

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111419\
 Data File : VN059225.D
 Acq On : 14 Nov 2019 12:03
 Operator : JC/SP
 Sample : VN1114WBSD01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 06:27:48 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	393161	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	612018	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	569152	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	258131	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	245365	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
35) Dibromofluoromethane	7.57	113	193956	53.08	ug/l	0.00
Spiked Amount			Recovery	=	106.16%	
50) Toluene-d8	10.08	98	728145	50.59	ug/l	0.00
Spiked Amount			Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.40	95	260954	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	76462	19.302	ug/l	97
3) Chloromethane	2.04	50	101315	18.815	ug/l	96
4) Vinyl Chloride	2.17	62	102770	19.686	ug/l	99
5) Bromomethane	2.54	94	61111	20.342	ug/l	98
6) Chloroethane	2.68	64	62014	20.081	ug/l	100
7) Trichlorofluoromethane	3.00	101	130530	20.904	ug/l	98
8) Diethyl Ether	3.39	74	52910	20.853	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.73	101	80109	21.277	ug/l	98
10) Methyl Iodide	3.92	142	93543	20.072	ug/l	99
11) Tert butyl alcohol	4.76	59	107074	116.251	ug/l	99
12) 1,1-Dichloroethene	3.71	96	73903	20.150	ug/l	96
13) Acrolein	3.58	56	33957	71.507	ug/l	94
14) Allyl chloride	4.30	41	151526	20.113	ug/l	99
15) Acrylonitrile	4.96	53	267941	116.893	ug/l	99
16) Acetone	3.79	43	225142	89.583	ug/l	97
17) Carbon Disulfide	4.03	76	201503	17.699	ug/l	100
18) Methyl Acetate	4.30	43	140368	23.530	ug/l	100
19) Methyl tert-butyl Ether	5.02	73	274494	21.739	ug/l	98
20) Methylene Chloride	4.52	84	90354	20.636	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	81865	20.795	ug/l	93
22) Diisopropyl ether	5.93	45	306288	21.524	ug/l	95
23) Vinyl Acetate	5.87	43	1263878	114.601	ug/l	100
24) 1,1-Dichloroethane	5.82	63	168921	21.254	ug/l	99
25) 2-Butanone	6.81	43	359339	108.486	ug/l	98
26) 2,2-Dichloropropane	6.80	77	141473	20.357	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	97136	21.268	ug/l	97
28) Bromochloromethane	7.17	49	49634	20.757	ug/l	98
29) Tetrahydrofuran	7.19	42	243853	115.865	ug/l	99
30) Chloroform	7.35	83	166155	21.793	ug/l	100
31) Cyclohexane	7.63	56	143696	19.098	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	137704	21.483	ug/l	100
36) 1,1-Dichloropropene	7.77	75	114537	20.022	ug/l	98
37) Ethyl Acetate	6.90	43	146267	22.984	ug/l	100
38) Carbon Tetrachloride	7.75	117	121363	21.315	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	128162	19.304	ug/l	99
40) Benzene	8.02	78	367318	21.323	ug/l	100
41) Methacrylonitrile	7.19	41	213171	77.031	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	129859	21.979	ug/l	99
43) Isopropyl Acetate	8.15	43	221765	21.858	ug/l	100
44) Trichloroethene	8.82	130	88026	20.787	ug/l	99
45) 1,2-Dichloropropane	9.10	63	102064	21.813	ug/l	99
46) Dibromomethane	9.19	93	62580	21.463	ug/l	99
47) Bromodichloromethane	9.39	83	128212	22.021	ug/l	95
48) Methyl methacrylate	9.19	41	96679	21.303	ug/l	98
49) 1,4-Dioxane	9.19	88	38905	482.392	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	728266	126.859	ug/l	99
52) Toluene	10.15	92	222344	21.534	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	141844	21.087	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	152410	21.064	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	91703	21.945	ug/l	99
56) Ethyl methacrylate	10.42	69	135752	20.621	ug/l	99
57) 1,3-Dichloropropane	10.70	76	157355	21.879	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.68	63	262534	112.891	ug/l	99
59) 2-Hexanone	10.74	43	530215	120.332	ug/l	99
60) Dibromochloromethane	10.90	129	97898	22.158	ug/l	99
61) 1,2-Dibromoethane	11.00	107	95013	22.461	ug/l	97
64) Tetrachloroethene	10.63	164	78656	20.324	ug/l	97
65) Chlorobenzene	11.43	112	233665	21.060	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	91544	21.995	ug/l	99
67) Ethyl Benzene	11.51	91	413259	20.994	ug/l	99
68) m/p-Xylenes	11.62	106	303041	41.097	ug/l	99
69) o-Xylene	11.95	106	144749	20.313	ug/l	99
70) Styrene	11.96	104	235082	20.976	ug/l	99
71) Bromoform	12.13	173	70122	21.660	ug/l #	100
73) Isopropylbenzene	12.25	105	396746	21.130	ug/l	100
74) N-amyl acetate	12.07	43	169733	21.333	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	144323	22.571	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	187620	31.926	ug/l #	100
77) Bromobenzene	12.53	156	99216	21.032	ug/l	100
78) n-propylbenzene	12.59	91	453503	21.094	ug/l	100
79) 2-Chlorotoluene	12.67	91	276050	20.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	331895	20.860	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	47897	21.527	ug/l	98
82) 4-Chlorotoluene	12.77	91	279924	20.926	ug/l	99
83) tert-Butylbenzene	12.99	119	282848	20.586	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	320723	20.835	ug/l	99
85) sec-Butylbenzene	13.17	105	373882	20.923	ug/l	99
86) p-Isopropyltoluene	13.29	119	325211	20.612	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	168200	20.821	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	164754	20.384	ug/l	98
89) n-Butylbenzene	13.62	91	266395	19.291	ug/l	100
90) Hexachloroethane	13.88	117	66516	20.995	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	170772	21.490	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	29524	23.157	ug/l	98

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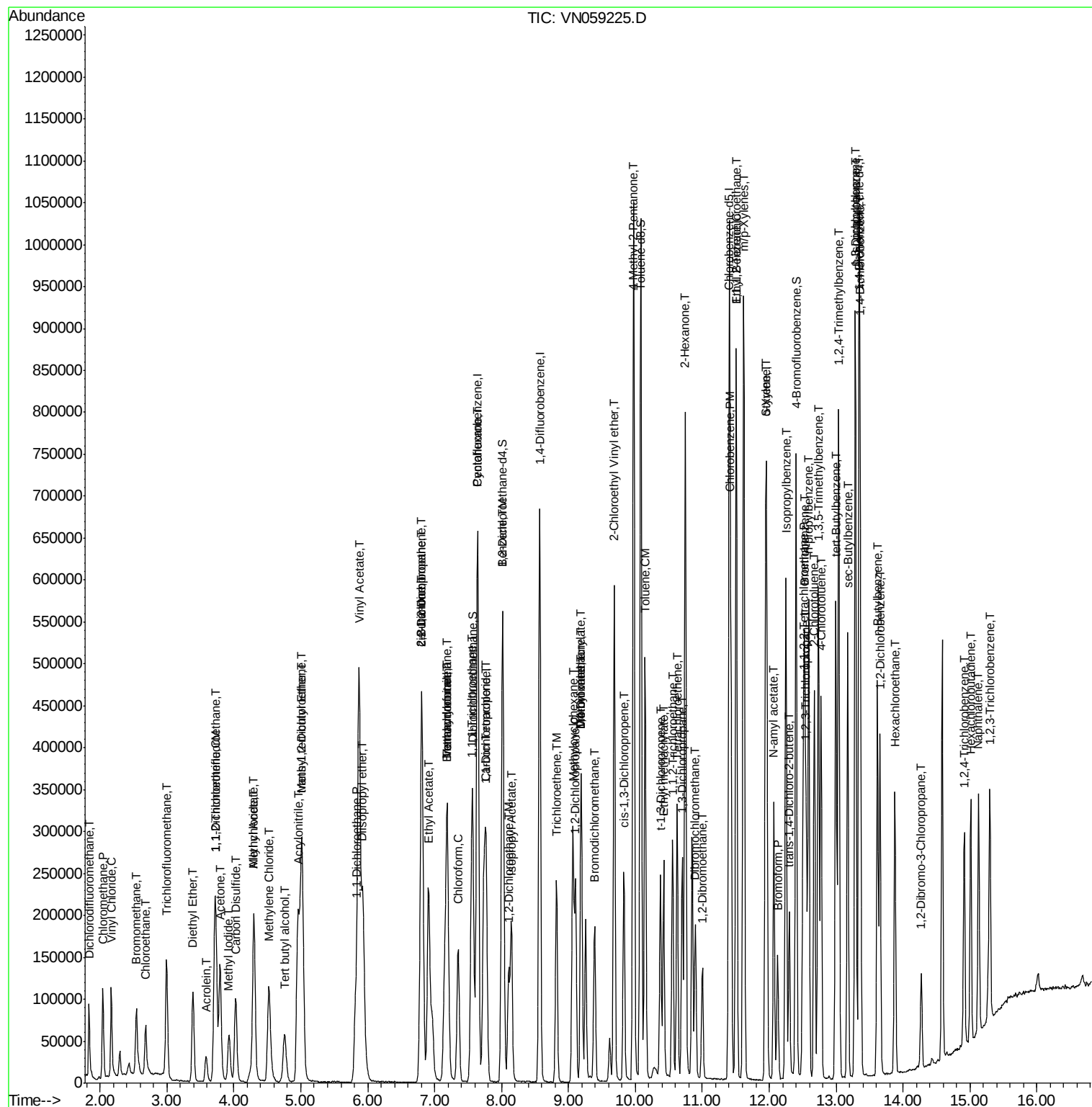
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	83828	19.374	ug/l	99
94) Hexachlorobutadiene	15.01	225	56109	20.478	ug/l	99
95) Naphthalene	15.13	128	231542	19.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	87486	19.645	ug/l	98

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

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

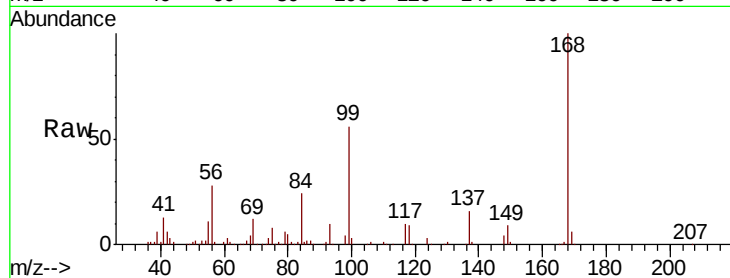
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 393161

Ion Ratio Lower Upper

168 100

99 55.4 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

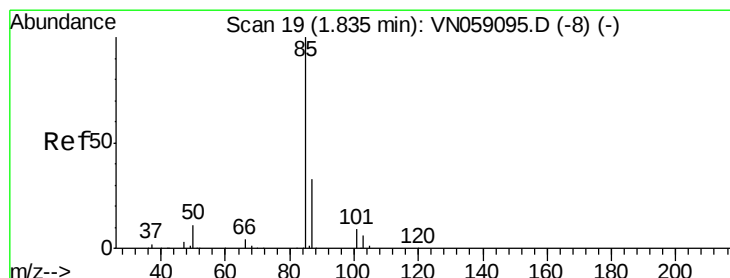
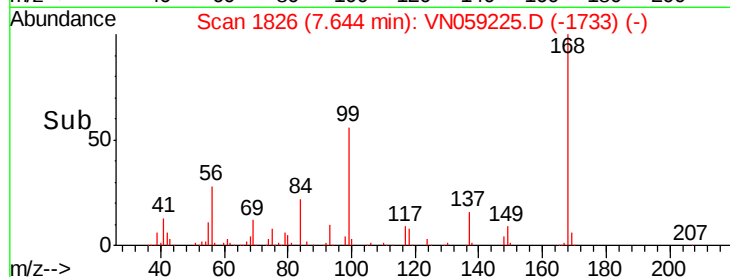
100000

50000

0

Time-->

7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 19.302 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059225.D

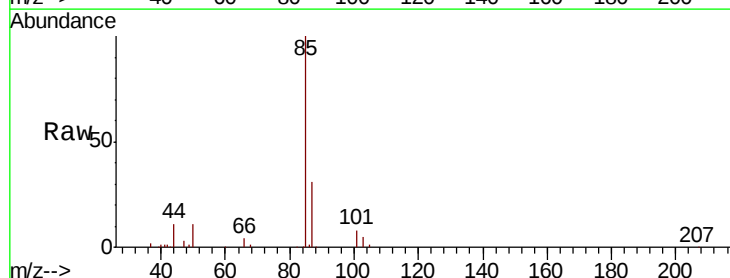
Acq: 14 Nov 2019 12:03

Tgt Ion: 85 Resp: 76462

Ion Ratio Lower Upper

85 100

87 30.8 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

60000

50000

40000

30000

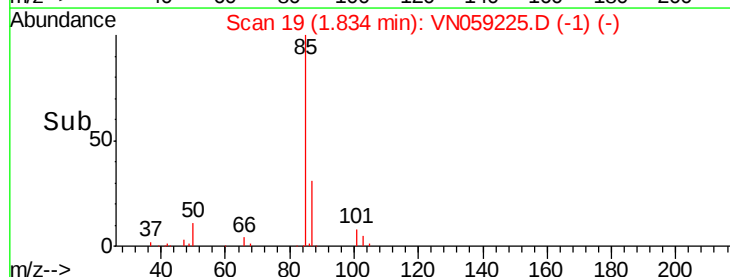
20000

10000

0

Time-->

1.75 1.80 1.85 1.90 1.95





#3

Chloromethane

Concen: 18.815 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

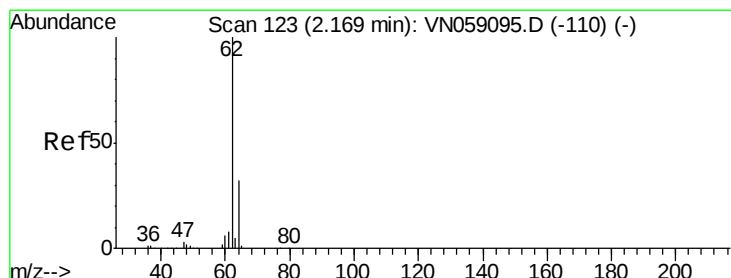
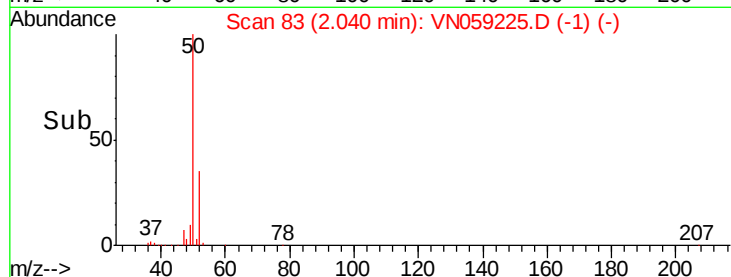
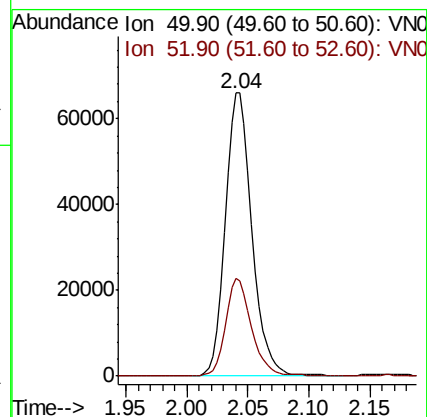
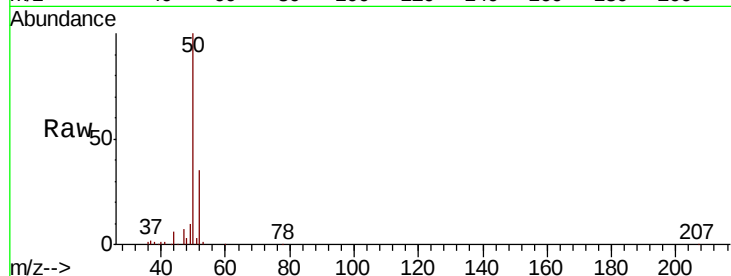
ClientSampled :

Tot Ion: 50 Resp: 101315

Ion Ratio Lower Upper

50 100

52 34.6 26.0 39.0



#4

Vinyl Chloride

Concen: 19.686 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059225.D

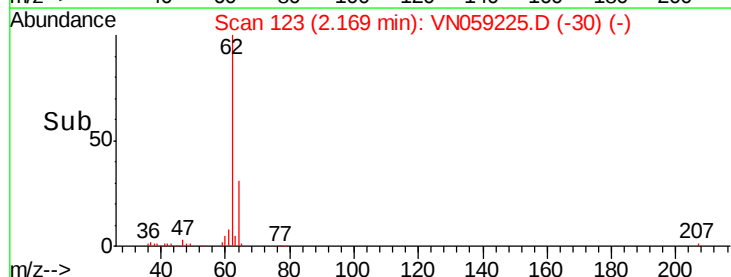
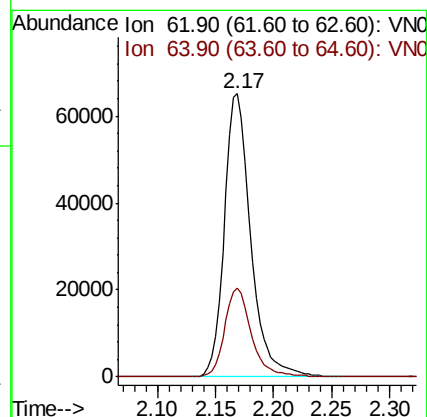
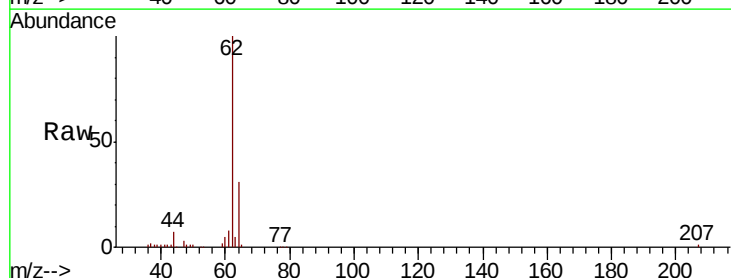
Acq: 14 Nov 2019 12:03

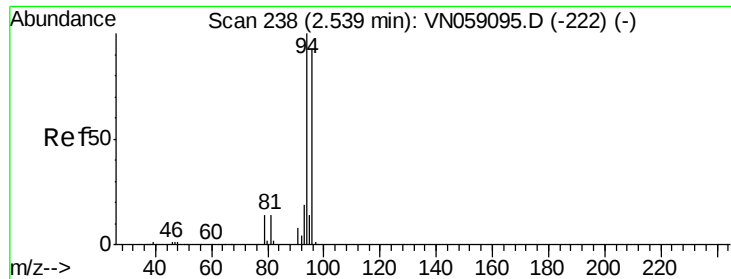
Tgt Ion: 62 Resp: 102770

Ion Ratio Lower Upper

62 100

64 31.4 25.4 38.2





#5

Bromomethane

Concen: 20.342 ug/l

RT: 2.54 min Scan# 239

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

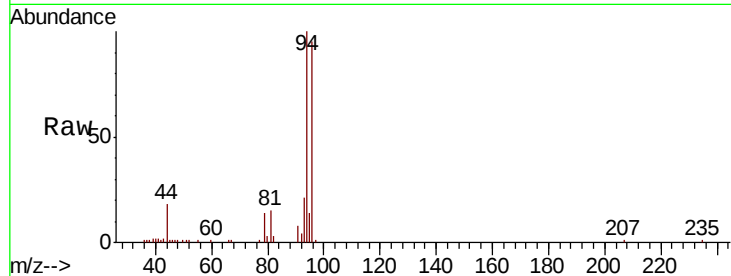
ClientSampled :

Tot Ion: 94 Resp: 61111

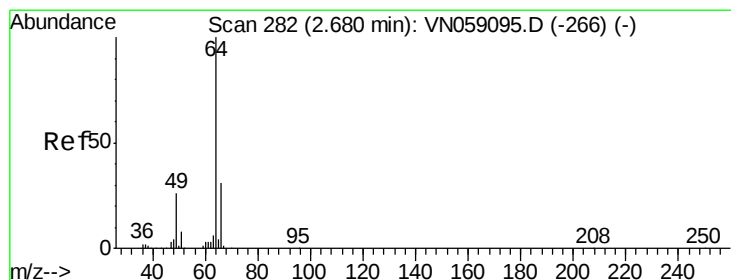
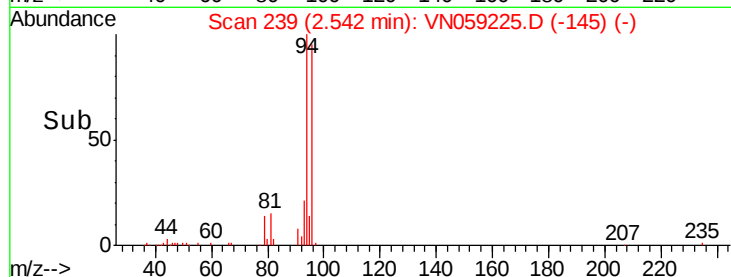
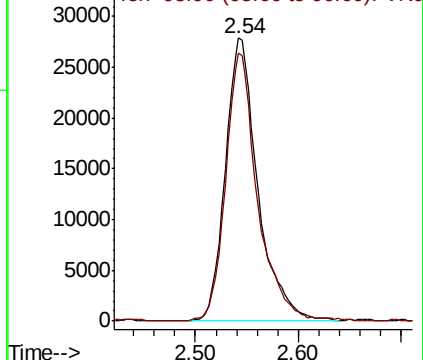
Ion Ratio Lower Upper

94 100

96 94.5 74.2 111.2



Abundance Ion 93.90 (93.60 to 94.60): VNO
Ion 95.90 (95.60 to 96.60): VNO



#6

Chloroethane

Concen: 20.081 ug/l

RT: 2.68 min Scan# 283

Delta R.T. 0.00 min

Lab File: VN059225.D

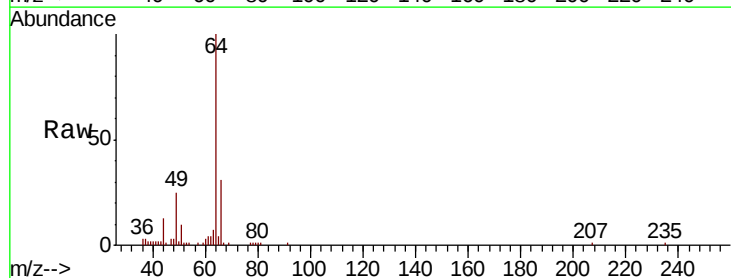
Acq: 14 Nov 2019 12:03

Tgt Ion: 64 Resp: 62014

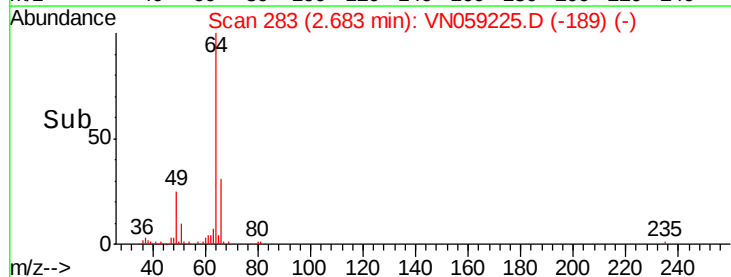
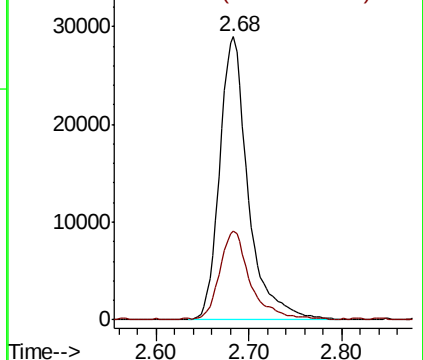
Ion Ratio Lower Upper

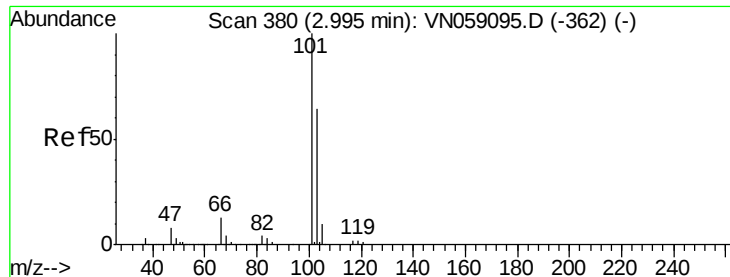
64 100

66 31.4 25.2 37.8



Abundance Ion 63.90 (63.60 to 64.60): VNO
Ion 65.90 (65.60 to 66.60): VNO



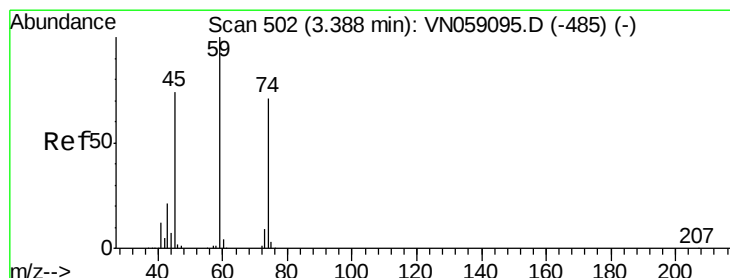
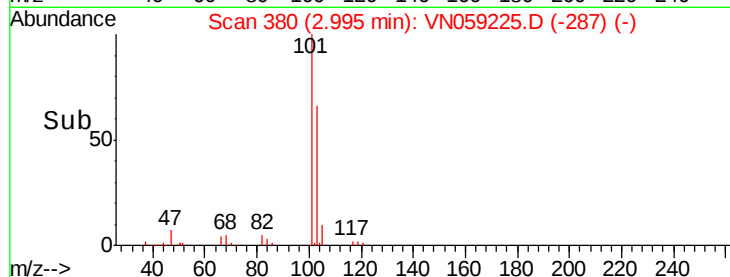
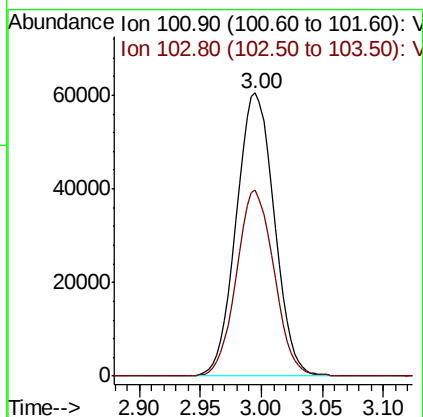
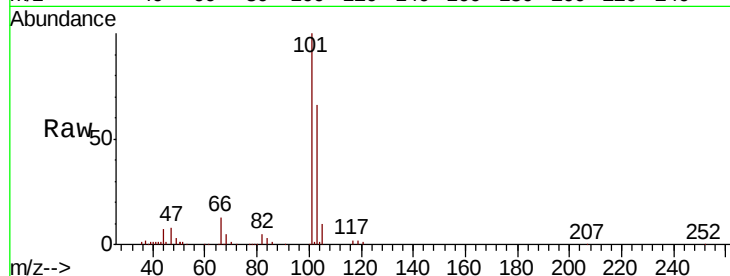


#7

Trichlorofluoromethane
 Concen: 20.904 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
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 ClientSampleId :

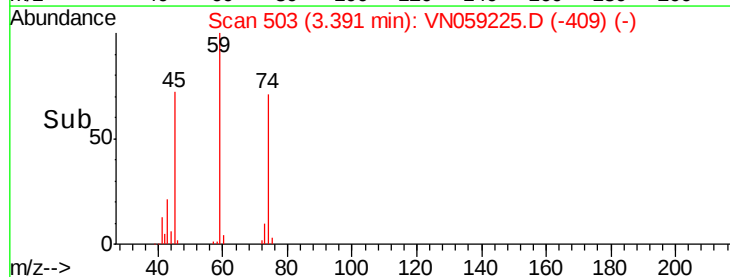
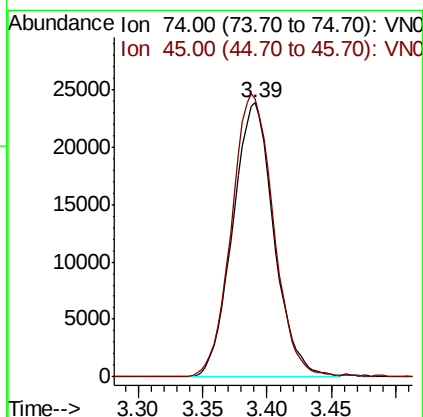
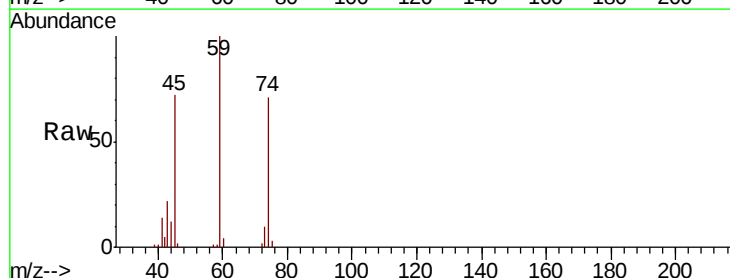
Tot Ion:101 Resp: 130530
 Ion Ratio Lower Upper
 101 100
 103 65.6 51.2 76.8



#8

Diethyl Ether
 Concen: 20.853 ug/l
 RT: 3.39 min Scan# 503
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 74 Resp: 52910
 Ion Ratio Lower Upper
 74 100
 45 105.1 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.277 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

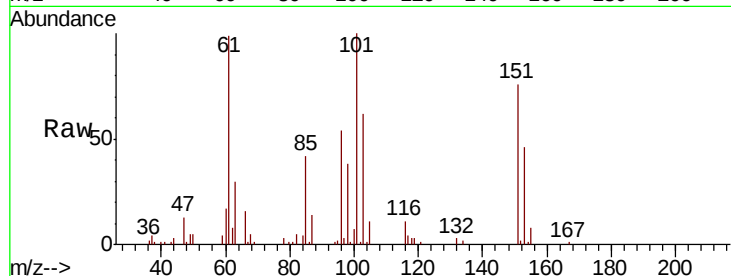
Tot Ion:101 Resp: 80109

Ion Ratio Lower Upper

101 100

85 43.0 35.5 53.3

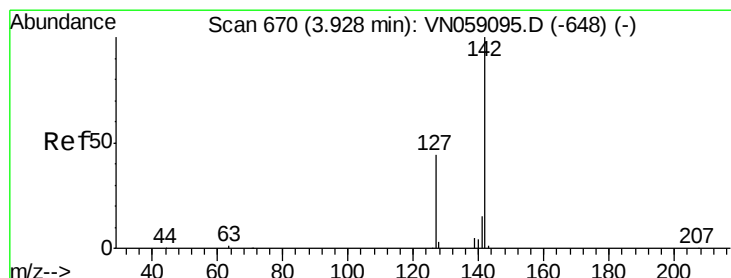
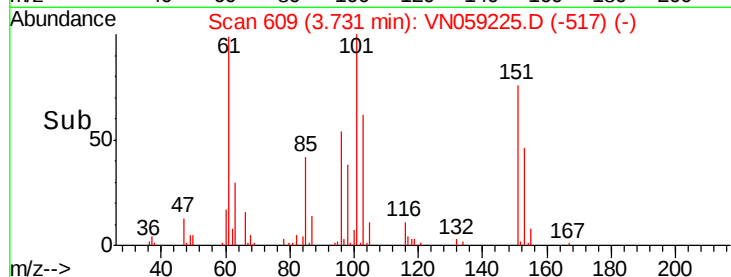
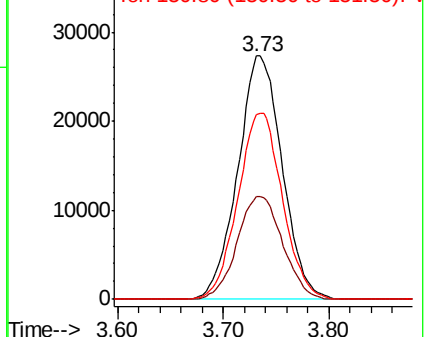
151 76.5 62.2 93.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.072 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

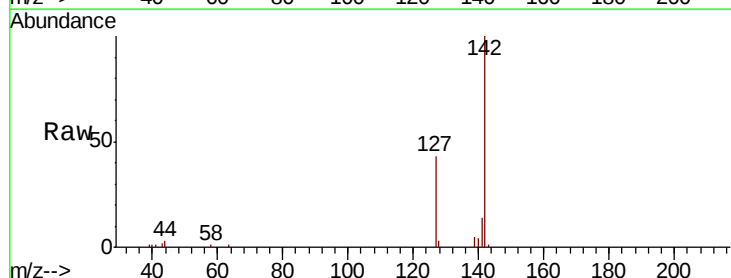
Tgt Ion:142 Resp: 93543

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

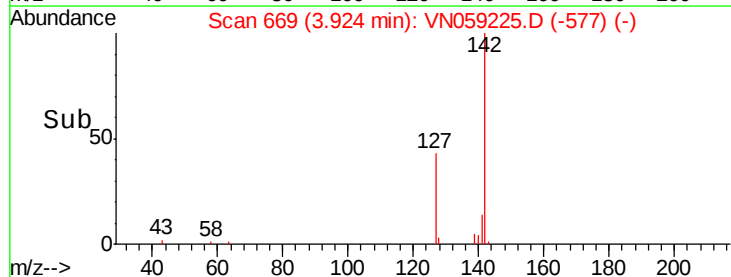
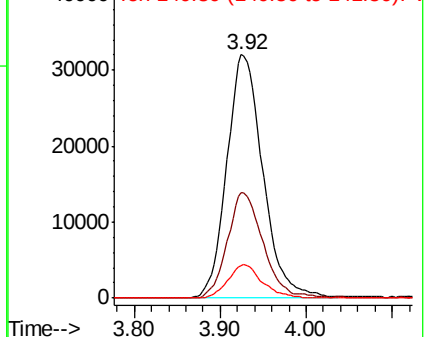
141 13.0 11.4 17.0

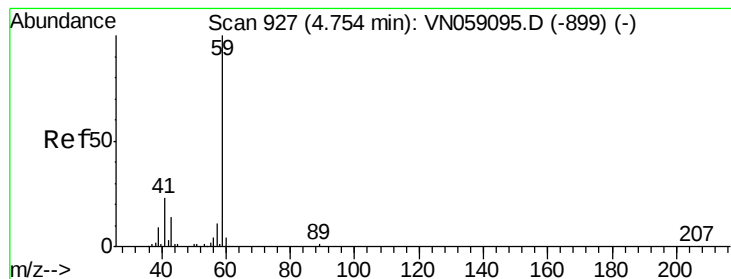


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



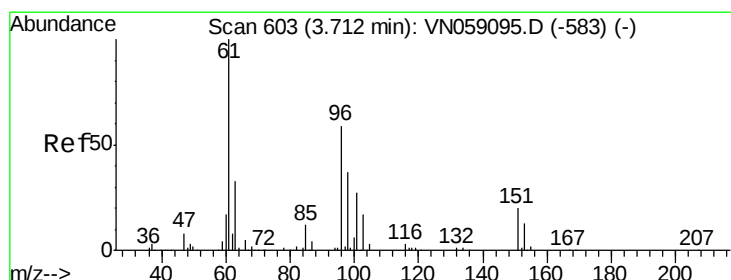
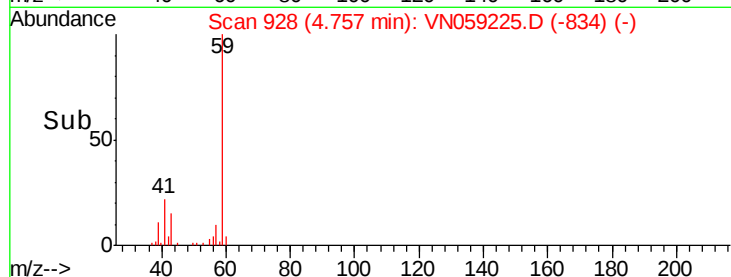
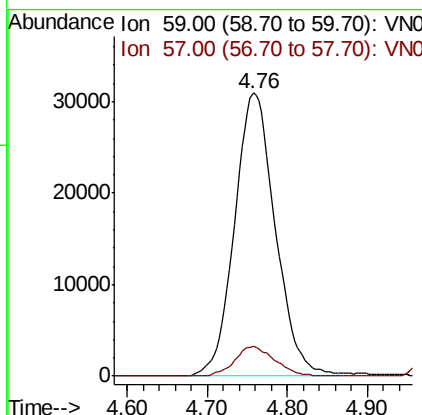
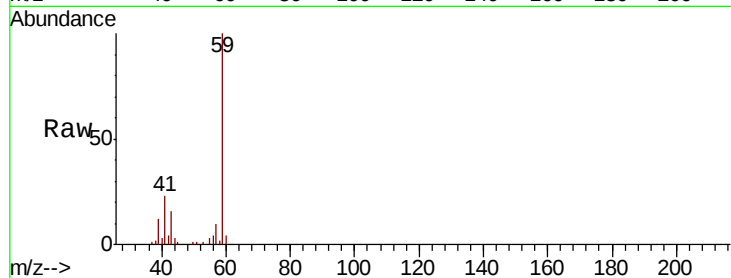


#11

Tert butyl alcohol
 Concen: 116.251 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :

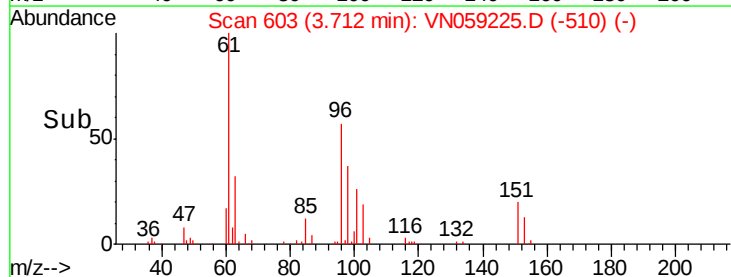
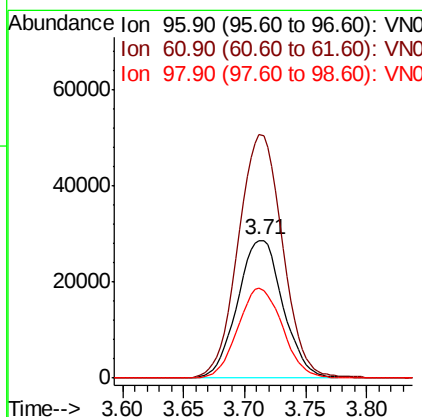
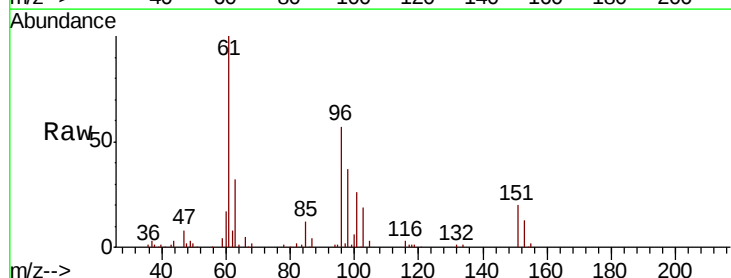
Tot Ion: 59 Resp: 107074
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

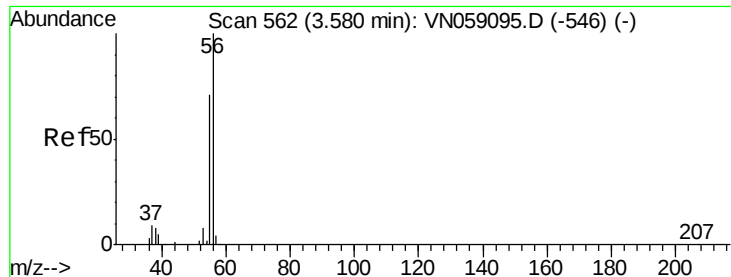


#12

1,1-Dichloroethene
 Concen: 20.150 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 96 Resp: 73903
 Ion Ratio Lower Upper
 96 100
 61 176.5 136.5 204.7
 98 65.1 50.2 75.4





#13

Acrolein

Concen: 71.507 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

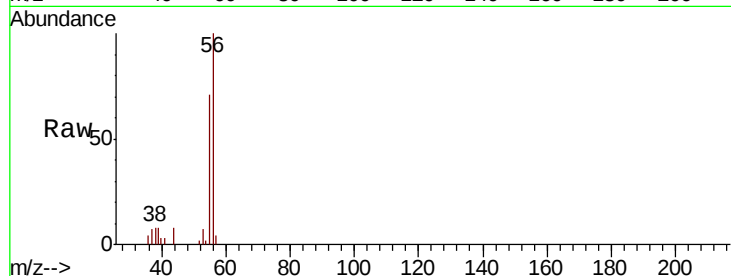
ClientSampleId :

Tot Ion: 56 Resp: 33957

Ion Ratio Lower Upper

56 100

55 75.1 56.4 84.6



Abundance Ion 56.00 (55.70 to 56.70): VN059225.D (-546) (-)

Ion 55.00 (54.70 to 55.70): VN059225.D (-546) (-)

3.58

15000

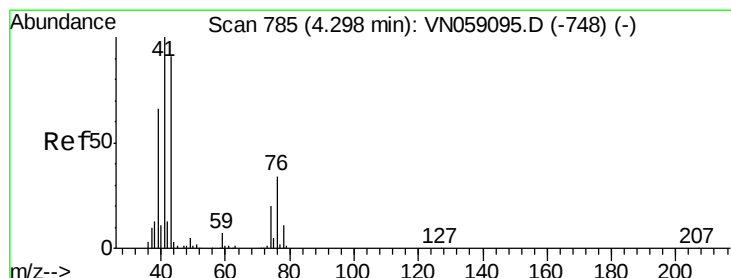
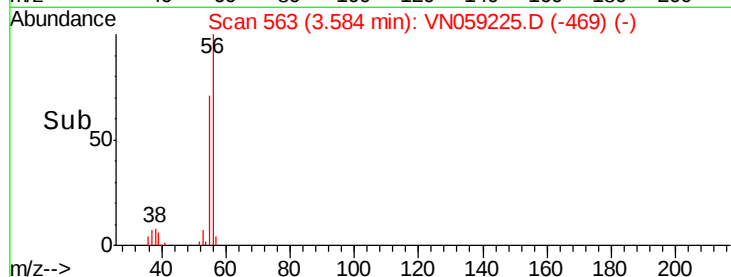
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 20.113 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

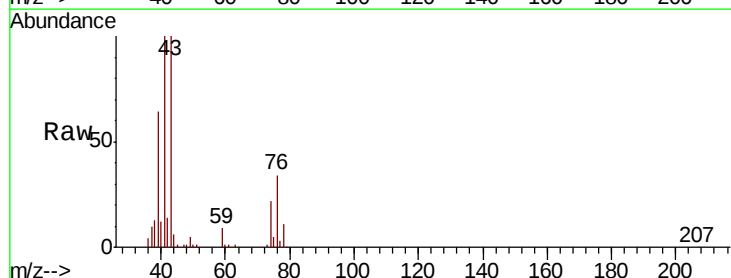
Tgt Ion: 41 Resp: 151526

Ion Ratio Lower Upper

41 100

39 60.7 49.1 73.7

76 30.7 24.9 37.3



Abundance Ion 41.00 (40.70 to 41.70): VN059225.D (-692) (-)

Ion 39.00 (38.70 to 39.70): VN059225.D (-692) (-)

Ion 75.90 (75.60 to 76.60): VN059225.D (-692) (-)

4.30

60000

50000

40000

30000

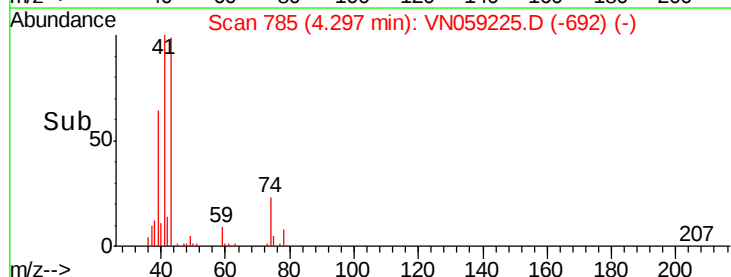
20000

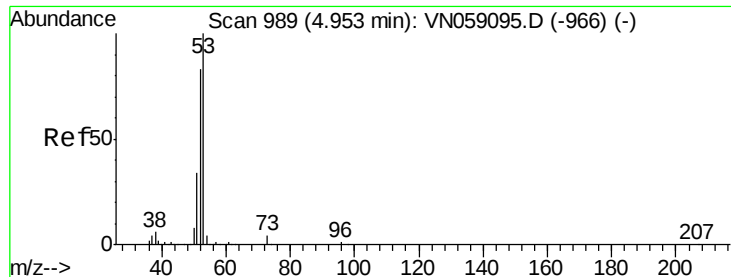
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 116.893 ug/l

RT: 4.96 min Scan# 990

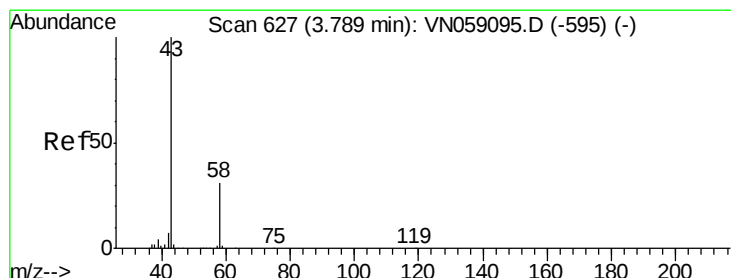
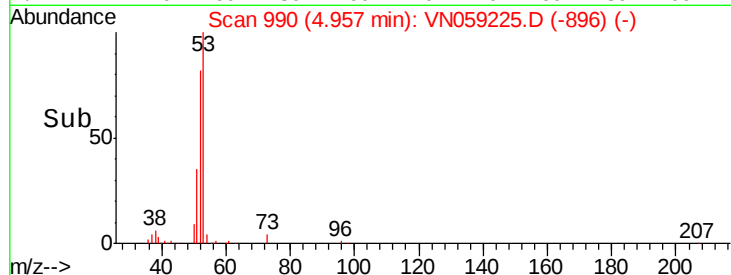
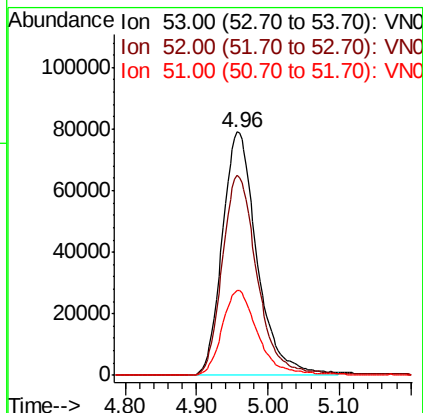
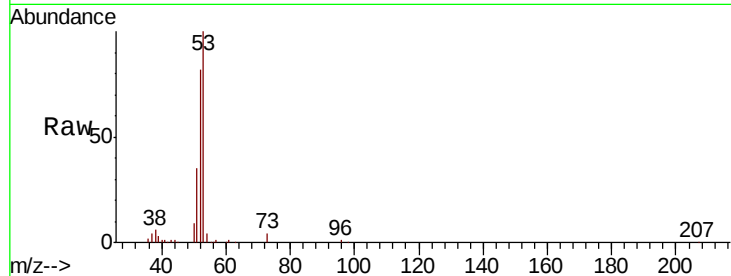
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	53	Resp:	267941
Ion	Ratio	Lower	Upper
53	100		
52	82.2	65.0	97.6
51	36.0	28.0	42.0



#16

Acetone

Concen: 89.583 ug/l

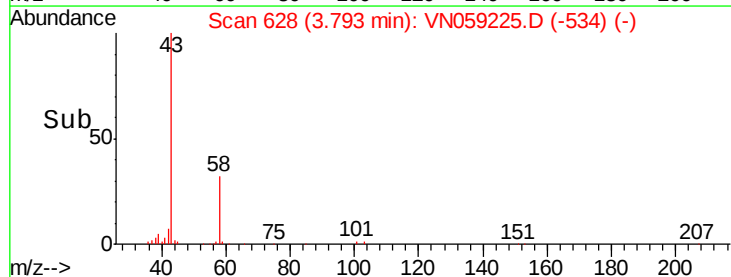
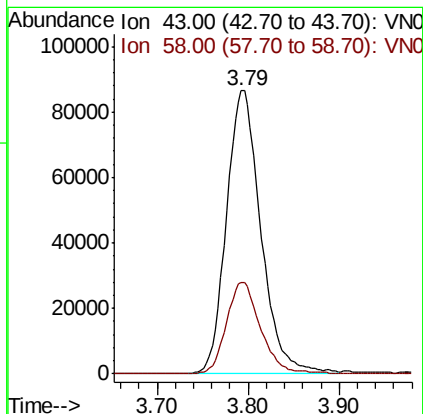
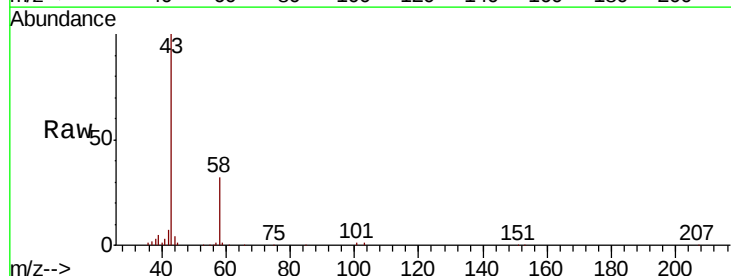
RT: 3.79 min Scan# 628

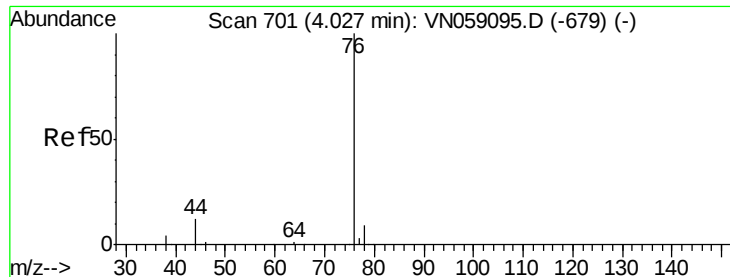
Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	43	Resp:	225142
Ion	Ratio	Lower	Upper
43	100		
58	32.6	24.9	37.3

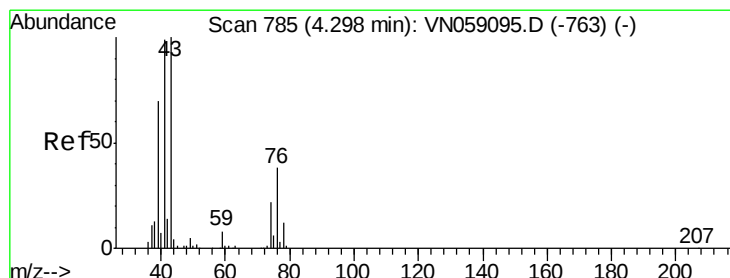
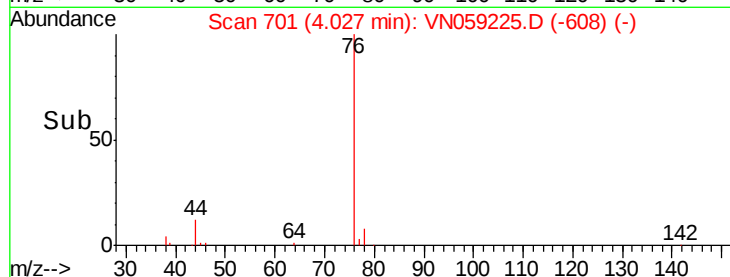
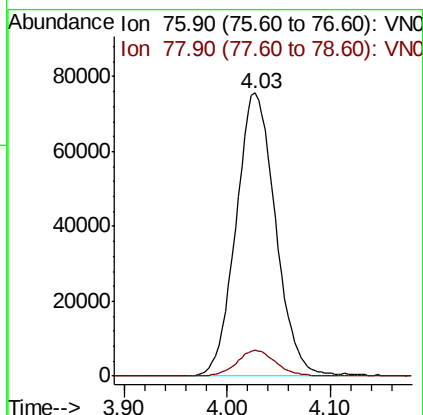
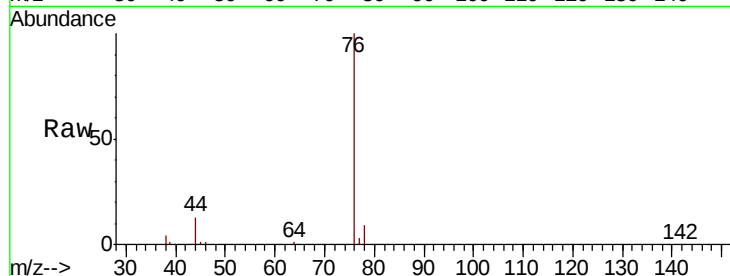




#17
Carbon Disulfide
Concen: 17.699 ug/l
RT: 4.03 min Scan# 701
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

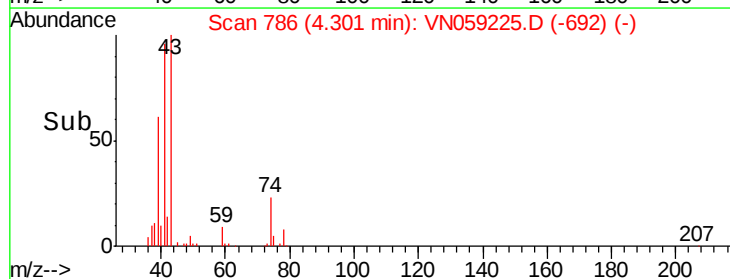
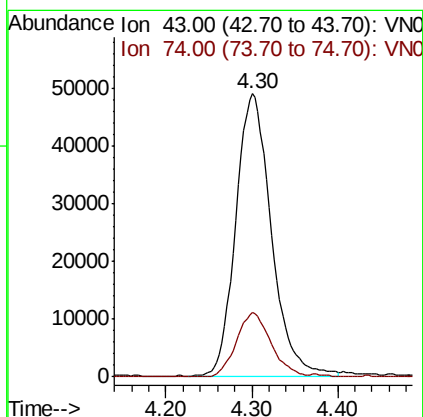
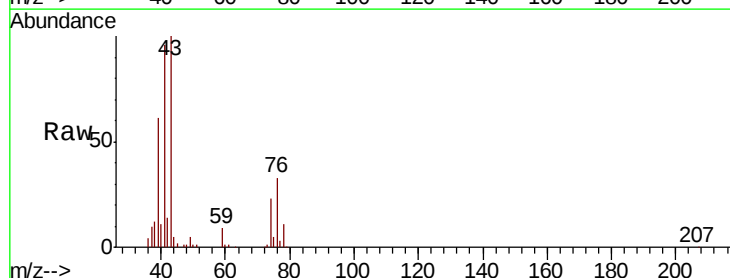
Instrument :
MSVOA_N
ClientSampleId :

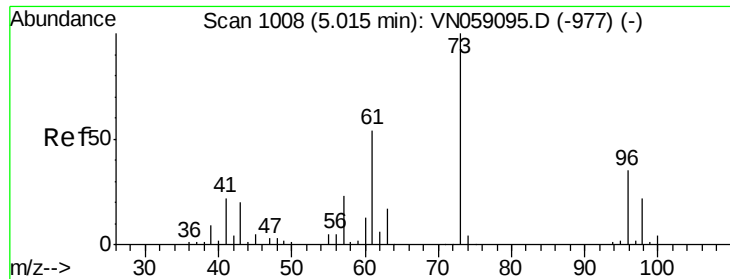
Tot Ion: 76 Resp: 201503
Ion Ratio Lower Upper
76 100
78 9.1 7.4 11.0



#18
Methyl Acetate
Concen: 23.530 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 140368
Ion Ratio Lower Upper
43 100
74 22.2 17.8 26.8

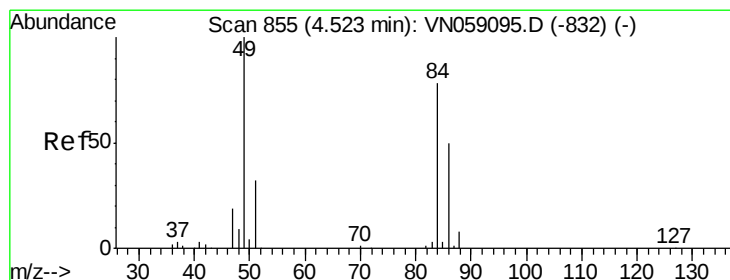
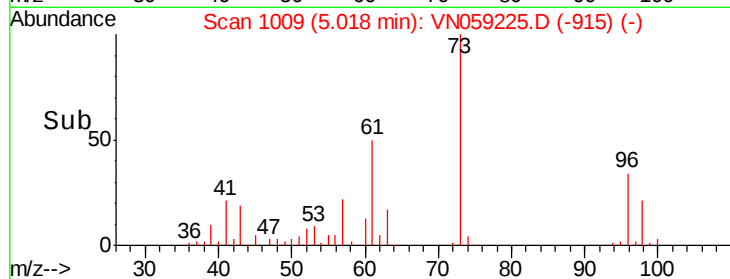
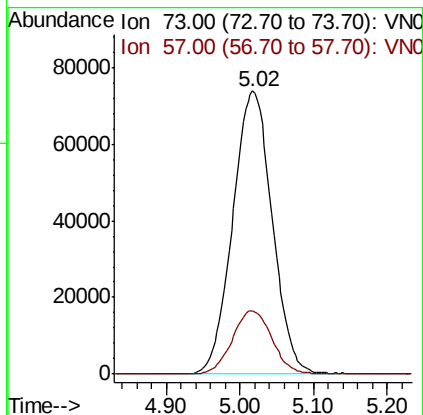
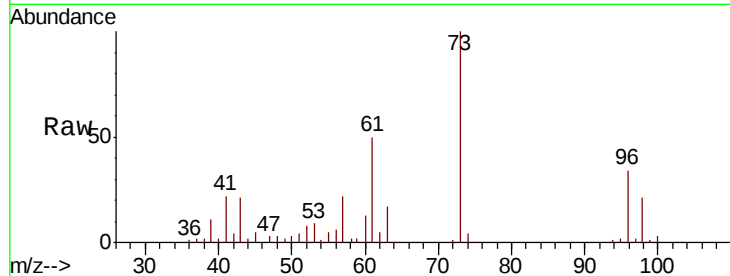




#19
Methvl tert-butvl Ether
Concen: 21.739 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

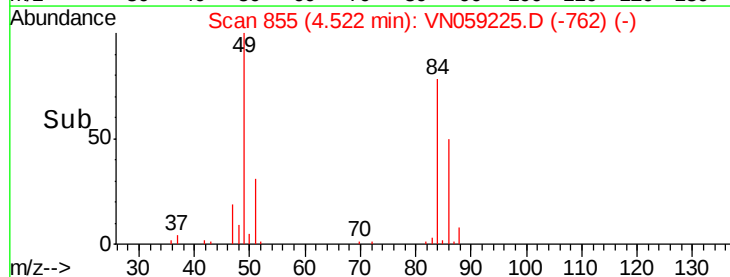
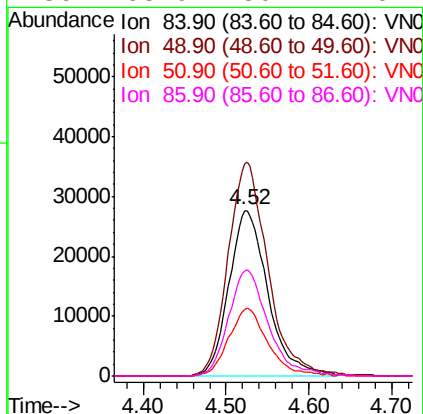
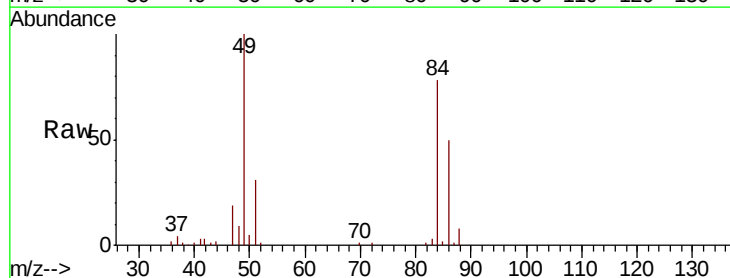
Instrument :
MSVOA_N
ClientSampled :

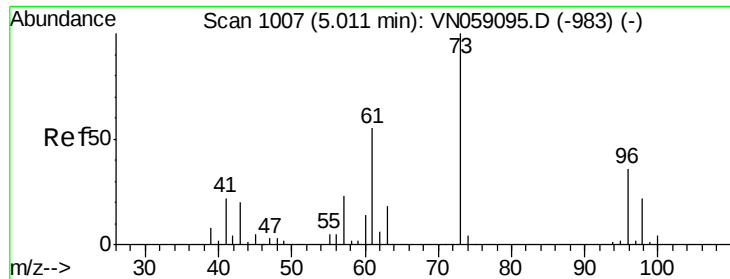
Tot Ion: 73 Resp: 274494
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#20
Methylene Chloride
Concen: 20.636 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 84 Resp: 90354
Ion Ratio Lower Upper
84 100
49 128.3 102.0 153.0
51 40.1 32.2 48.2
86 63.9 50.7 76.1

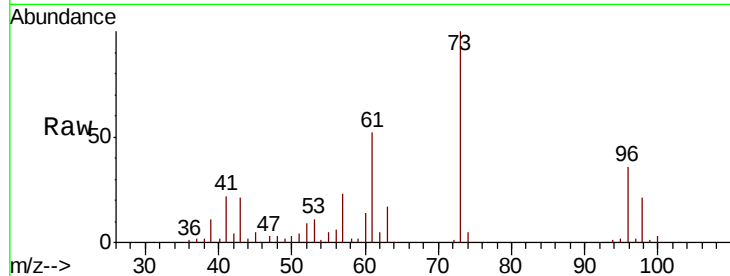




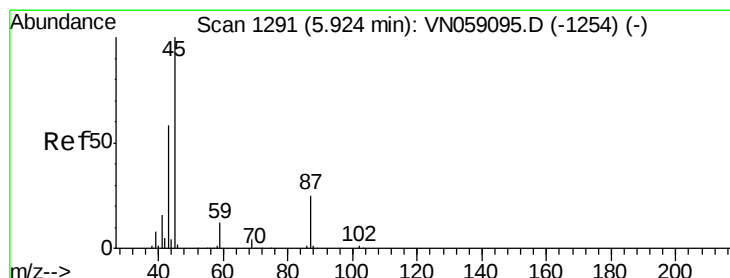
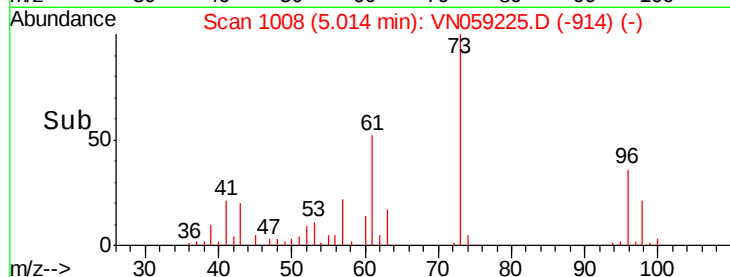
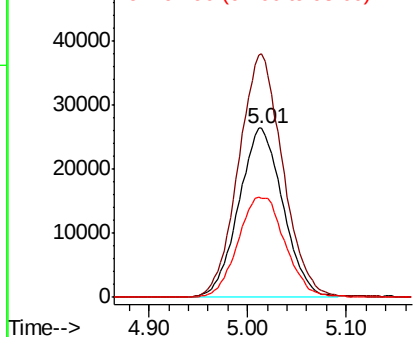
#21
trans-1,2-Dichloroethene
Concen: 20.795 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 81865
Ion Ratio Lower Upper
96 100
61 144.1 122.6 183.8
98 58.9 50.3 75.5

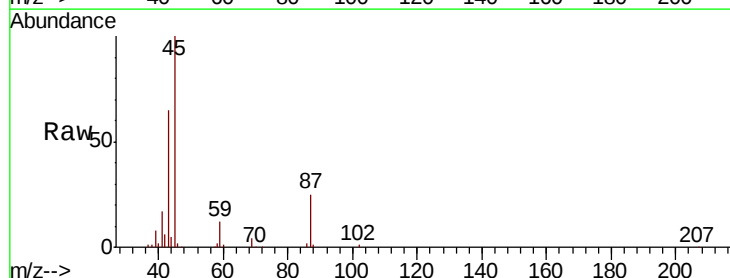


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

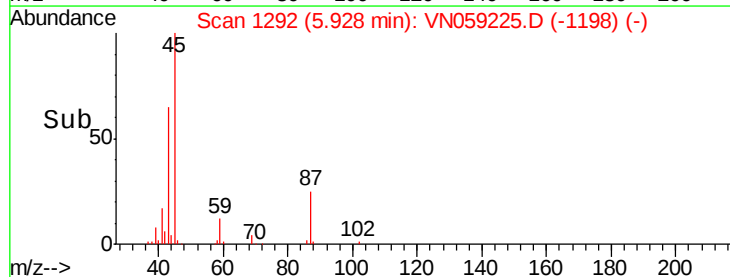
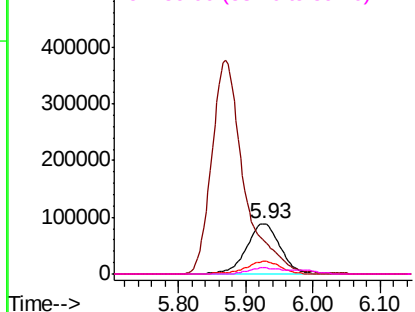


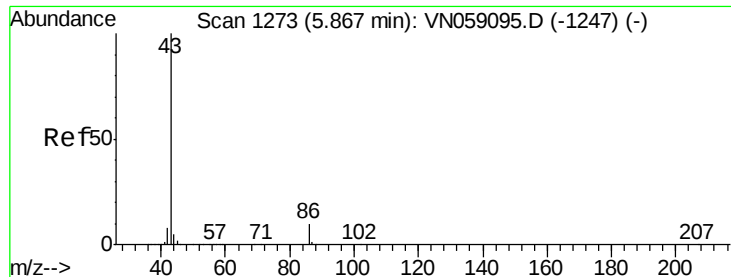
#22
Diisopropyl ether
Concen: 21.524 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 45 Resp: 306288
Ion Ratio Lower Upper
45 100
43 63.6 46.7 70.1
87 24.6 20.5 30.7
59 11.9 9.6 14.4



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: 114.601 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

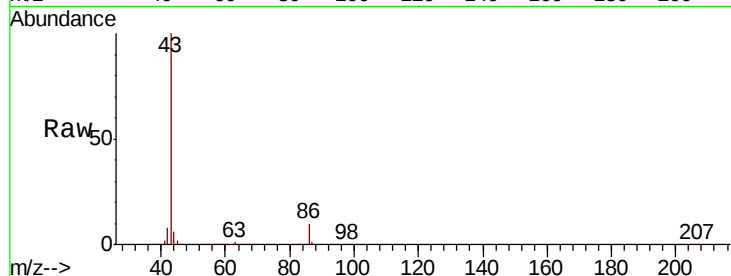
ClientSampled :

Tot Ion: 43 Resp: 1263878

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

400000

300000

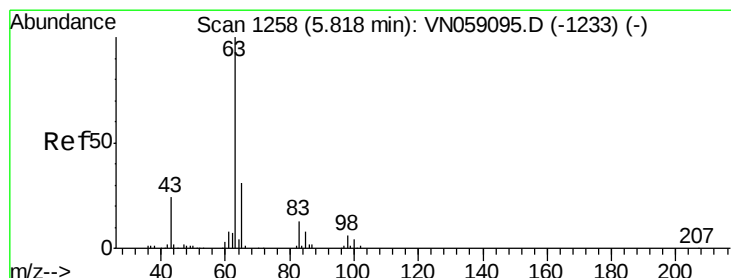
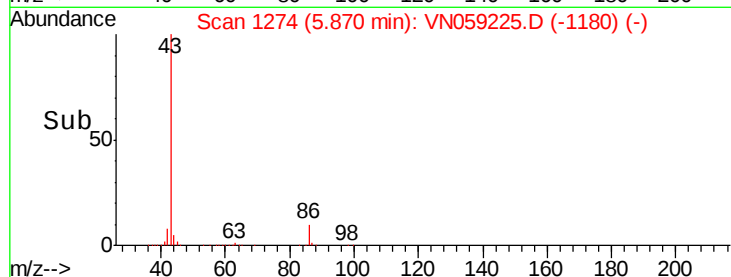
200000

100000

0

Time-->

5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 21.254 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.01 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

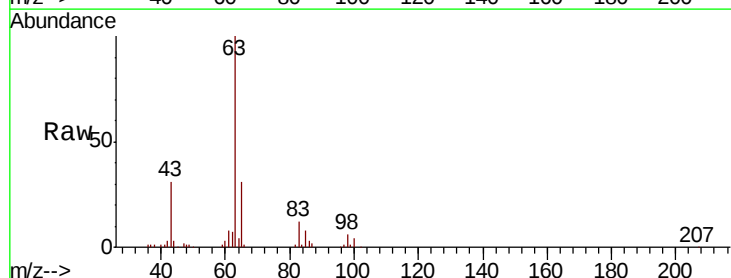
Tgt Ion: 63 Resp: 168921

Ion Ratio Lower Upper

63 100

98 6.0 2.8 8.4

100 3.7 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

60000

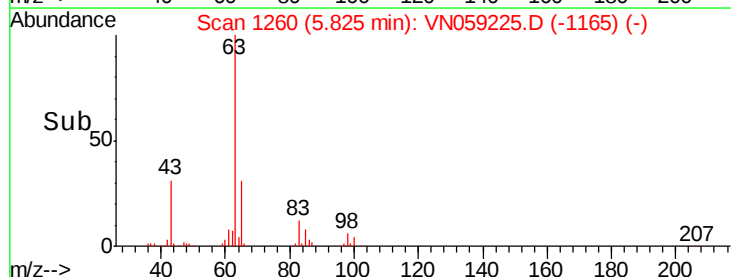
40000

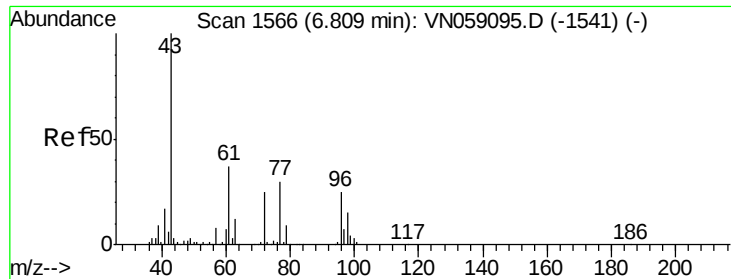
20000

0

Time-->

5.70 5.80 5.90

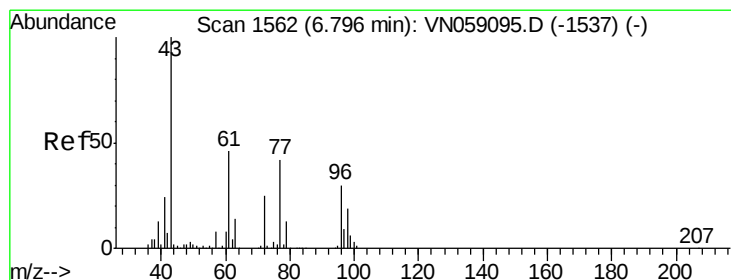
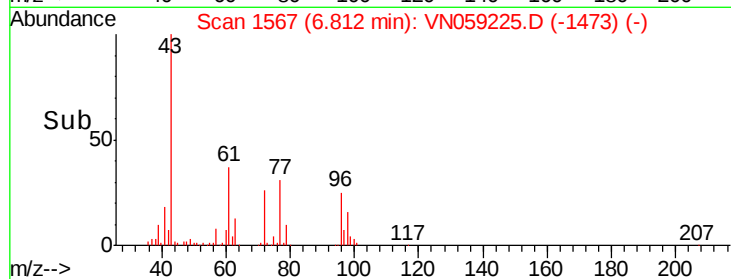
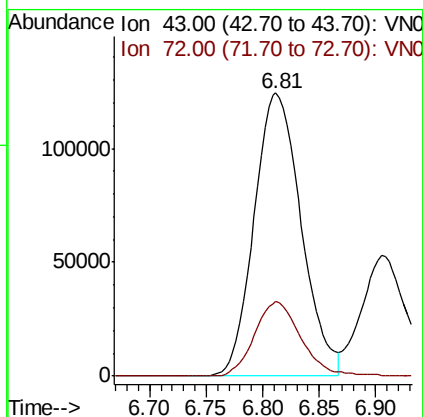
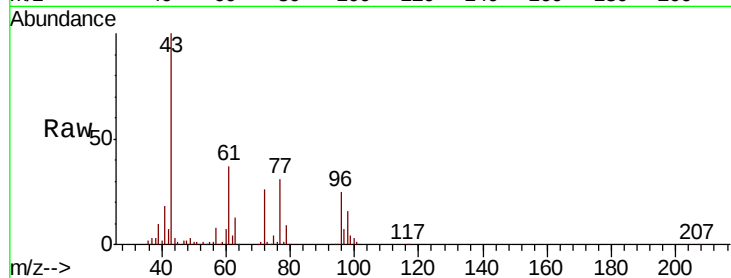




#25
2-Butanone
Concen: 108.486 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

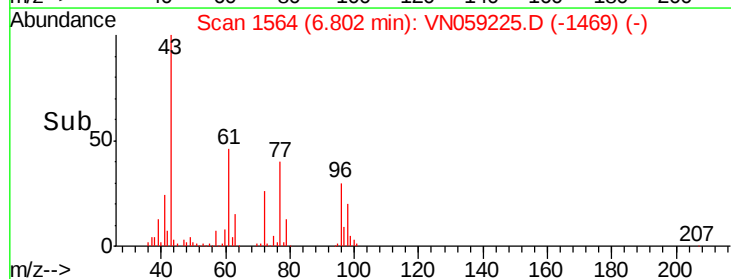
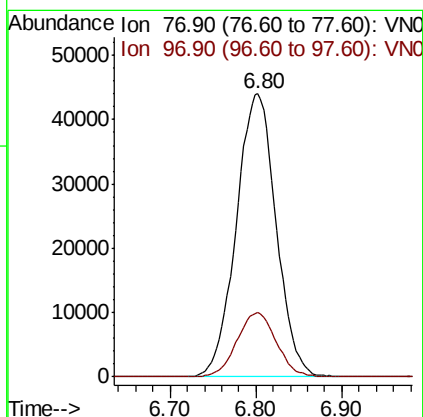
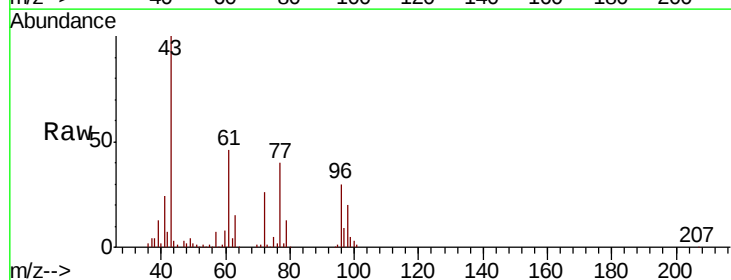
Instrument :
MSVOA_N
ClientSampled :

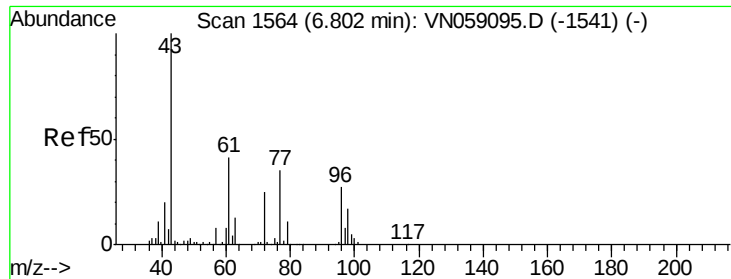
Tot Ion: 43 Resp: 359339
Ion Ratio Lower Upper
43 100
72 26.2 20.3 30.5



#26
2,2-Dichloropropane
Concen: 20.357 ug/l
RT: 6.80 min Scan# 1564
Delta R.T. 0.01 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 77 Resp: 141473
Ion Ratio Lower Upper
77 100
97 22.3 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 21.268 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampled :

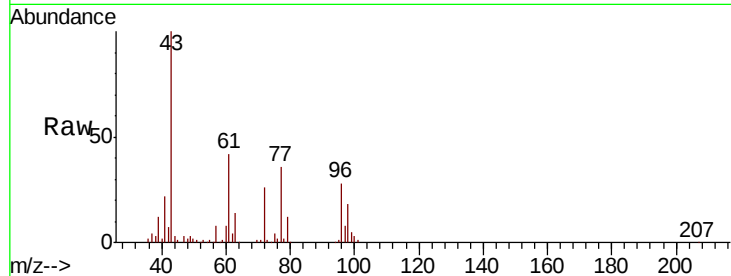
Tot Ion: 96 Resp: 97136

Ion Ratio Lower Upper

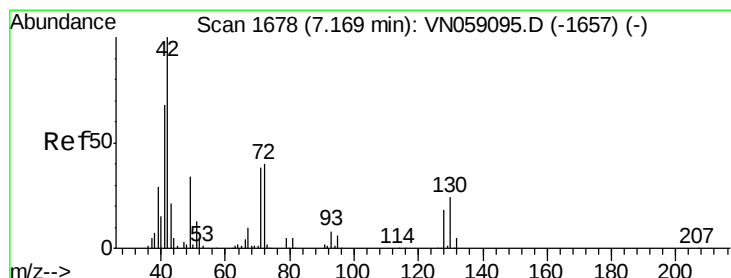
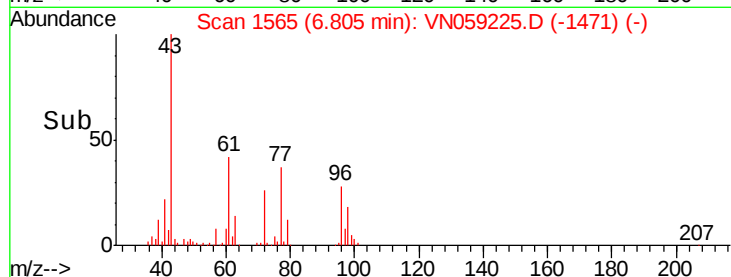
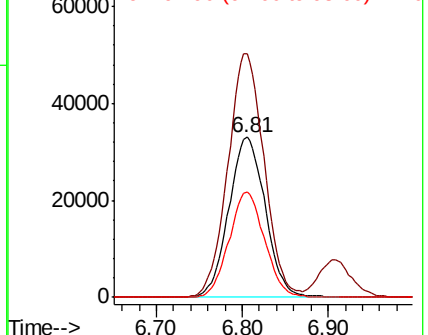
96 100

61 151.1 0.0 311.6

98 64.1 0.0 129.8



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: 20.757 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

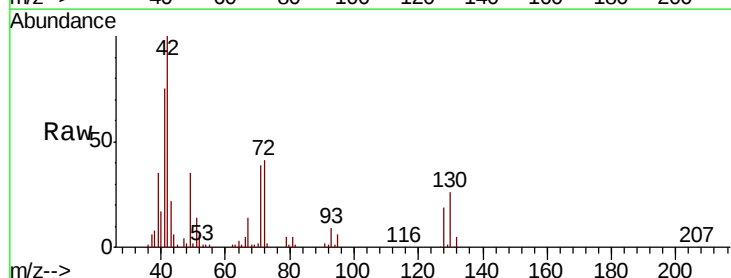
Tgt Ion: 49 Resp: 49634

Ion Ratio Lower Upper

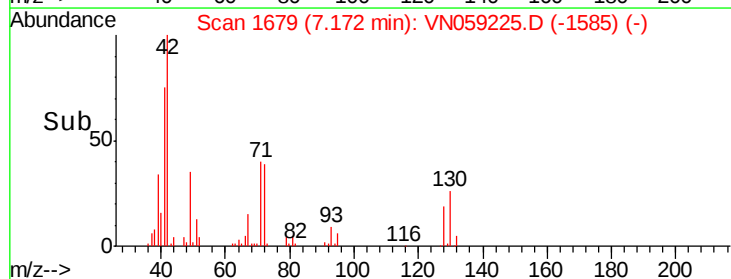
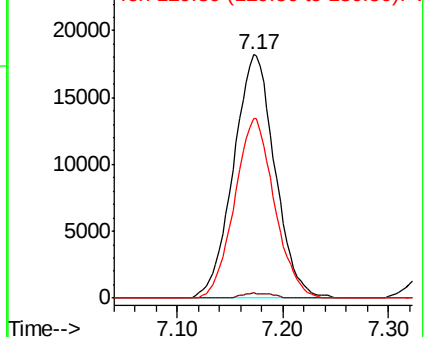
49 100

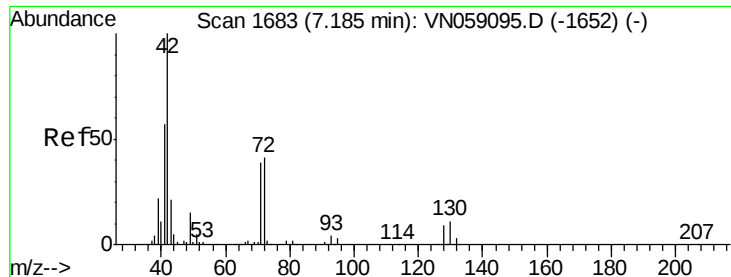
129 1.5 0.0 3.8

130 70.8 55.6 83.4



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: 115.865 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampled :

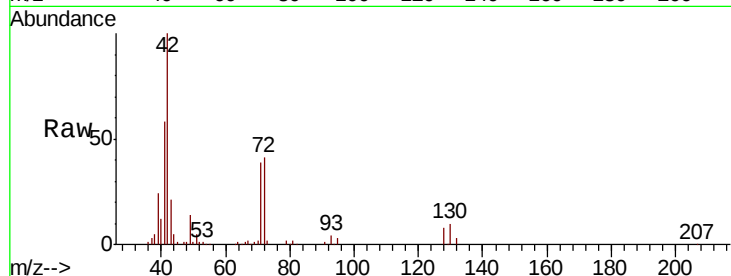
Tot Ion: 42 Resp: 243853

Ion Ratio Lower Upper

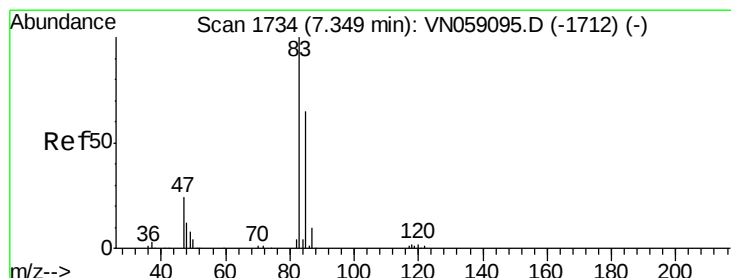
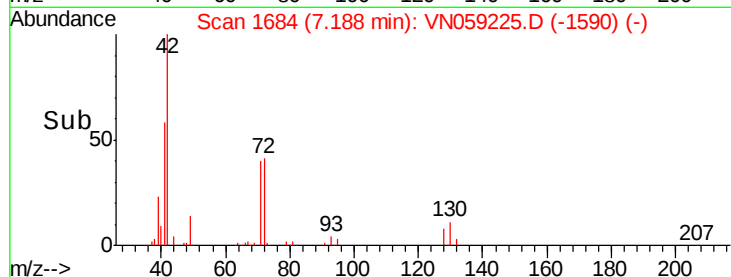
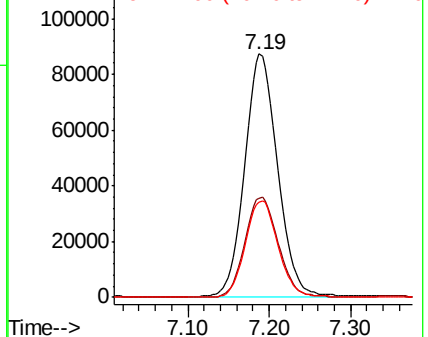
42 100

72 41.4 33.1 49.7

71 39.5 30.9 46.3



Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 21.793 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059225.D

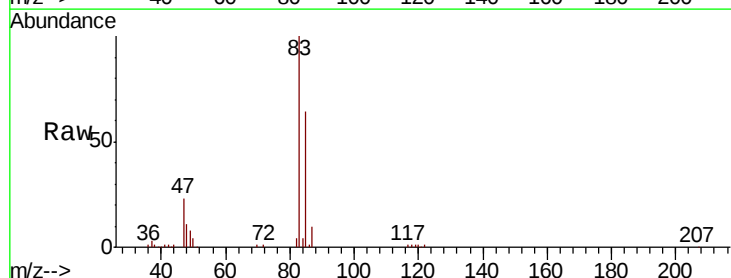
Acq: 14 Nov 2019 12:03

Tgt Ion: 83 Resp: 166155

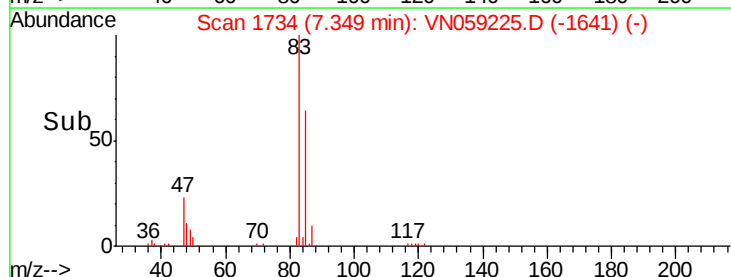
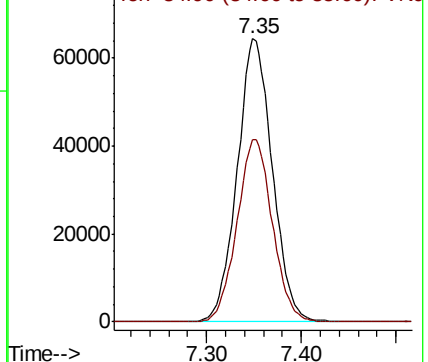
Ion Ratio Lower Upper

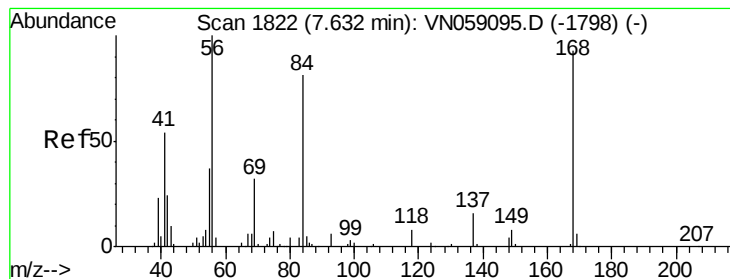
83 100

85 64.5 51.8 77.8



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





#31

Cyclohexane

Concen: 19.098 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampled :

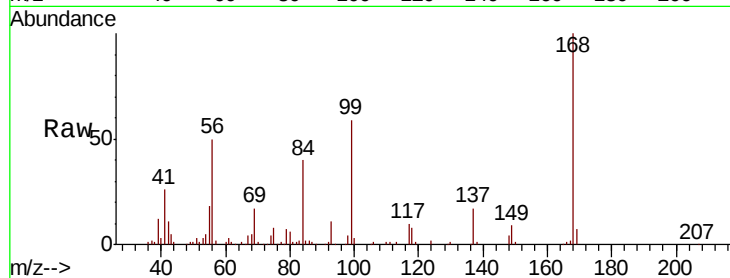
Tot Ion: 56 Resp: 143696

Ion Ratio Lower Upper

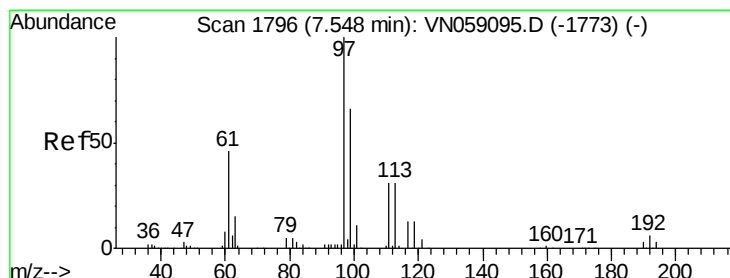
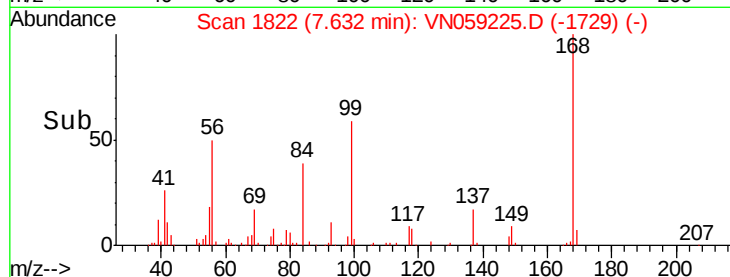
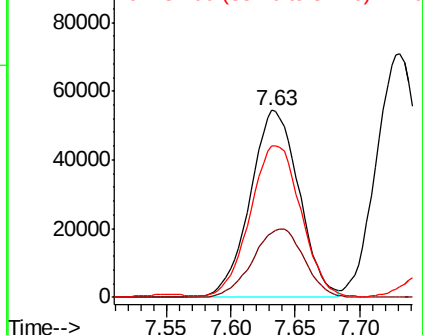
56 100

69 34.7 25.8 38.8

84 79.8 65.0 97.4



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



#32

1,1,1-Trichloroethane

Concen: 21.483 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

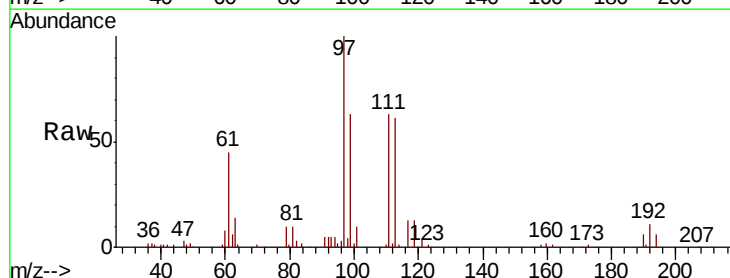
Tgt Ion: 97 Resp: 137704

Ion Ratio Lower Upper

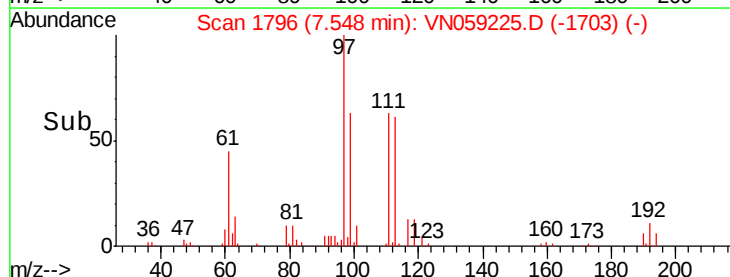
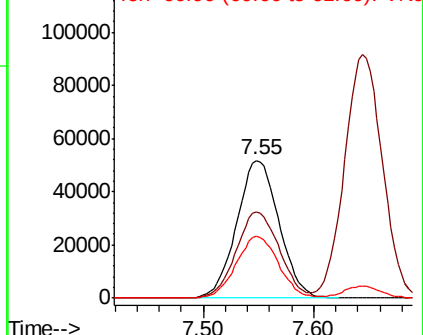
97 100

99 64.0 51.0 76.6

61 44.9 35.8 53.8



Abundance Ion 96.90 (96.60 to 97.60): VN0
Ion 98.90 (98.60 to 99.60): VN0
Ion 60.90 (60.60 to 61.60): VN0

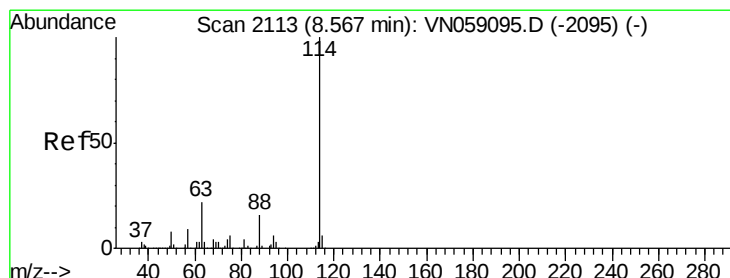
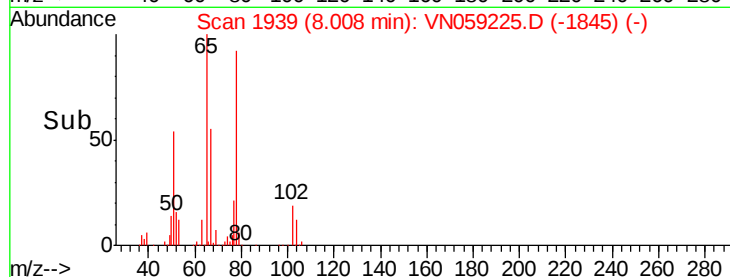
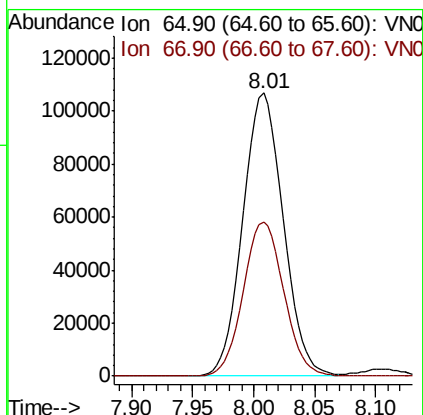
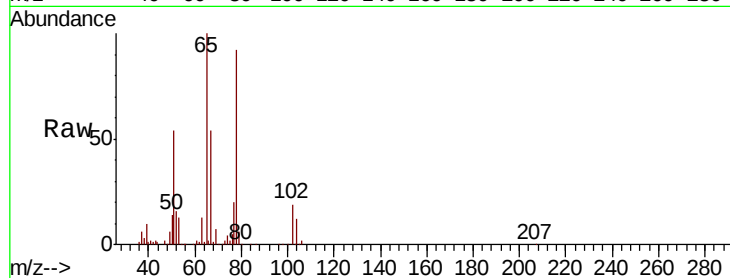




#33
 1,2-Dichloroethane-d4
 Concen: 50.769 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

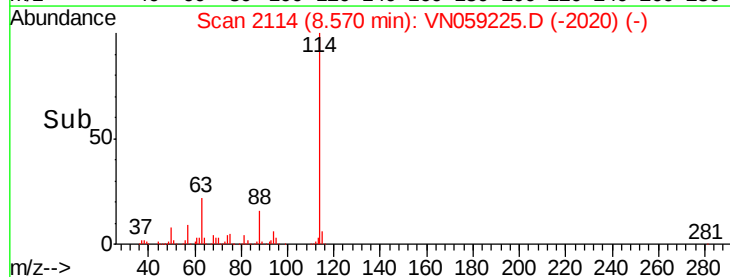
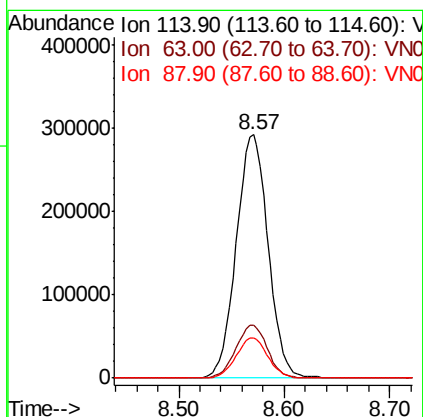
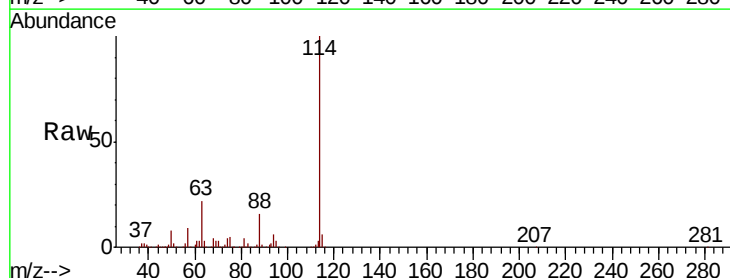
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 65 Resp: 245365
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 114 Resp: 612018
 Ion Ratio Lower Upper
 114 100
 63 21.6 0.0 43.4
 88 16.3 0.0 32.2

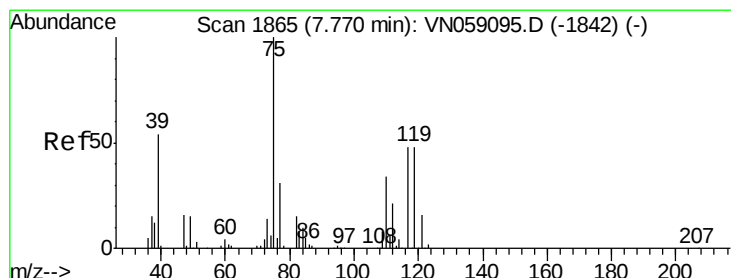
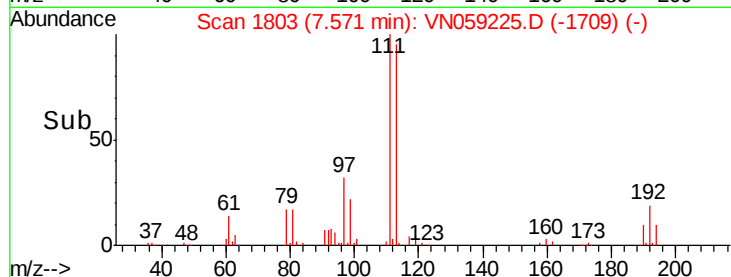
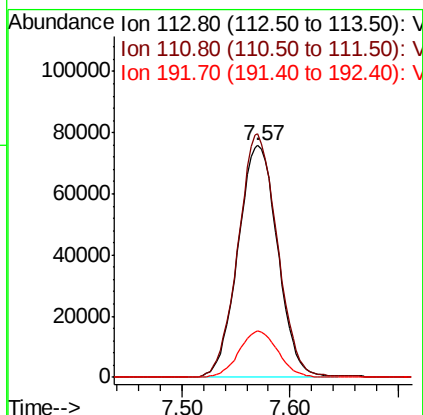
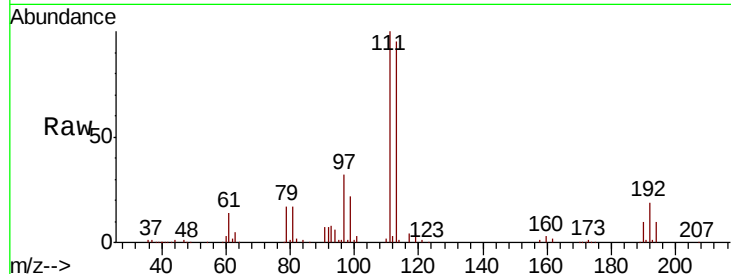




#35
 Dibromofluoromethane
 Concen: 53.075 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

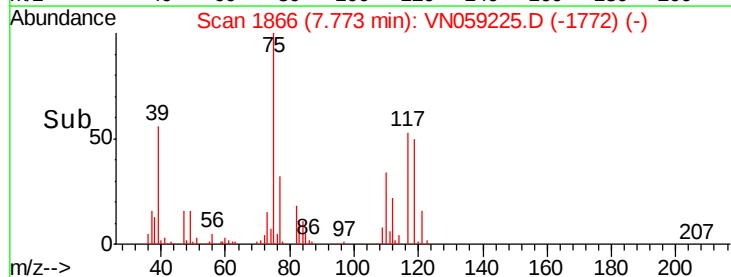
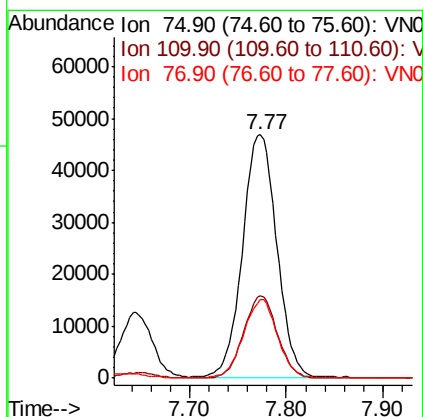
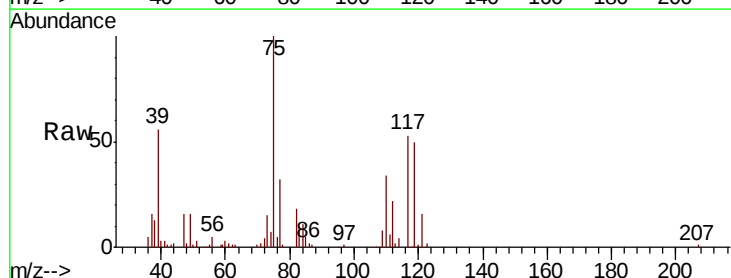
Instrument :
 MSVOA_N
 ClientSampleId :

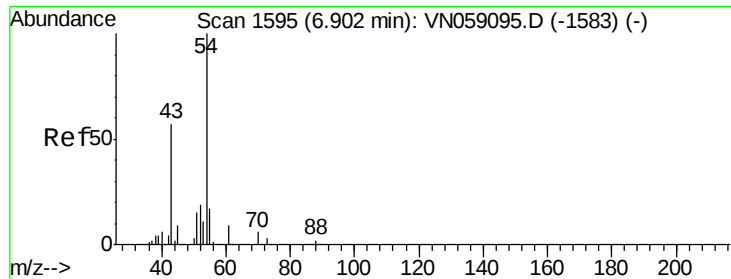
Tot Ion:113 Resp: 193956
 Ion Ratio Lower Upper
 113 100
 111 104.1 82.8 124.2
 192 19.7 16.1 24.1



#36
 1,1-Dichloropropene
 Concen: 20.022 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 75 Resp: 114537
 Ion Ratio Lower Upper
 75 100
 110 33.5 17.1 51.2
 77 32.3 24.8 37.2

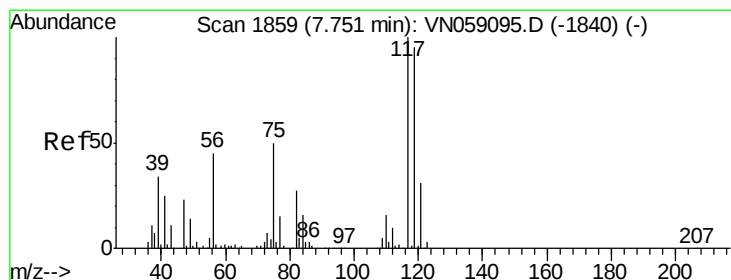
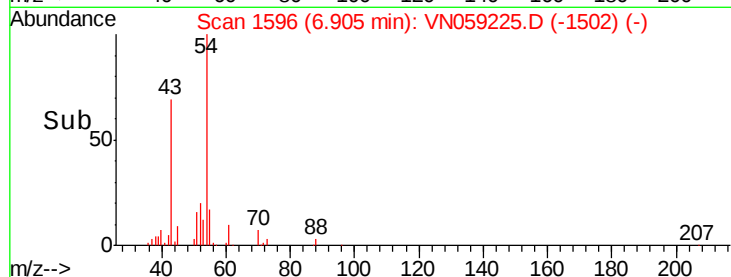
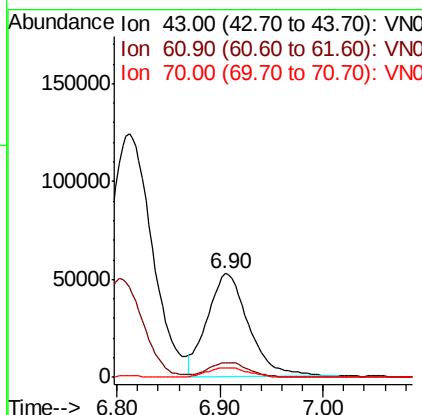
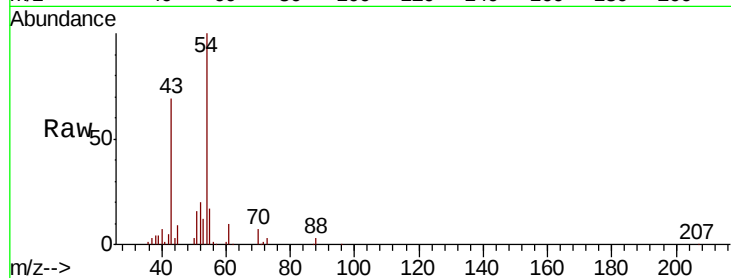




#37
Ethyl Acetate
Concen: 22.984 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

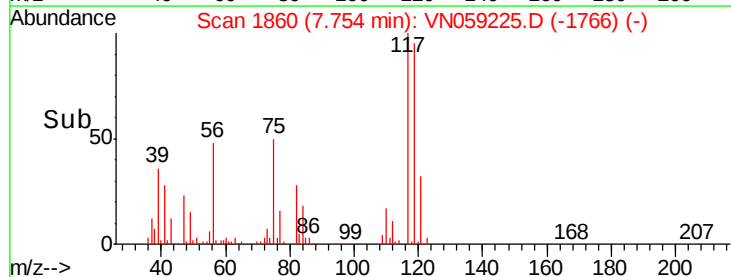
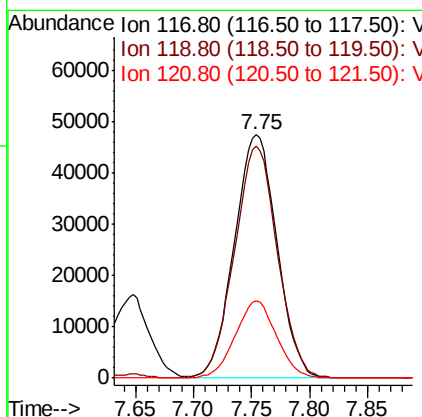
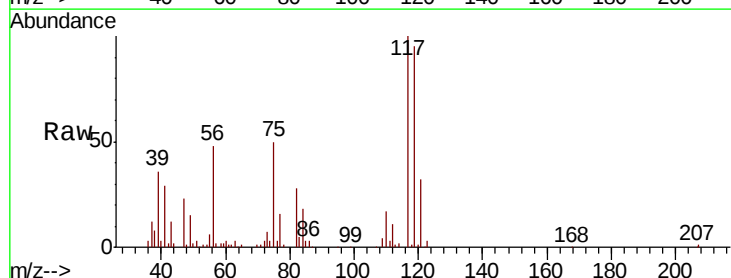
Instrument :
MSVOA_N
ClientSampled :

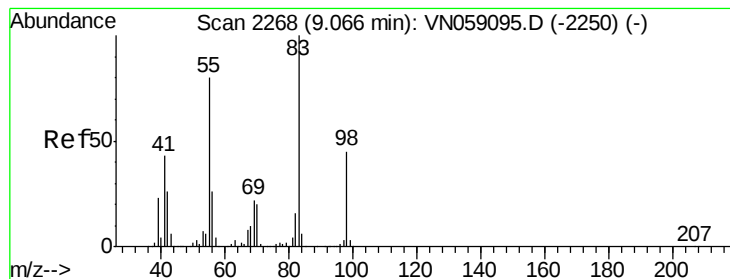
Tot Ion: 43 Resp: 146267
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 9.8 7.8 11.8



#38
Carbon Tetrachloride
Concen: 21.315 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 117 Resp: 121363
Ion Ratio Lower Upper
117 100
119 95.5 75.6 113.4
121 31.9 24.6 36.8

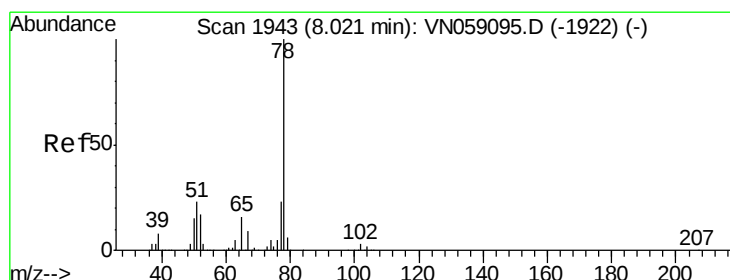
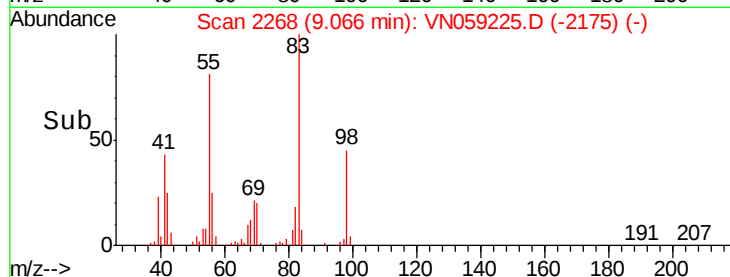
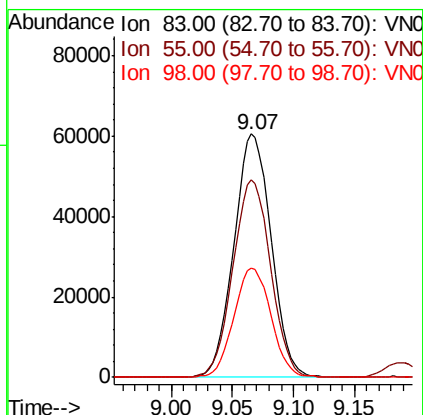
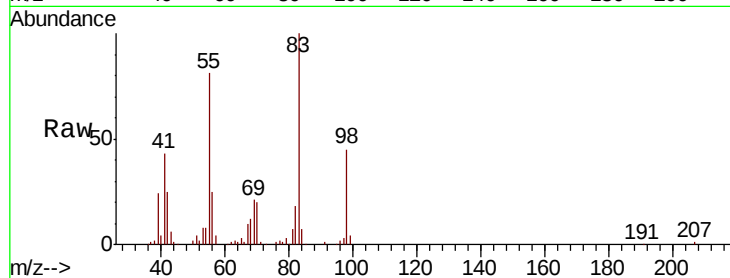




#39
Methvlcvclohexane
Concen: 19.304 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

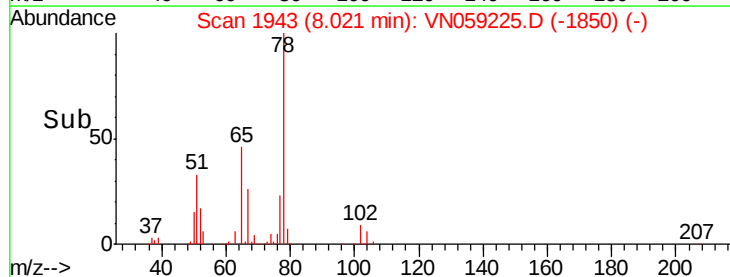
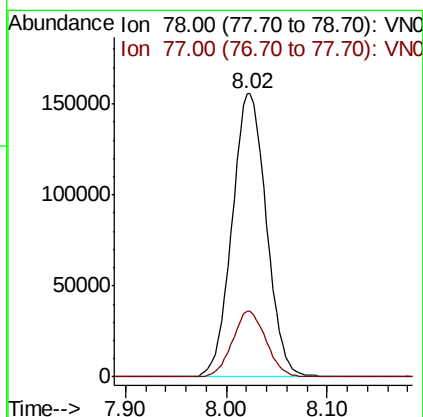
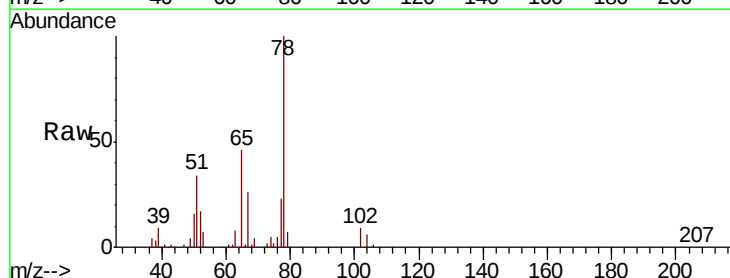
Instrument :
MSVOA_N
ClientSampleId :

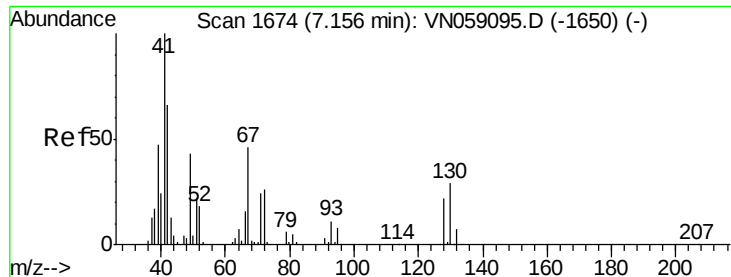
Tot Ion: 83 Resp: 128162
Ion Ratio Lower Upper
83 100
55 81.1 63.9 95.9
98 45.0 35.6 53.4



#40
Benzene
Concen: 21.323 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 78 Resp: 367318
Ion Ratio Lower Upper
78 100
77 23.3 18.8 28.2

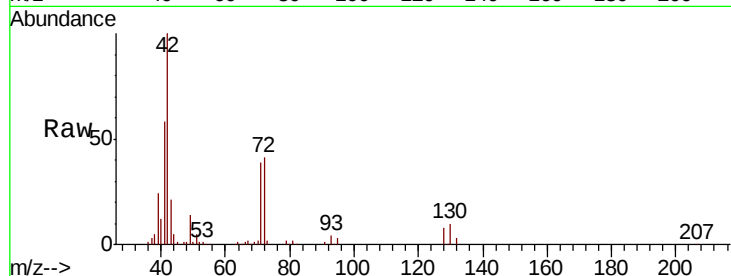




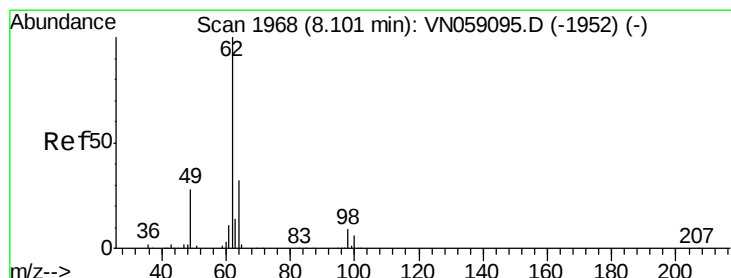
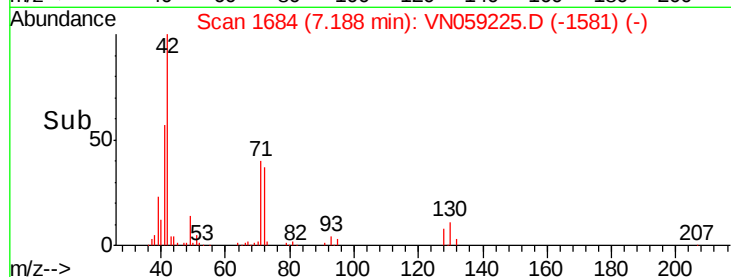
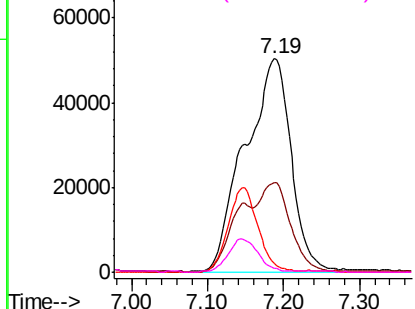
#41
Methacrylonitrile
Concen: 77.031 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:	41	Resp:	213171
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0

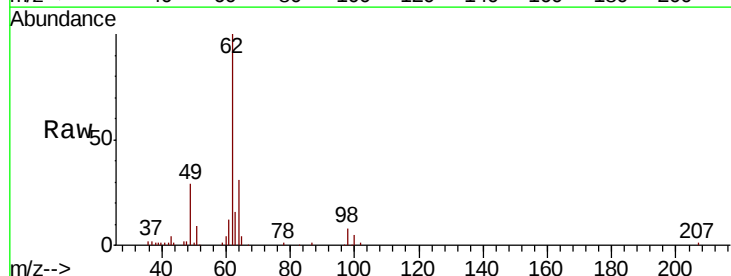


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

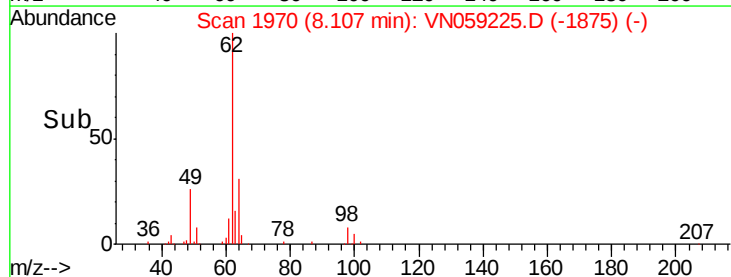
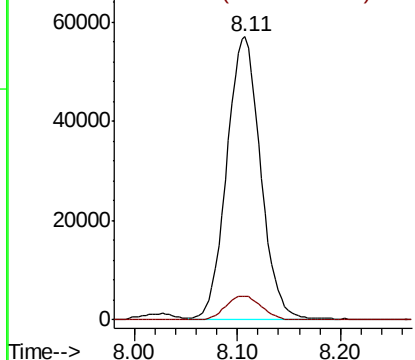


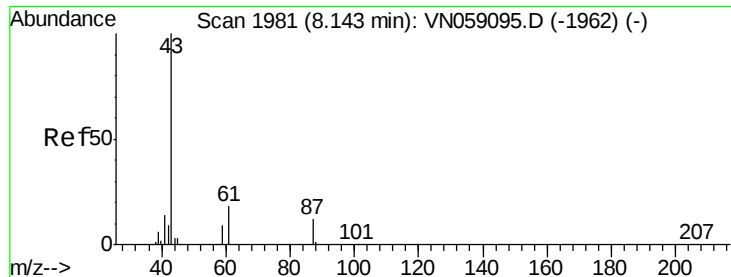
#42
1,2-Dichloroethane
Concen: 21.979 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion:	62	Resp:	129859
Ion	Ratio	Lower	Upper
62	100		
98	8.7	0.0	17.8



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



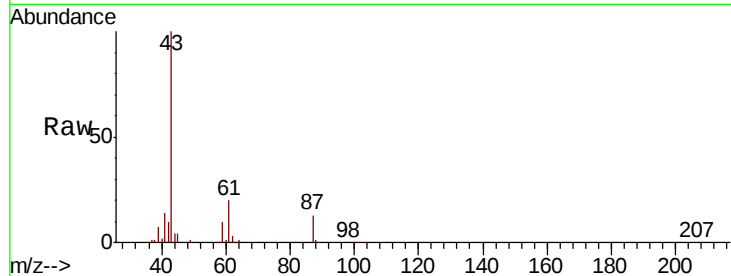


#43

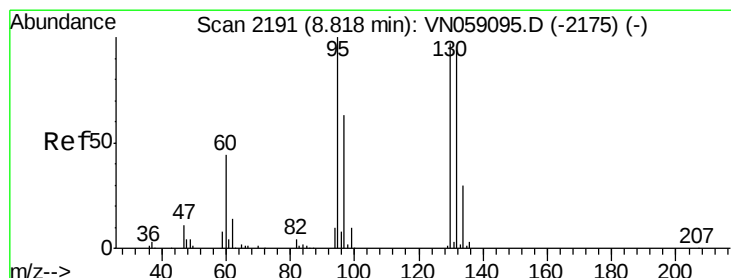
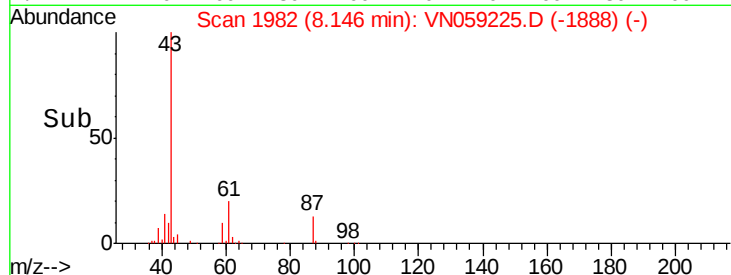
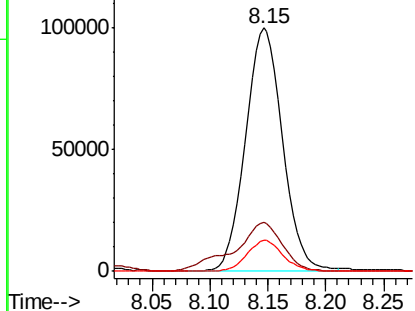
Isopropyl Acetate
 Concen: 21.858 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion: 43 Resp: 221765
 Ion Ratio Lower Upper
 43 100
 61 26.2 21.0 31.6
 87 12.5 9.8 14.6



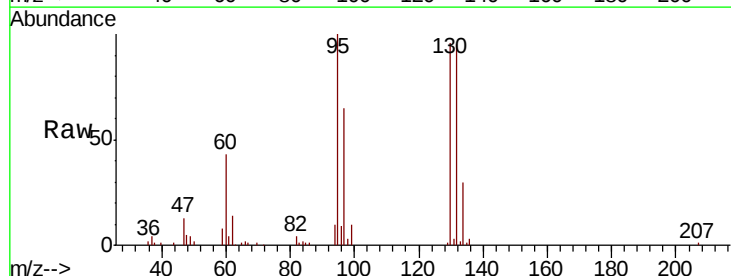
Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 61.00 (60.70 to 61.70): VN0
 Ion 87.00 (86.70 to 87.70): VN0



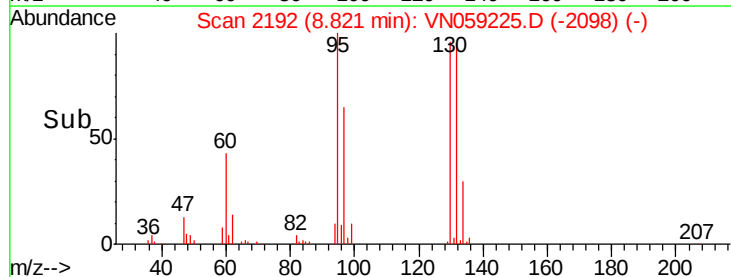
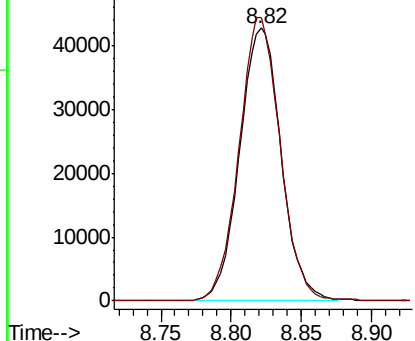
#44

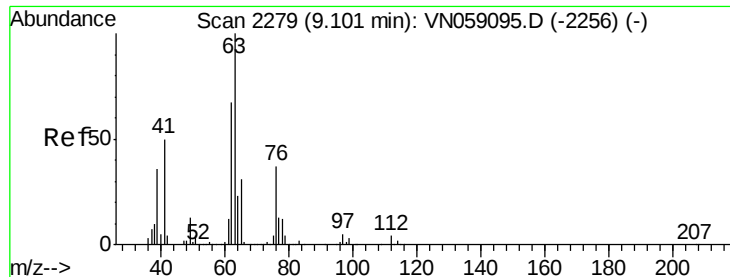
Trichloroethene
 Concen: 20.787 ug/l
 RT: 8.82 min Scan# 2192
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 130 Resp: 88026
 Ion Ratio Lower Upper
 130 100
 95 103.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN0

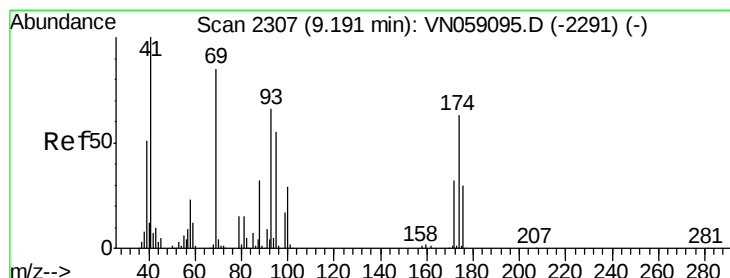
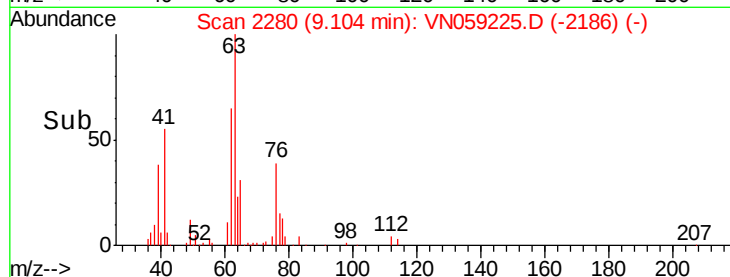
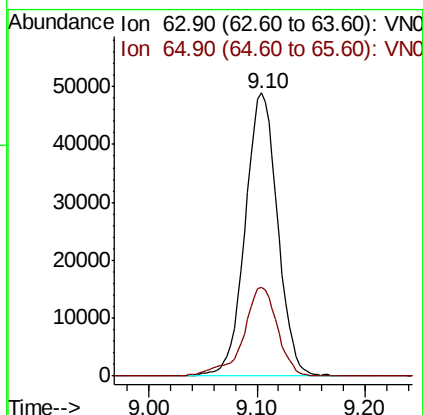
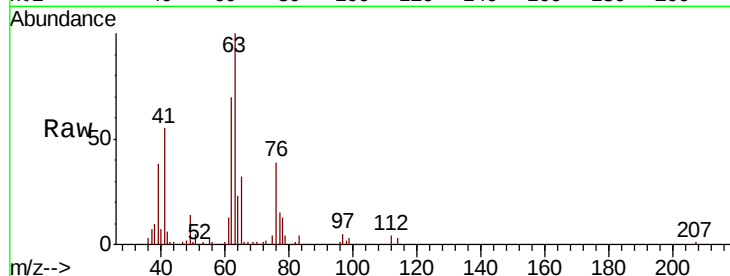




#45
 1,2-Dichloropropane
 Concen: 21.813 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

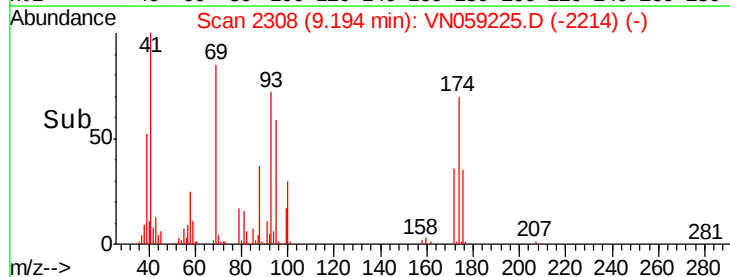
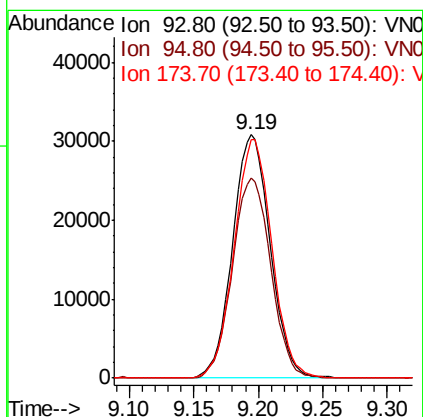
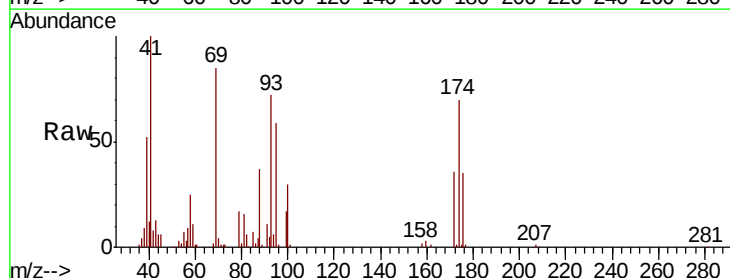
Instrument :
 MSVOA_N
 ClientSampled :

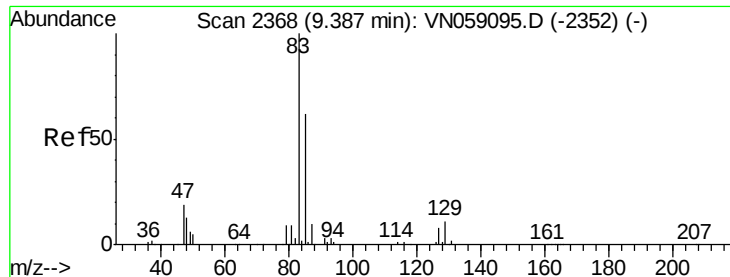
Tot Ion: 63 Resp: 102064
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0



#46
 Dibromomethane
 Concen: 21.463 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 93 Resp: 62580
 Ion Ratio Lower Upper
 93 100
 95 83.7 66.6 100.0
 174 98.4 78.2 117.2





#47

Bromodichloromethane

Concen: 22.021 ug/l

RT: 9.39 min Scan# 2369

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

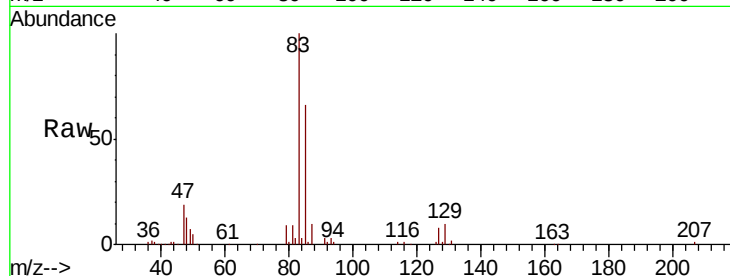
Tot Ion: 83 Resp: 128212

Ion Ratio Lower Upper

83 100

85 66.3 49.7 74.5

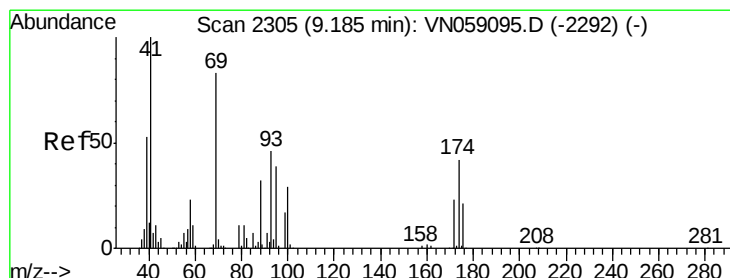
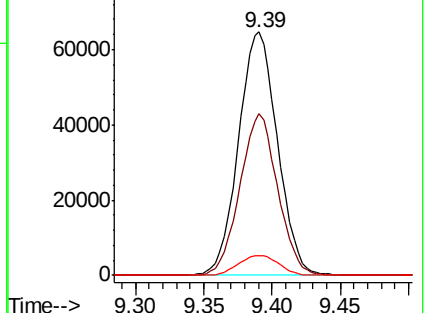
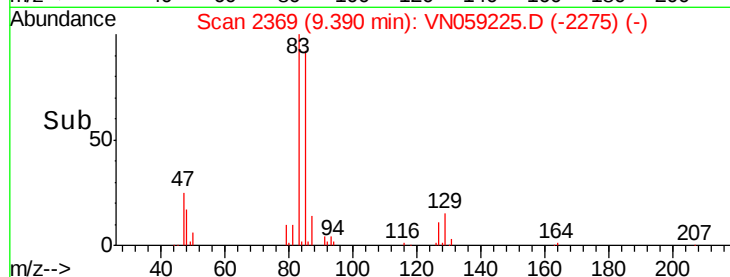
127 8.1 6.4 9.6



Abundance Ion 82.90 (82.60 to 83.60): VN059225.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059225.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059225.D (-2275) (-)



#48

Methyl methacrylate

Concen: 21.303 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

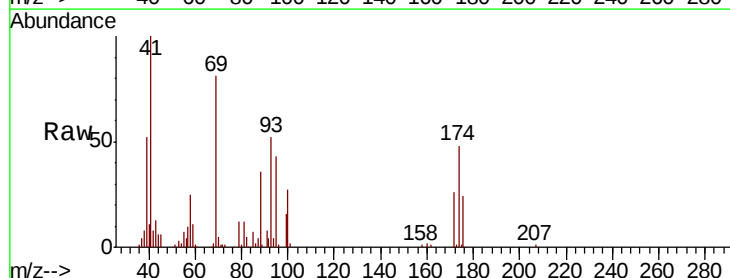
Tgt Ion: 41 Resp: 96679

Ion Ratio Lower Upper

41 100

69 86.3 67.3 100.9

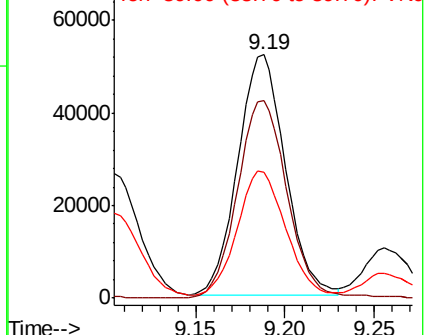
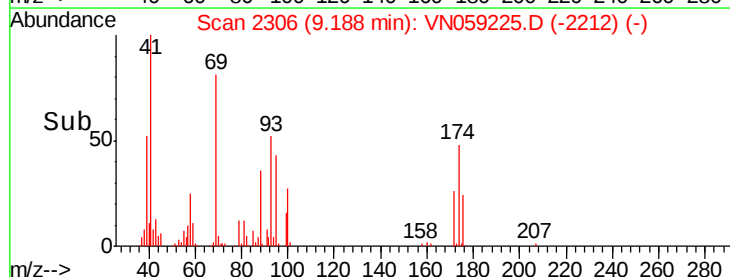
39 54.4 43.3 64.9

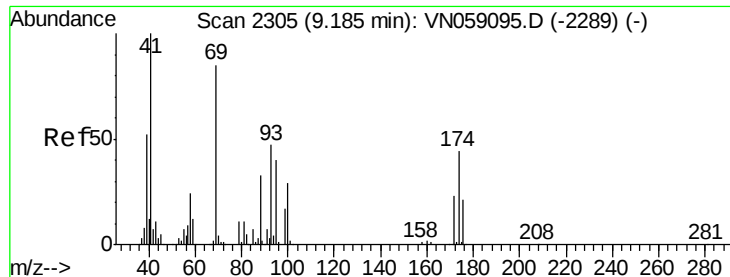


Abundance Ion 41.00 (40.70 to 41.70): VN059225.D (-2212) (-)

Ion 69.00 (68.70 to 69.70): VN059225.D (-2212) (-)

Ion 39.00 (38.70 to 39.70): VN059225.D (-2212) (-)

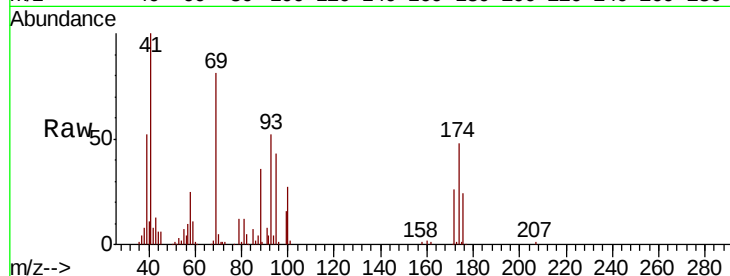




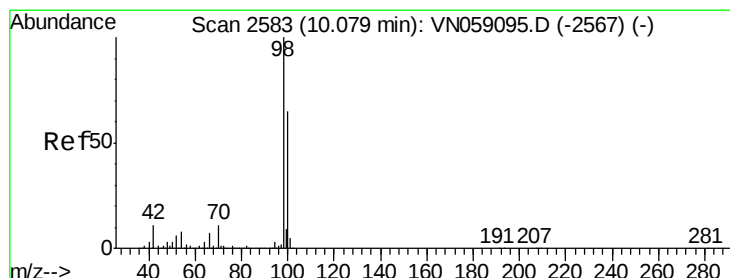
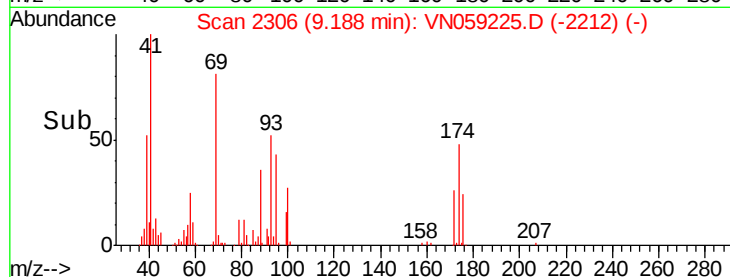
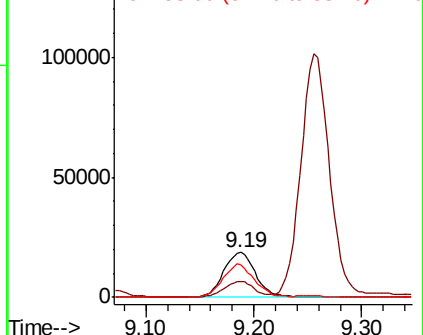
#49
1,4-Dioxane
Concen: 482.392 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 38905
Ion Ratio Lower Upper
88 100
43 34.6 26.3 39.5
58 72.4 60.6 90.8

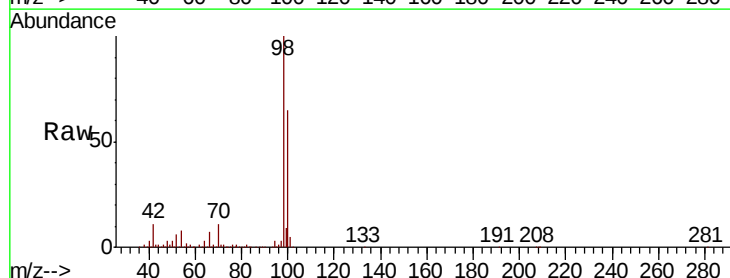


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

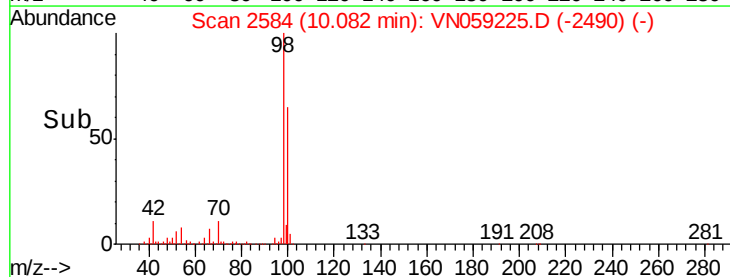
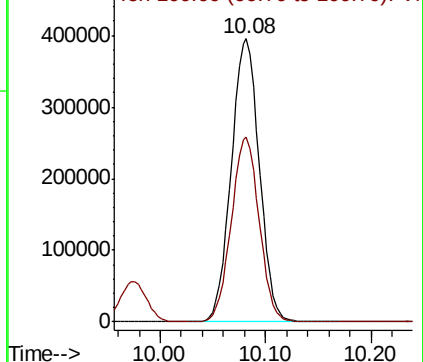


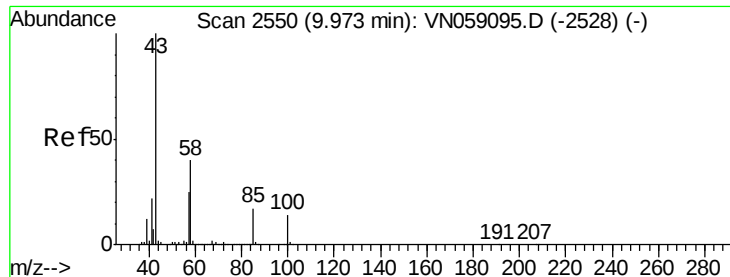
#50
Toluene-d8
Concen: 50.586 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 98 Resp: 728145
Ion Ratio Lower Upper
98 100
100 64.5 52.2 78.2



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





#51

4-Methyl-2-Pentanone

Concen: 126.859 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

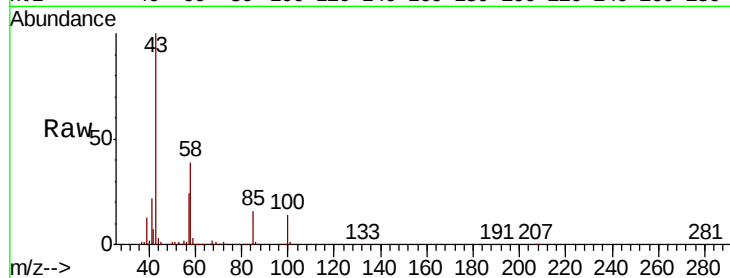
ClientSampleId :

Tot Ion: 43 Resp: 728266

Ion Ratio Lower Upper

43 100

58 38.9 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059095.D (-2528) (-)

9.97

400000

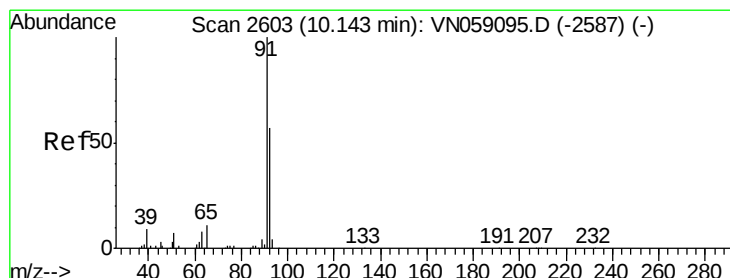
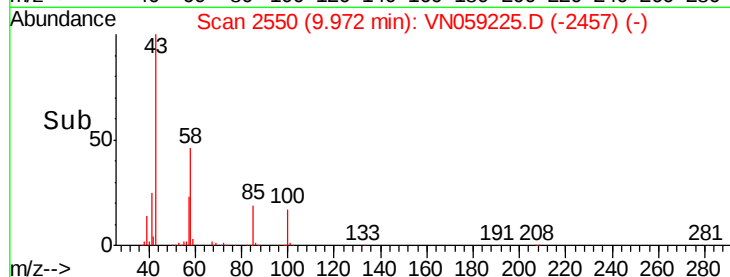
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.534 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059225.D

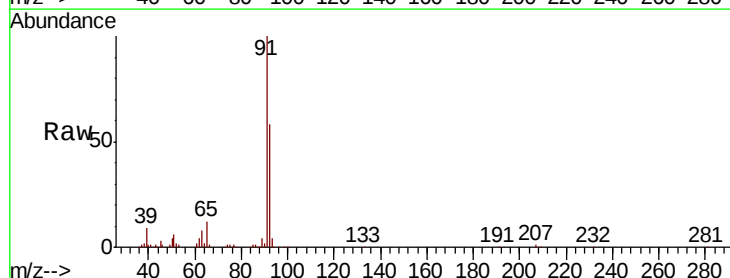
Acq: 14 Nov 2019 12:03

Tgt Ion: 92 Resp: 222344

Ion Ratio Lower Upper

92 100

91 173.4 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN059095.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059095.D (-2587) (-)

250000

200000

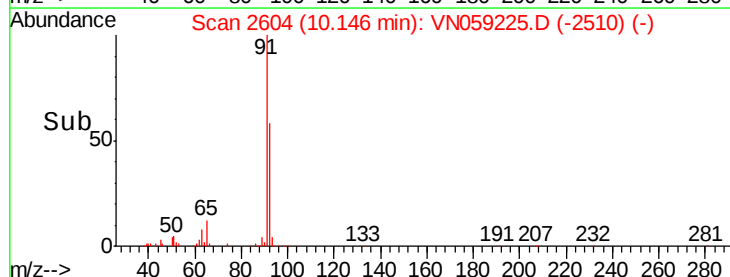
150000

100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.087 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

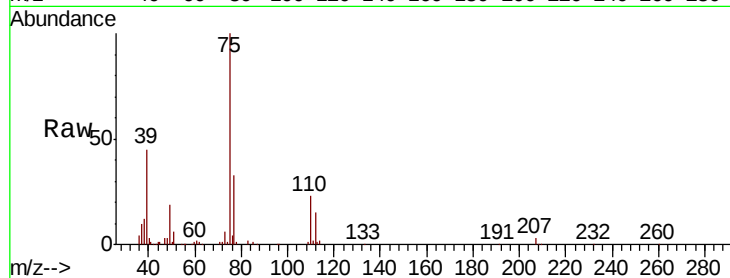
ClientSampled :

Tot Ion: 75 Resp: 141844

Ion Ratio Lower Upper

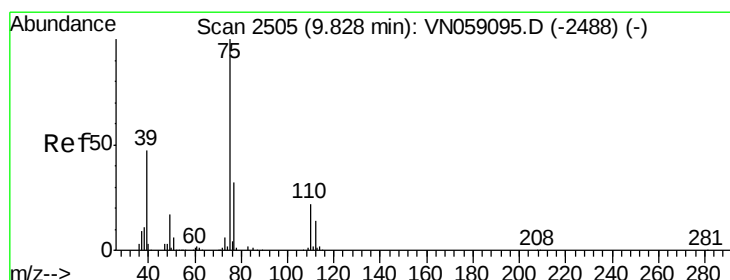
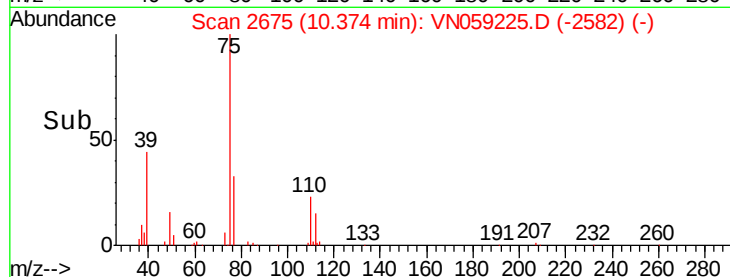
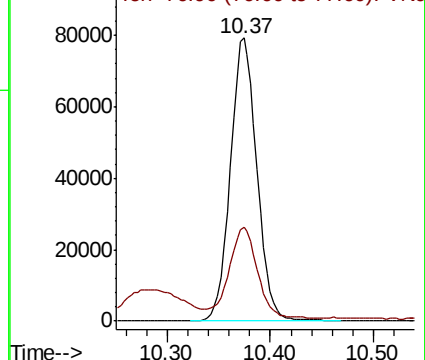
75 100

77 32.0 25.3 37.9



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO



#54

cis-1,3-Dichloropropene

Concen: 21.064 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

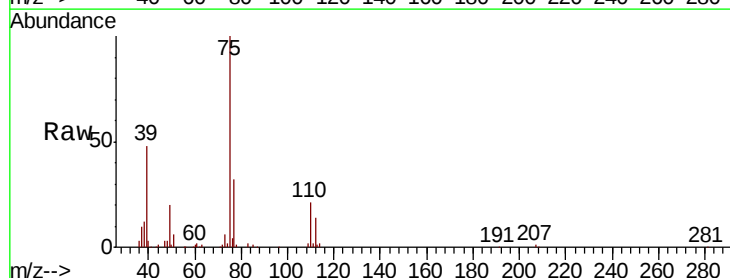
Tgt Ion: 75 Resp: 152410

Ion Ratio Lower Upper

75 100

77 31.9 25.5 38.3

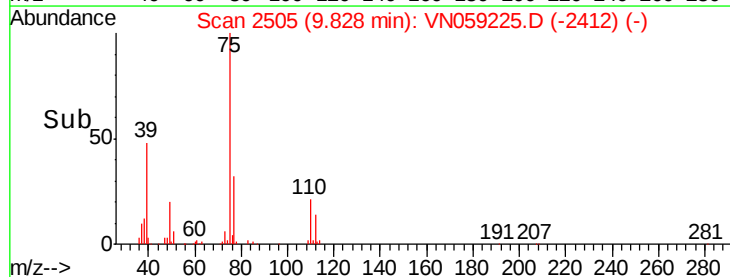
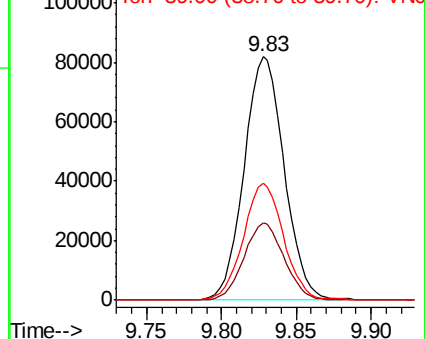
39 48.1 37.3 55.9

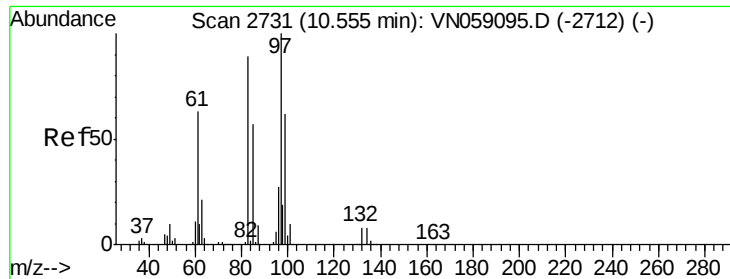


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 76.90 (76.60 to 77.60): VNO

Ion 39.00 (38.70 to 39.70): VNO





#55

1,1,2-Trichloroethane

Concen: 21.945 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 91703

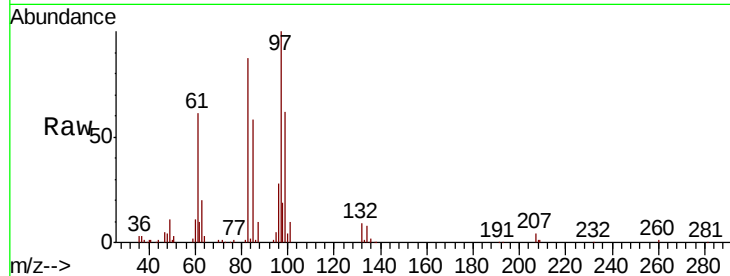
Ion Ratio Lower Upper

97 100

83 86.9 71.0 106.4

85 58.1 45.8 68.8

99 62.5 49.4 74.0

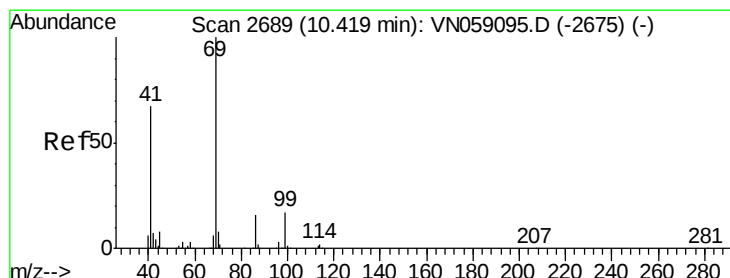
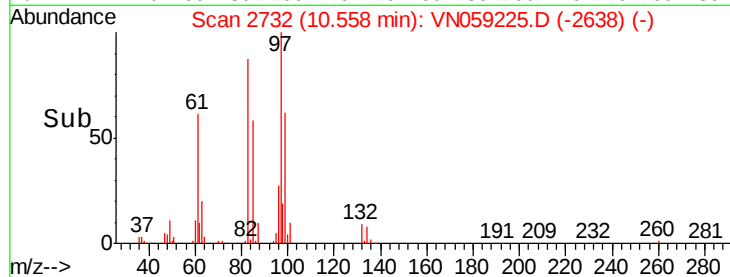
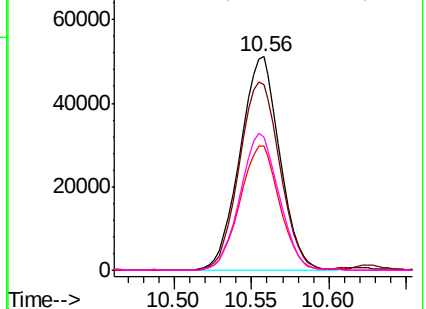


Abundance Ion 96.90 (96.60 to 97.60): VN059225.D (-2638) (-)

Ion 82.90 (82.60 to 83.60): VN059225.D (-2638) (-)

Ion 84.90 (84.60 to 85.60): VN059225.D (-2638) (-)

Ion 98.90 (98.60 to 99.60): VN059225.D (-2638) (-)



#56

Ethyl methacrylate

Concen: 20.621 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

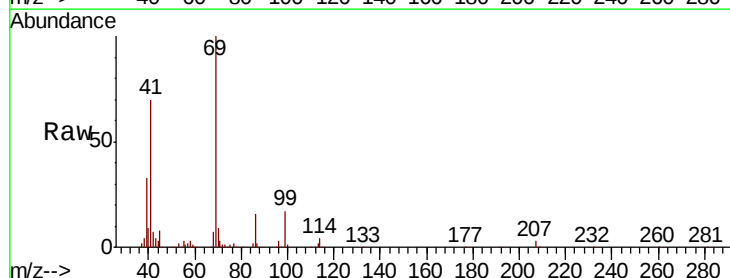
Tgt Ion: 69 Resp: 135752

Ion Ratio Lower Upper

69 100

41 67.7 53.6 80.4

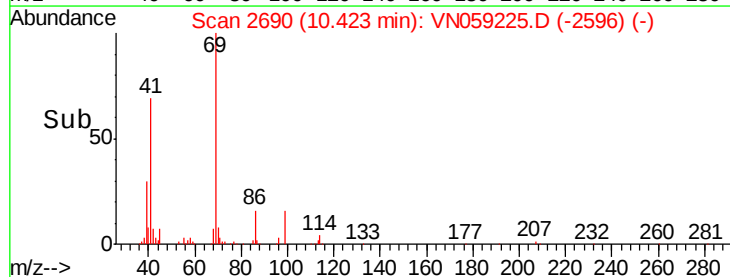
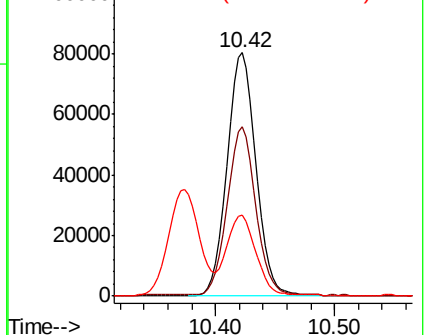
39 32.7 26.2 39.4

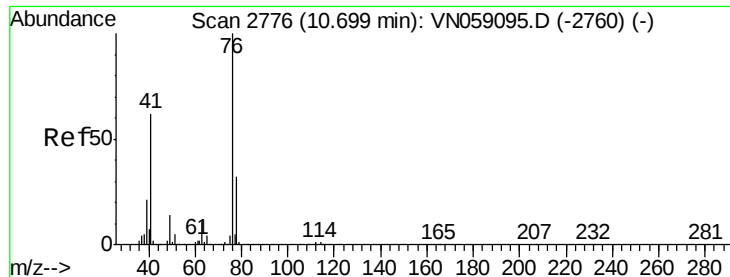


Abundance Ion 69.00 (68.70 to 69.70): VN059225.D (-2596) (-)

Ion 41.00 (40.70 to 41.70): VN059225.D (-2596) (-)

Ion 39.00 (38.70 to 39.70): VN059225.D (-2596) (-)





#57

1,3-Dichloropropane

Concen: 21.879 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

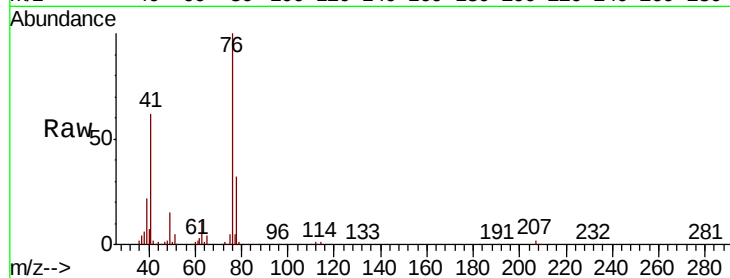
ClientSampled :

Tot Ion: 76 Resp: 157355

Ion Ratio Lower Upper

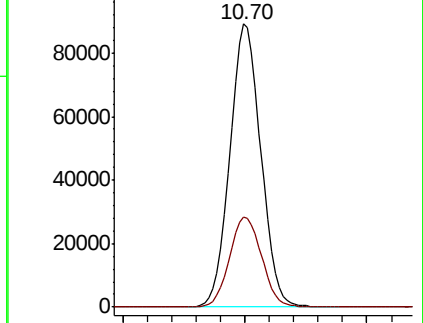
76 100

78 33.2 25.8 38.8

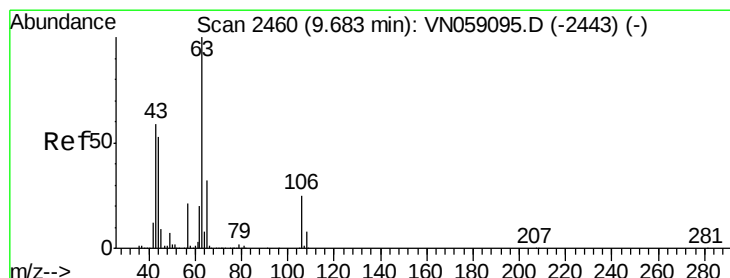
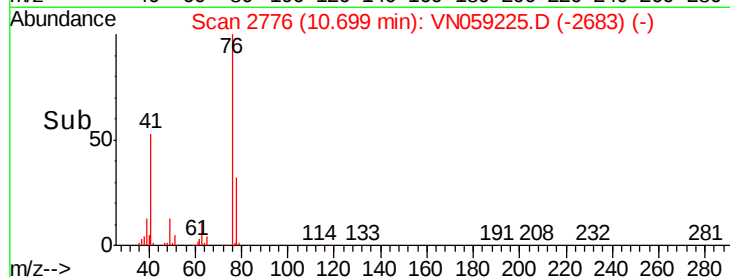


Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 112.891 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059225.D

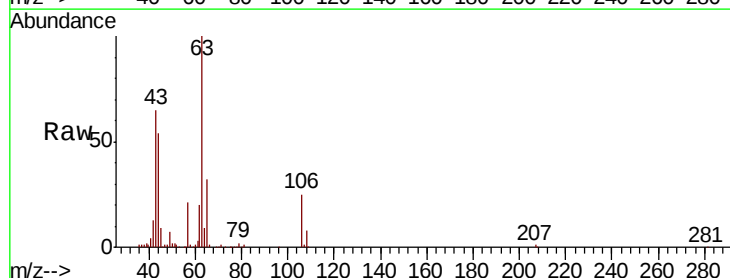
Acq: 14 Nov 2019 12:03

Tgt Ion: 63 Resp: 262534

Ion Ratio Lower Upper

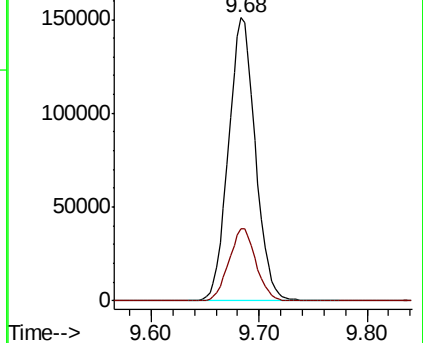
63 100

106 25.6 20.2 30.2

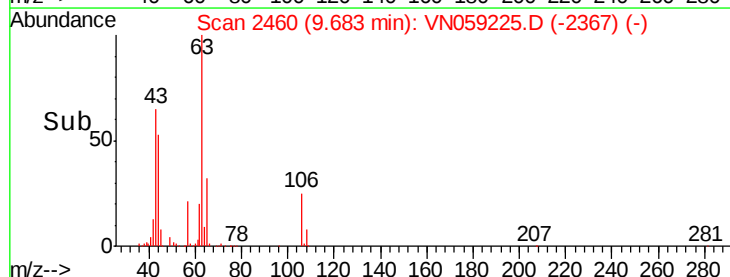


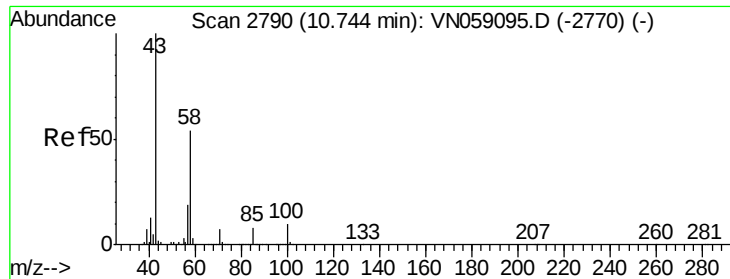
Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V



Time--> 9.60 9.70 9.80

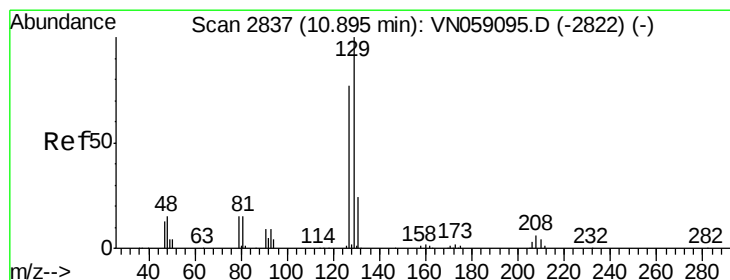
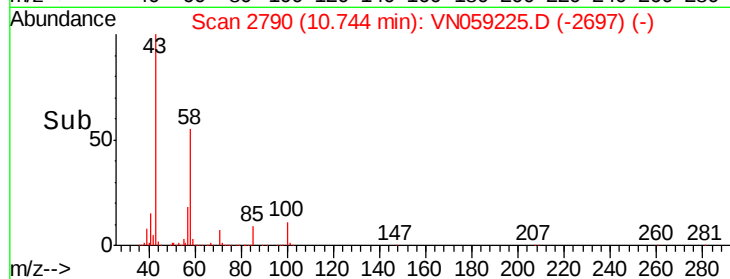
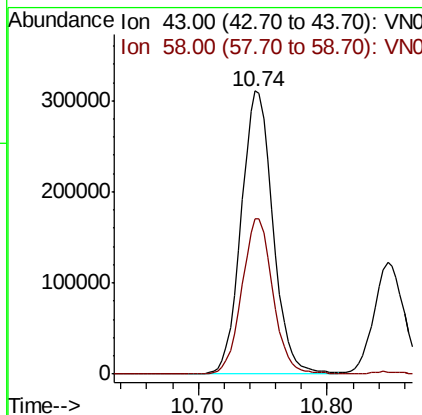
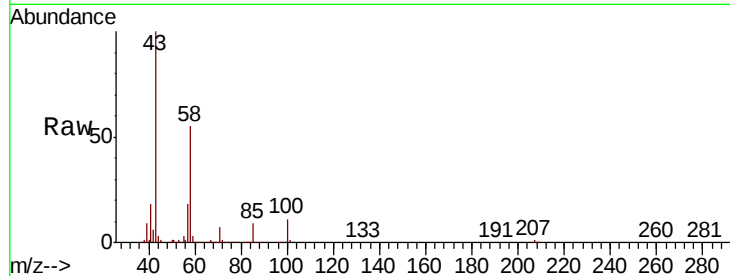




#59
2-Hexanone
Concen: 120.332 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

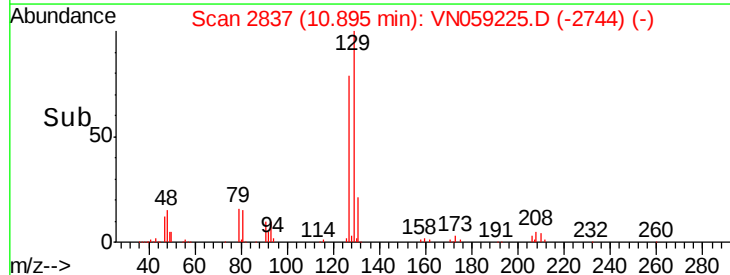
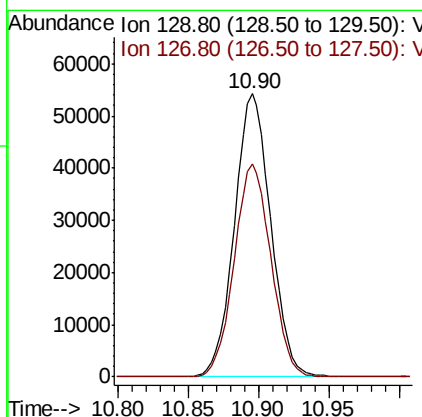
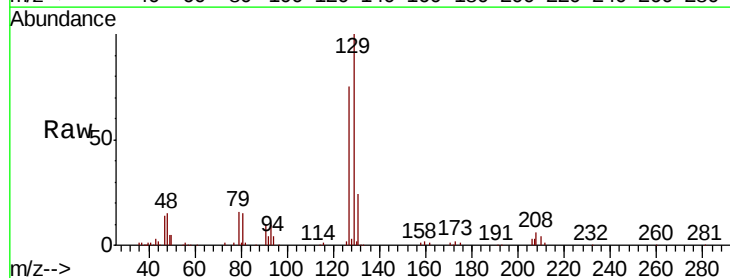
Instrument :
MSVOA_N
ClientSampleId :

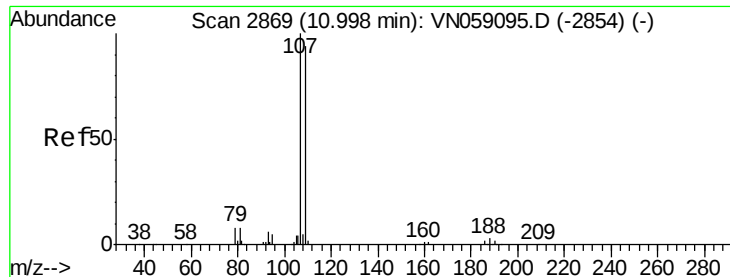
Tot Ion: 43 Resp: 530215
Ion Ratio Lower Upper
43 100
58 53.9 27.3 81.8



#60
Dibromochloromethane
Concen: 22.158 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 129 Resp: 97898
Ion Ratio Lower Upper
129 100
127 76.0 38.6 115.8

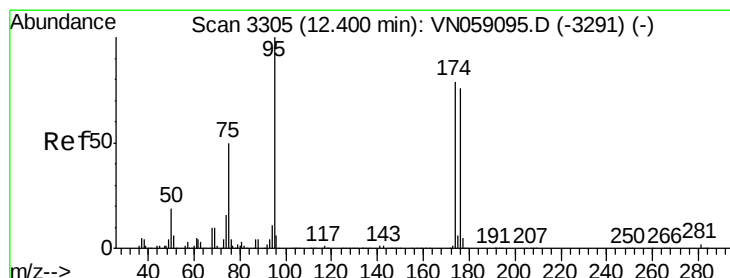
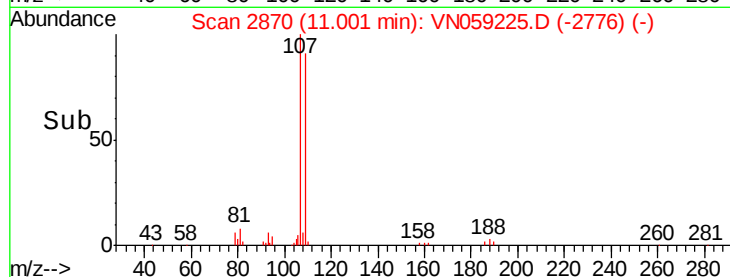
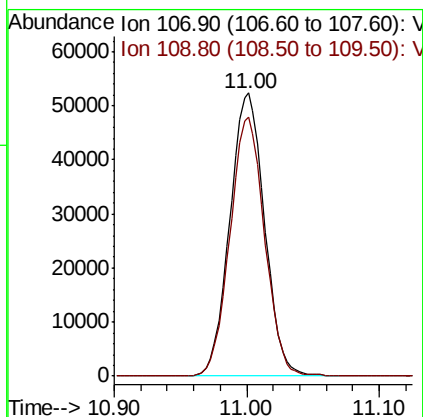
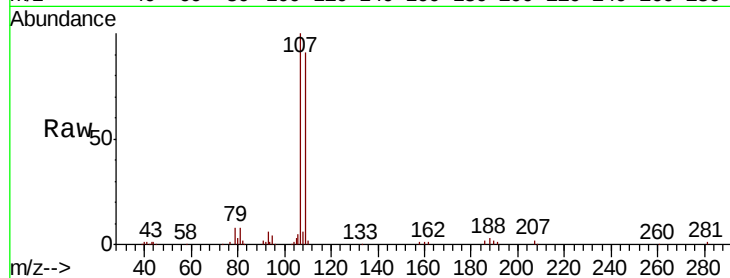




#61
 1,2-Dibromoethane
 Concen: 22.461 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

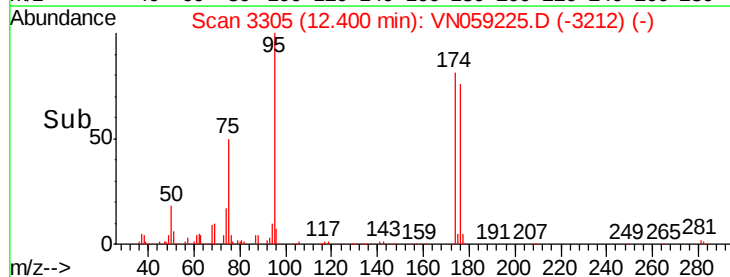
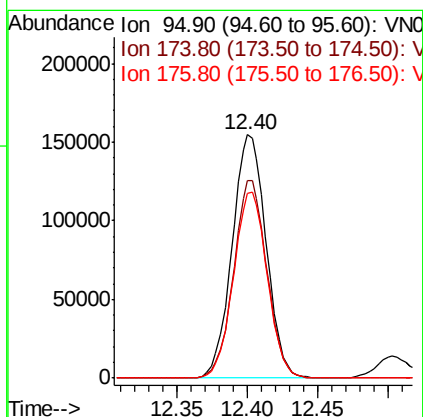
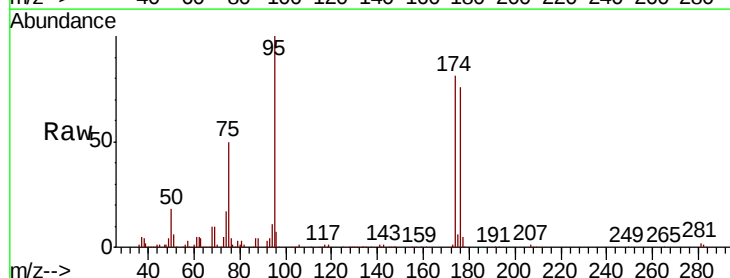
Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:107 Resp: 95013
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.5 113.3



#62
 4-Bromofluorobenzene
 Concen: 50.280 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion: 95 Resp: 260954
 Ion Ratio Lower Upper
 95 100
 174 79.1 0.0 158.2
 176 76.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

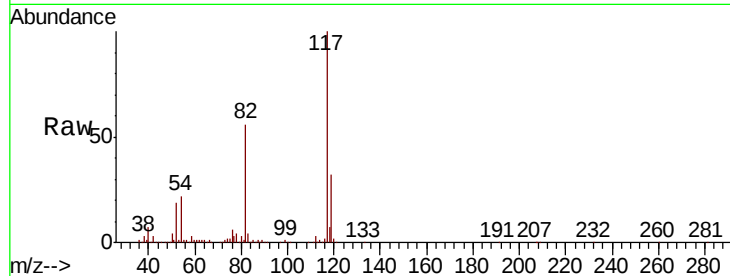
Tot Ion:117 Resp: 569152

Ion Ratio Lower Upper

117 100

82 56.1 45.8 68.8

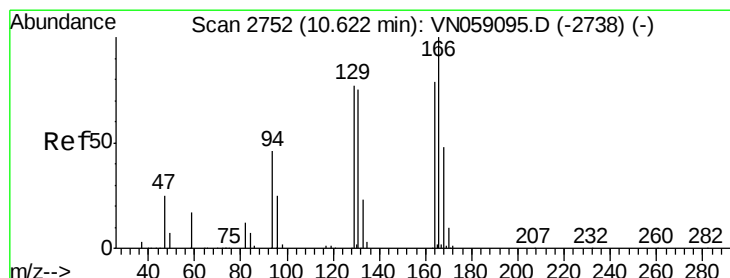
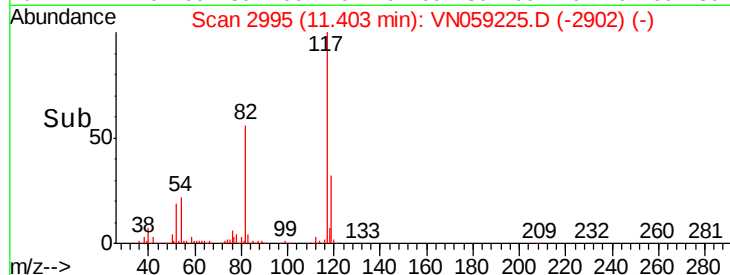
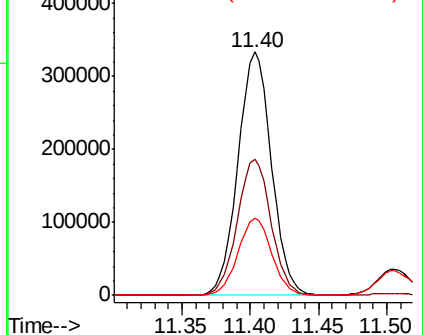
119 31.8 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.324 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:164 Resp: 78656

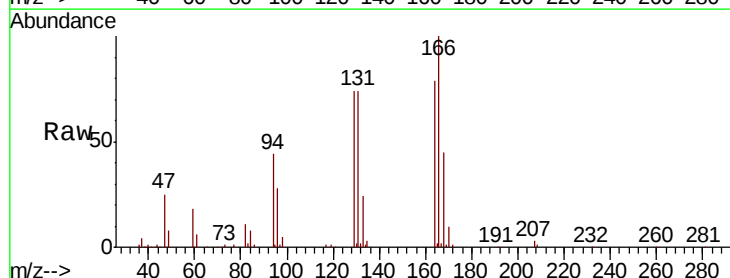
Ion Ratio Lower Upper

164 100

166 125.8 101.5 152.3

129 93.3 78.3 117.5

131 92.5 75.9 113.9

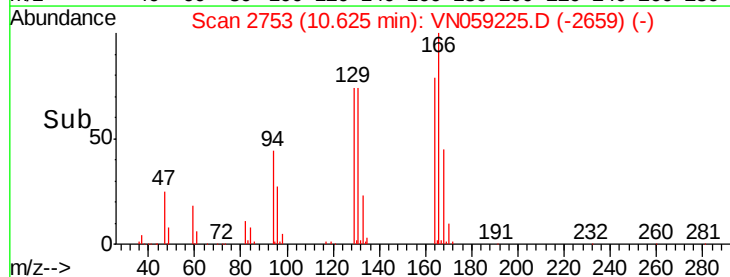
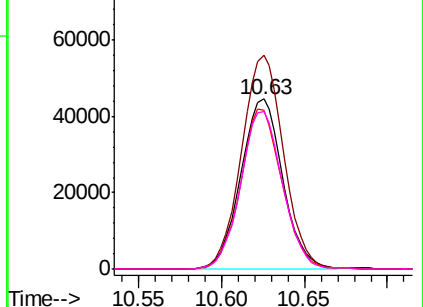


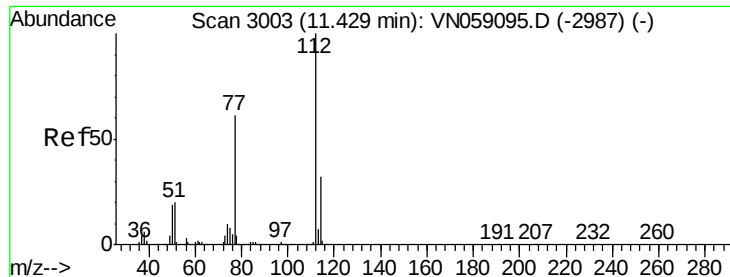
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 21.060 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

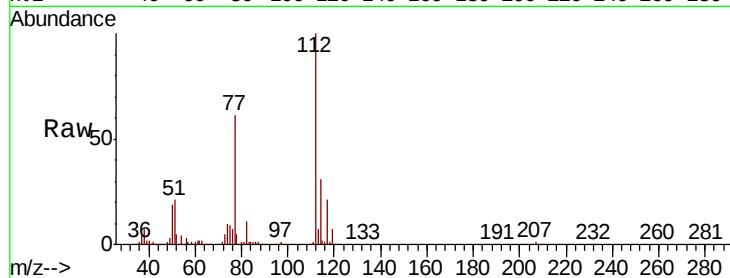
ClientSampleId :

Tot Ion:112 Resp: 233665

Ion Ratio Lower Upper

112 100

114 31.4 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V

11.43

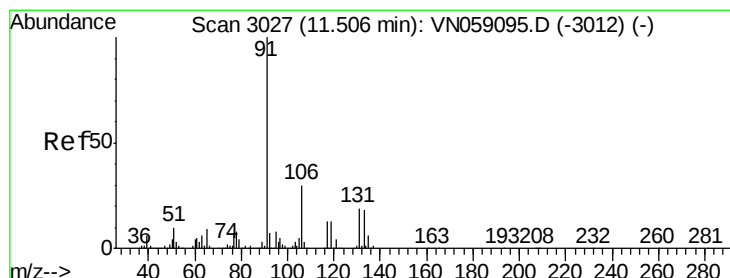
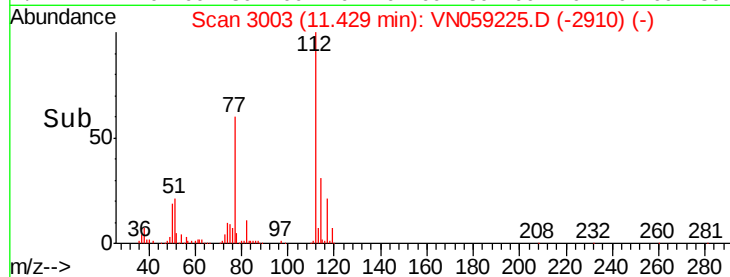
150000

100000

50000

0

Time-->



#66

1,1,1,2-Tetrachloroethane

Concen: 21.995 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

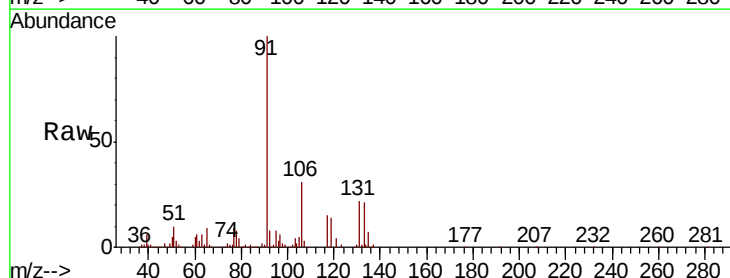
Tgt Ion:131 Resp: 91544

Ion Ratio Lower Upper

131 100

133 96.0 47.4 142.3

119 65.3 33.2 99.6



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V

100000

80000

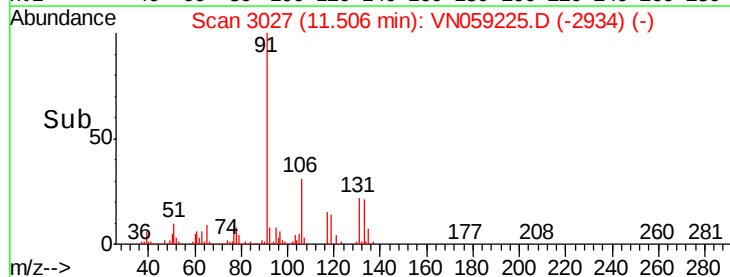
60000

40000

20000

0

Time-->





#67

Ethyl Benzene

Concen: 20.994 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

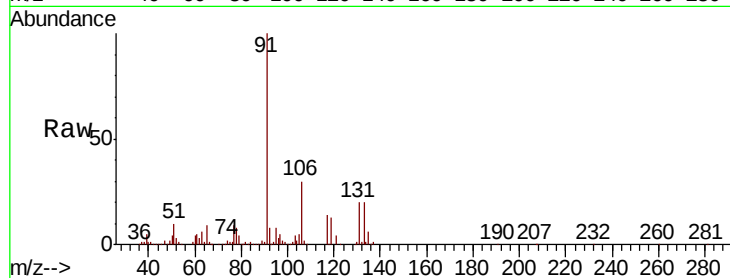
ClientSampleId :

Tot Ion: 91 Resp: 413259

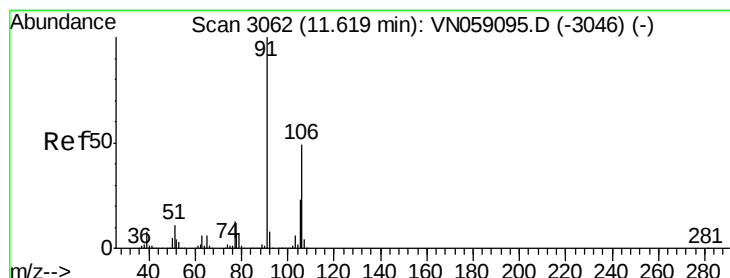
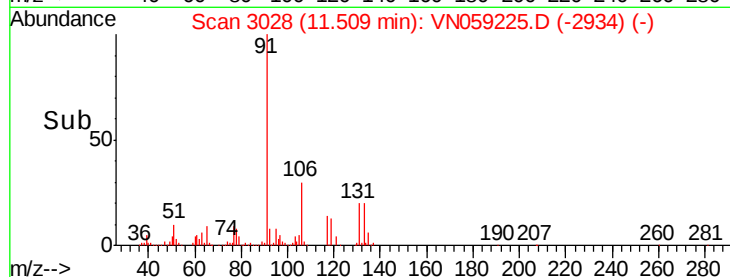
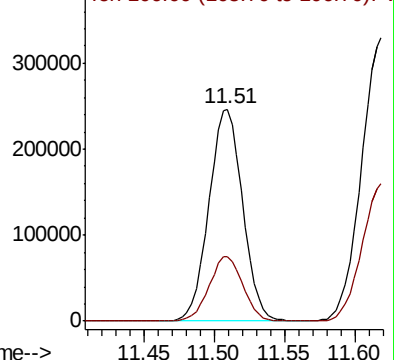
Ion Ratio Lower Upper

91 100

106 30.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3012) (-)



#68

m/p-Xylenes

Concen: 41.097 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059225.D

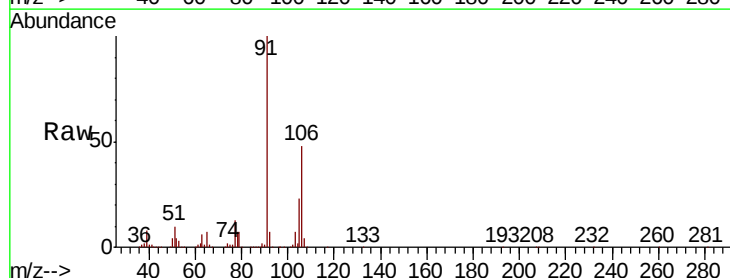
Acq: 14 Nov 2019 12:03

Tgt Ion: 106 Resp: 303041

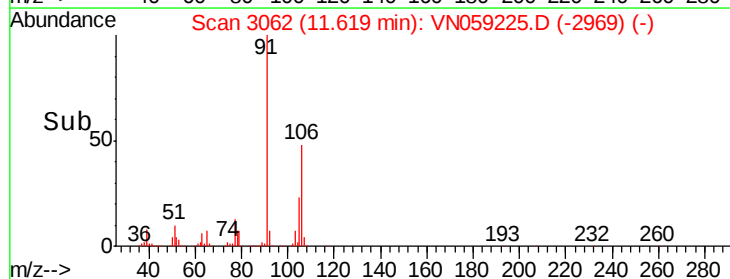
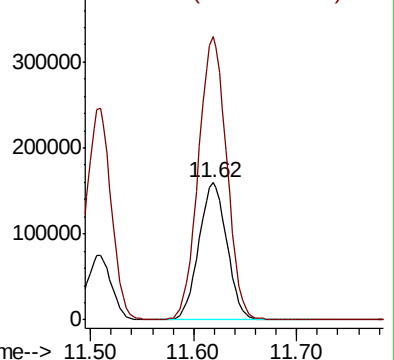
Ion Ratio Lower Upper

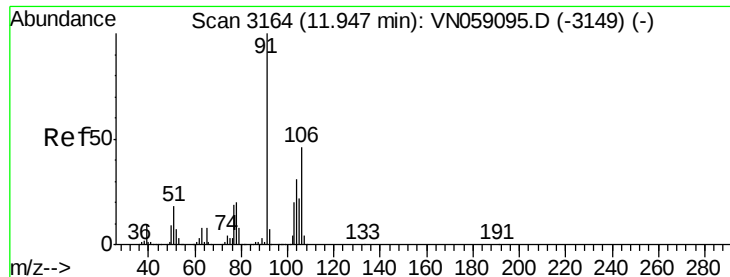
106 100

91 207.1 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): VN059095.D (-3046) (-)

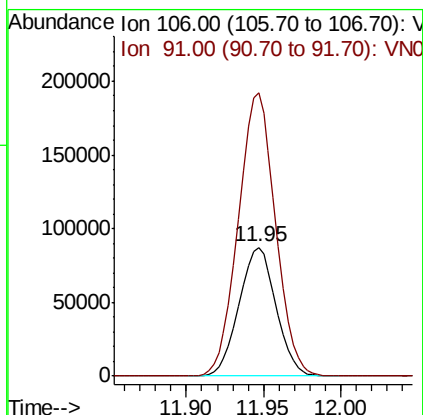
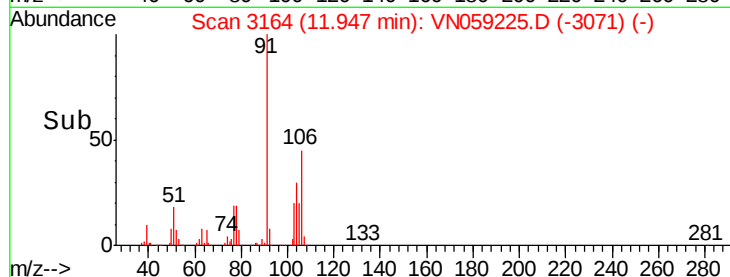
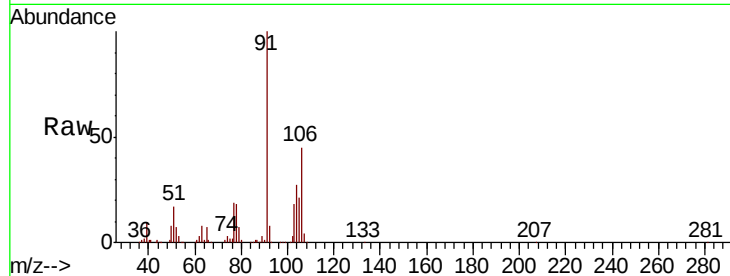




#69
o-Xylene
Concen: 20.313 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

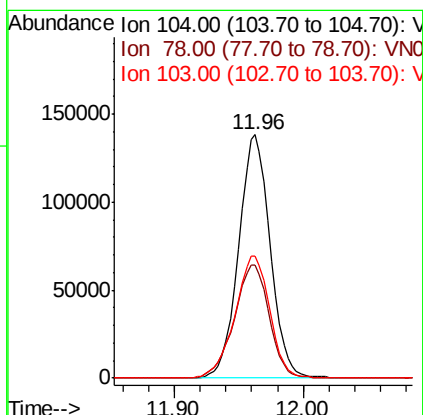
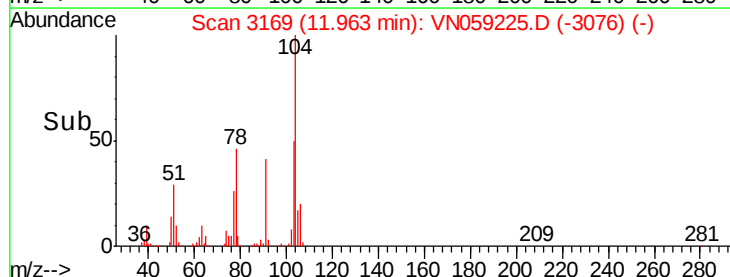
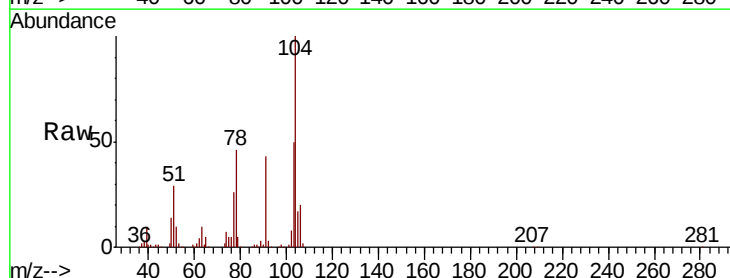
Instrument :
MSVOA_N
ClientSampled :

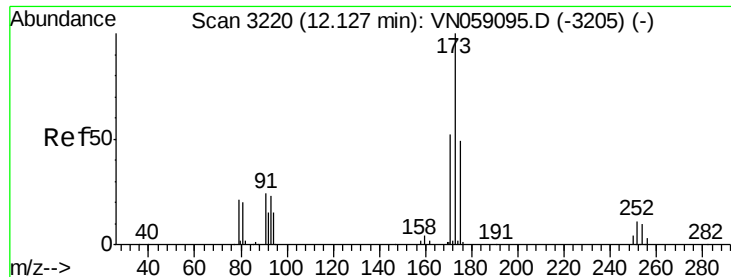
Tot Ion:106 Resp: 144749
Ion Ratio Lower Upper
106 100
91 221.9 110.1 330.3



#70
Styrene
Concen: 20.976 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion:104 Resp: 235082
Ion Ratio Lower Upper
104 100
78 51.8 41.2 61.8
103 55.5 43.8 65.6





#71

Bromoform

Concen: 21.660 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

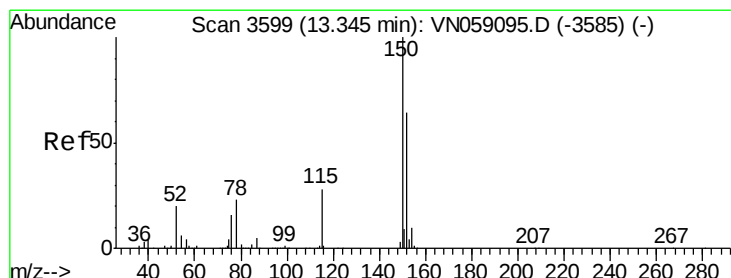
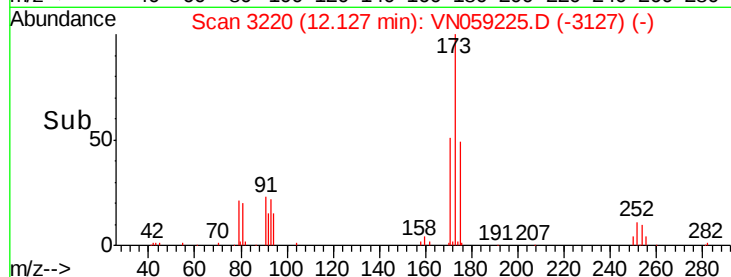
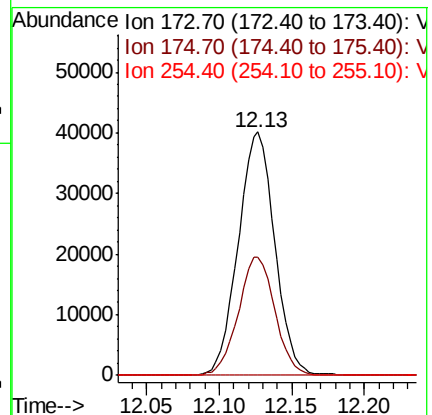
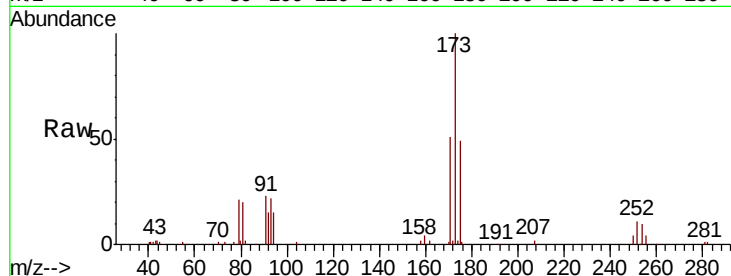
Tot Ion:173 Resp: 70122

Ion Ratio Lower Upper

173 100

175 48.6 24.2 72.6

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

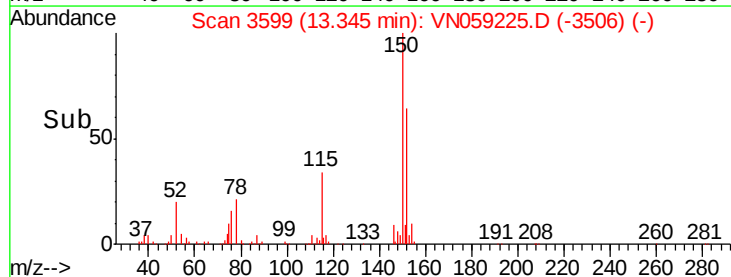
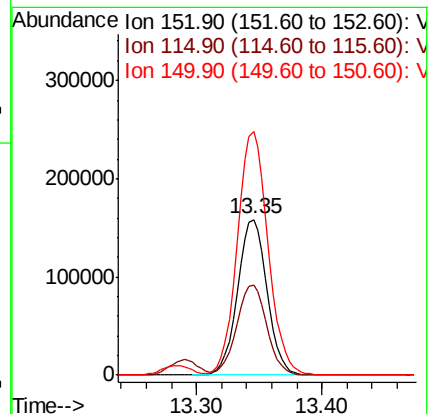
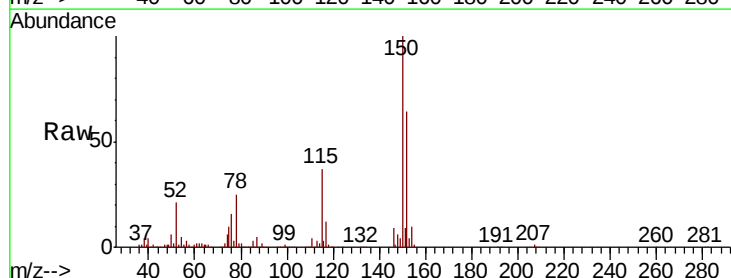
Tgt Ion:152 Resp: 258131

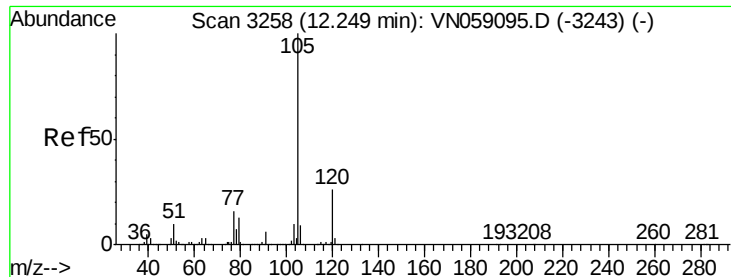
Ion Ratio Lower Upper

152 100

115 59.1 29.4 88.2

150 163.1 0.0 345.8





#73

Isopropylbenzene

Concen: 21.130 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

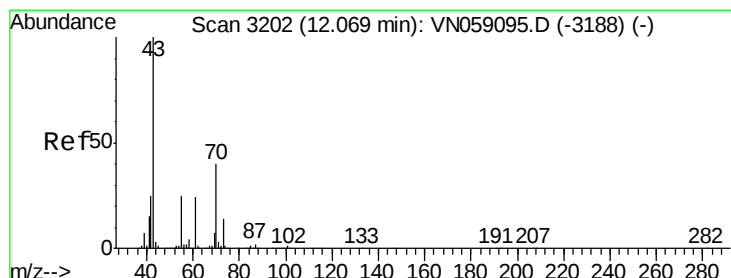
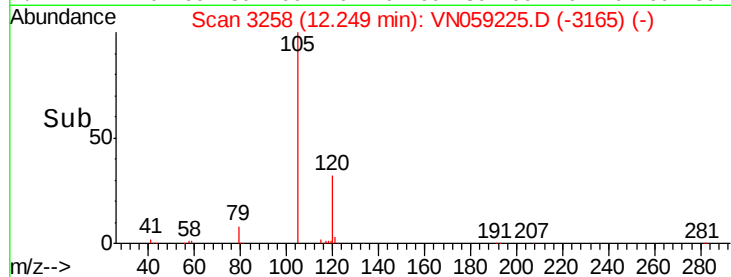
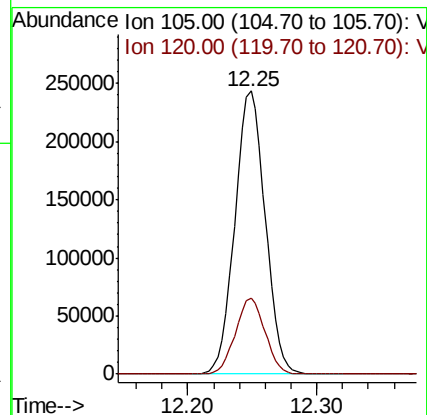
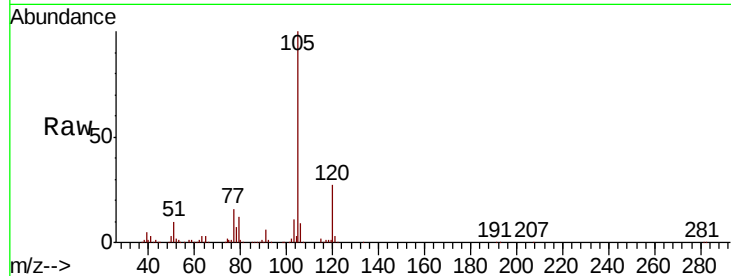
ClientSampled :

Tot Ion: 105 Resp: 396746

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.3



#74

N-ethyl acetate

Concen: 21.333 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 169733

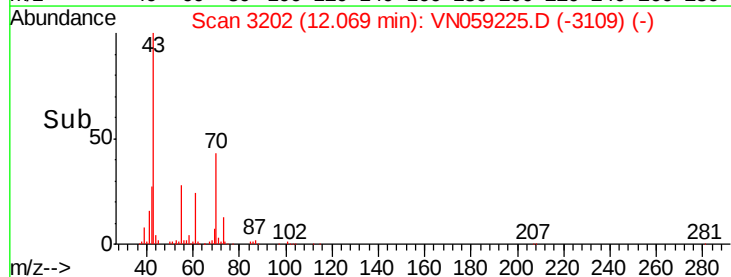
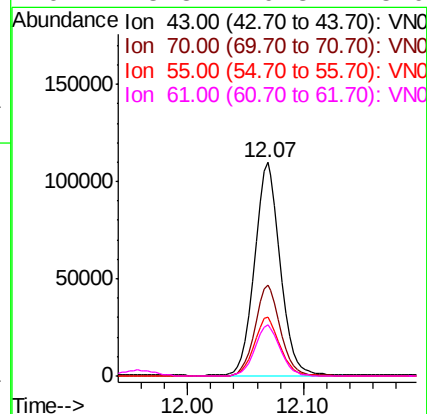
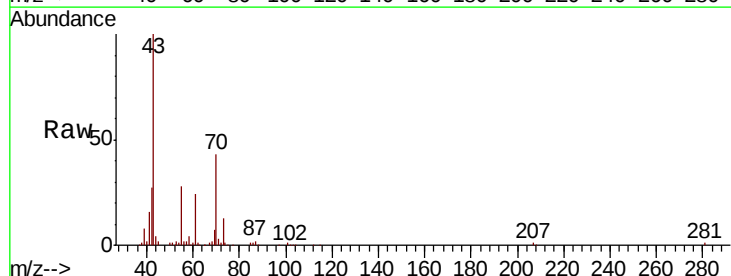
Ion Ratio Lower Upper

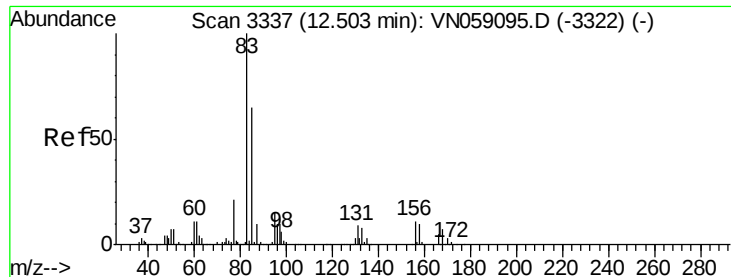
43 100

70 42.2 32.2 48.4

55 27.7 20.4 30.6

61 23.8 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.571 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

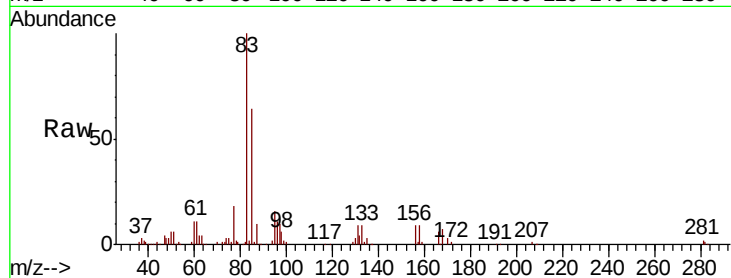
Tot Ion: 83 Resp: 144323

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

85 65.6 32.4 97.2



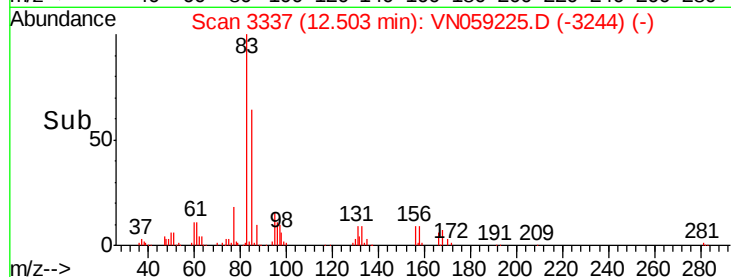
Abundance Ion 82.90 (82.60 to 83.60): VN059225.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059225.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059225.D (-3244) (-)

12.50

Time-->



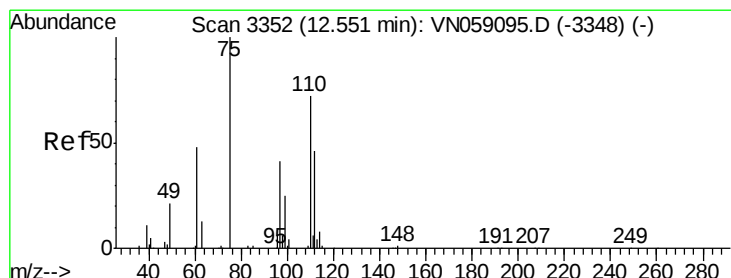
Abundance Ion 82.90 (82.60 to 83.60): VN059225.D (-3244) (-)

Ion 130.80 (130.50 to 131.50): VN059225.D (-3244) (-)

Ion 84.90 (84.60 to 85.60): VN059225.D (-3244) (-)

12.50

Time-->



#76

1,2,3-Trichloropropane

Concen: 31.926 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN059225.D

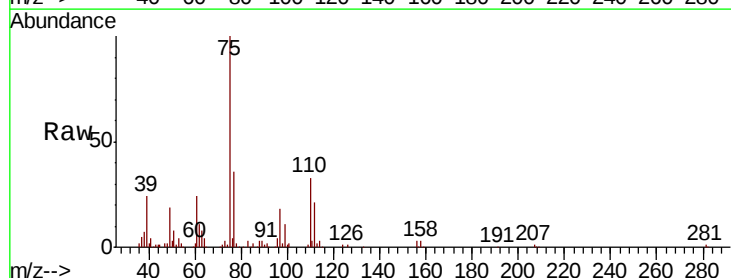
Acq: 14 Nov 2019 12:03

Tgt Ion: 75 Resp: 187620

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0

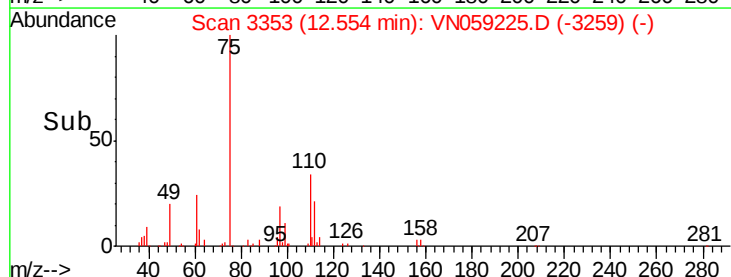


Abundance Ion 74.90 (74.60 to 75.60): VN059225.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059225.D (-3259) (-)

12.55

Time-->

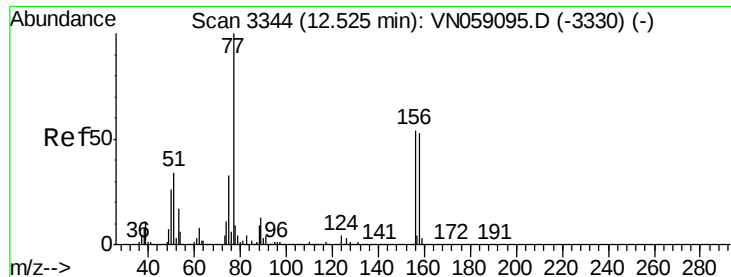


Abundance Ion 74.90 (74.60 to 75.60): VN059225.D (-3259) (-)

Ion 77.00 (76.70 to 77.70): VN059225.D (-3259) (-)

12.55

Time-->



#77

Bromobenzene

Concen: 21.032 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

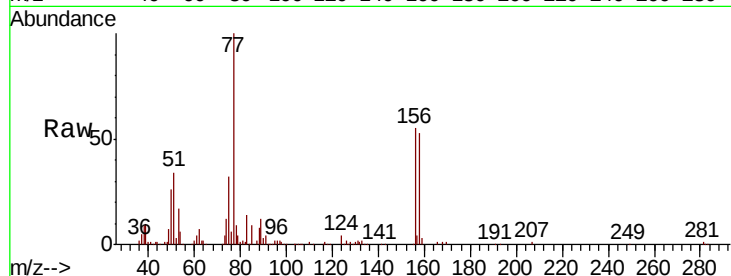
Tot Ion:156 Resp: 99216

Ion Ratio Lower Upper

156 100

77 224.5 112.8 338.3

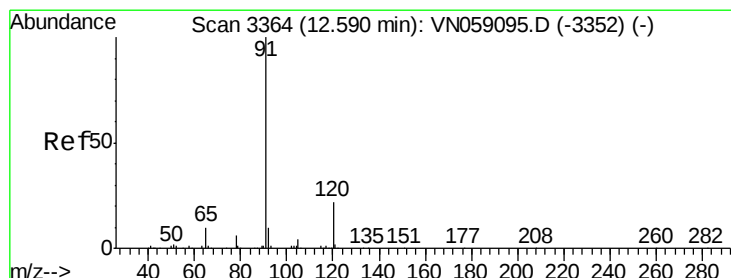
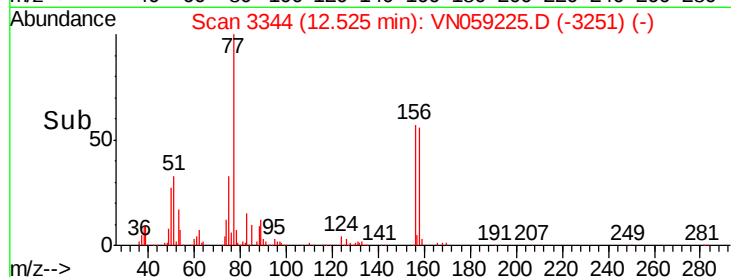
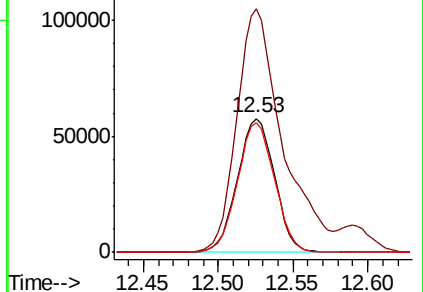
158 97.1 48.4 145.3



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: 21.094 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059225.D

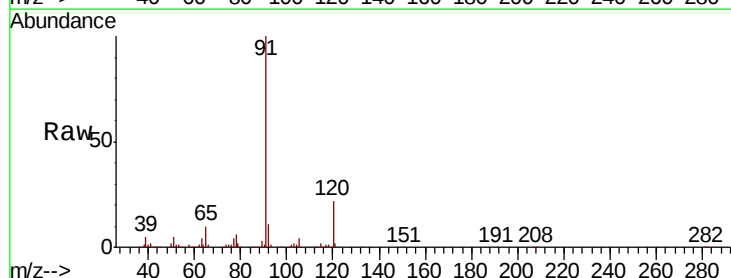
Acq: 14 Nov 2019 12:03

Tgt Ion: 91 Resp: 453503

Ion Ratio Lower Upper

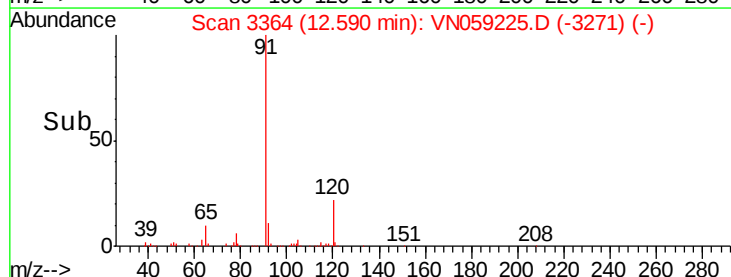
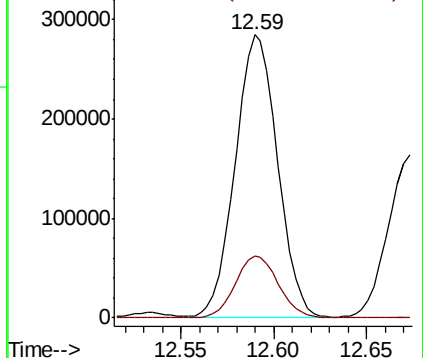
91 100

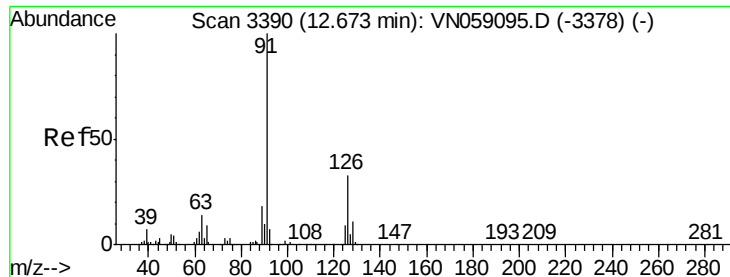
120 22.1 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.698 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

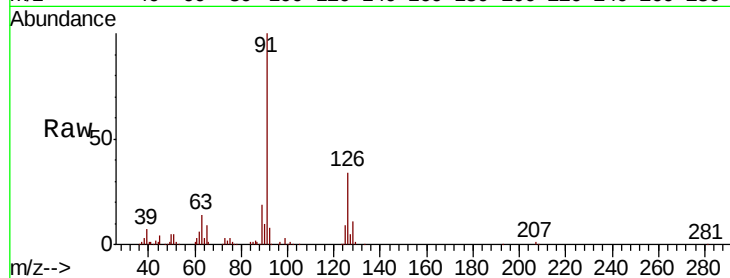
ClientSampleId :

Tot Ion: 91 Resp: 276050

Ion Ratio Lower Upper

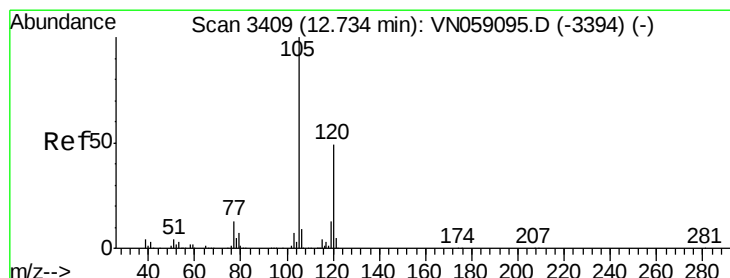
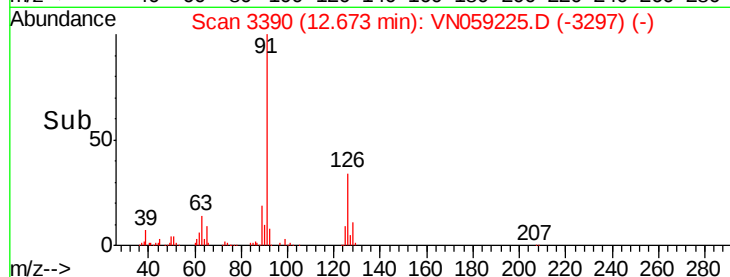
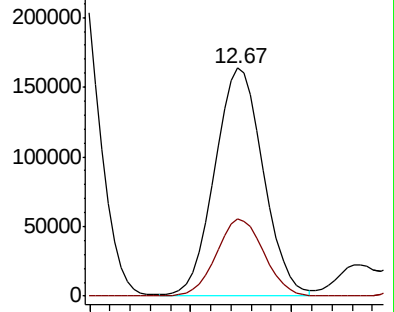
91 100

126 33.3 16.7 50.1



Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN059095.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 20.860 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059225.D

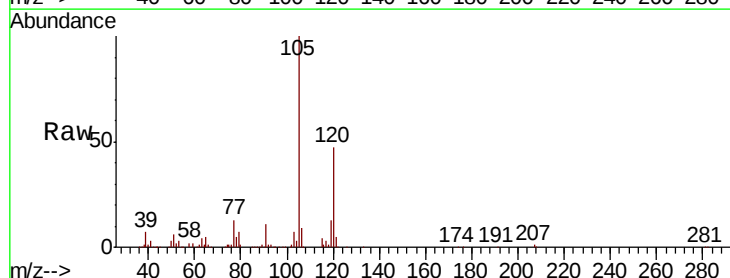
Acq: 14 Nov 2019 12:03

Tgt Ion: 105 Resp: 331895

Ion Ratio Lower Upper

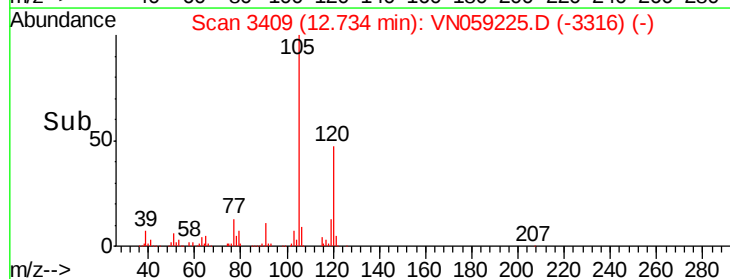
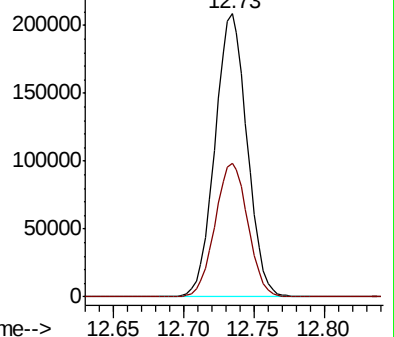
105 100

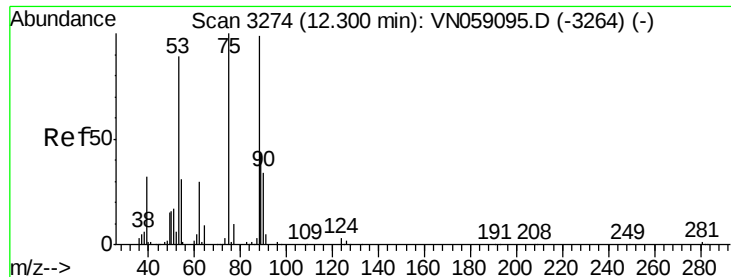
120 48.4 24.0 72.0



Abundance Ion 105.00 (104.70 to 105.70): VN059095.D (-3394) (-)

Ion 120.00 (119.70 to 120.70): VN059095.D (-3394) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 21.527 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

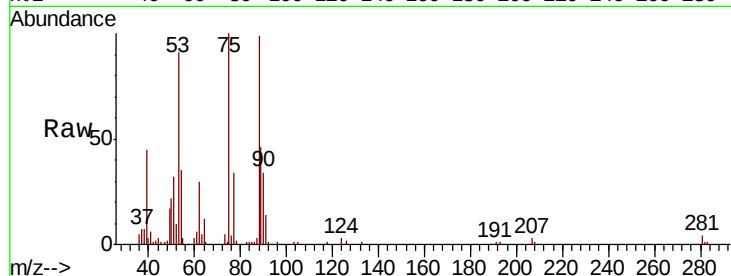
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 47897

Ion	Ratio	Lower	Upper
75	100		
53	91.9	72.2	108.2
89	42.6	35.8	53.8



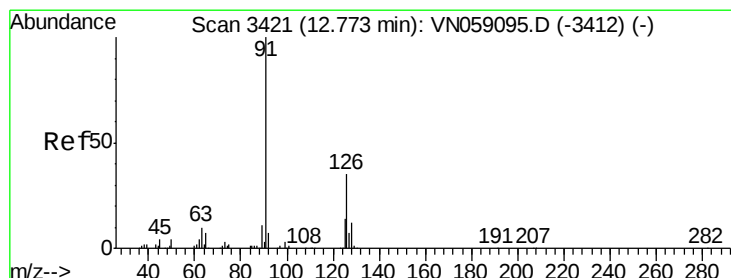
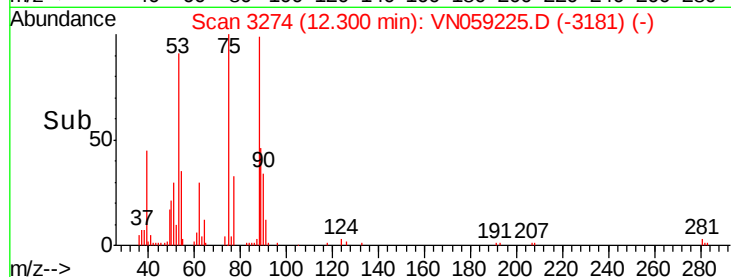
Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

Time-->



#82

4-Chlorotoluene

Concen: 20.926 ug/l

RT: 12.77 min Scan# 3421

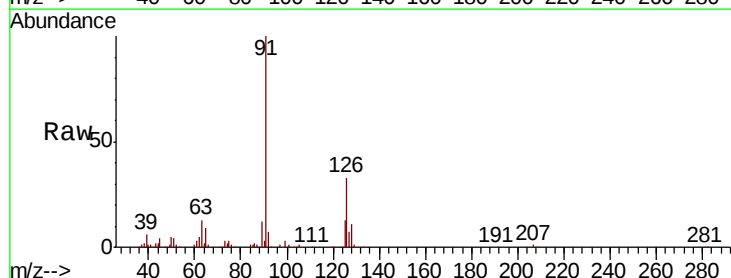
Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion: 91 Resp: 279924

Ion	Ratio	Lower	Upper
91	100		
126	32.4	16.1	48.2

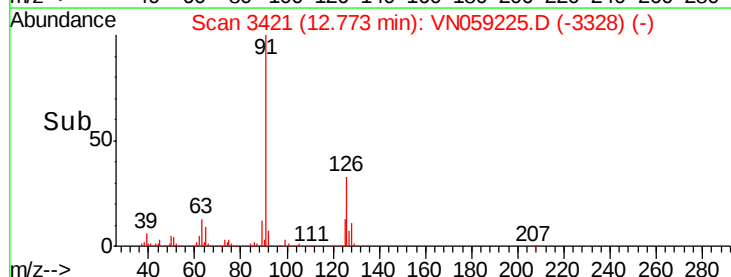


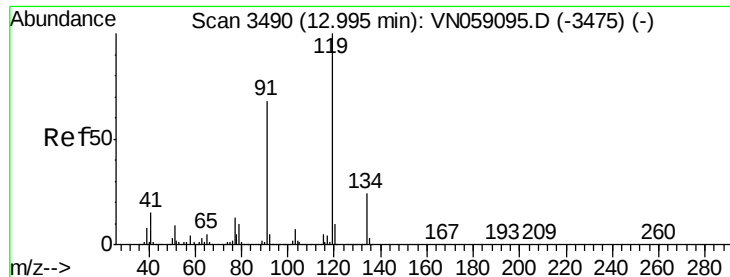
Abundance

Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

Time-->

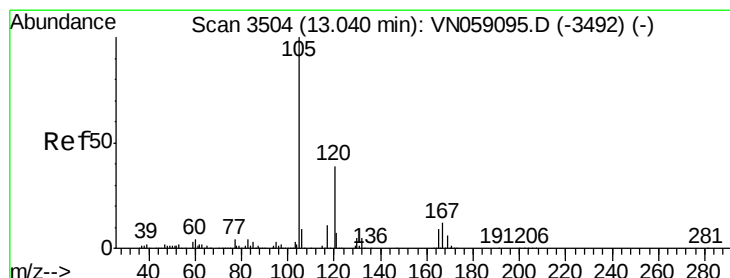
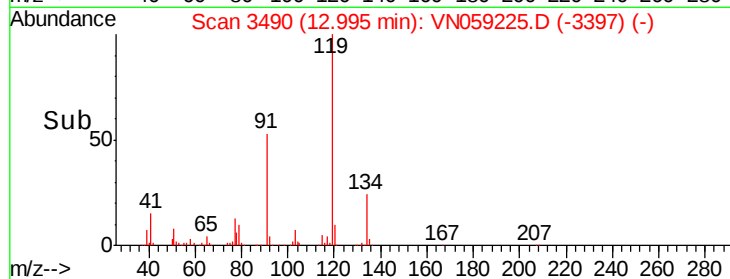
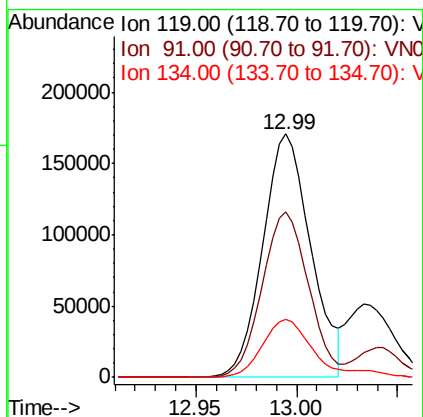
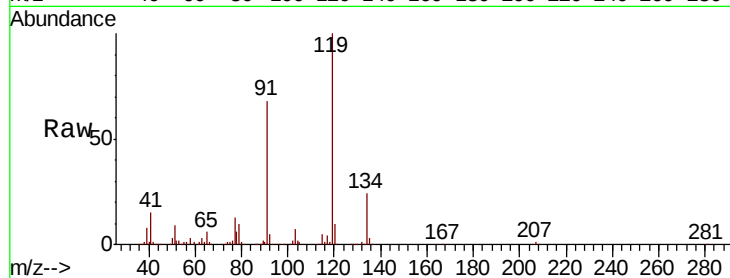




#83
tert-Butylbenzene
Concen: 20.586 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

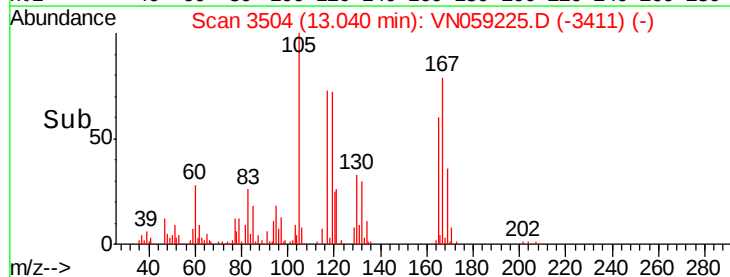
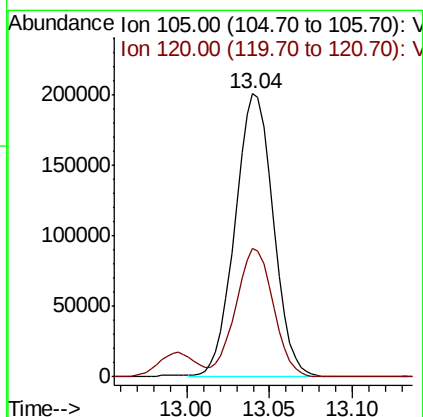
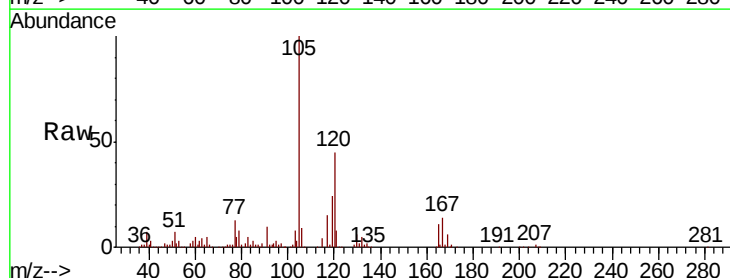
Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	65.9	33.2	99.6
134	24.0	12.7	38.1



#84
1,2,4-Trimethylbenzene
Concen: 20.835 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.9	22.8	68.4





#85

sec-Butylbenzene

Concen: 20.923 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

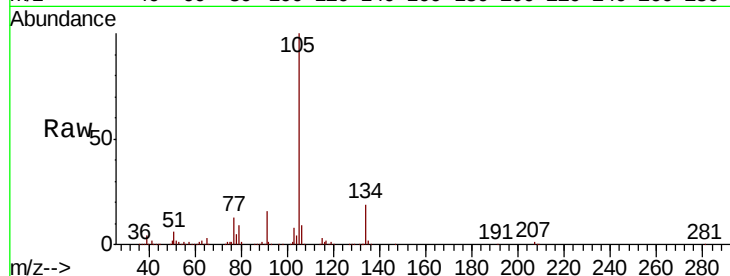
ClientSampled :

Tot Ion:105 Resp: 373882

Ion Ratio Lower Upper

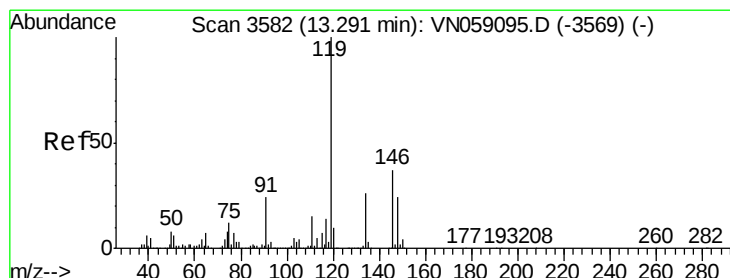
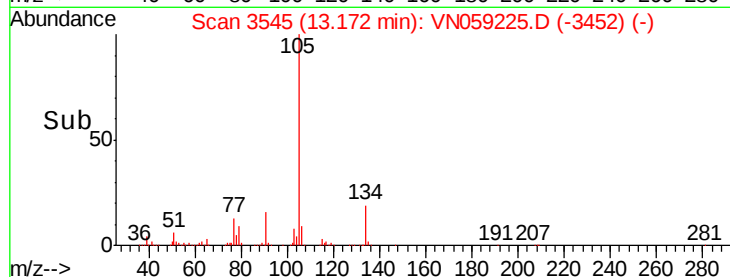
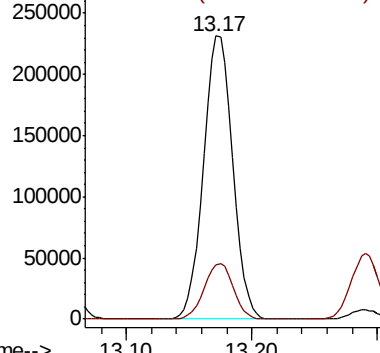
105 100

134 19.7 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 20.612 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

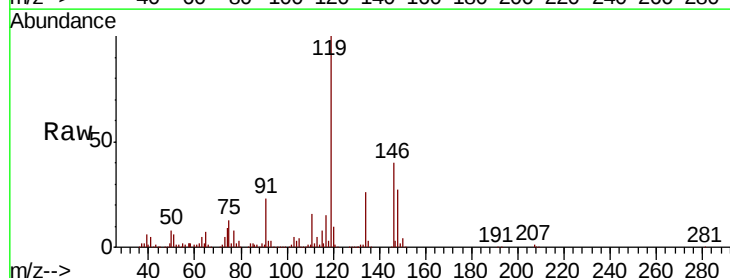
Tgt Ion:119 Resp: 325211

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

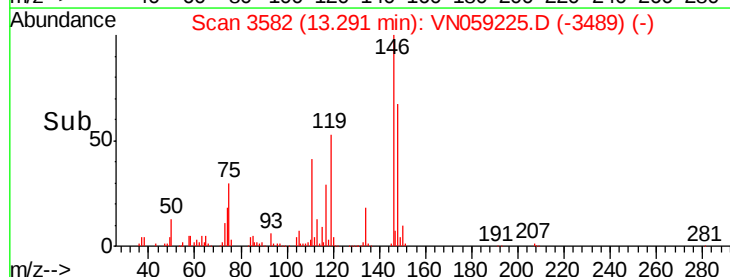
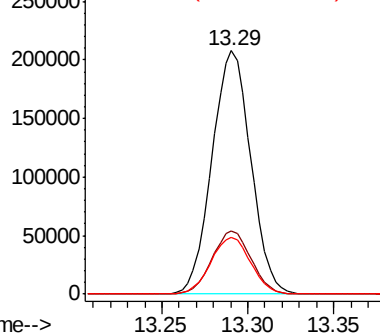
91 23.8 11.7 35.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.821 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059225.D

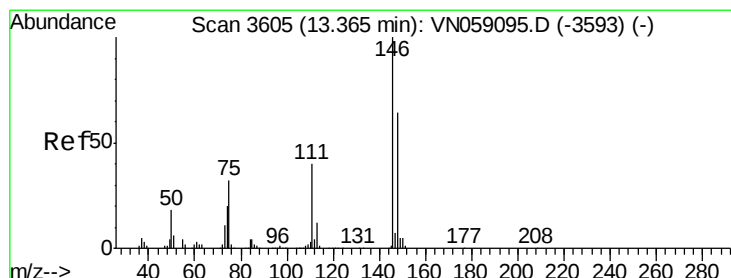
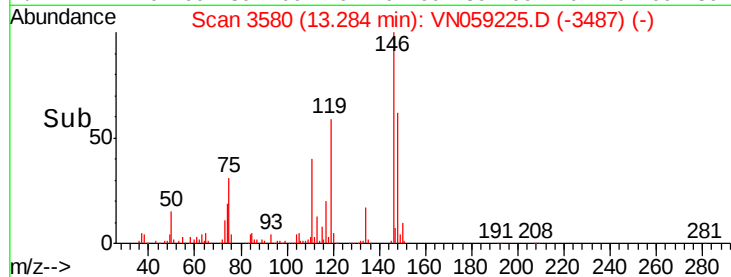
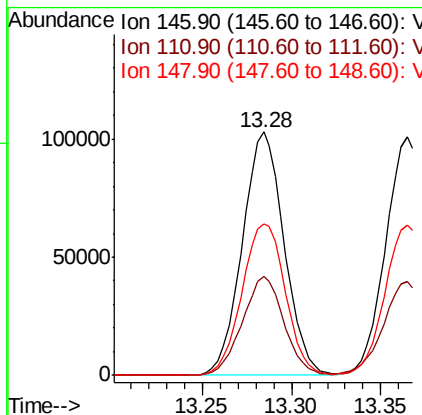
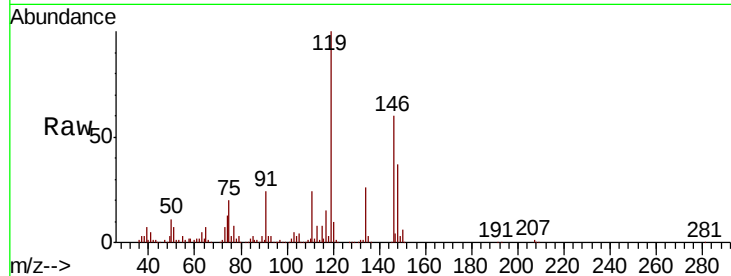
Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:	146	Resp:	168200
Ion	Ratio	Lower	Upper
146	100		
111	40.4	20.4	61.3
148	64.6	32.2	96.6



#88

1,4-Dichlorobenzene

Concen: 20.384 ug/l

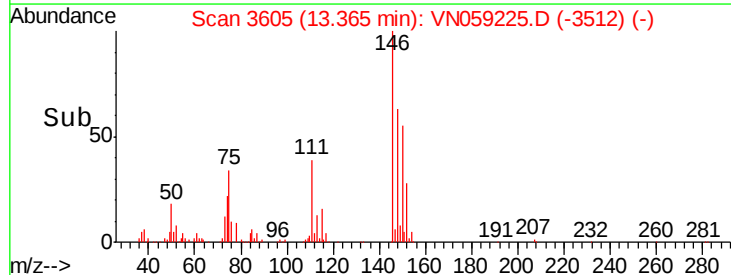
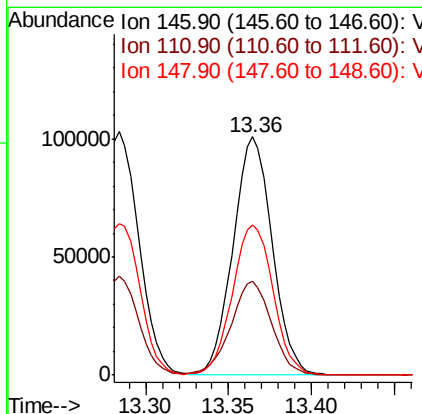
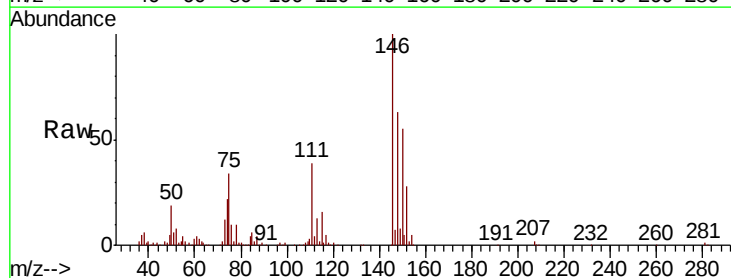
RT: 13.36 min Scan# 3605

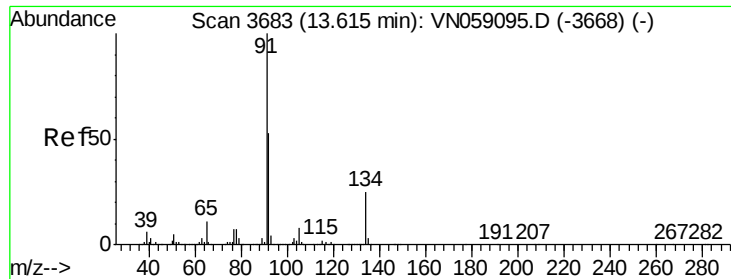
Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Tgt Ion:	146	Resp:	164754
Ion	Ratio	Lower	Upper
146	100		
111	41.3	20.3	60.9
148	65.6	31.9	95.7

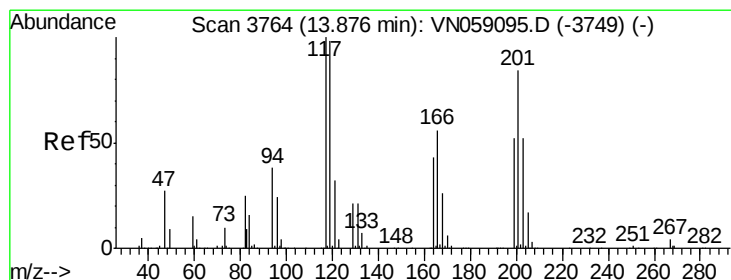
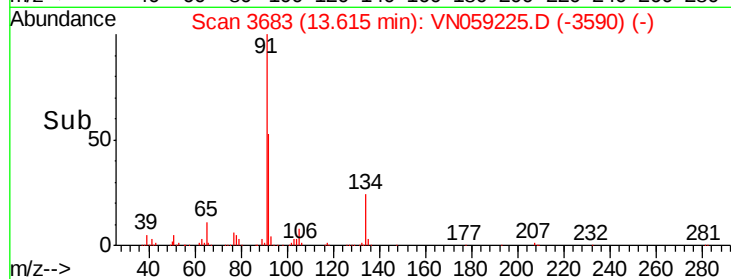
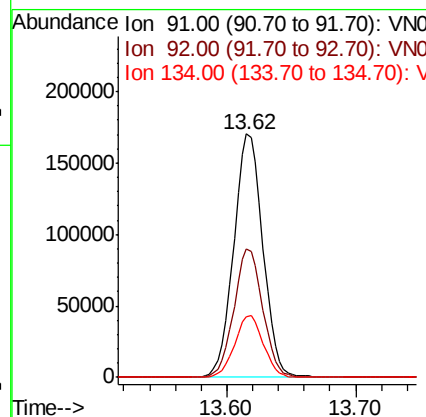
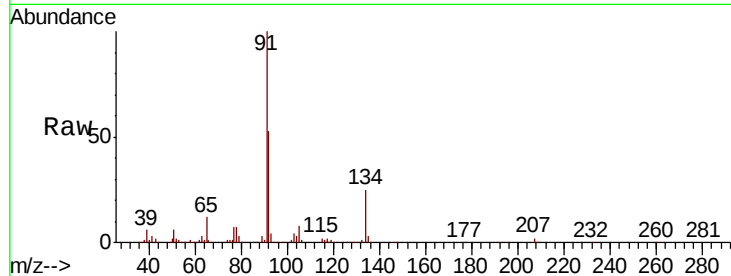




#89
n-Butylbenzene
Concen: 19.291 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

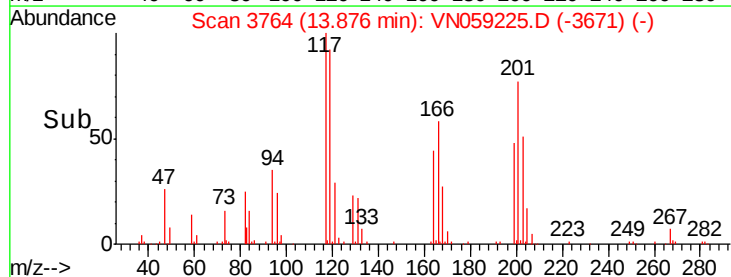
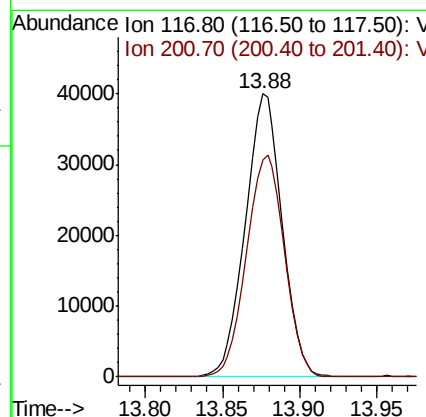
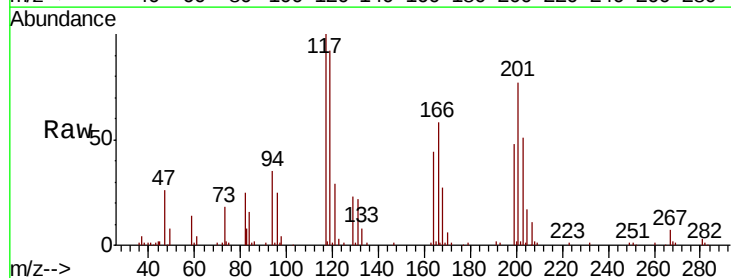
Instrument :
MSVOA_N
ClientSampleId :

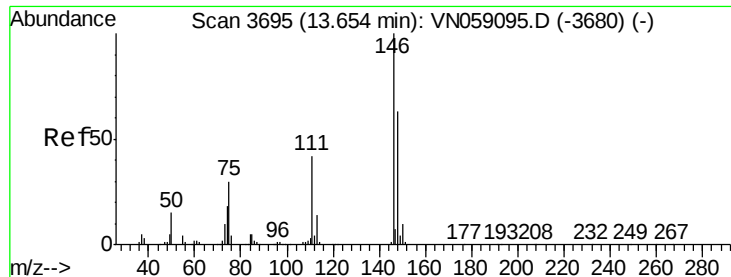
Tot Ion: 91 Resp: 266395
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 25.0 12.6 37.8



#90
Hexachloroethane
Concen: 20.995 ug/l
RT: 13.88 min Scan# 3764
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion: 117 Resp: 66516
Ion Ratio Lower Upper
117 100
201 80.6 41.8 125.3

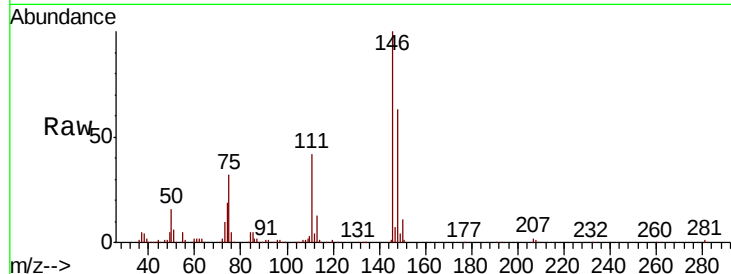




#91
 1,2-Dichlorobenzene
 Concen: 21.490 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
146	100		
111	41.6	21.2	63.6
148	63.7	31.6	94.7

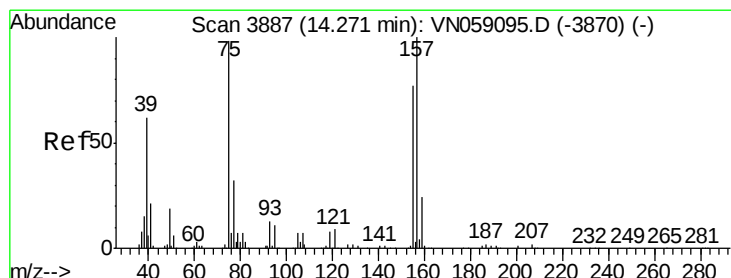
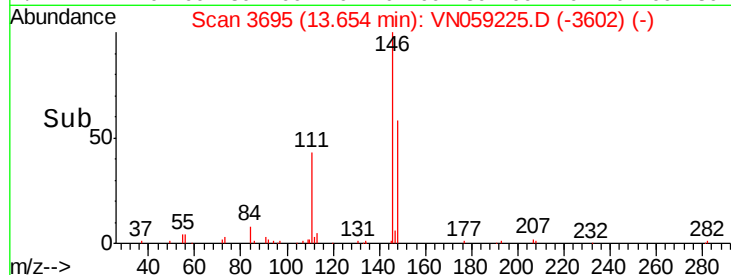
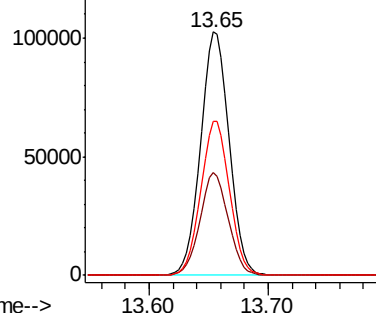


Abundance

Ion 145.90 (145.60 to 146.60): V

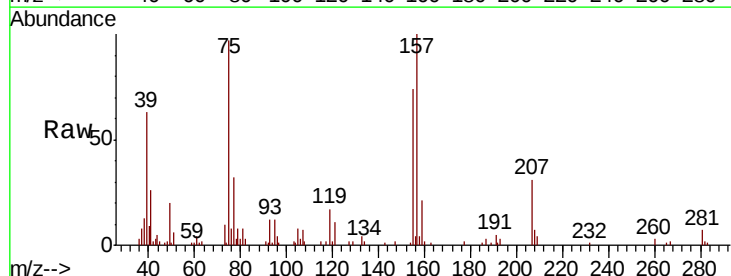
Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 23.157 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	Ratio	Lower	Upper
75	100		
155	78.4	40.2	120.6
157	101.9	51.8	155.5

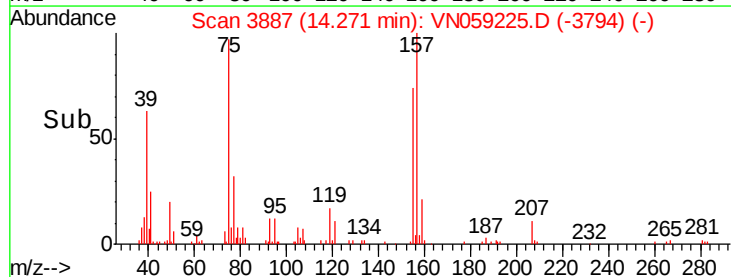
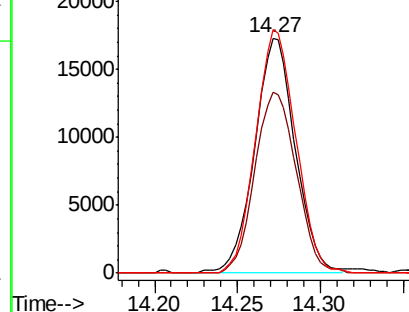


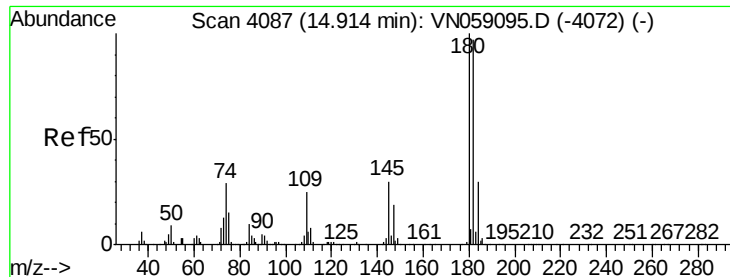
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#93

1,2,4-Trichlorobenzene

Concen: 19.374 ug/l

RT: 14.91 min Scan# 4087

Delta R.T. 0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

Instrument :

MSVOA_N

ClientSampleId :

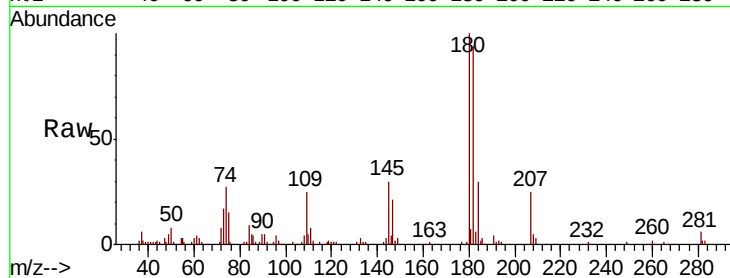
Tot Ion:180 Resp: 83828

Ion Ratio Lower Upper

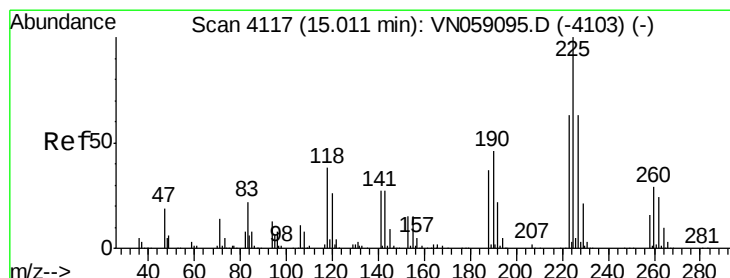
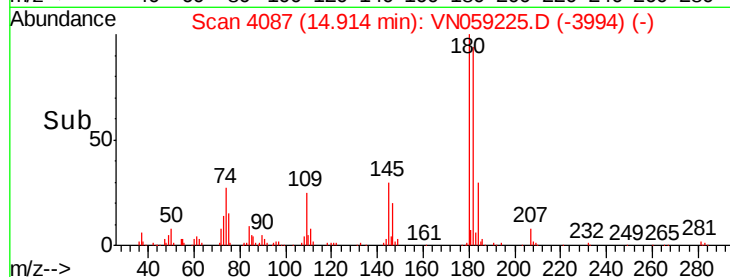
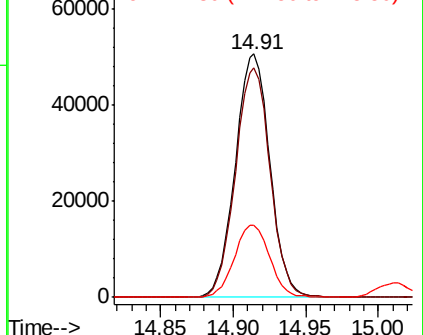
180 100

182 94.7 48.1 144.3

145 30.2 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 20.478 ug/l

RT: 15.01 min Scan# 4117

Delta R.T. -0.00 min

Lab File: VN059225.D

Acq: 14 Nov 2019 12:03

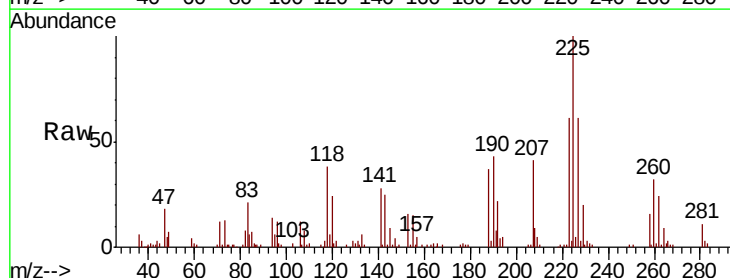
Tgt Ion:225 Resp: 56109

Ion Ratio Lower Upper

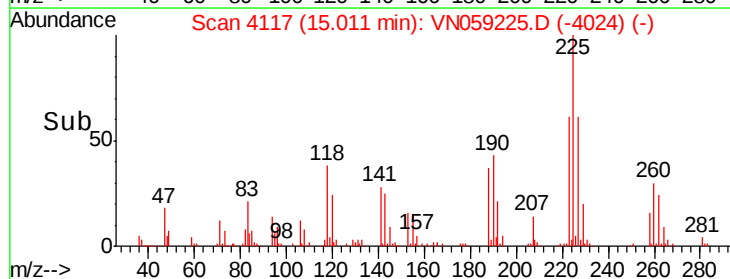
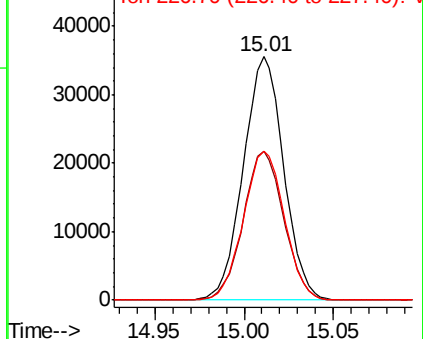
225 100

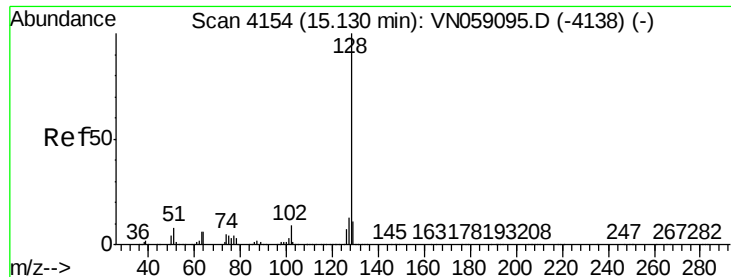
223 61.5 31.3 93.9

227 62.2 31.5 94.5



Abundance Ion 224.70 (224.40 to 225.40): V
Ion 222.70 (222.40 to 223.40): V
Ion 226.70 (226.40 to 227.40): V

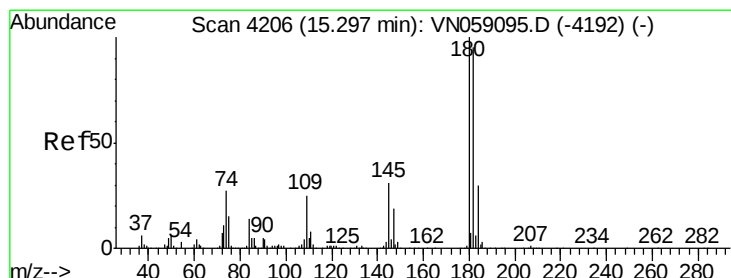
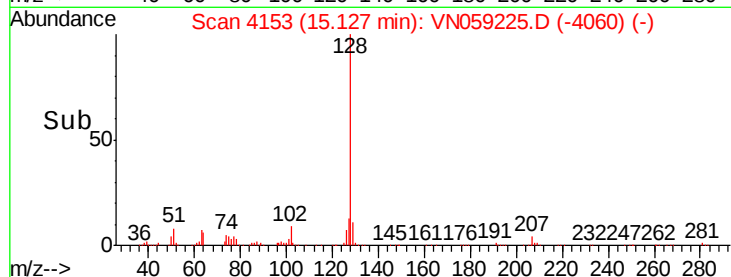
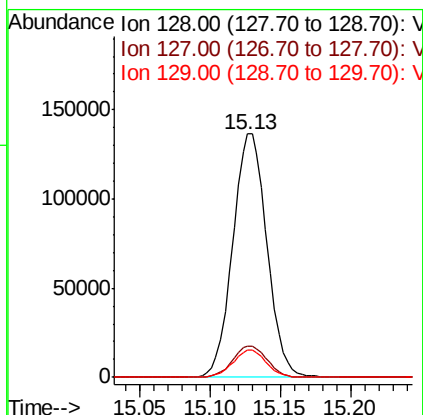
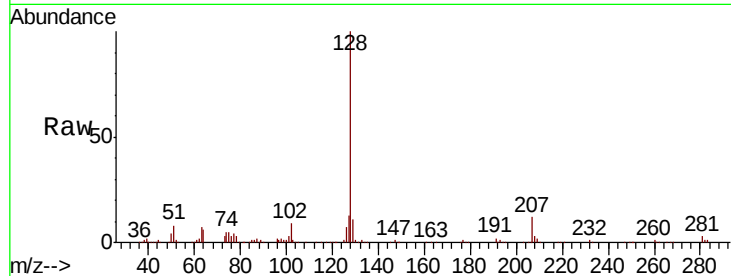




#95
Naphthalene
Concen: 19.301 ug/l
RT: 15.13 min Scan# 4153
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:128 Resp: 231542
Ion Ratio Lower Upper
128 100
127 12.9 10.2 15.2
129 10.9 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 19.645 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Tgt Ion:180 Resp: 87486
Ion Ratio Lower Upper
180 100
182 95.8 47.3 141.8
145 32.7 15.8 47.3

