

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103119\
 Data File : VN059048.D
 Acq On : 31 Oct 2019 18:34
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:15:00 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	384350	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	616888	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	568590	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	280266	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	269537	47.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.62%	
35) Dibromofluoromethane	7.57	113	208682	51.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.90%	
50) Toluene-d8	10.08	98	783184	49.74	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.48%	
62) 4-Bromofluorobenzene	12.40	95	298138	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	207782	43.360	ug/l	99
3) Chloromethane	2.04	50	271413	45.731	ug/l	100
4) Vinyl Chloride	2.17	62	272314	46.210	ug/l	99
5) Bromomethane	2.53	94	138445	37.517	ug/l	97
6) Chloroethane	2.67	64	165173	43.708	ug/l	98
7) Trichlorofluoromethane	2.99	101	339659	46.583	ug/l	99
8) Diethyl Ether	3.39	74	135410	53.740	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	200099	49.502	ug/l	97
10) Methyl Iodide	3.93	142	210984	39.685	ug/l	98
11) Tert butyl alcohol	4.76	59	277252	296.383	ug/l	99
12) 1,1-Dichloroethene	3.71	96	188399	49.723	ug/l	96
13) Acrolein	3.58	56	131936	205.267	ug/l	100
14) Allyl chloride	4.30	41	400183	52.195	ug/l	94
15) Acrylonitrile	4.96	53	702840	298.694	ug/l	98
16) Acetone	3.79	43	645240	231.641	ug/l	97
17) Carbon Disulfide	4.03	76	509824	41.771	ug/l	99
18) Methyl Acetate	4.30	43	378468	59.762	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	741041	55.855	ug/l	99
20) Methylene Chloride	4.53	84	233678	49.130	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	208661	49.867	ug/l	94
22) Diisopropyl ether	5.93	45	838707	55.926	ug/l	94
23) Vinyl Acetate	5.87	43	3492667	289.879	ug/l	99
24) 1,1-Dichloroethane	5.82	63	443572	51.010	ug/l	99
25) 2-Butanone	6.81	43	993054	274.636	ug/l	98
26) 2,2-Dichloropropane	6.80	77	357537	47.535	ug/l	98
27) cis-1,2-Dichloroethene	6.81	96	249787	52.256	ug/l	97
28) Bromochloromethane	7.17	49	148215	51.179	ug/l	99
29) Tetrahydrofuran	7.19	42	649916	293.818	ug/l	99
30) Chloroform	7.35	83	432498	49.583	ug/l	98
31) Cyclohexane	7.63	56	374784	46.264	ug/l	99
32) 1,1,1-Trichloroethane	7.55	97	369395	50.242	ug/l	98
36) 1,1-Dichloropropene	7.77	75	315668	49.982	ug/l	99
37) Ethyl Acetate	6.91	43	389239	56.562	ug/l	98
38) Carbon Tetrachloride	7.75	117	317969	48.871	ug/l	98

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 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)

39) Methylcyclohexane	9.07	83	352656	49.729	ug/l	99
40) Benzene	8.02	78	966833	52.132	ug/l	99
41) Methacrylonitrile	7.15	41	158509	51.717	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	347662	48.665	ug/l	98
43) Isopropyl Acetate	8.15	43	621793	56.339	ug/l	99
44) Trichloroethene	8.82	130	230135	50.941	ug/l	96
45) 1,2-Dichloropropane	9.11	63	268902	52.876	ug/l	100
46) Dibromomethane	9.20	93	166999	51.944	ug/l	97
47) Bromodichloromethane	9.39	83	347878	52.500	ug/l	100
48) Methyl methacrylate	9.19	41	281492	56.216	ug/l	94
49) 1,4-Dioxane	9.19	88	102309	1244.645	ug/l	96
51) 4-Methyl-2-Pentanone	9.98	43	2003598	310.807	ug/l	97
52) Toluene	10.15	92	587240	53.395	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	392851	53.556	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	422014	53.850	ug/l	94
55) 1,1,2-Trichloroethane	10.56	97	242215	53.462	ug/l	98
56) Ethyl methacrylate	10.43	69	400896	52.565	ug/l	94
57) 1,3-Dichloropropane	10.71	76	427803	53.800	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	832348	258.796	ug/l	100
59) 2-Hexanone	10.75	43	1512221	303.575	ug/l	97
60) Dibromochloromethane	10.90	129	265476	54.439	ug/l	99
61) 1,2-Dibromoethane	11.00	107	251353	54.211	ug/l	100
64) Tetrachloroethene	10.63	164	197430	49.580	ug/l	98
65) Chlorobenzene	11.43	112	626087	54.086	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	241530	55.293	ug/l	99
67) Ethyl Benzene	11.51	91	1142435	56.260	ug/l	98
68) m/p-Xylenes	11.62	106	841978	111.808	ug/l	100
69) o-Xylene	11.95	106	402439	56.033	ug/l	99
70) Styrene	11.97	104	689168	51.916	ug/l	98
71) Bromoform	12.13	173	196142	57.905	ug/l #	99
73) Isopropylbenzene	12.25	105	1100374	53.723	ug/l	99
74) N-amyl acetate	12.07	43	539363	58.085	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	396653	55.076	ug/l	99
76) 1,2,3-Trichloropropane	12.56	75	520845	80.186	ug/l #	100
77) Bromobenzene	12.53	156	268826	53.249	ug/l	97
78) n-propylbenzene	12.60	91	1317713	54.427	ug/l	100
79) 2-Chlorotoluene	12.68	91	787248	53.128	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	946337	54.991	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	138655	55.609	ug/l	95
82) 4-Chlorotoluene	12.78	91	803362	53.052	ug/l	100
83) tert-Butylbenzene	13.00	119	797804	54.214	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	943287	55.573	ug/l	99
85) sec-Butylbenzene	13.18	105	1083991	55.250	ug/l	98
86) p-Isopropyltoluene	13.30	119	978515	56.524	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	486180	53.858	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	483699	53.519	ug/l	99
89) n-Butylbenzene	13.62	91	869354	54.667	ug/l	99
90) Hexachloroethane	13.88	117	184295	52.537	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	492062	55.459	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	85212	52.311	ug/l	92

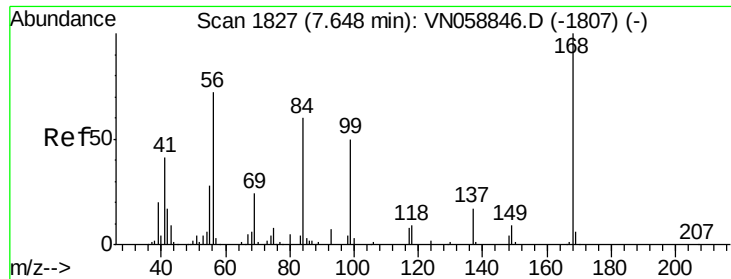
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	288201	51.518	ug/l	99
94) Hexachlorobutadiene	15.02	225	151935	52.834	ug/l	98
95) Naphthalene	15.13	128	867836	53.879	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	292584	53.625	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

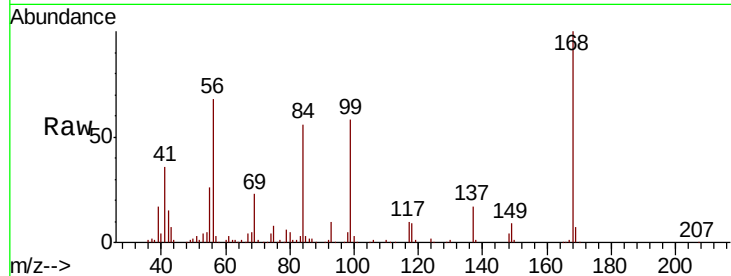
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 384350

Ion Ratio Lower Upper

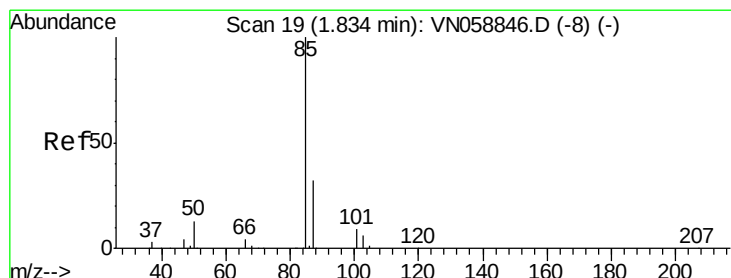
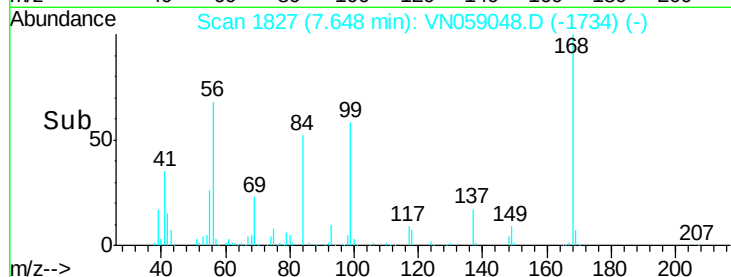
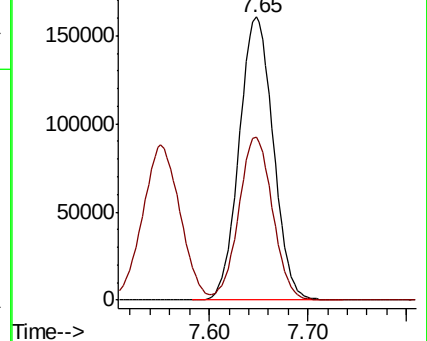
168 100

99 57.6 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 43.360 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059048.D

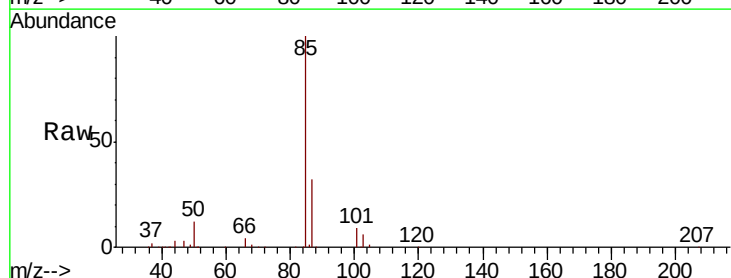
Acq: 31 Oct 2019 18:34

Tgt Ion: 85 Resp: 207782

Ion Ratio Lower Upper

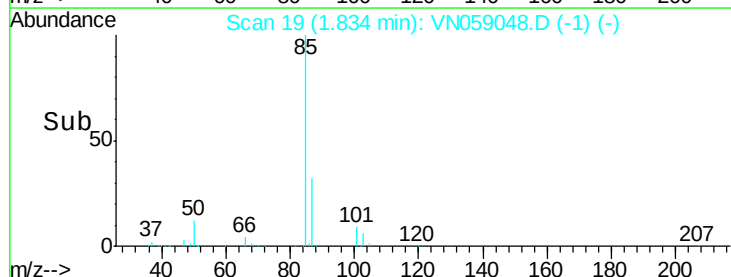
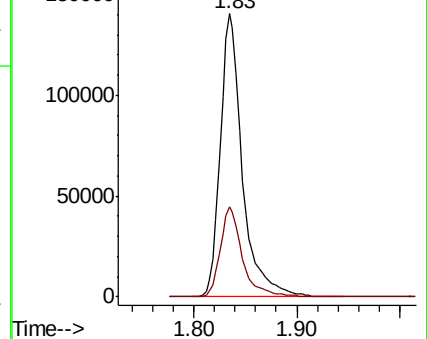
85 100

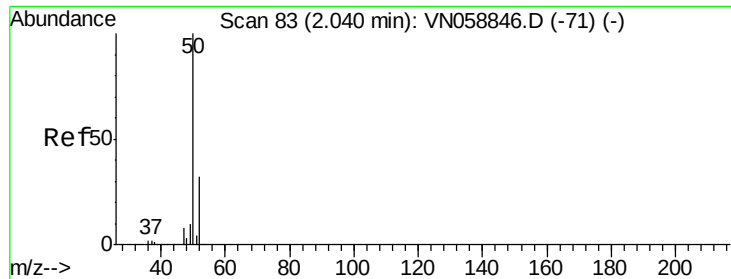
87 31.7 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 45.731 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

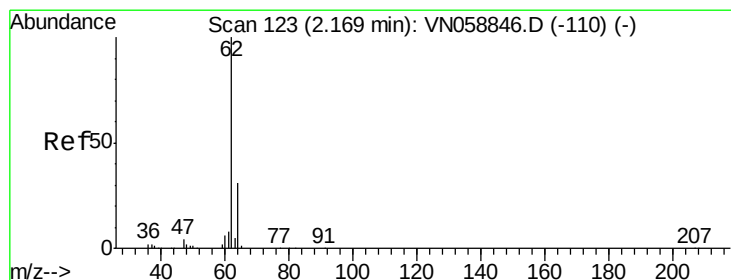
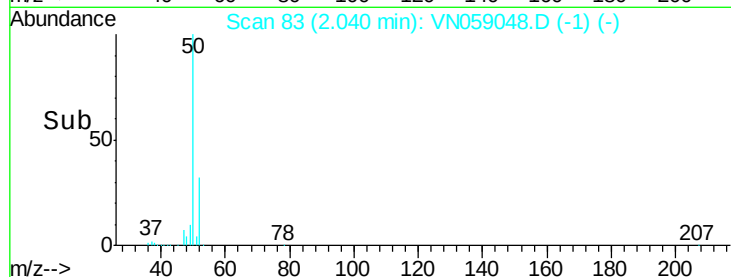
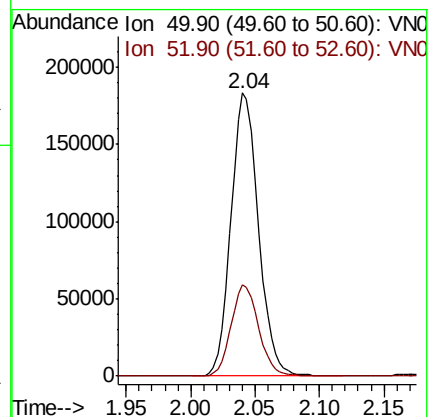
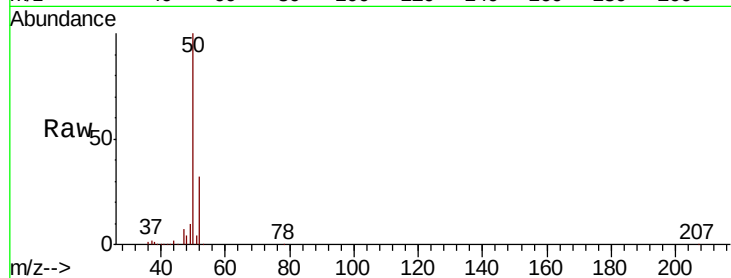
ClientSampled :

Tot Ion: 50 Resp: 271413

Ion Ratio Lower Upper

50 100

52 32.1 25.7 38.5



#4

Vinyl Chloride

Concen: 46.210 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059048.D

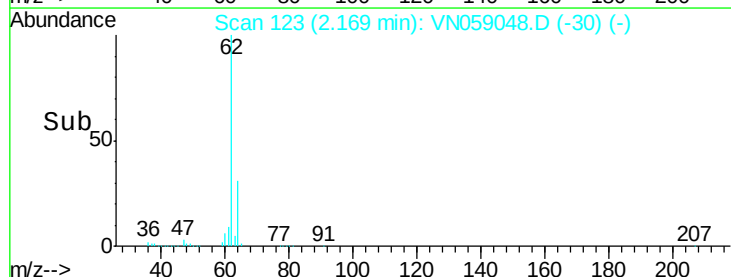
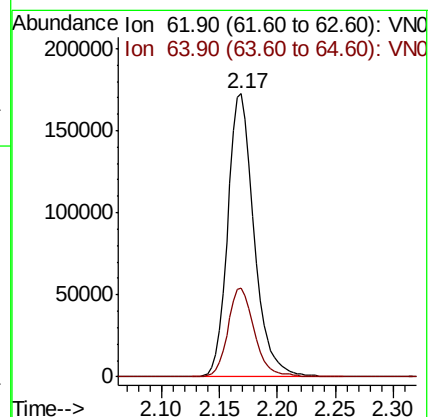
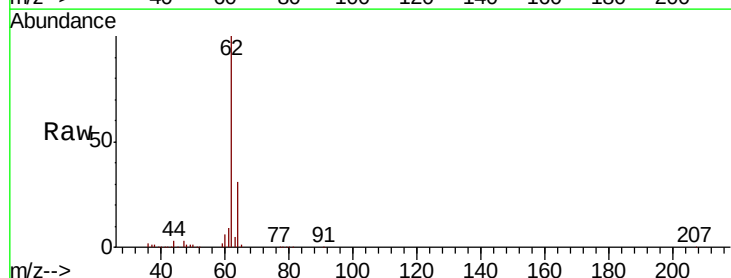
Acq: 31 Oct 2019 18:34

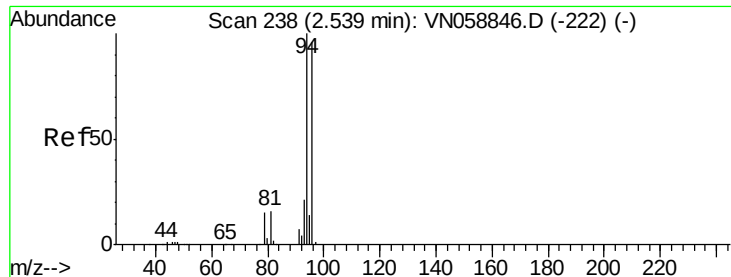
Tgt Ion: 62 Resp: 272314

Ion Ratio Lower Upper

62 100

64 31.5 24.6 36.8





#5

Bromomethane

Concen: 37.517 ug/l

RT: 2.53 min Scan# 235

Delta R.T. -0.01 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

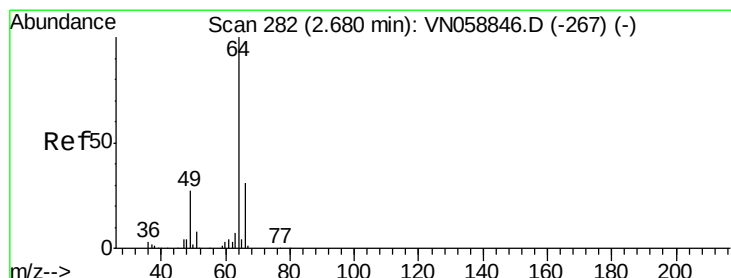
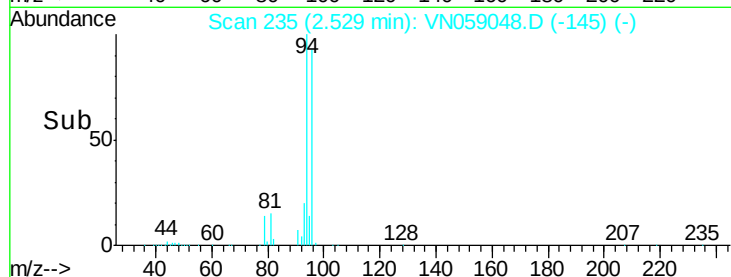
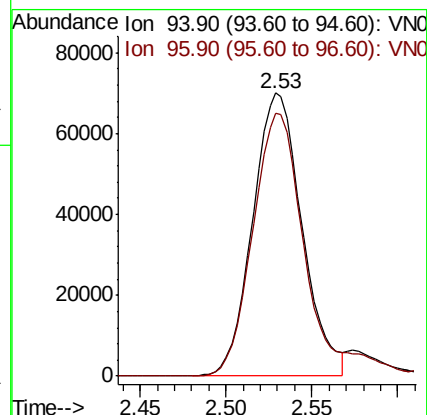
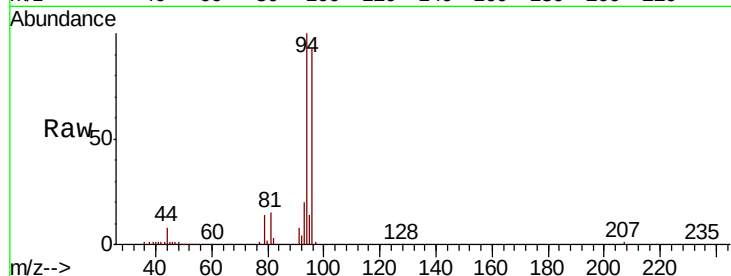
ClientSampled :

Tot Ion: 94 Resp: 138445

Ion Ratio Lower Upper

94 100

96 93.2 77.0 115.6



#6

Chloroethane

Concen: 43.708 ug/l

RT: 2.67 min Scan# 280

Delta R.T. -0.01 min

Lab File: VN059048.D

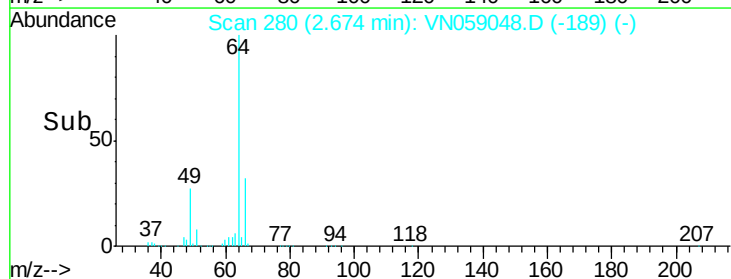
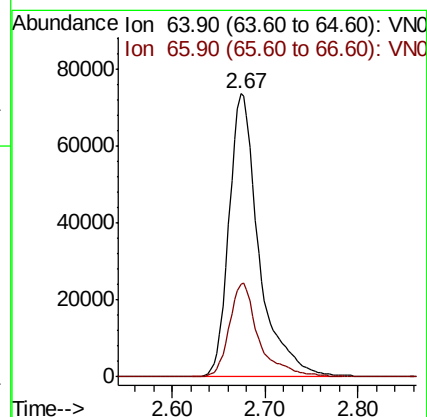
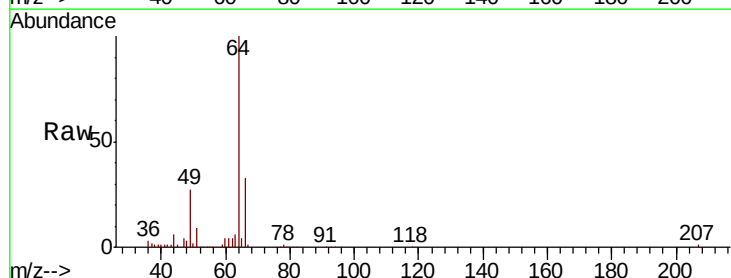
Acq: 31 Oct 2019 18:34

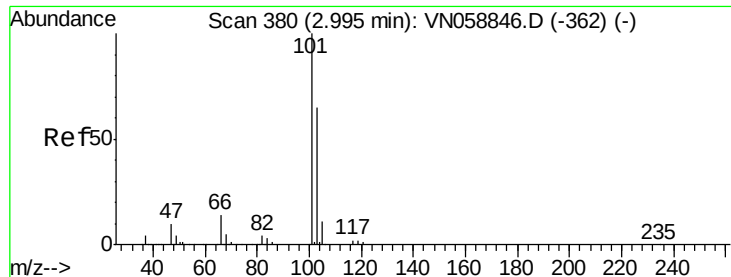
Tgt Ion: 64 Resp: 165173

Ion Ratio Lower Upper

64 100

66 32.5 25.0 37.4



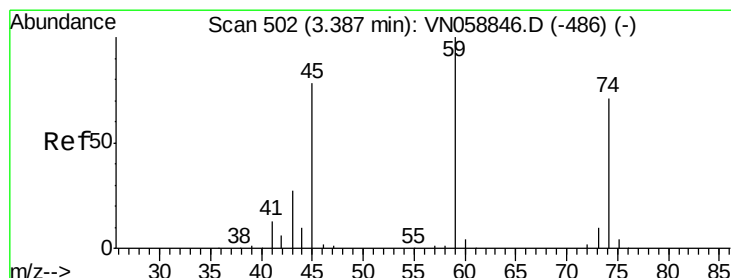
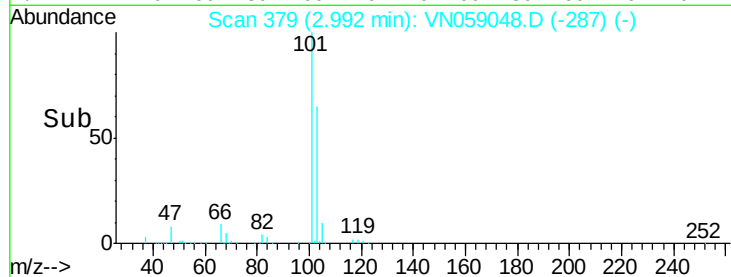
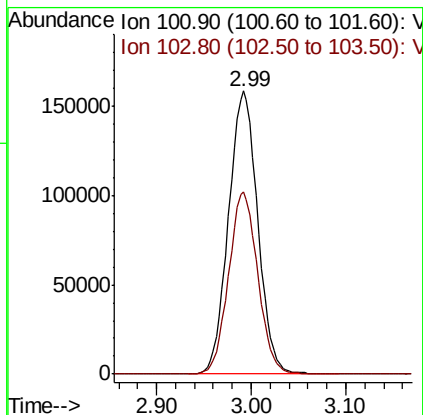
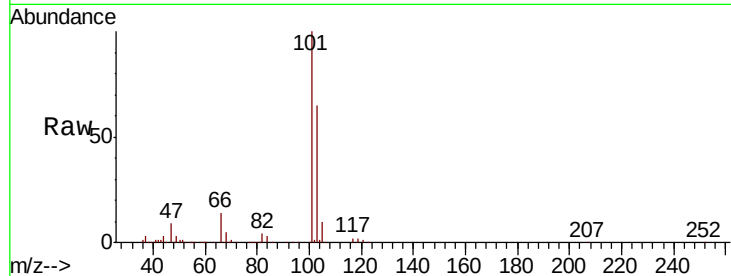


#7

Trichlorofluoromethane
 Concen: 46.583 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. -0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Instrument :
 MSVOA_N
 ClientSampled :

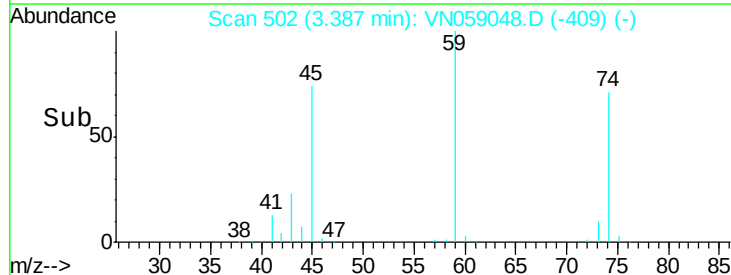
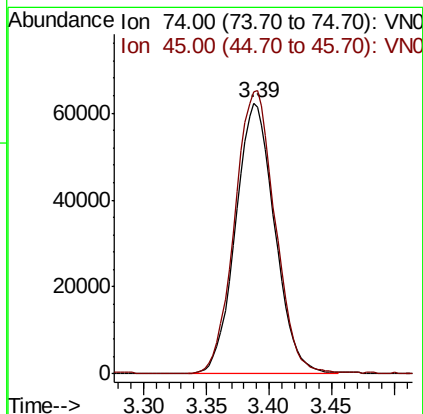
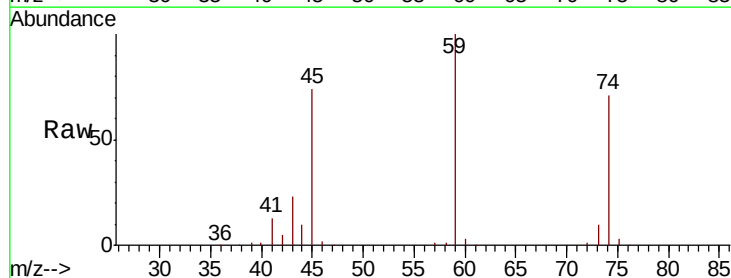
Tot Ion:101 Resp: 339659
 Ion Ratio Lower Upper
 101 100
 103 64.6 52.2 78.2

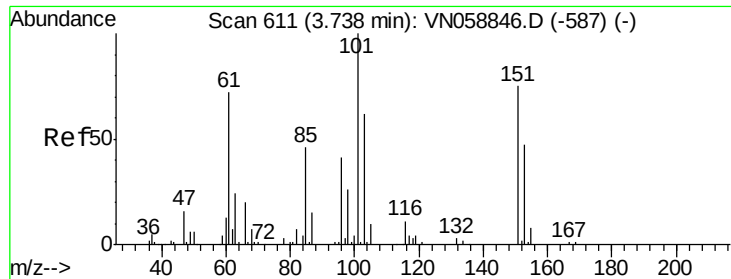


#8

Diethyl Ether
 Concen: 53.740 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion: 74 Resp: 135410
 Ion Ratio Lower Upper
 74 100
 45 106.9 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 49.502 ug/l

RT: 3.73 min Scan# 610

Delta R.T. -0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

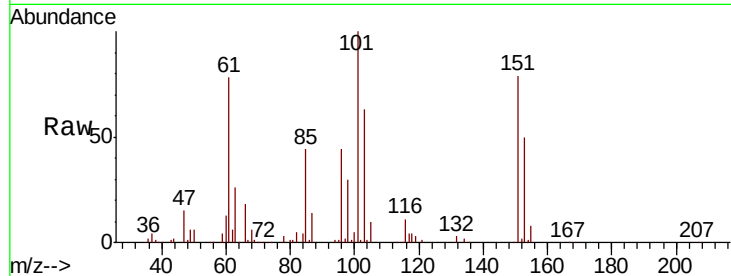
Tot Ion:101 Resp: 200099

Ion Ratio Lower Upper

101 100

85 44.1 37.2 55.8

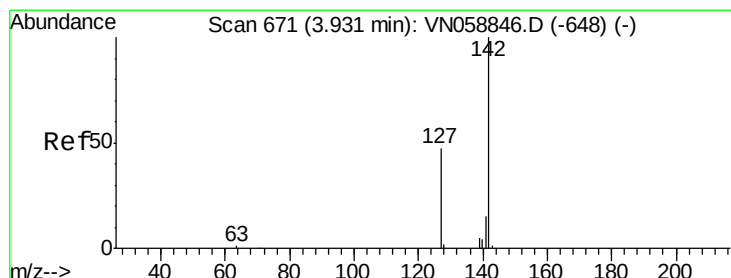
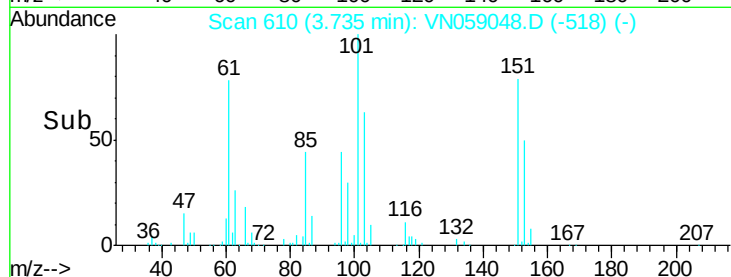
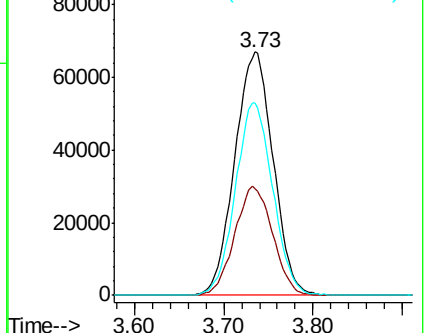
151 76.8 59.9 89.9



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: 39.685 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

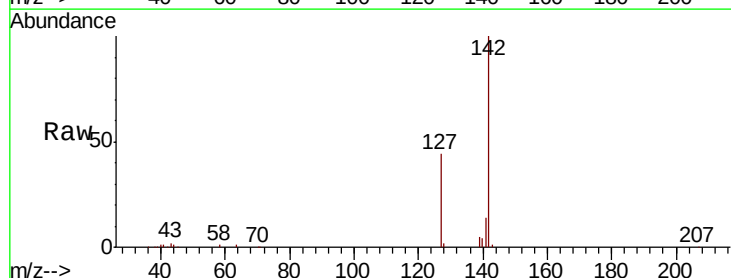
Tgt Ion:142 Resp: 210984

Ion Ratio Lower Upper

142 100

127 43.9 36.6 54.8

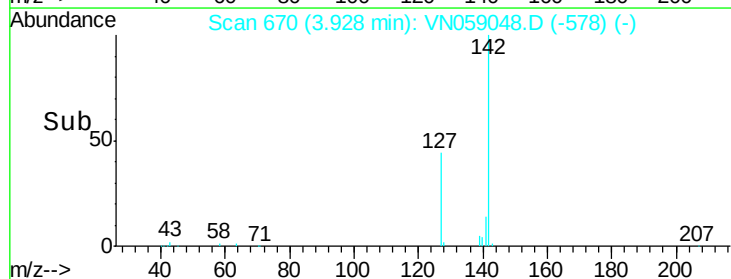
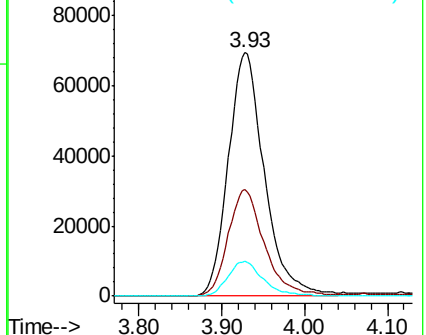
141 14.1 11.4 17.2

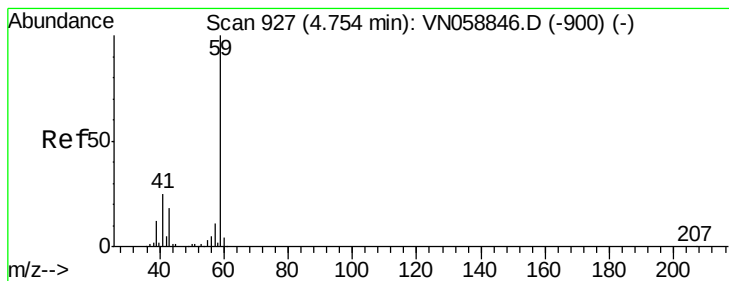


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



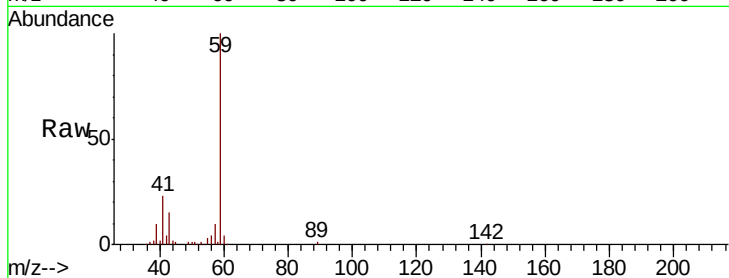


#11

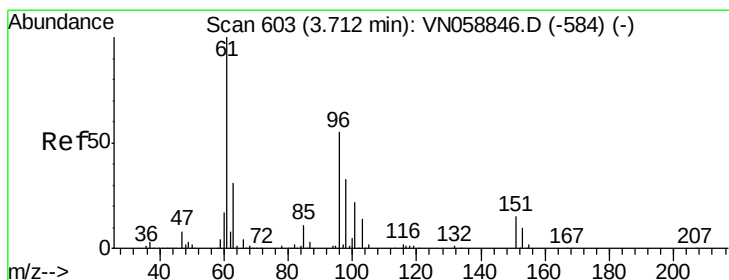
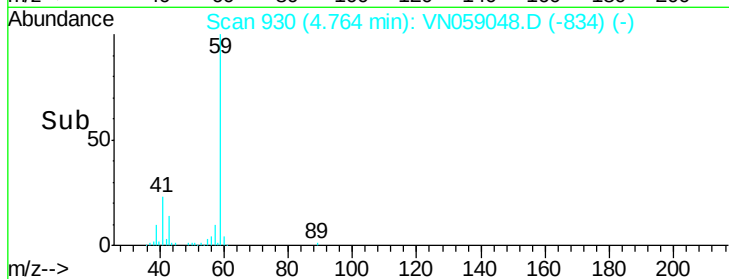
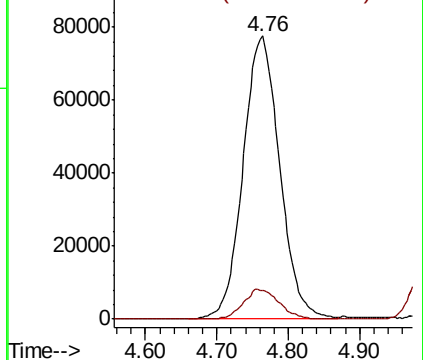
Tert butyl alcohol
Concen: 296.383 ug/l
RT: 4.76 min Scan# 930
Delta R.T. 0.01 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 59 Resp: 277252
Ion Ratio Lower Upper
59 100
57 10.3 8.6 12.8



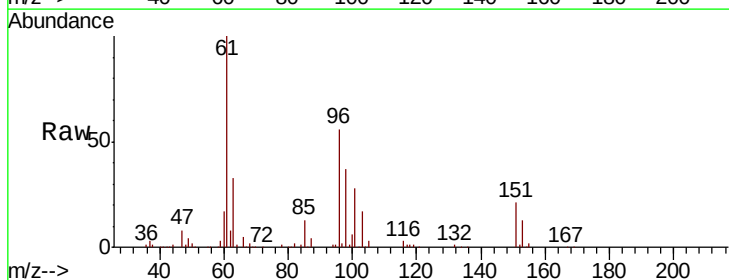
Abundance Ion 59.00 (58.70 to 59.70): VN0
Ion 57.00 (56.70 to 57.70): VN0



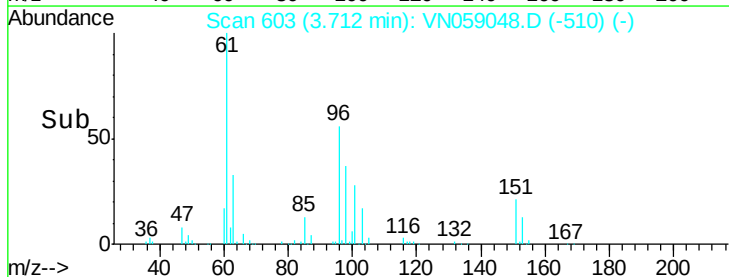
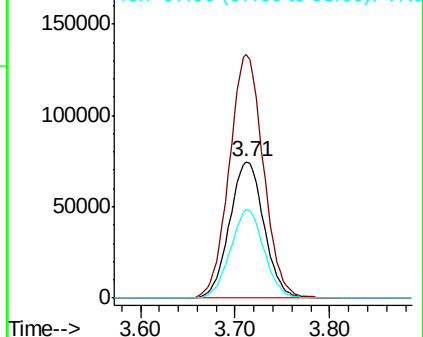
#12

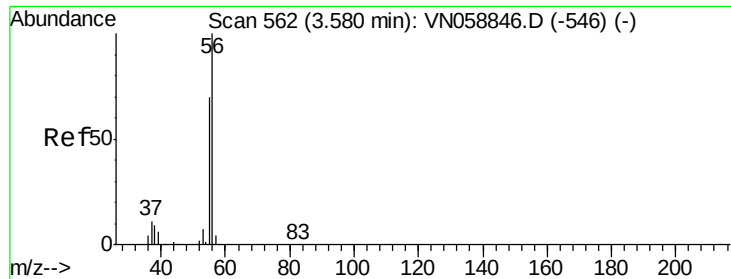
1,1-Dichloroethene
Concen: 49.723 ug/l
RT: 3.71 min Scan# 603
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 96 Resp: 188399
Ion Ratio Lower Upper
96 100
61 178.1 146.2 219.2
98 65.2 48.7 73.1



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





#13

Acrolein

Concen: 205.267 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

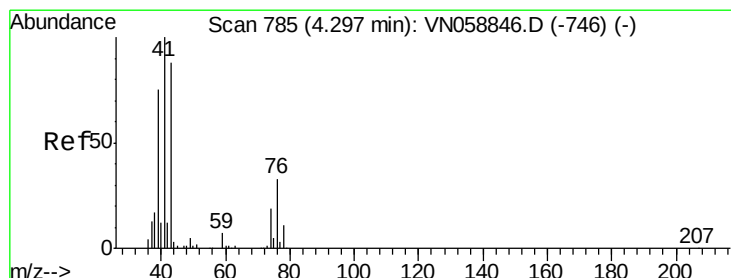
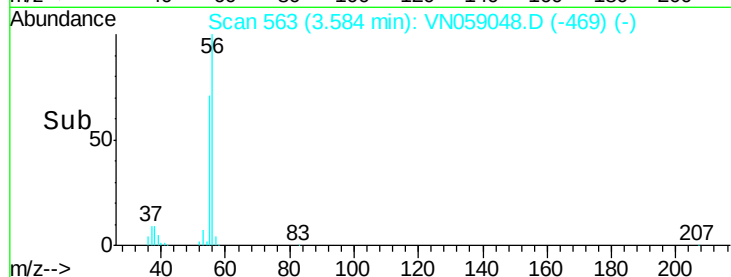
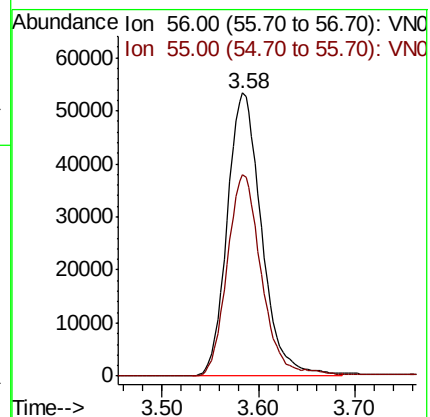
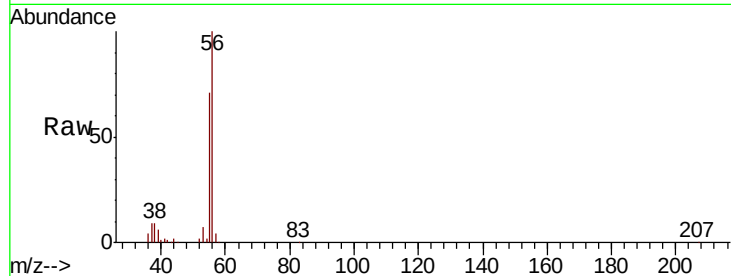
ClientSampleId :

Tot Ion: 56 Resp: 131936

Ion Ratio Lower Upper

56 100

55 71.1 56.6 85.0



#14

Allyl chloride

Concen: 52.195 ug/l

RT: 4.30 min Scan# 785

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

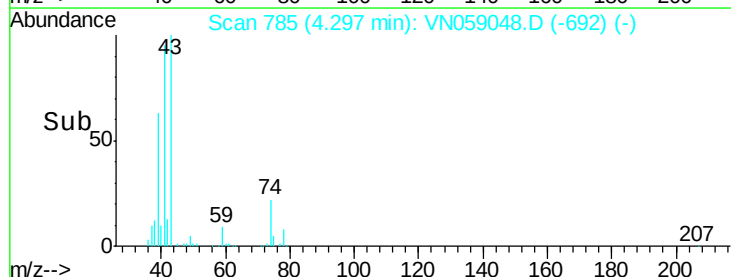
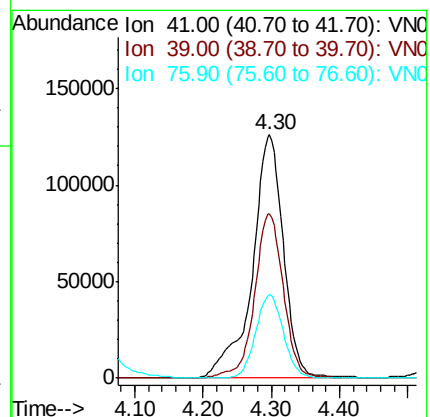
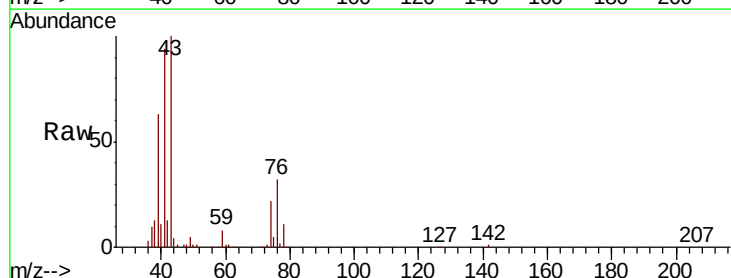
Tgt Ion: 41 Resp: 400183

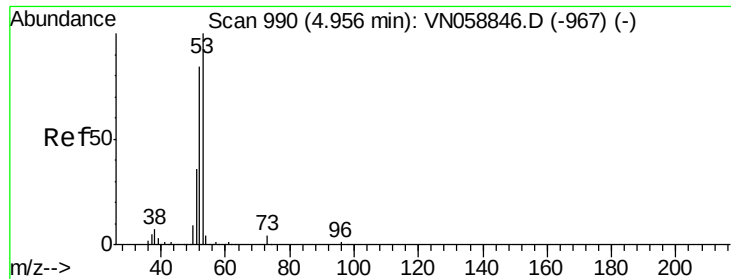
Ion Ratio Lower Upper

41 100

39 62.5 55.9 83.9

76 30.0 24.1 36.1





#15

Acrylonitrile

Concen: 298.694 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

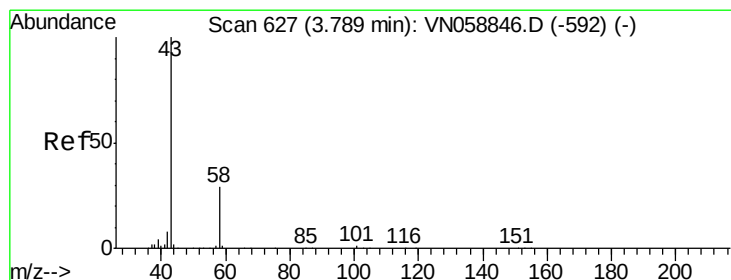
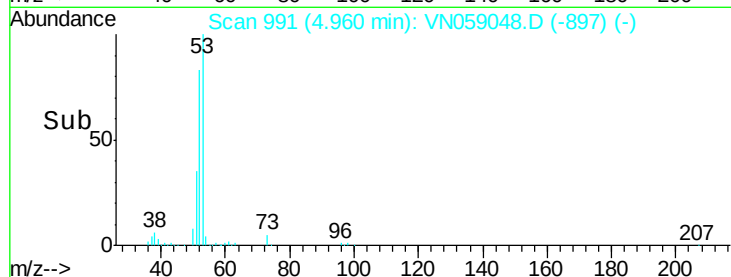
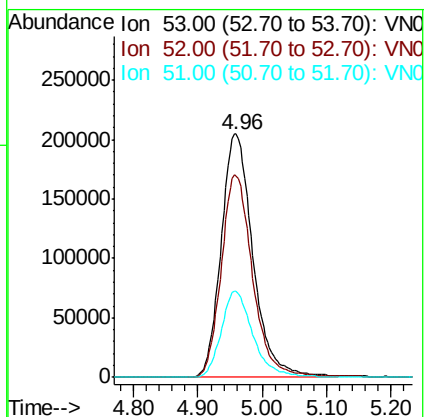
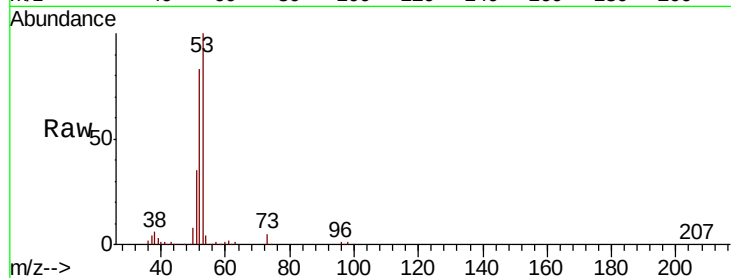
Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 53 Resp: 702840

Ion	Ratio	Lower	Upper
53	100		
52	81.6	66.6	99.8
51	35.3	29.2	43.8



#16

Acetone

Concen: 231.641 ug/l

RT: 3.79 min Scan# 628

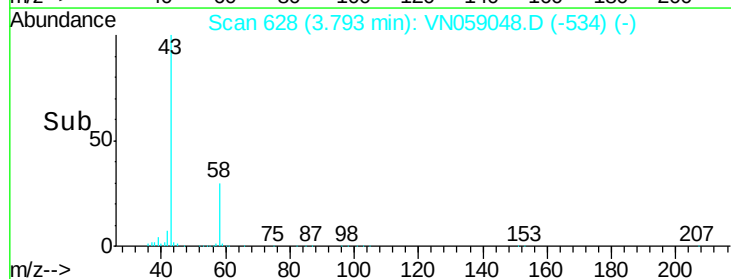
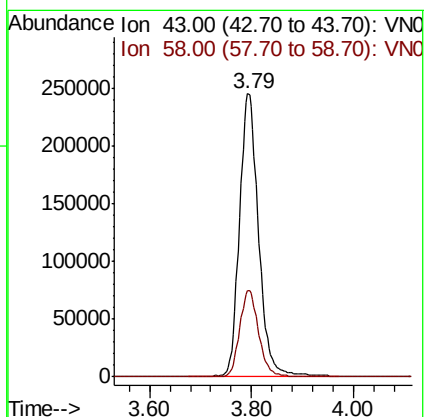
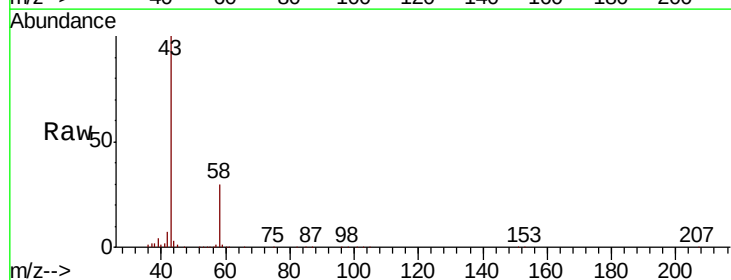
Delta R.T. 0.00 min

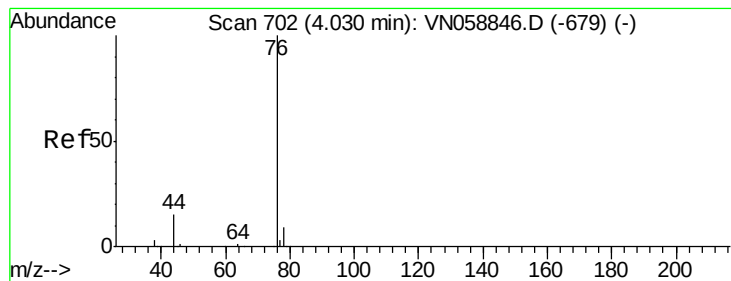
Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Tgt Ion: 43 Resp: 645240

Ion	Ratio	Lower	Upper
43	100		
58	30.3	23.1	34.7





#17

Carbon Disulfide

Concen: 41.771 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

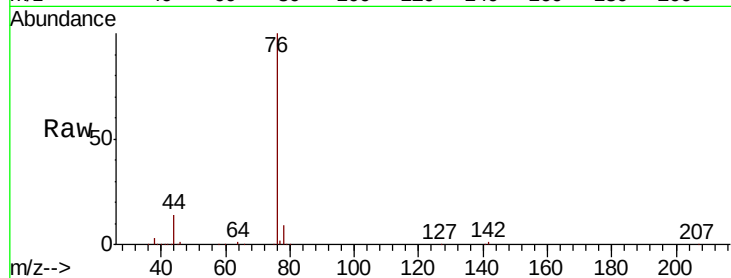
ClientSampleId :

Tot Ion: 76 Resp: 509824

Ion Ratio Lower Upper

76 100

78 9.3 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VN058846.D (-679) (-)

Ion 77.90 (77.60 to 78.60): VN058846.D (-679) (-)

4.03

200000

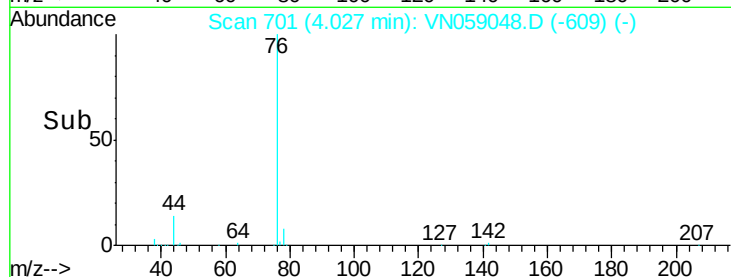
150000

100000

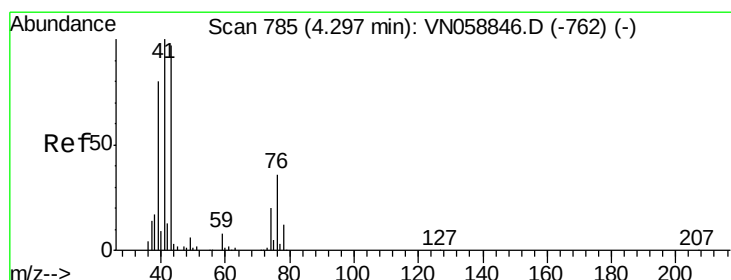
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 59.762 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059048.D

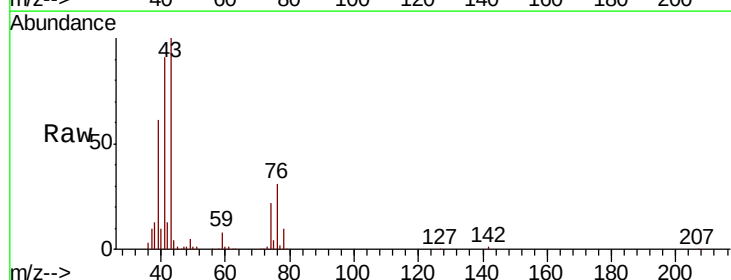
Acq: 31 Oct 2019 18:34

Tgt Ion: 43 Resp: 378468

Ion Ratio Lower Upper

43 100

74 22.0 17.1 25.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-762) (-)

Ion 74.00 (73.70 to 74.70): VN058846.D (-762) (-)

4.30

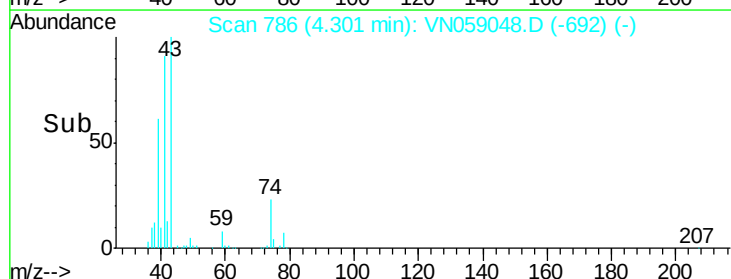
150000

100000

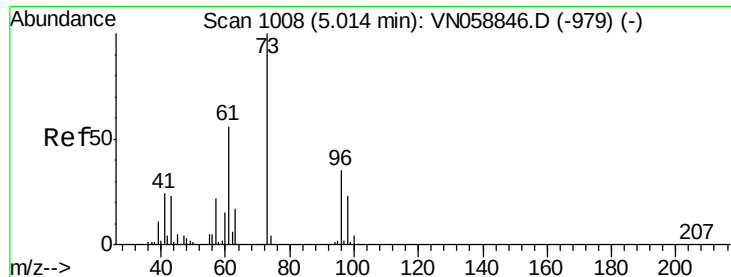
50000

0

Time-->



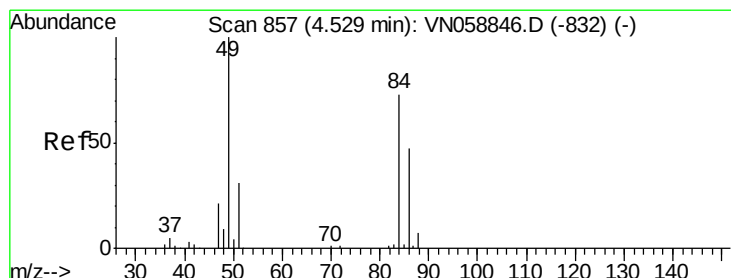
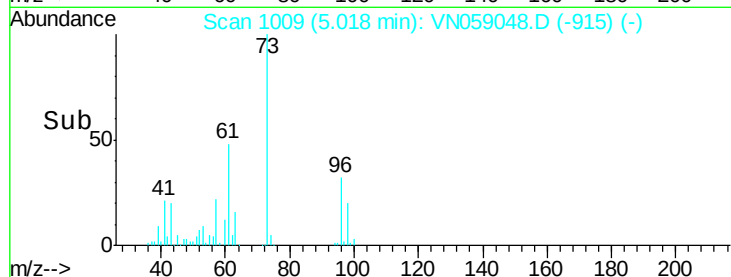
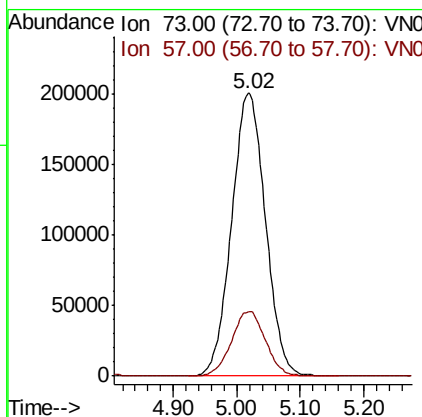
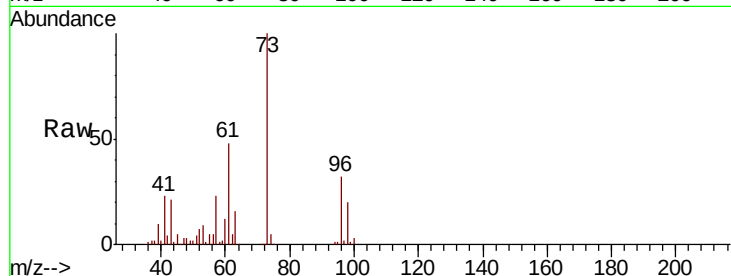
Time-->



#19
Methvl tert-butvl Ether
Concen: 55.855 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

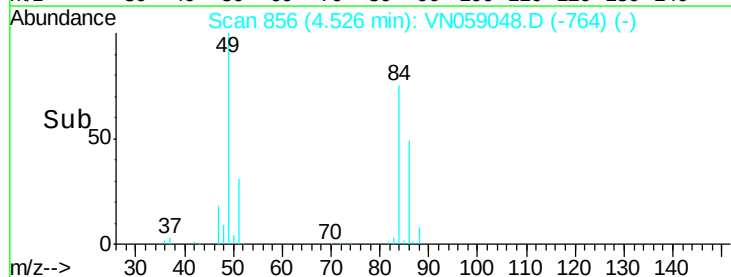
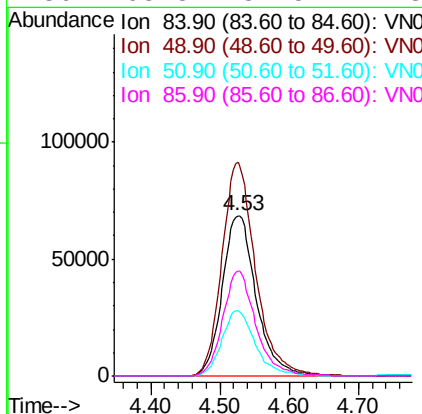
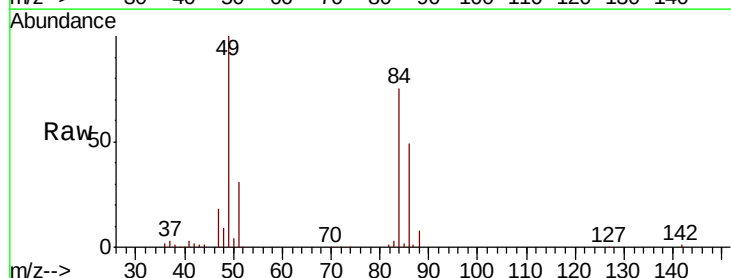
Instrument :
MSVOA_N
ClientSampleId :

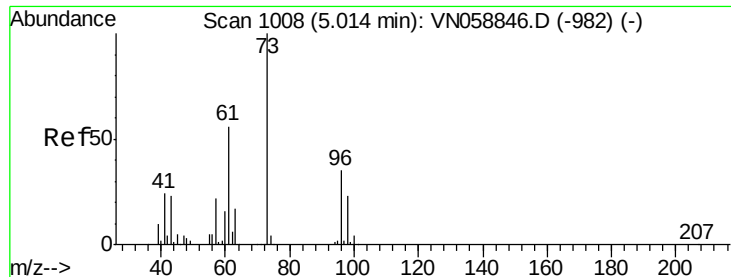
Tot Ion: 73 Resp: 741041
Ion Ratio Lower Upper
73 100
57 22.7 17.9 26.9



#20
Methylene Chloride
Concen: 49.130 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 84 Resp: 233678
Ion Ratio Lower Upper
84 100
49 133.5 109.6 164.4
51 40.8 33.8 50.6
86 65.8 51.5 77.3





#21

trans-1,2-Dichloroethene

Concen: 49.867 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

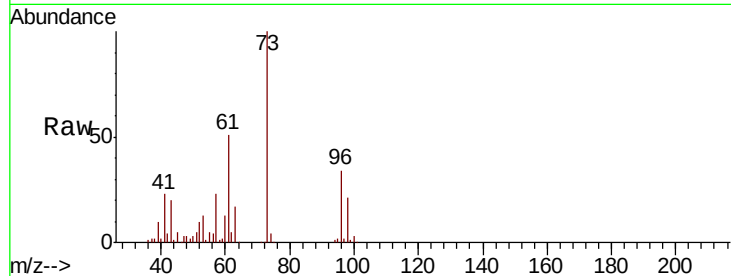
Tot Ion: 96 Resp: 208661

Ion Ratio Lower Upper

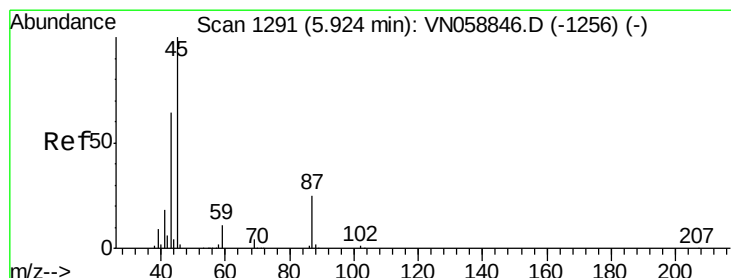
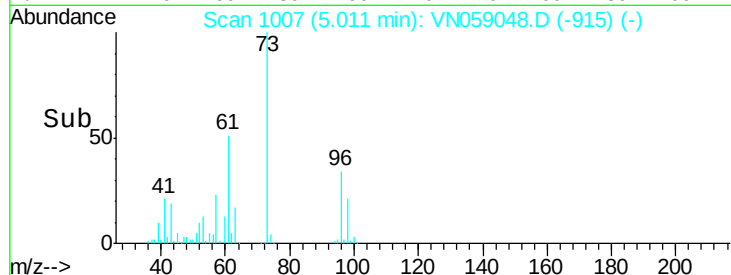
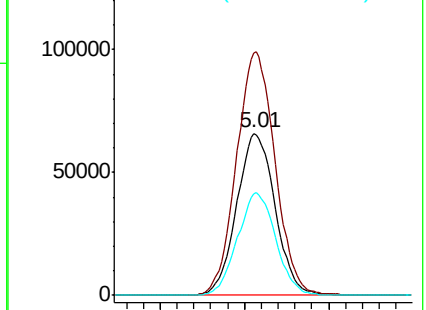
96 100

61 149.5 126.7 190.1

98 62.5 52.0 78.0



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



#22

Diisopropyl ether

Concen: 55.926 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Tgt Ion: 45 Resp: 838707

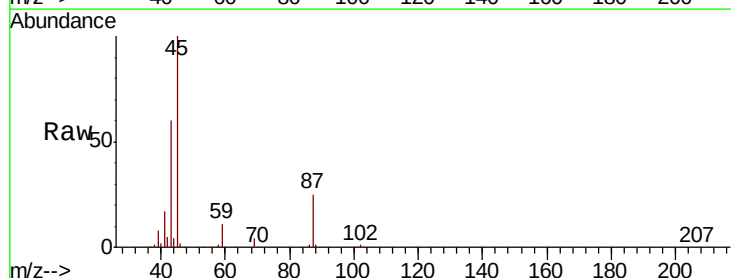
Ion Ratio Lower Upper

45 100

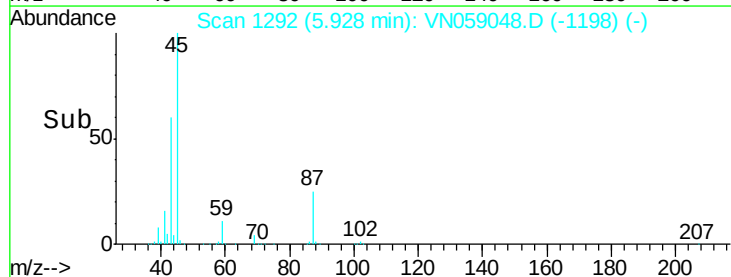
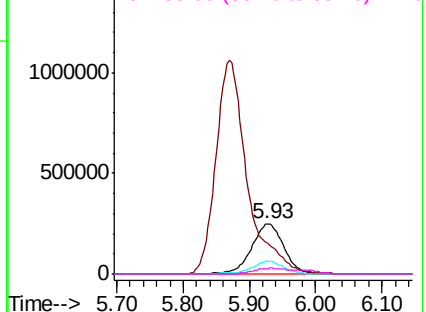
43 59.3 52.9 79.3

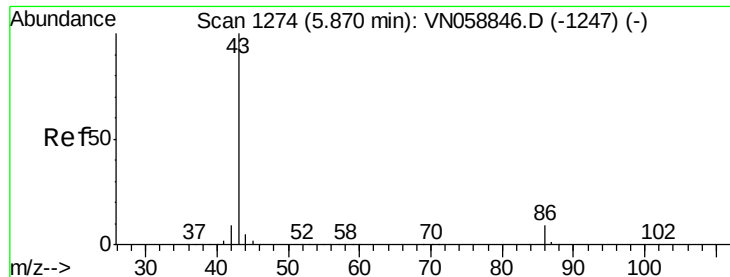
87 24.8 20.2 30.4

59 11.3 8.8 13.2



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





#23

Vinyl Acetate

Concen: 289.879 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

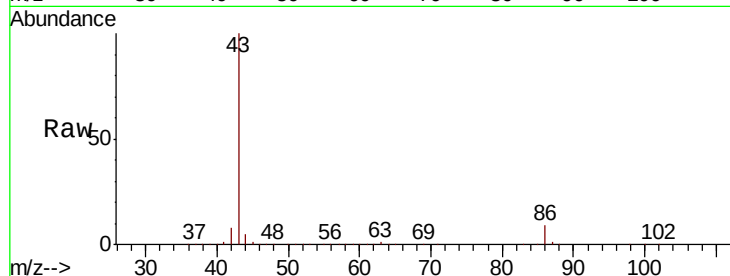
Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3492667

Ion	Ratio	Lower	Upper
43	100		
86	9.4	7.2	10.8

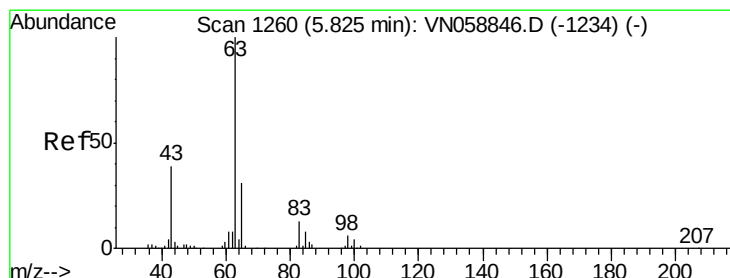
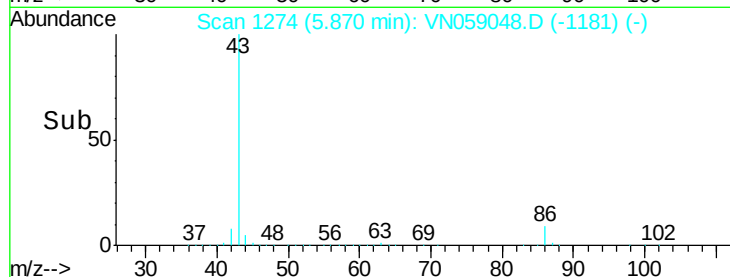


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

Time-->



#24

1,1-Dichloroethane

Concen: 51.010 ug/l

RT: 5.82 min Scan# 1260

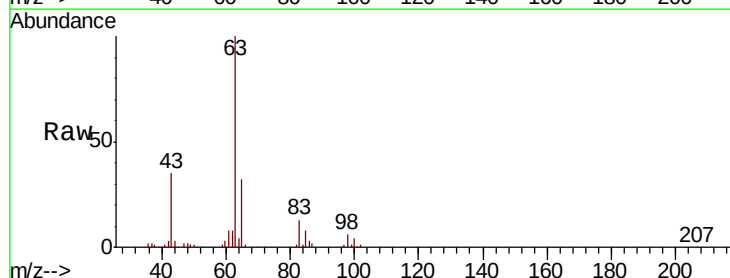
Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Tgt Ion: 63 Resp: 443572

Ion	Ratio	Lower	Upper
63	100		
98	6.2	2.8	8.4
100	3.8	1.9	5.7



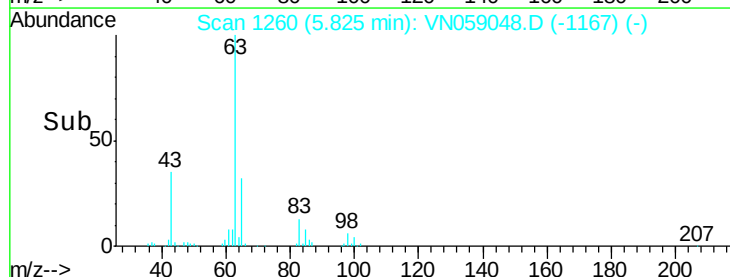
Abundance Ion 62.90 (62.60 to 63.60): VN0

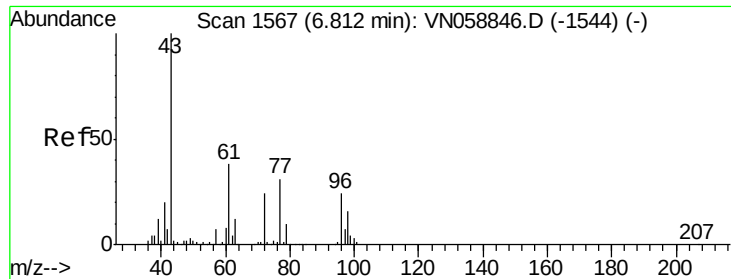
Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

Time-->





#25

2-Butanone

Concen: 274.636 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

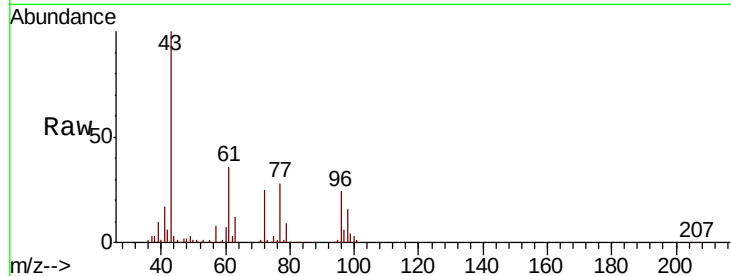
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 993054

Ion Ratio Lower Upper

43 100

72 24.8 19.1 28.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1544) (-)

Ion 72.00 (71.70 to 72.70): VN058846.D (-1544) (-)

6.81

400000

300000

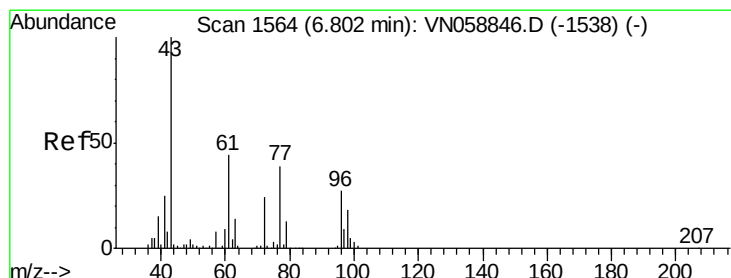
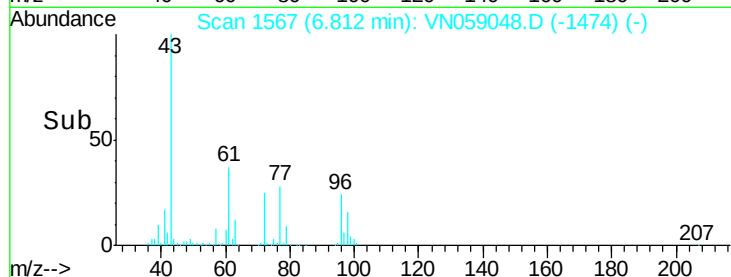
200000

100000

0

6.70 6.80 6.90

Time-->



#26

2,2-Dichloropropane

Concen: 47.535 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059048.D

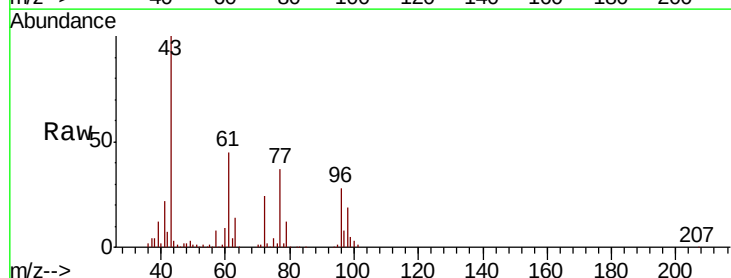
Acq: 31 Oct 2019 18:34

Tgt Ion: 77 Resp: 357537

Ion Ratio Lower Upper

77 100

97 22.0 10.6 31.8



Abundance Ion 76.90 (76.60 to 77.60): VN058846.D (-1538) (-)

Ion 96.90 (96.60 to 97.60): VN058846.D (-1538) (-)

6.80

120000

100000

80000

60000

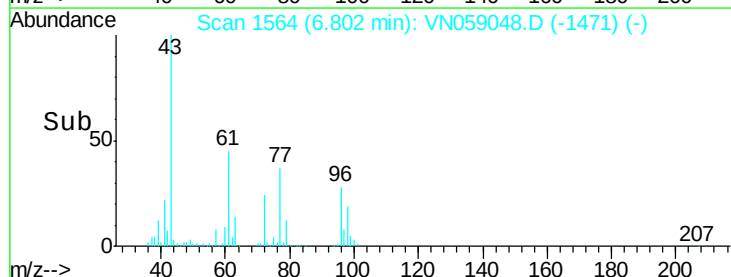
40000

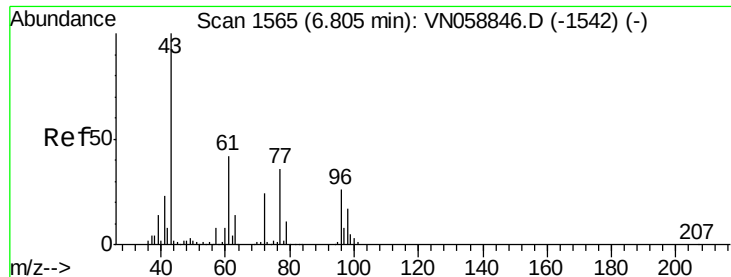
20000

0

6.70 6.80 6.90

Time-->





#27

cis-1,2-Dichloroethene

Concen: 52.256 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

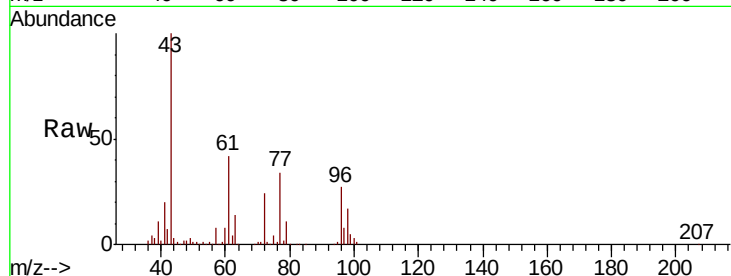
Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 249787

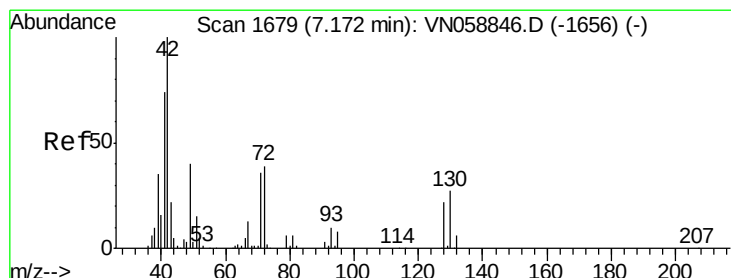
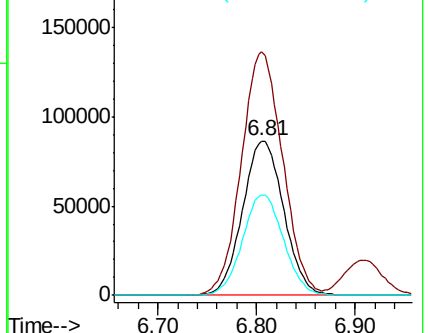
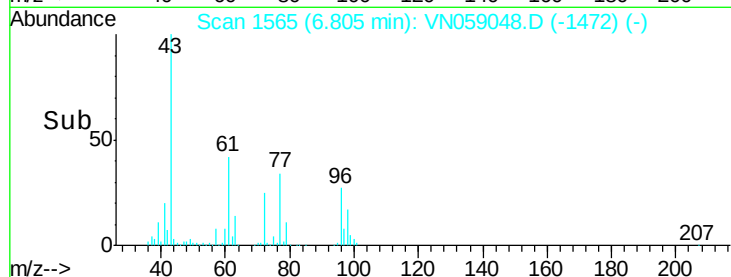
Ion	Ratio	Lower	Upper
96	100		
61	158.2	0.0	325.0
98	65.1	0.0	128.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 51.179 ug/l

RT: 7.17 min Scan# 1679

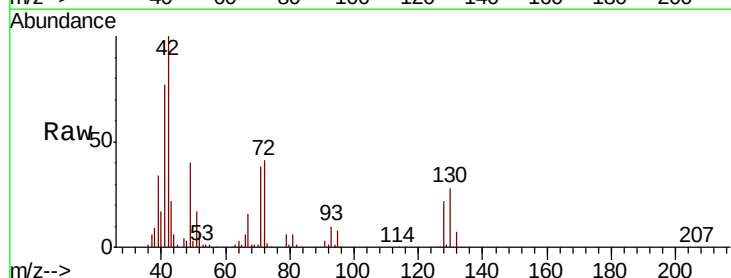
Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Tgt Ion: 49 Resp: 148215

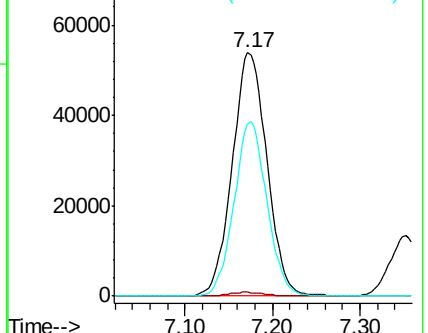
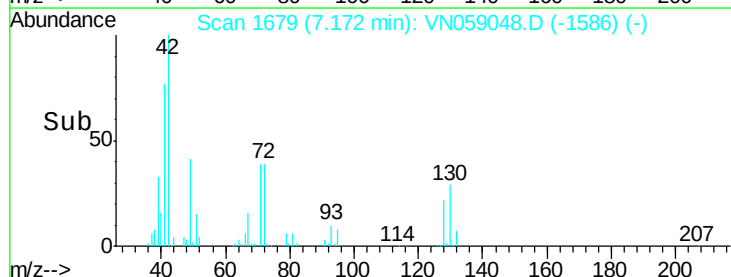
Ion	Ratio	Lower	Upper
49	100		
129	1.5	0.0	3.2
130	67.7	53.5	80.3

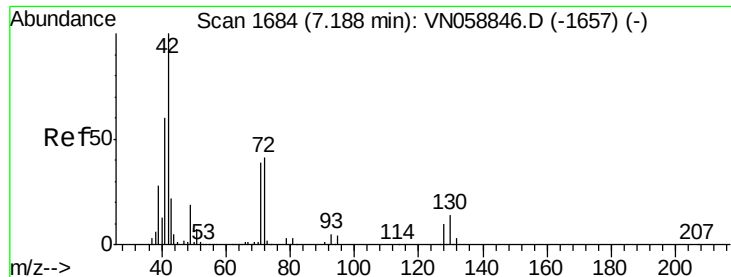


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

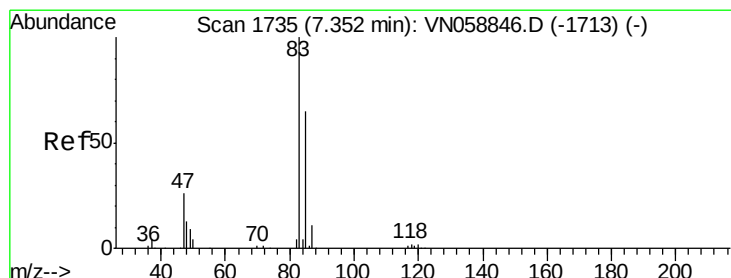
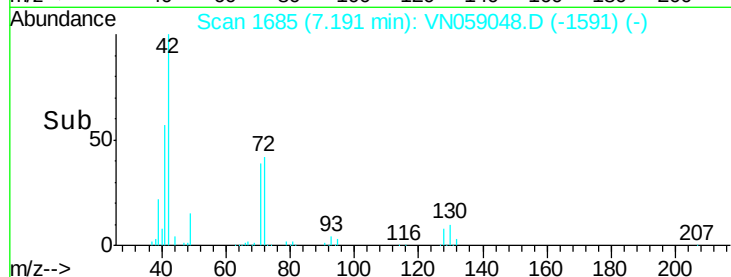
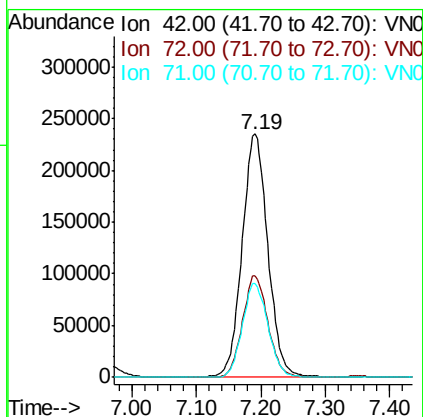
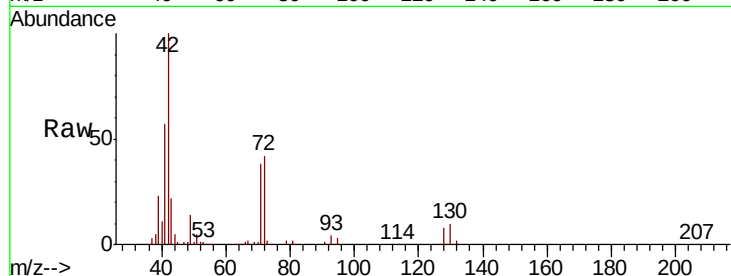




#29
Tetrahydrofuran
Concen: 293.818 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

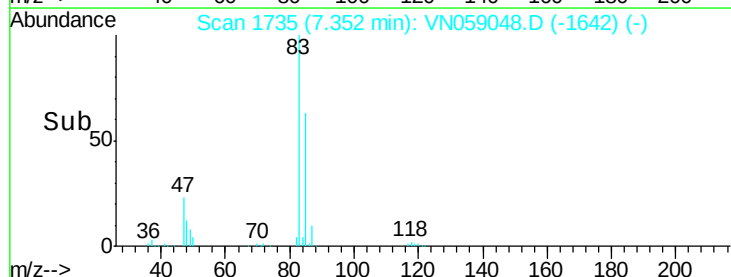
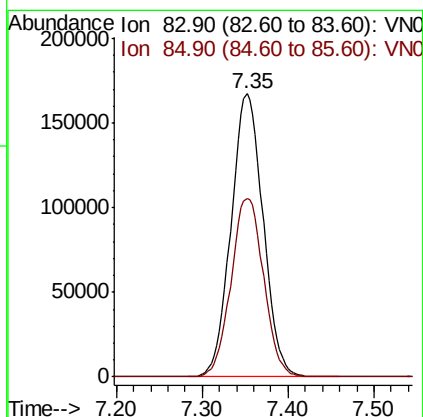
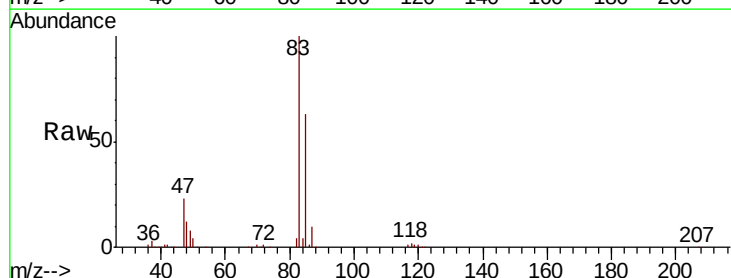
Instrument :
MSVOA_N
ClientSampled :

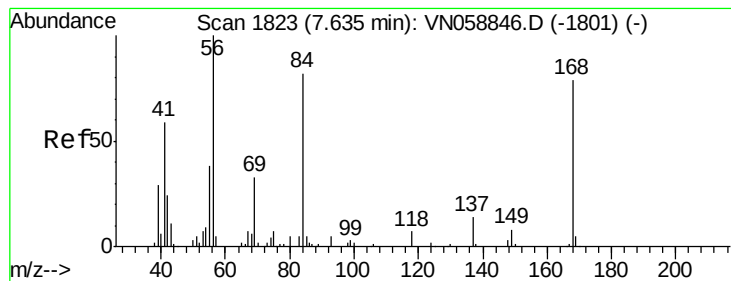
Tot Ion: 42 Resp: 649916
Ion Ratio Lower Upper
42 100
72 41.3 32.2 48.2
71 38.6 30.6 45.8



#30
Chloroform
Concen: 49.583 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 83 Resp: 432498
Ion Ratio Lower Upper
83 100
85 63.2 51.9 77.9





#31

Cyclohexane

Concen: 46.264 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

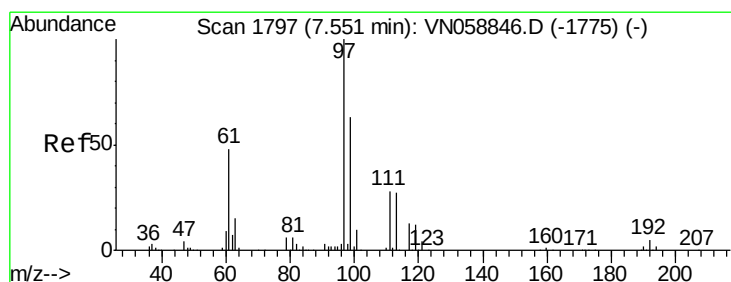
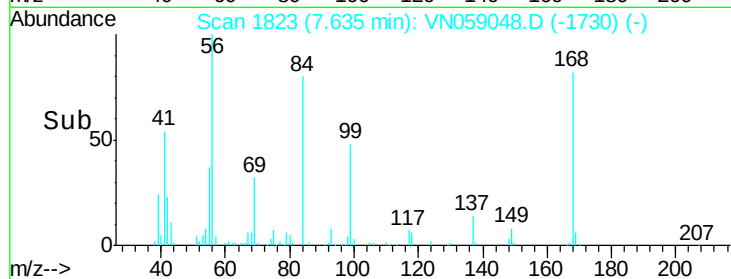
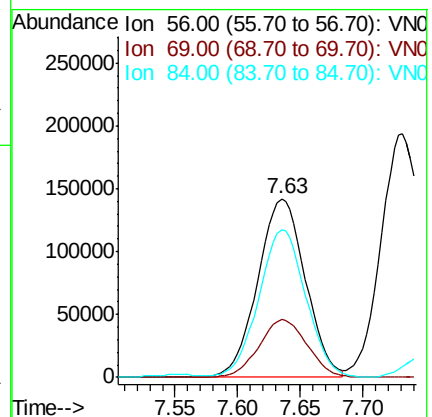
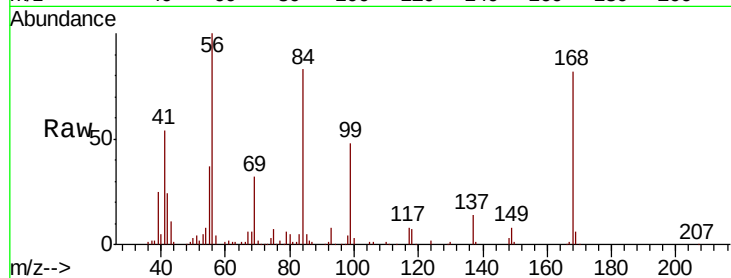
Tot Ion: 56 Resp: 374784

Ion Ratio Lower Upper

56 100

69 32.3 26.2 39.4

84 81.5 65.6 98.4



#32

1,1,1-Trichloroethane

Concen: 50.242 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

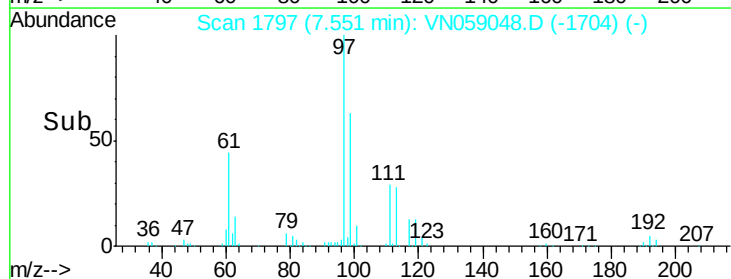
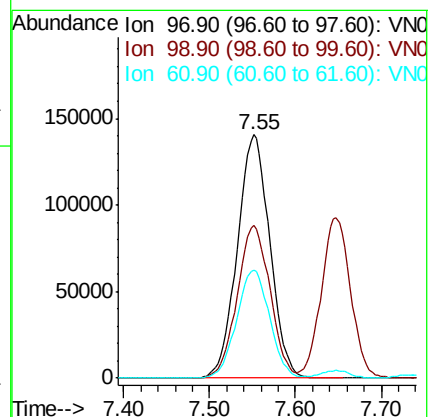
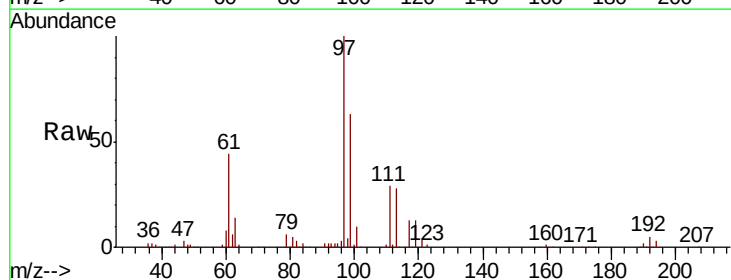
Tgt Ion: 97 Resp: 369395

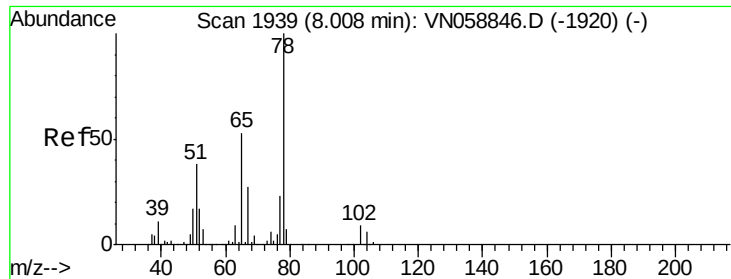
Ion Ratio Lower Upper

97 100

99 63.3 51.0 76.4

61 45.0 38.6 58.0

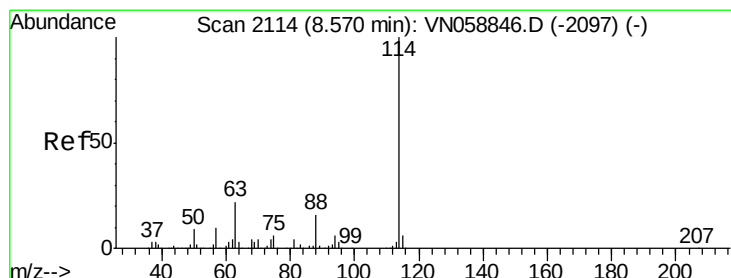
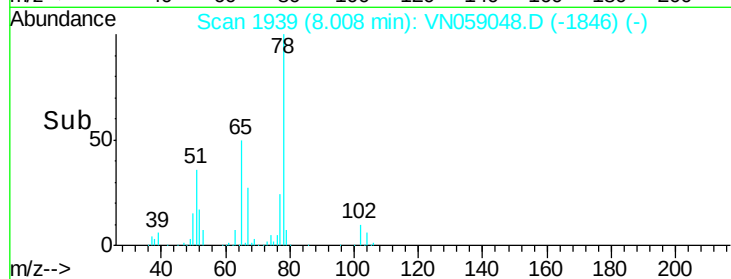
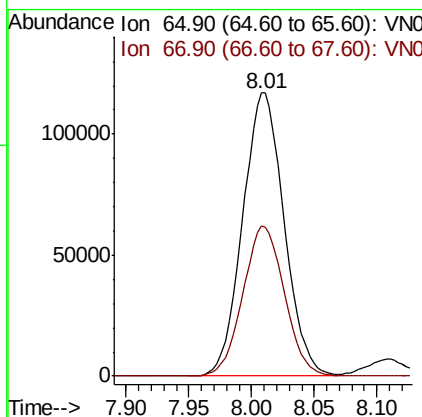
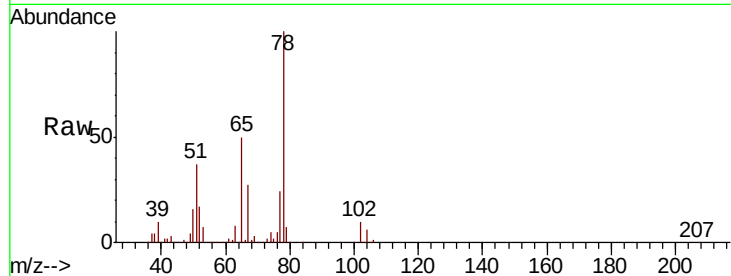




#33
 1,2-Dichloroethane-d4
 Concen: 47.815 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

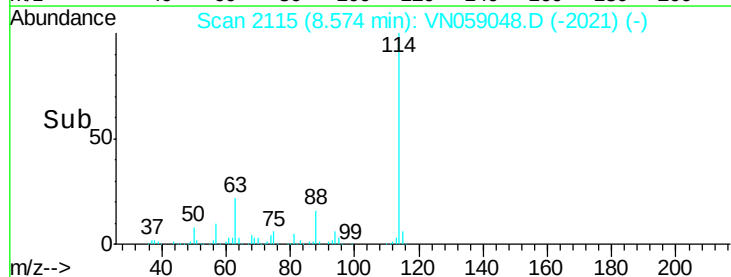
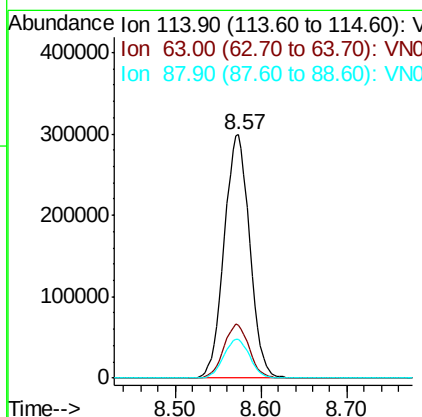
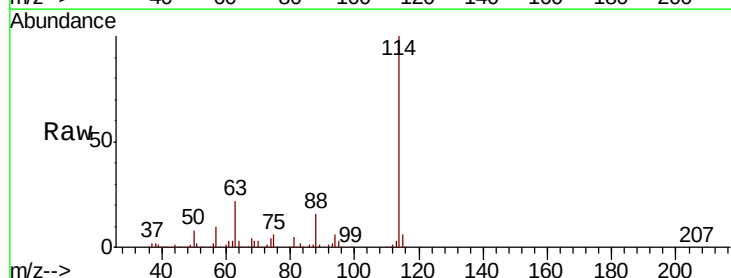
Instrument :
 MSVOA_N
 ClientSampled :

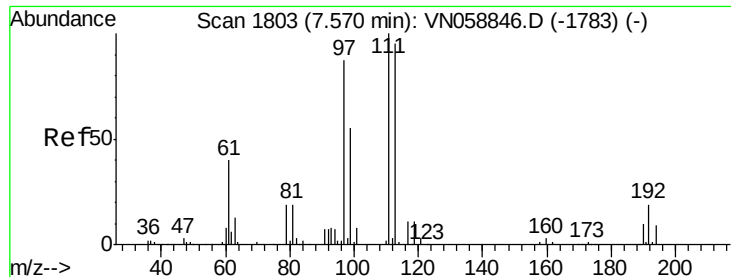
Tot Ion: 65 Resp: 269537
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion: 114 Resp: 616888
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 44.4
 88 15.9 0.0 31.4

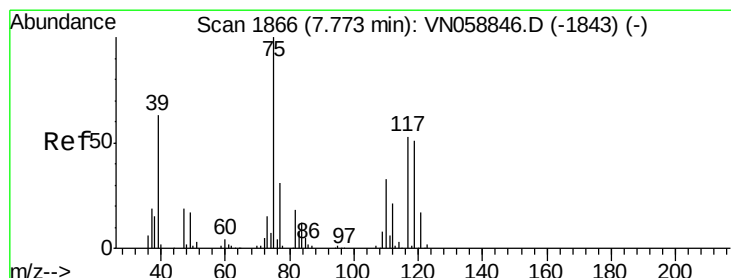
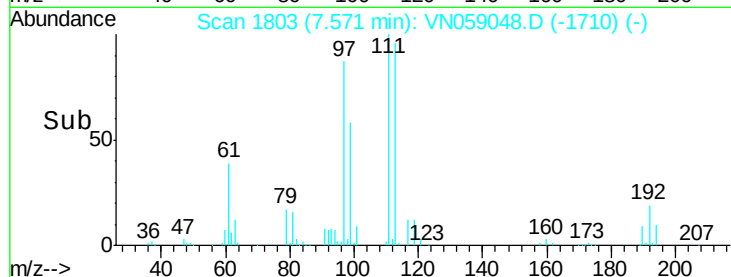
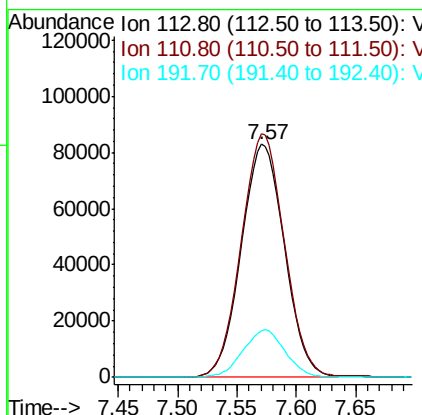
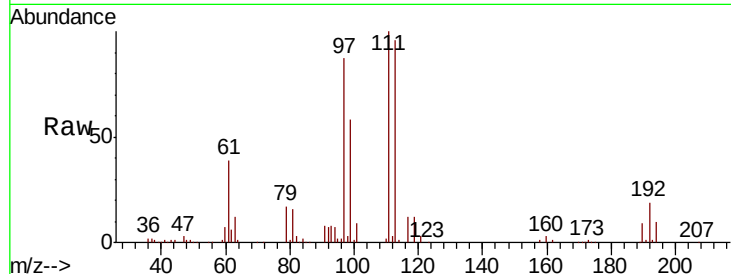




#35
Dibromofluoromethane
Concen: 51.452 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

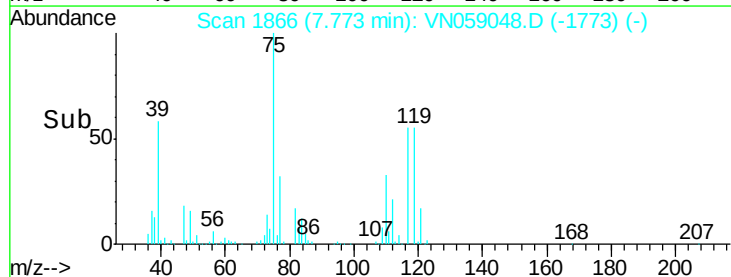
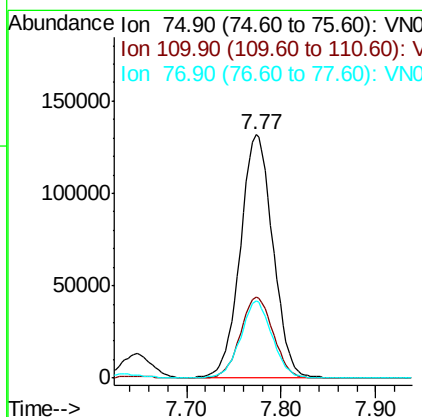
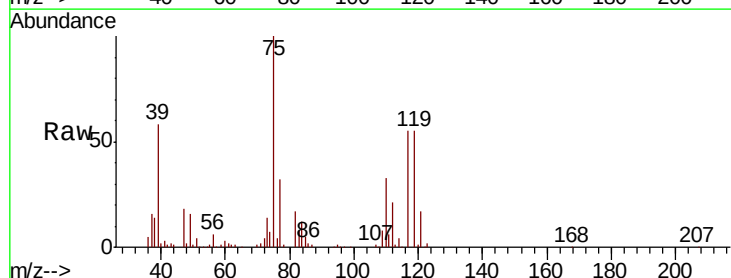
Instrument :
MSVOA_N
ClientSampled :

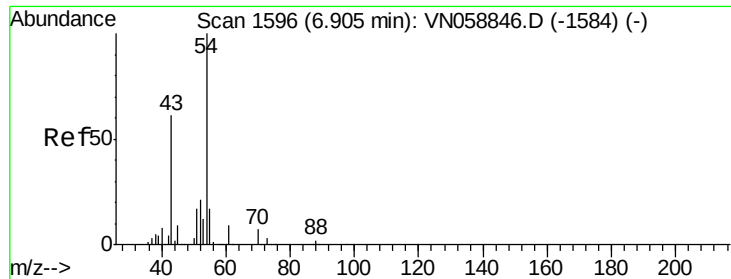
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.0	123.0
192	20.0	15.0	22.6



#36
1,1-Dichloropropene
Concen: 49.982 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
110	33.6	16.3	48.9
77	30.9	24.6	36.8

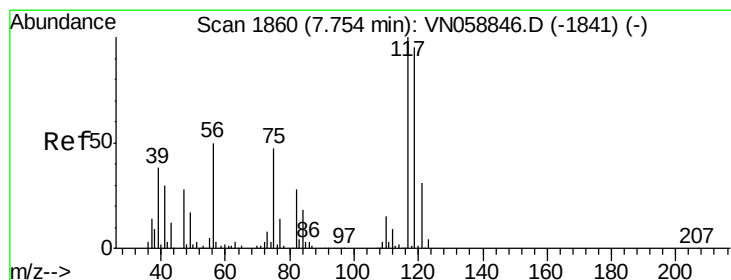
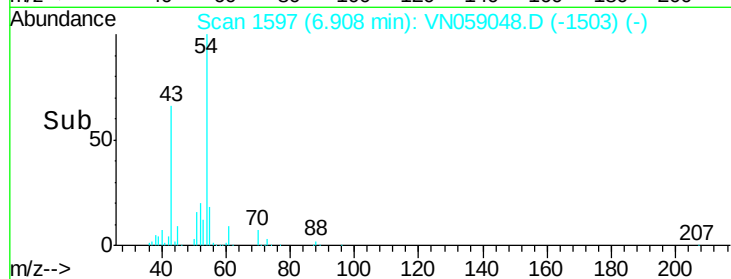
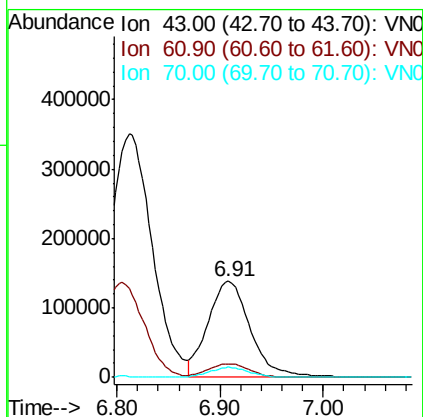
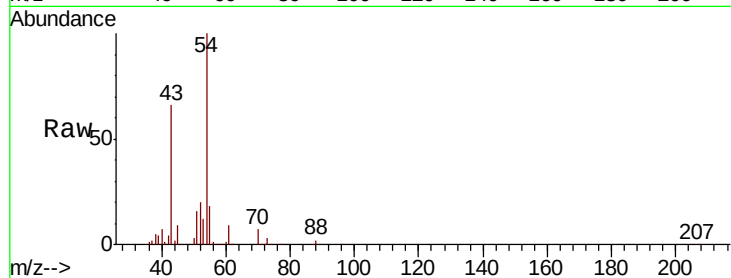




#37
Ethyl Acetate
Concen: 56.562 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

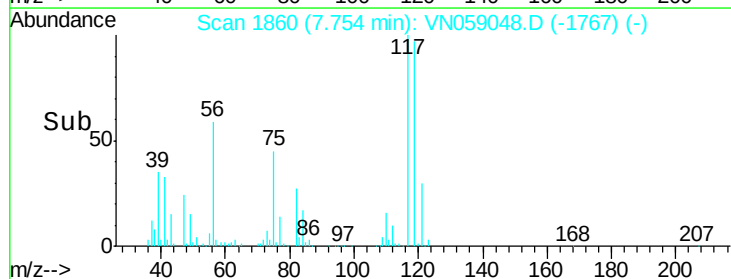
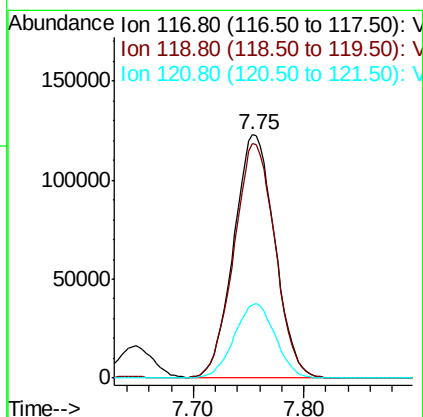
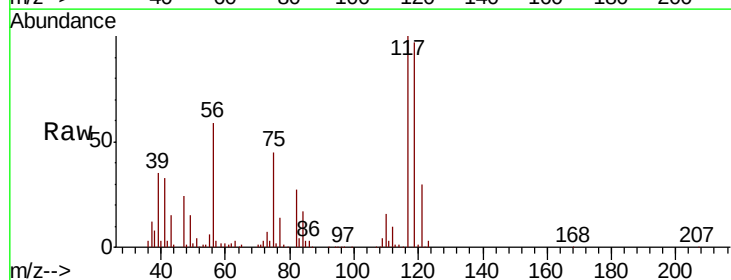
Instrument :
MSVOA_N
ClientSampleId :

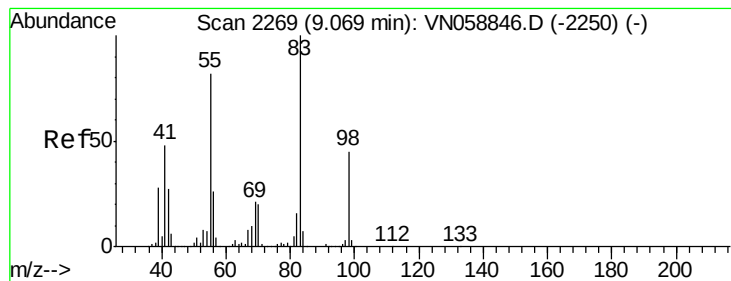
Tot Ion: 43 Resp: 389239
Ion Ratio Lower Upper
43 100
61 14.1 10.5 15.7
70 9.7 7.6 11.4



#38
Carbon Tetrachloride
Concen: 48.871 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 117 Resp: 317969
Ion Ratio Lower Upper
117 100
119 96.4 75.7 113.5
121 30.4 25.0 37.6





#39

Methylvlcyclohexane

Concen: 49.729 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

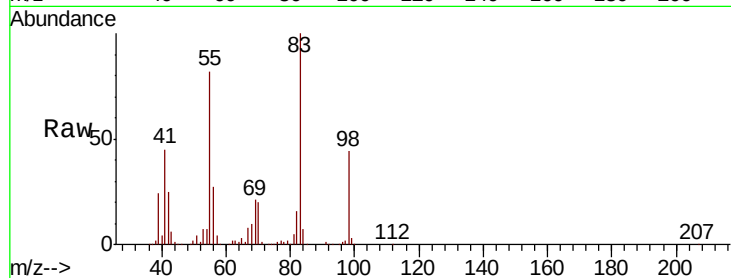
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 83 Resp: 352656

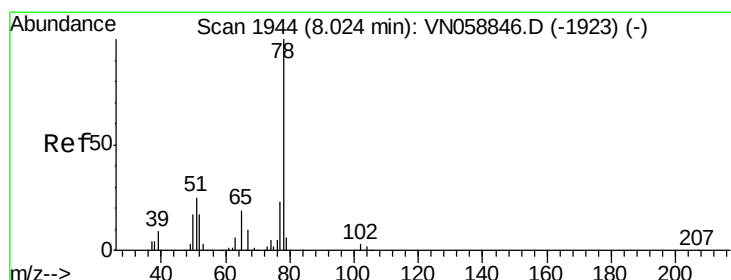
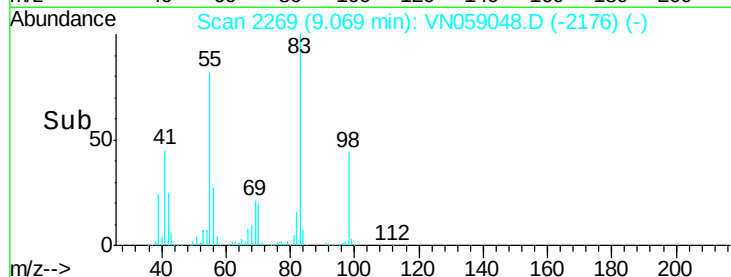
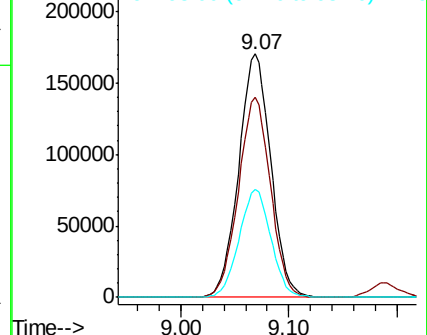
Ion	Ratio	Lower	Upper
83	100		
55	82.4	65.5	98.3
98	44.2	35.7	53.5



Abundance Ion 83.00 (82.70 to 83.70): VN059048.D (-2176) (-)

Ion 55.00 (54.70 to 55.70): VN059048.D (-2176) (-)

Ion 98.00 (97.70 to 98.70): VN059048.D (-2176) (-)



#40

Benzene

Concen: 52.132 ug/l

RT: 8.02 min Scan# 1944

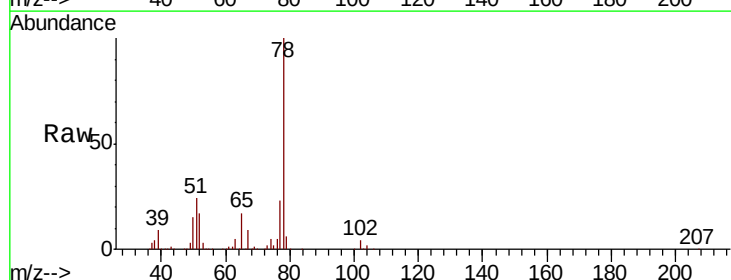
Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

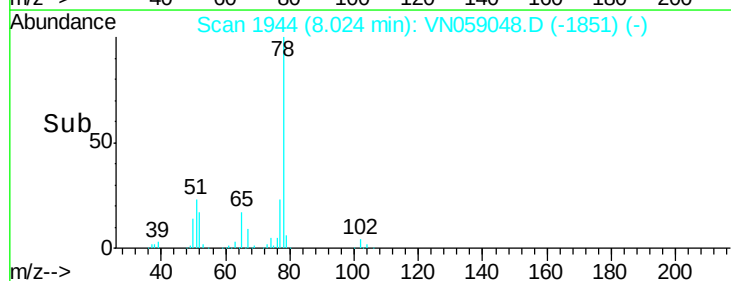
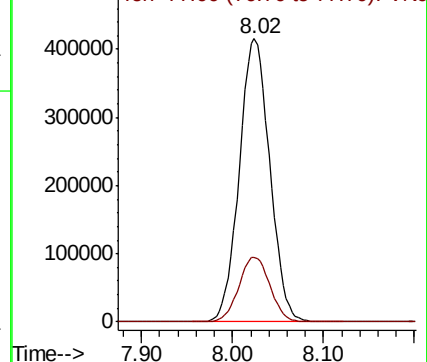
Tgt Ion: 78 Resp: 966833

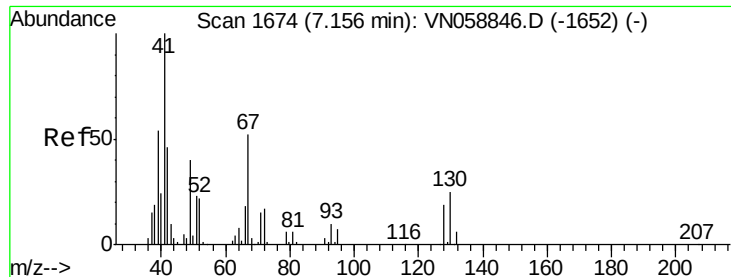
Ion	Ratio	Lower	Upper
78	100		
77	23.0	18.2	27.2



Abundance Ion 78.00 (77.70 to 78.70): VN059048.D (-1851) (-)

Ion 77.00 (76.70 to 77.70): VN059048.D (-1851) (-)





#41

Methacrylonitrile

Concen: 51.717 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 41 Resp: 158509

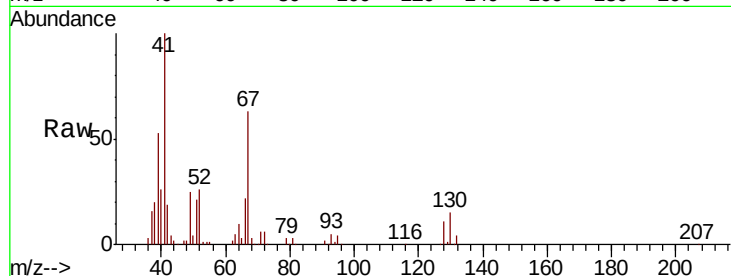
Ion Ratio Lower Upper

41 100

39 69.7 0.0 0.0#

67 93.4 0.0 0.0#

52 38.3 0.0 0.0#

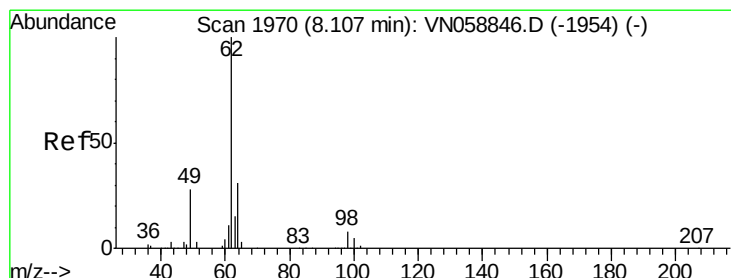
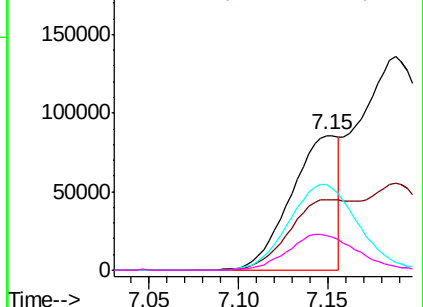
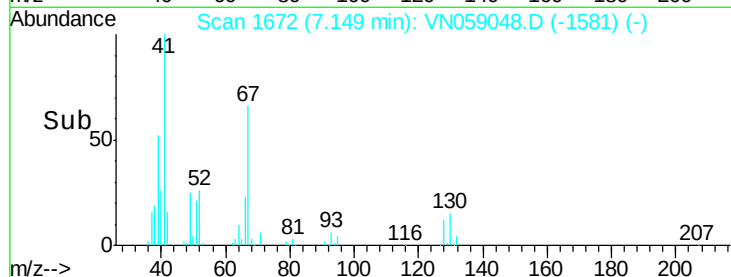


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-1652) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN058846.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-1652) (-)



#42

1,2-Dichloroethane

Concen: 48.665 ug/l

RT: 8.11 min Scan# 1970

Delta R.T. 0.00 min

Lab File: VN059048.D

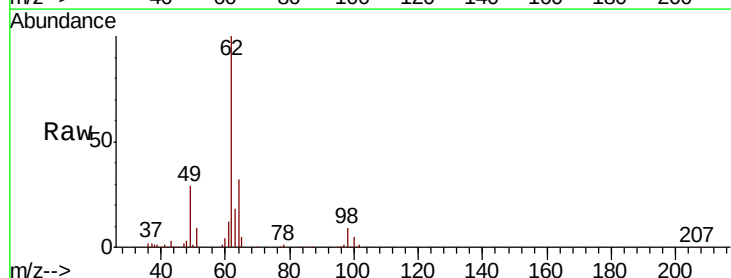
Acq: 31 Oct 2019 18:34

Tgt Ion: 62 Resp: 347662

Ion Ratio Lower Upper

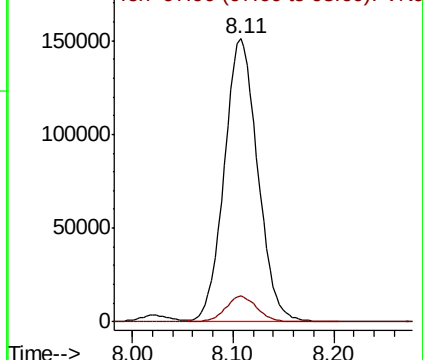
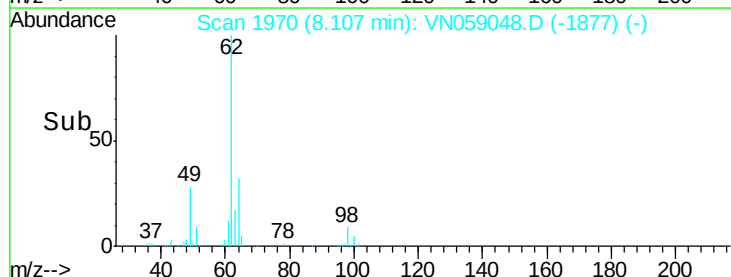
62 100

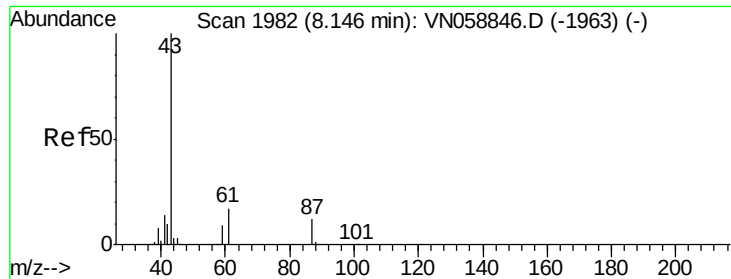
98 8.6 0.0 16.2



Abundance Ion 61.90 (61.60 to 62.60): VN058846.D (-1954) (-)

Ion 97.90 (97.60 to 98.60): VN058846.D (-1954) (-)

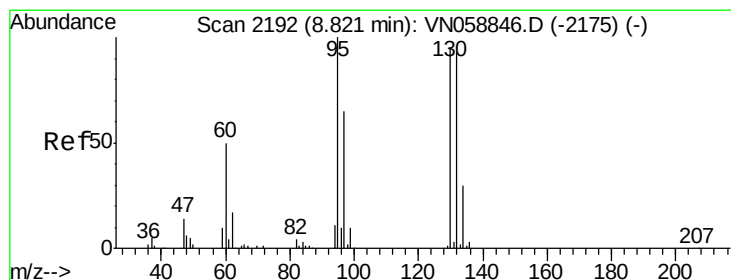
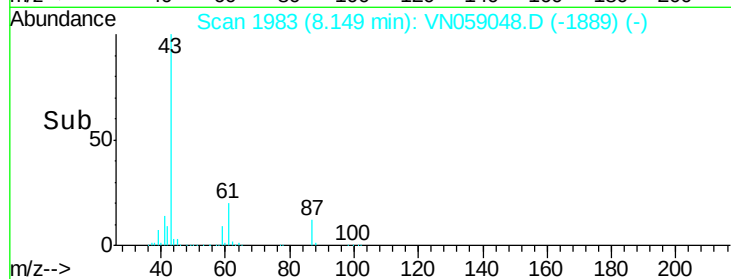
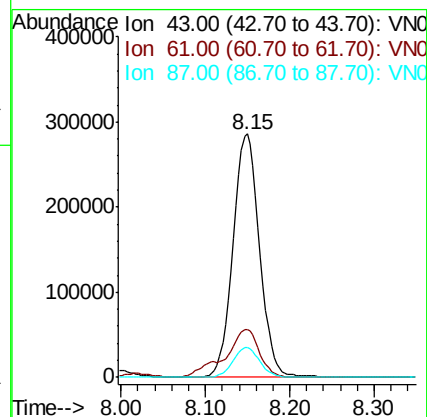
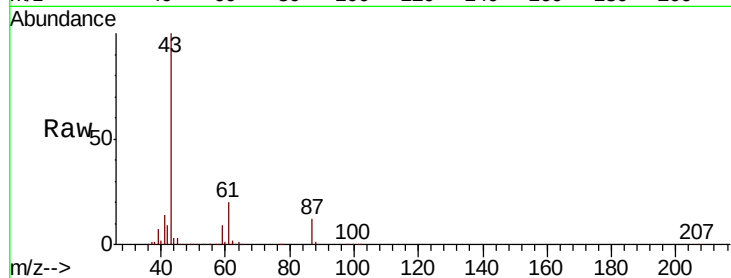




#43
Isopropyl Acetate
Concen: 56.339 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

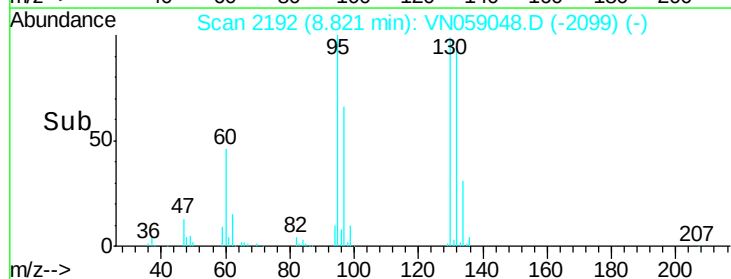
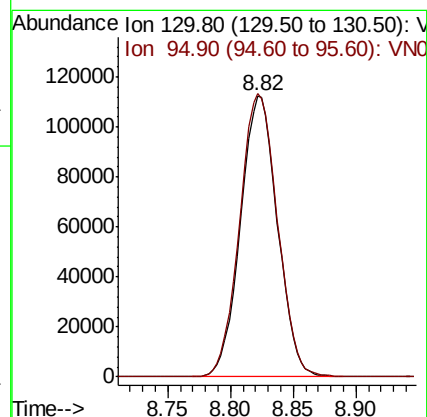
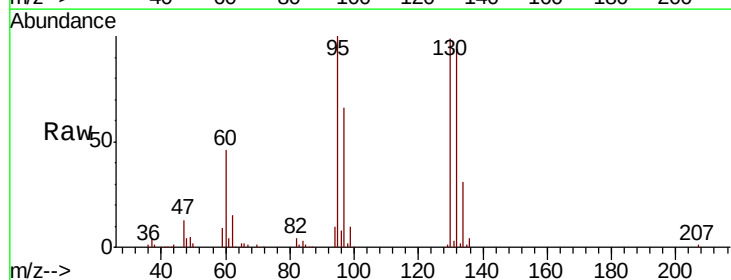
Instrument :
MSVOA_N
ClientSampleId :

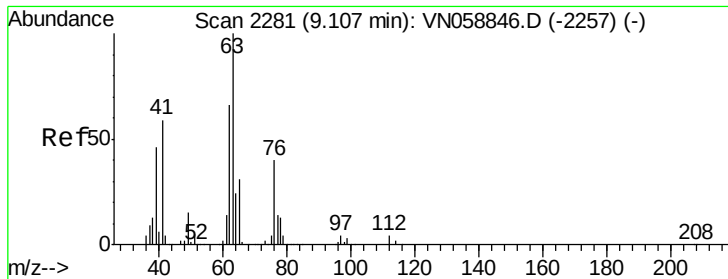
Tot Ion: 43 Resp: 621793
Ion Ratio Lower Upper
43 100
61 25.5 20.2 30.2
87 12.2 9.5 14.3



#44
Trichloroethene
Concen: 50.941 ug/l
RT: 8.82 min Scan# 2192
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion:130 Resp: 230135
Ion Ratio Lower Upper
130 100
95 100.8 0.0 209.6





#45

1,2-Dichloropropane

Concen: 52.876 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

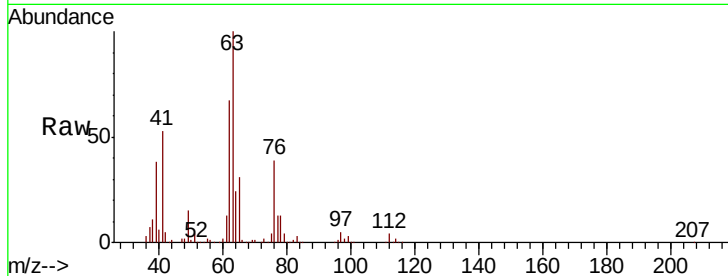
ClientSampleId :

Tot Ion: 63 Resp: 268902

Ion Ratio Lower Upper

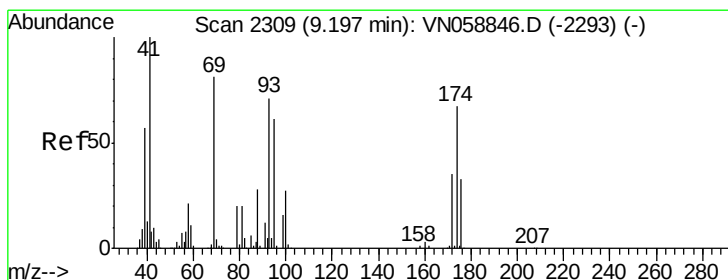
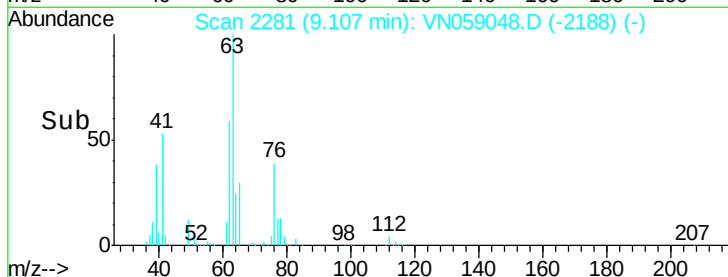
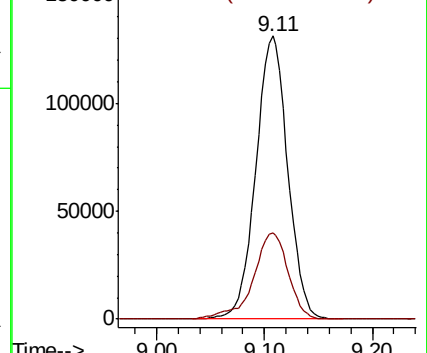
63 100

65 30.5 24.5 36.7



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 51.944 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

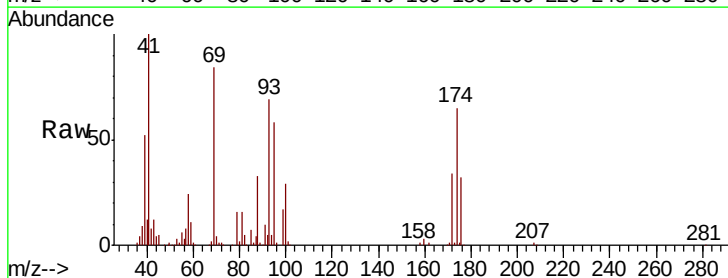
Tgt Ion: 93 Resp: 166999

Ion Ratio Lower Upper

93 100

95 83.2 67.6 101.4

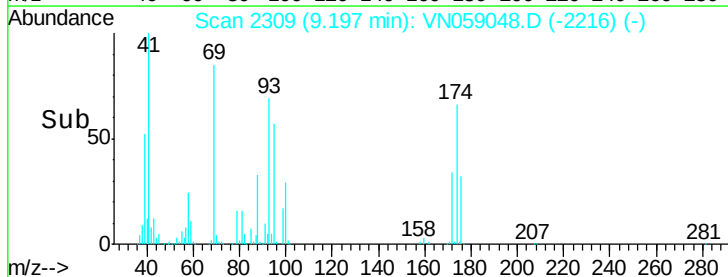
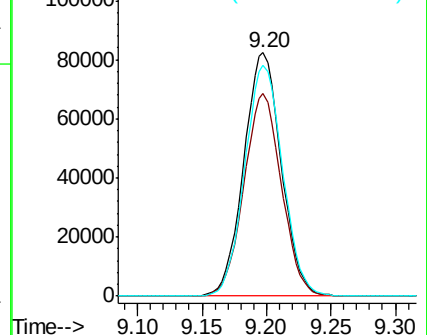
174 96.0 74.1 111.1

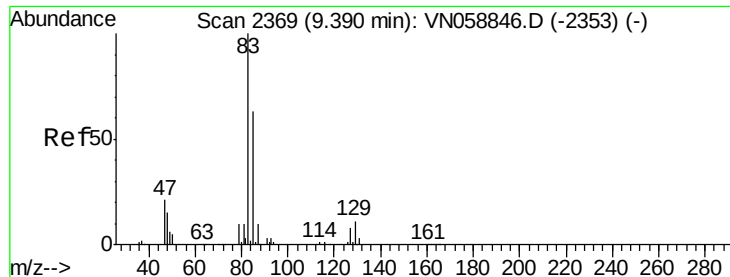


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): VNO





#47

Bromodichloromethane

Concen: 52.500 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

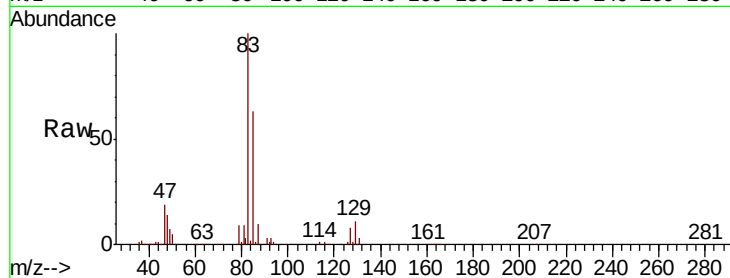
Tot Ion: 83 Resp: 347878

Ion Ratio Lower Upper

83 100

85 63.1 50.6 75.8

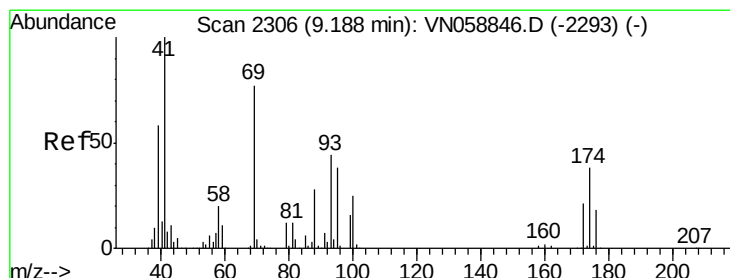
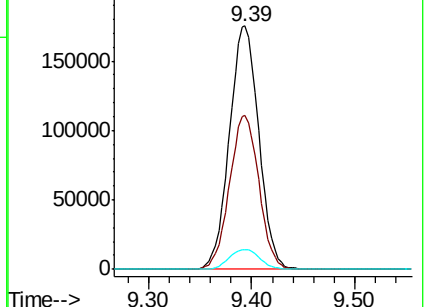
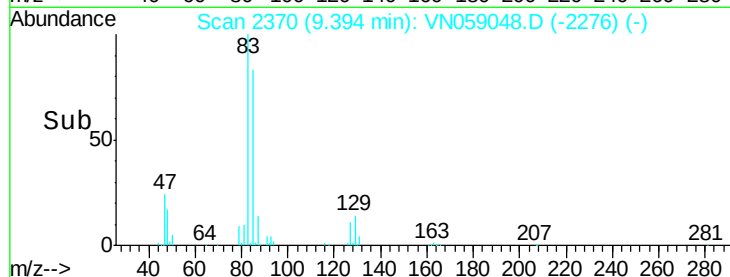
127 8.1 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)



#48

Methyl methacrylate

Concen: 56.216 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

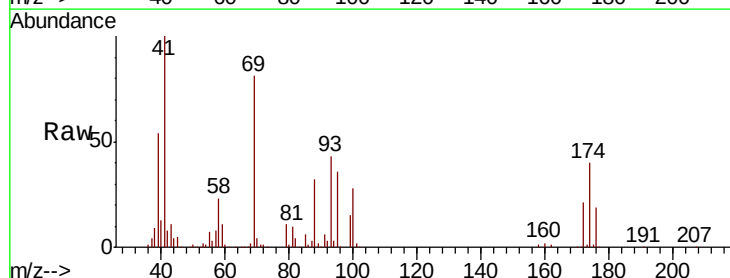
Tgt Ion: 41 Resp: 281492

Ion Ratio Lower Upper

41 100

69 83.9 63.8 95.6

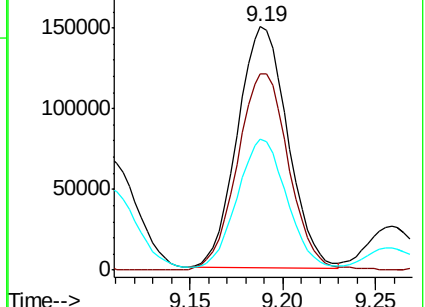
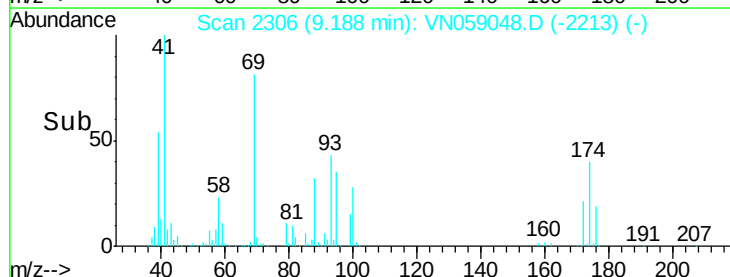
39 54.2 47.8 71.8

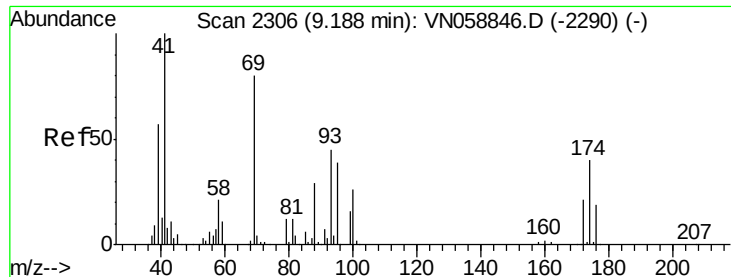


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

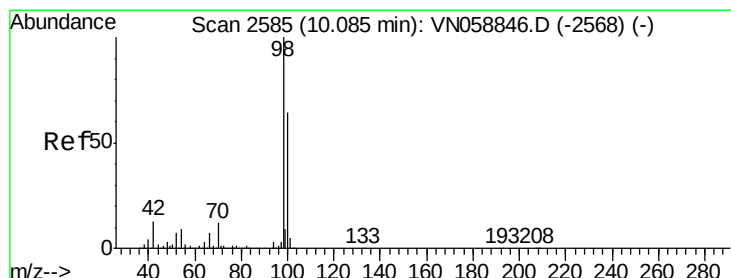
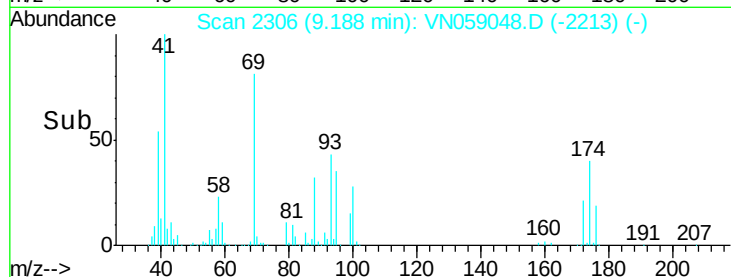
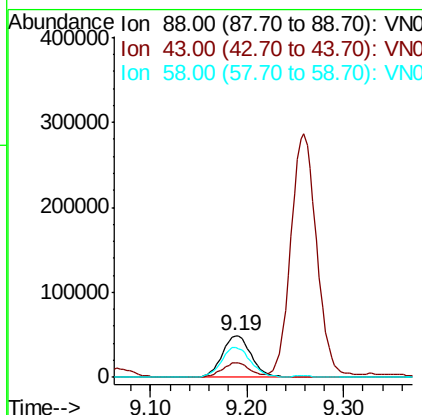
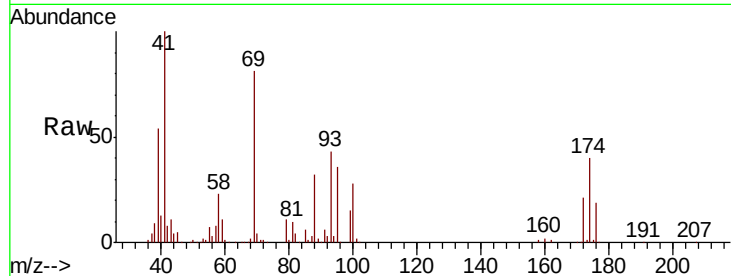




#49
1,4-Dioxane
Concen: 1244.645 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

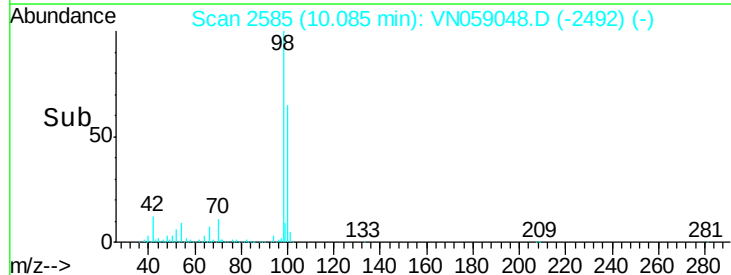
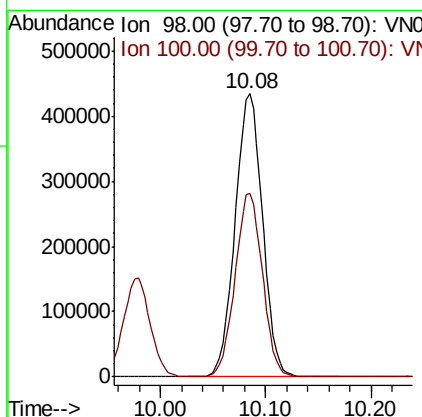
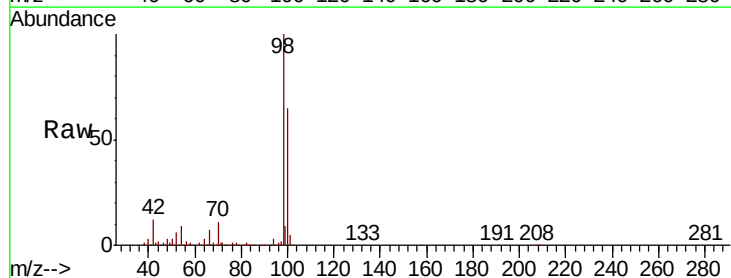
Instrument :
MSVOA_N
ClientSampleId :

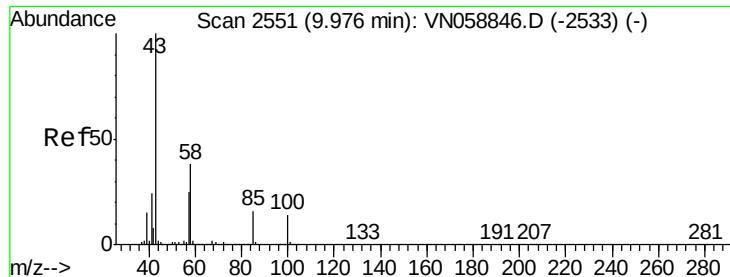
Tot Ion: 88 Resp: 102309
Ion Ratio Lower Upper
88 100
43 32.5 29.1 43.7
58 72.2 59.4 89.0



#50
Toluene-d8
Concen: 49.744 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 98 Resp: 783184
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.2





#51

4-Methyl-2-Pentanone

Concen: 310.807 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

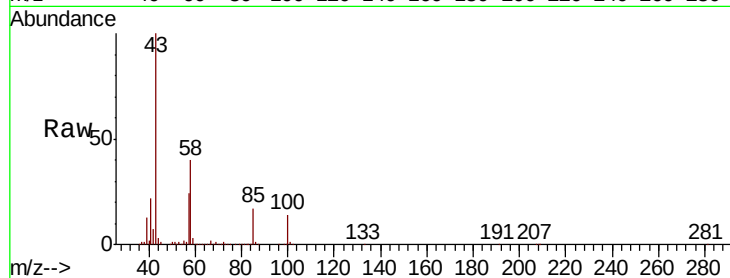
ClientSampled :

Tot Ion: 43 Resp: 2003598

Ion Ratio Lower Upper

43 100

58 39.1 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) (-)

9.98

1200000

1000000

800000

600000

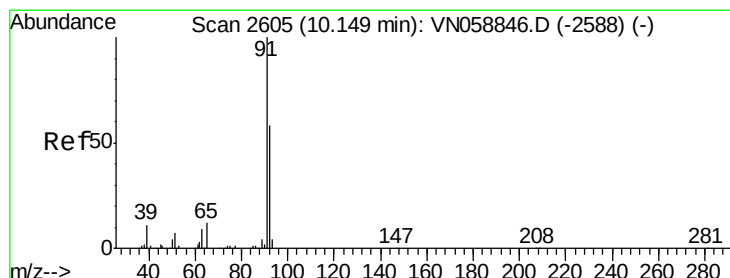
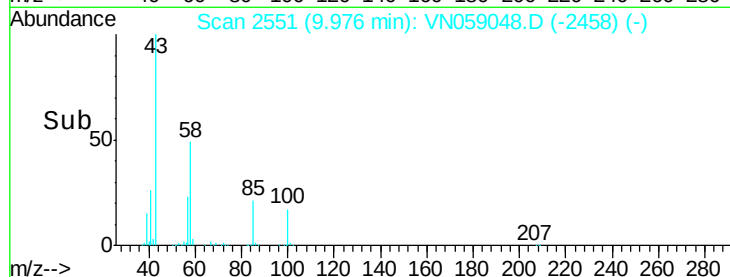
400000

200000

0

Time-->

9.90 9.95 10.00 10.05 10.10



#52

Toluene

Concen: 53.395 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN059048.D

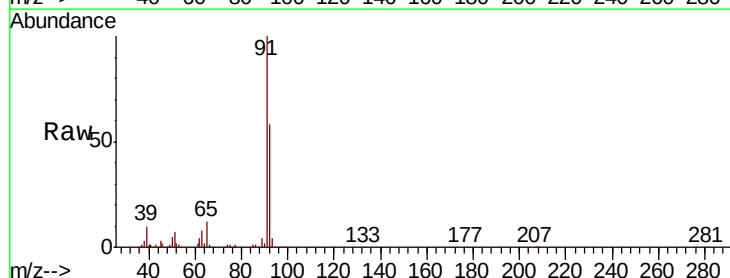
Acq: 31 Oct 2019 18:34

Tgt Ion: 92 Resp: 587240

Ion Ratio Lower Upper

92 100

91 174.5 138.9 208.3



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

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

10.15

600000

500000

400000

300000

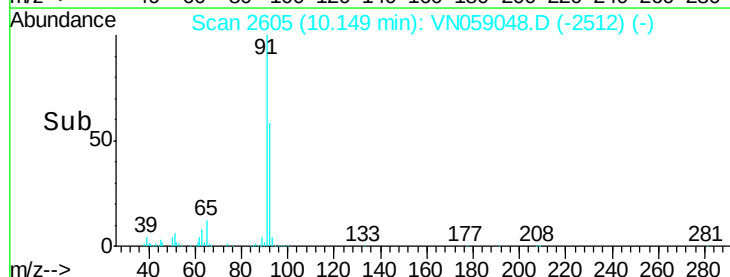
200000

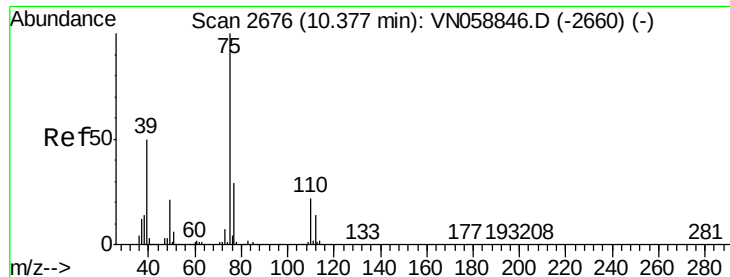
100000

0

Time-->

10.10 10.15 10.20





#53

t-1,3-Dichloropropene

Concen: 53.556 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

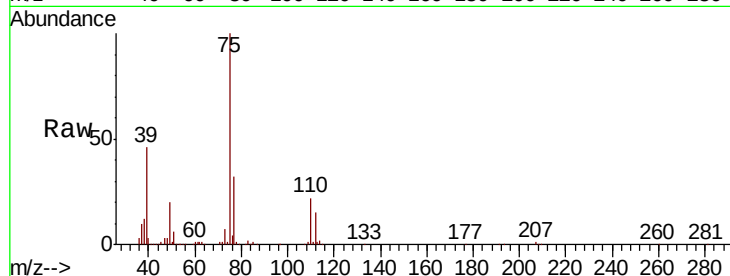
ClientSampleId :

Tot Ion: 75 Resp: 392851

Ion Ratio Lower Upper

75 100

77 31.9 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

250000

200000

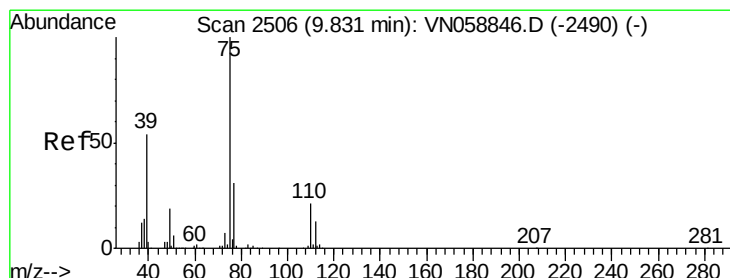
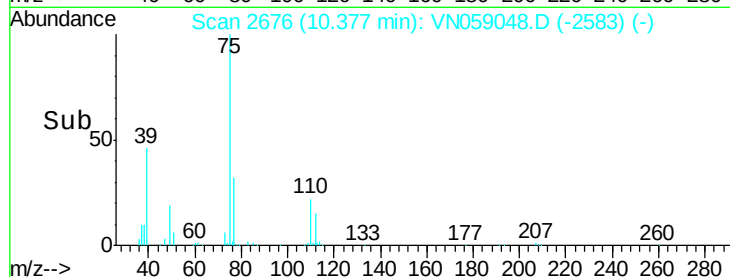
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 53.850 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

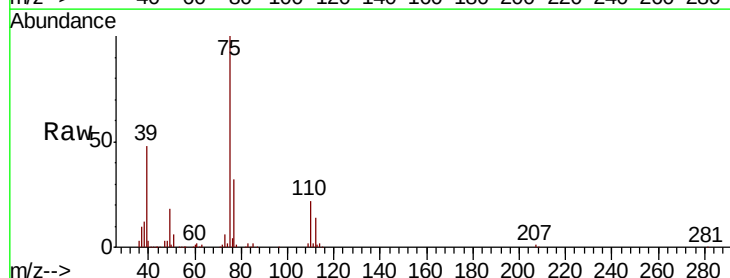
Tgt Ion: 75 Resp: 422014

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 47.7 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

300000

250000

200000

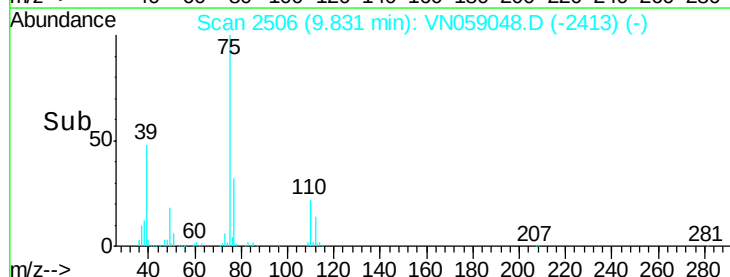
150000

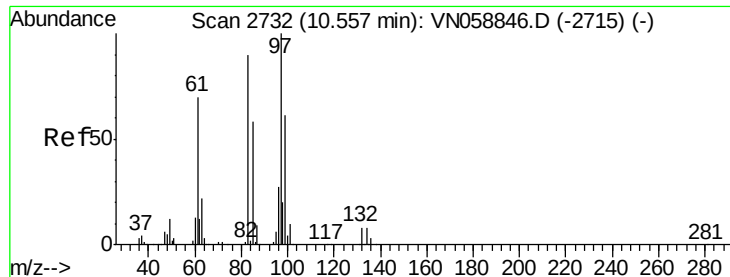
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 53.462 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 242215

Ion	Ratio	Lower	Upper
97	100		
83	91.8	72.2	108.4
85	58.2	46.2	69.2
99	63.6	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

200000

150000

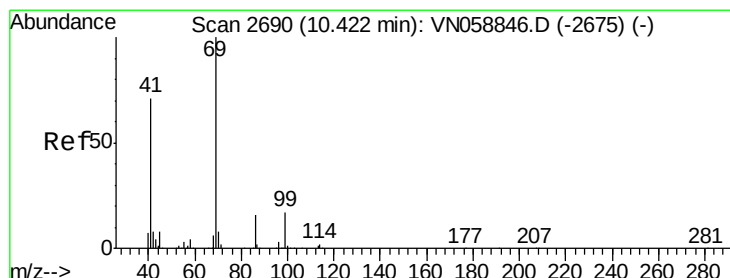
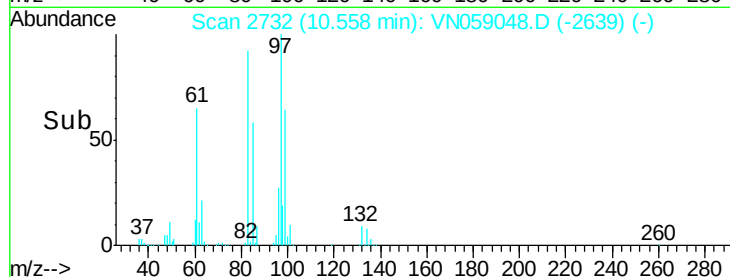
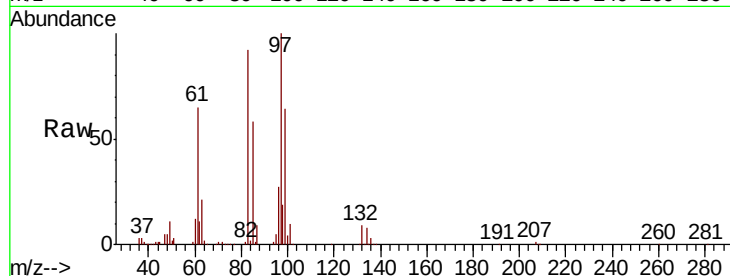
100000

50000

0

10.50 10.55 10.60

Time-->



#56

Ethyl methacrylate

Concen: 52.565 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Tgt Ion: 69 Resp: 400896

Ion	Ratio	Lower	Upper
69	100		
41	67.7	57.2	85.8
39	33.2	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

300000

250000

200000

150000

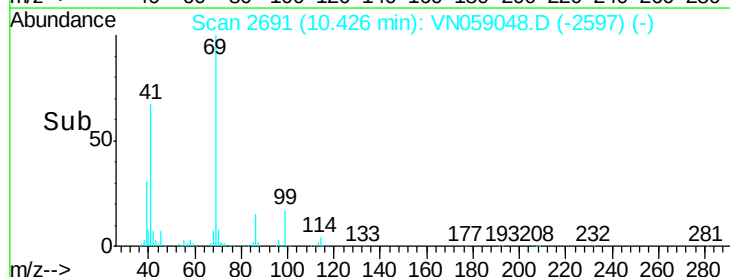
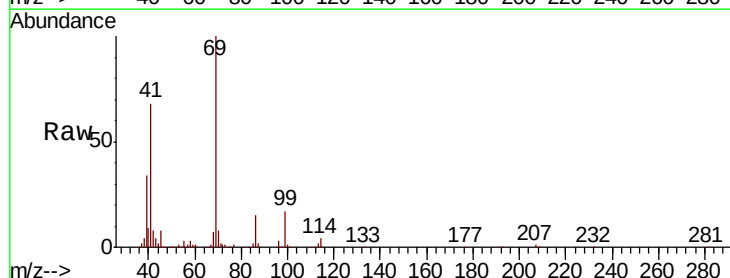
100000

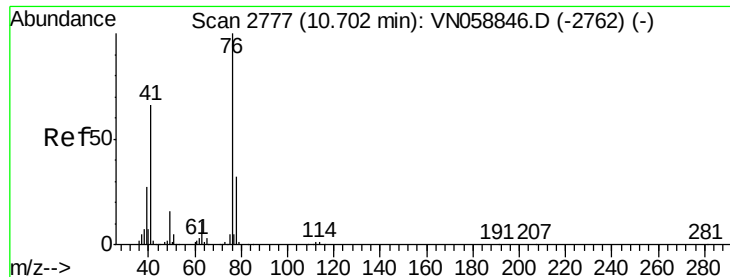
50000

0

10.35 10.40 10.45 10.50

Time-->

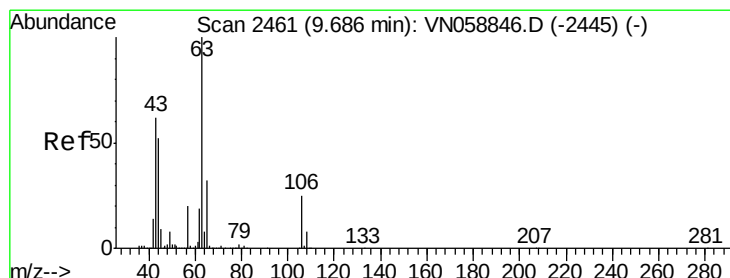
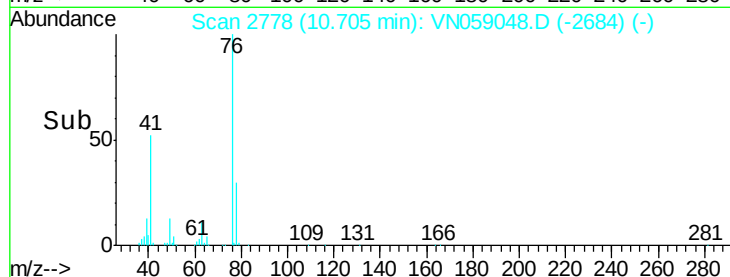
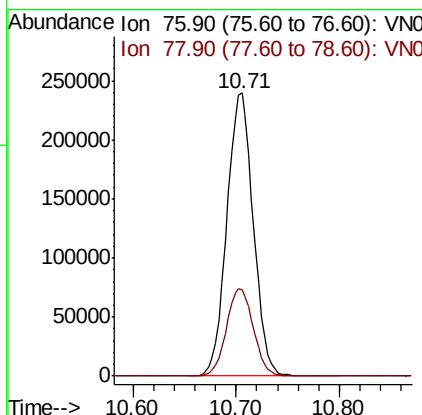
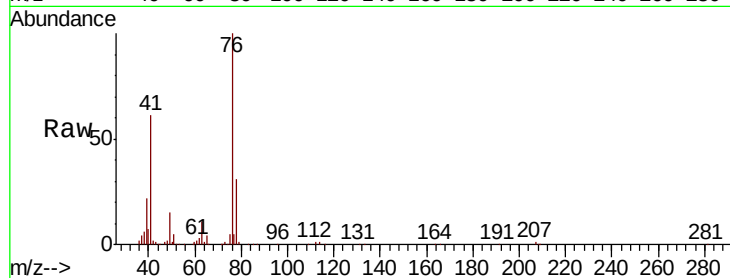




#57
 1,3-Dichloropropane
 Concen: 53.800 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

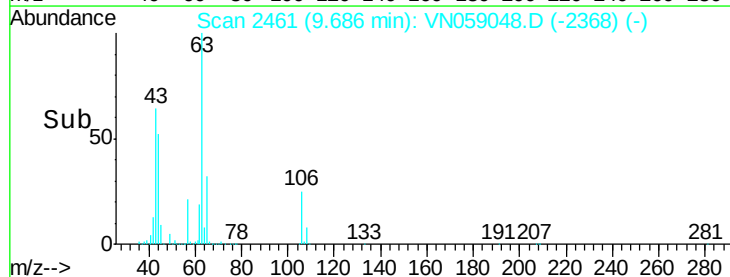
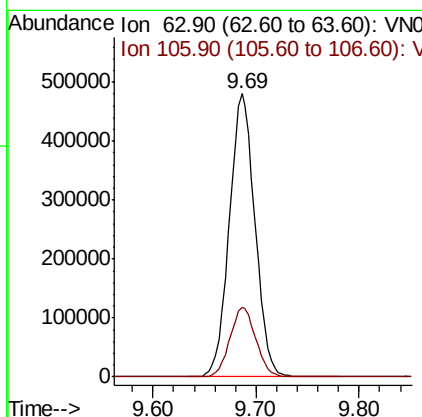
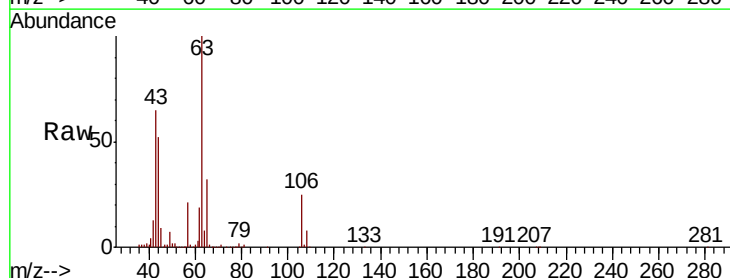
Instrument :
 MSVOA_N
 ClientSampled :

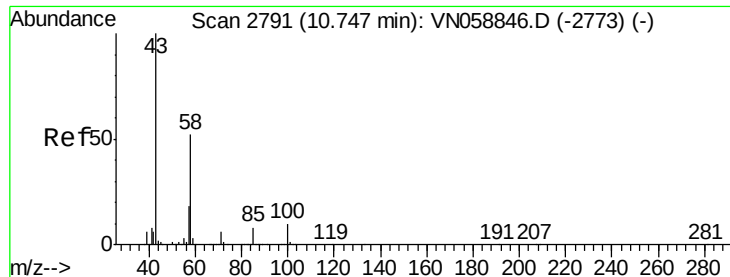
Tot Ion: 76 Resp: 427803
 Ion Ratio Lower Upper
 76 100
 78 31.4 25.4 38.0



#58
 2-Chloroethyl Vinyl ether
 Concen: 258.796 ug/l
 RT: 9.69 min Scan# 2461
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion: 63 Resp: 832348
 Ion Ratio Lower Upper
 63 100
 106 24.8 19.8 29.8

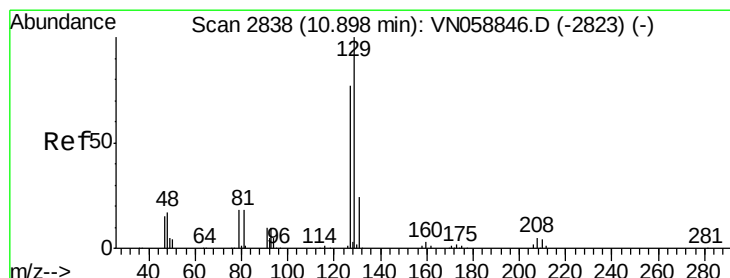
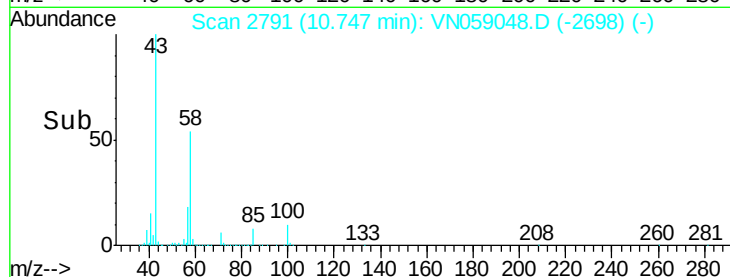
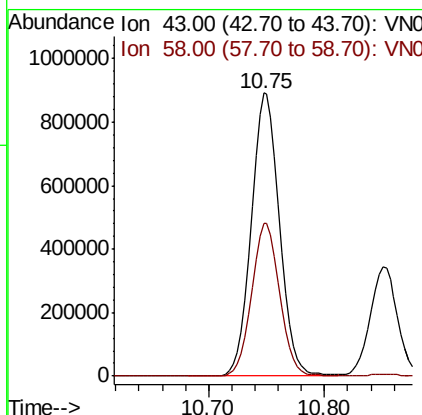
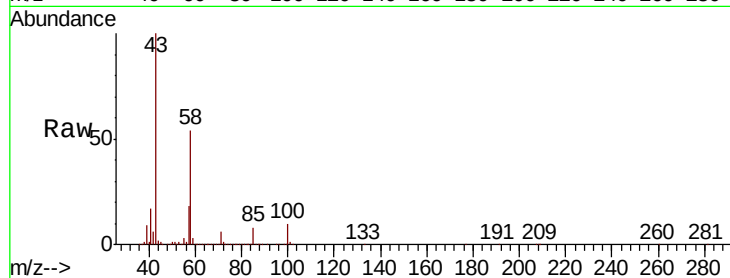




#59
2-Hexanone
Concen: 303.575 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

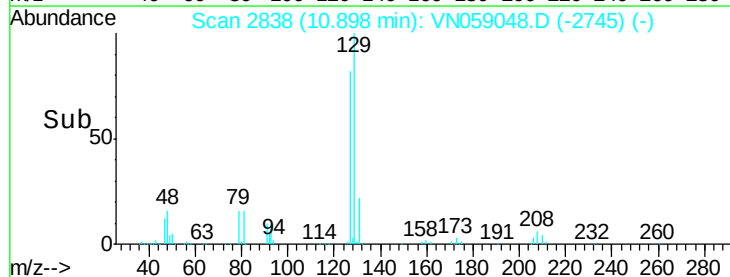
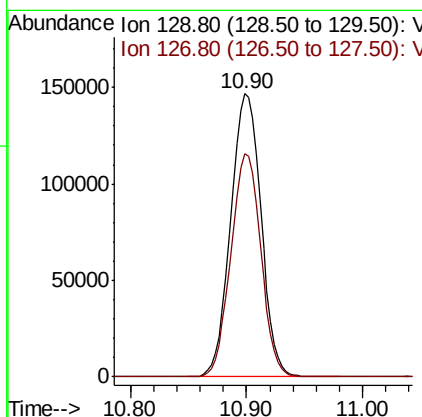
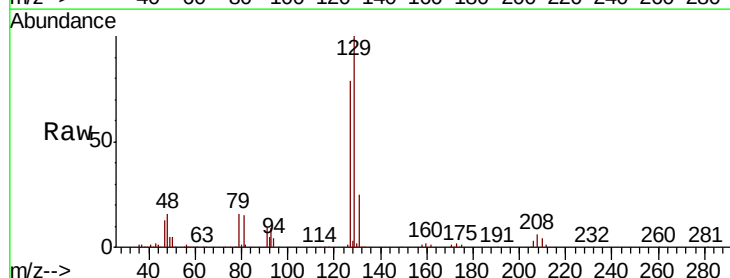
Instrument :
MSVOA_N
ClientSampled :

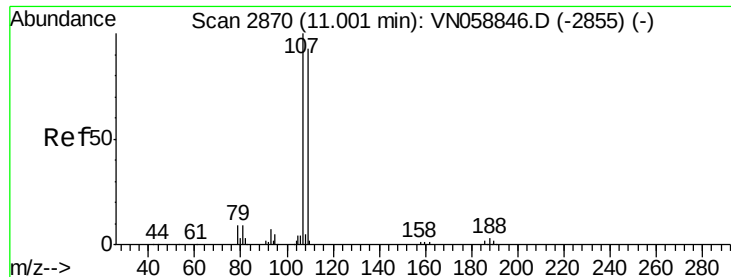
Tot Ion: 43 Resp: 1512221
Ion Ratio Lower Upper
43 100
58 54.0 25.9 77.7



#60
Dibromochloromethane
Concen: 54.439 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 129 Resp: 265476
Ion Ratio Lower Upper
129 100
127 77.8 39.1 117.3

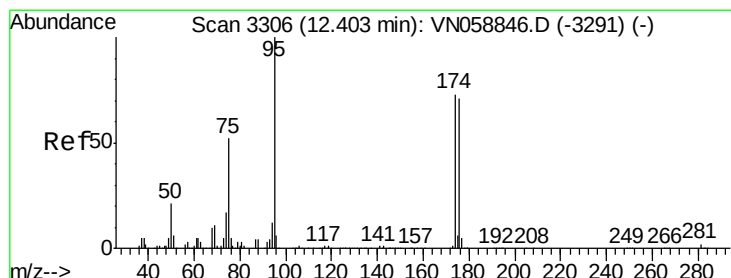
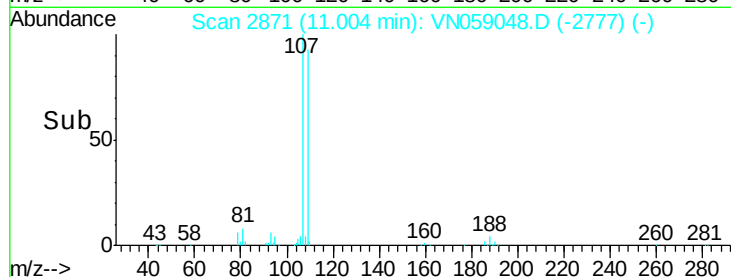
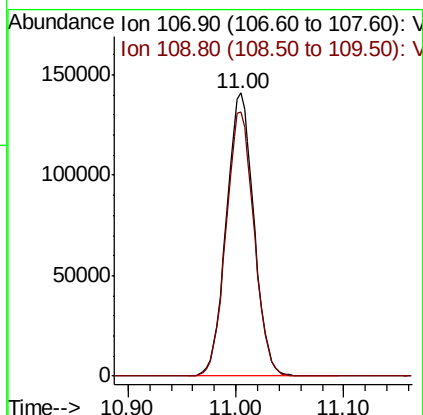
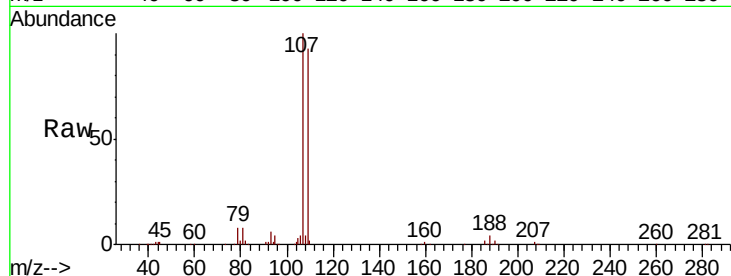




#61
 1,2-Dibromoethane
 Concen: 54.211 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

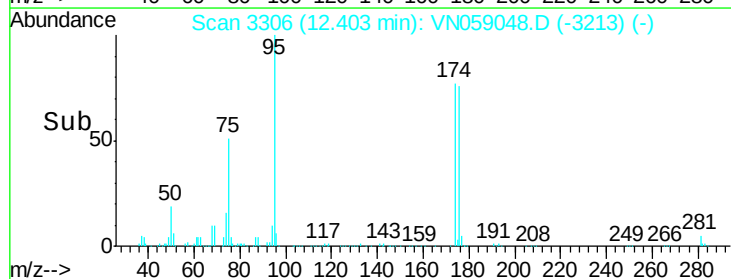
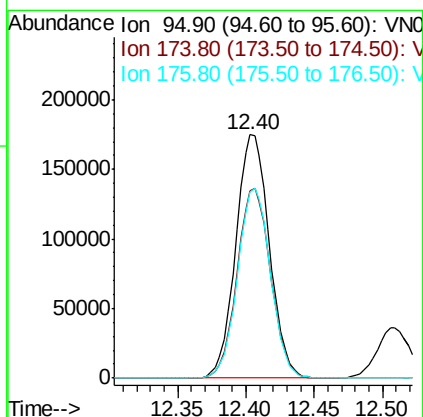
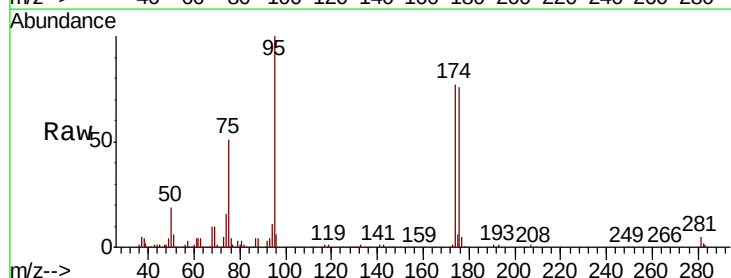
Instrument :
 MSVOA_N
 ClientSampleId :

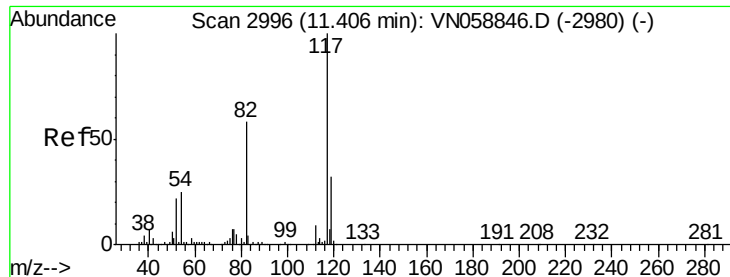
Tot Ion: 107 Resp: 251353
 Ion Ratio Lower Upper
 107 100
 109 94.5 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 51.565 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion: 95 Resp: 298138
 Ion Ratio Lower Upper
 95 100
 174 78.1 0.0 147.6
 176 76.7 0.0 143.2

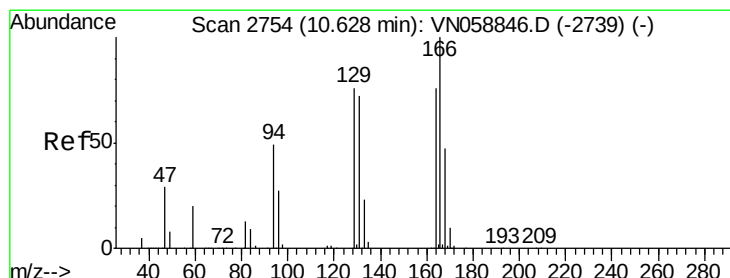
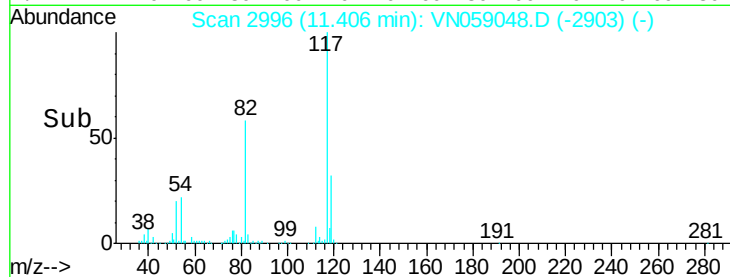
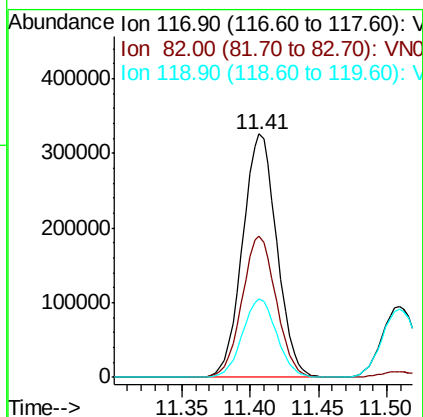
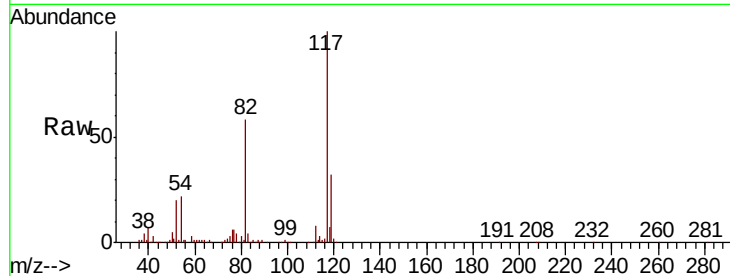




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

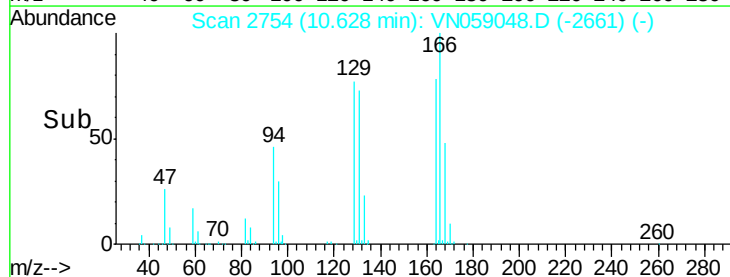
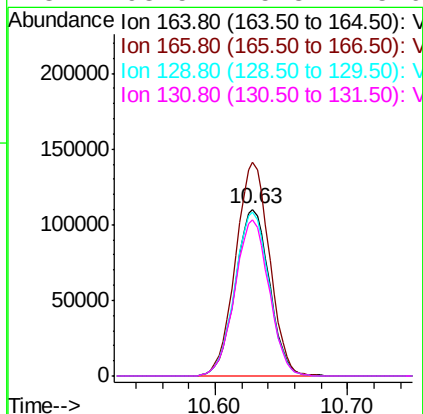
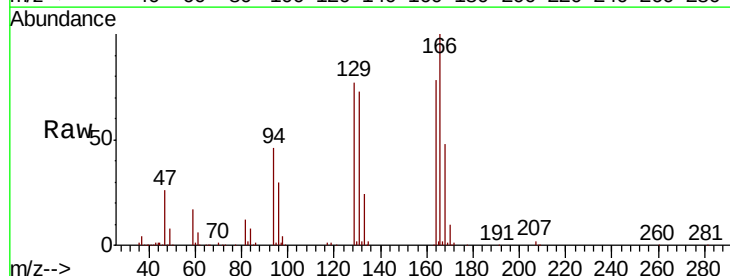
Instrument :
MSVOA_N
ClientSampleId :

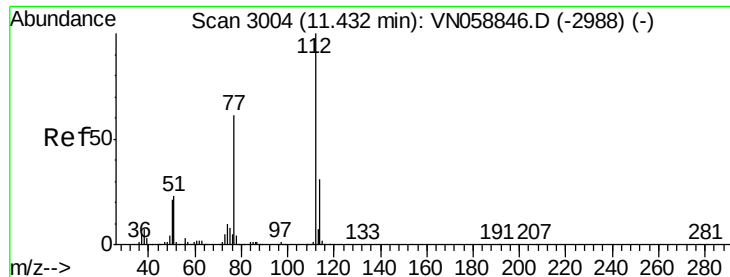
Tot Ion	Ratio	Lower	Upper
117	100		
82	58.1	46.6	69.8
119	32.1	25.6	38.4



#64
Tetrachloroethene
Concen: 49.580 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
164	100		
166	128.1	104.8	157.2
129	98.3	79.3	118.9
131	93.5	75.8	113.6

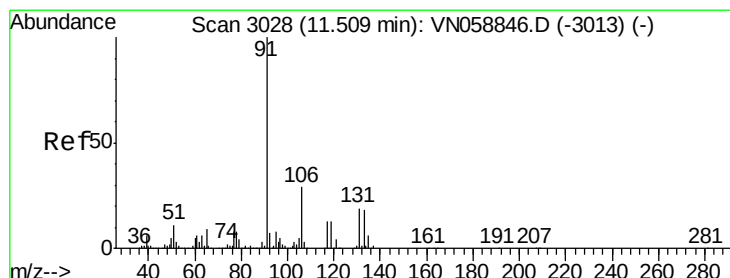
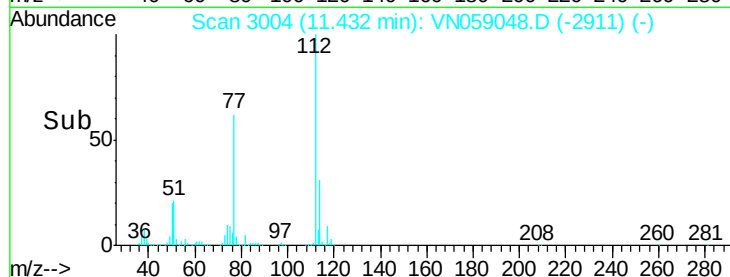
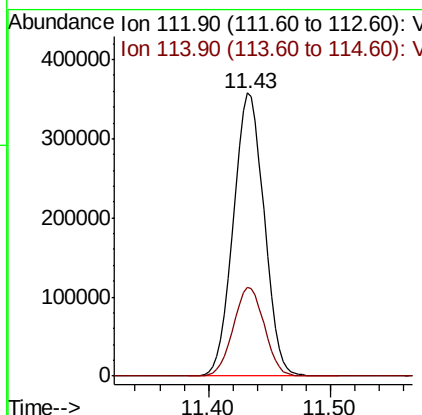
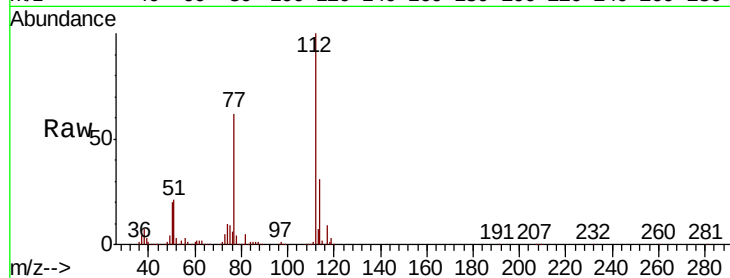




#65
Chlorobenzene
Concen: 54.086 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

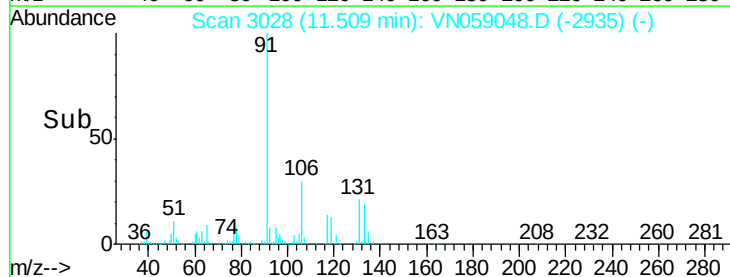
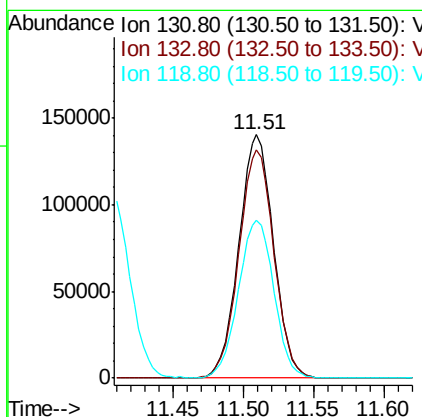
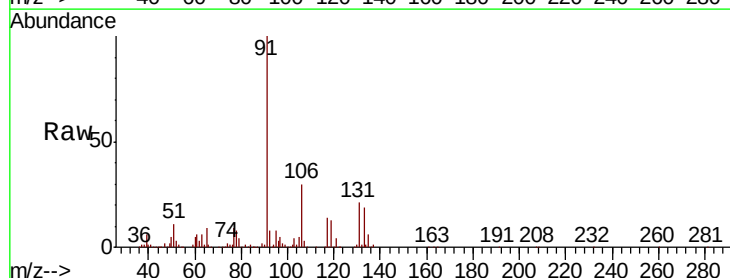
Instrument :
MSVOA_N
ClientSampled :

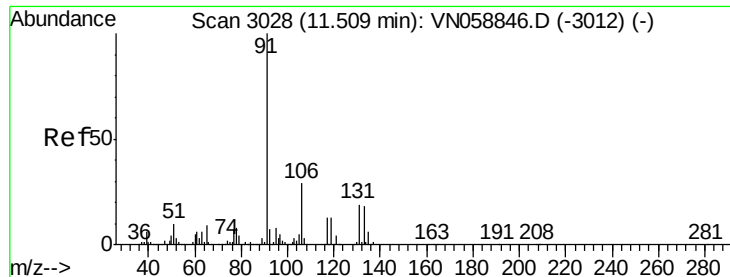
Tot Ion:112 Resp: 626087
Ion Ratio Lower Upper
112 100
114 31.2 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 55.293 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion:131 Resp: 241530
Ion Ratio Lower Upper
131 100
133 95.1 48.4 145.2
119 66.5 33.6 100.8





#67

Ethyl Benzene

Concen: 56.260 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

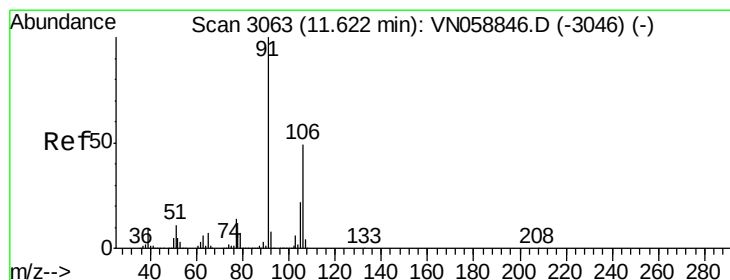
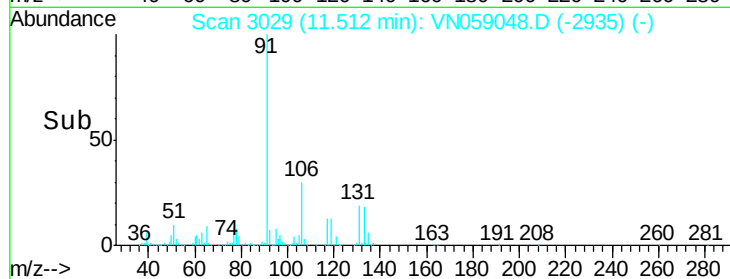
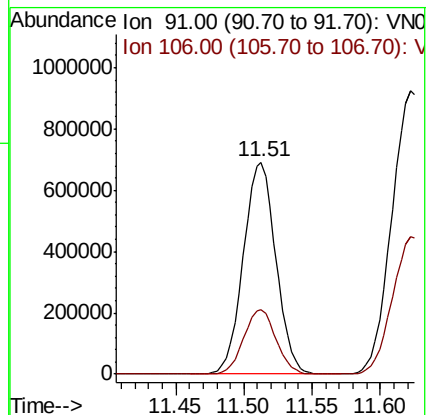
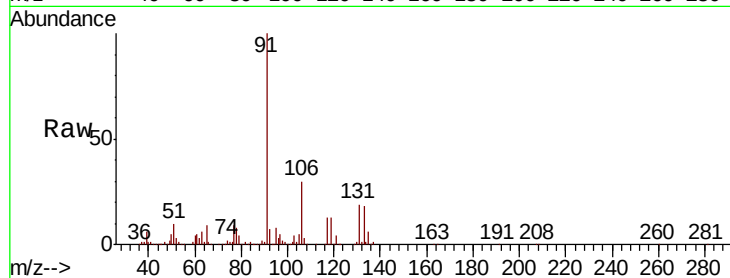
ClientSampleId :

Tot Ion: 91 Resp: 1142435

Ion Ratio Lower Upper

91 100

106 30.4 23.4 35.0



#68

m/p-Xylenes

Concen: 111.808 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN059048.D

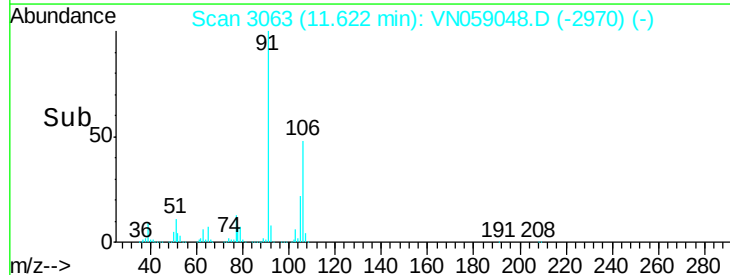
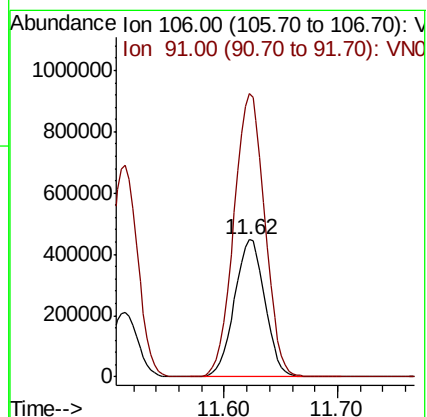
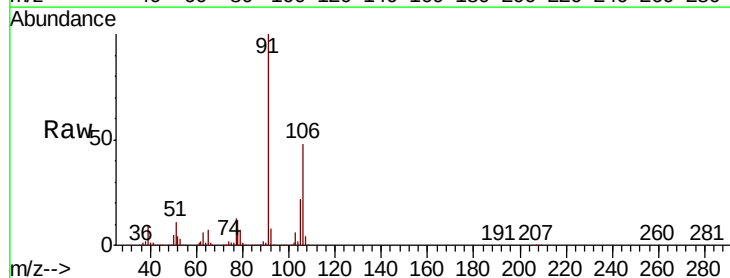
Acq: 31 Oct 2019 18:34

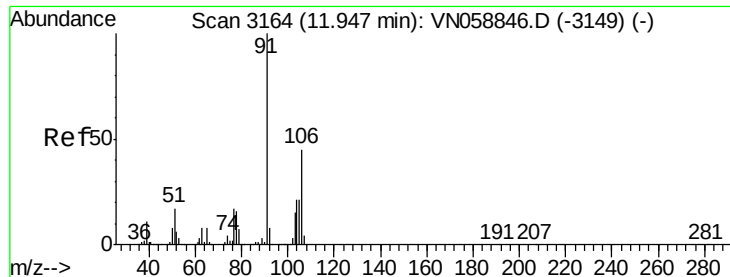
Tgt Ion: 106 Resp: 841978

Ion Ratio Lower Upper

106 100

91 208.5 166.6 249.8

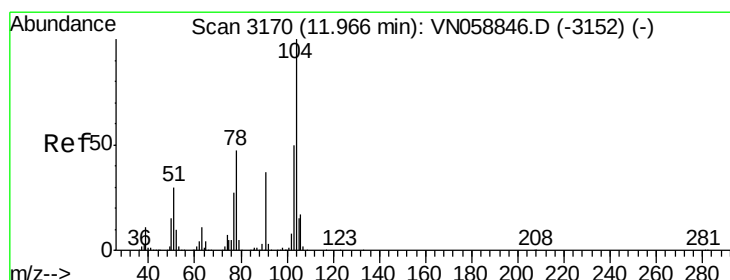
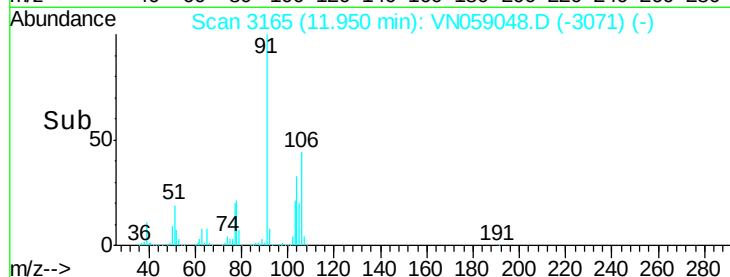
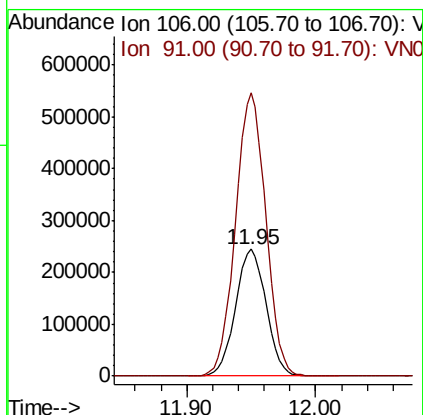
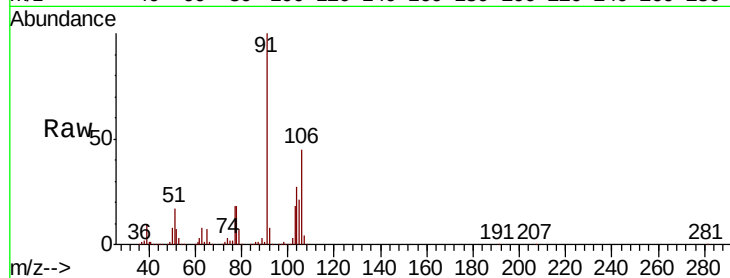




#69
o-Xylene
Concen: 56.033 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

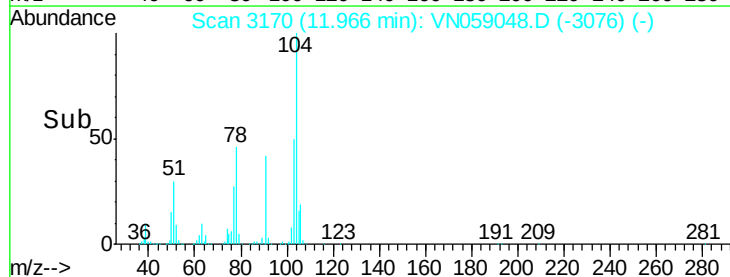
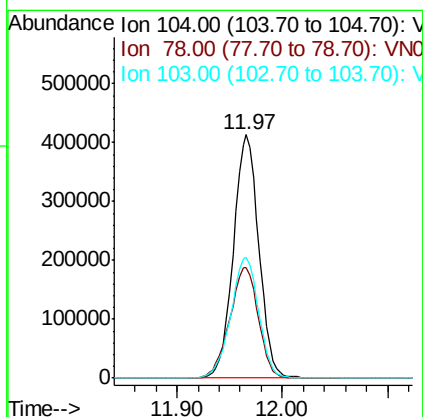
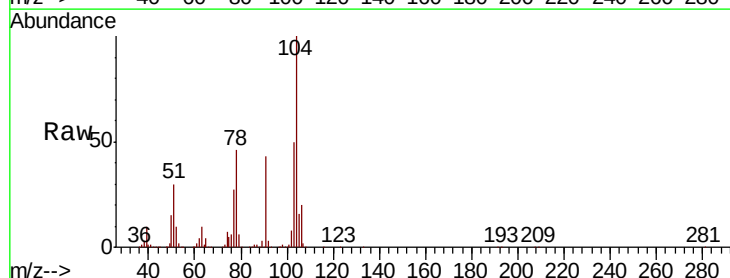
Instrument :
MSVOA_N
ClientSampled :

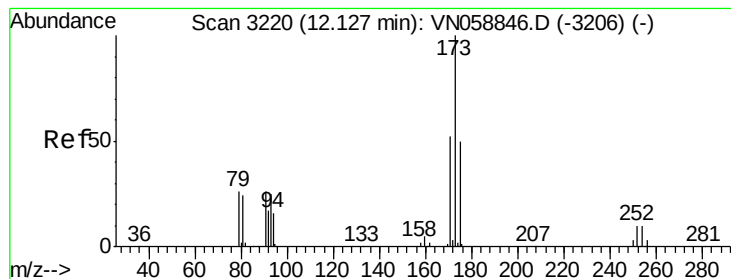
Tot Ion:106 Resp: 402439
Ion Ratio Lower Upper
106 100
91 221.5 111.5 334.4



#70
Styrene
Concen: 51.916 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion:104 Resp: 689168
Ion Ratio Lower Upper
104 100
78 51.3 42.8 64.2
103 54.5 44.3 66.5





#71

Bromoform

Concen: 57.905 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampled :

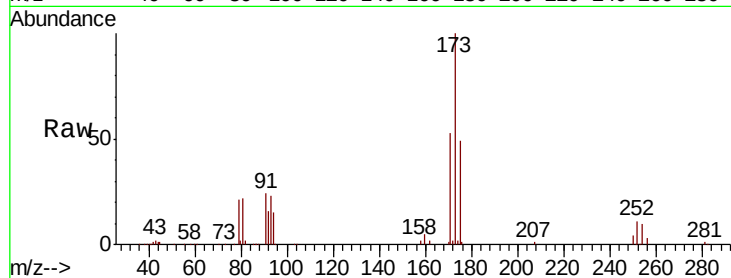
Tot Ion:173 Resp: 196142

Ion Ratio Lower Upper

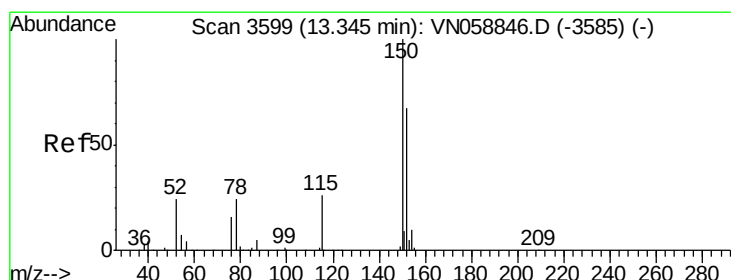
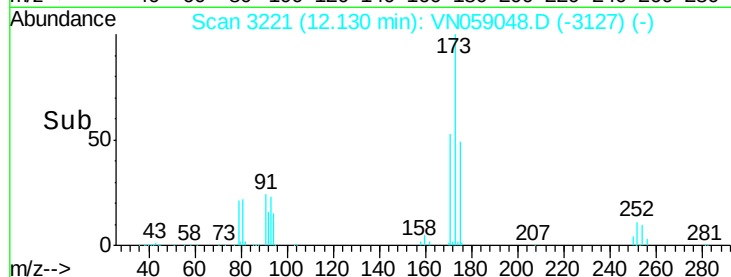
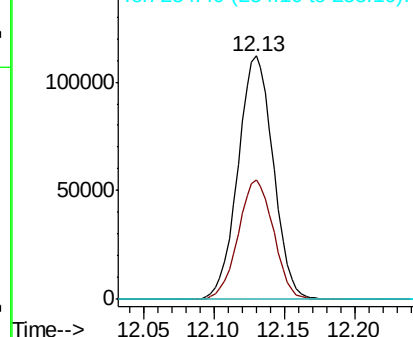
173 100

175 49.0 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: VN059048.D

Acq: 31 Oct 2019 18:34

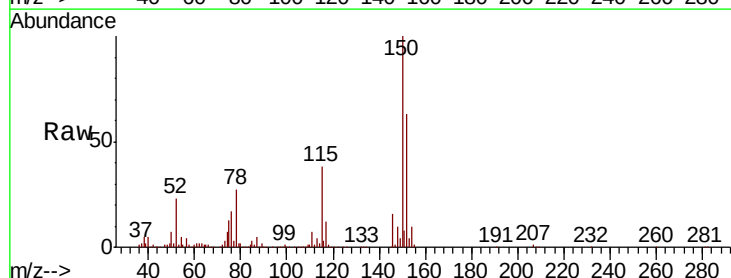
Tgt Ion:152 Resp: 280266

Ion Ratio Lower Upper

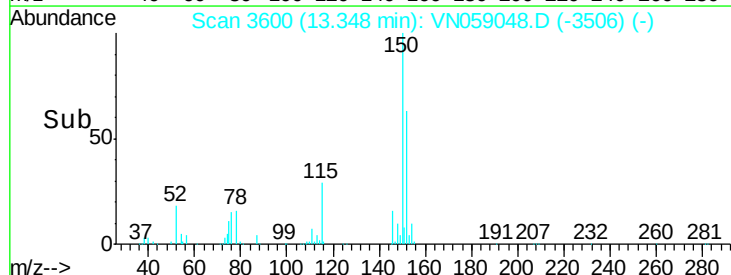
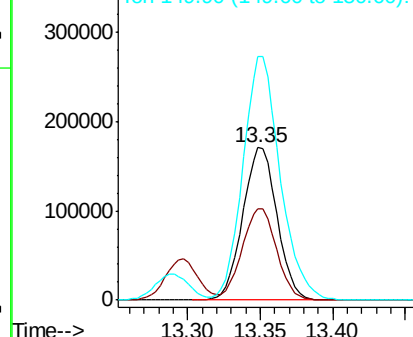
152 100

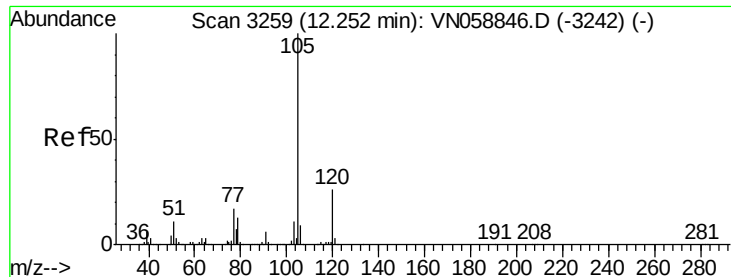
115 60.4 30.5 91.5

150 173.7 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: 53.723 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

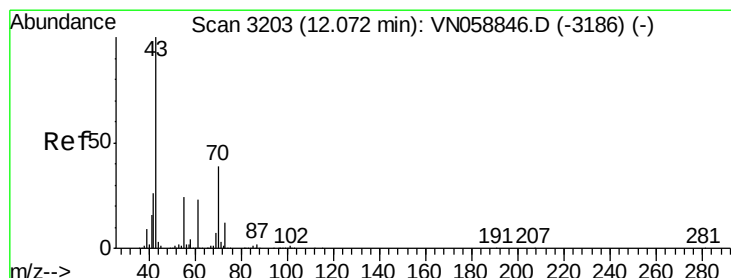
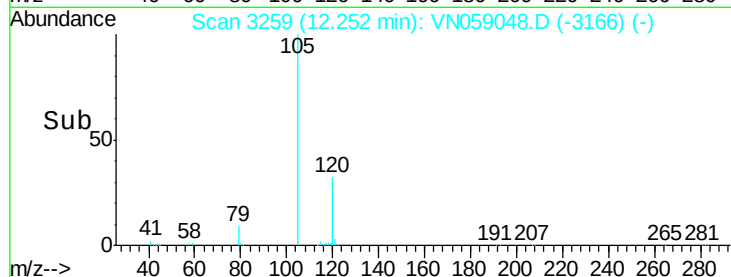
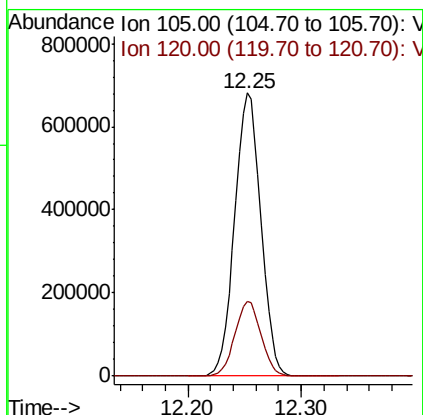
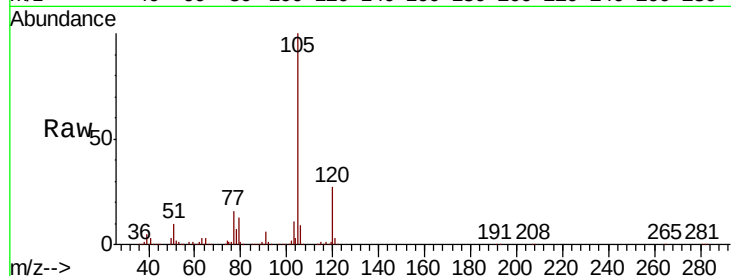
ClientSampleId :

Tot Ion:105 Resp: 1100374

Ion Ratio Lower Upper

105 100

120 26.3 12.8 38.4



#74

N-ethyl acetate

Concen: 58.085 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Tgt Ion: 43 Resp: 539363

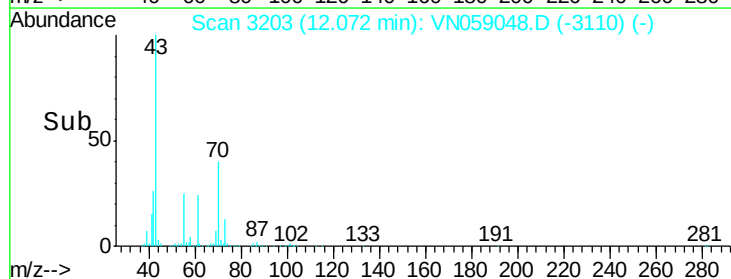
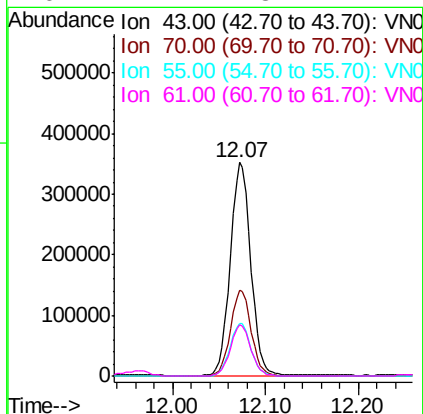
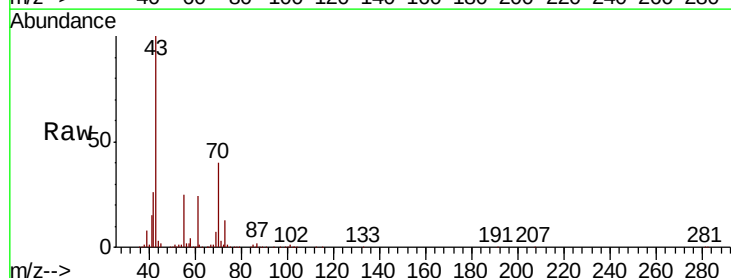
Ion Ratio Lower Upper

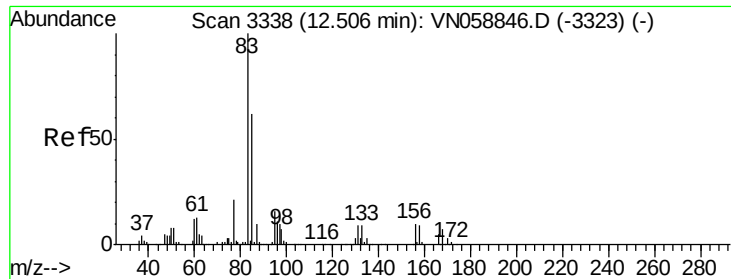
43 100

70 40.4 30.9 46.3

55 25.1 19.7 29.5

61 24.1 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 55.076 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

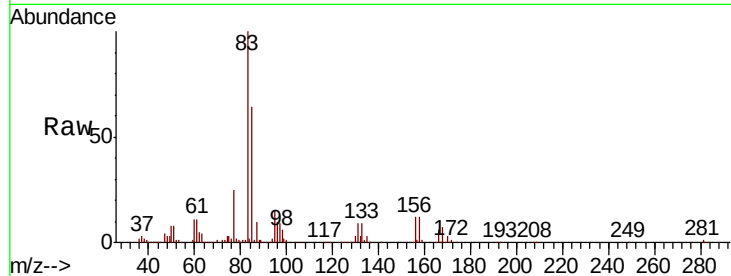
Tot Ion: 83 Resp: 396653

Ion	Ratio	Lower	Upper
83	100		
131	9.7	4.7	14.1
85	64.5	31.7	95.1

83 100

131 9.7 4.7 14.1

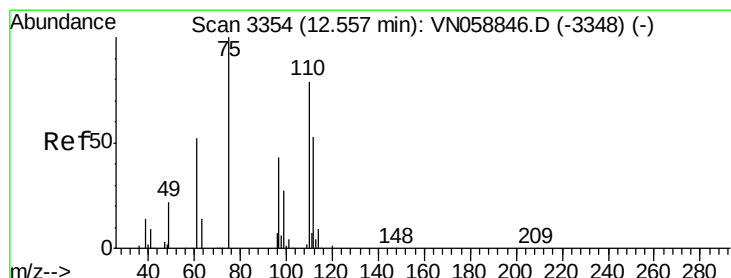
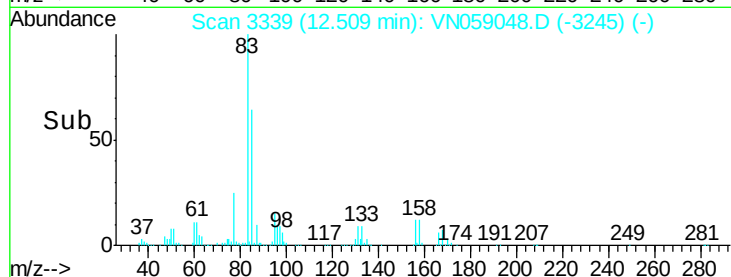
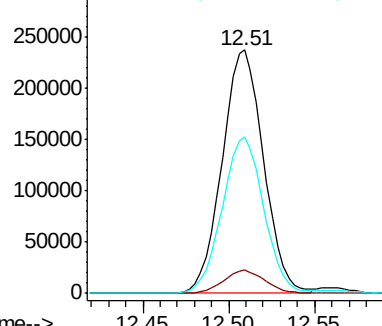
85 64.5 31.7 95.1



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



#76

1,2,3-Trichloropropane

Concen: 80.186 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN059048.D

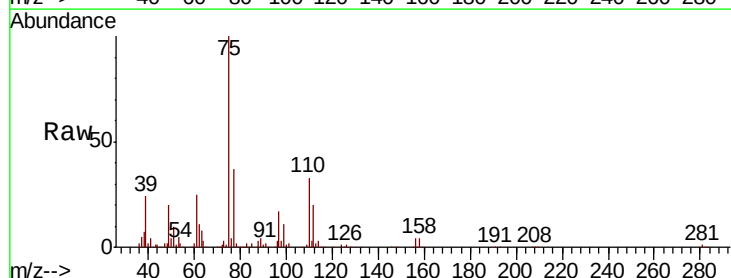
Acq: 31 Oct 2019 18:34

Tgt Ion: 75 Resp: 520845

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

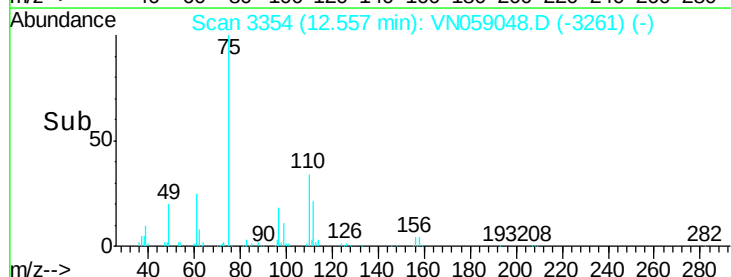
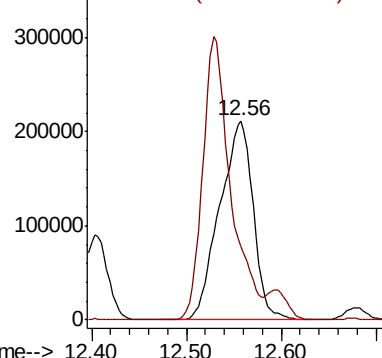
75 100

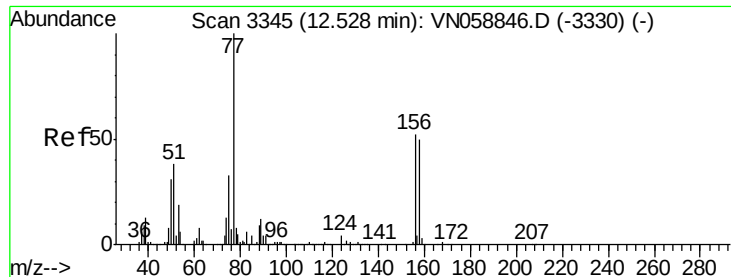
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 53.249 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

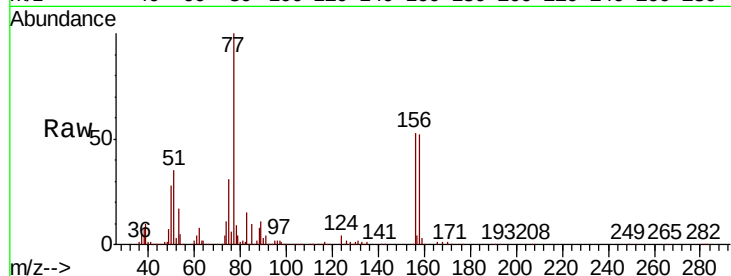
Tot Ion:156 Resp: 268826

Ion Ratio Lower Upper

156 100

77 229.8 118.0 354.0

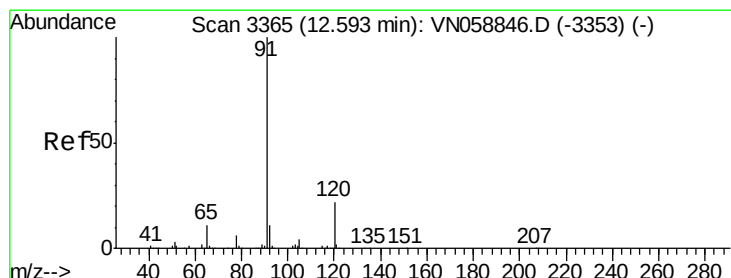
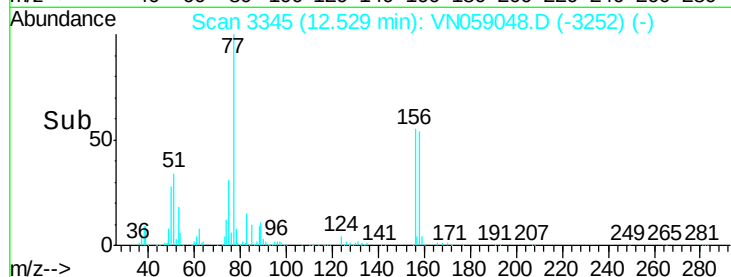
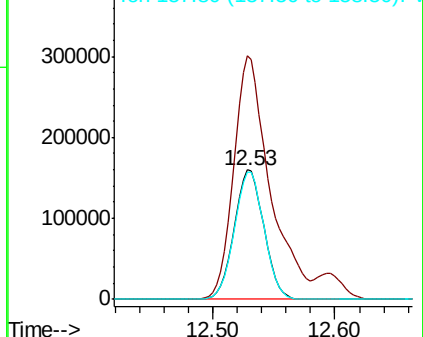
158 98.6 48.3 144.8



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: 54.427 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN059048.D

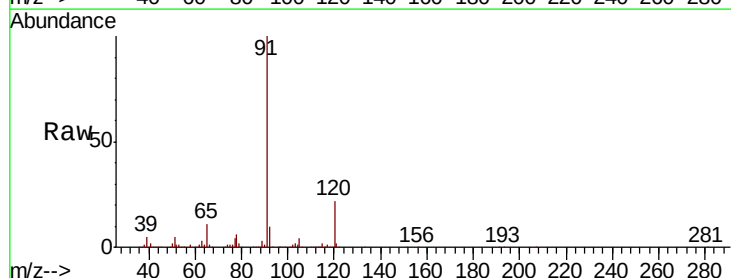
Acq: 31 Oct 2019 18:34

Tgt Ion: 91 Resp: 1317713

Ion Ratio Lower Upper

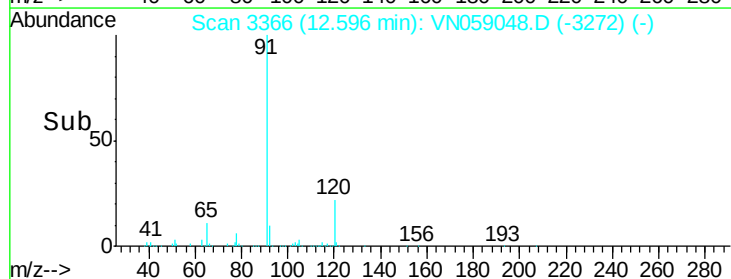
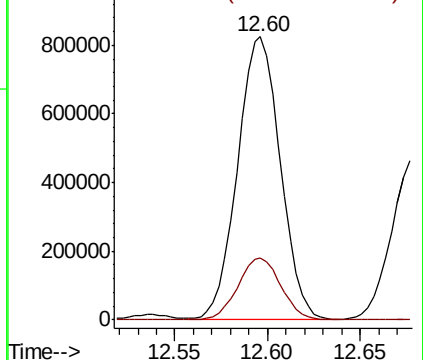
91 100

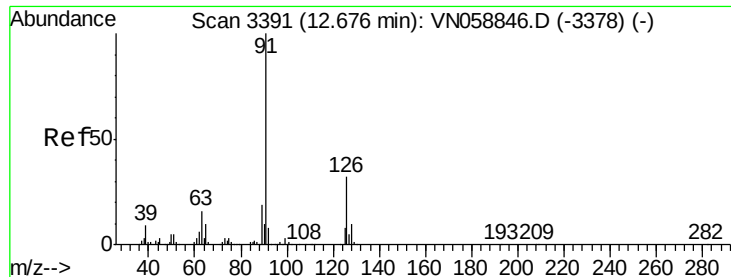
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

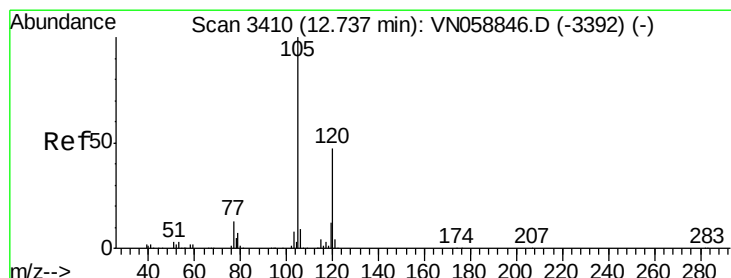
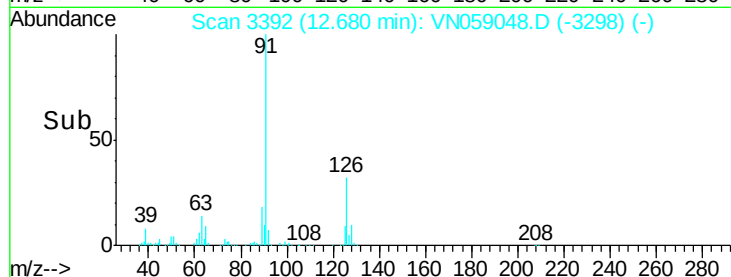
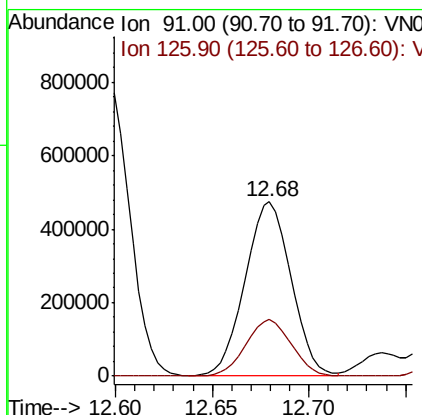
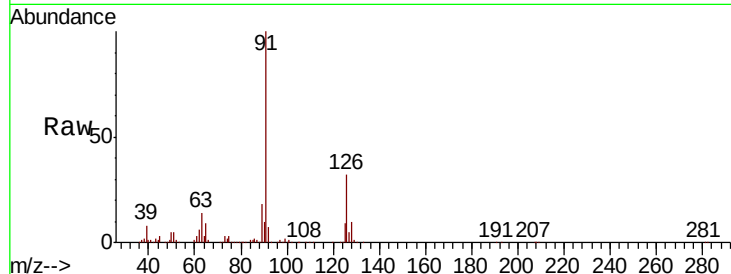




#79
 2-Chlorotoluene
 Concen: 53.128 ug/l
 RT: 12.68 min Scan# 3392
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

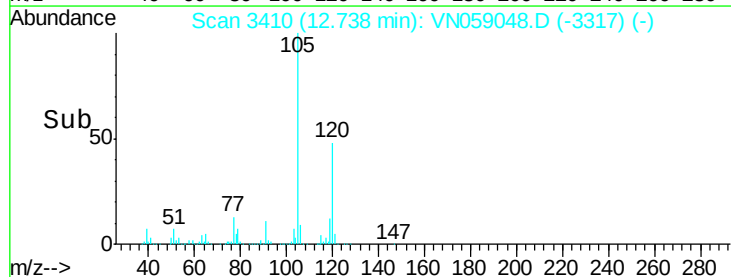
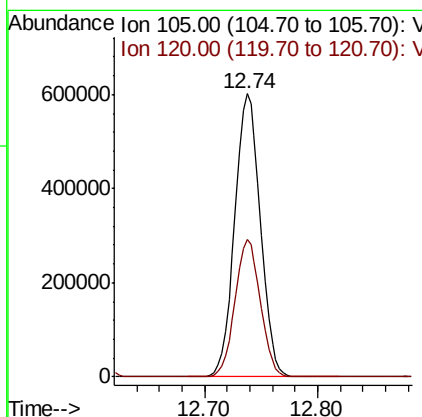
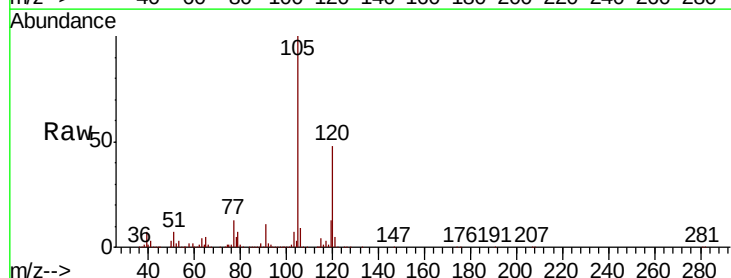
Instrument :
 MSVOA_N
 ClientSampleId :

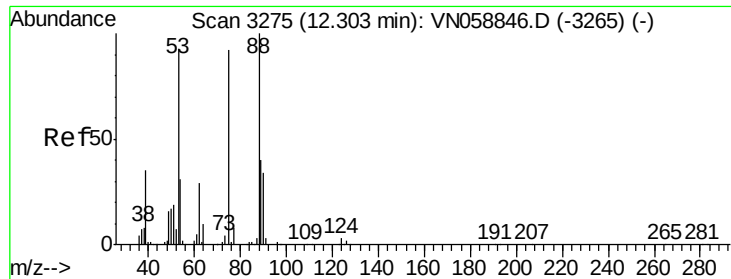
Tot Ion: 91 Resp: 787248
 Ion Ratio Lower Upper
 91 100
 126 32.2 16.2 48.6



#80
 1,3,5-Trimethylbenzene
 Concen: 54.991 ug/l
 RT: 12.74 min Scan# 3410
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion: 105 Resp: 946337
 Ion Ratio Lower Upper
 105 100
 120 48.0 23.8 71.5

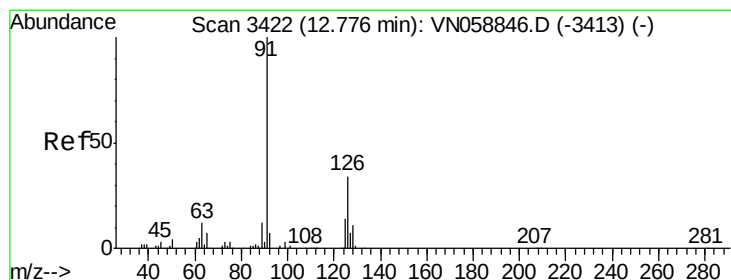
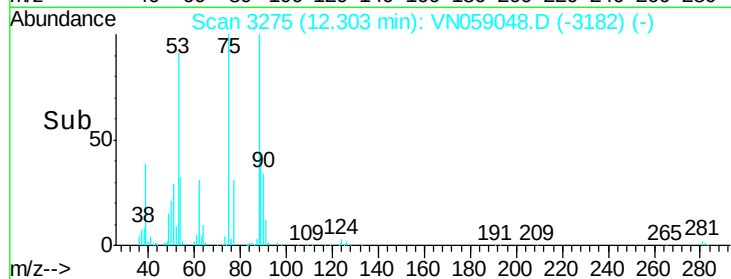
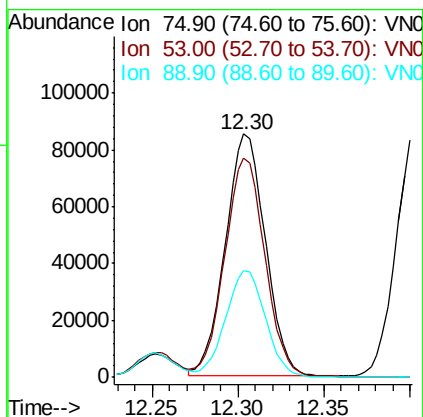
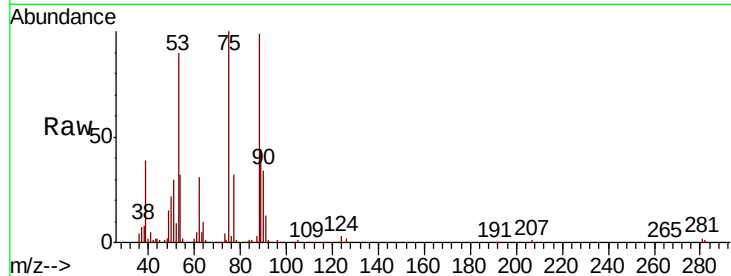




#81
trans-1,4-Dichloro-2-butene
Concen: 55.609 ug/l
RT: 12.30 min Scan# 3275
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

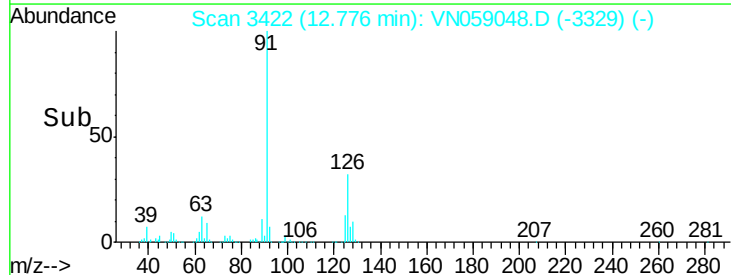
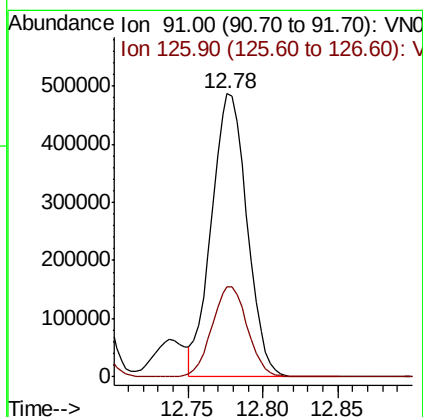
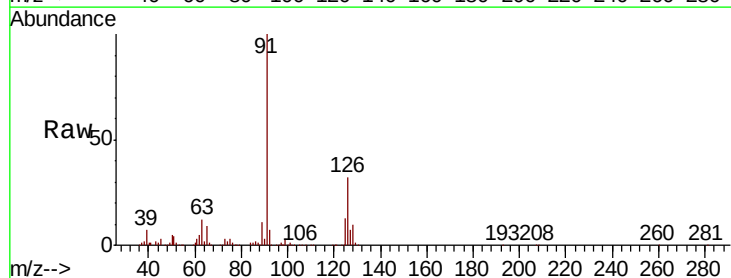
Instrument :
MSVOA_N
ClientSampled :

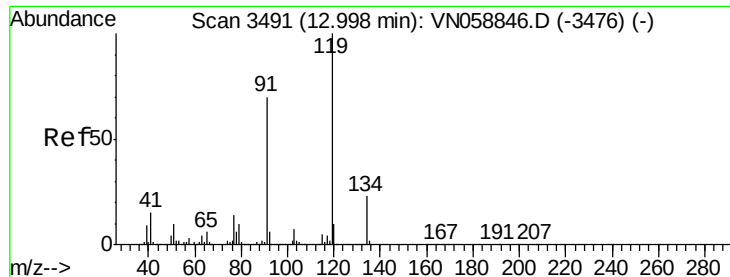
Tot Ion: 75 Resp: 138655
Ion Ratio Lower Upper
75 100
53 91.7 78.6 118.0
89 44.2 35.4 53.0



#82
4-Chlorotoluene
Concen: 53.052 ug/l
RT: 12.78 min Scan# 3422
Delta R.T. 0.00 min
Lab File: VN059048.D
Acq: 31 Oct 2019 18:34

Tgt Ion: 91 Resp: 803362
Ion Ratio Lower Upper
91 100
126 31.9 16.0 47.9

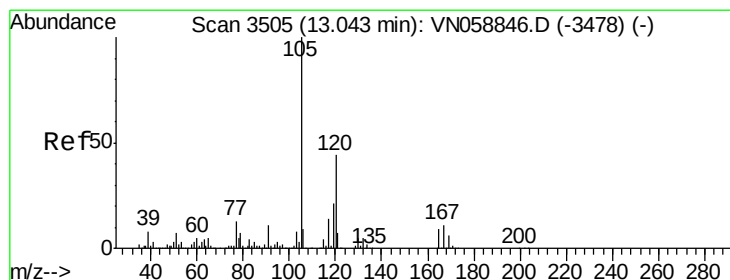
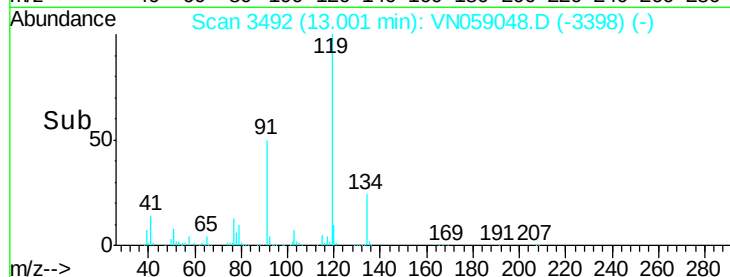
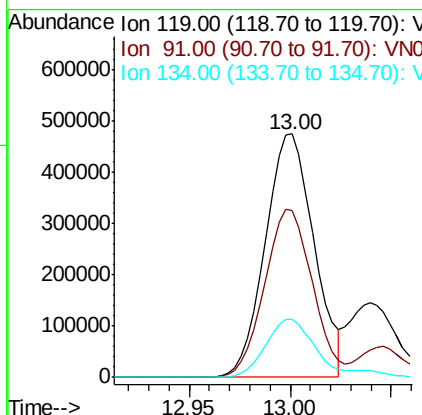
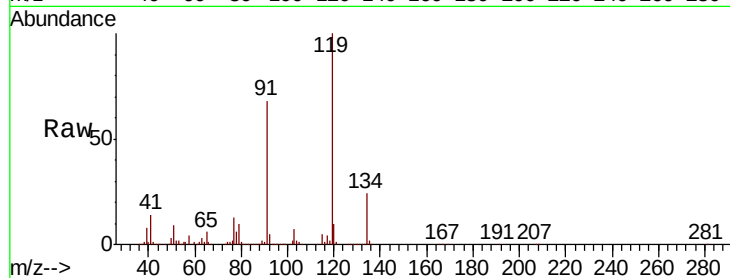




#83
 tert-Butylbenzene
 Concen: 54.214 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

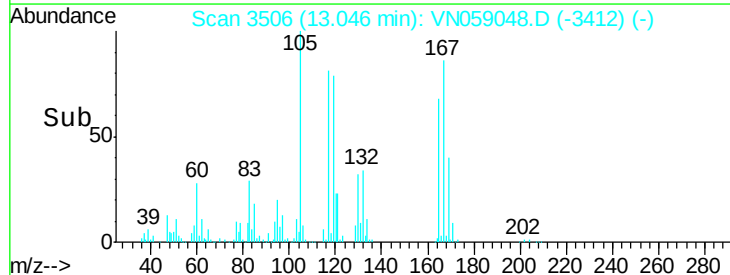
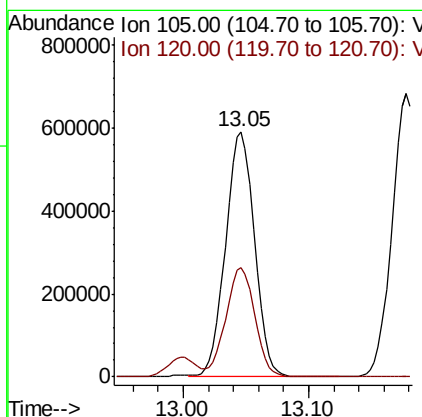
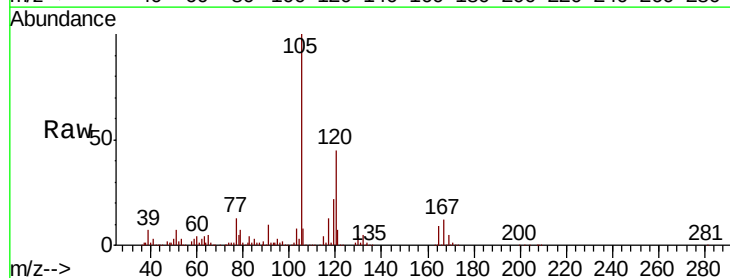
Instrument :
 MSVOA_N
 ClientSampled :

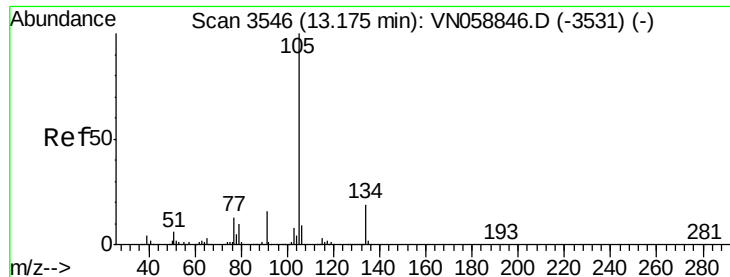
Tot Ion:119 Resp: 797804
 Ion Ratio Lower Upper
 119 100
 91 67.5 34.1 102.3
 134 23.9 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 55.573 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion:105 Resp: 943287
 Ion Ratio Lower Upper
 105 100
 120 44.6 21.9 65.8





#85

sec-Butylbenzene

Concen: 55.250 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

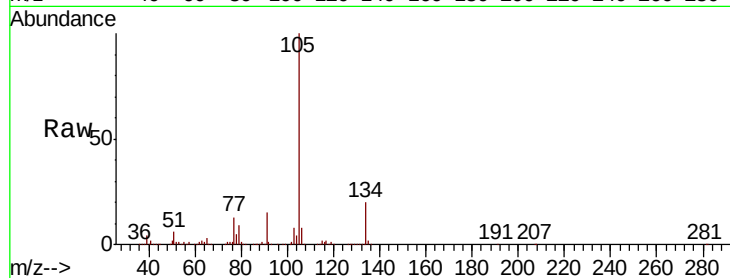
ClientSampleId :

Tot Ion:105 Resp: 1083991

Ion Ratio Lower Upper

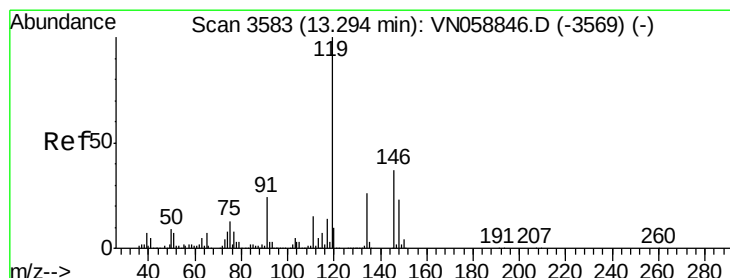
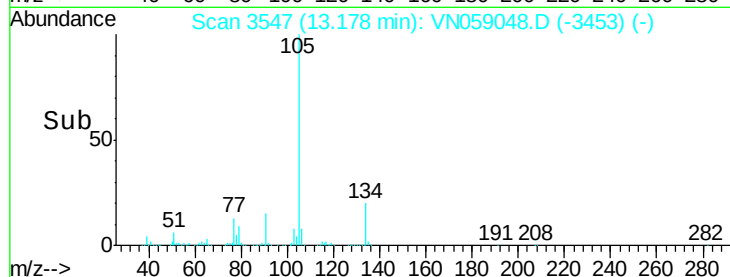
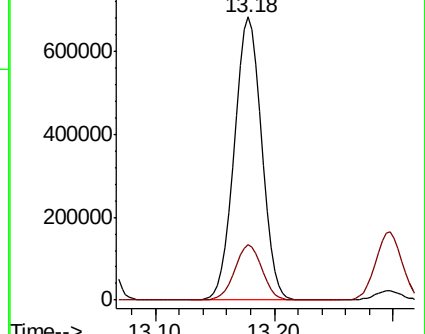
105 100

134 19.6 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: 56.524 ug/l

RT: 13.30 min Scan# 3584

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

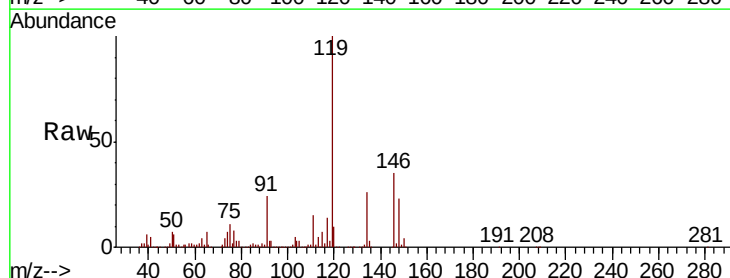
Tgt Ion:119 Resp: 978515

Ion Ratio Lower Upper

119 100

134 25.8 12.8 38.4

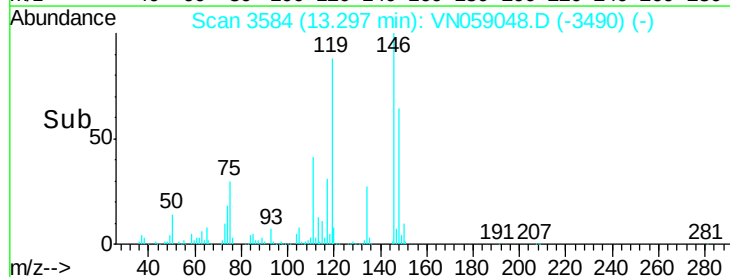
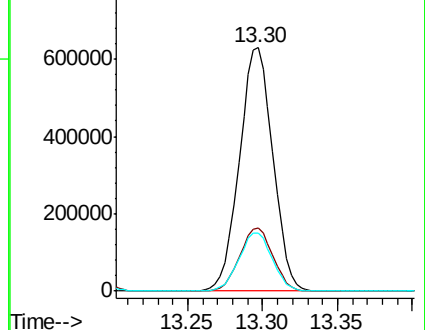
91 23.9 12.2 36.4

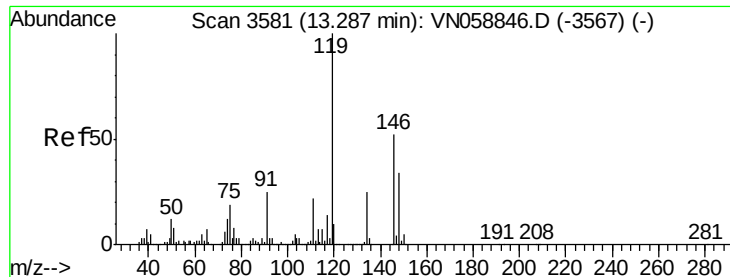


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

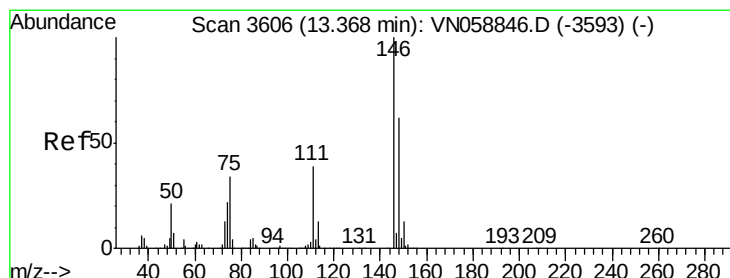
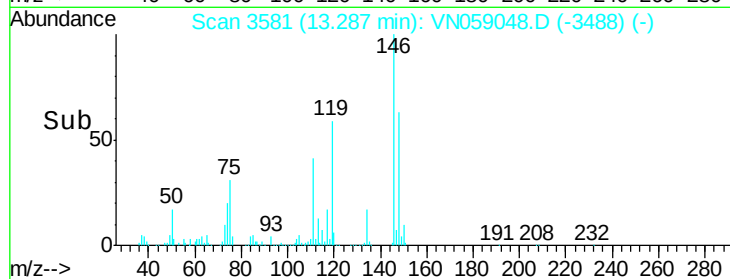
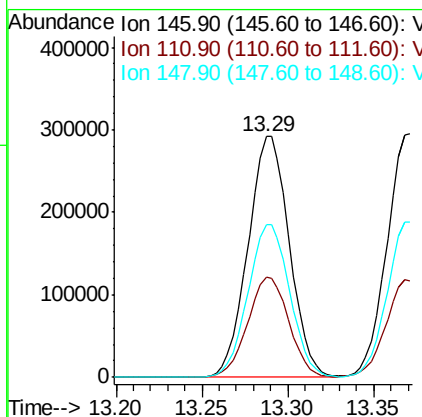
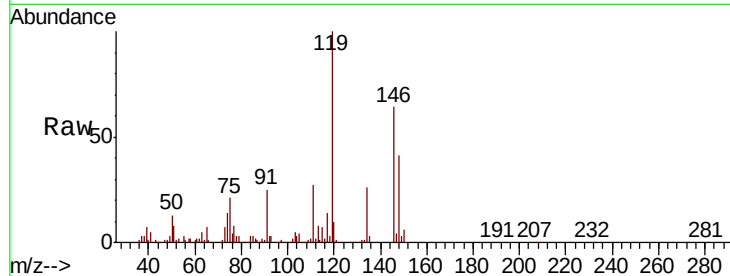




#87
 1,3-Dichlorobenzene
 Concen: 53.858 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

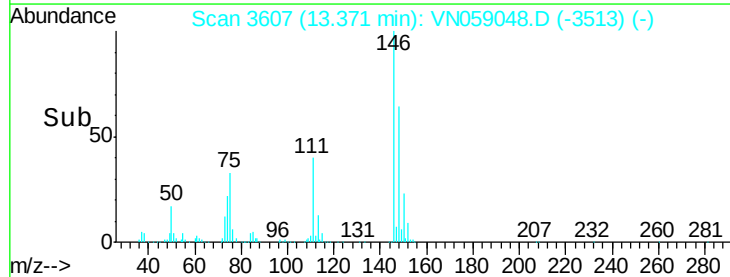
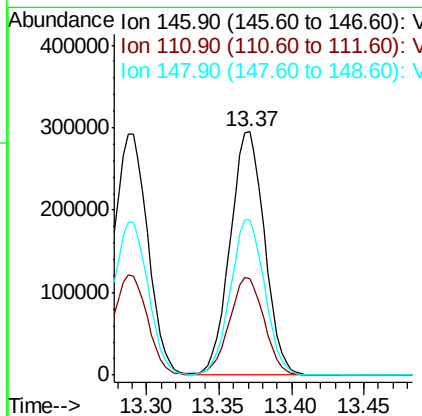
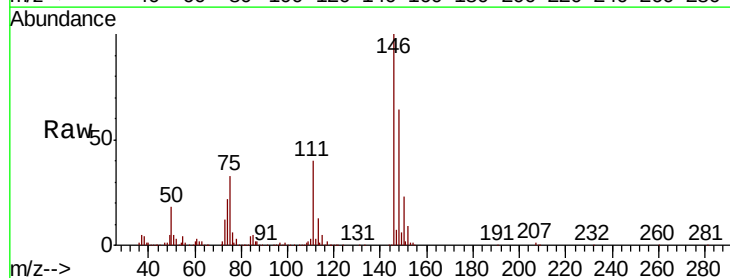
Instrument :
 MSVOA_N
 ClientSampled :

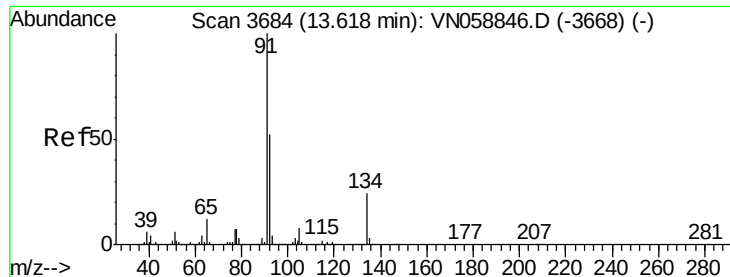
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	64.1	32.1	96.3



#88
 1,4-Dichlorobenzene
 Concen: 53.519 ug/l
 RT: 13.37 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.2	60.6
148	63.9	31.6	94.7





#89

n-Butylbenzene

Concen: 54.667 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

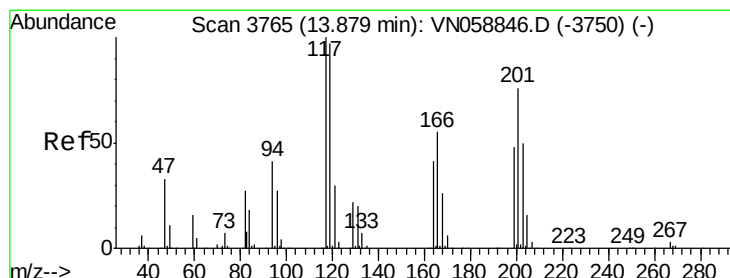
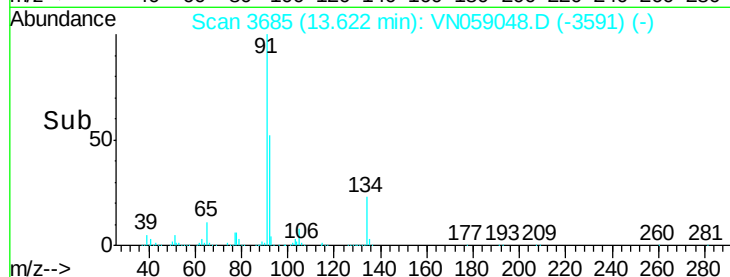
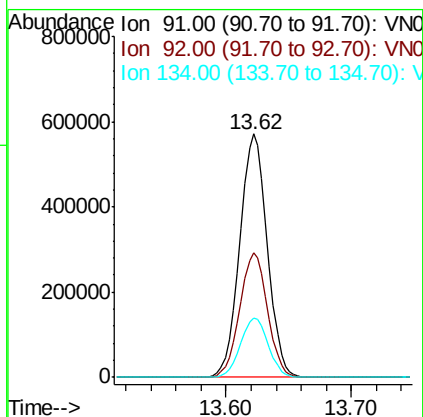
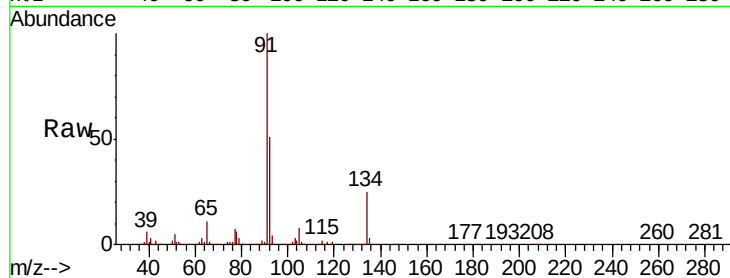
Tot Ion: 91 Resp: 869354

Ion Ratio Lower Upper

91 100

92 51.6 25.7 77.1

134 24.7 11.9 35.5



#90

Hexachloroethane

Concen: 52.537 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN059048.D

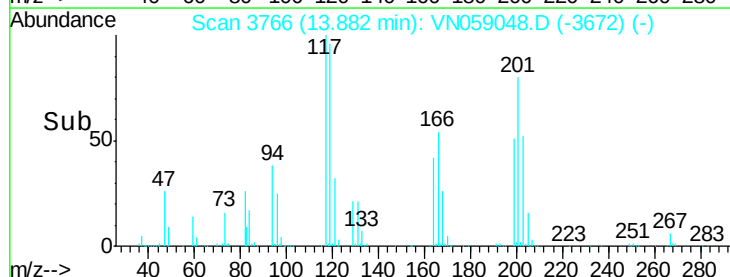
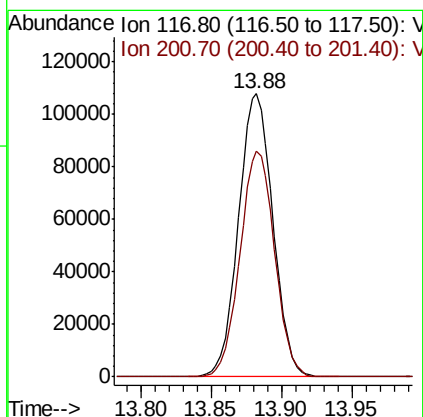
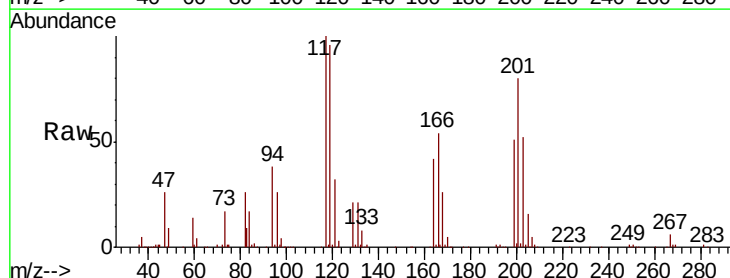
Acq: 31 Oct 2019 18:34

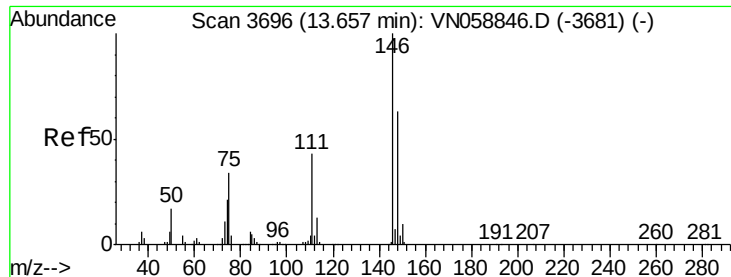
Tgt Ion: 117 Resp: 184295

Ion Ratio Lower Upper

117 100

201 80.3 38.9 116.6

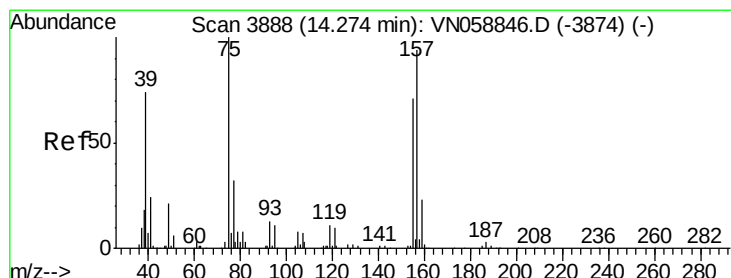
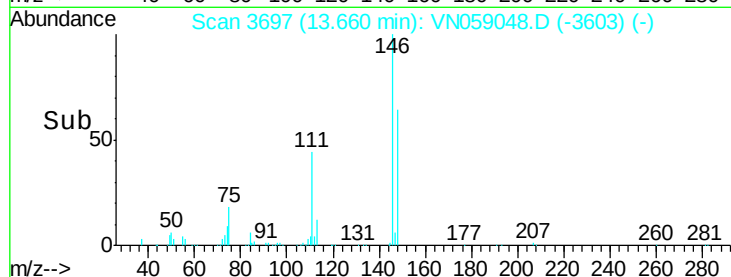
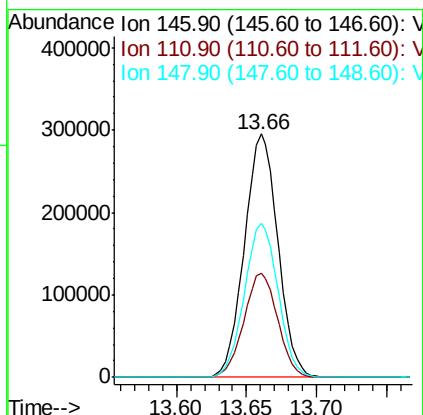
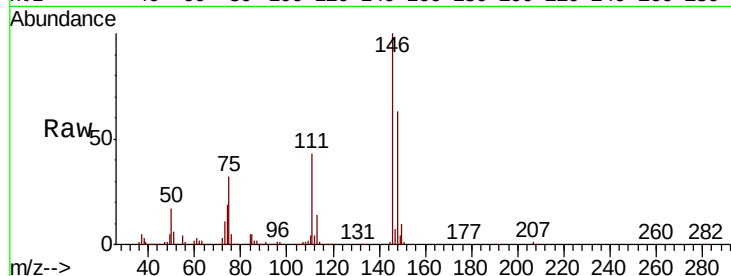




#91
 1,2-Dichlorobenzene
 Concen: 55.459 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

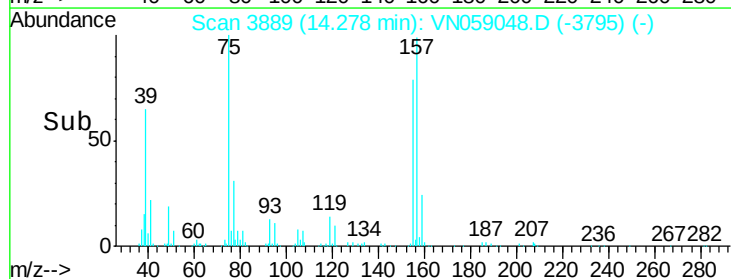
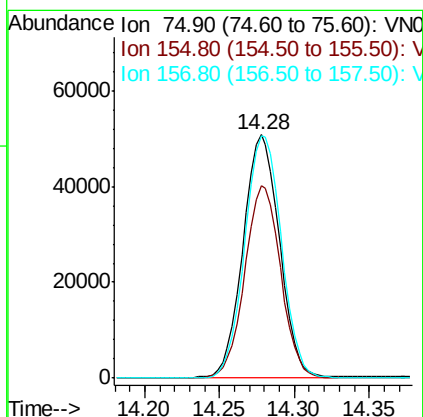
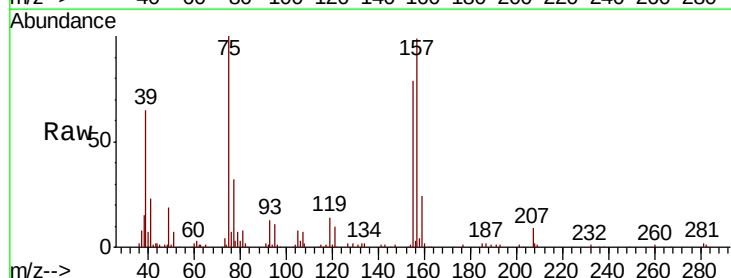
Instrument :
 MSVOA_N
 ClientSampleId :

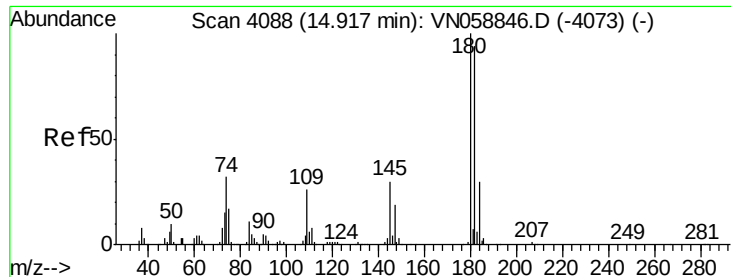
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.1	21.6	64.8
148	63.8	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 52.311 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.8	35.6	106.8
157	101.5	47.4	142.2

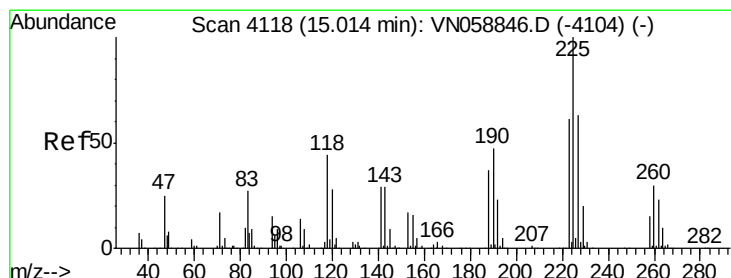
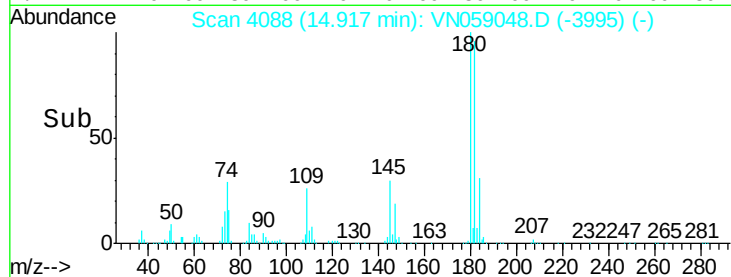
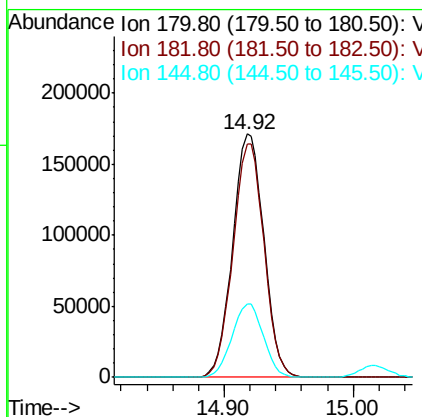
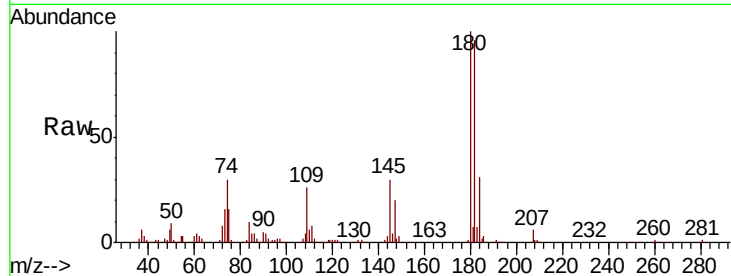




#93
 1,2,4-Trichlorobenzene
 Concen: 51.518 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

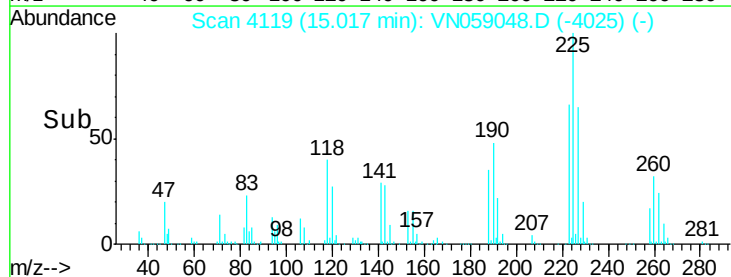
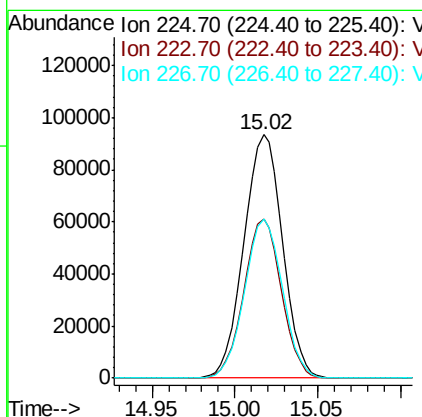
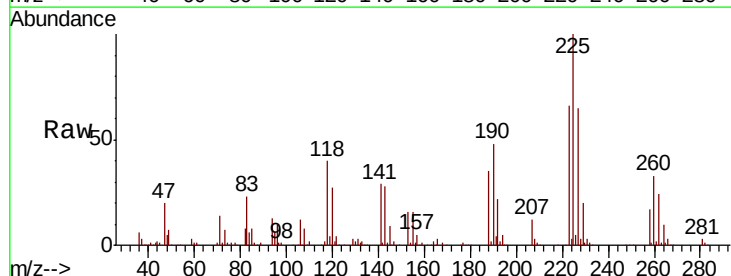
Instrument :
 MSVOA_N
 ClientSampled :

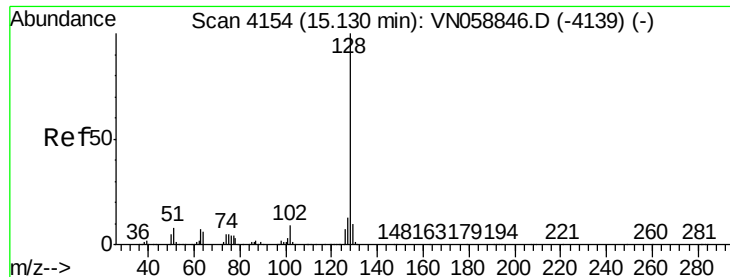
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.3	47.3	142.0
145	30.3	15.3	45.8



#94
 Hexachlorobutadiene
 Concen: 52.834 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN059048.D
 Acq: 31 Oct 2019 18:34

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.4	30.9	92.5
227	63.9	31.6	94.7





#95

Naphthalene

Concen: 53.879 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

Instrument :

MSVOA_N

ClientSampleId :

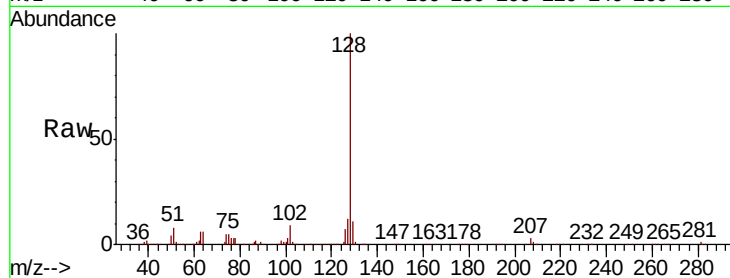
Tot Ion:128 Resp: 867836

Ion Ratio Lower Upper

128 100

127 12.5 10.2 15.2

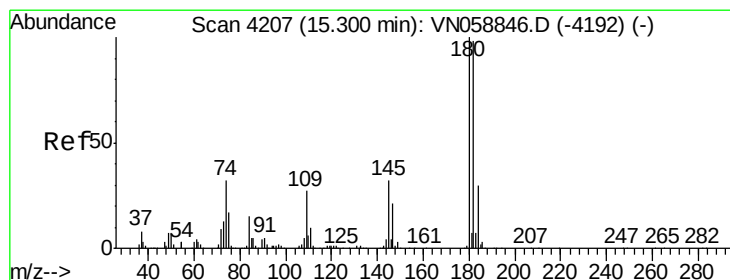
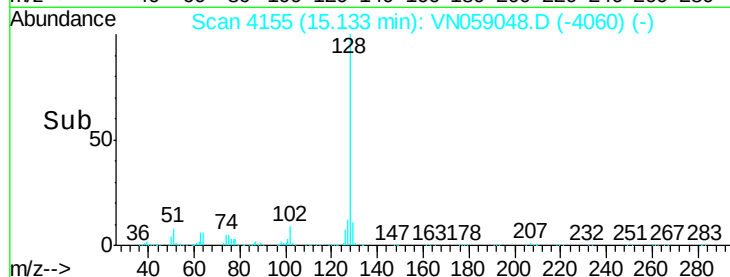
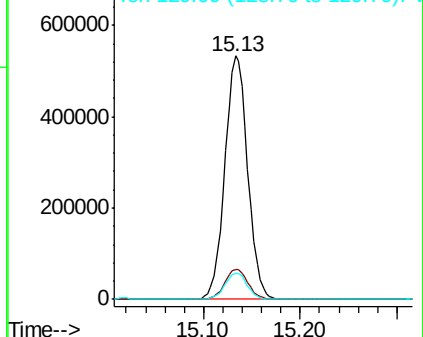
129 10.7 8.4 12.6



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: 53.625 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN059048.D

Acq: 31 Oct 2019 18:34

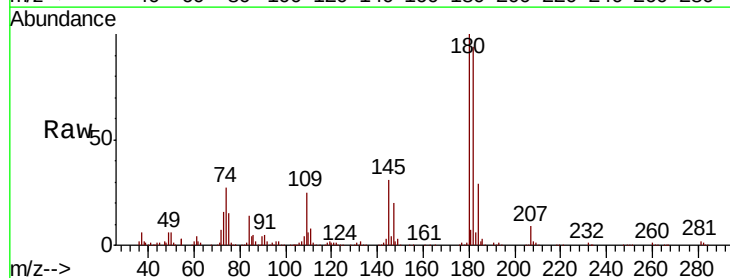
Tgt Ion:180 Resp: 292584

Ion Ratio Lower Upper

180 100

182 94.3 47.9 143.7

145 31.0 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

