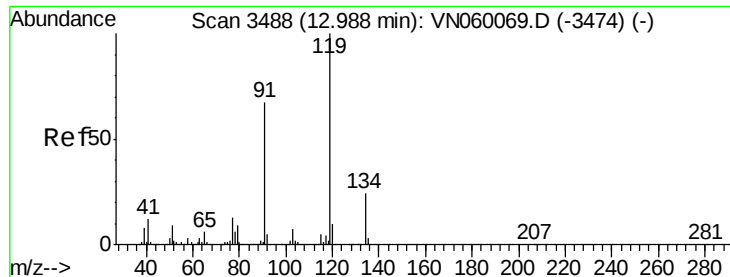


Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.394 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampled :

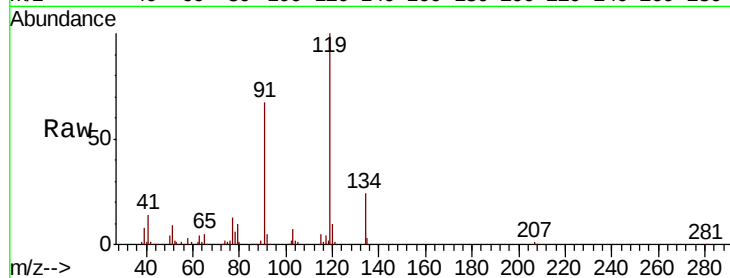
Tot Ion:119 Resp: 128029

Ion Ratio Lower Upper

119 100

91 65.3 32.7 98.1

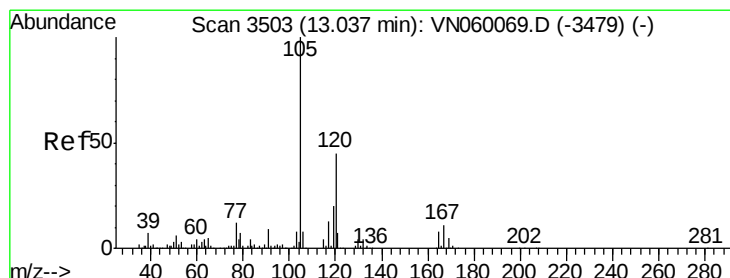
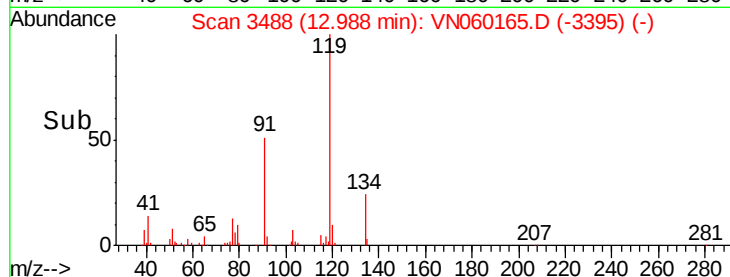
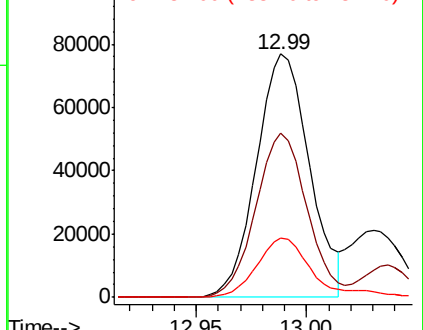
134 25.4 12.9 38.7



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): V

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 18.898 ug/l

RT: 13.04 min Scan# 3503

Delta R.T. 0.00 min

Lab File: VN060165.D

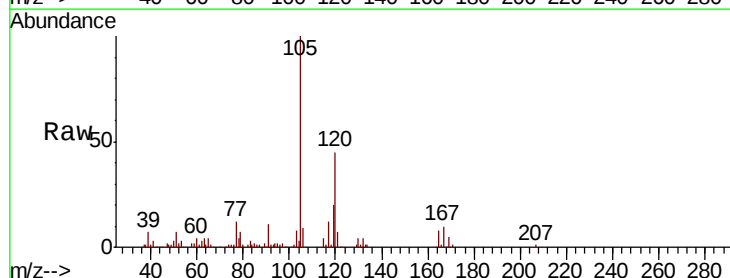
Acq: 20 Feb 2020 12:07

Tgt Ion:105 Resp: 146779

Ion Ratio Lower Upper

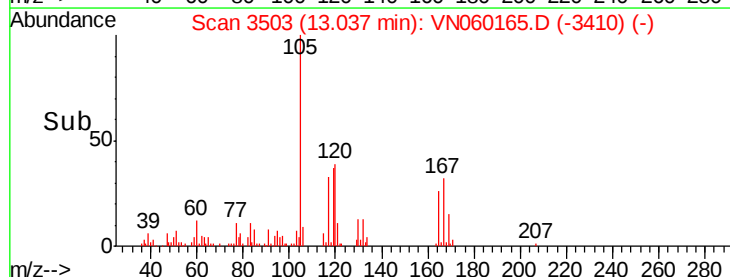
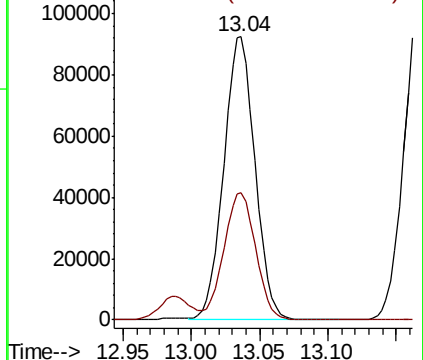
105 100

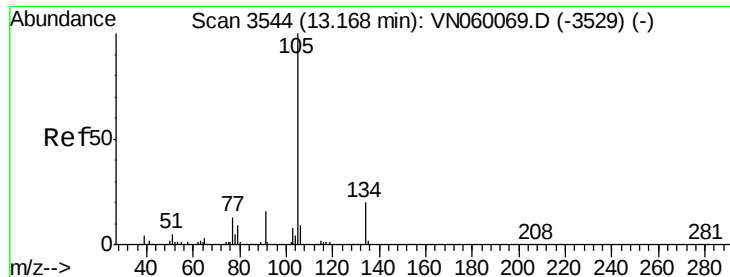
120 45.8 22.4 67.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.296 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

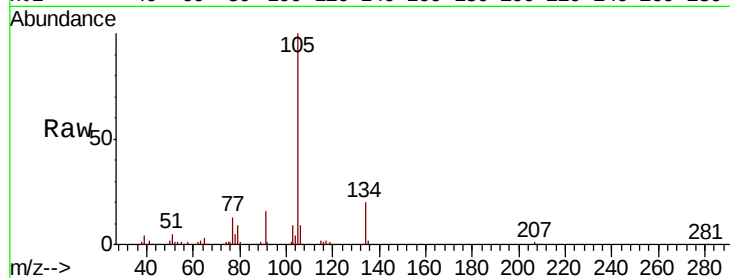
ClientSampled :

Tot Ion:105 Resp: 168648

Ion Ratio Lower Upper

105 100

134 20.0 9.9 29.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

100000

80000

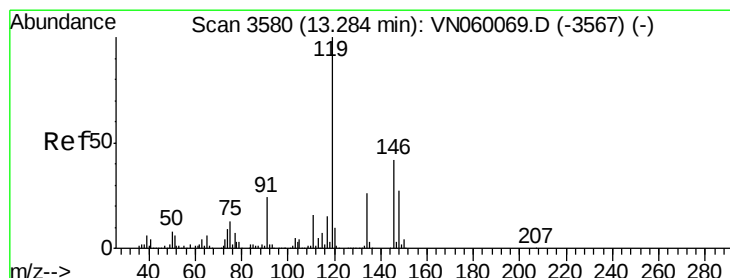
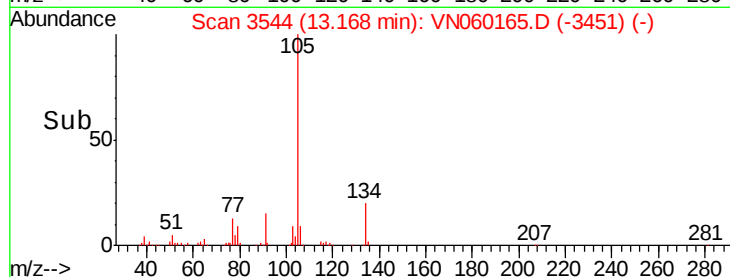
60000

40000

20000

0

Time--> 13.10 13.15 13.20



#86

p-Isopropyltoluene

Concen: 18.685 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

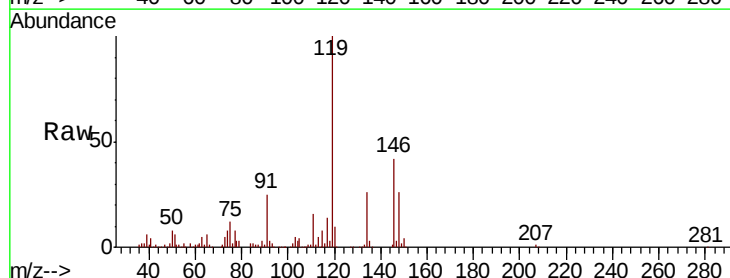
Tgt Ion:119 Resp: 156052

Ion Ratio Lower Upper

119 100

134 25.9 13.3 39.8

91 24.3 11.9 35.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

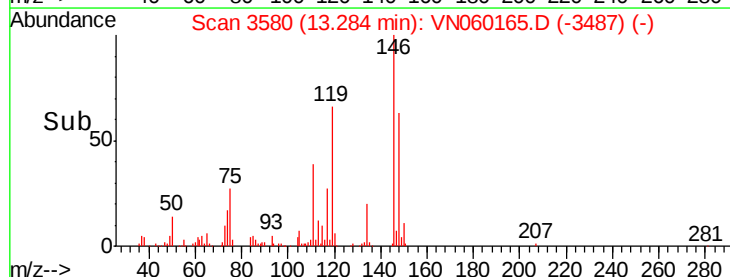
Ion 91.00 (90.70 to 91.70): V

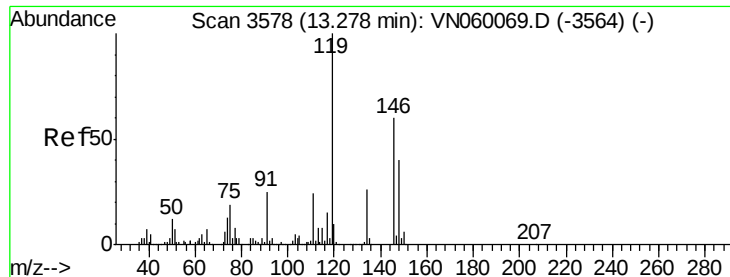
100000

50000

0

Time--> 13.20 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 18.850 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

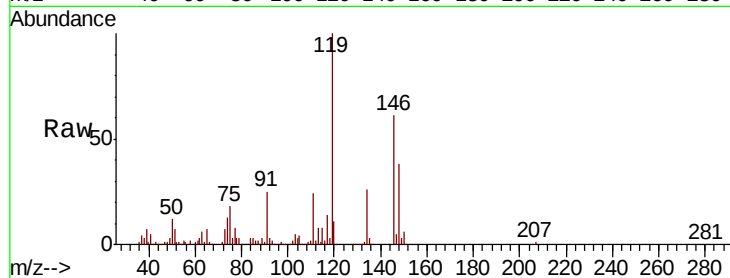
Tot Ion:146 Resp: 78358

Ion Ratio Lower Upper

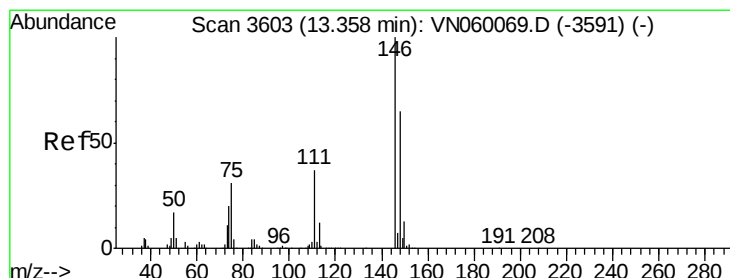
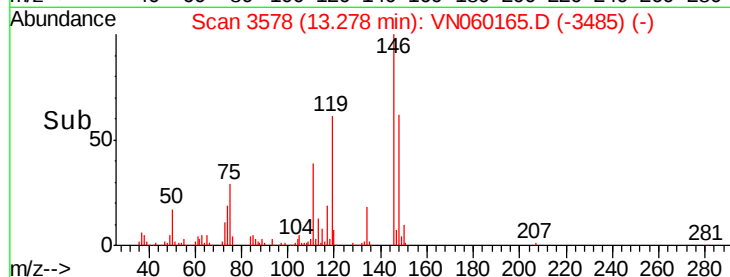
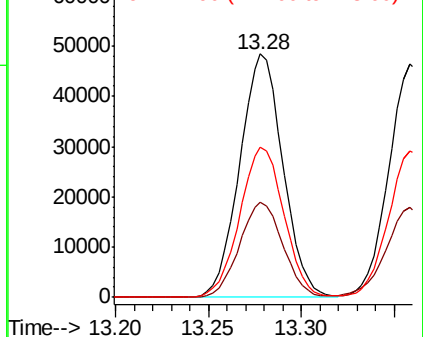
146 100

111 39.3 19.8 59.3

148 62.9 32.0 96.2



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: 18.596 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

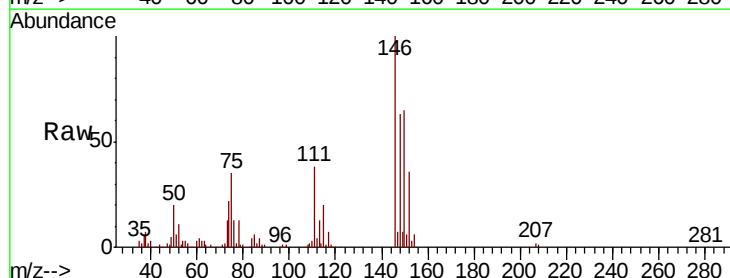
Tgt Ion:146 Resp: 77288

Ion Ratio Lower Upper

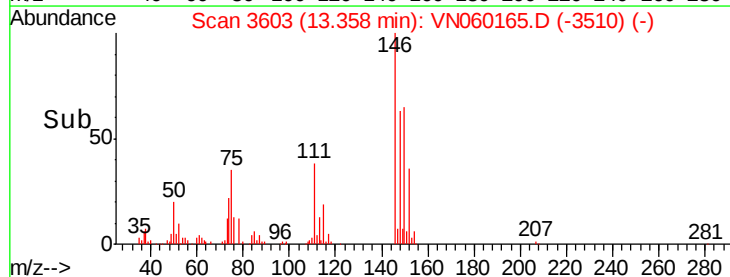
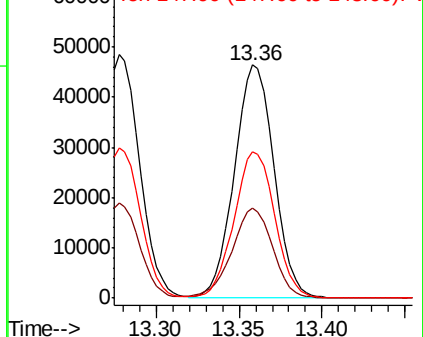
146 100

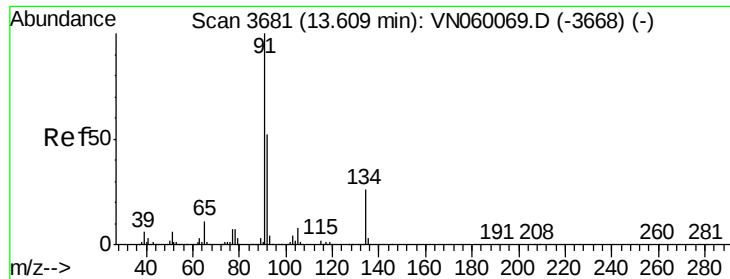
111 39.6 18.9 56.5

148 64.4 32.0 96.0



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

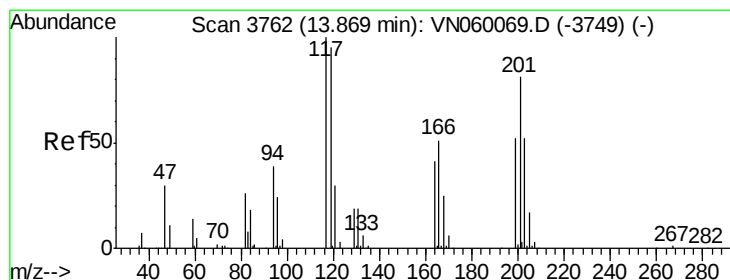
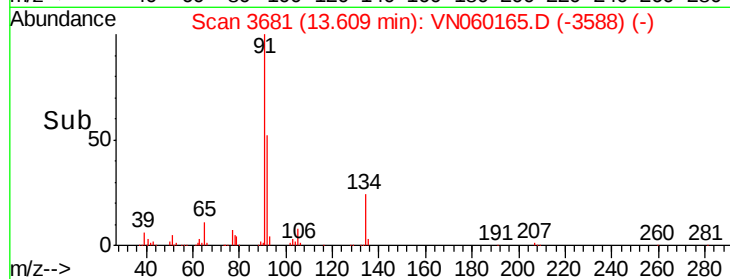
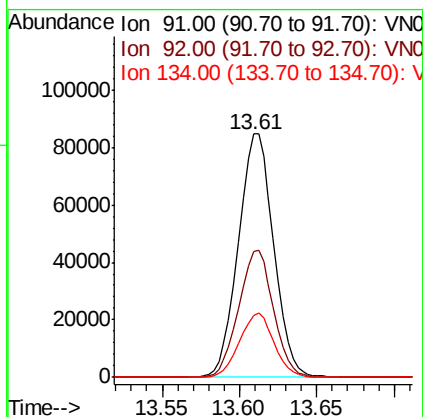
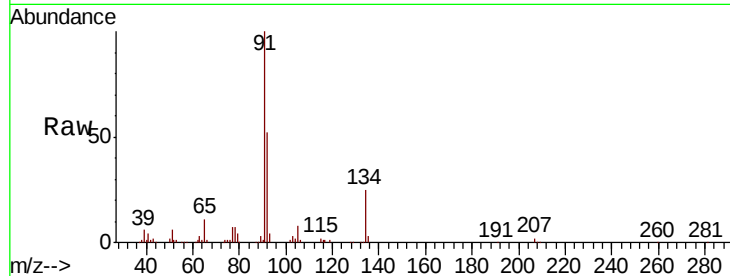




#89
n-Butylbenzene
Concen: 18.328 ug/l
RT: 13.61 min Scan# 3681
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

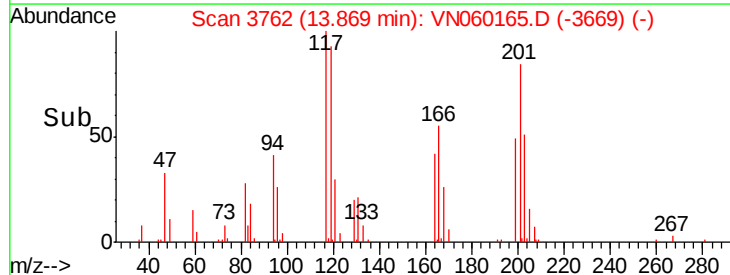
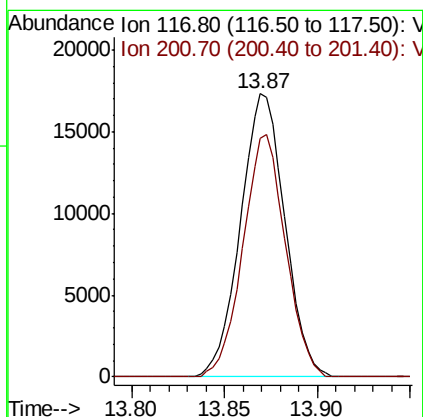
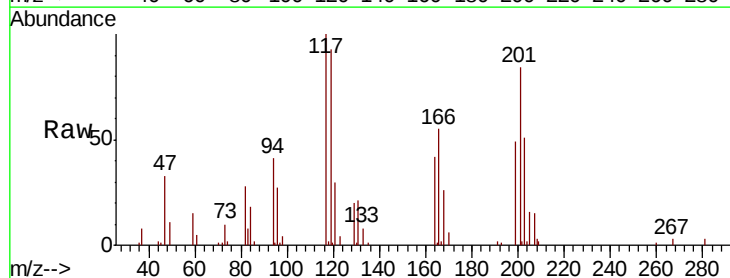
Instrument :
MSVOA_N
ClientSampled :

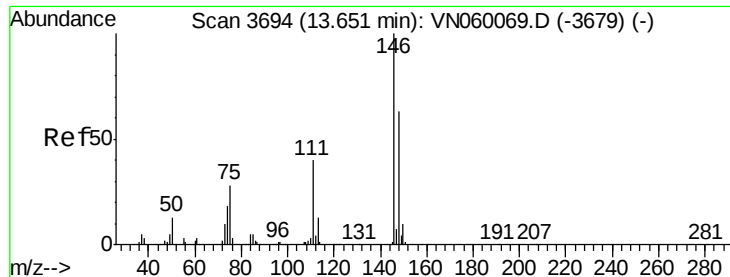
Tot Ion: 91 Resp: 134637
Ion Ratio Lower Upper
91 100
92 51.3 26.1 78.2
134 25.8 13.1 39.3



#90
Hexachloroethane
Concen: 18.407 ug/l
RT: 13.87 min Scan# 3762
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion: 117 Resp: 28720
Ion Ratio Lower Upper
117 100
201 81.8 41.7 125.1

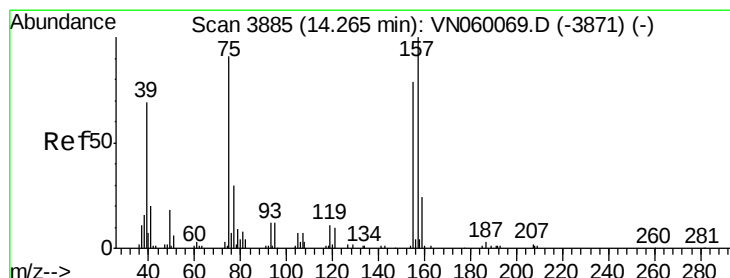
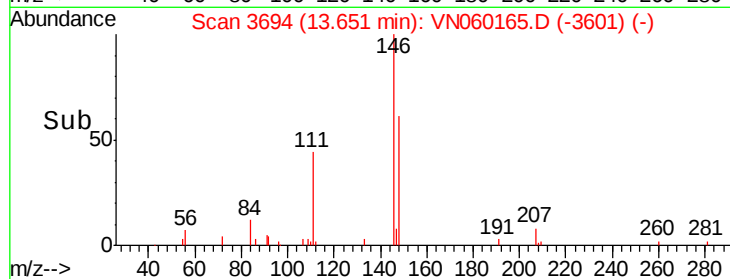
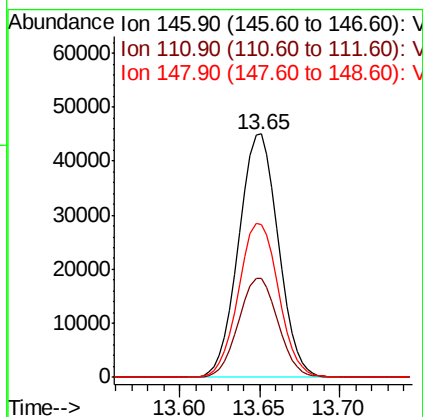
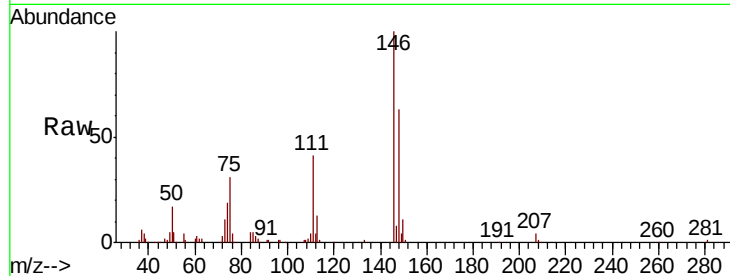




#91
 1,2-Dichlorobenzene
 Concen: 18.732 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

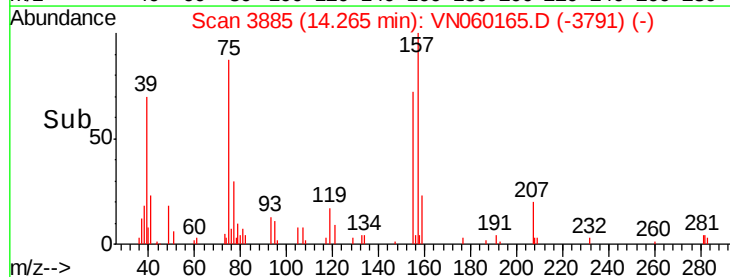
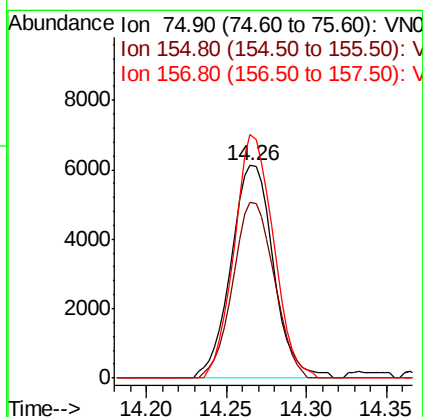
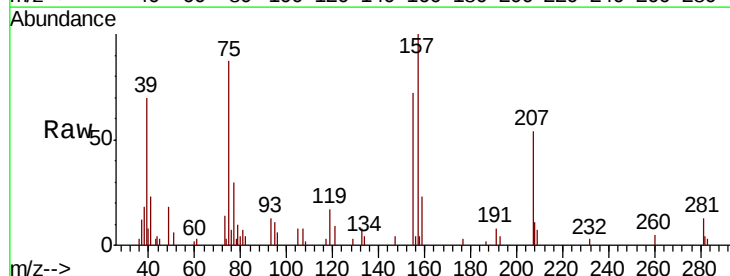
Instrument :
 MSVOA_N
 ClientSampleId :

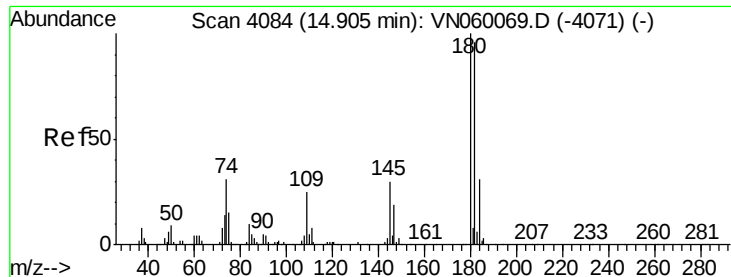
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.7	20.1	60.2
148	64.1	31.9	95.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.614 ug/l
 RT: 14.26 min Scan# 3885
 Delta R.T. 0.00 min
 Lab File: VN060165.D
 Acq: 20 Feb 2020 12:07

Tgt Ion	Ratio	Lower	Upper
75	100		
155	80.3	43.0	129.0
157	105.7	54.9	164.5





#93

1,2,4-Trichlorobenzene

Concen: 19.037 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

Instrument :

MSVOA_N

ClientSampleId :

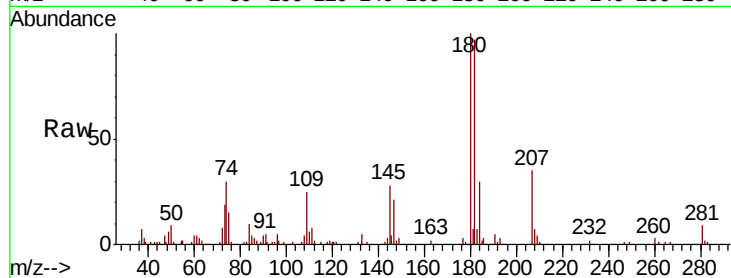
Tot Ion:180 Resp: 45506

Ion Ratio Lower Upper

180 100

182 93.2 47.9 143.8

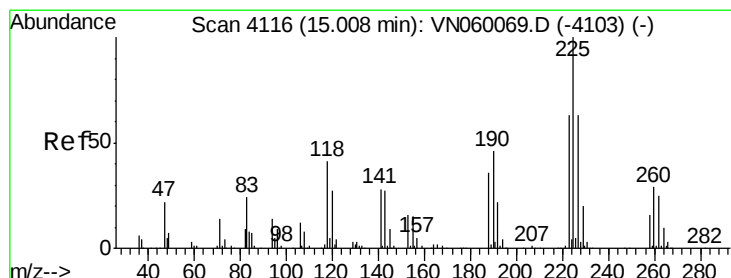
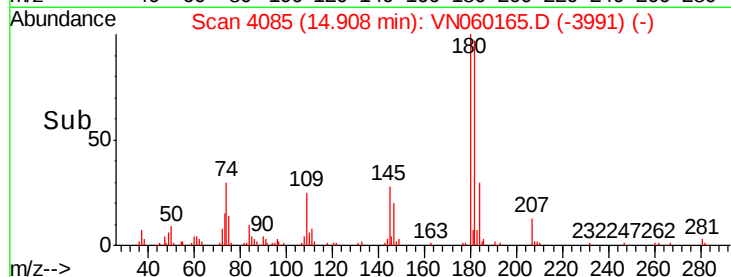
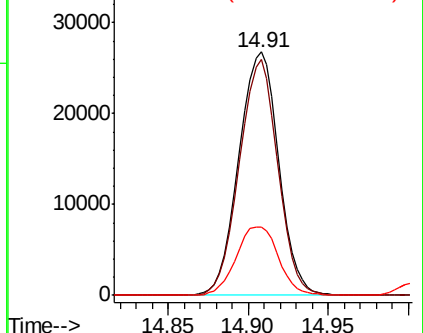
145 29.9 15.2 45.5



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 18.210 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN060165.D

Acq: 20 Feb 2020 12:07

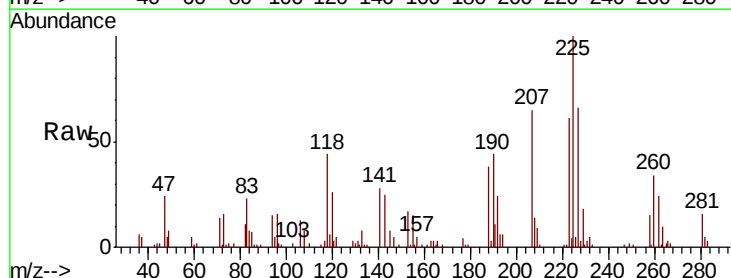
Tgt Ion:225 Resp: 25483

Ion Ratio Lower Upper

225 100

223 64.1 31.5 94.5

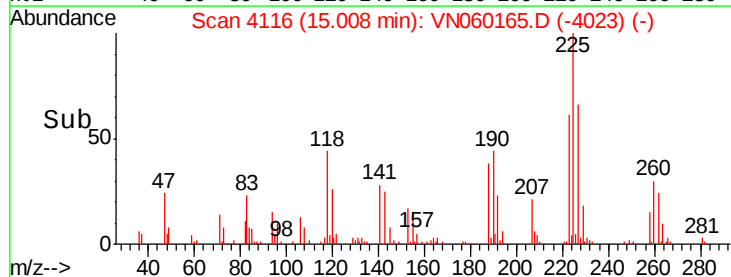
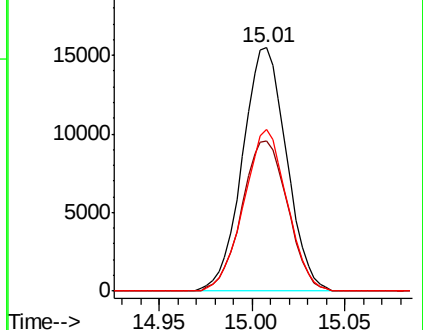
227 65.3 31.8 95.4

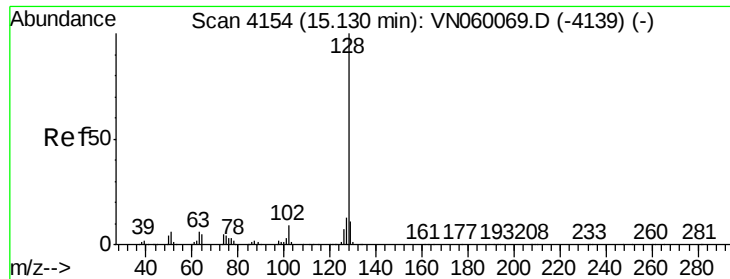


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

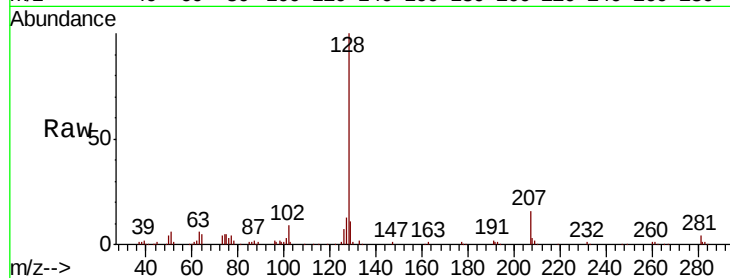




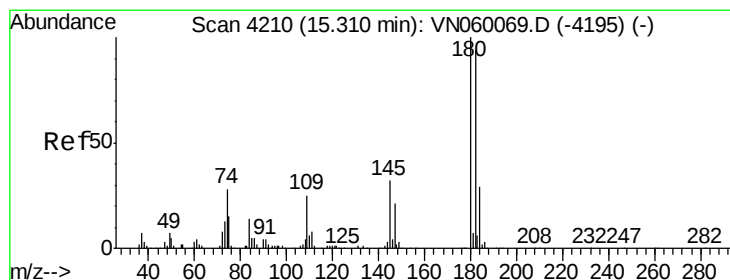
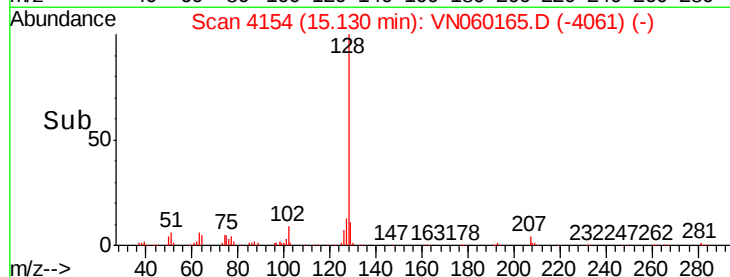
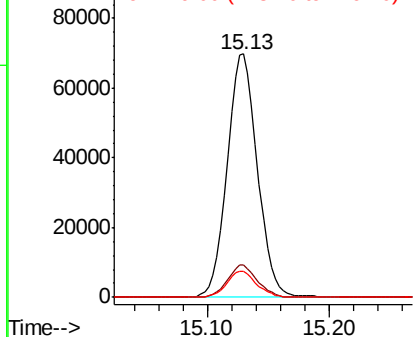
#95
Naphthalene
Concen: 18.666 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 120528
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 10.5 8.6 13.0

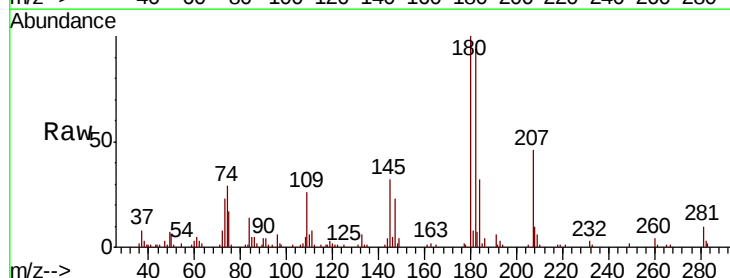


Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96
1,2,3-Trichlorobenzene
Concen: 18.877 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN060165.D
Acq: 20 Feb 2020 12:07

Tgt Ion:180 Resp: 44935
Ion Ratio Lower Upper
180 100
182 93.9 47.5 142.5
145 32.1 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

