

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059046.D
 Acq On : 31 Oct 2019 17:50
 Operator : JC/SP
 Sample : K5626-08MS
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:13:46 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	383719	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	602774	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568328	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	281676	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	276206	49.08	ug/l	0.00
Spiked Amount			Recovery	=	98.16%	
35) Dibromofluoromethane	7.57	113	211776	53.44	ug/l	0.00
Spiked Amount			Recovery	=	106.88%	
50) Toluene-d8	10.08	98	787760	51.21	ug/l	0.00
Spiked Amount			Recovery	=	102.42%	
62) 4-Bromofluorobenzene	12.41	95	302314	53.51	ug/l	0.00
Spiked Amount			Recovery	=	107.02%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	198934	41.581	ug/l	100
3) Chloromethane	2.04	50	252378	42.593	ug/l	99
4) Vinyl Chloride	2.17	62	264574	44.971	ug/l	98
5) Bromomethane	2.53	94	105674	28.683	ug/l	97
6) Chloroethane	2.68	64	164319	43.553	ug/l	99
7) Trichlorofluoromethane	2.99	101	335785	46.127	ug/l	98
8) Diethyl Ether	3.39	74	129149	51.339	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	194351	48.159	ug/l	98
10) Methyl Iodide	3.93	142	183632	34.597	ug/l	98
11) Tert butyl alcohol	4.76	59	240254	257.254	ug/l	99
12) 1,1-Dichloroethene	3.71	96	180596	47.742	ug/l	98
13) Acrolein	3.58	56	119273	185.871	ug/l	96
14) Allyl chloride	4.30	41	378155	49.403	ug/l	96
15) Acrylonitrile	4.96	53	657025	279.683	ug/l	99
16) Acetone	3.79	43	558446	200.812	ug/l	98
17) Carbon Disulfide	4.03	76	491730	40.354	ug/l	100
18) Methyl Acetate	4.30	43	351549	55.603	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	705926	53.295	ug/l	98
20) Methylene Chloride	4.53	84	224685	47.317	ug/l	97
21) trans-1,2-Dichloroethene	5.01	96	199878	47.846	ug/l	97
22) Diisopropyl ether	5.93	45	799230	53.381	ug/l	96
23) Vinyl Acetate	5.87	43	3333787	277.148	ug/l	99
24) 1,1-Dichloroethane	5.82	63	427960	49.296	ug/l	99
25) 2-Butanone	6.81	43	892268	247.168	ug/l	99
26) 2,2-Dichloropropane	6.80	77	350456	46.670	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	239813	50.252	ug/l	98
28) Bromochloromethane	7.18	49	142278	49.210	ug/l	99
29) Tetrahydrofuran	7.19	42	600177	271.778	ug/l	99
30) Chloroform	7.35	83	418586	48.067	ug/l	100
31) Cyclohexane	7.63	56	357067	44.149	ug/l	97
32) 1,1,1-Trichloroethane	7.55	97	356876	48.619	ug/l	98
36) 1,1-Dichloropropene	7.77	75	302996	49.099	ug/l	99
37) Ethyl Acetate	6.91	43	368649	54.824	ug/l	98
38) Carbon Tetrachloride	7.75	117	308177	48.475	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	335010	48.347	ug/l	100
40) Benzene	8.02	78	921283	50.839	ug/l	99
41) Methacrylonitrile	7.19	41	534031	178.318	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	340928	48.839	ug/l	99
43) Isopropyl Acetate	8.15	43	587864	54.512	ug/l	100
44) Trichloroethene	8.82	130	216703	49.091	ug/l	98
45) 1,2-Dichloropropane	9.11	63	261686	52.662	ug/l	99
46) Dibromomethane	9.20	93	160879	51.213	ug/l	97
47) Bromodichloromethane	9.39	83	336336	51.947	ug/l	100
48) Methyl methacrylate	9.19	41	273193	55.836	ug/l	96
49) 1,4-Dioxane	9.19	88	89907	1119.378	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	1879615	298.402	ug/l	98
52) Toluene	10.15	92	568863	52.936	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	381279	53.195	ug/l	98
54) cis-1,3-Dichloropropene	9.83	75	392738	51.287	ug/l	96
55) 1,1,2-Trichloroethane	10.56	97	234201	52.903	ug/l	98
56) Ethyl methacrylate	10.43	69	377101	50.681	ug/l	96
57) 1,3-Dichloropropane	10.71	76	410719	52.861	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.70	63	138	5.706	ug/l #	50
59) 2-Hexanone	10.75	43	1417246	291.171	ug/l	97
60) Dibromochloromethane	10.90	129	262342	55.056	ug/l	99
61) 1,2-Dibromoethane	11.00	107	243241	53.690	ug/l	100
64) Tetrachloroethene	10.63	164	181743	45.662	ug/l	98
65) Chlorobenzene	11.43	112	622477	53.799	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	232902	53.342	ug/l	99
67) Ethyl Benzene	11.51	91	1106863	54.533	ug/l	98
68) m/p-Xylenes	11.62	106	821719	109.168	ug/l	99
69) o-Xylene	11.95	106	393997	54.883	ug/l	98
70) Styrene	11.97	104	659599	49.784	ug/l	100
71) Bromoform	12.13	173	193584	57.177	ug/l #	97
73) Isopropylbenzene	12.25	105	1068735	51.918	ug/l	99
74) N-amyl acetate	12.07	43	518065	55.512	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.51	83	387790	53.575	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	503365	77.107	ug/l #	100
77) Bromobenzene	12.53	156	263238	51.881	ug/l	96
78) n-propylbenzene	12.60	91	1276511	52.461	ug/l	100
79) 2-Chlorotoluene	12.68	91	761229	51.115	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	918042	53.080	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	132062	52.700	ug/l	96
82) 4-Chlorotoluene	12.78	91	783702	51.495	ug/l	99
83) tert-Butylbenzene	13.00	119	777931	52.599	ug/l	98
84) 1,2,4-Trimethylbenzene	13.05	105	917290	53.771	ug/l	99
85) sec-Butylbenzene	13.18	105	1048286	53.162	ug/l	98
86) p-Isopropyltoluene	13.30	119	943125	54.207	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	471683	51.990	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	482614	53.132	ug/l	99
89) n-Butylbenzene	13.62	91	832911	52.113	ug/l	100
90) Hexachloroethane	13.88	117	178940	50.755	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	553894	62.116	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.28	75	81039	49.500	ug/l	92

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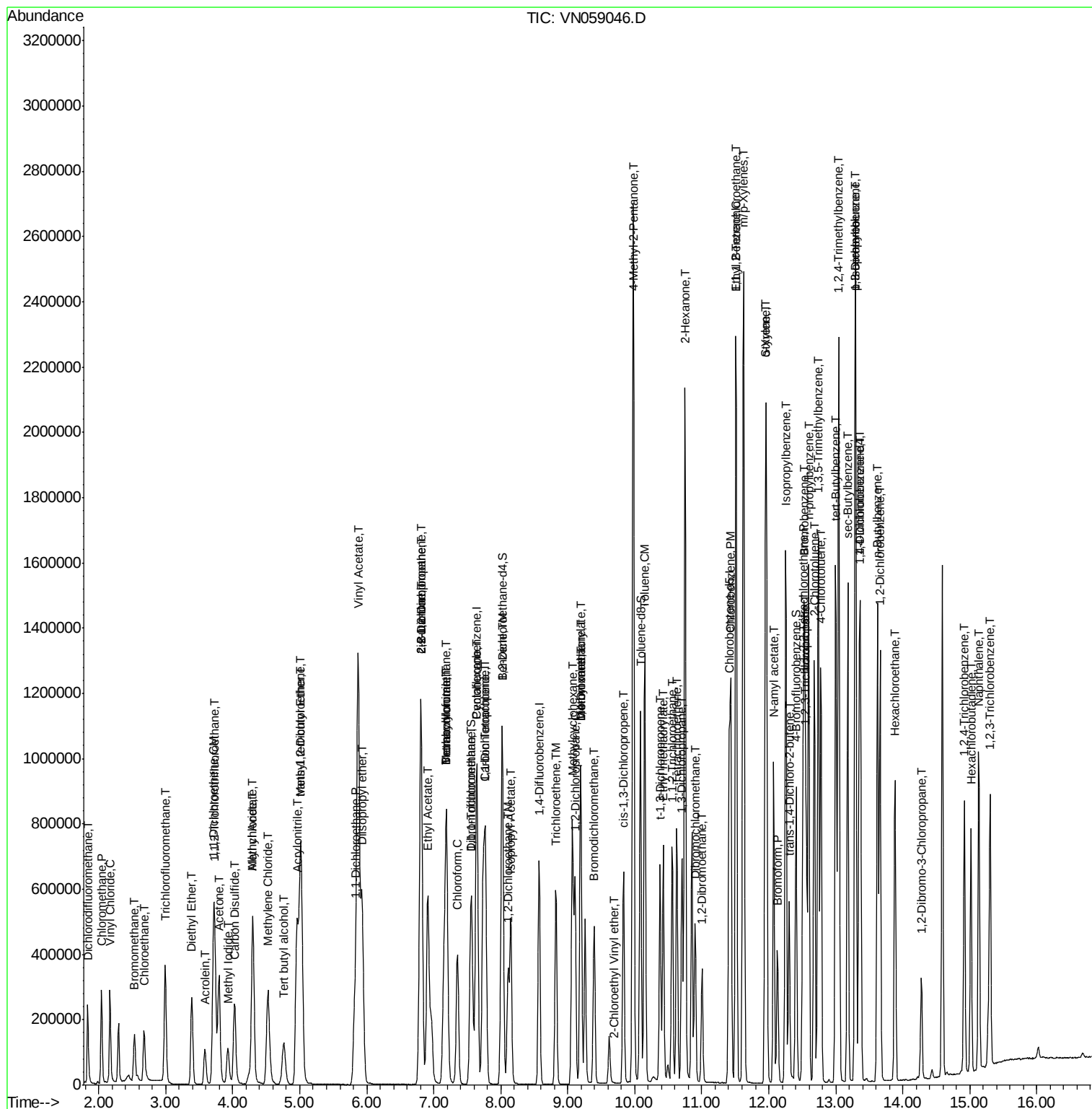
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	265932	47.506	ug/l	99
94) Hexachlorobutadiene	15.02	225	143031	49.488	ug/l	99
95) Naphthalene	15.13	128	773030	48.006	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	272427	49.857	ug/l	99

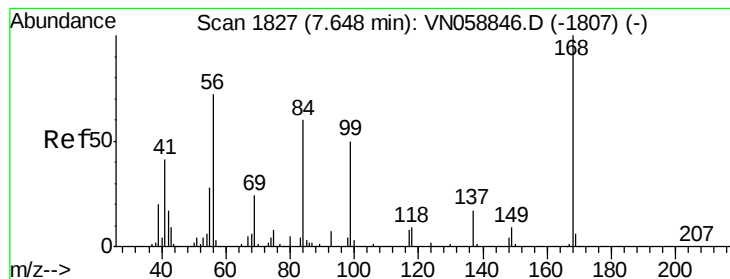
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

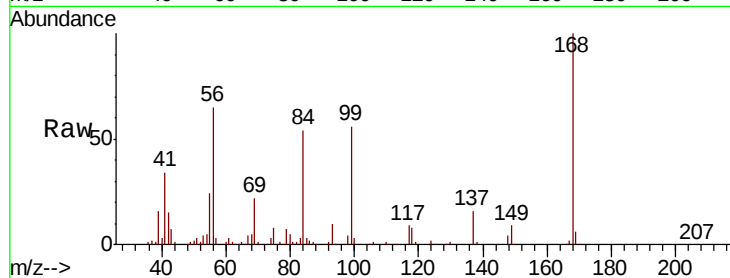
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 383719

Ion Ratio Lower Upper

168 100

99 56.1 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

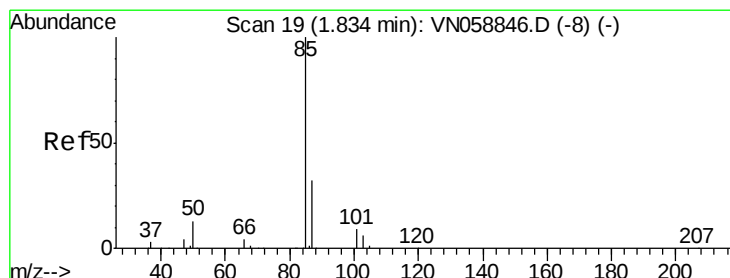
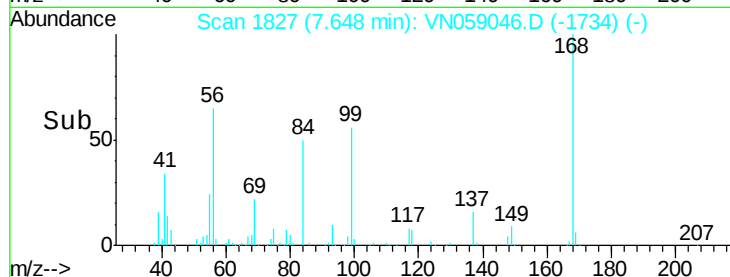
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 41.581 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059046.D

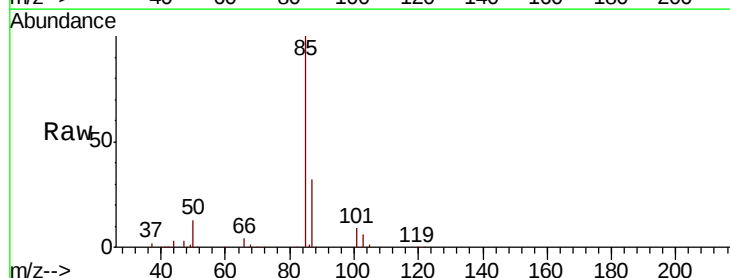
Acq: 31 Oct 2019 17:50

Tgt Ion: 85 Resp: 198934

Ion Ratio Lower Upper

85 100

87 32.5 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

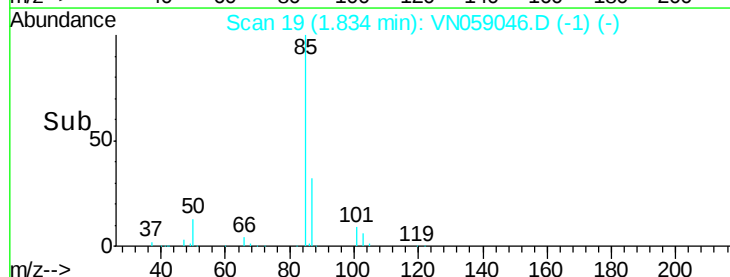
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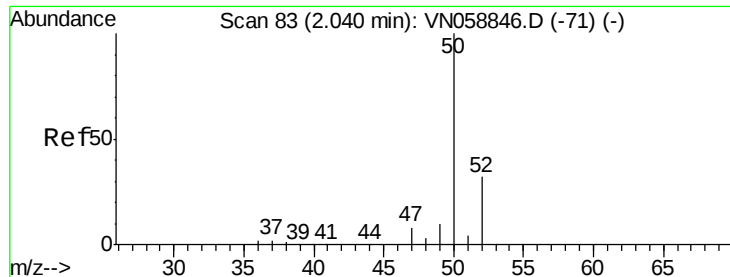
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 42.593 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

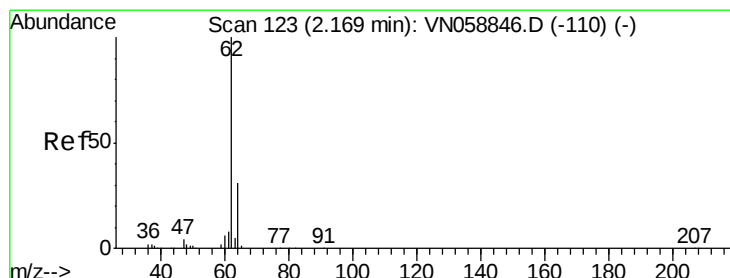
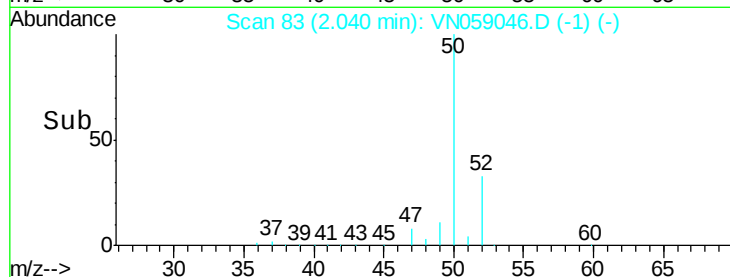
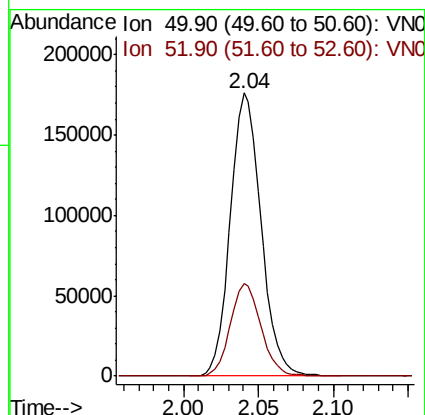
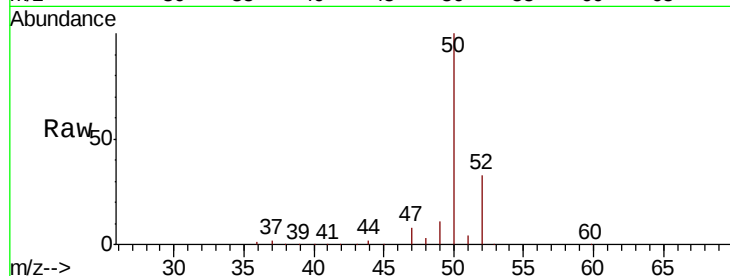
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 50 Resp: 252378

Ion Ratio Lower Upper

50 100

52 32.9 25.7 38.5



#4

Vinyl Chloride

Concen: 44.971 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059046.D

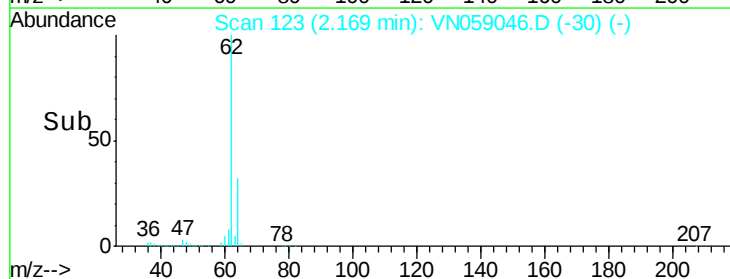
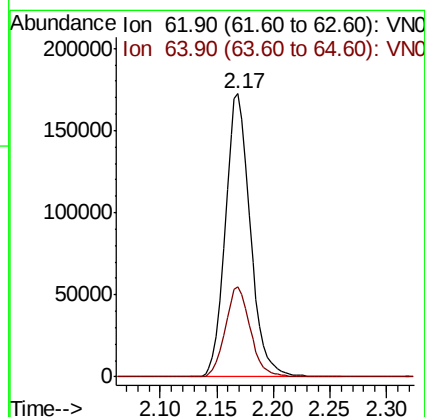
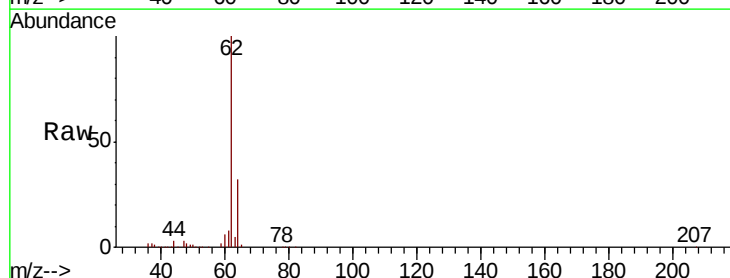
Acq: 31 Oct 2019 17:50

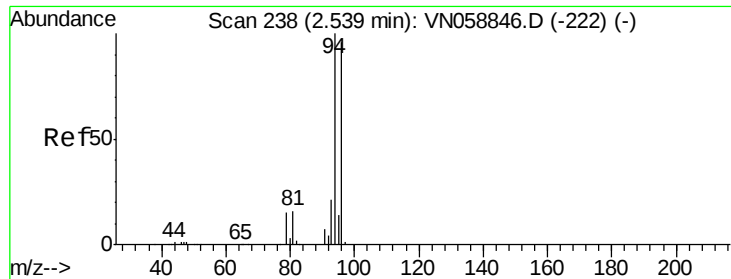
Tgt Ion: 62 Resp: 264574

Ion Ratio Lower Upper

62 100

64 31.7 24.6 36.8





#5

Bromomethane

Concen: 28.683 ug/l

RT: 2.53 min Scan# 236

Delta R.T. -0.01 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

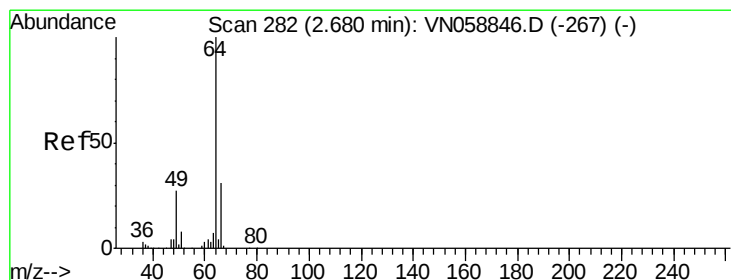
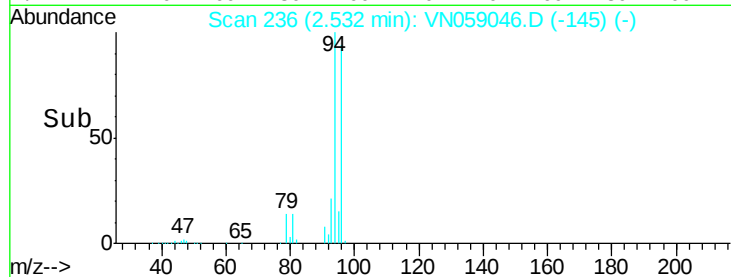
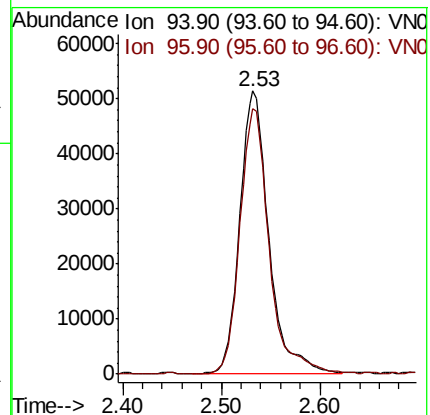
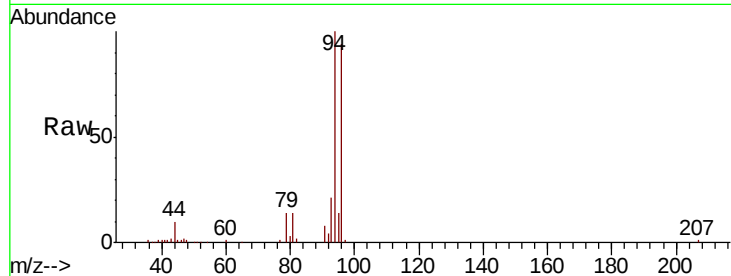
ClientSampled :

Tot Ion: 94 Resp: 105674

Ion Ratio Lower Upper

94 100

96 93.5 77.0 115.6



#6

Chloroethane

Concen: 43.553 ug/l

RT: 2.68 min Scan# 281

Delta R.T. -0.00 min

Lab File: VN059046.D

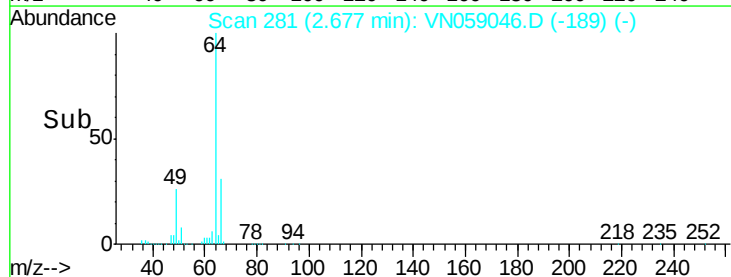
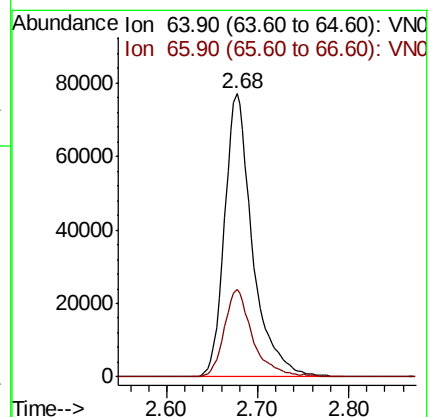
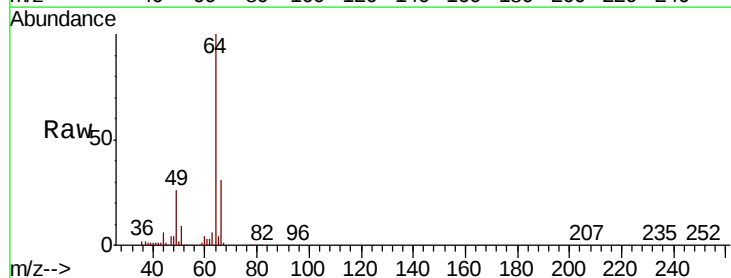
Acq: 31 Oct 2019 17:50

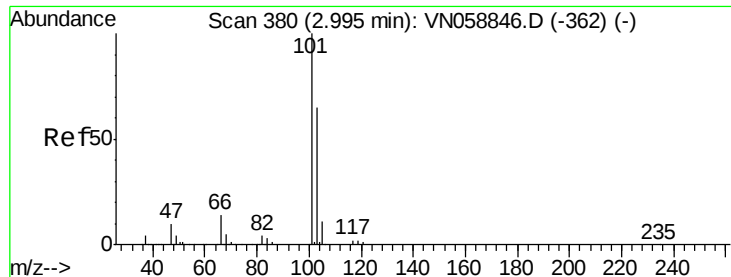
Tgt Ion: 64 Resp: 164319

Ion Ratio Lower Upper

64 100

66 30.8 25.0 37.4



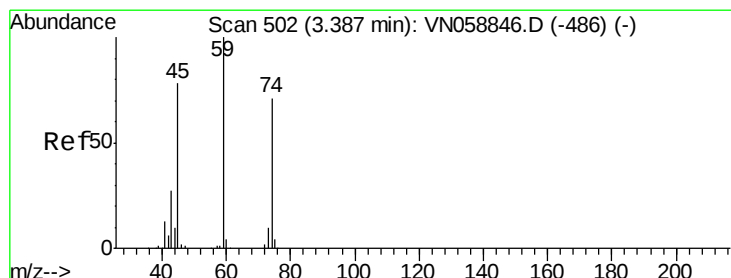
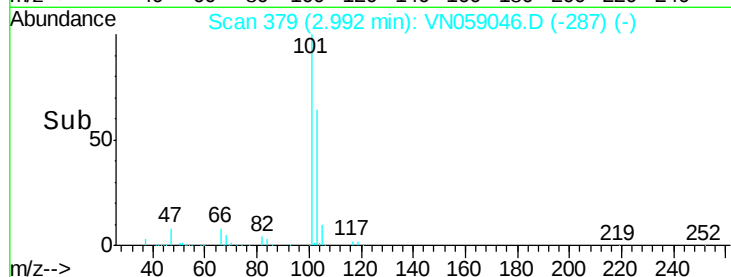
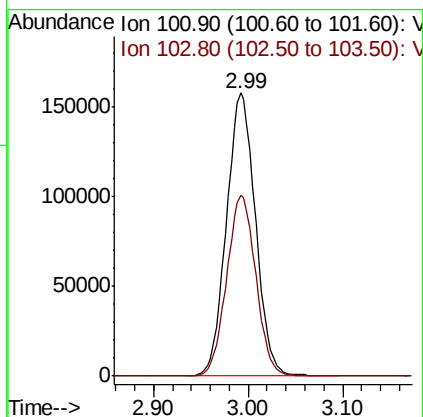
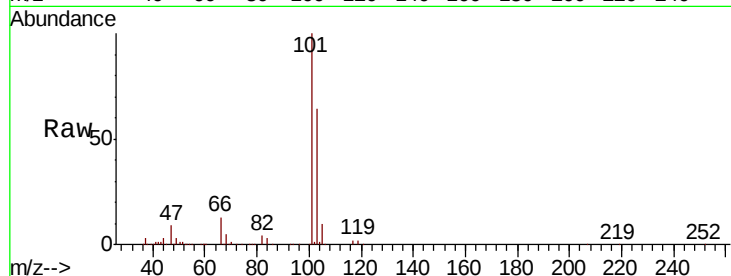


#7

Trichlorofluoromethane
Concen: 46.127 ug/l
RT: 2.99 min Scan# 379
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :

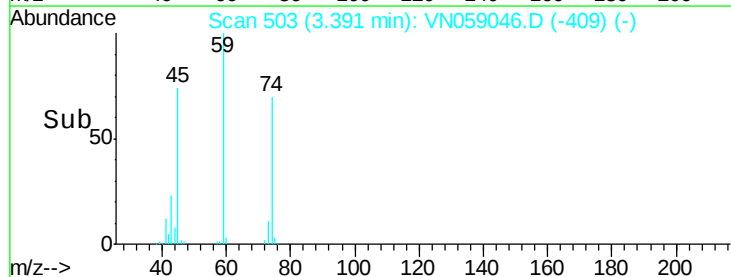
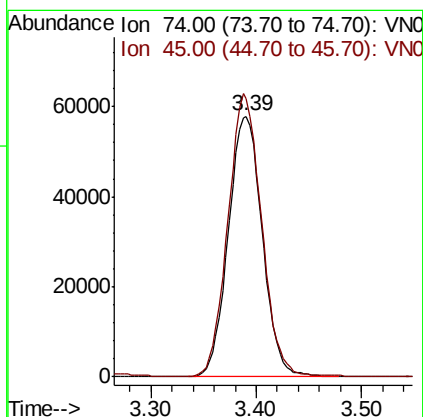
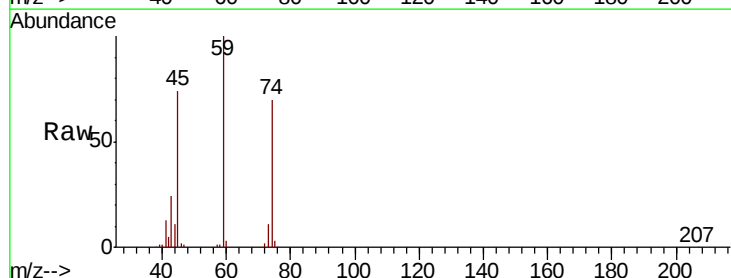
Tot Ion:101 Resp: 335785
Ion Ratio Lower Upper
101 100
103 63.9 52.2 78.2

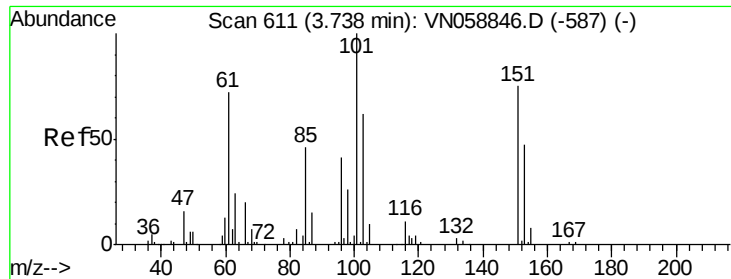


#8

Diethyl Ether
Concen: 51.339 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 74 Resp: 129149
Ion Ratio Lower Upper
74 100
45 106.6 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 48.159 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

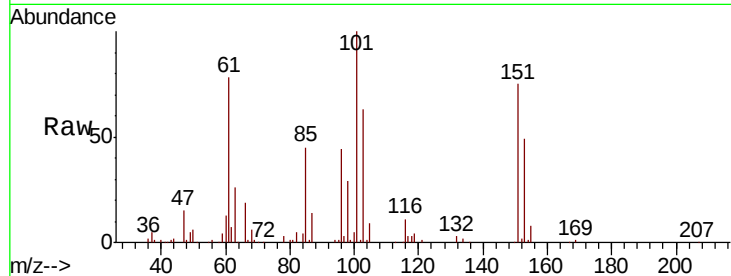
Tot Ion:101 Resp: 194351

Ion Ratio Lower Upper

101 100

85 44.7 37.2 55.8

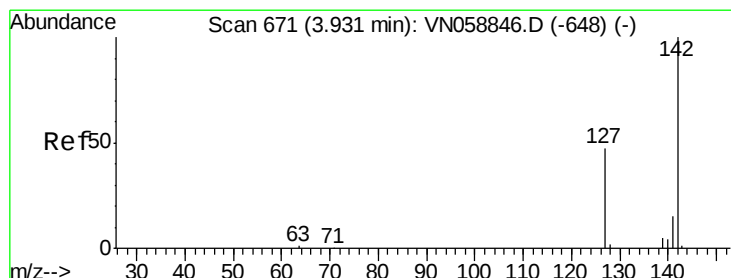
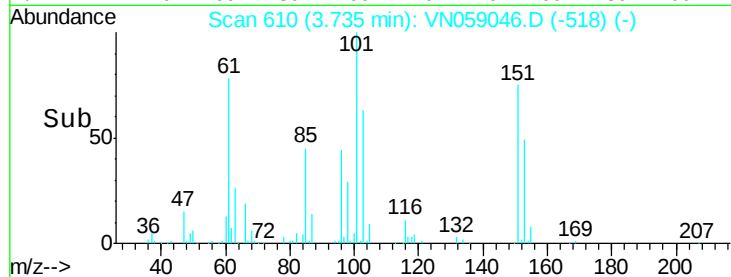
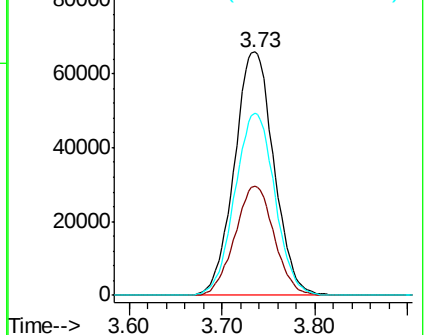
151 75.8 59.9 89.9



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 34.597 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

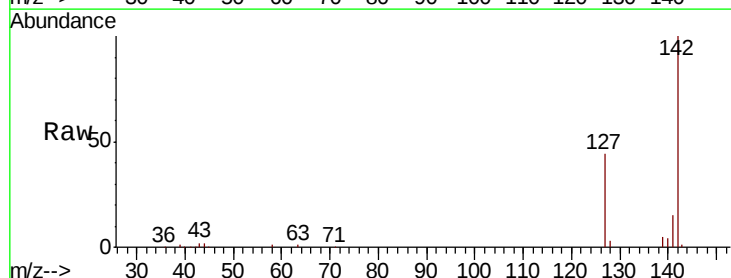
Tgt Ion:142 Resp: 183632

Ion Ratio Lower Upper

142 100

127 44.0 36.6 54.8

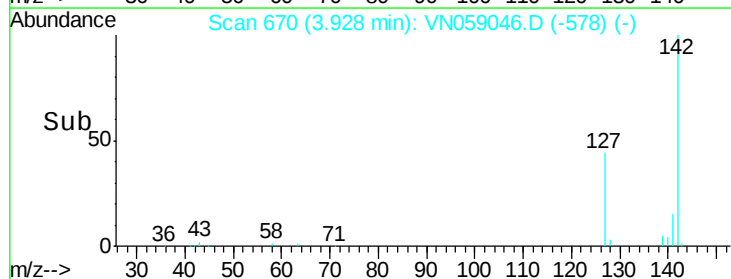
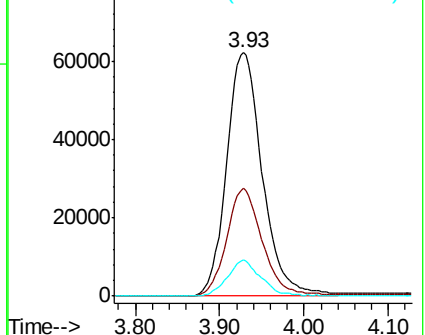
141 13.9 11.4 17.2

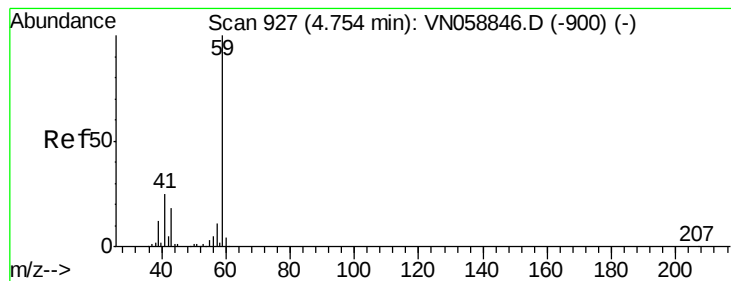


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 257.254 ug/l

RT: 4.76 min Scan# 930

Delta R.T. 0.01 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

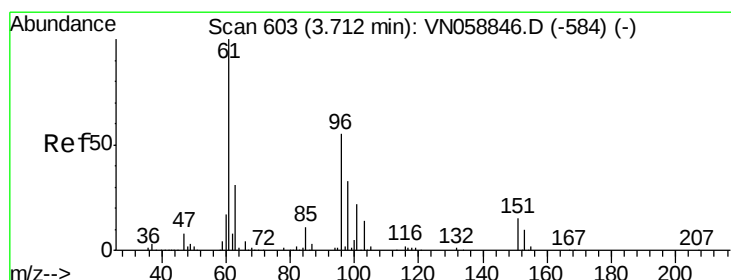
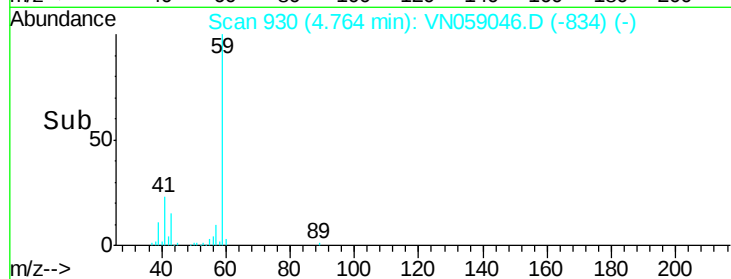
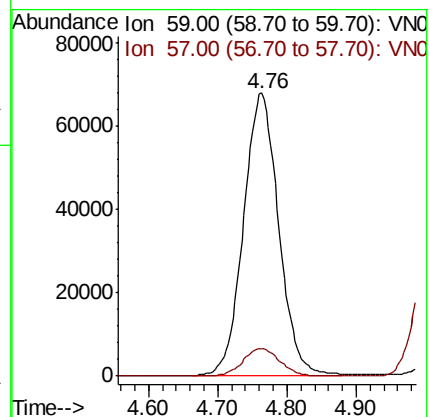
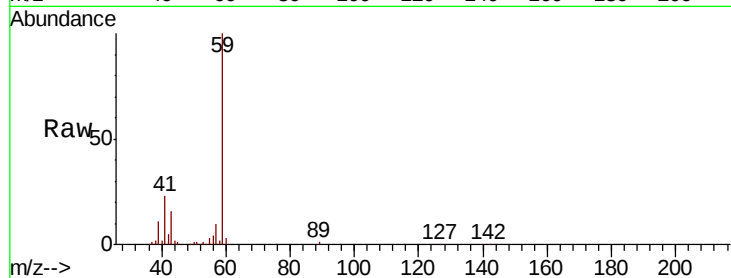
ClientSampleId :

Tot Ion: 59 Resp: 240254

Ion Ratio Lower Upper

59 100

57 10.3 8.6 12.8



#12

1,1-Dichloroethene

Concen: 47.742 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

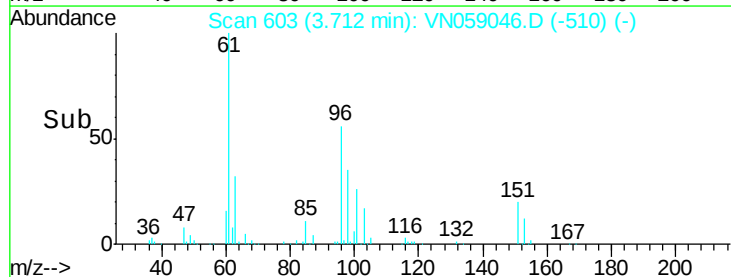
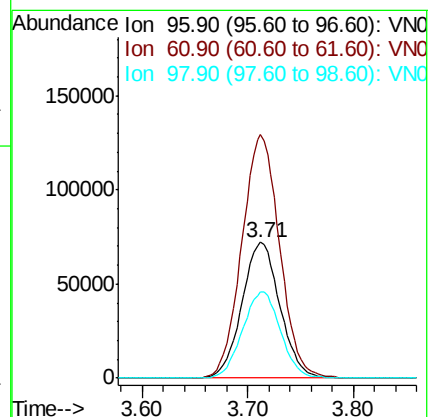
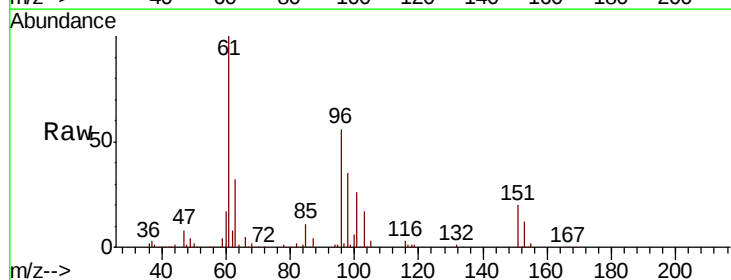
Tgt Ion: 96 Resp: 180596

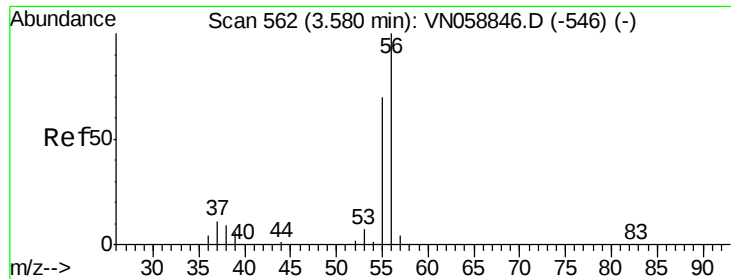
Ion Ratio Lower Upper

96 100

61 179.6 146.2 219.2

98 63.2 48.7 73.1

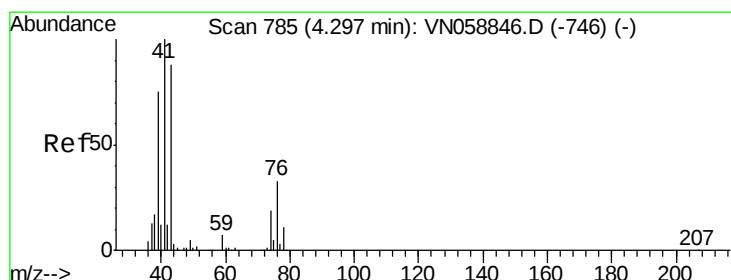
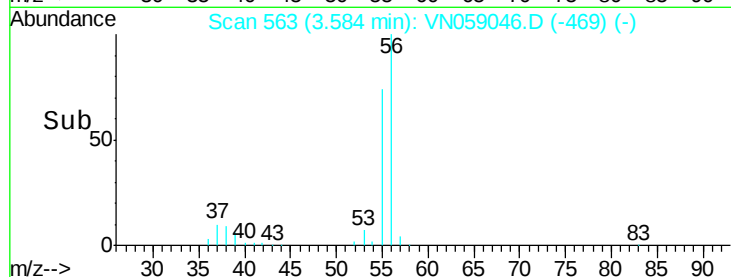
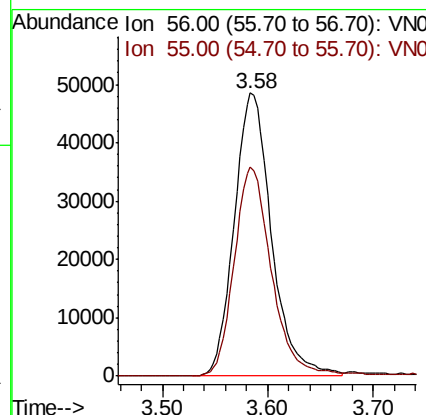
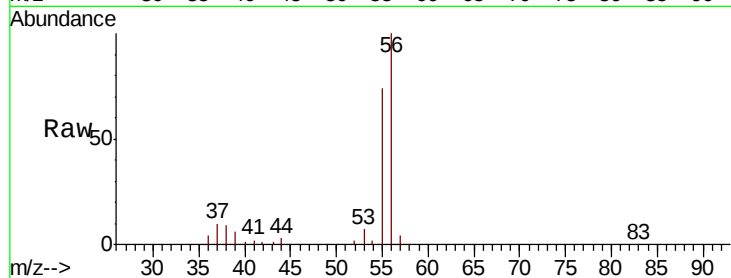




#13
Acrolein
Concen: 185.871 ug/l
RT: 3.58 min Scan# 563
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

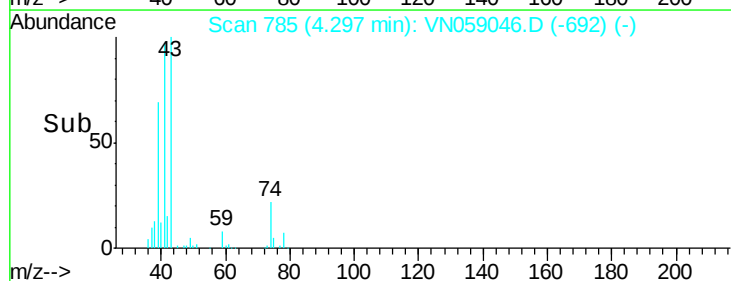
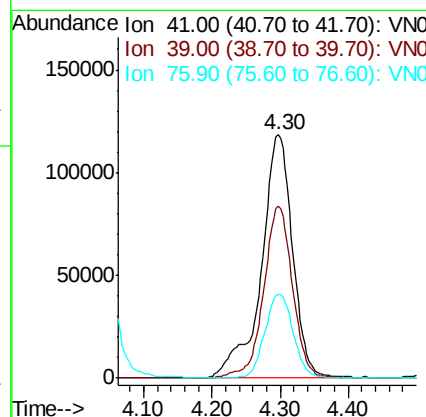
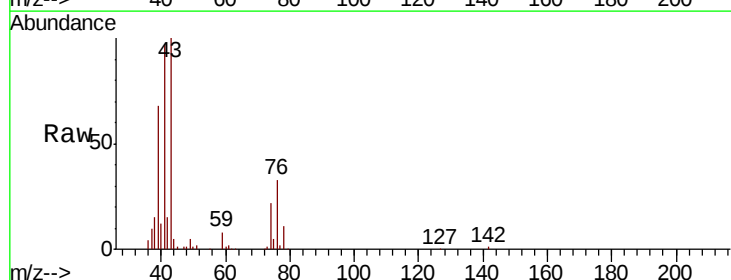
Instrument :
MSVOA_N
ClientSampled :

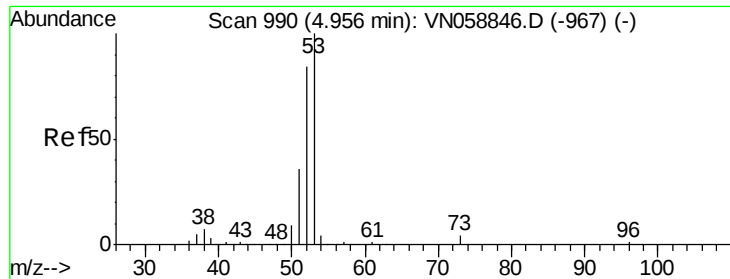
Tot Ion: 56 Resp: 119273
Ion Ratio Lower Upper
56 100
55 74.4 56.6 85.0



#14
Allyl chloride
Concen: 49.403 ug/l
RT: 4.30 min Scan# 785
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 41 Resp: 378155
Ion Ratio Lower Upper
41 100
39 64.9 55.9 83.9
76 30.5 24.1 36.1

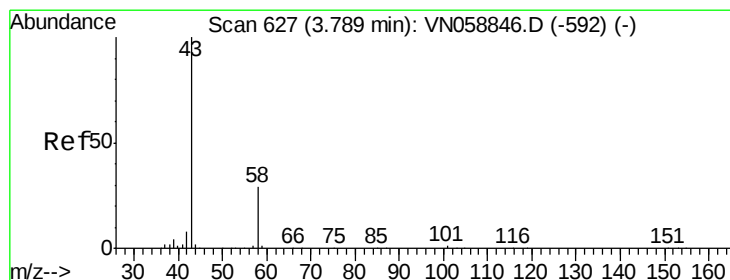
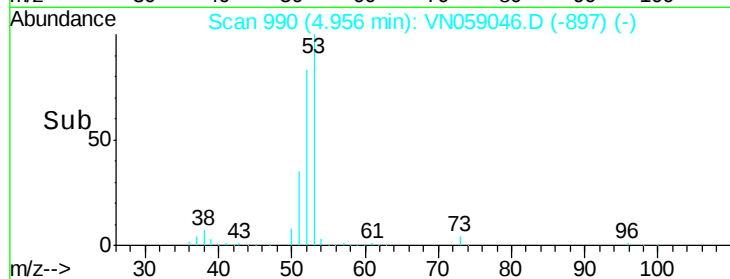
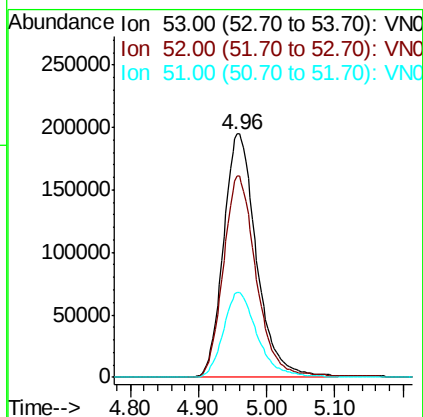
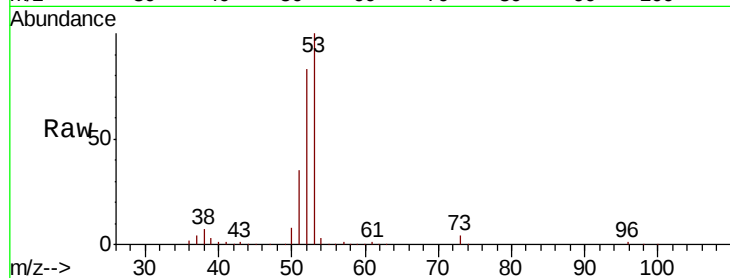




#15
 Acrylonitrile
 Concen: 279.683 ug/l
 RT: 4.96 min Scan# 990
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

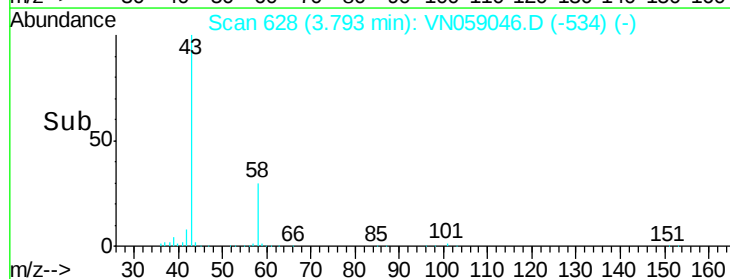
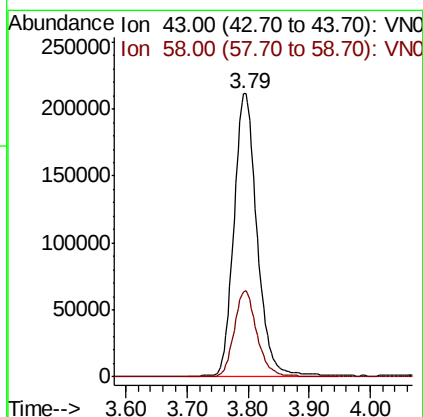
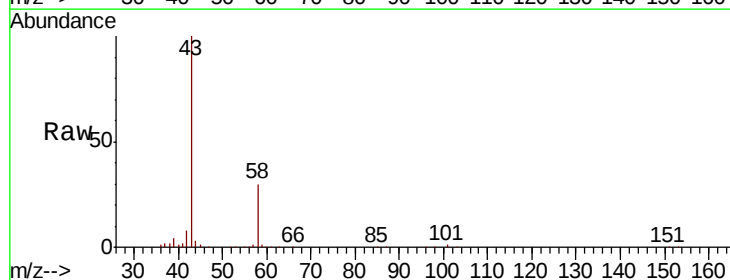
Instrument :
 MSVOA_N
 ClientSampled :

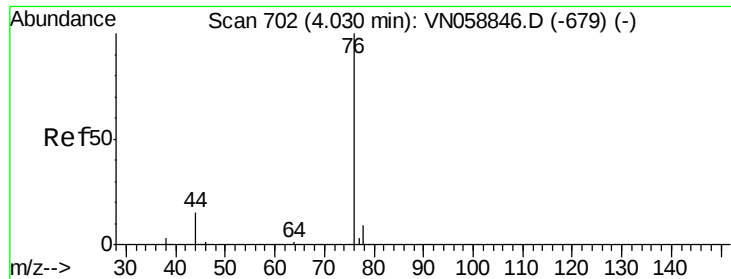
Tot Ion: 53 Resp: 657025
 Ion Ratio Lower Upper
 53 100
 52 82.7 66.6 99.8
 51 36.1 29.2 43.8



#16
 Acetone
 Concen: 200.812 ug/l
 RT: 3.79 min Scan# 628
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 43 Resp: 558446
 Ion Ratio Lower Upper
 43 100
 58 30.1 23.1 34.7

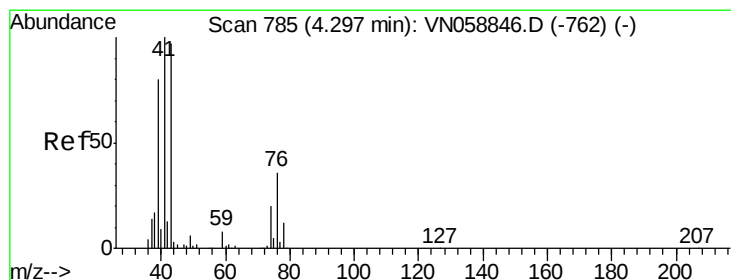
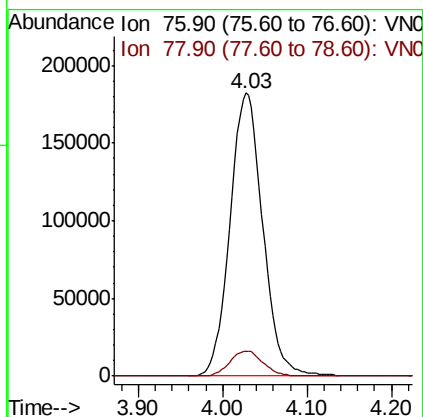
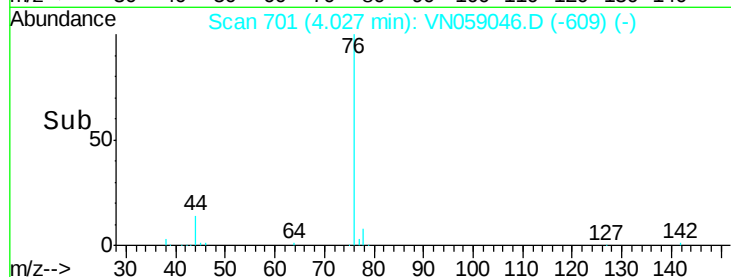
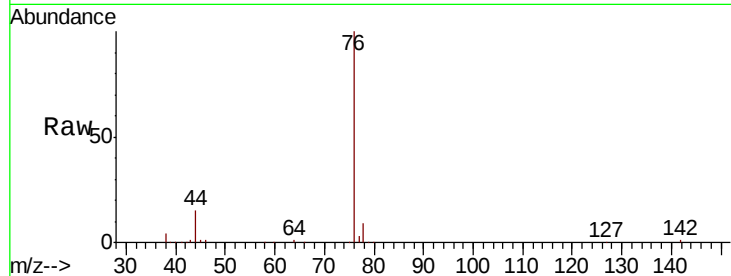




#17
Carbon Disulfide
Concen: 40.354 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

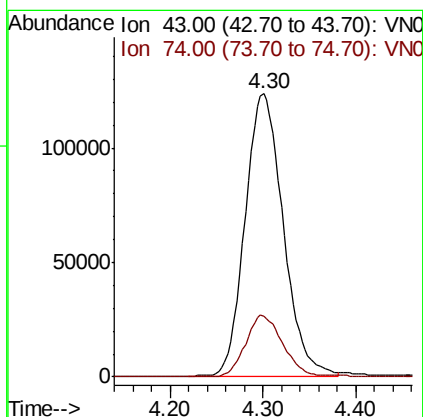
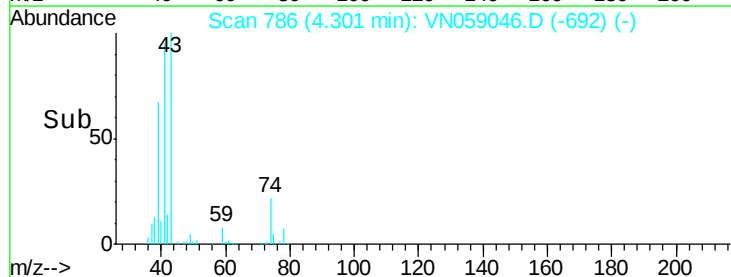
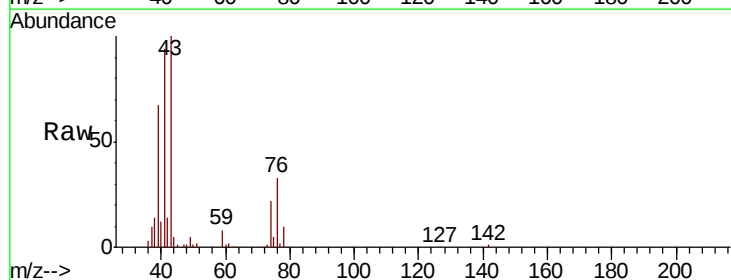
Instrument :
MSVOA_N
ClientSampleId :

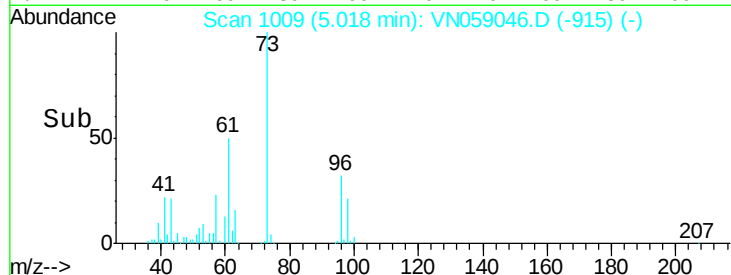
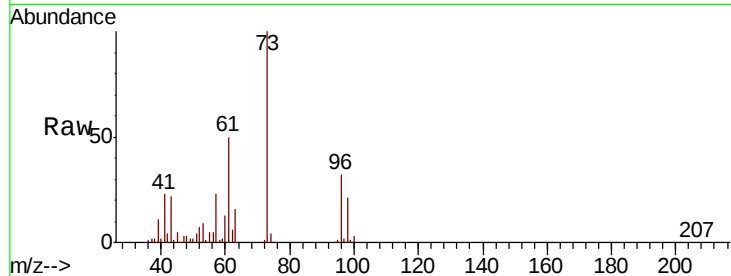
Tot Ion: 76 Resp: 491730
Ion Ratio Lower Upper
76 100
78 8.9 7.1 10.7



#18
Methyl Acetate
Concen: 55.603 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 43 Resp: 351549
Ion Ratio Lower Upper
43 100
74 21.4 17.1 25.7



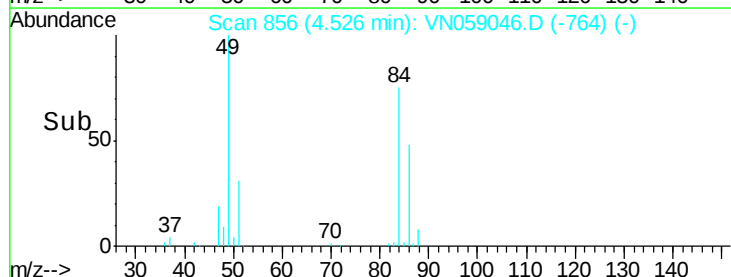
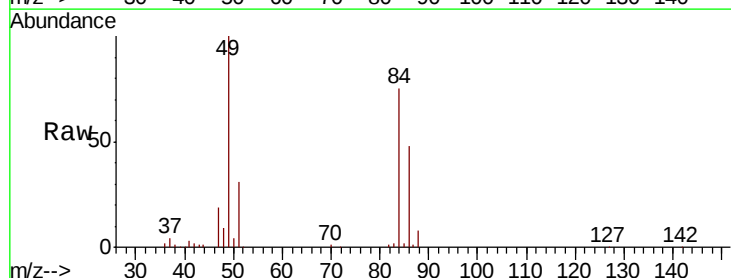
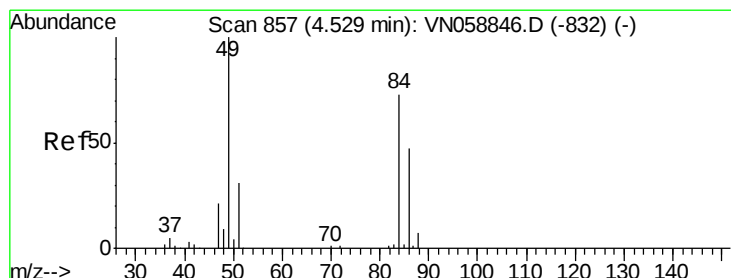
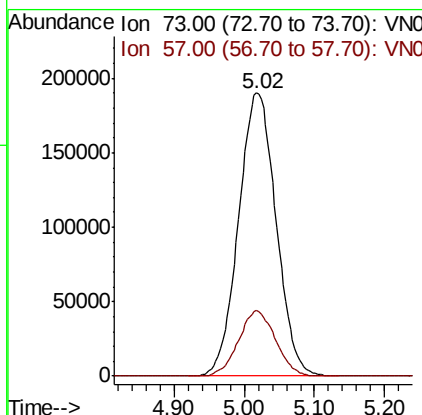


#19

Methyl tert-butyl Ether
Concen: 53.295 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampled :

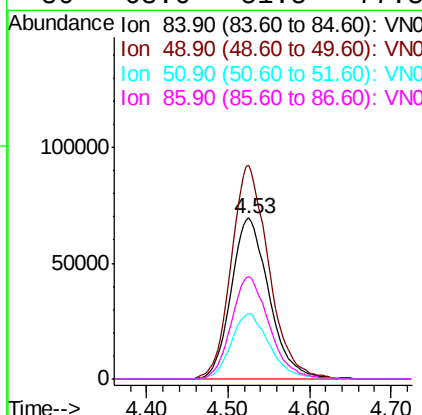
Tot Ion: 73 Resp: 705926
Ion Ratio Lower Upper
73 100
57 23.4 17.9 26.9



#20

Methylene Chloride
Concen: 47.317 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 84 Resp: 224685
Ion Ratio Lower Upper
84 100
49 132.8 109.6 164.4
51 40.8 33.8 50.6
86 63.6 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 47.846 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

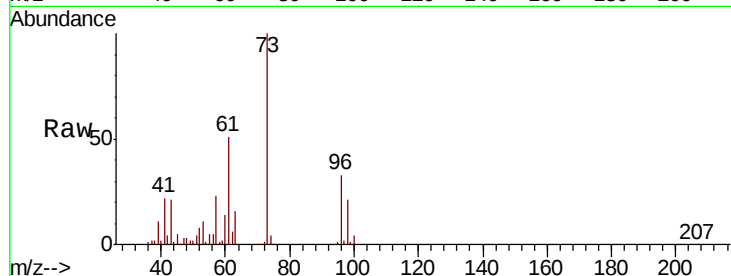
Tot Ion: 96 Resp: 199878

Ion Ratio Lower Upper

96 100

61 154.1 126.7 190.1

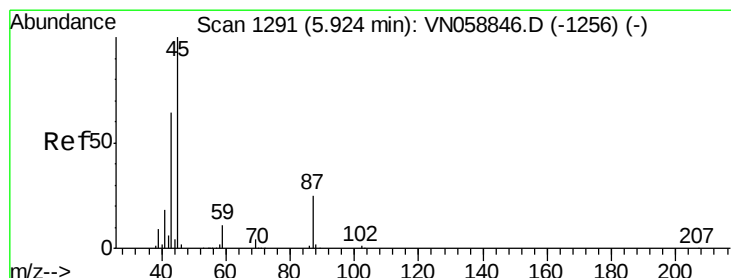
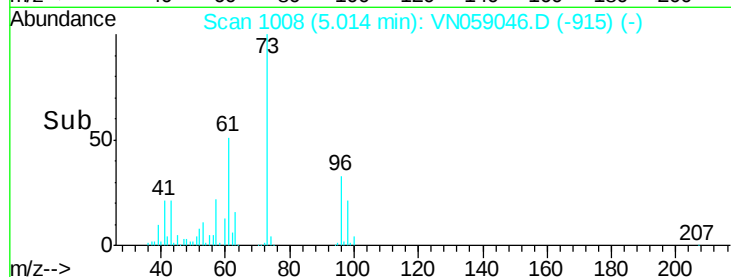
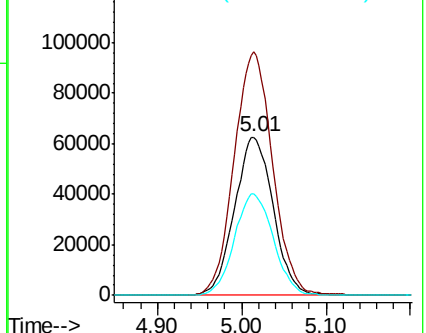
98 64.4 52.0 78.0



Abundance Ion 95.90 (95.60 to 96.60): VN058846.D (-982) (-)

Ion 60.90 (60.60 to 61.60): VN058846.D (-982) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-982) (-)



#22

Diisopropyl ether

Concen: 53.381 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion: 45 Resp: 799230

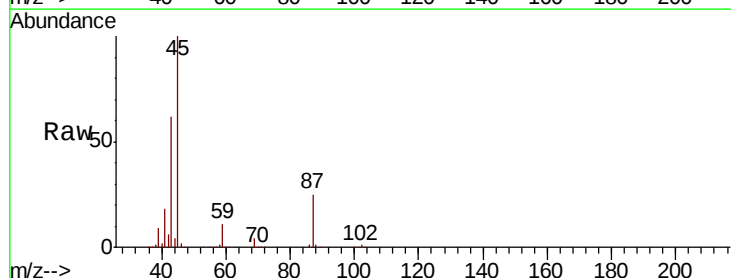
Ion Ratio Lower Upper

45 100

43 60.8 52.9 79.3

87 25.3 20.2 30.4

59 11.3 8.8 13.2

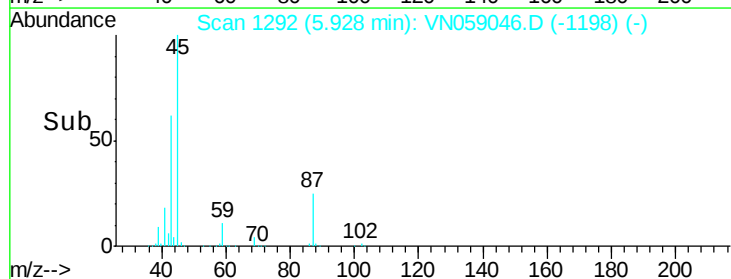
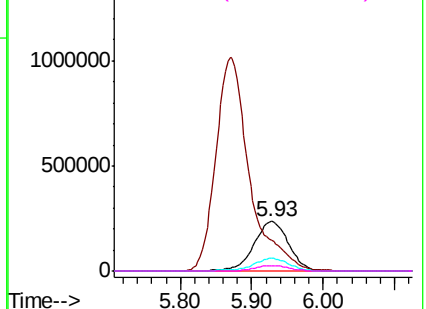


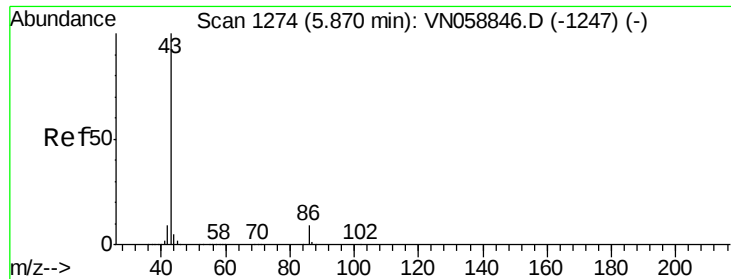
Abundance Ion 45.00 (44.70 to 45.70): VN058846.D (-1256) (-)

Ion 43.00 (42.70 to 43.70): VN058846.D (-1256) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1256) (-)

Ion 59.00 (58.70 to 59.70): VN058846.D (-1256) (-)





#23

Vinyl Acetate

Concen: 277.148 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

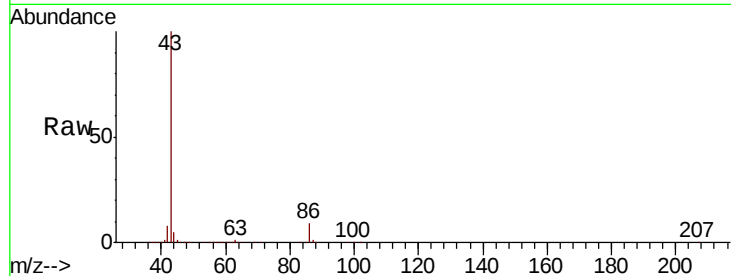
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3333787

Ion Ratio Lower Upper

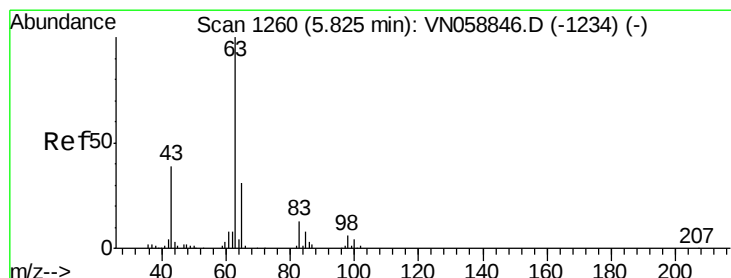
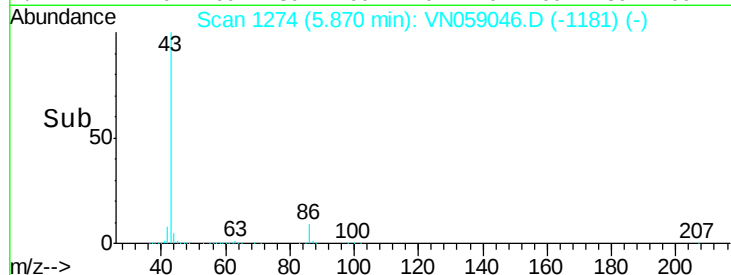
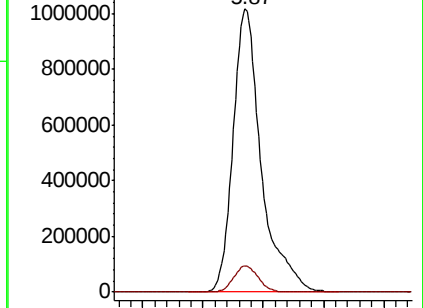
43 100

86 9.2 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1247) (-)

Ion 86.00 (85.70 to 86.70): VN058846.D (-1247) (-)



#24

1,1-Dichloroethane

Concen: 49.296 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

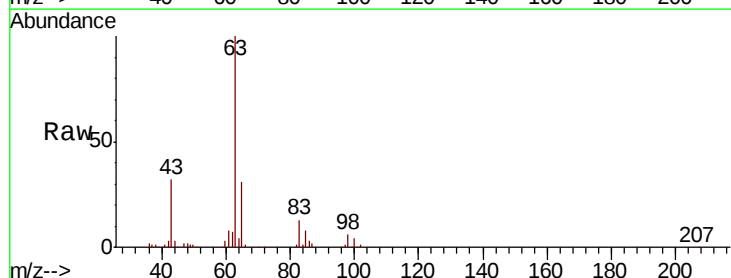
Tgt Ion: 63 Resp: 427960

Ion Ratio Lower Upper

63 100

98 5.7 2.8 8.4

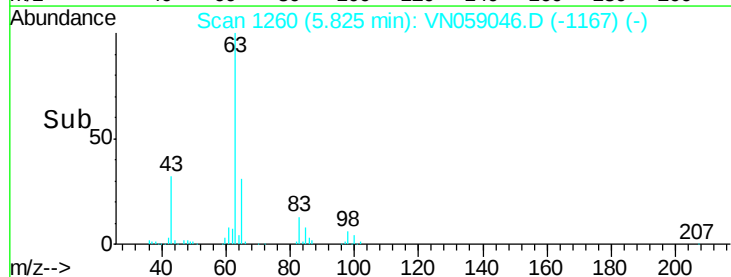
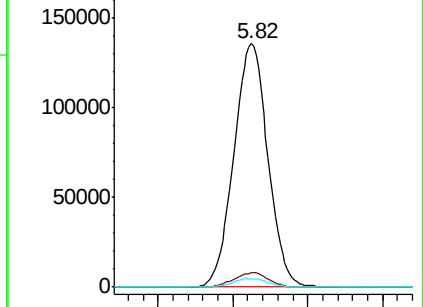
100 3.5 1.9 5.7

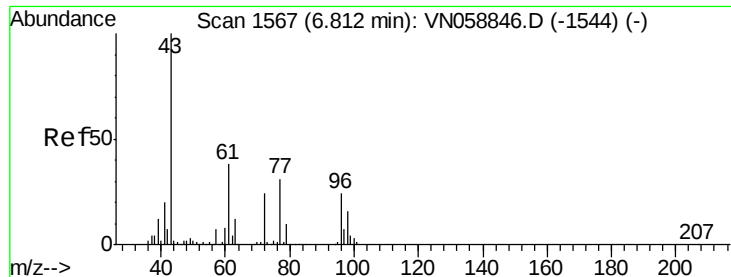


Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-1234) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1234) (-)

Ion 99.90 (99.60 to 100.60): VN058846.D (-1234) (-)

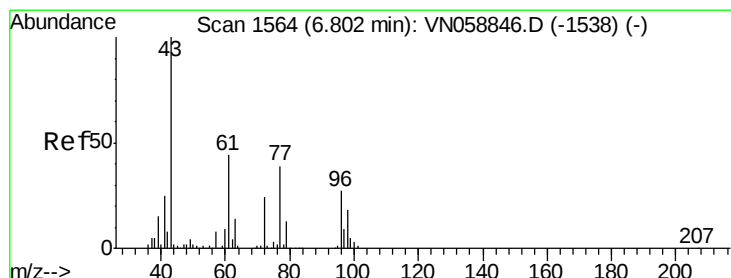
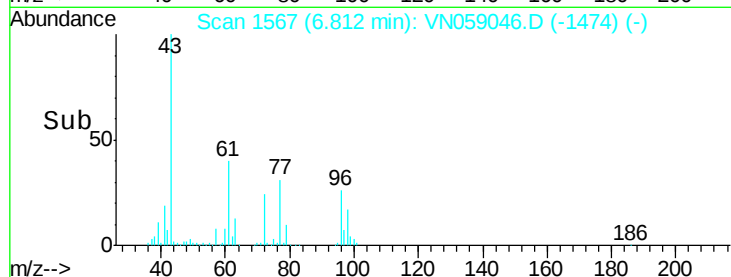
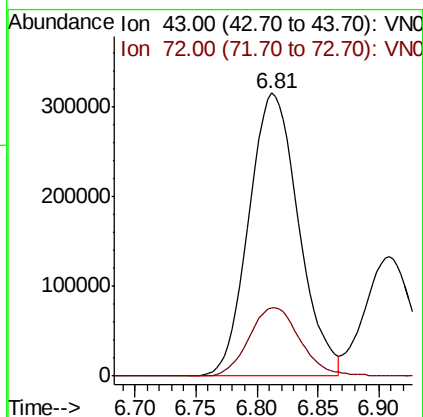
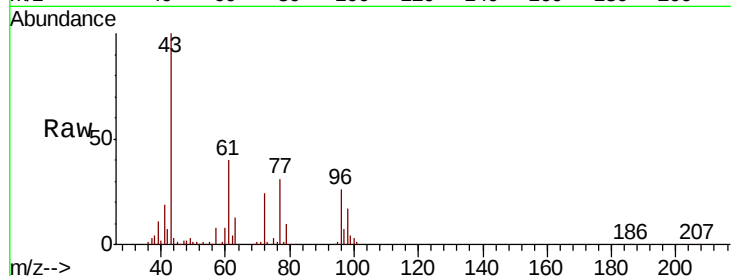




#25
 2-Butanone
 Concen: 247.168 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

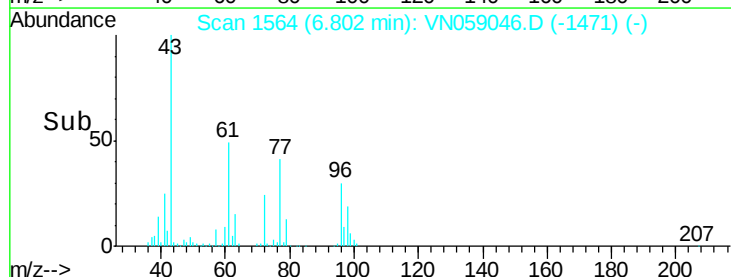
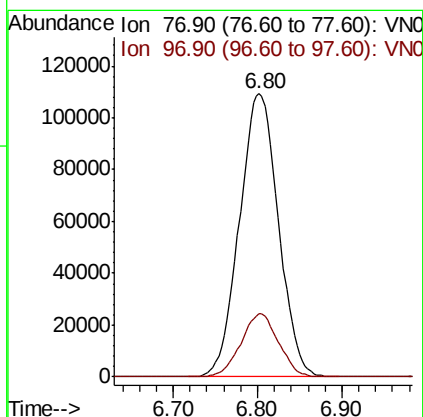
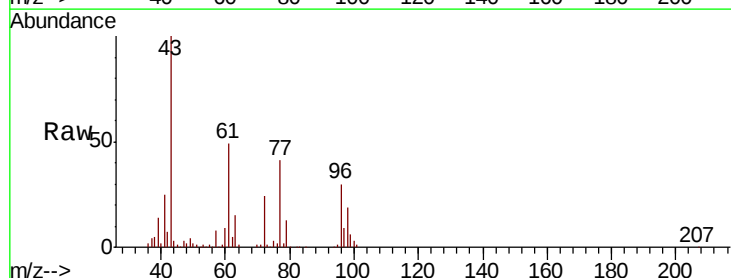
Instrument :
 MSVOA_N
 ClientSampled :

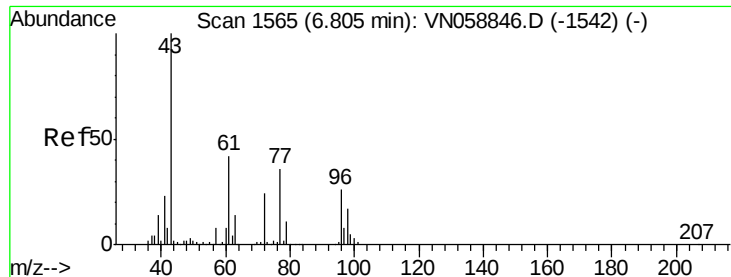
Tot Ion: 43 Resp: 892268
 Ion Ratio Lower Upper
 43 100
 72 24.2 19.1 28.7



#26
 2,2-Dichloropropane
 Concen: 46.670 ug/l
 RT: 6.80 min Scan# 1564
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 77 Resp: 350456
 Ion Ratio Lower Upper
 77 100
 97 21.5 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 50.252 ug/l

RT: 6.81 min Scan# 1566

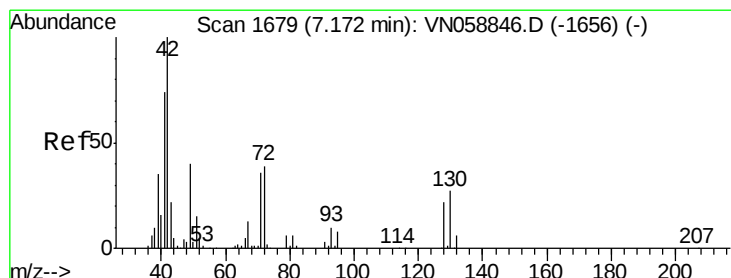
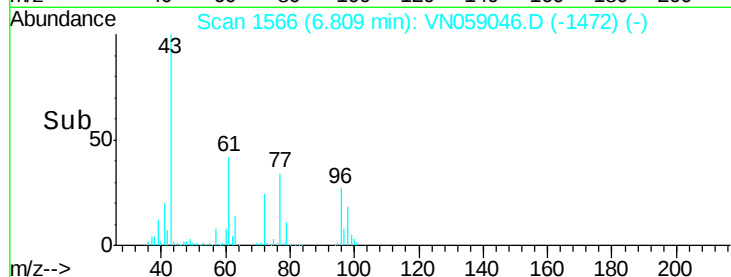
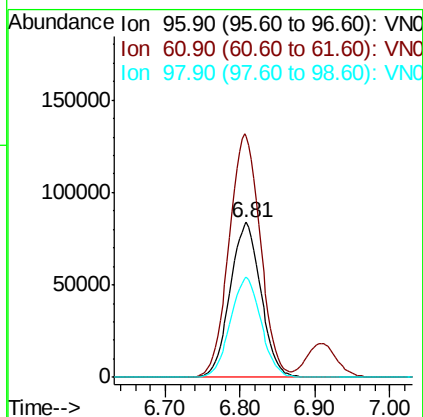
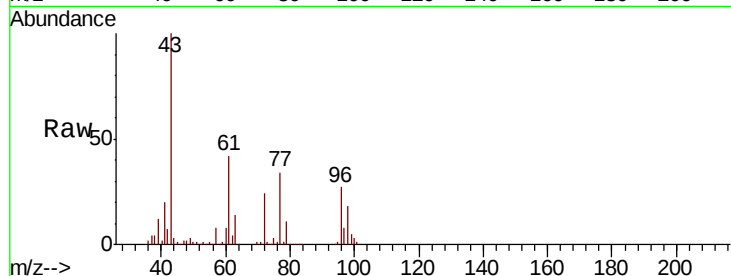
Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	96	Resp:	239813
Ion	Ratio	Lower	Upper
96	100		
61	159.1	0.0	325.0
98	64.5	0.0	128.0



#28

Bromochloromethane

Concen: 49.210 ug/l

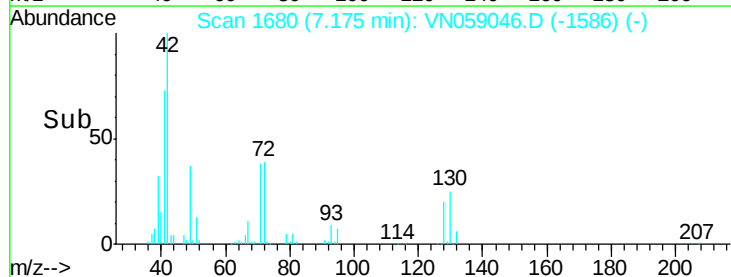
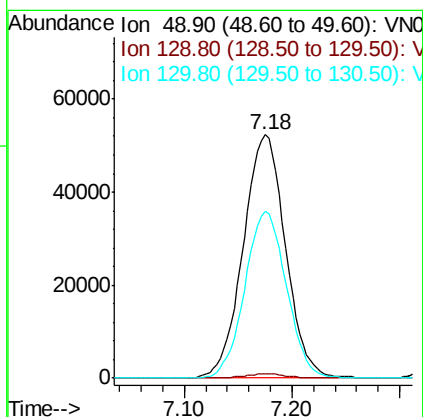
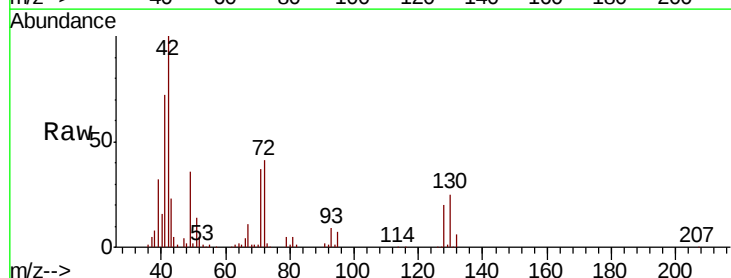
RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion:	49	Resp:	142278
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.2
130	67.4	53.5	80.3

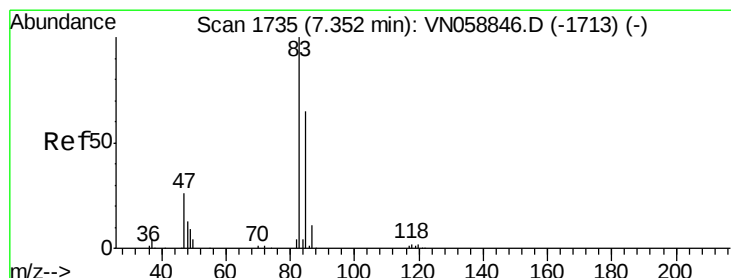
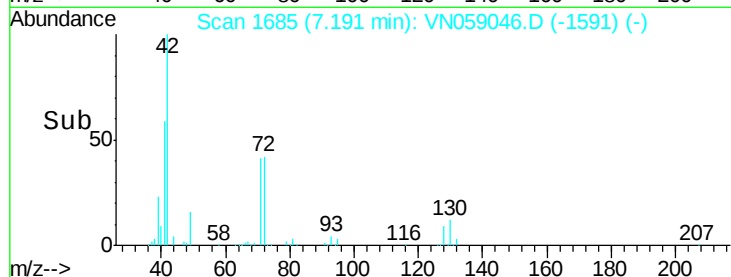
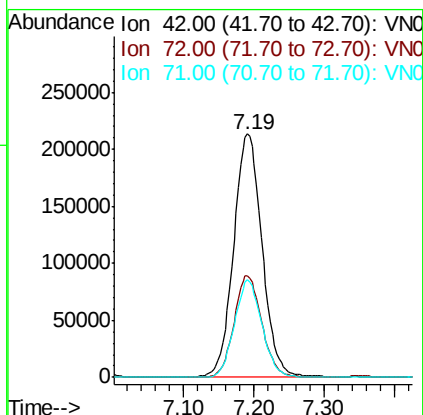
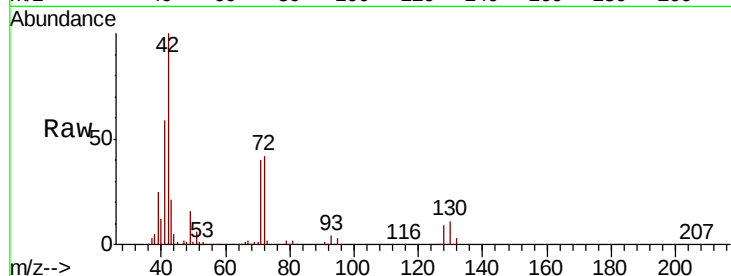




#29
Tetrahydrofuran
Concen: 271.778 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

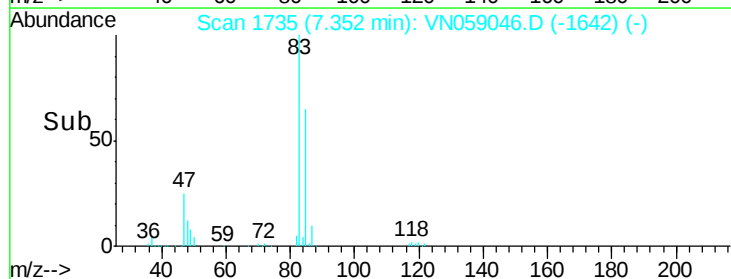
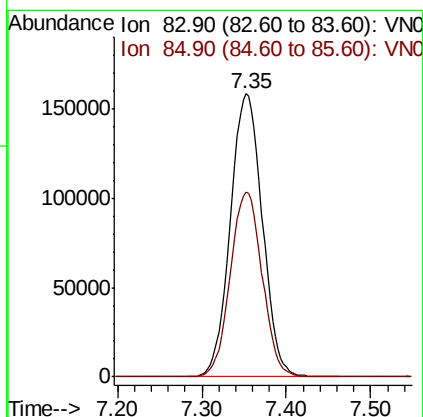
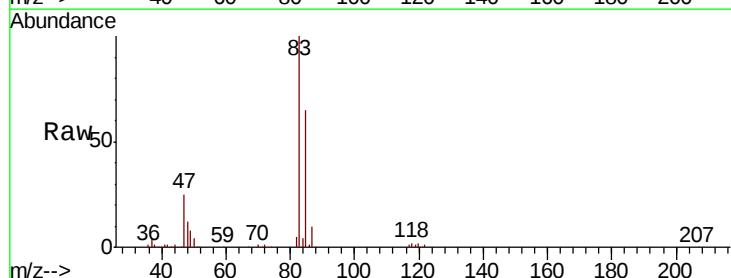
Instrument :
MSVOA_N
ClientSampled :

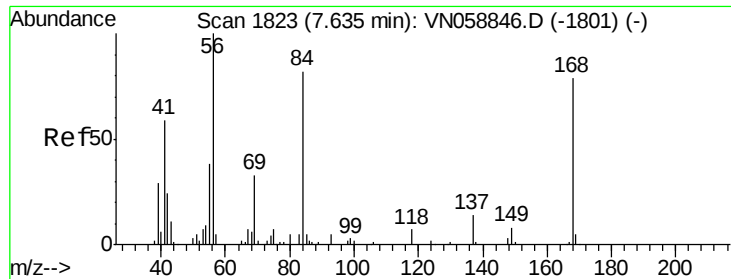
Tot Ion: 42 Resp: 600177
Ion Ratio Lower Upper
42 100
72 40.9 32.2 48.2
71 38.7 30.6 45.8



#30
Chloroform
Concen: 48.067 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 83 Resp: 418586
Ion Ratio Lower Upper
83 100
85 65.2 51.9 77.9

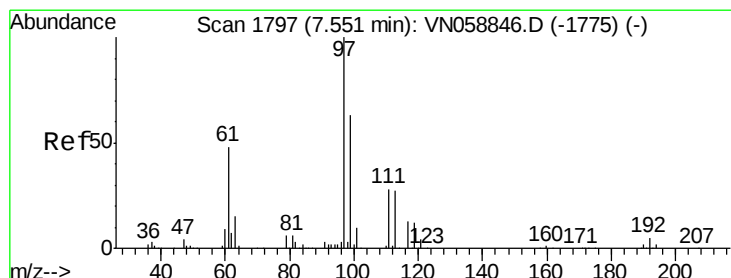
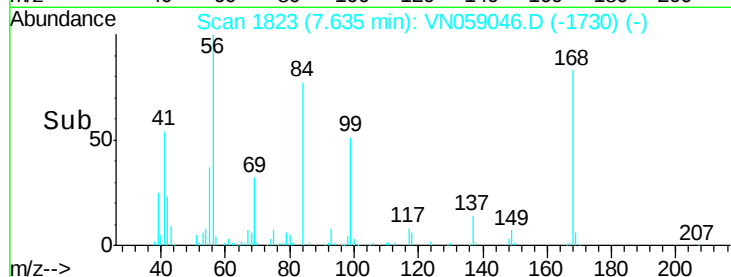
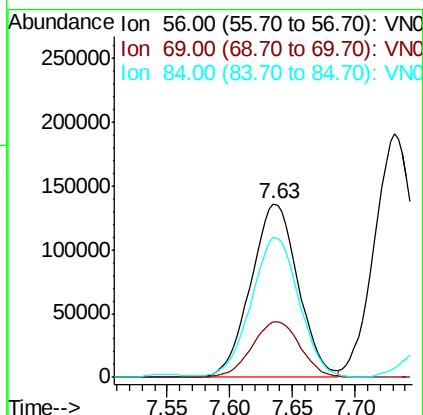
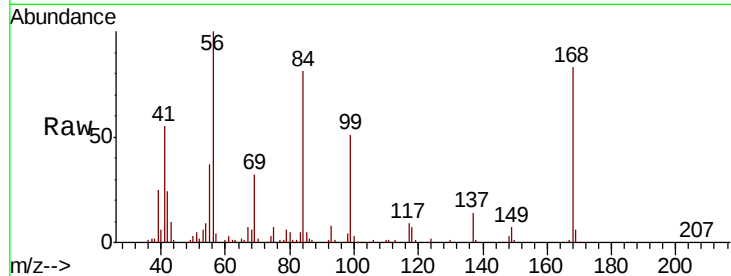




#31
Cyclohexane
Concen: 44.149 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

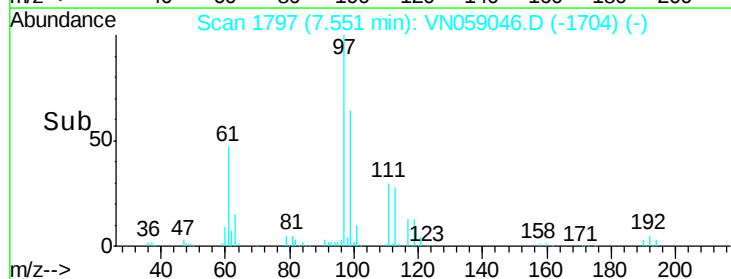
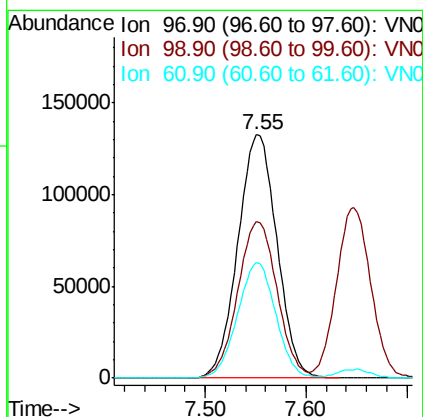
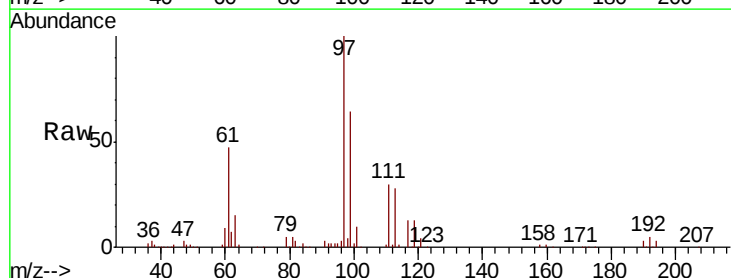
Instrument :
MSVOA_N
ClientSampleId :

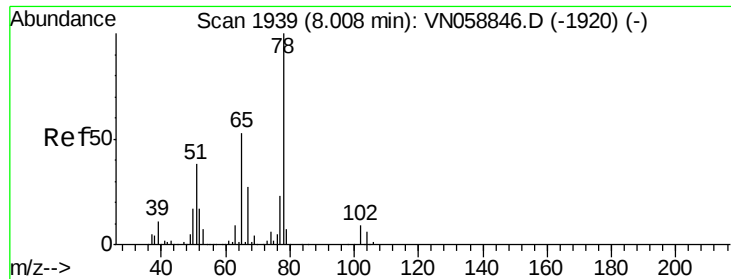
Tot Ion: 56 Resp: 357067
Ion Ratio Lower Upper
56 100
69 31.9 26.2 39.4
84 79.4 65.6 98.4



#32
1,1,1-Trichloroethane
Concen: 48.619 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 97 Resp: 356876
Ion Ratio Lower Upper
97 100
99 64.7 51.0 76.4
61 46.3 38.6 58.0

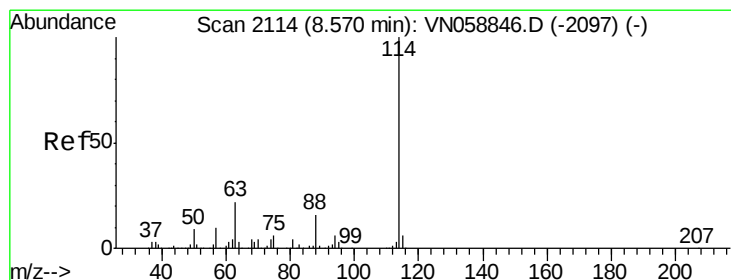
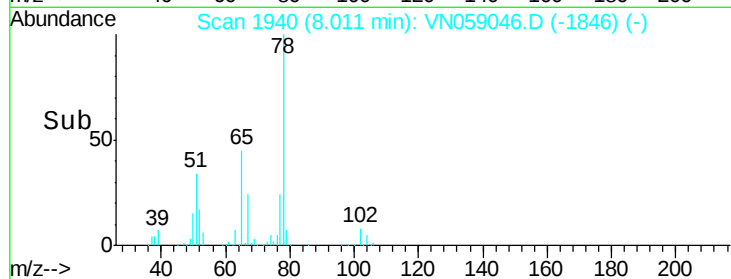
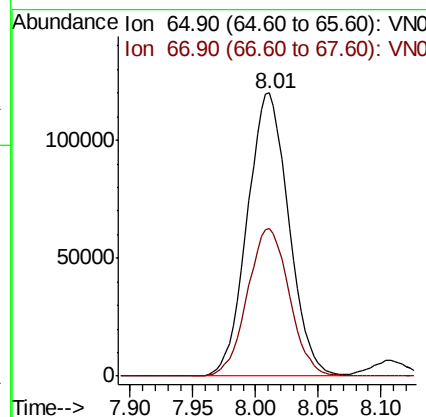
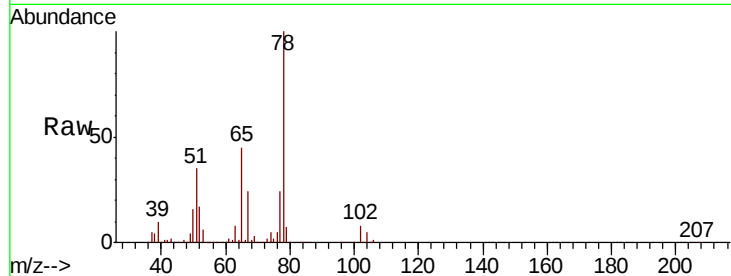




#33
 1,2-Dichloroethane-d4
 Concen: 49.079 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

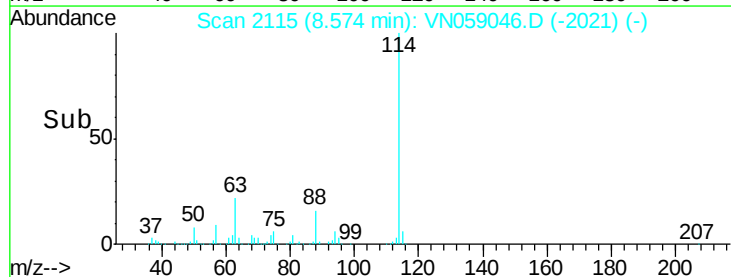
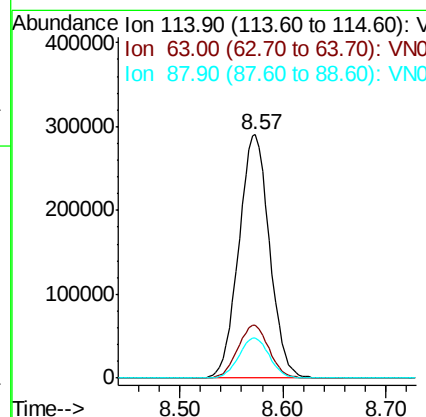
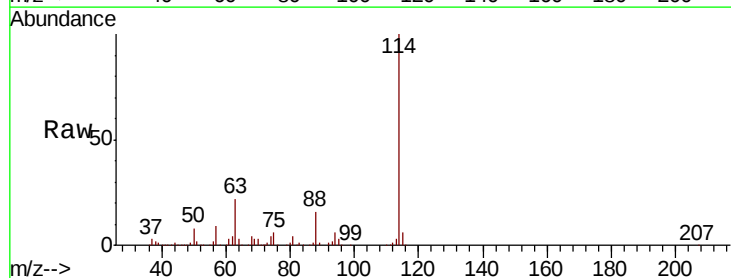
Instrument :
 MSVOA_N
 ClientSampled :

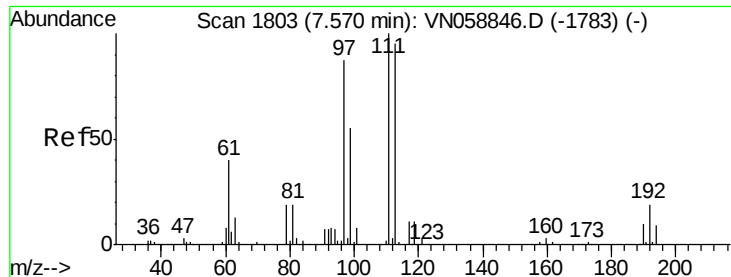
Tot Ion: 65 Resp: 276206
 Ion Ratio Lower Upper
 65 100
 67 53.0 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 114 Resp: 602774
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 44.4
 88 16.4 0.0 31.4

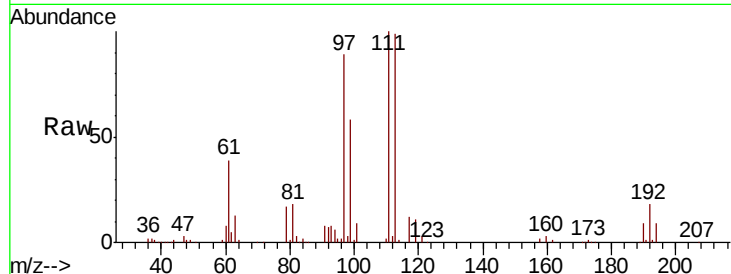




#35
 Dibromofluoromethane
 Concen: 53.437 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	19.8	15.0	22.6

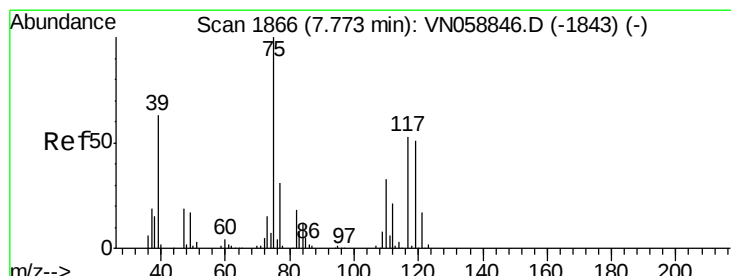
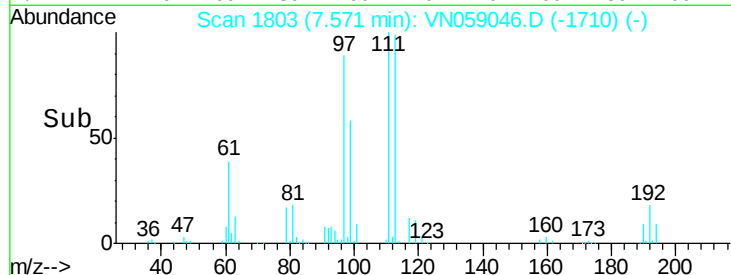
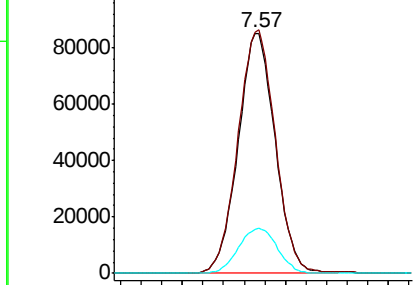


Abundance

Ion 112.80 (112.50 to 113.50): V

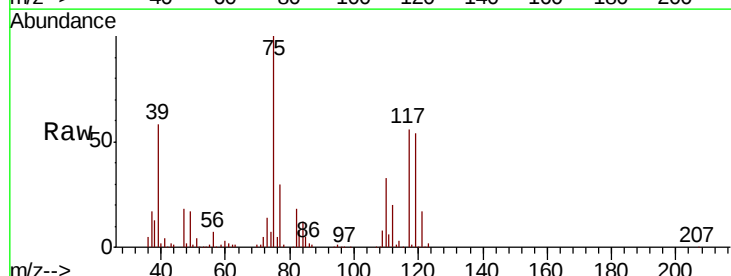
Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36
 1,1-Dichloropropene
 Concen: 49.099 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.0	16.3	48.9
77	31.0	24.6	36.8

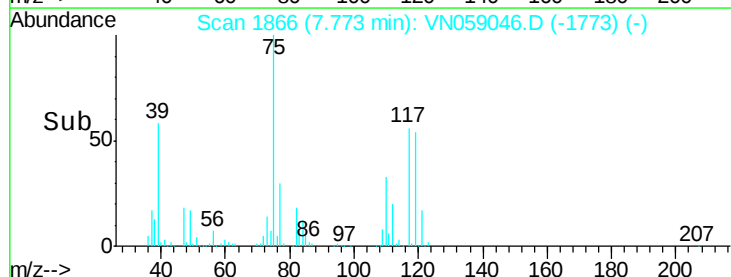
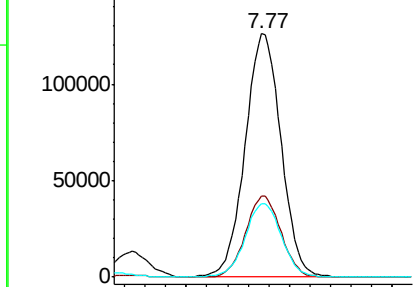


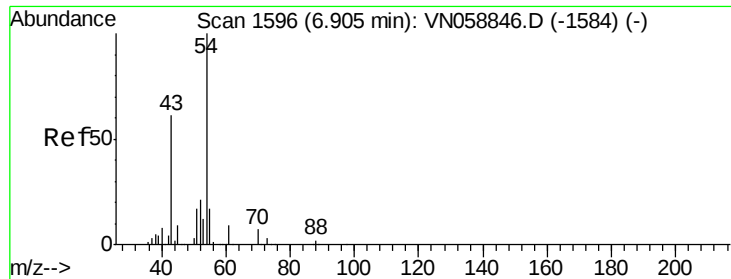
Abundance

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

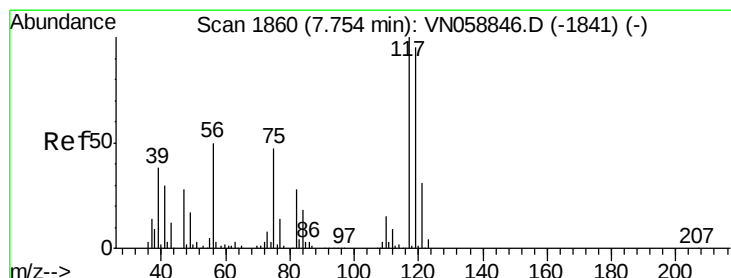
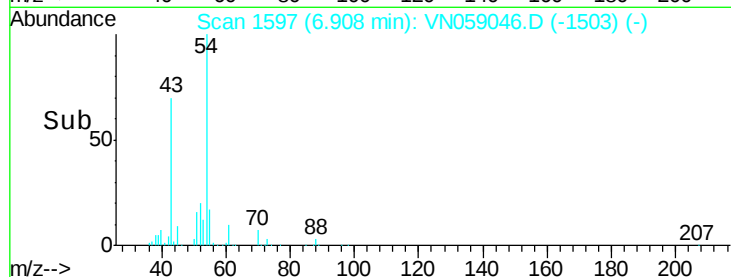
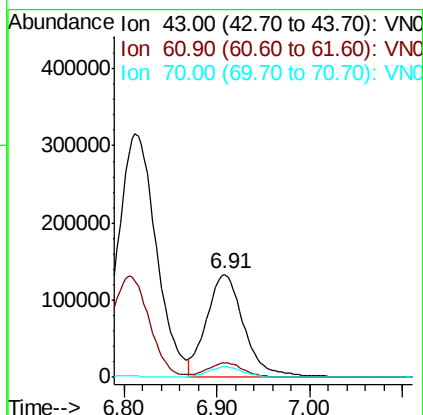
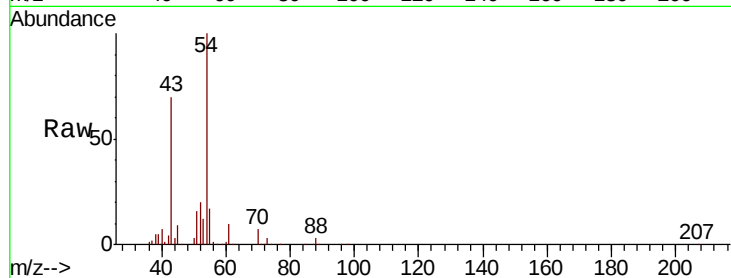




#37
Ethyl Acetate
Concen: 54.824 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

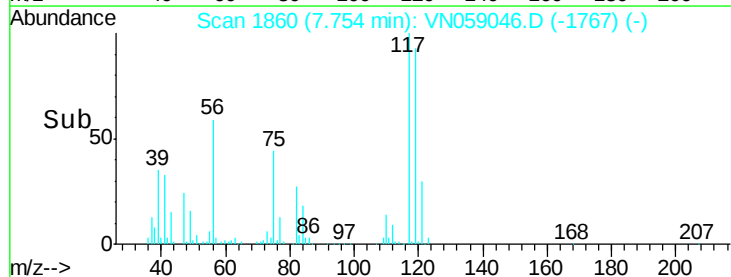
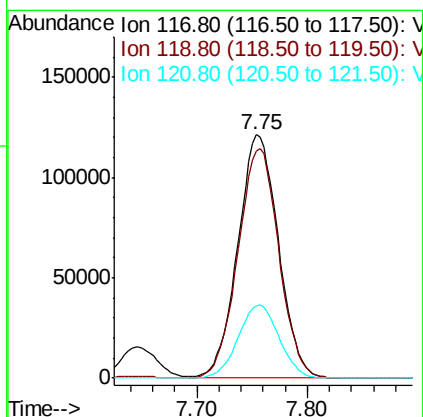
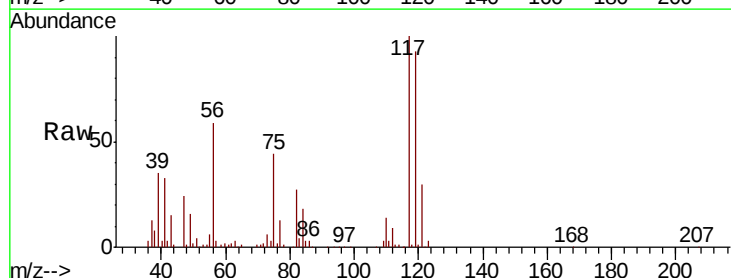
Instrument :
MSVOA_N
ClientSampleId :

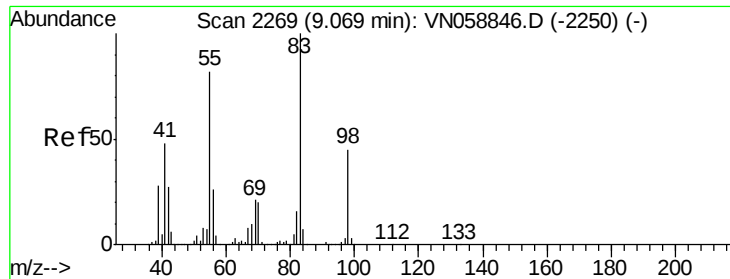
Tot Ion: 43 Resp: 368649
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.9 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.475 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 117 Resp: 308177
Ion Ratio Lower Upper
117 100
119 93.2 75.7 113.5
121 29.7 25.0 37.6

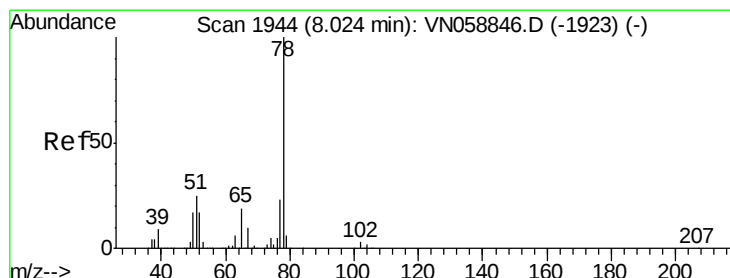
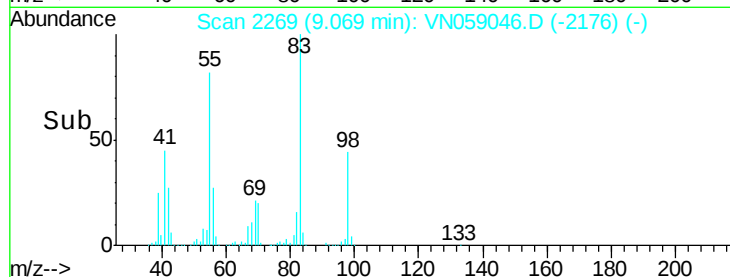
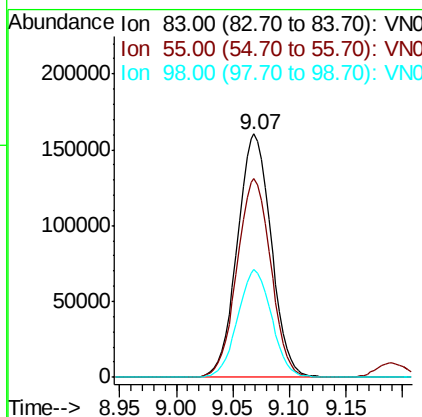
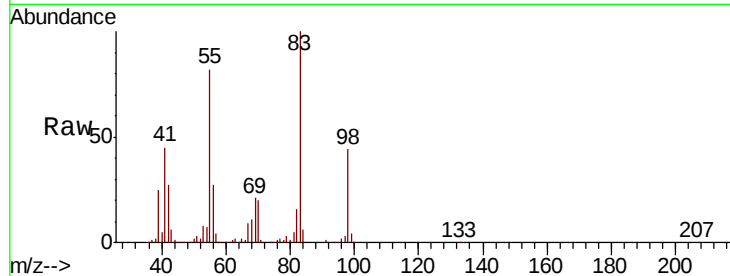




#39
Methvlcvclohexane
Concen: 48.347 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

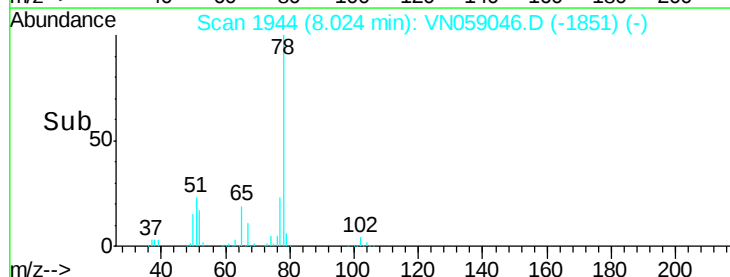
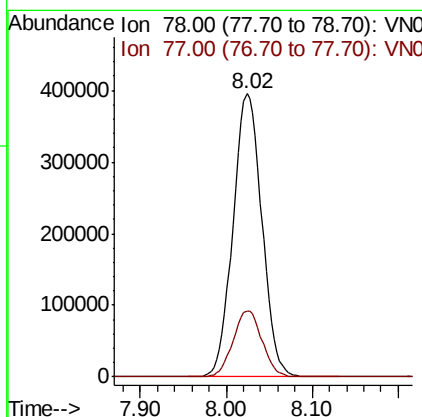
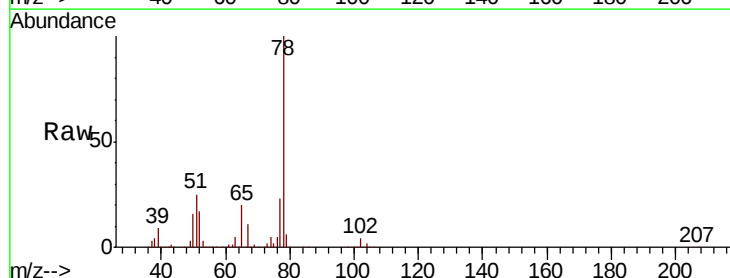
Instrument :
MSVOA_N
ClientSampled :

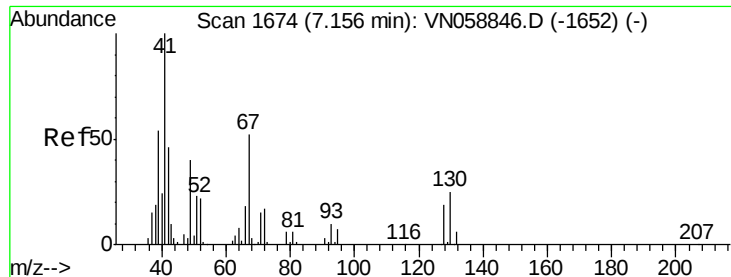
Tot Ion: 83 Resp: 335010
Ion Ratio Lower Upper
83 100
55 81.8 65.5 98.3
98 44.2 35.7 53.5



#40
Benzene
Concen: 50.839 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 78 Resp: 921283
Ion Ratio Lower Upper
78 100
77 23.3 18.2 27.2

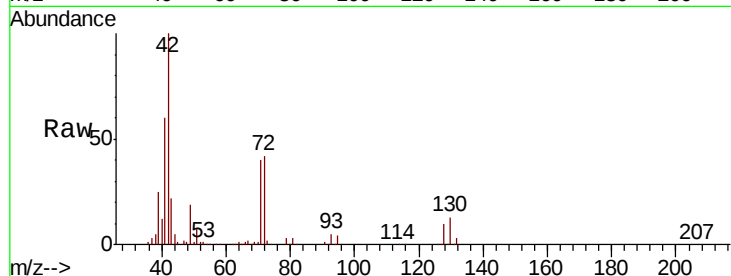




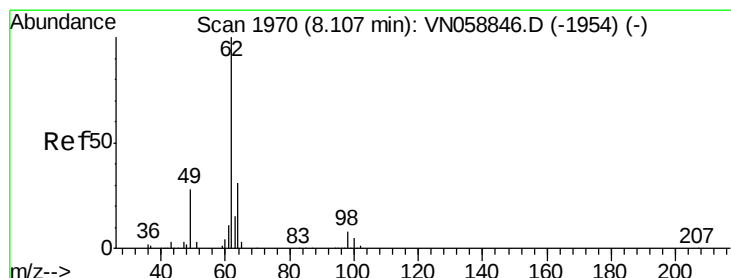
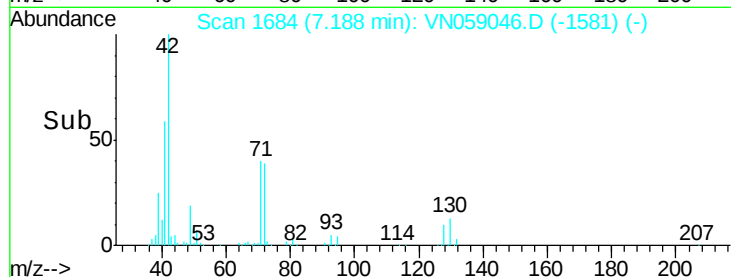
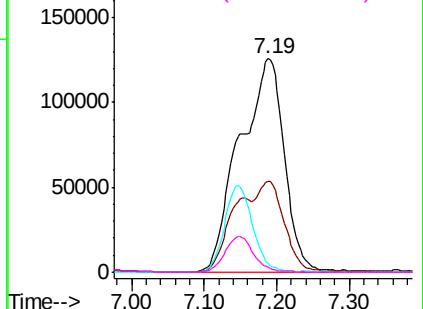
#41
Methacrylonitrile
Concen: 178.318 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	534031
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

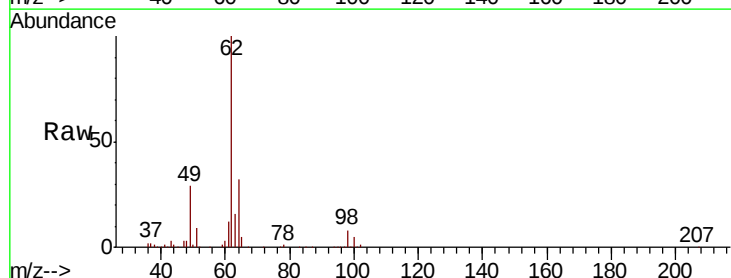


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

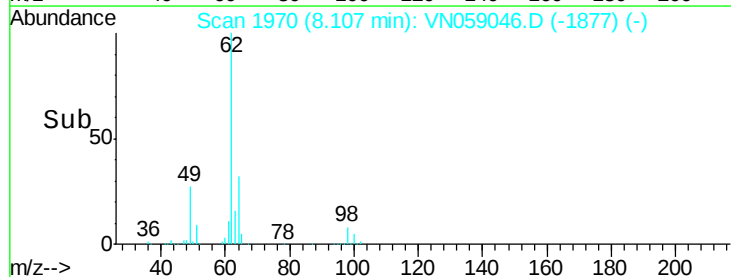
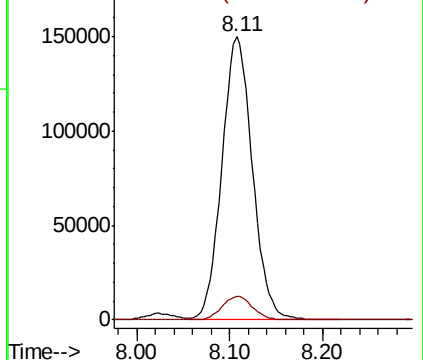


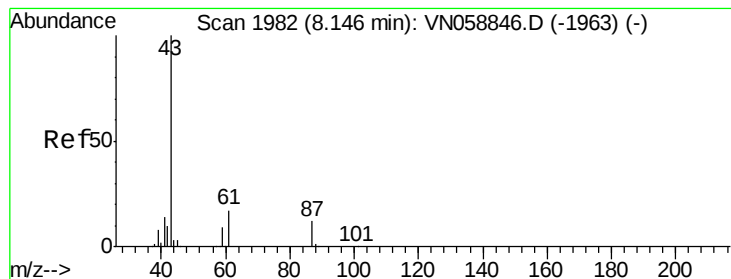
#42
1,2-Dichloroethane
Concen: 48.839 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion:	62	Resp:	340928
Ion	Ratio	Lower	Upper
62	100		
98	8.5	0.0	16.2



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 54.512 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

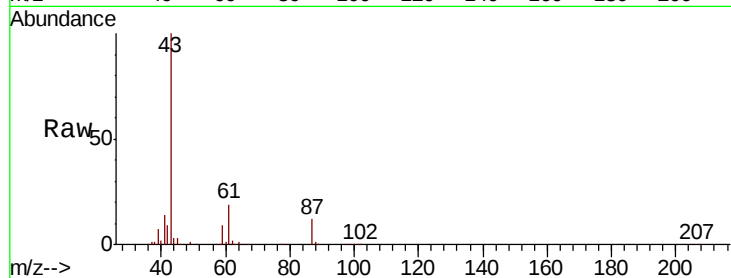
Tot Ion: 43 Resp: 587864

Ion Ratio Lower Upper

43 100

61 25.4 20.2 30.2

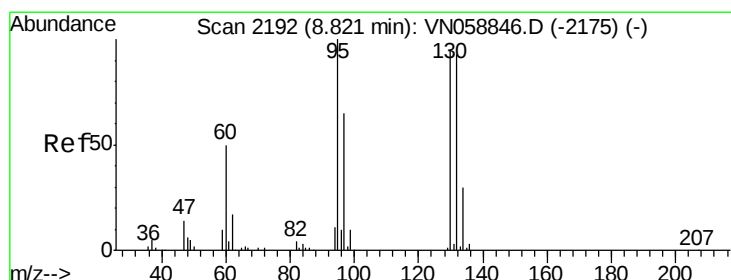
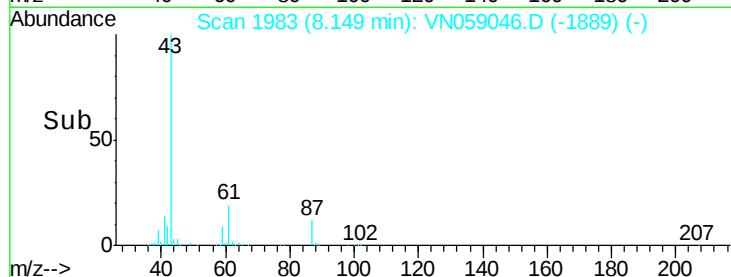
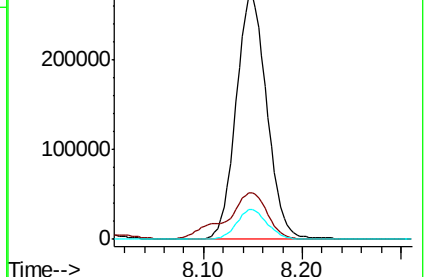
87 12.0 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)

Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)

Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



#44

Trichloroethene

Concen: 49.091 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN059046.D

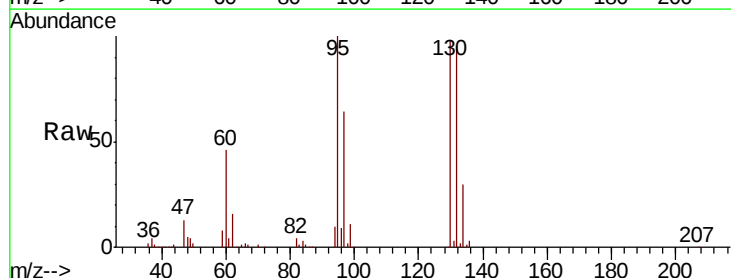
Acq: 31 Oct 2019 17:50

Tgt Ion: 130 Resp: 216703

Ion Ratio Lower Upper

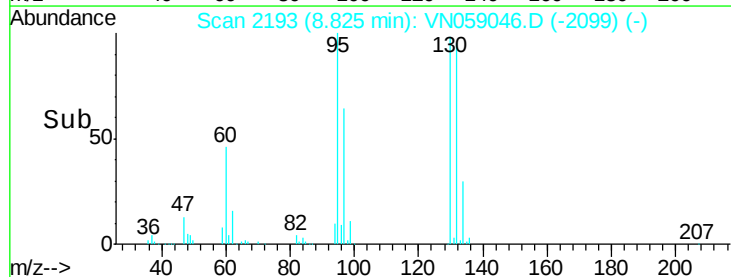
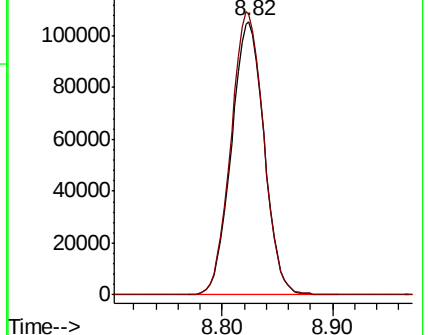
130 100

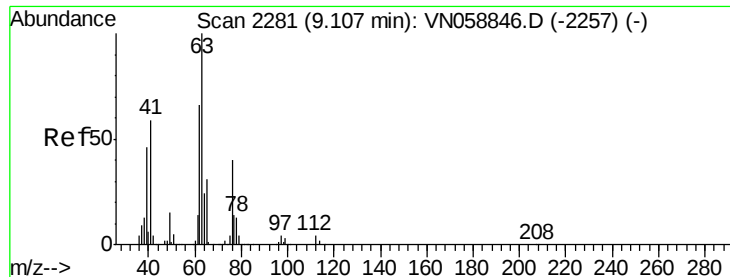
95 102.5 0.0 209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)

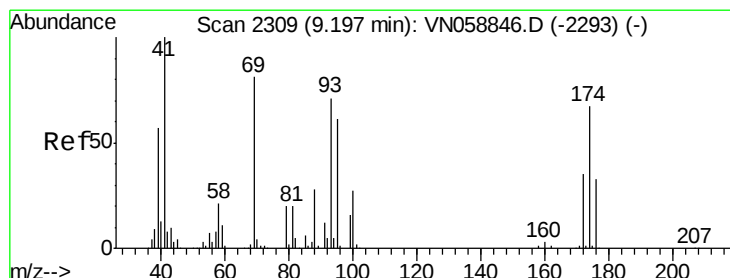
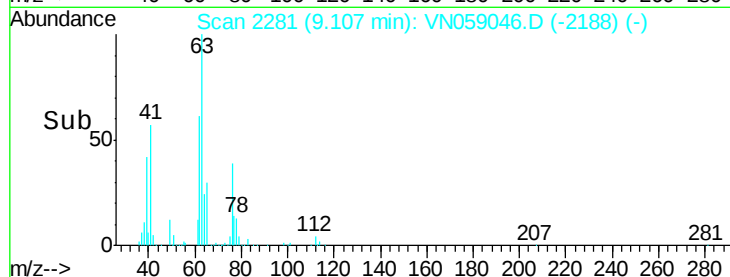
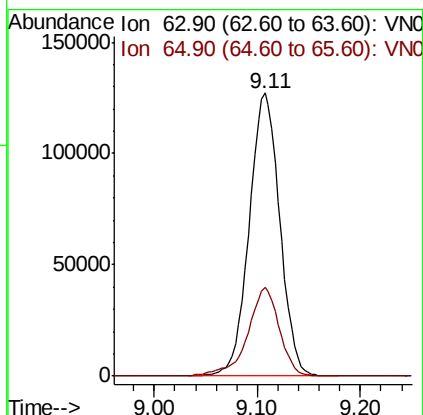
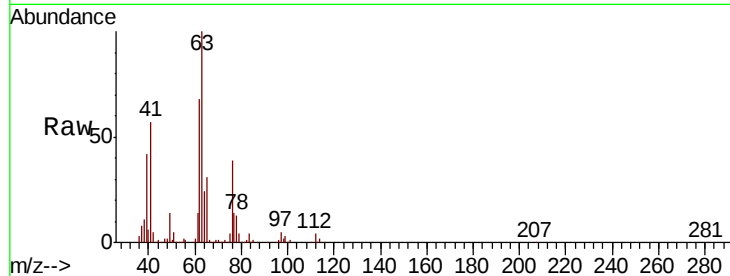




#45
 1,2-Dichloropropane
 Concen: 52.662 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

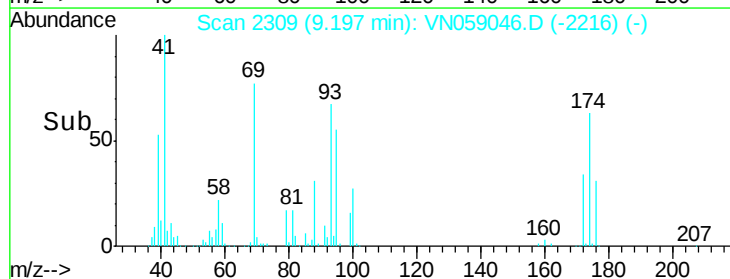
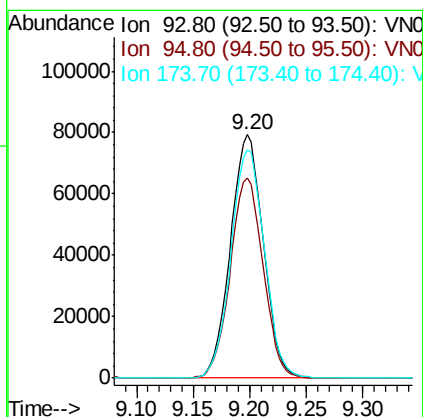
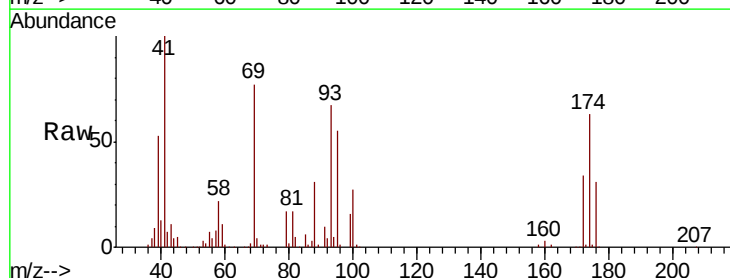
Instrument :
 MSVOA_N
 ClientSampled :

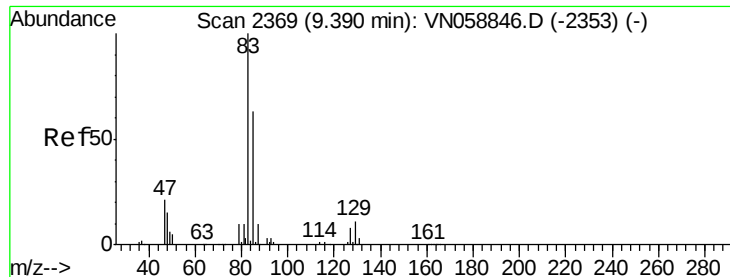
Tot Ion: 63 Resp: 261686
 Ion Ratio Lower Upper
 63 100
 65 31.2 24.5 36.7



#46
 Dibromomethane
 Concen: 51.213 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion: 93 Resp: 160879
 Ion Ratio Lower Upper
 93 100
 95 82.2 67.6 101.4
 174 95.4 74.1 111.1





#47

Bromodichloromethane

Concen: 51.947 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

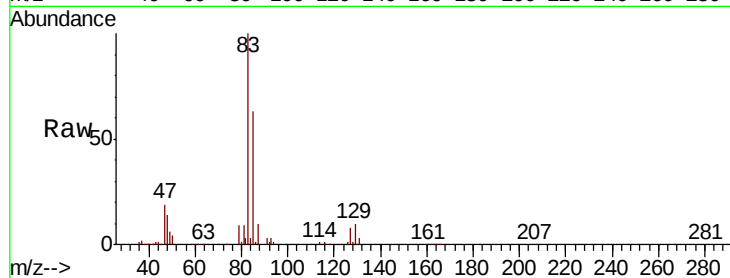
Tot Ion: 83 Resp: 336336

Ion Ratio Lower Upper

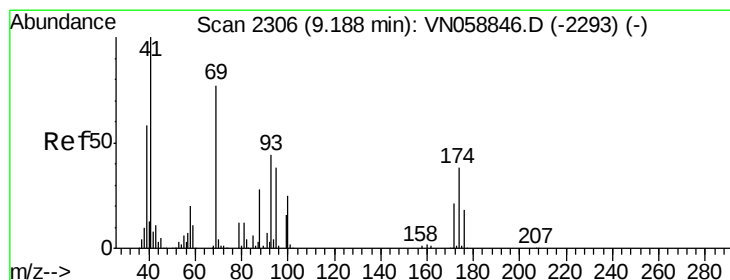
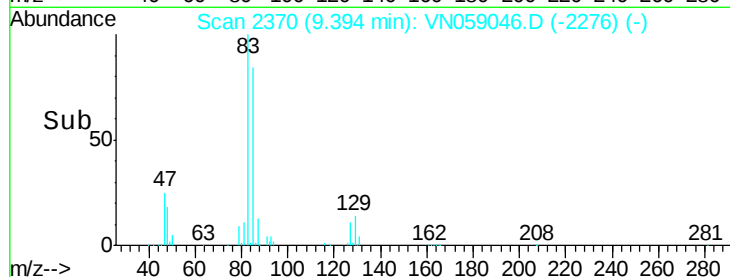
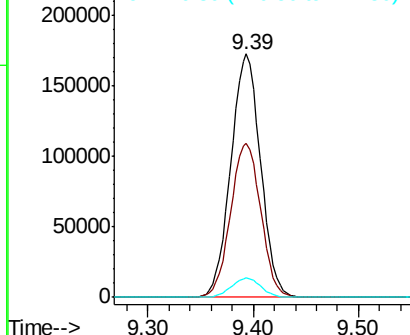
83 100

85 63.1 50.6 75.8

127 8.1 6.5 9.7



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



#48

Methyl methacrylate

Concen: 55.836 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

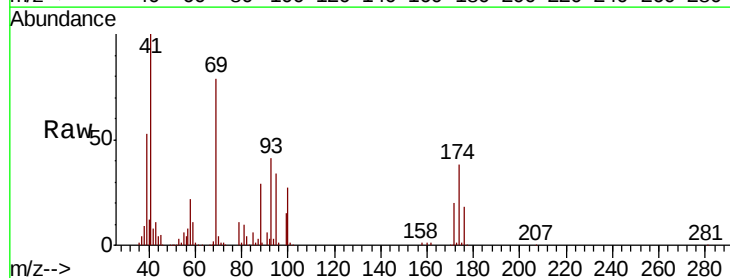
Tgt Ion: 41 Resp: 273193

Ion Ratio Lower Upper

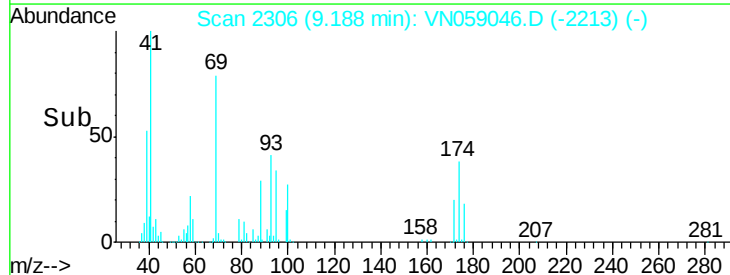
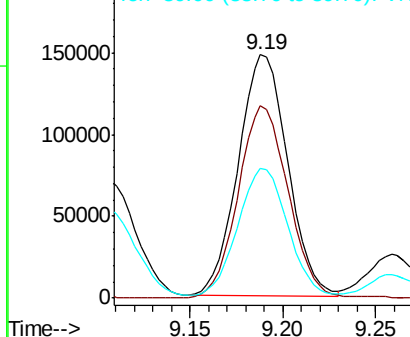
41 100

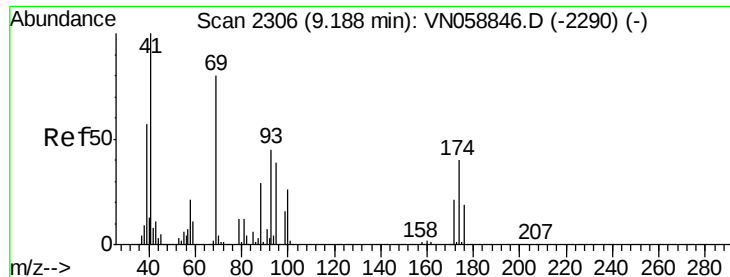
69 81.3 63.8 95.6

39 54.9 47.8 71.8



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

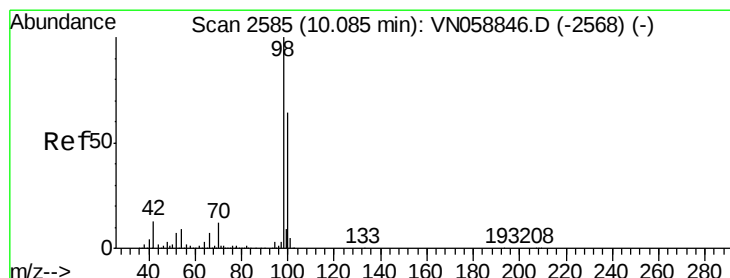
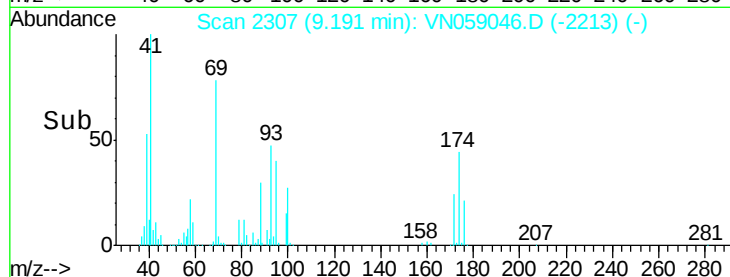
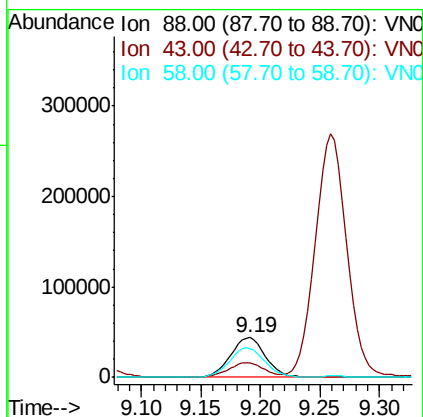
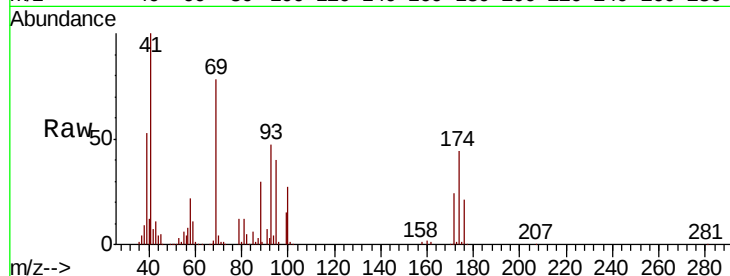




#49
1,4-Dioxane
Concen: 1119.378 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

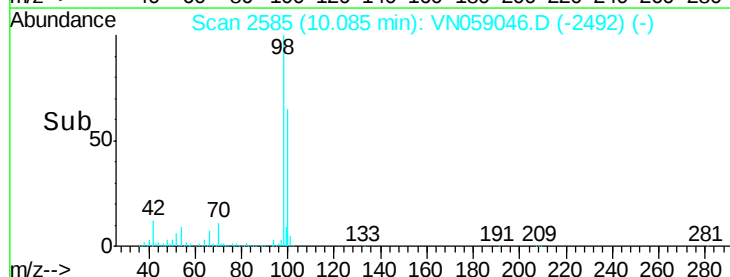
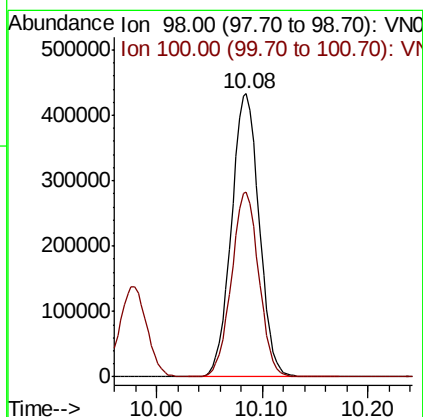
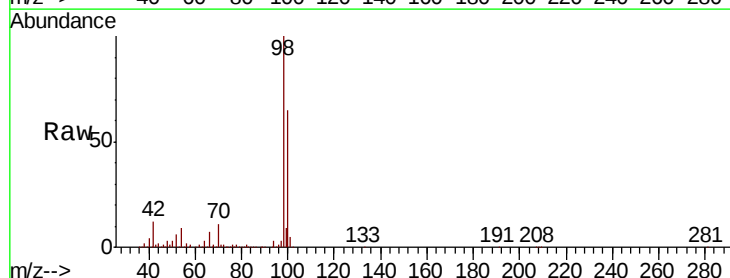
Instrument :
MSVOA_N
ClientSampleId :

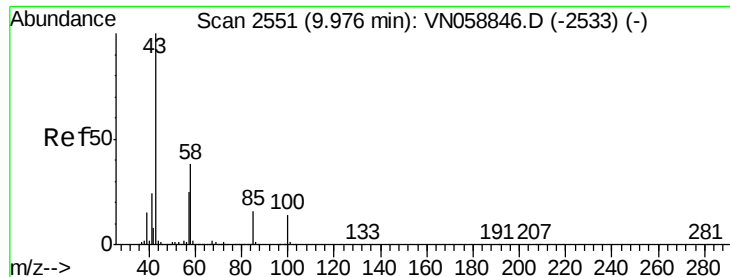
Tot Ion: 88 Resp: 89907
Ion Ratio Lower Upper
88 100
43 35.7 29.1 43.7
58 74.9 59.4 89.0



#50
Toluene-d8
Concen: 51.206 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 98 Resp: 787760
Ion Ratio Lower Upper
98 100
100 64.1 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 298.402 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

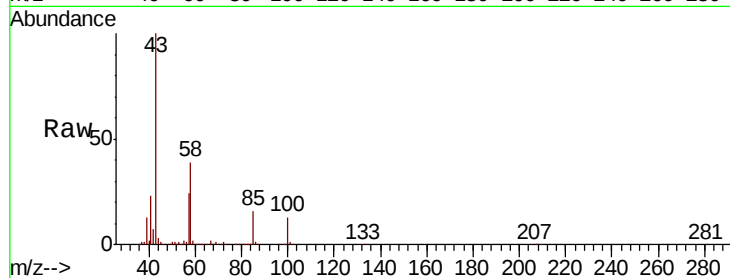
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1879615

Ion Ratio Lower Upper

43 100

58 38.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

1200000

1000000

800000

600000

400000

200000

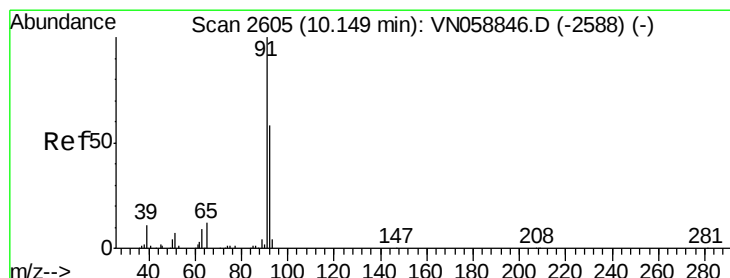
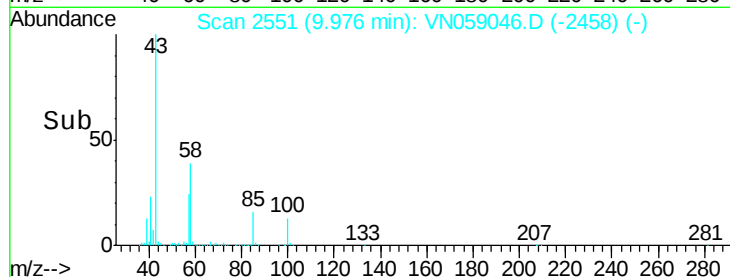
0

9.90

9.98

10.00

Time-->



#52

Toluene

Concen: 52.936 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059046.D

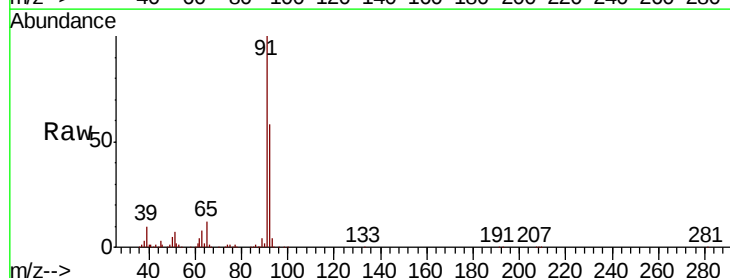
Acq: 31 Oct 2019 17:50

Tgt Ion: 92 Resp: 568863

Ion Ratio Lower Upper

92 100

91 173.5 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

600000

500000

400000

300000

200000

100000

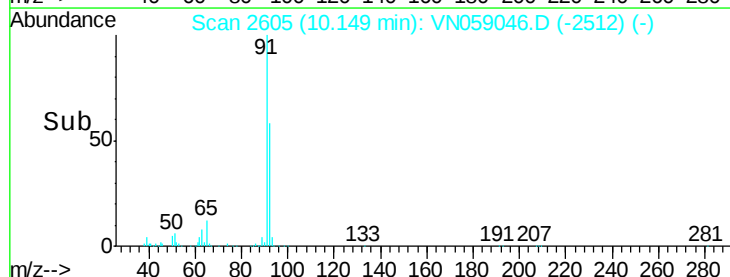
0

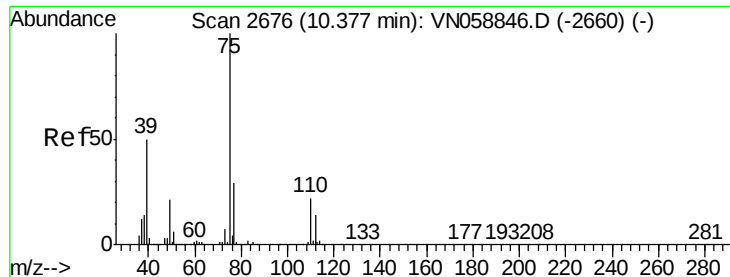
10.10

10.15

10.20

Time-->





#53

t-1,3-Dichloropropene

Concen: 53.195 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

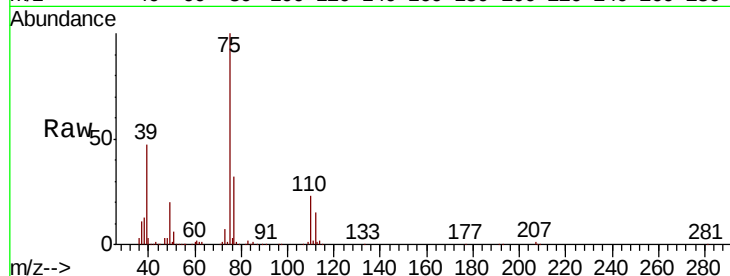
ClientSampleId :

Tot Ion: 75 Resp: 381279

Ion Ratio Lower Upper

75 100

77 31.0 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

200000

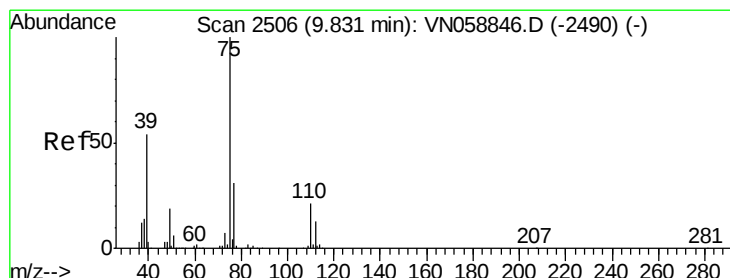
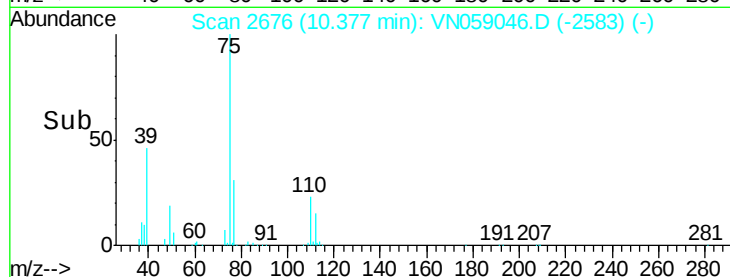
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 51.287 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

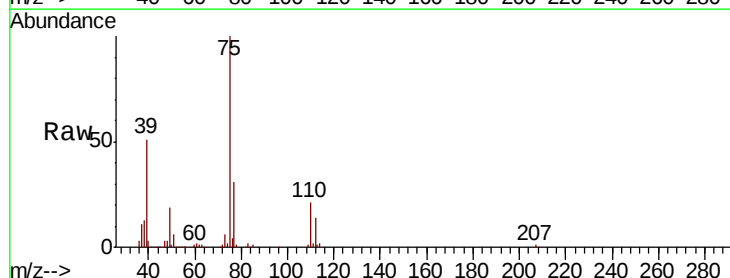
Tgt Ion: 75 Resp: 392738

Ion Ratio Lower Upper

75 100

77 30.8 24.7 37.1

39 50.5 43.5 65.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

9.83

250000

200000

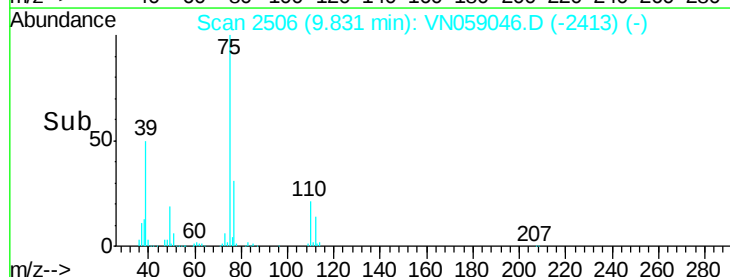
150000

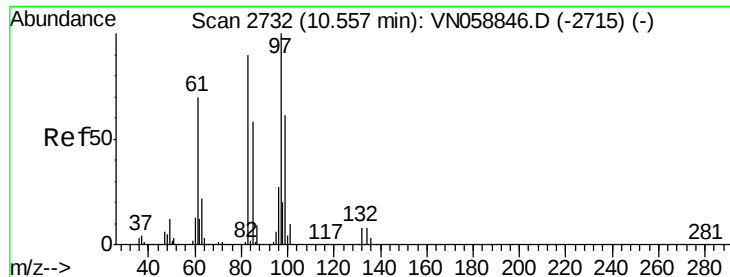
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 52.903 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 234201

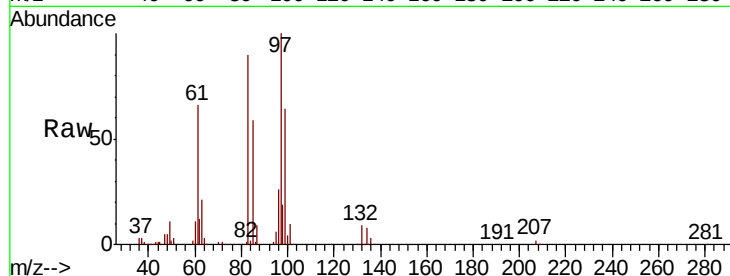
Ion Ratio Lower Upper

97 100

83 89.6 72.2 108.4

85 58.6 46.2 69.2

99 63.4 48.7 73.1

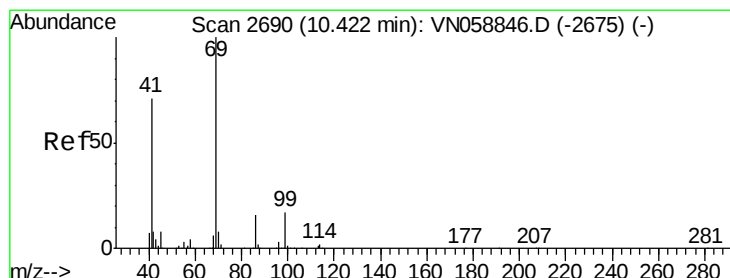
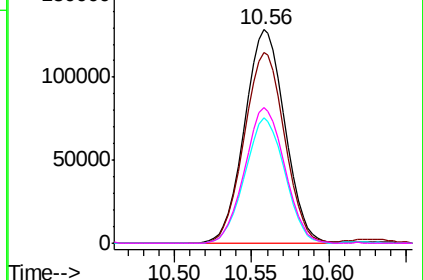
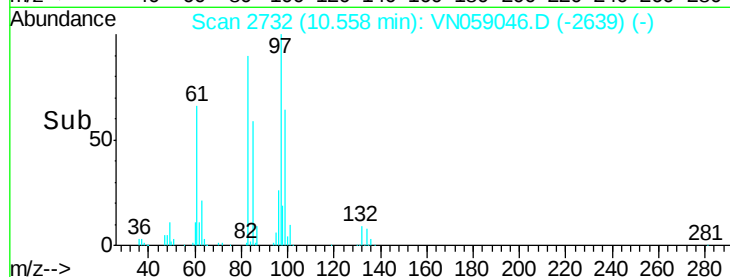


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 50.681 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

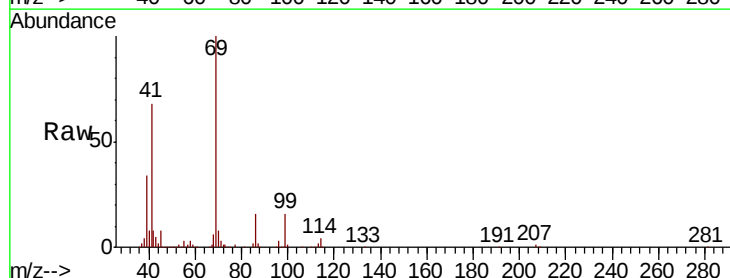
Tgt Ion: 69 Resp: 377101

Ion Ratio Lower Upper

69 100

41 69.3 57.2 85.8

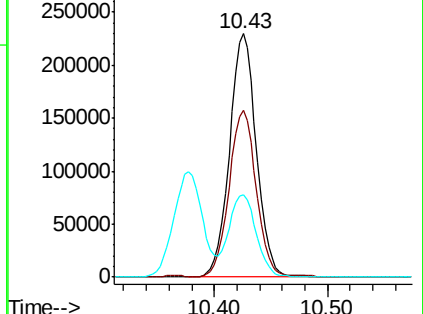
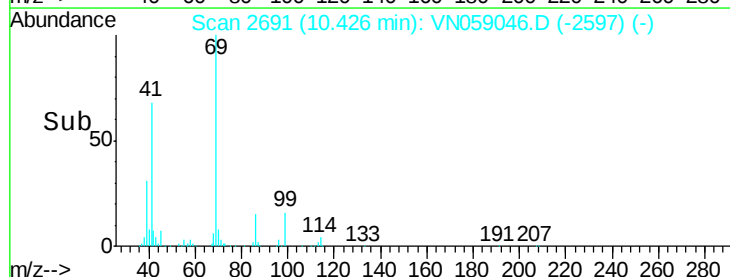
39 34.2 31.0 46.4

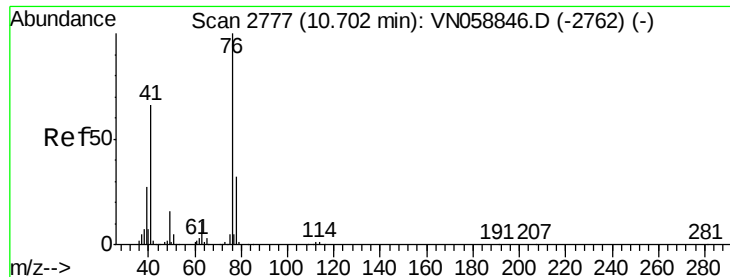


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 52.861 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

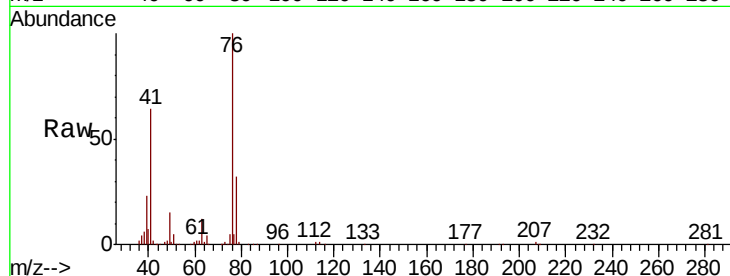
ClientSampled :

Tot Ion: 76 Resp: 410719

Ion Ratio Lower Upper

76 100

78 31.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

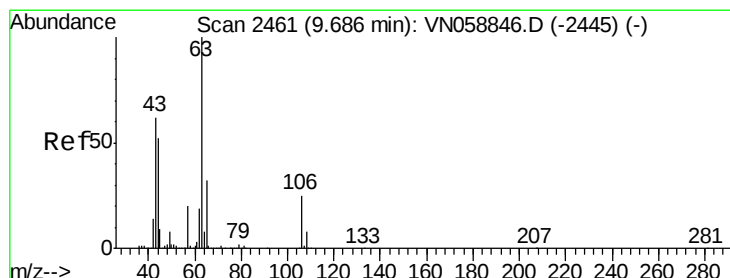
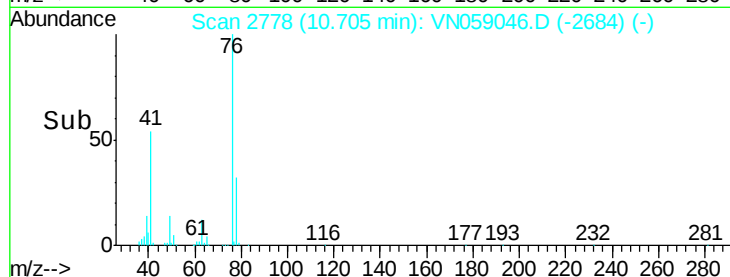
150000

100000

50000

0

Time-->



#58

2-Chloroethyl Vinyl ether

Concen: 5.706 ug/l

RT: 9.70 min Scan# 2466

Delta R.T. 0.02 min

Lab File: VN059046.D

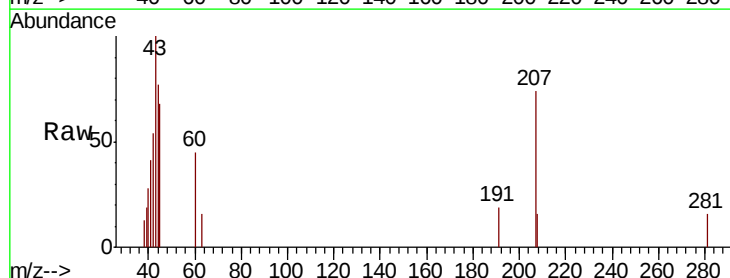
Acq: 31 Oct 2019 17:50

Tgt Ion: 63 Resp: 138

Ion Ratio Lower Upper

63 100

106 0.0 19.8 29.8#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.70

200

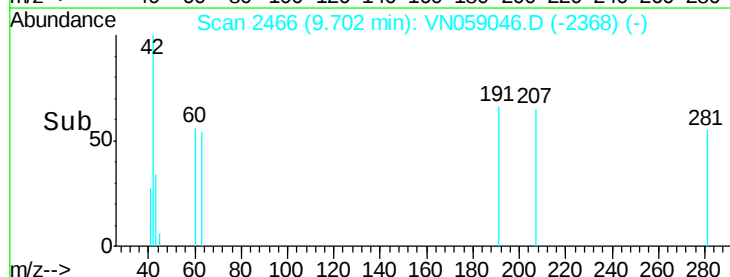
150

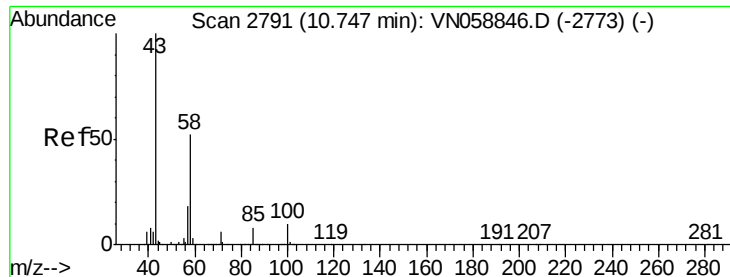
100

50

0

Time-->

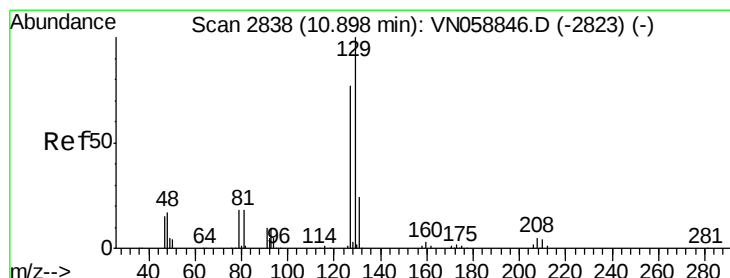
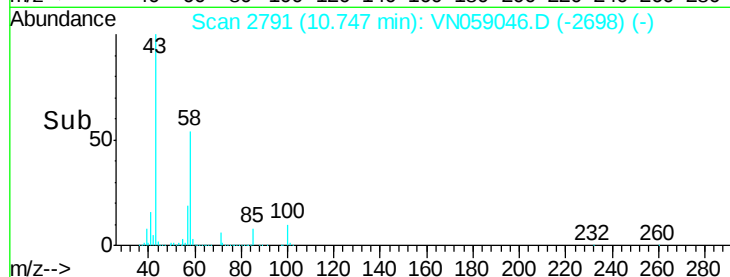
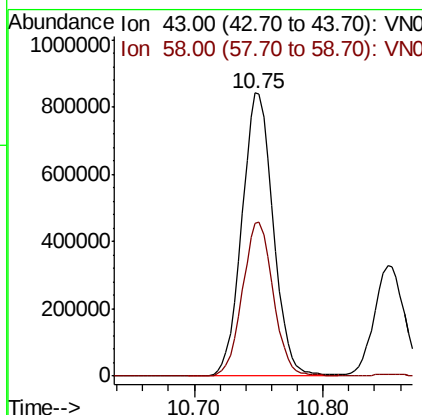
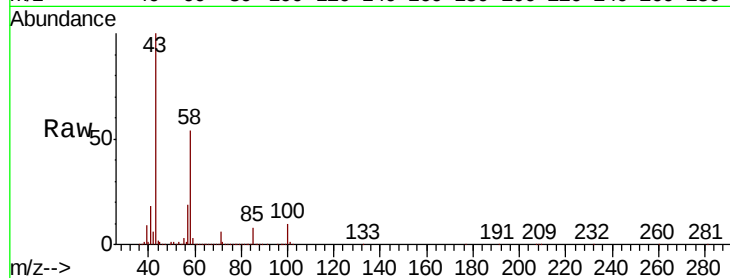




#59
2-Hexanone
Concen: 291.171 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

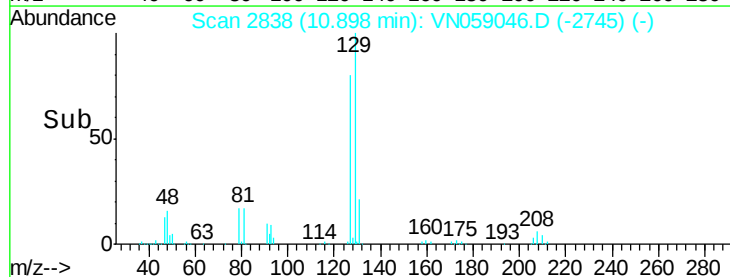
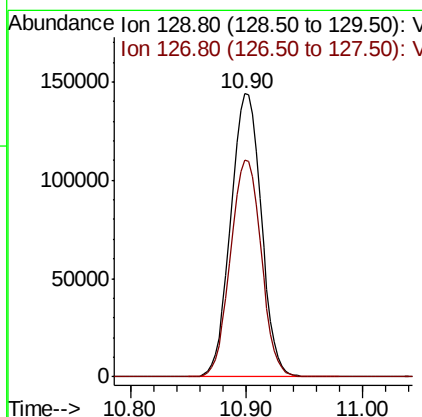
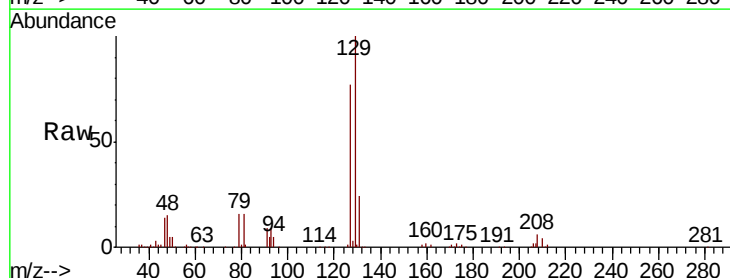
Instrument :
MSVOA_N
ClientSampled :

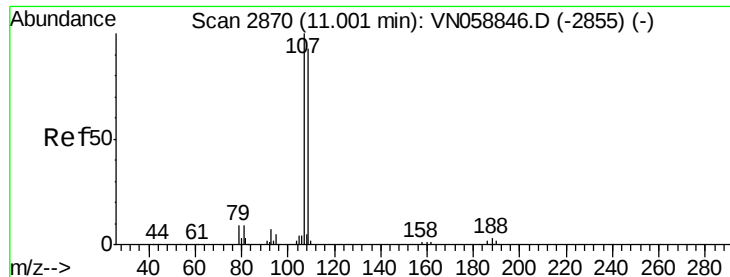
Tot Ion: 43 Resp: 1417246
Ion Ratio Lower Upper
43 100
58 53.9 25.9 77.7



#60
Dibromochloromethane
Concen: 55.056 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 129 Resp: 262342
Ion Ratio Lower Upper
129 100
127 77.0 39.1 117.3





#61

1,2-Dibromoethane

Concen: 53.690 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

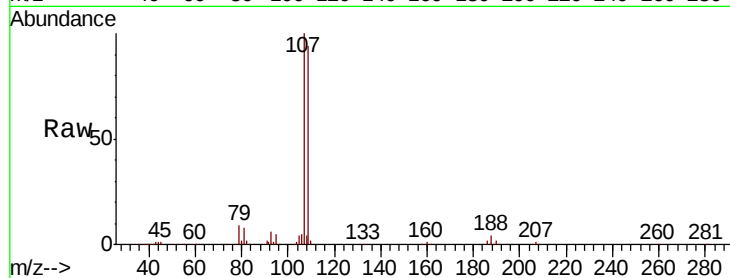
ClientSampleId :

Tot Ion:107 Resp: 243241

Ion Ratio Lower Upper

107 100

109 94.1 75.2 112.8



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

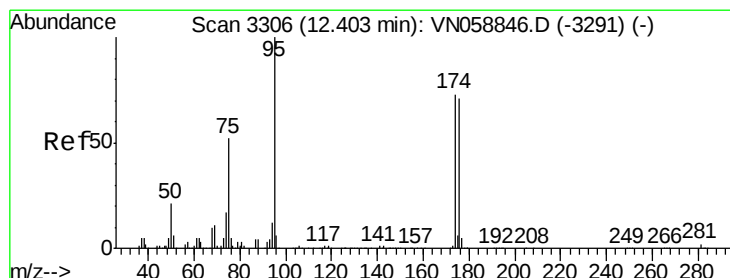
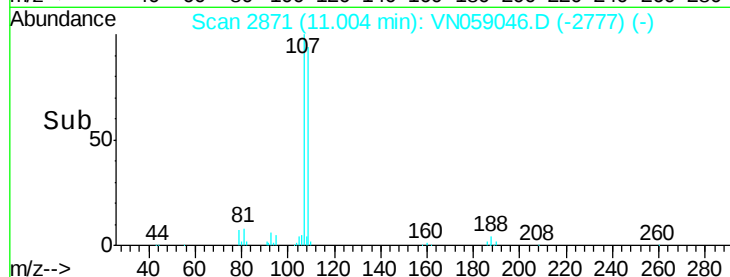
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.512 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

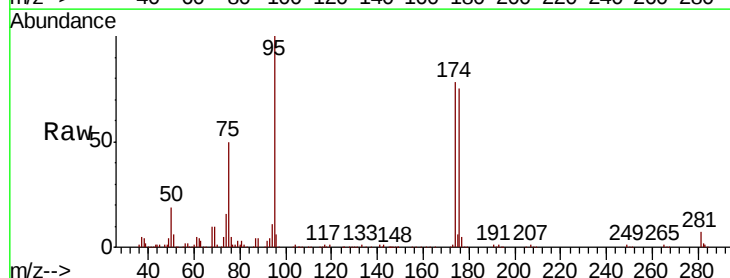
Tgt Ion: 95 Resp: 302314

Ion Ratio Lower Upper

95 100

174 77.8 0.0 147.6

176 75.7 0.0 143.2



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

250000

200000

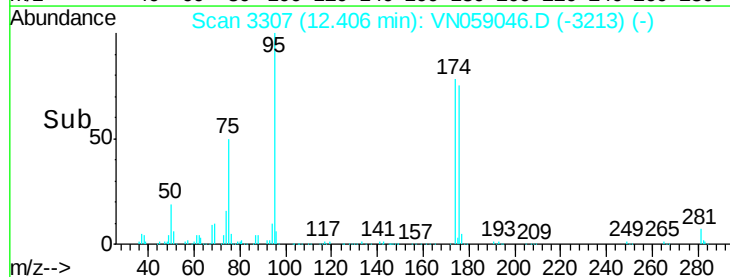
150000

100000

50000

0

Time--> 12.35 12.40 12.45





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

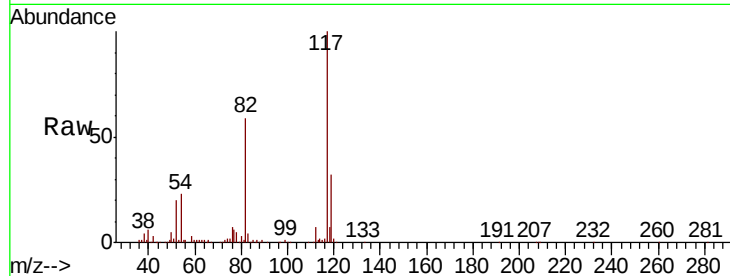
Tot Ion:117 Resp: 568328

Ion Ratio Lower Upper

117 100

82 59.0 46.6 69.8

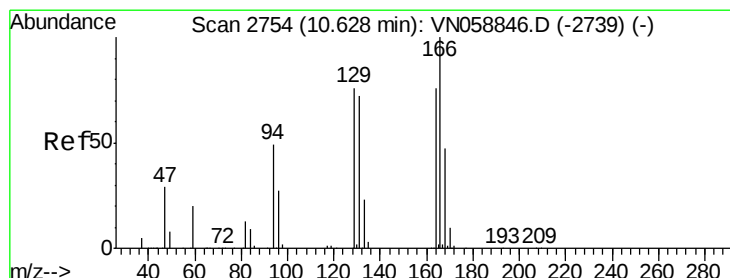
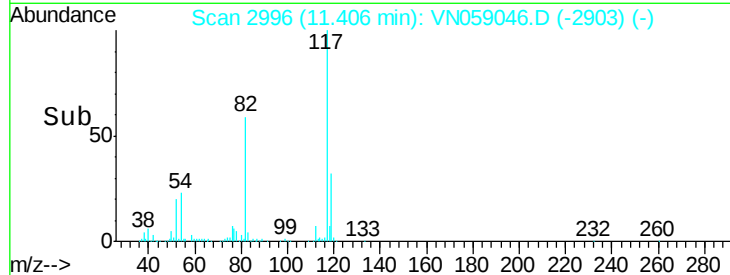
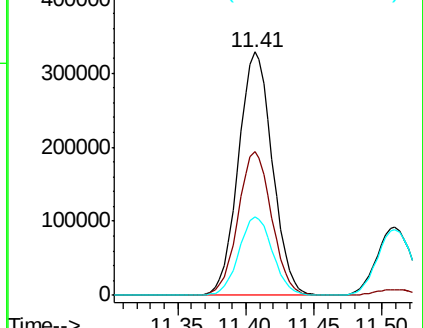
119 32.5 25.6 38.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 45.662 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion:164 Resp: 181743

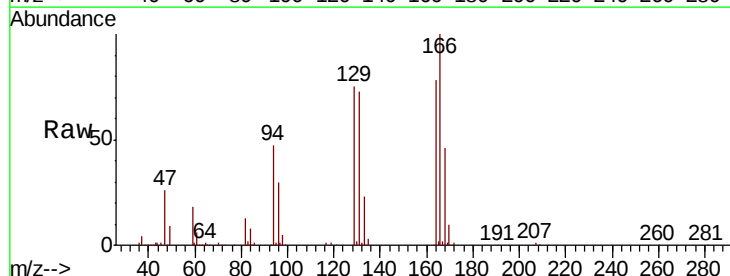
Ion Ratio Lower Upper

164 100

166 128.3 104.8 157.2

129 95.9 79.3 118.9

131 93.5 75.8 113.6

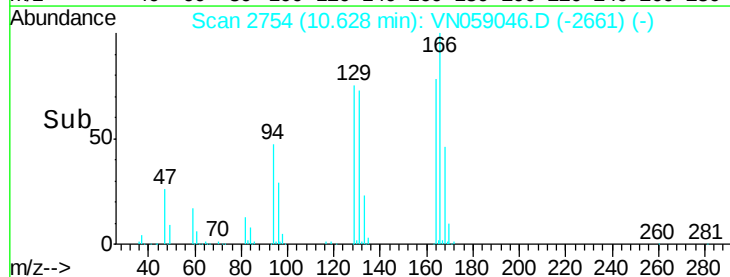
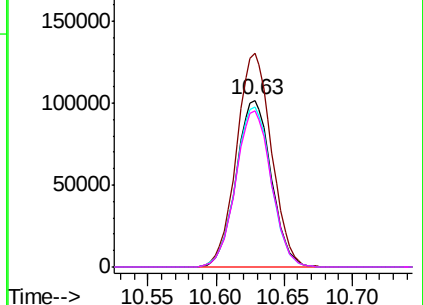


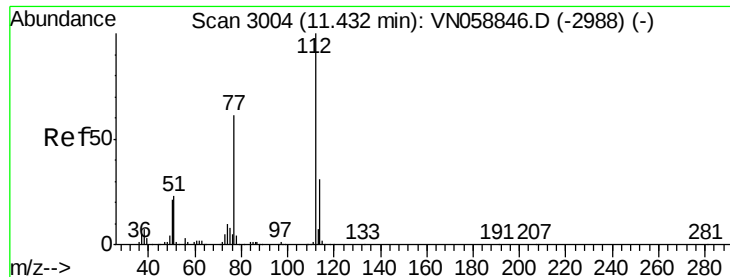
Abundance Ion 163.80 (163.50 to 164.50): V

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

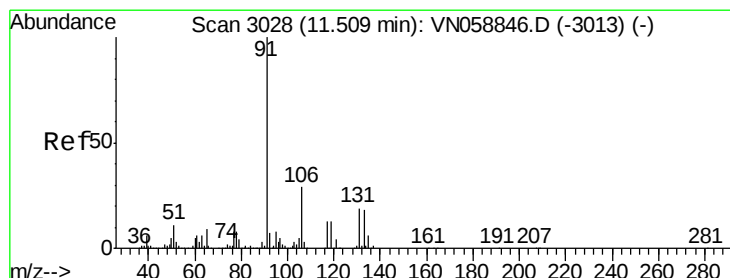
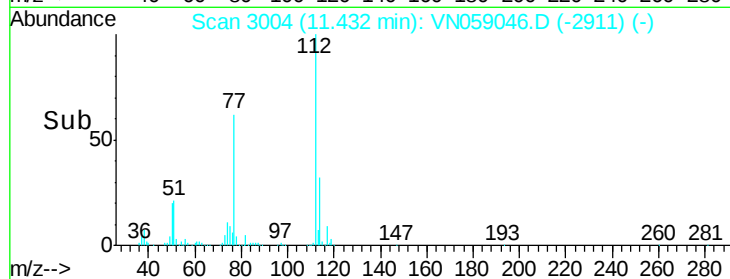
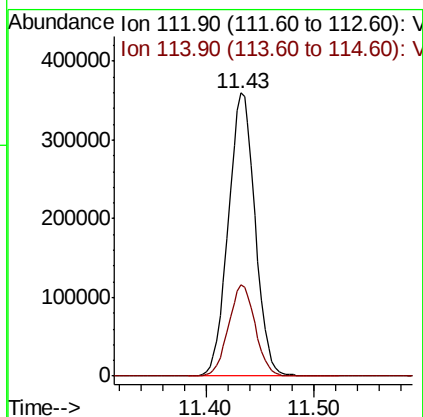
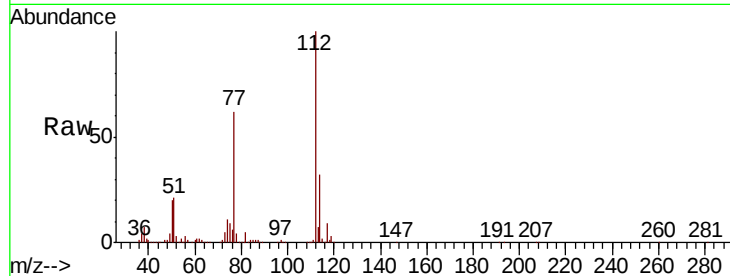




#65
Chlorobenzene
Concen: 53.799 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

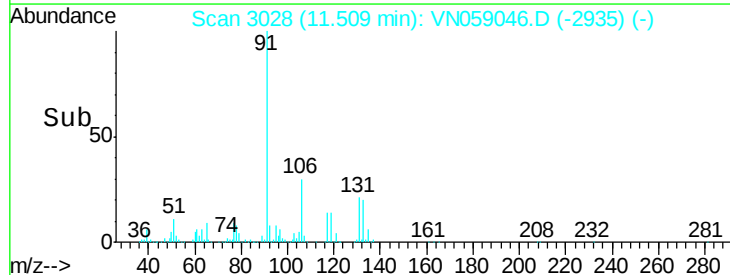
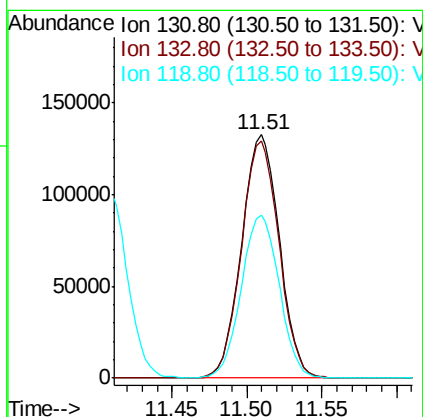
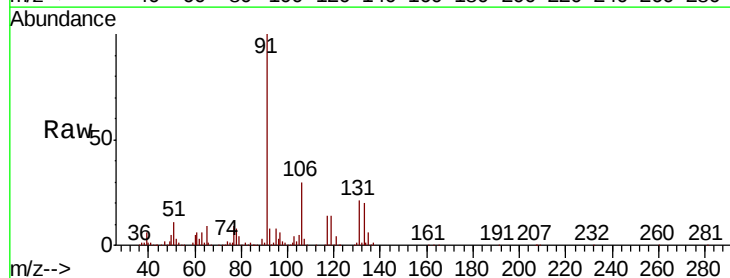
Instrument :
MSVOA_N
ClientSampled :

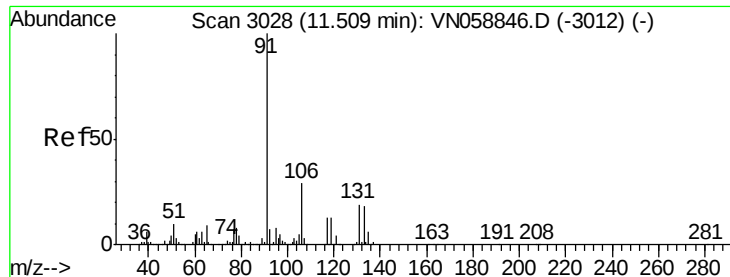
Tot Ion:112 Resp: 622477
Ion Ratio Lower Upper
112 100
114 32.1 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 53.342 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion:131 Resp: 232902
Ion Ratio Lower Upper
131 100
133 97.5 48.4 145.2
119 67.5 33.6 100.8

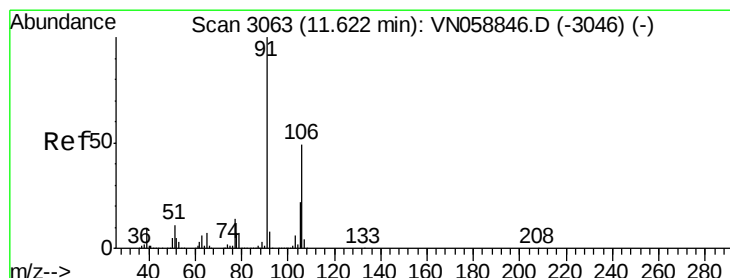
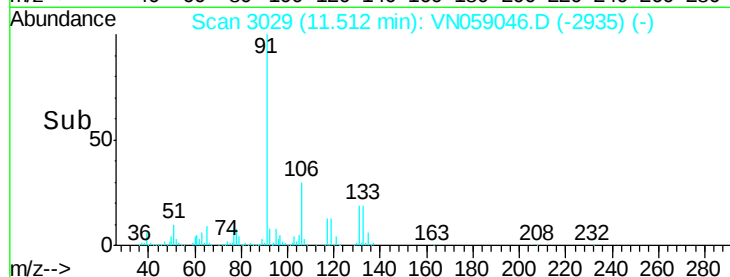
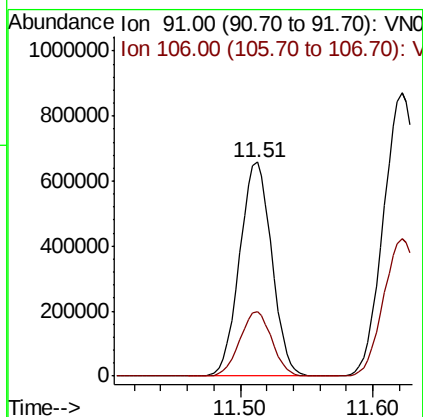
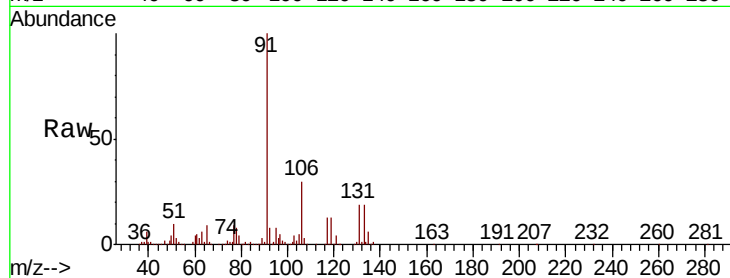




#67
Ethyl Benzene
Concen: 54.533 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

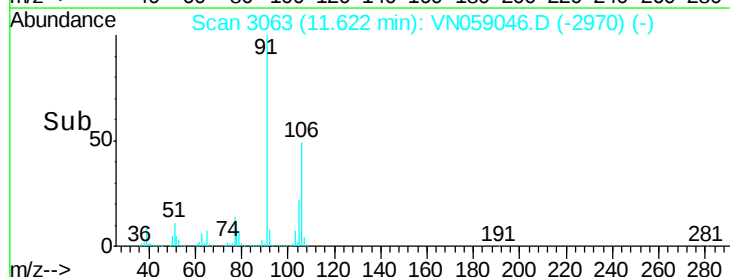
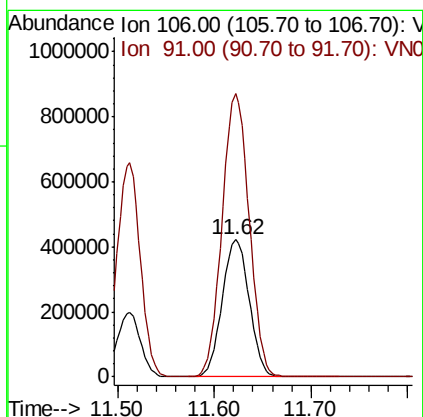
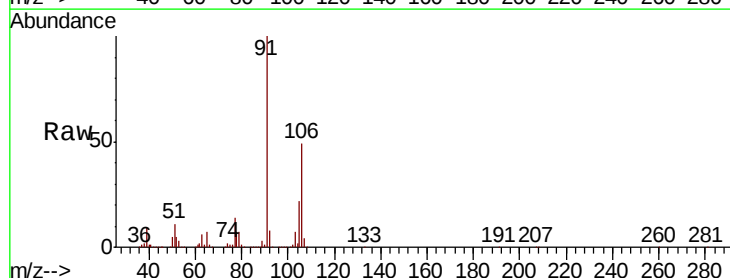
Instrument :
MSVOA_N
ClientSampled :

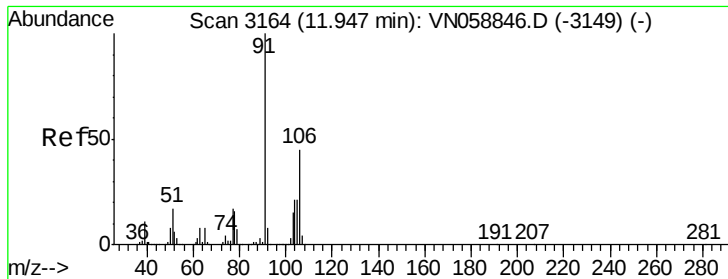
Tot Ion: 91 Resp: 1106863
Ion Ratio Lower Upper
91 100
106 30.2 23.4 35.0



#68
m/p-Xylenes
Concen: 109.168 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 106 Resp: 821719
Ion Ratio Lower Upper
106 100
91 206.4 166.6 249.8

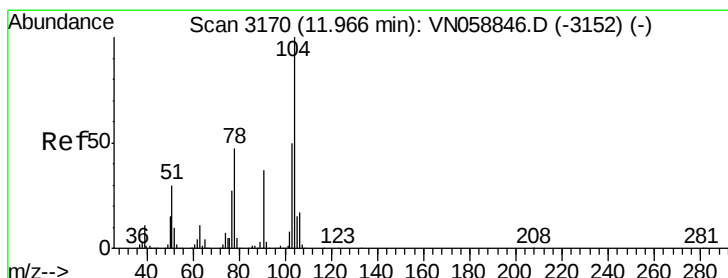
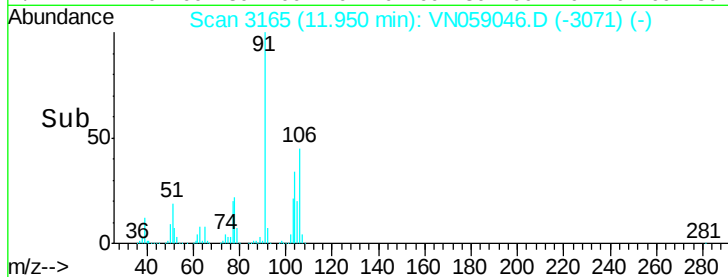
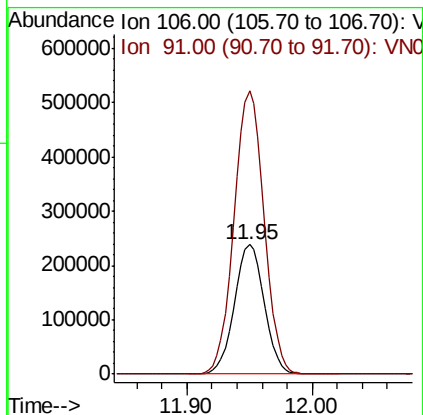
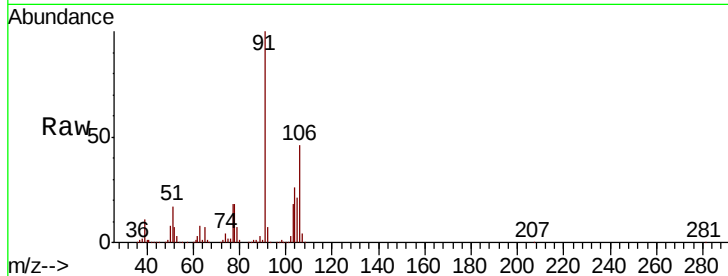




#69
o-Xylene
Concen: 54.883 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

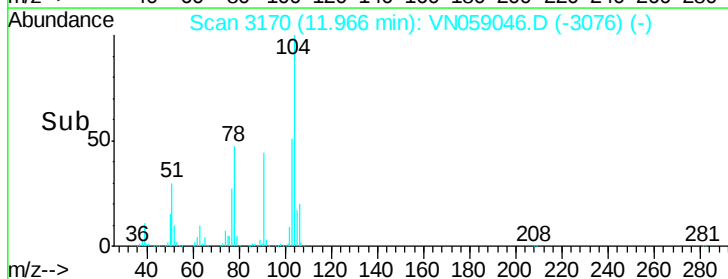
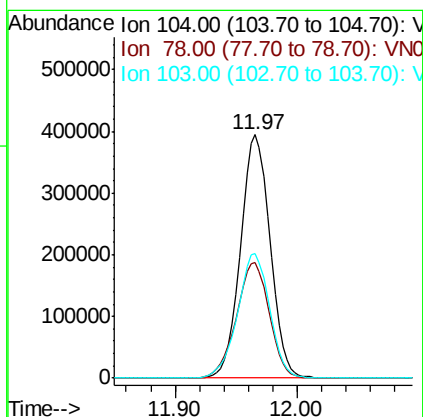
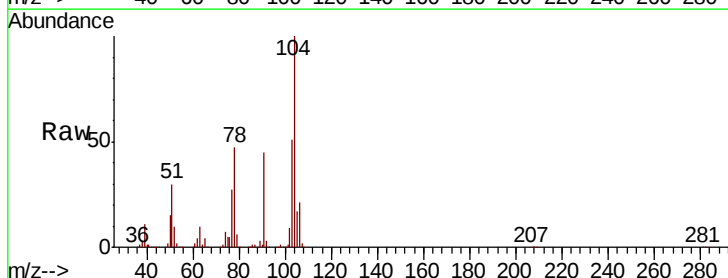
Instrument :
MSVOA_N
ClientSampled :

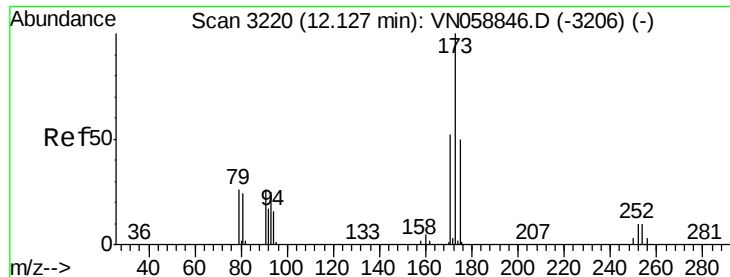
Tot Ion:106 Resp: 393997
Ion Ratio Lower Upper
106 100
91 220.2 111.5 334.4



#70
Styrene
Concen: 49.784 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion:104 Resp: 659599
Ion Ratio Lower Upper
104 100
78 52.9 42.8 64.2
103 55.5 44.3 66.5





#71

Bromoform

Concen: 57.177 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

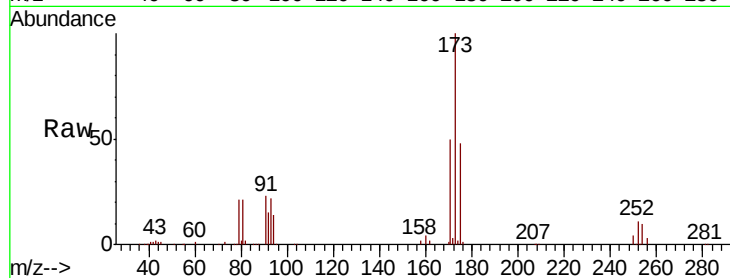
Tot Ion:173 Resp: 193584

Ion Ratio Lower Upper

173 100

175 47.6 24.7 74.1

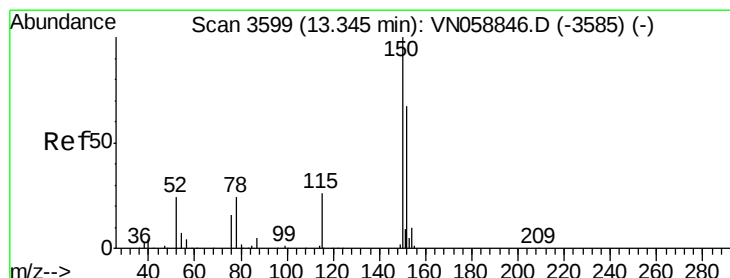
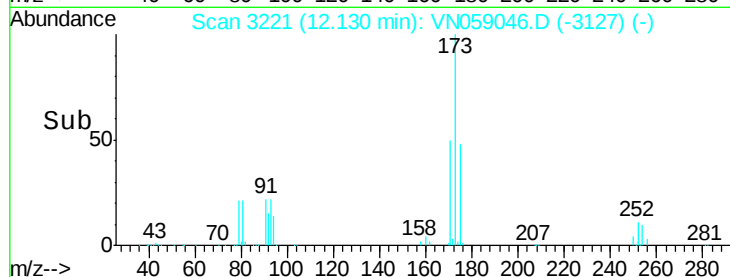
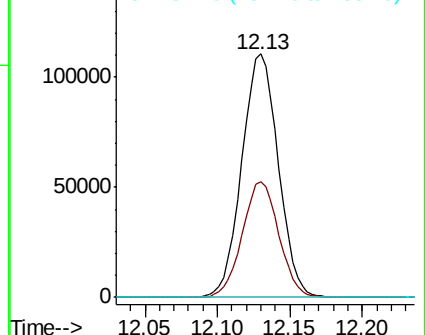
254 0.0 0.0 0.0#



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: 13.35 min Scan# 3600

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

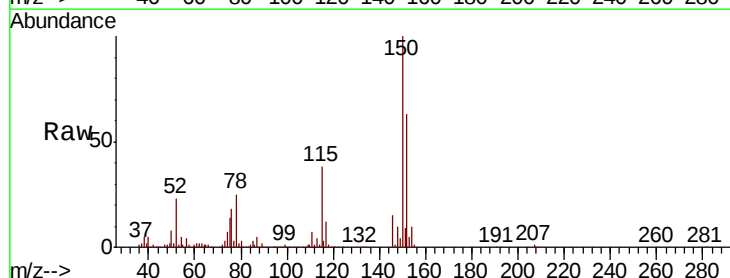
Tgt Ion:152 Resp: 281676

Ion Ratio Lower Upper

152 100

115 59.4 30.5 91.5

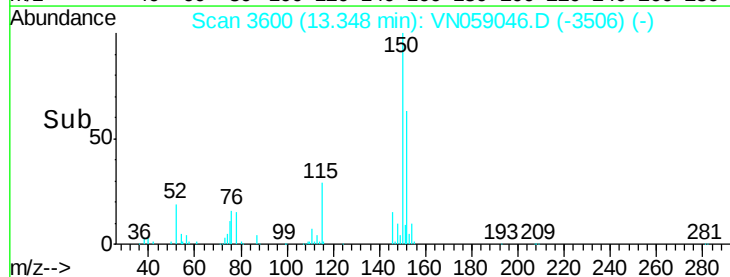
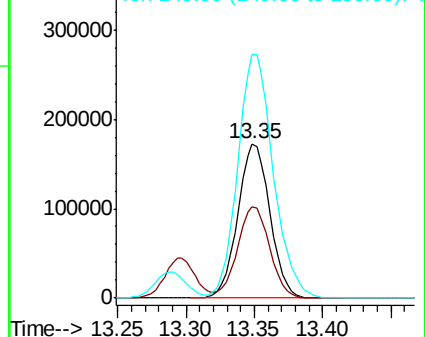
150 174.3 0.0 344.4



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: 51.918 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

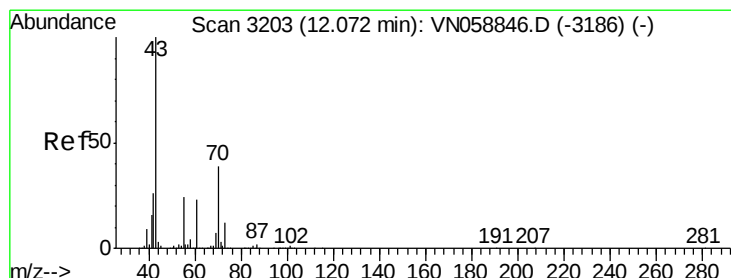
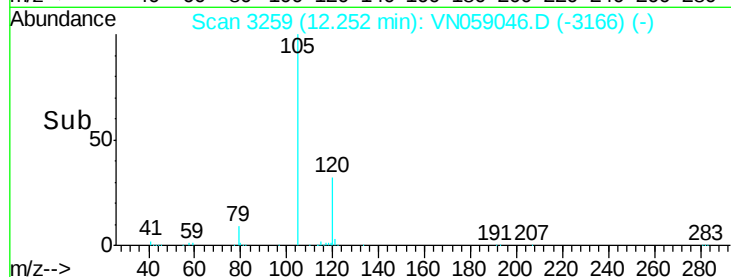
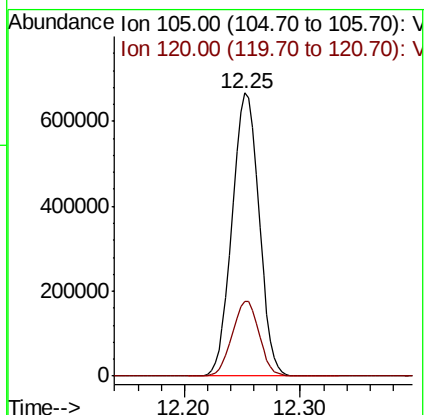
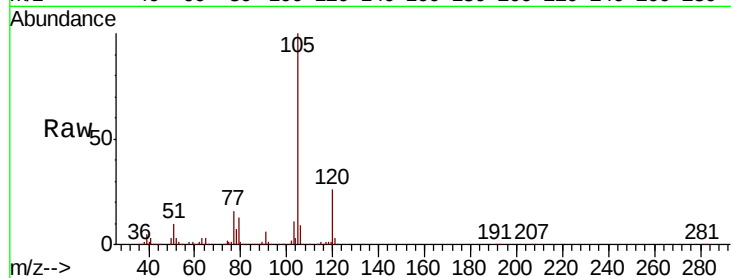
ClientSampleId :

Tot Ion:105 Resp: 1068735

Ion Ratio Lower Upper

105 100

120 26.4 12.8 38.4



#74

N-ethyl acetate

Concen: 55.512 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Tgt Ion: 43 Resp: 518065

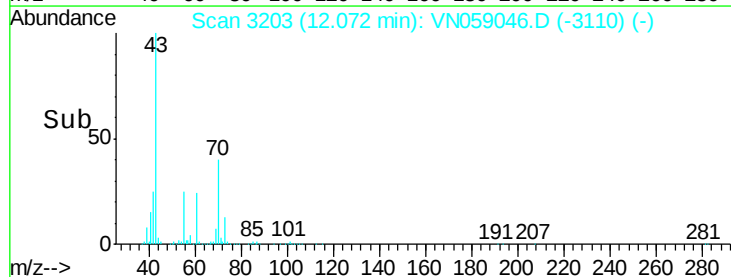
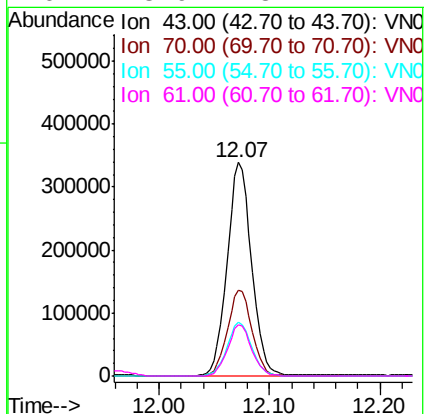
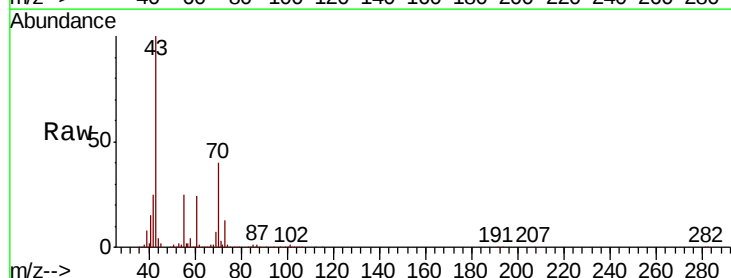
Ion Ratio Lower Upper

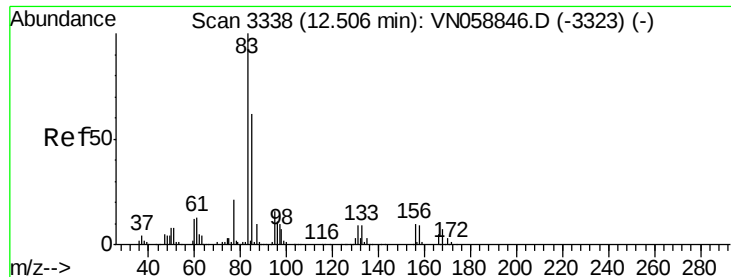
43 100

70 40.7 30.9 46.3

55 25.5 19.7 29.5

61 23.9 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 53.575 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

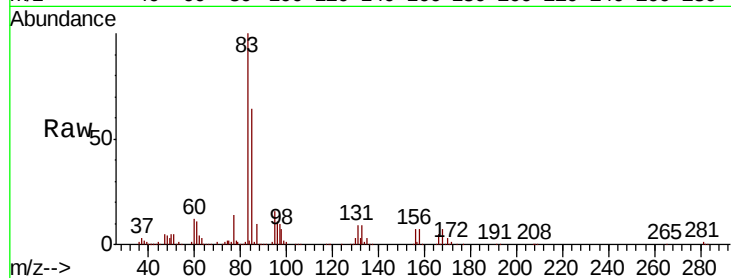
Tot Ion: 83 Resp: 387790

Ion	Ratio	Lower	Upper
83	100		
131	9.5	4.7	14.1
85	64.2	31.7	95.1

83 100

131 9.5 4.7 14.1

85 64.2 31.7 95.1



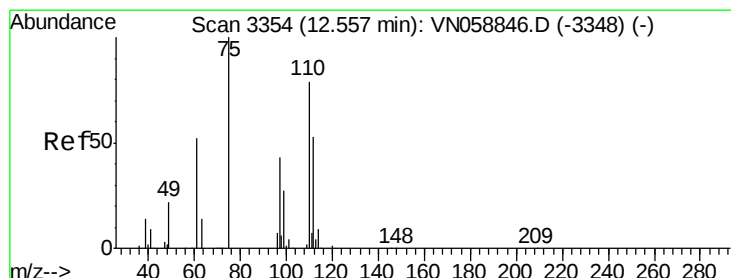
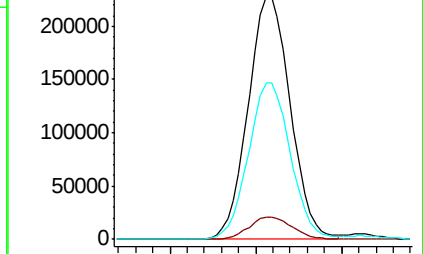
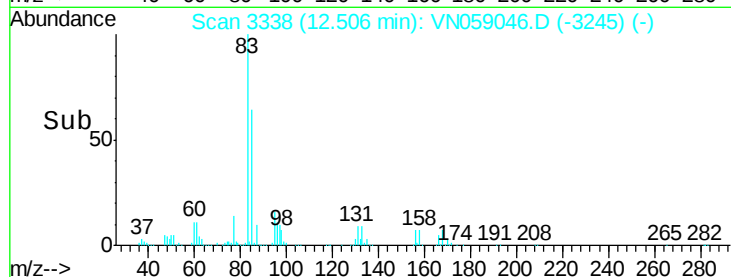
Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.51

Time-->



#76

1,2,3-Trichloropropane

Concen: 77.107 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059046.D

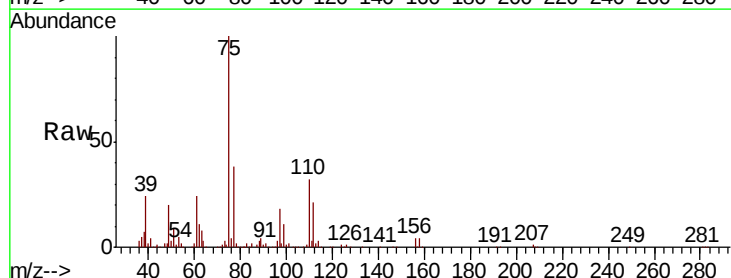
Acq: 31 Oct 2019 17:50

Tgt Ion: 75 Resp: 503365

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0

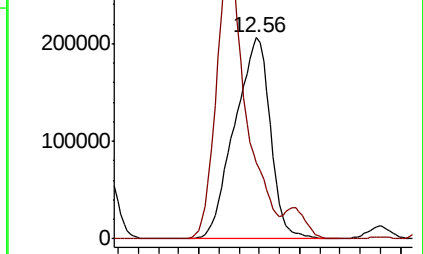
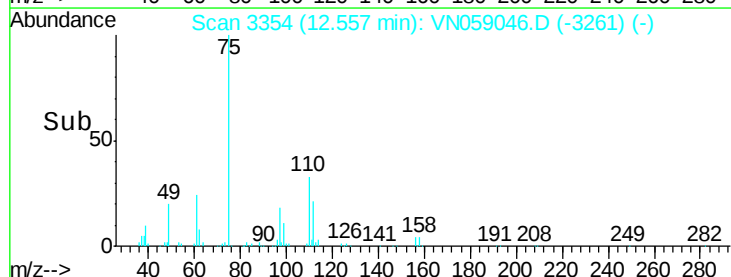


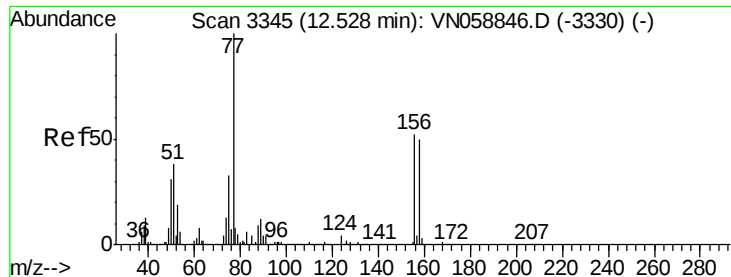
Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.56

Time-->





#77

Bromobenzene

Concen: 51.881 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

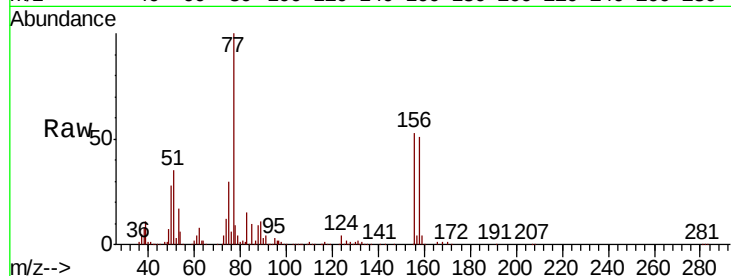
Tot Ion:156 Resp: 263238

Ion Ratio Lower Upper

156 100

77 227.8 118.0 354.0

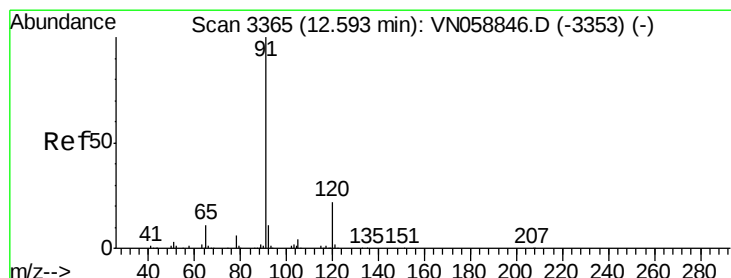
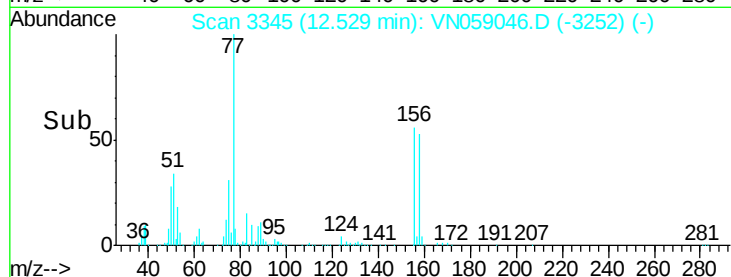
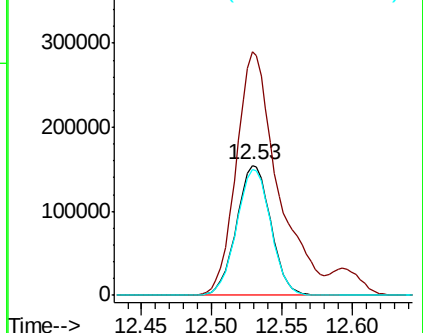
158 97.2 48.3 144.8



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: 52.461 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059046.D

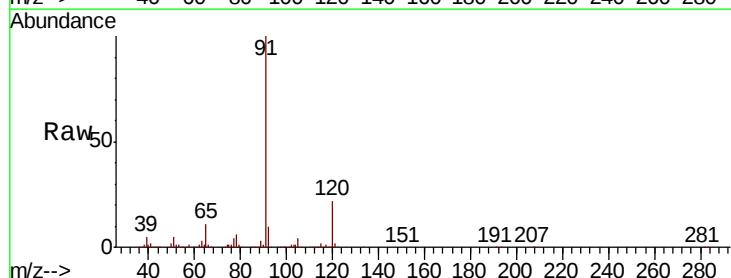
Acq: 31 Oct 2019 17:50

Tgt Ion: 91 Resp: 1276511

Ion Ratio Lower Upper

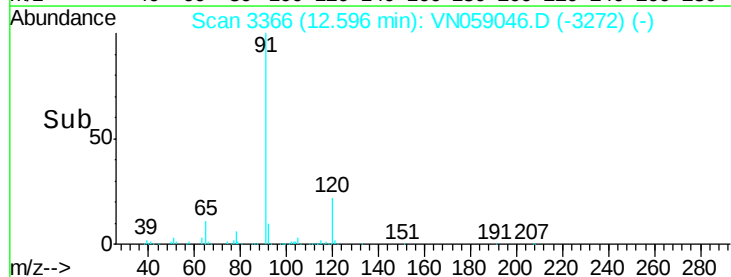
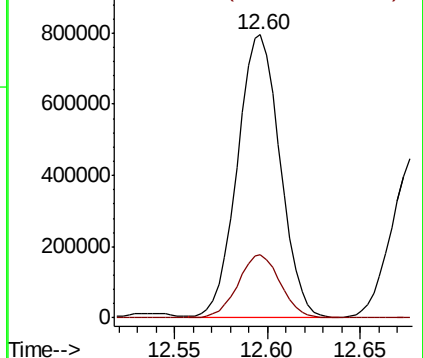
91 100

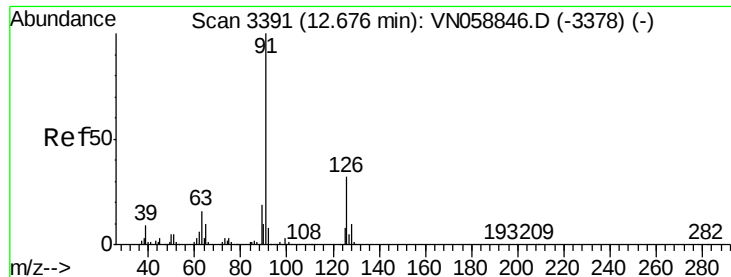
120 22.0 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 51.115 ug/l

RT: 12.68 min Scan# 3392

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

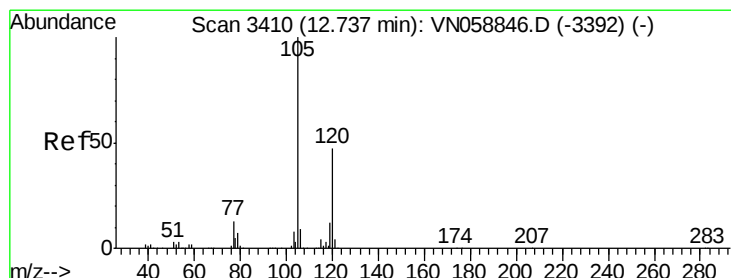
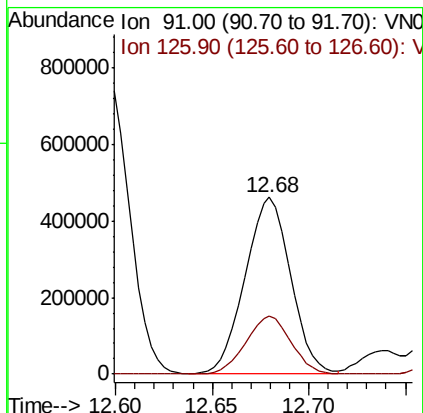
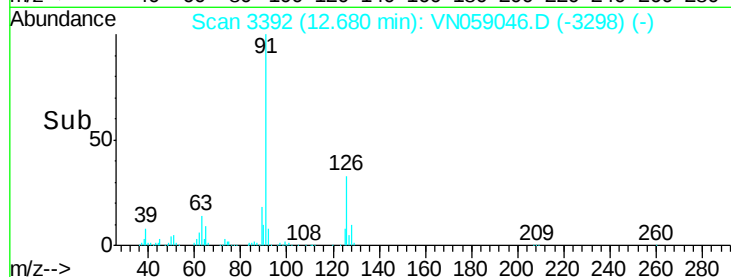
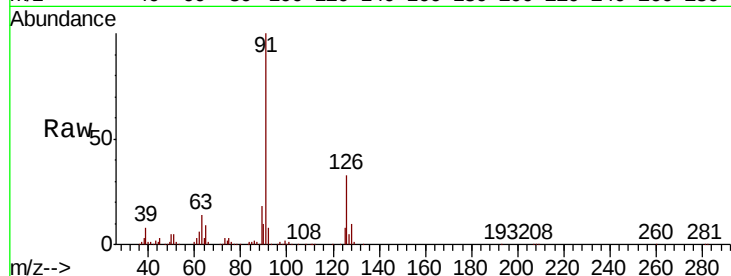
ClientSampled :

Tot Ion: 91 Resp: 761229

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.6



#80

1,3,5-Trimethylbenzene

Concen: 53.080 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN059046.D

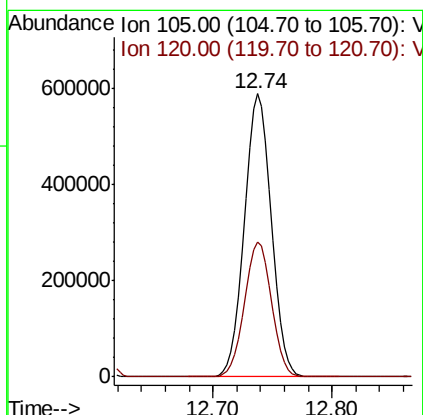
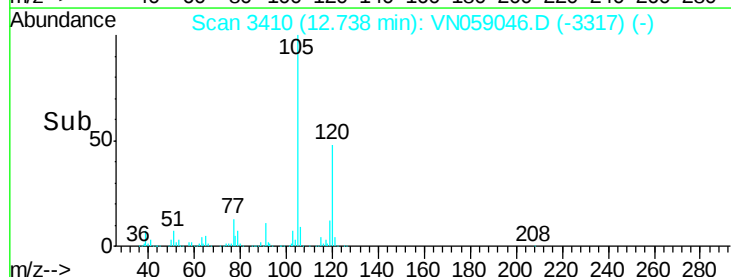
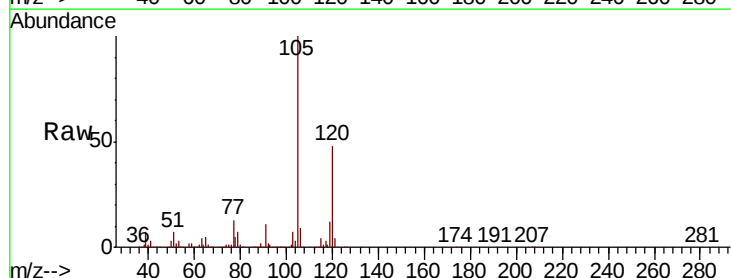
Acq: 31 Oct 2019 17:50

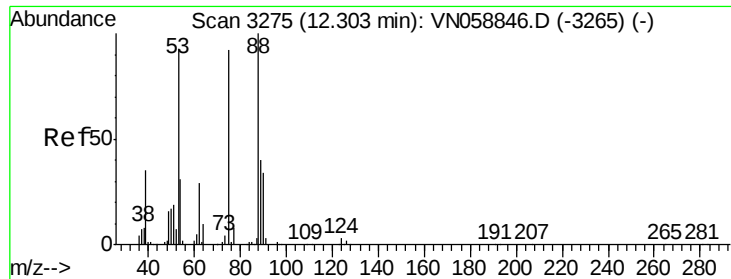
Tgt Ion: 105 Resp: 918042

Ion Ratio Lower Upper

105 100

120 48.0 23.8 71.5

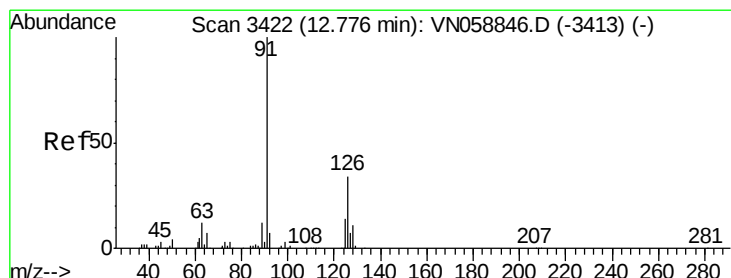
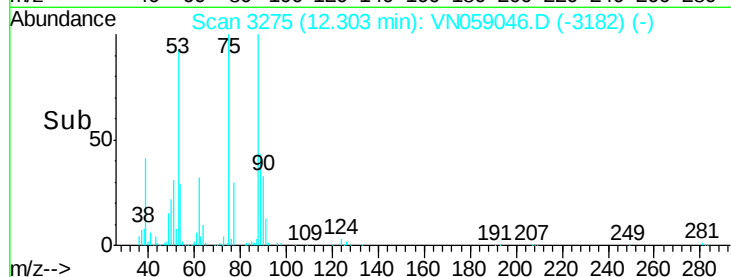
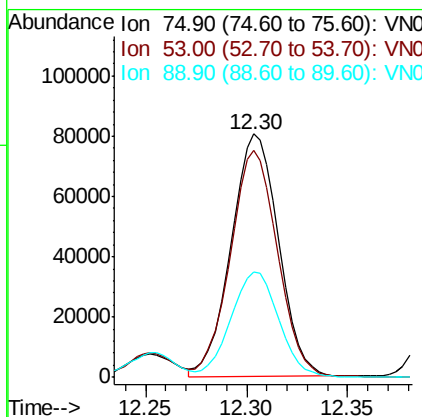
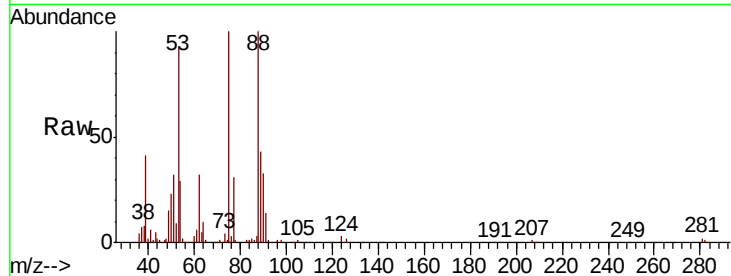




#81
trans-1,4-Dichloro-2-butene
Concen: 52.700 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

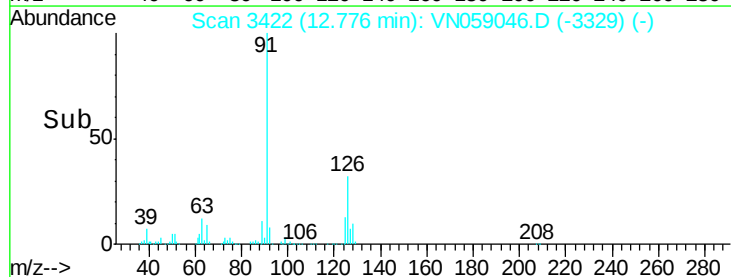
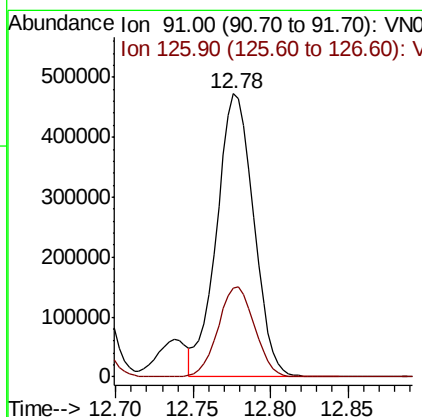
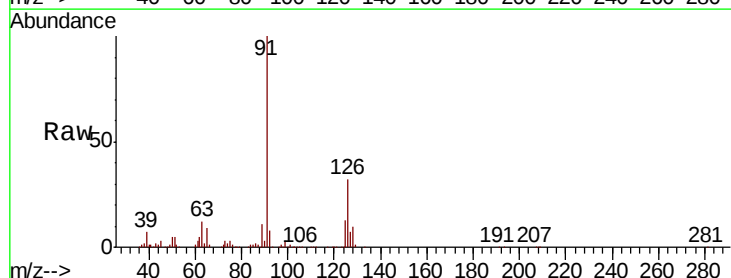
Instrument :
MSVOA_N
ClientSampled :

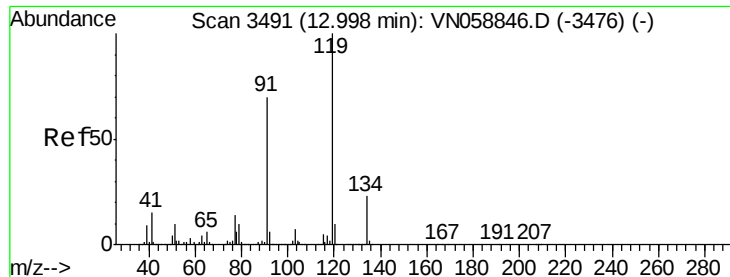
Tot Ion: 75 Resp: 132062
Ion Ratio Lower Upper
75 100
53 92.6 78.6 118.0
89 44.4 35.4 53.0



#82
4-Chlorotoluene
Concen: 51.495 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion: 91 Resp: 783702
Ion Ratio Lower Upper
91 100
126 31.5 16.0 47.9

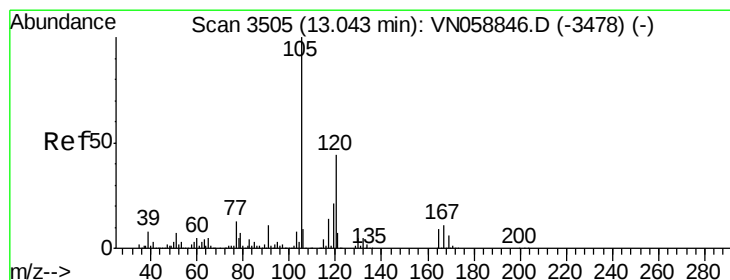
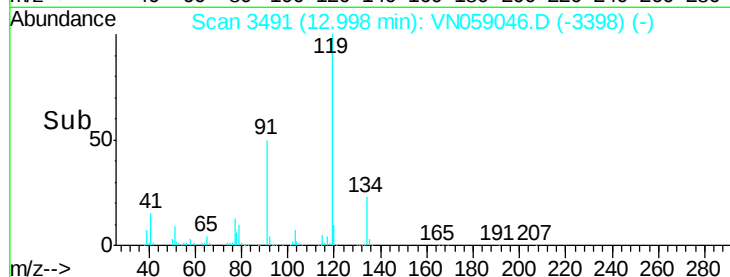
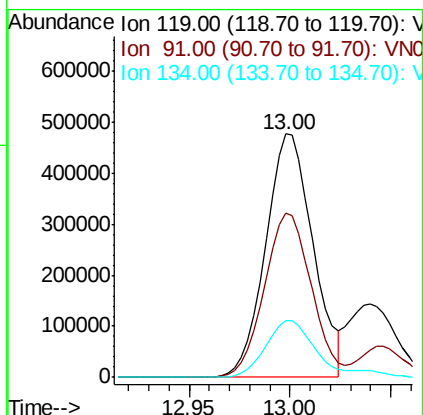
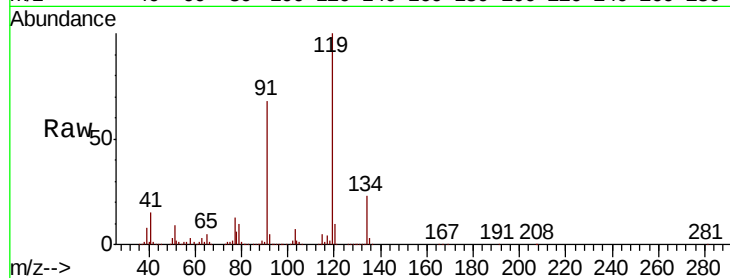




#83
tert-Butylbenzene
Concen: 52.599 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

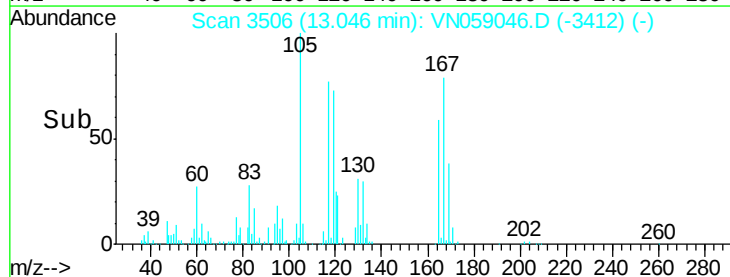
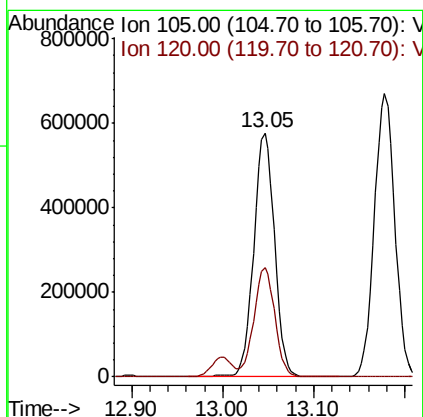
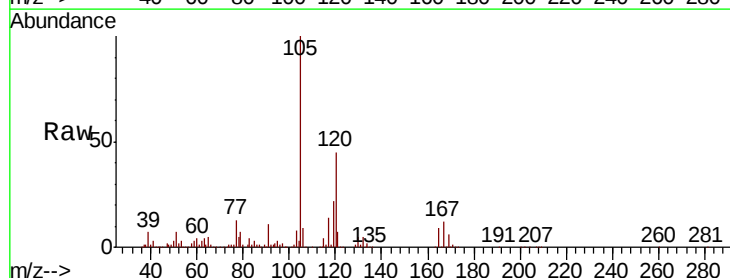
Instrument :
MSVOA_N
ClientSampleId :

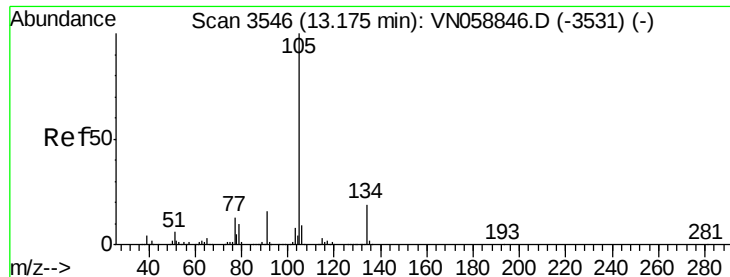
Tot Ion:119 Resp: 777931
Ion Ratio Lower Upper
119 100
91 66.8 34.1 102.3
134 23.8 11.6 34.8



#84
1,2,4-Trimethylbenzene
Concen: 53.771 ug/l
RT: 13.05 min Scan# 3506
Delta R.T. 0.00 min
Lab File: VN059046.D
Acq: 31 Oct 2019 17:50

Tgt Ion:105 Resp: 917290
Ion Ratio Lower Upper
105 100
120 44.9 21.9 65.8





#85

sec-Butylbenzene

Concen: 53.162 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

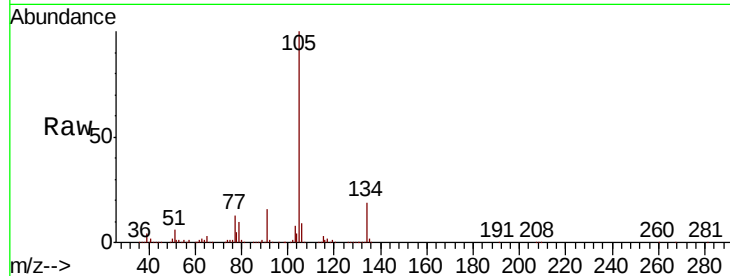
ClientSampleId :

Tot Ion:105 Resp: 1048286

Ion Ratio Lower Upper

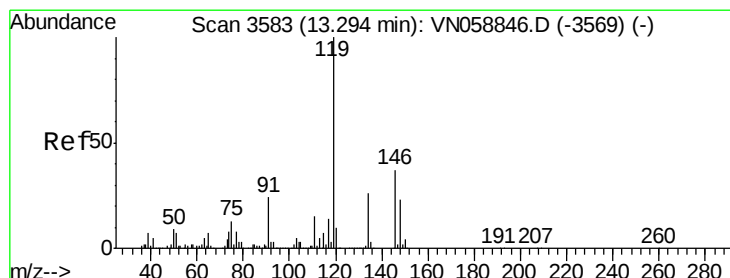
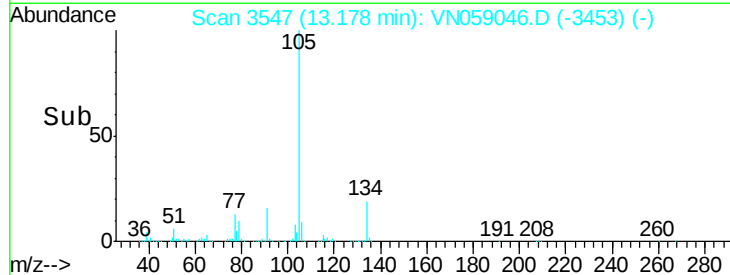
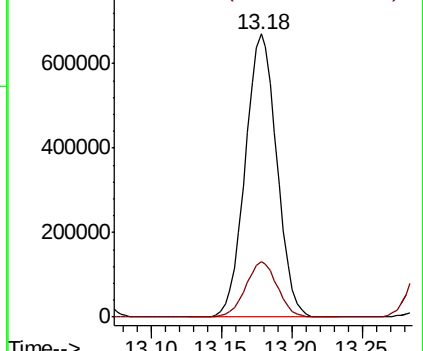
105 100

134 19.5 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 54.207 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

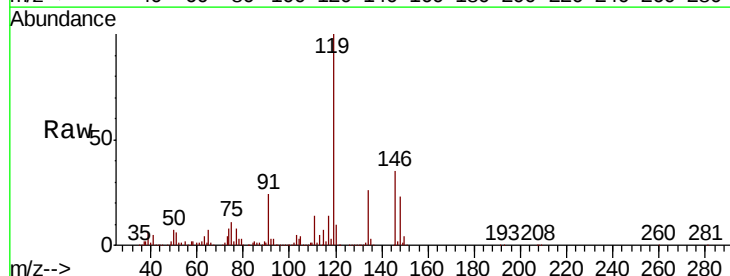
Tgt Ion:119 Resp: 943125

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

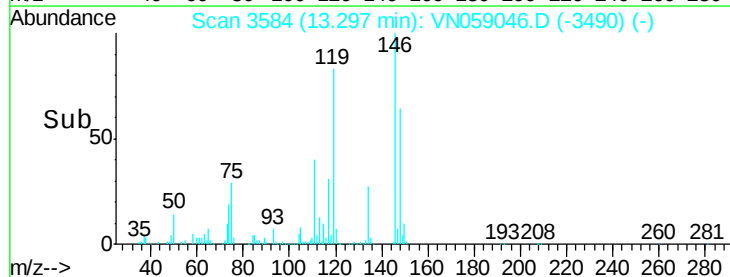
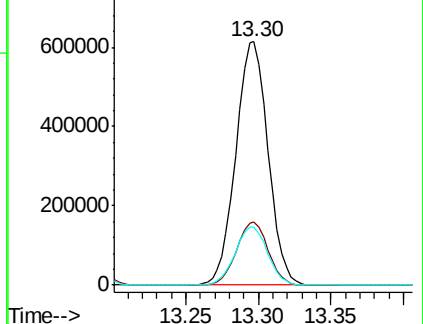
91 24.1 12.2 36.4

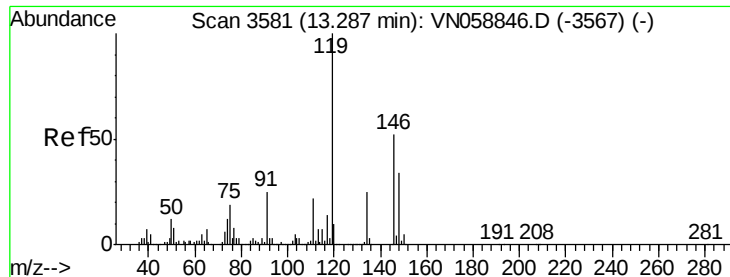


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

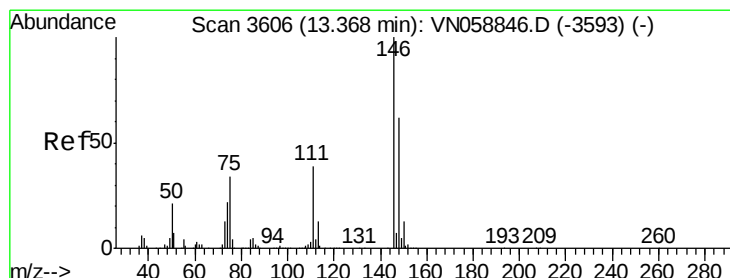
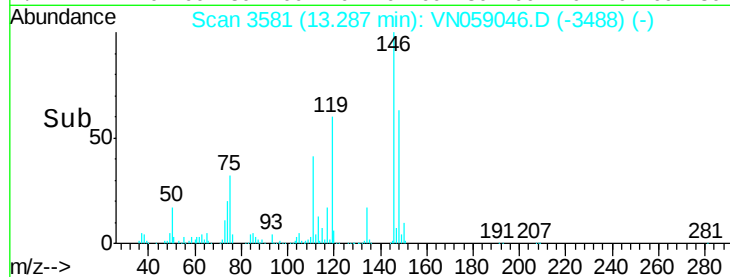
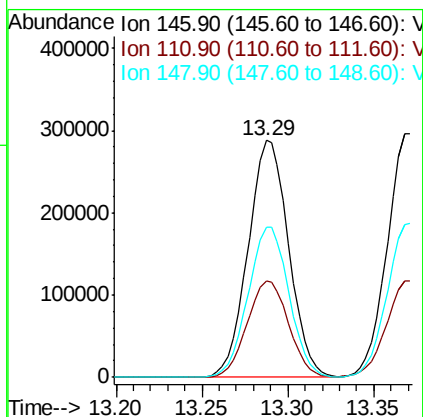
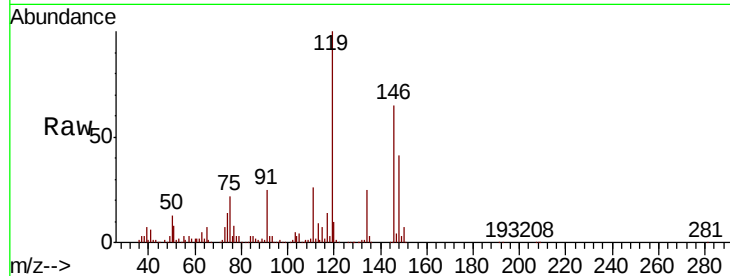




#87
 1,3-Dichlorobenzene
 Concen: 51.990 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

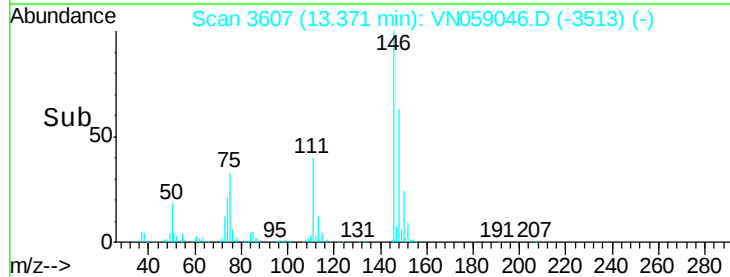
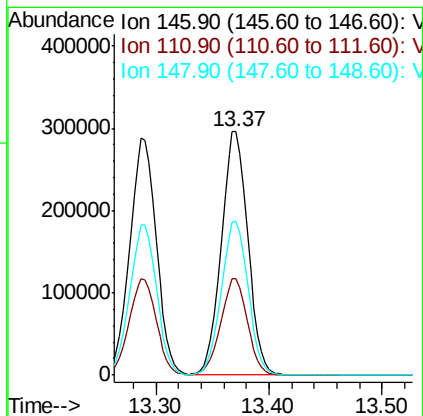
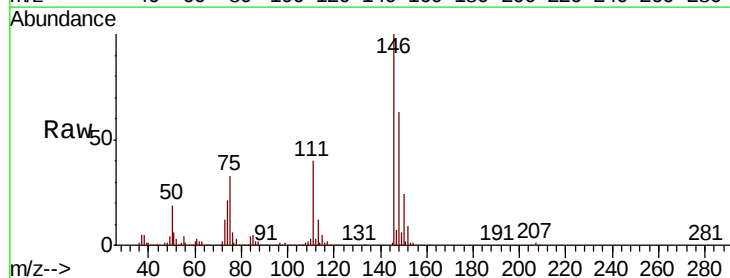
Instrument :
 MSVOA_N
 ClientSampled :

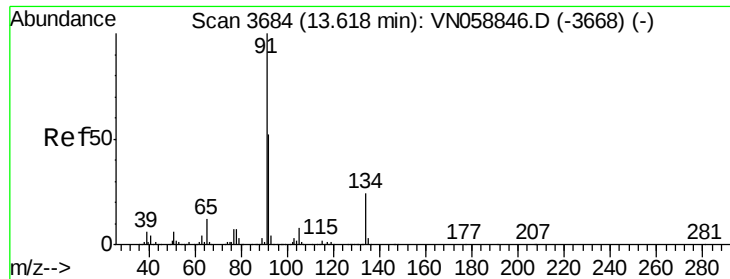
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.4	21.0	63.0
148	63.9	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 53.132 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.8	20.2	60.6
148	63.7	31.6	94.7





#89

n-Butylbenzene

Concen: 52.113 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

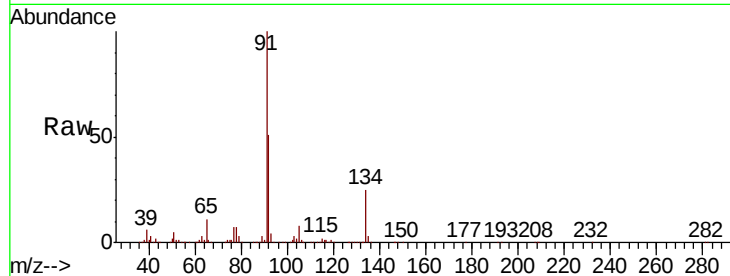
Tot Ion: 91 Resp: 832911

Ion Ratio Lower Upper

91 100

92 51.5 25.7 77.1

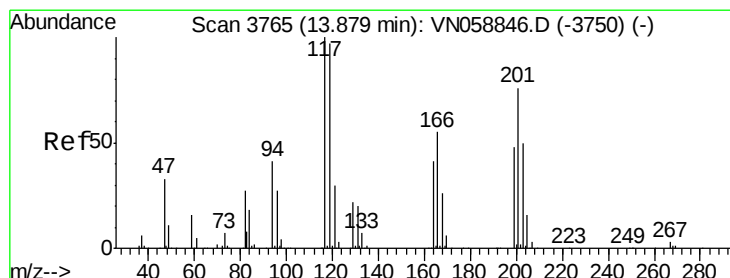
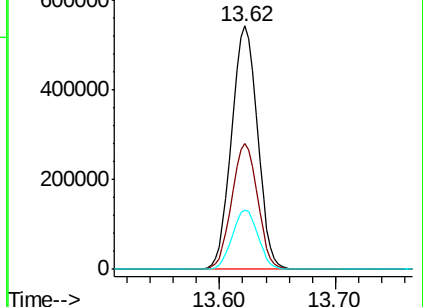
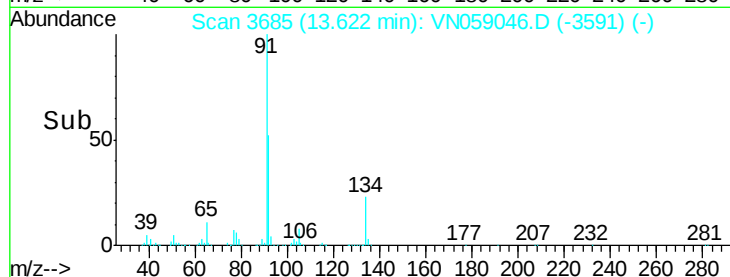
134 24.2 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN058846.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 50.755 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN059046.D

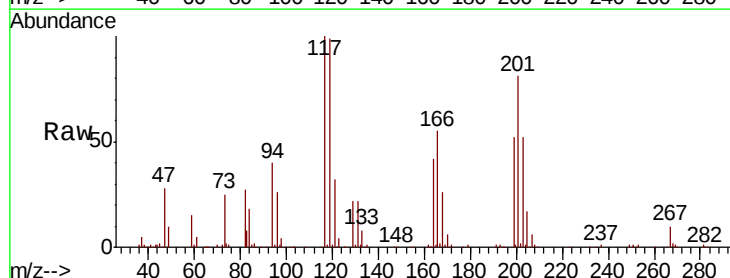
Acq: 31 Oct 2019 17:50

Tgt Ion: 117 Resp: 178940

Ion Ratio Lower Upper

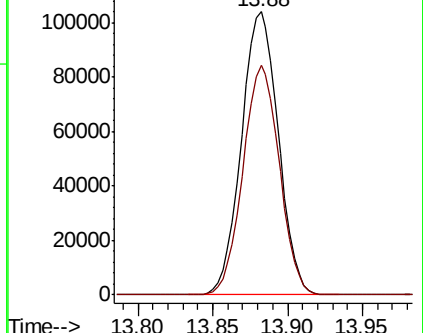
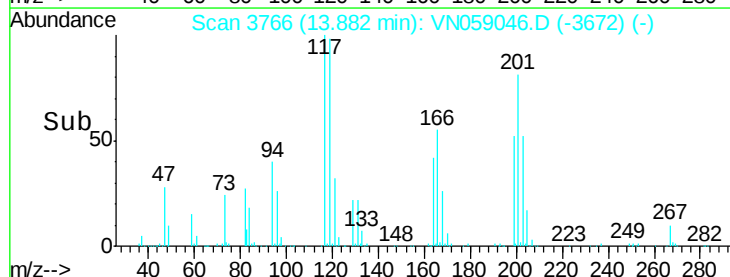
117 100

201 79.7 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058846.D (-3750) (-)





#91

1,2-Dichlorobenzene

Concen: 62.116 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

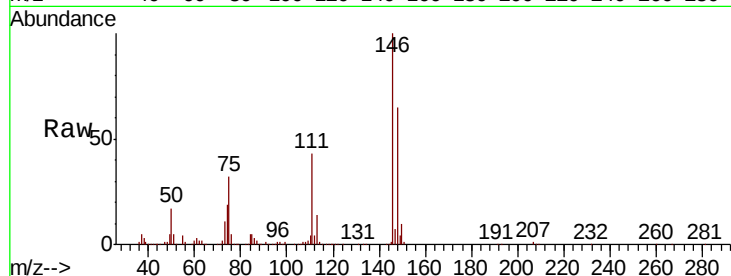
Tot Ion:146 Resp: 553894

Ion Ratio Lower Upper

146 100

111 42.8 21.6 64.8

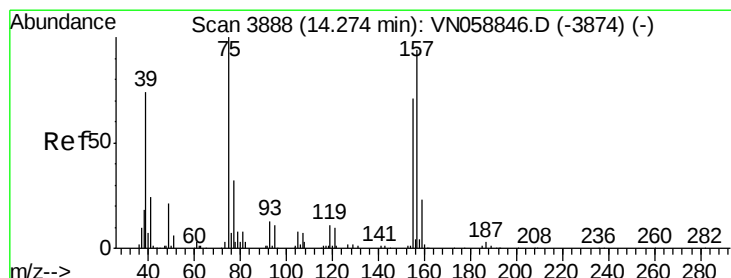
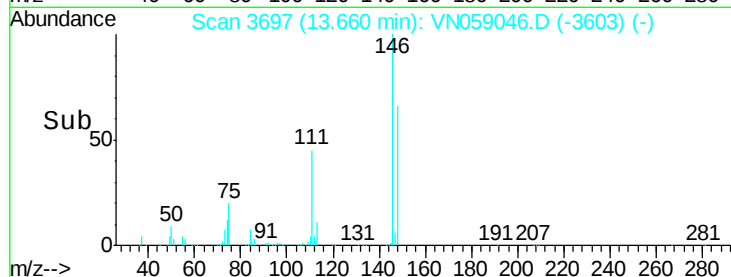
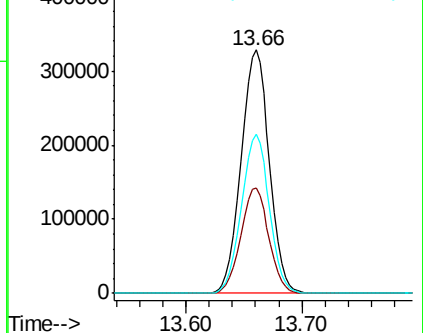
148 64.6 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.500 ug/l

RT: 14.28 min Scan# 3889

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

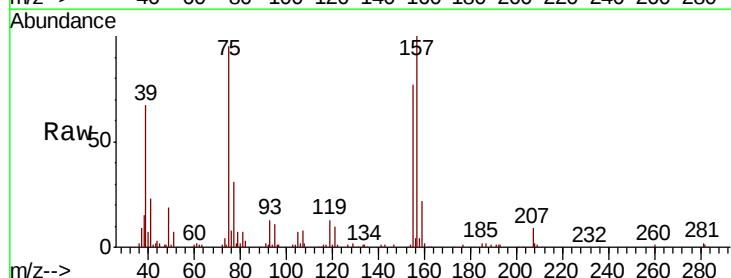
Tgt Ion: 75 Resp: 81039

Ion Ratio Lower Upper

75 100

155 79.6 35.6 106.8

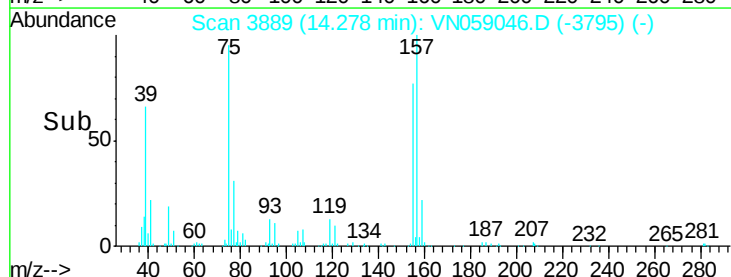
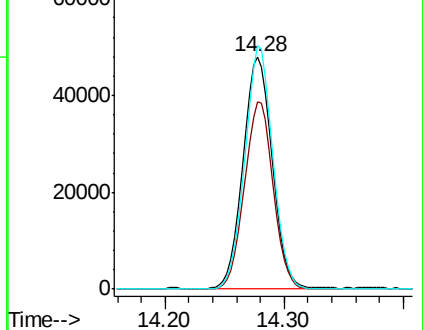
157 100.9 47.4 142.2

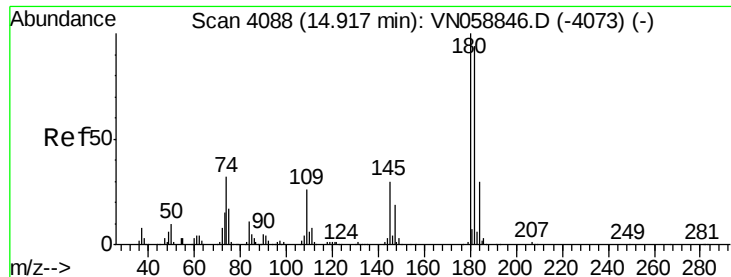


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

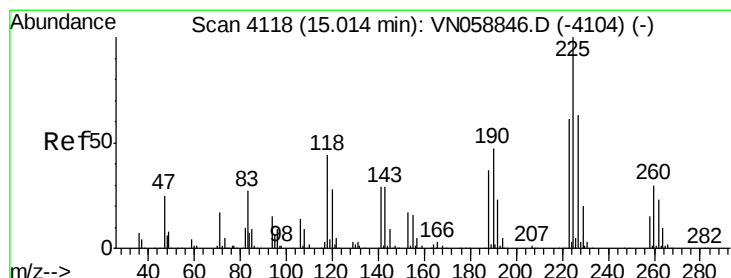
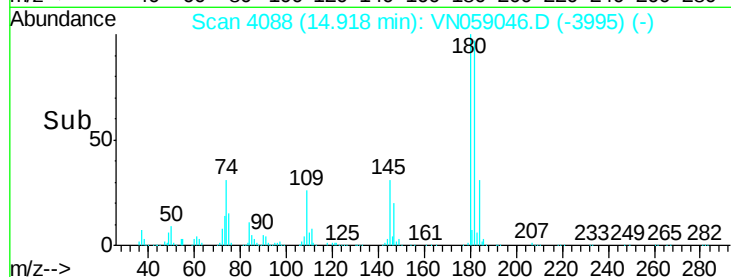
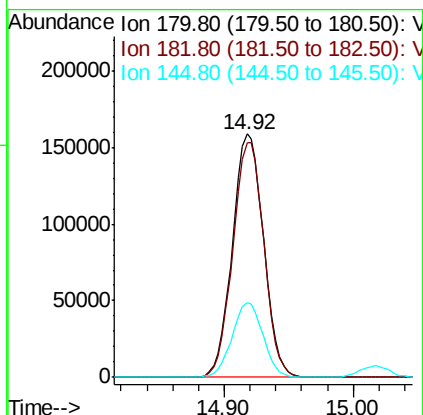
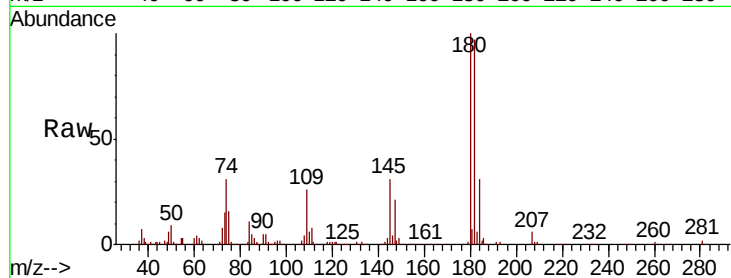




#93
 1,2,4-Trichlorobenzene
 Concen: 47.506 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

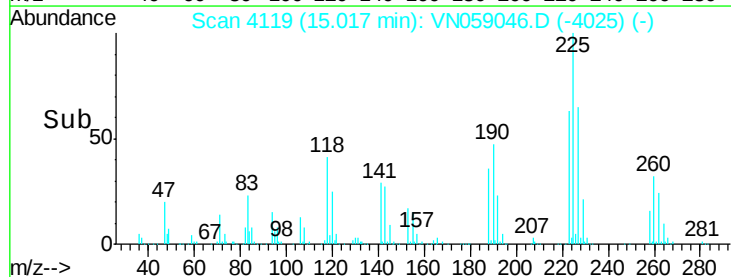
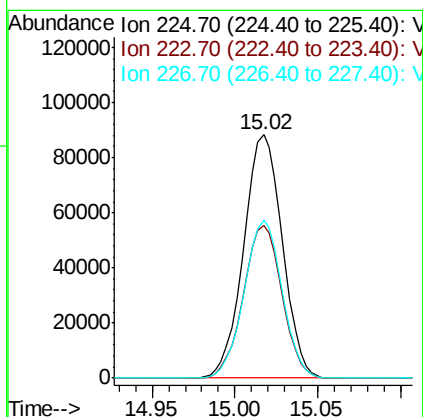
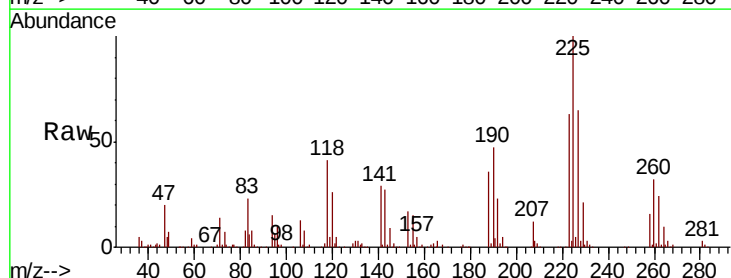
Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.2	47.3	142.0
145	30.5	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 49.488 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059046.D
 Acq: 31 Oct 2019 17:50

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	30.9	92.5
227	63.5	31.6	94.7





#95

Naphthalene

Concen: 48.006 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

Instrument :

MSVOA_N

ClientSampleId :

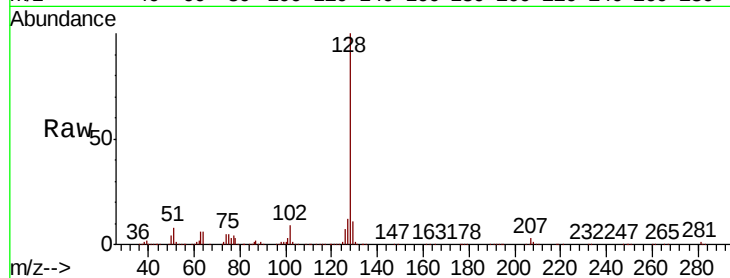
Tot Ion:128 Resp: 773030

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.2

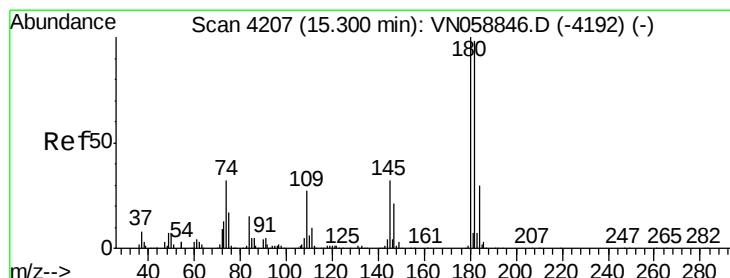
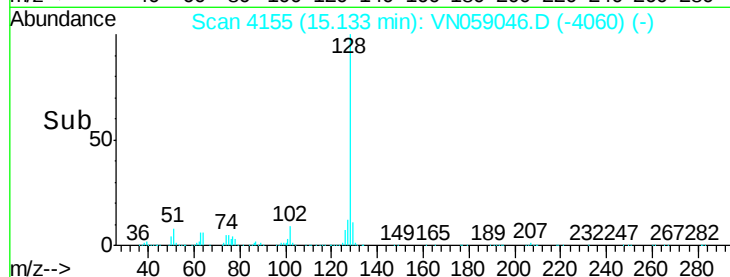
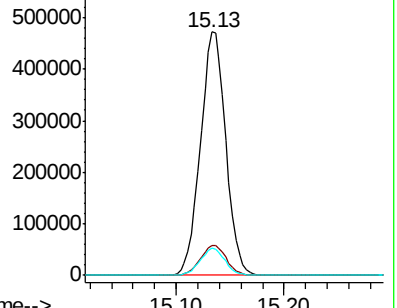
129 10.9 8.4 12.6



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: 49.857 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN059046.D

Acq: 31 Oct 2019 17:50

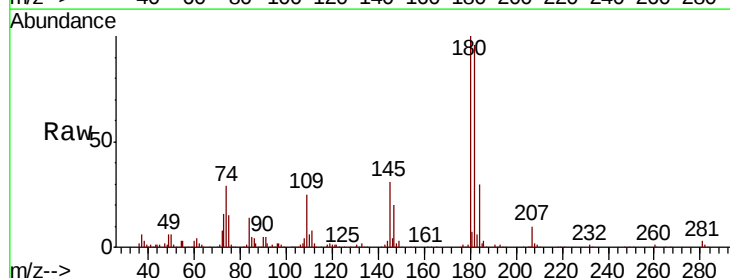
Tgt Ion:180 Resp: 272427

Ion Ratio Lower Upper

180 100

182 94.7 47.9 143.7

145 31.5 15.9 47.7



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

