

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 :
 VN1114WBSD01

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

33) 1,2-Dichloroethane-d4	8.01	65	245365	50.77	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.54%	
35) Dibromofluoromethane	7.57	113	193956	53.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.16%	
50) Toluene-d8	10.08	98	728145	50.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.18%	
62) 4-Bromofluorobenzene	12.40	95	260954	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	

Target Compounds

						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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 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

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)
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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VN1114WBSD01

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Quant Title : SW846 8260
QLast Update : Thu Nov 07 04:00:41 2019
Response via : Initial Calibration

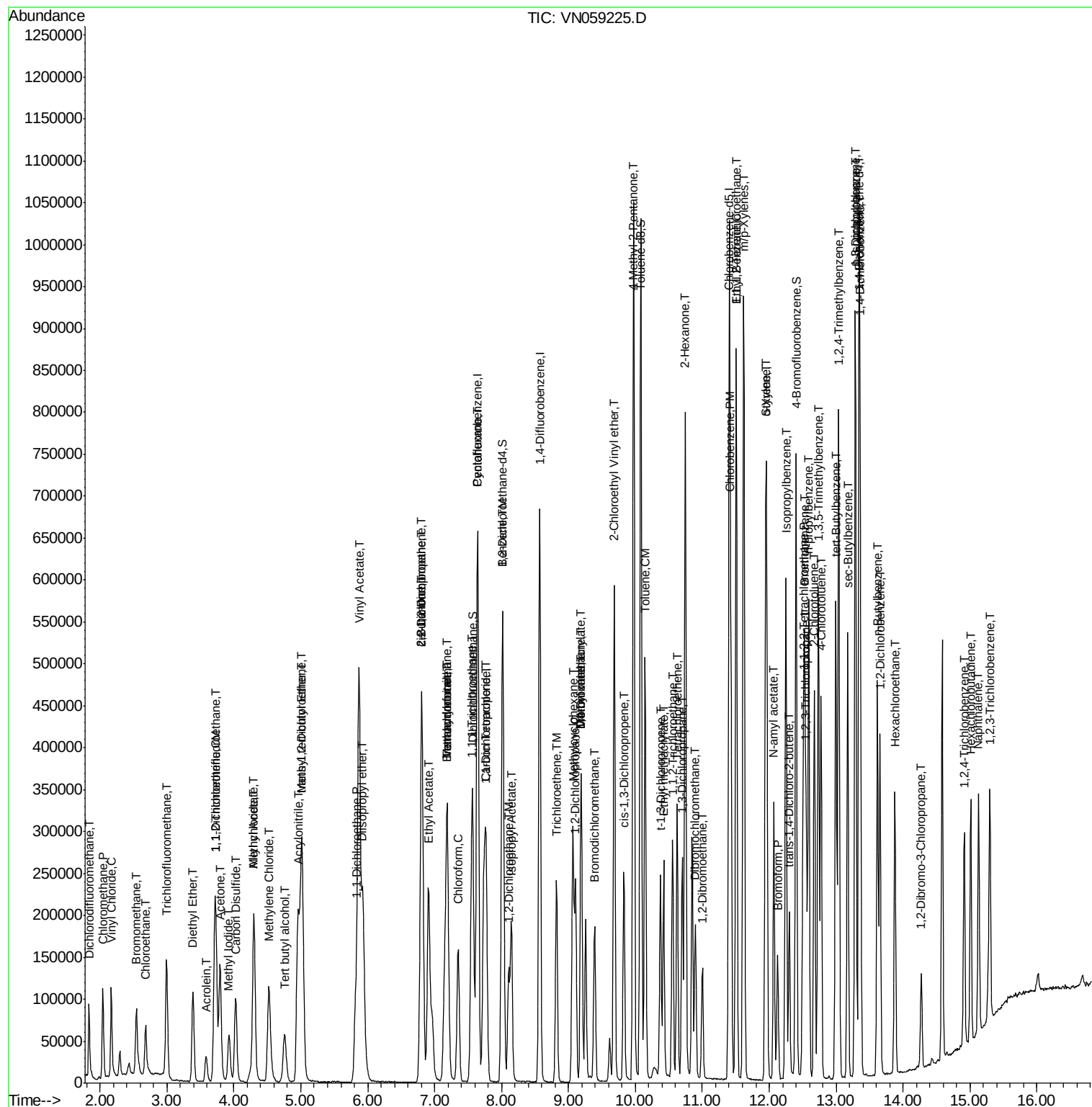
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	83828	19.374	ug/l	99
94) Hexachlorobutadiene	15.01	225	56109	20.478	ug/l	99
95) Naphthalene	15.13	128	231542	19.301	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	87486	19.645	ug/l	98

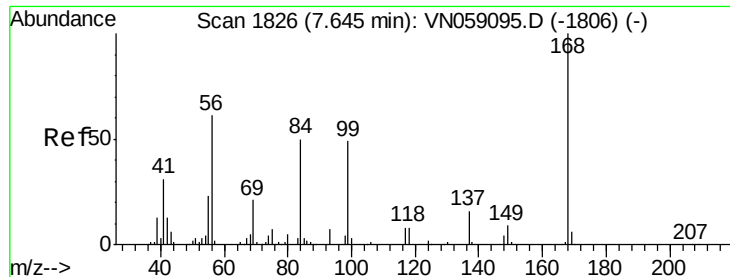
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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
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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





#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

ClientSampleId :

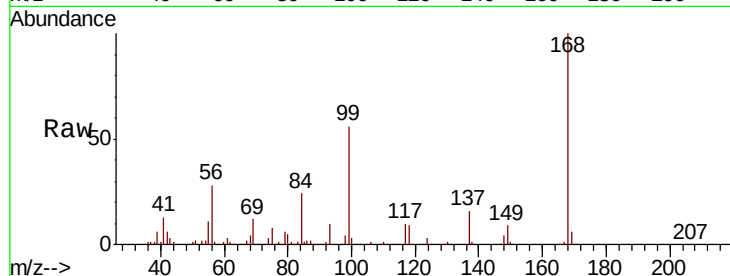
VN1114WBSD01

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): VN

7.64

150000

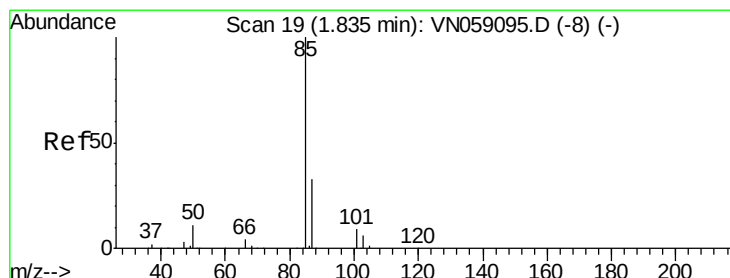
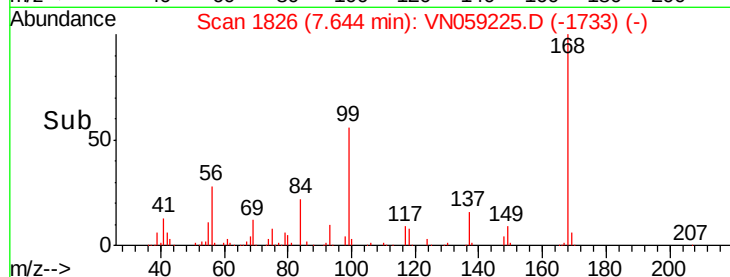
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 19.302 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059225.D

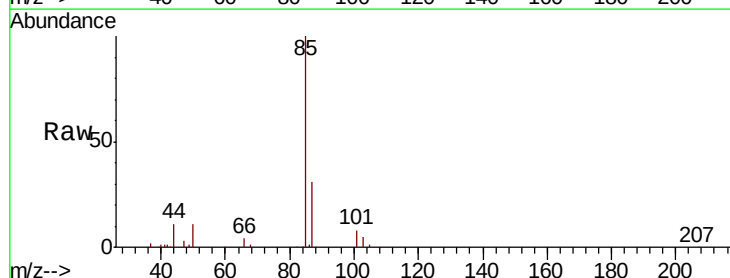
Acq: 14 Nov 2019 12:03

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): VN

Ion 86.90 (86.60 to 87.60): VN

60000

50000

40000

30000

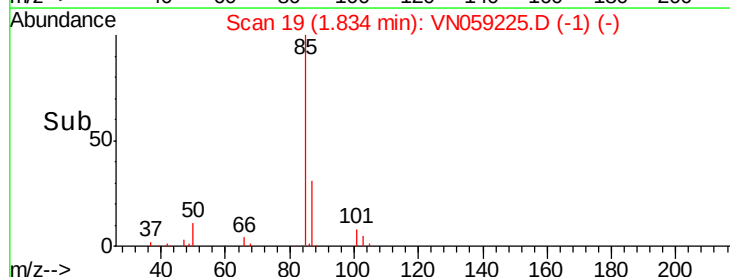
20000

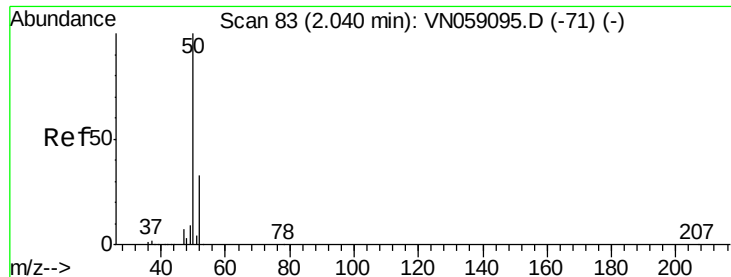
10000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#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

ClientSampleId :

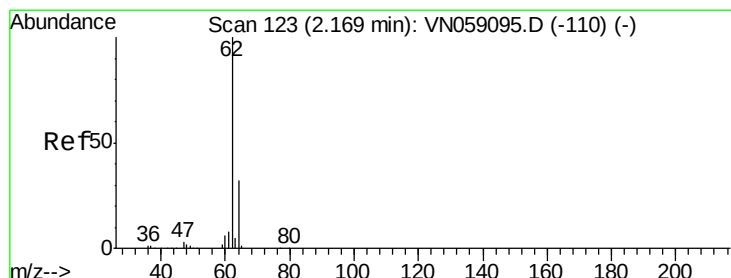
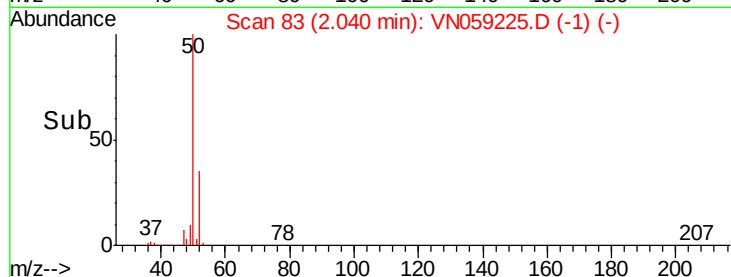
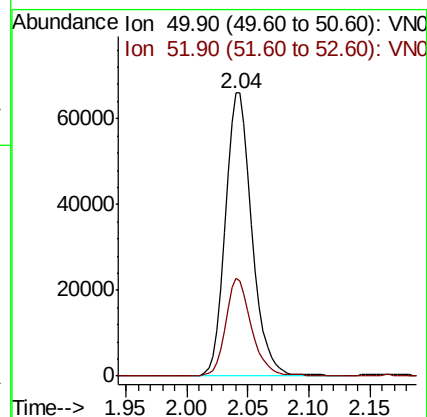
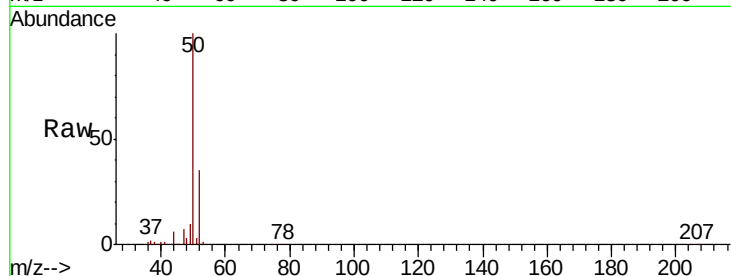
VN1114WBSD01

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

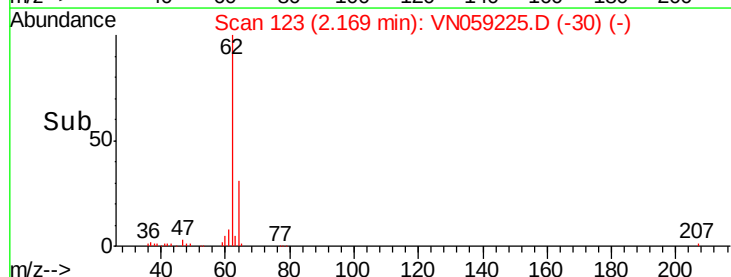
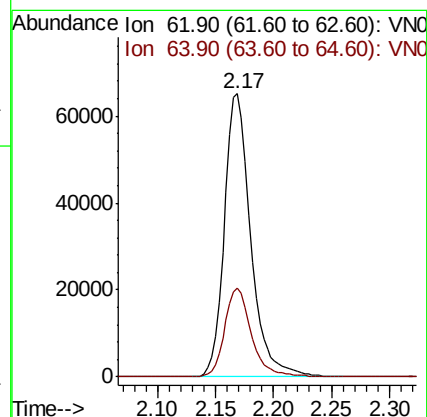
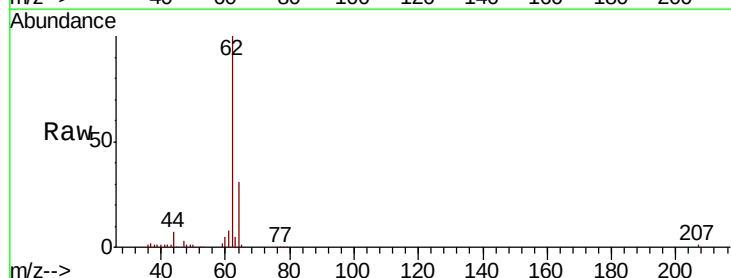
Acq: 14 Nov 2019 12:03

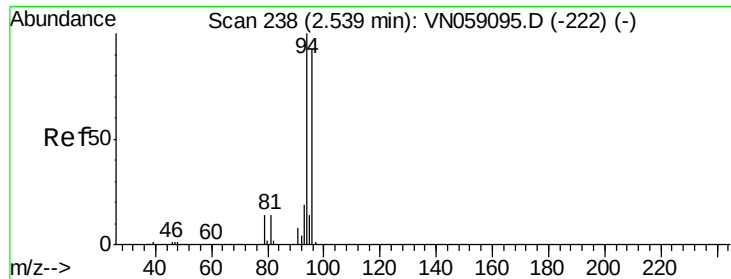
Tgt Ion: 62 Resp: 102770

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

ClientSampleId :

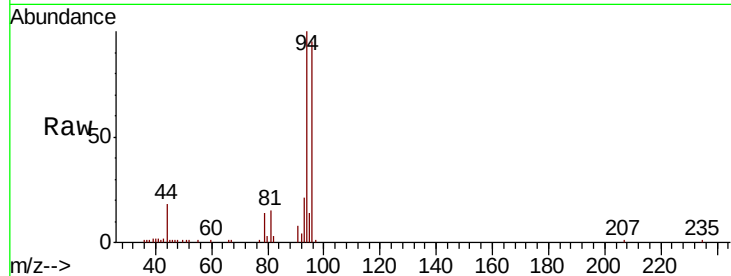
VN1114WBSD01

Tot Ion: 94 Resp: 61111

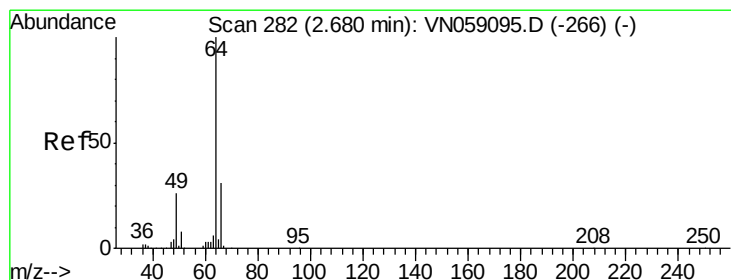
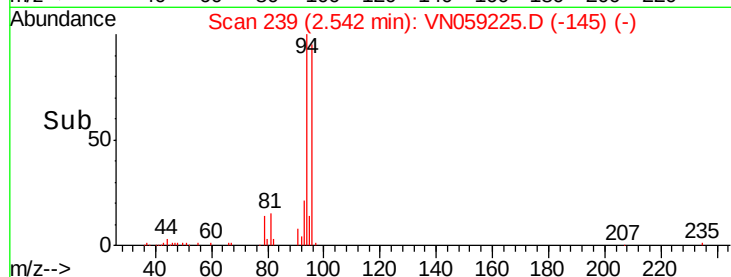
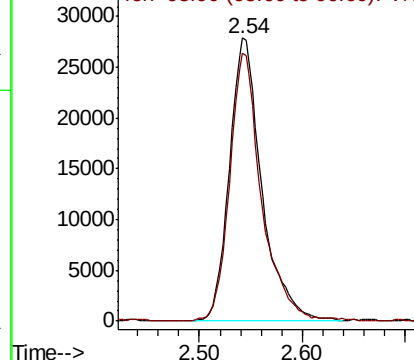
Ion Ratio Lower Upper

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

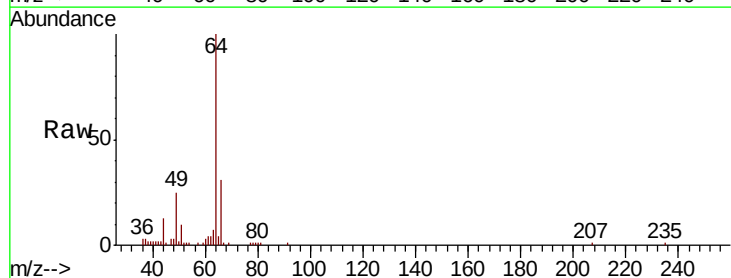
Acq: 14 Nov 2019 12:03

Tgt Ion: 64 Resp: 62014

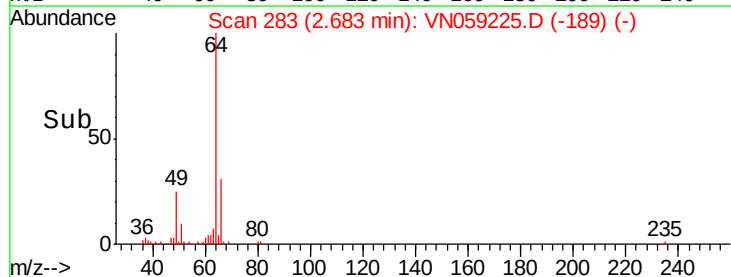
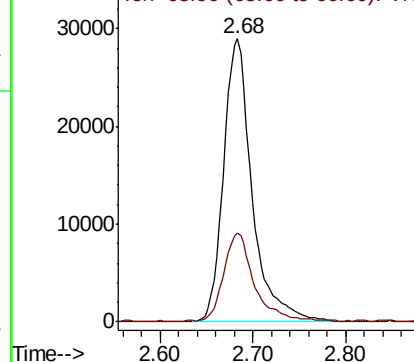
Ion Ratio Lower Upper

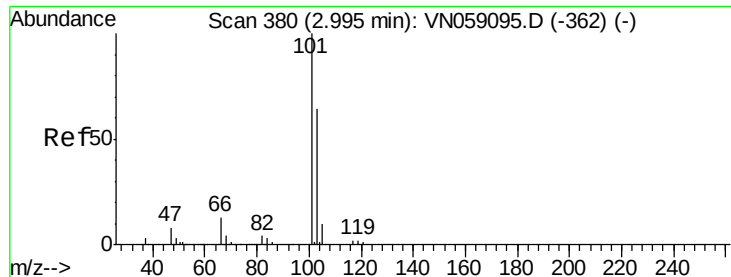
64 100

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 :

MSVOA_N

ClientSampleId :

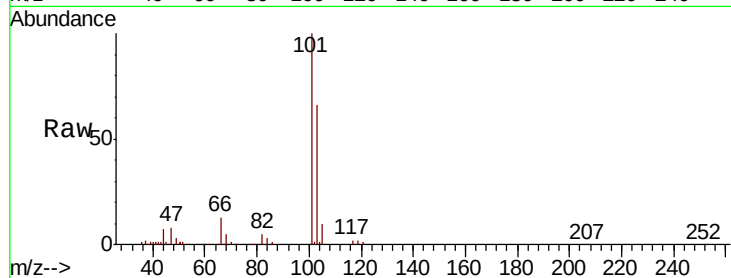
VN1114WBSD01

Tot Ion:101 Resp: 130530

Ion Ratio Lower Upper

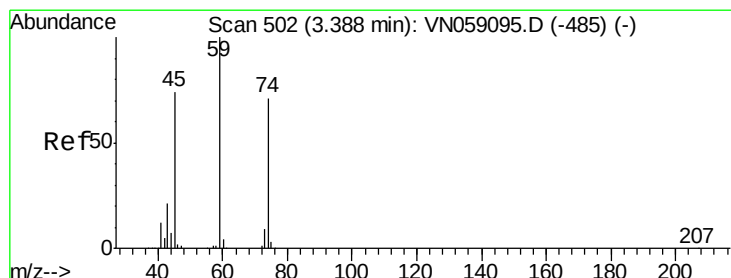
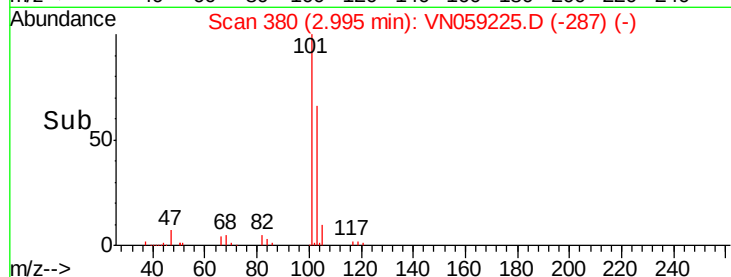
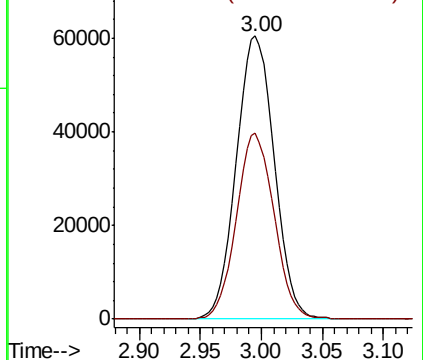
101 100

103 65.6 51.2 76.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 20.853 ug/l

RT: 3.39 min Scan# 503

Delta R.T. 0.00 min

Lab File: VN059225.D

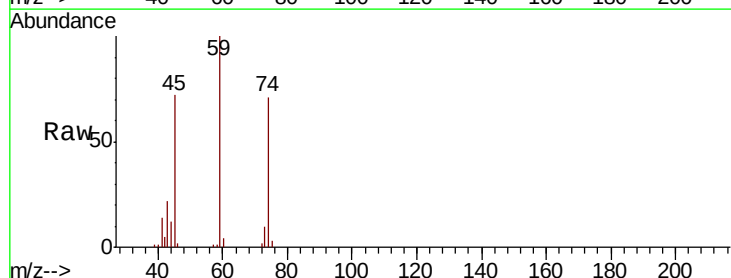
Acq: 14 Nov 2019 12:03

Tgt Ion: 74 Resp: 52910

Ion Ratio Lower Upper

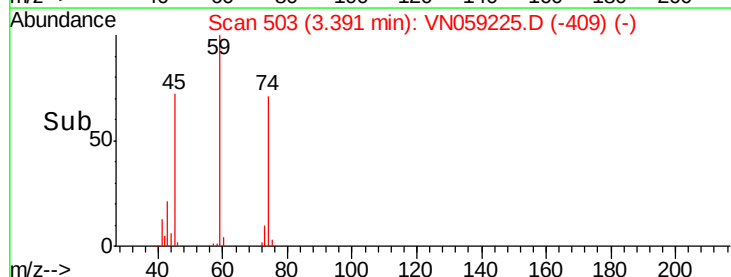
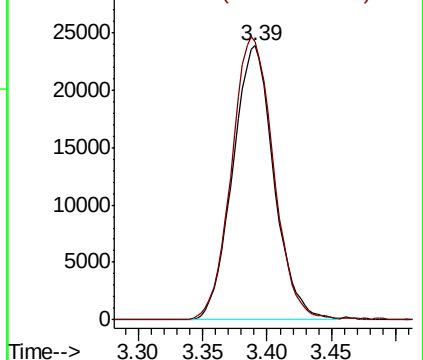
74 100

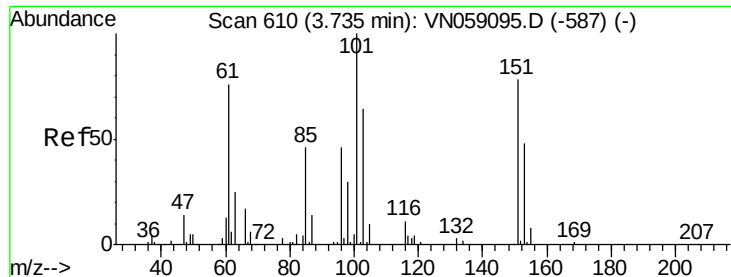
45 105.1 51.6 154.9



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.277 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

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ClientSampled :

VN1114WBSD01

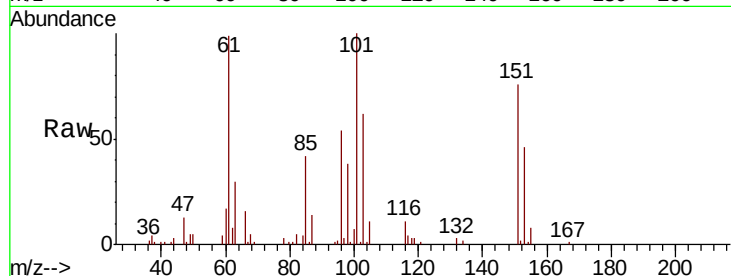
Tot Ion:101 Resp: 80109

Ion Ratio Lower Upper

101 100

85 43.0 35.5 53.3

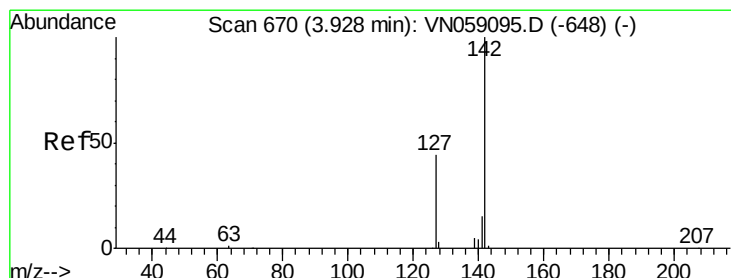
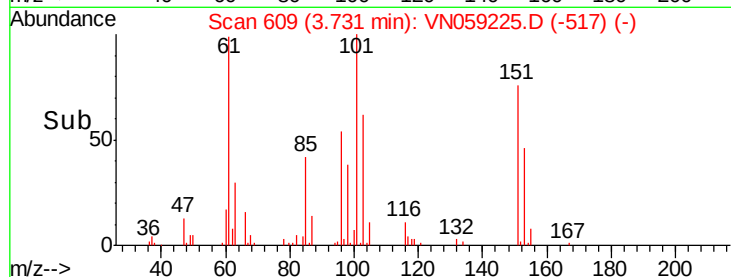
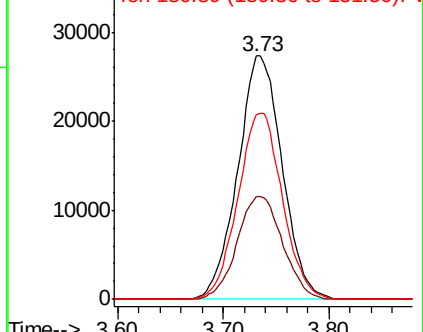
151 76.5 62.2 93.2



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

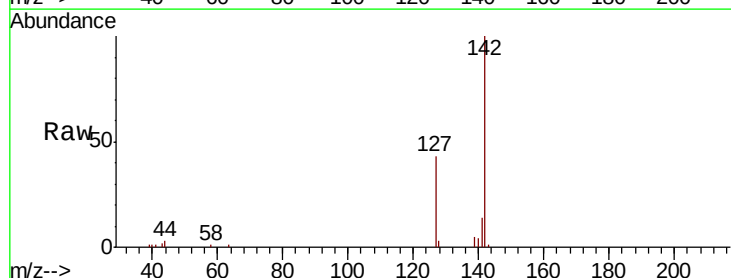
Tgt Ion:142 Resp: 93543

Ion Ratio Lower Upper

142 100

127 42.7 34.2 51.2

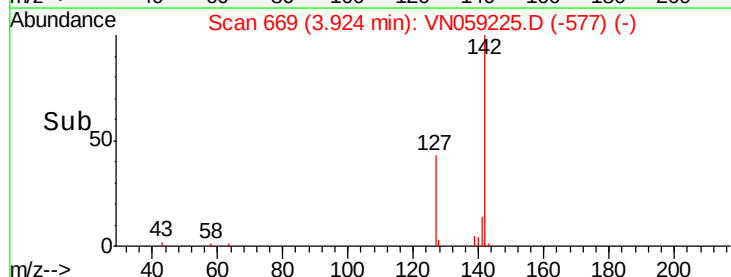
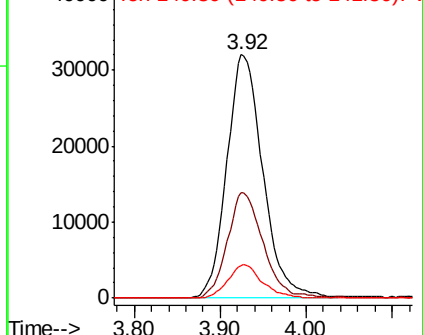
141 13.0 11.4 17.0

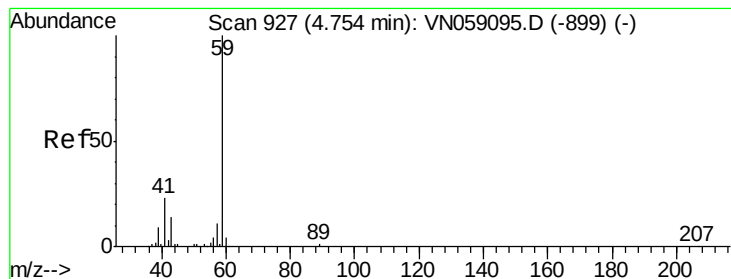


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



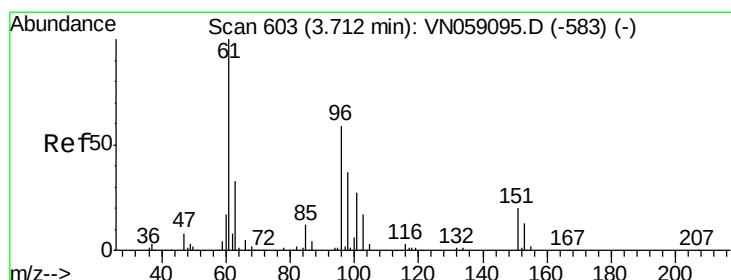
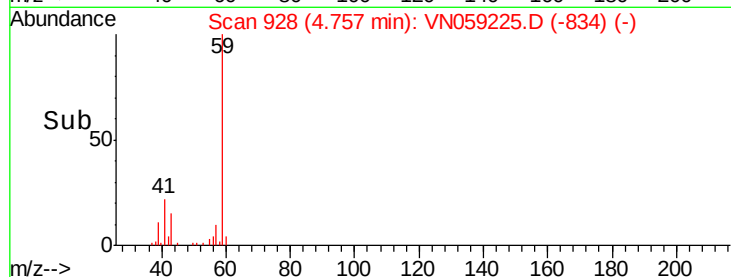
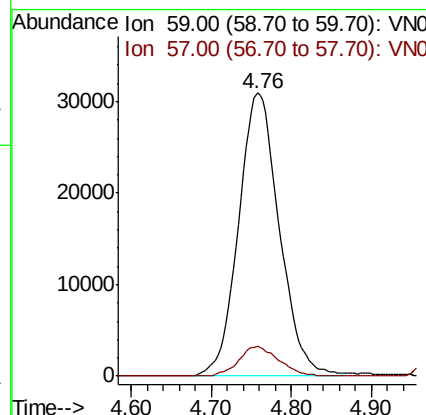
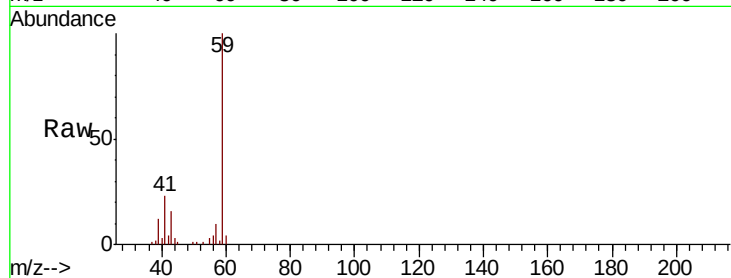


#11

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 :
 VN1114WBSD01

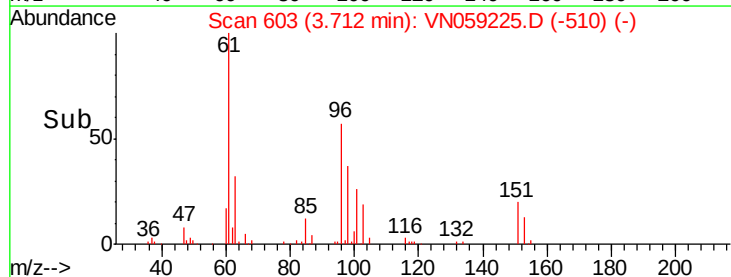
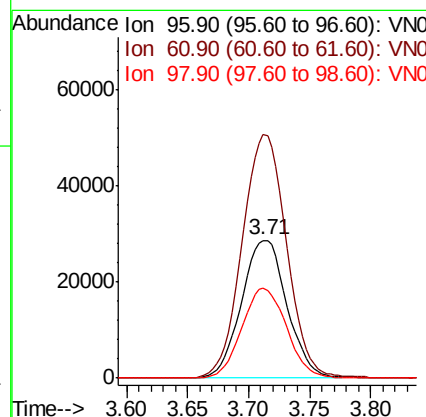
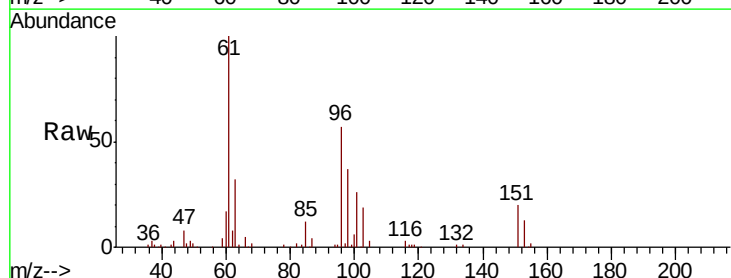
Tot Ion: 59 Resp: 107074
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

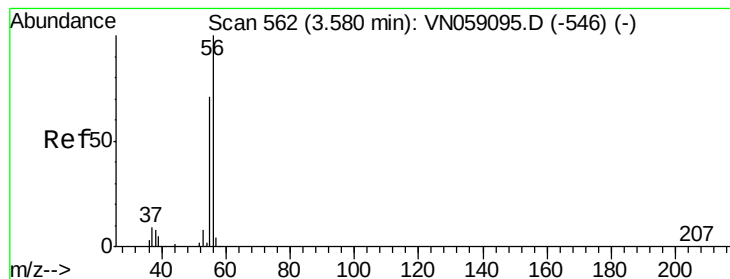


#12

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 :

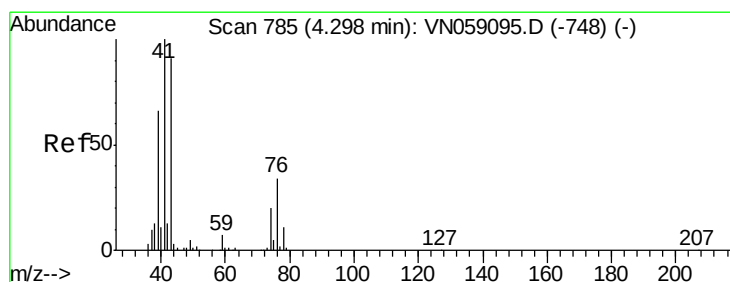
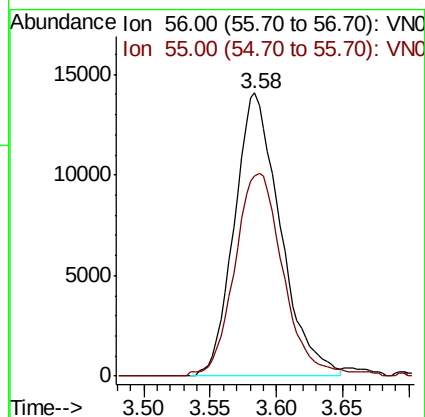
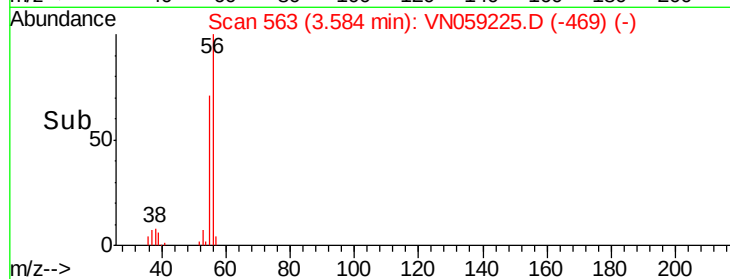
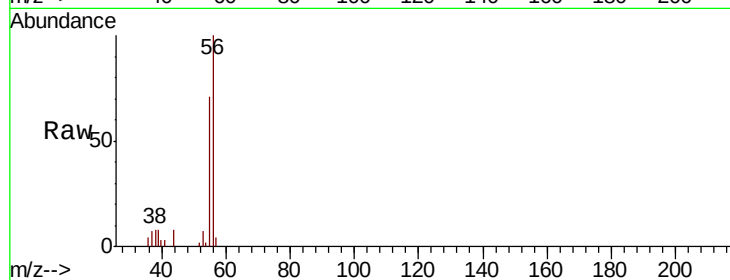
VN1114WBSD01

Tot Ion: 56 Resp: 33957

Ion Ratio Lower Upper

56 100

55 75.1 56.4 84.6



#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

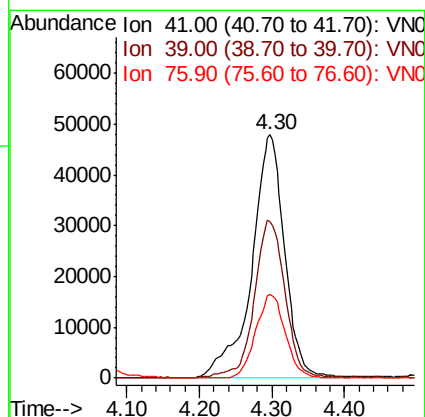
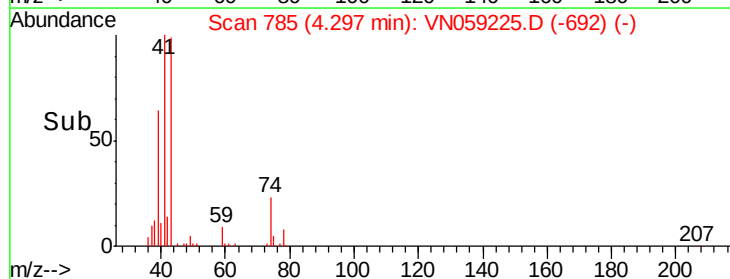
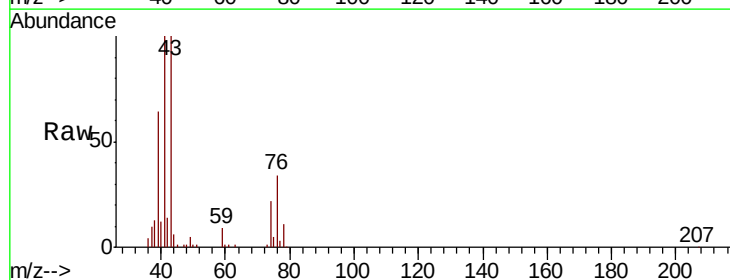
Tgt Ion: 41 Resp: 151526

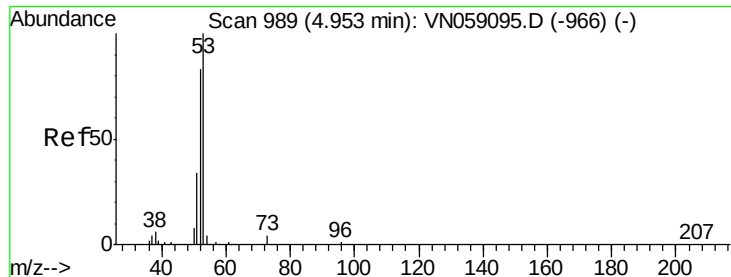
Ion Ratio Lower Upper

41 100

39 60.7 49.1 73.7

76 30.7 24.9 37.3





#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

ClientSampleId :

VN1114WBSD01

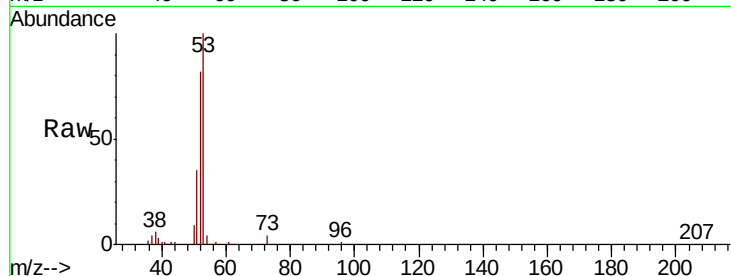
Tot Ion: 53 Resp: 267941

Ion Ratio Lower Upper

53 100

52 82.2 65.0 97.6

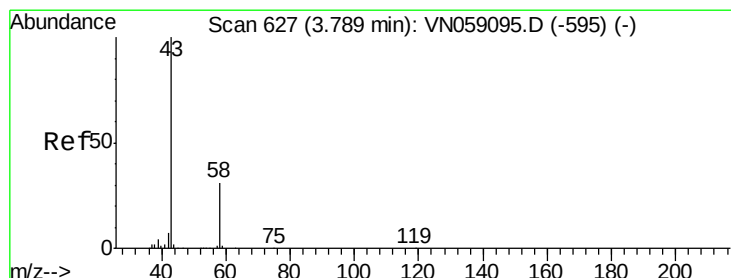
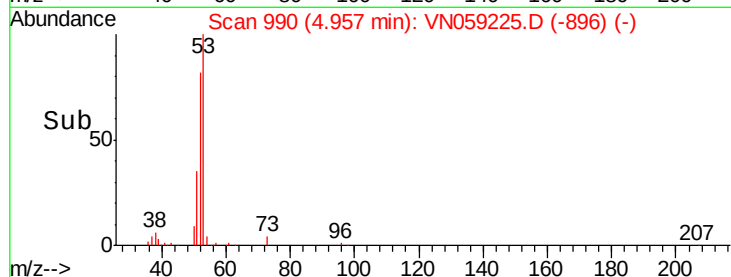
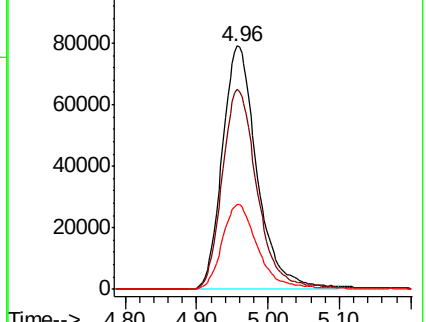
51 36.0 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059225.D (-534) (-)

Ion 52.00 (51.70 to 52.70): VN059225.D (-534) (-)

Ion 51.00 (50.70 to 51.70): VN059225.D (-534) (-)



#16

Acetone

Concen: 89.583 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN059225.D

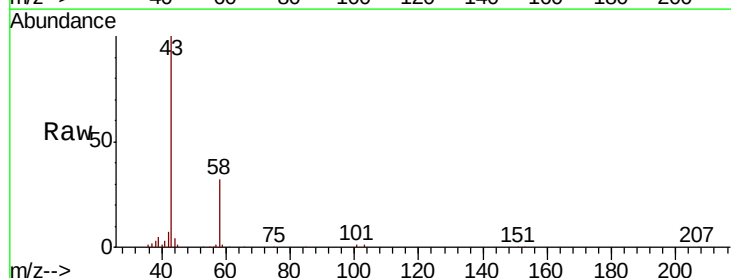
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 225142

Ion Ratio Lower Upper

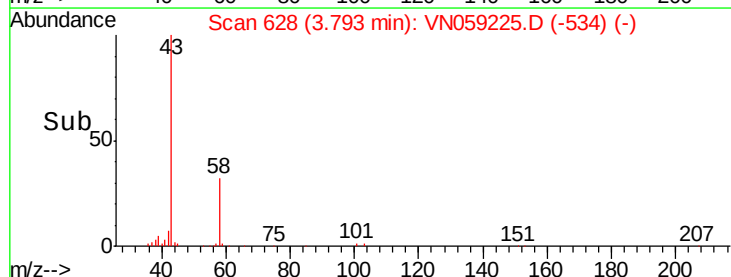
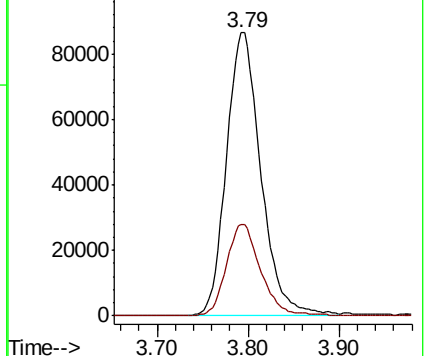
43 100

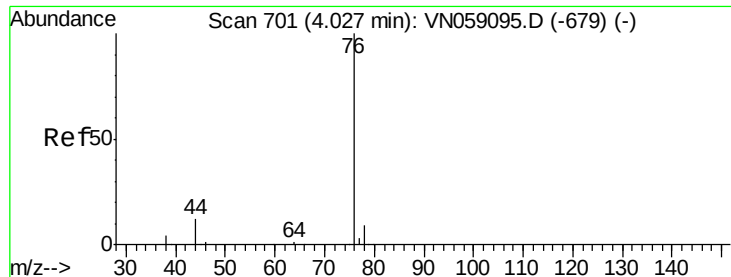
58 32.6 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059225.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059225.D (-534) (-)





#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 :

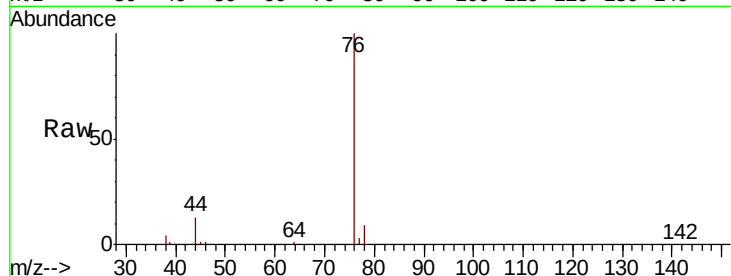
VN1114WBSD01

Tot Ion: 76 Resp: 201503

Ion Ratio Lower Upper

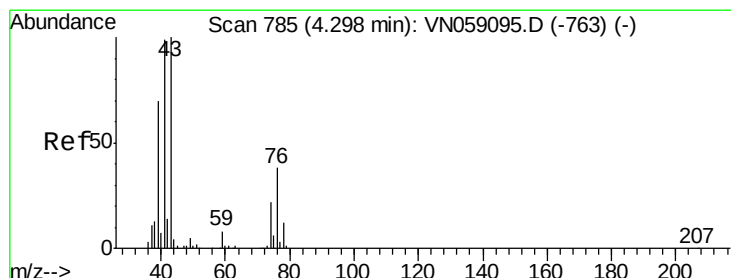
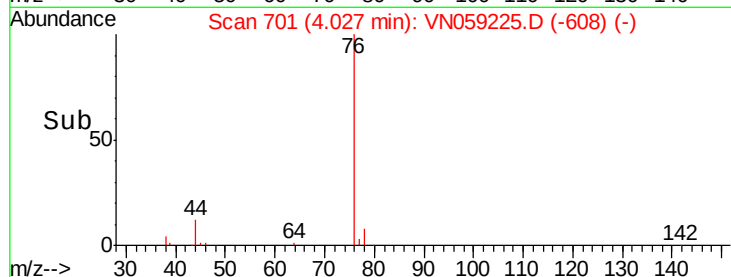
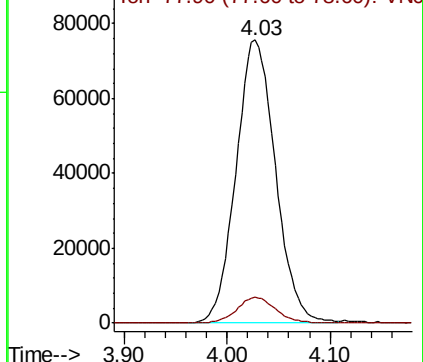
76 100

78 9.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#18

Methyl Acetate

Concen: 23.530 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN059225.D

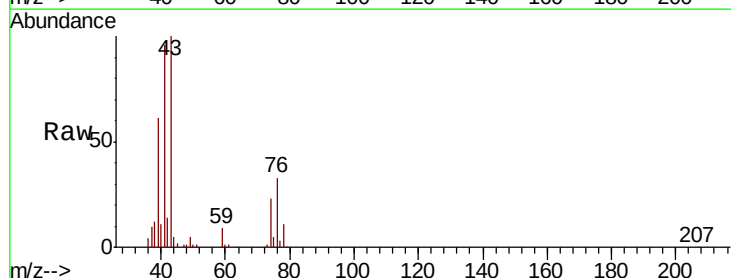
Acq: 14 Nov 2019 12:03

Tgt Ion: 43 Resp: 140368

Ion Ratio Lower Upper

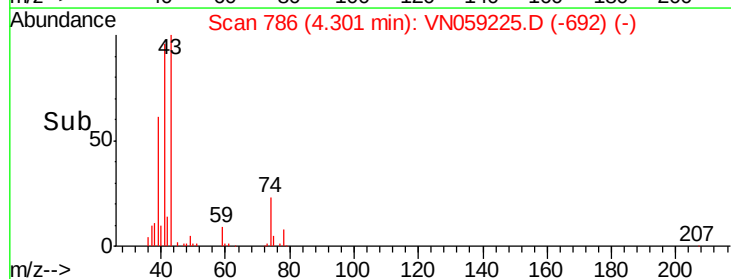
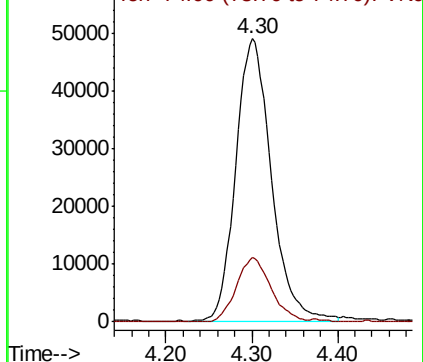
43 100

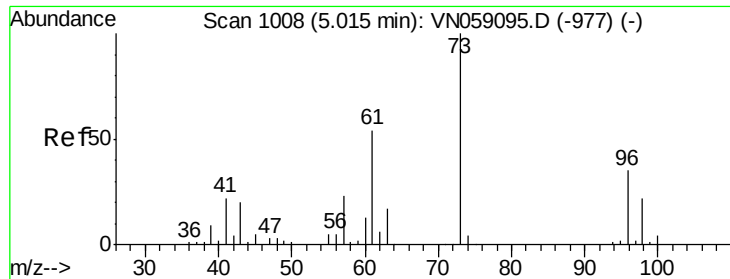
74 22.2 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

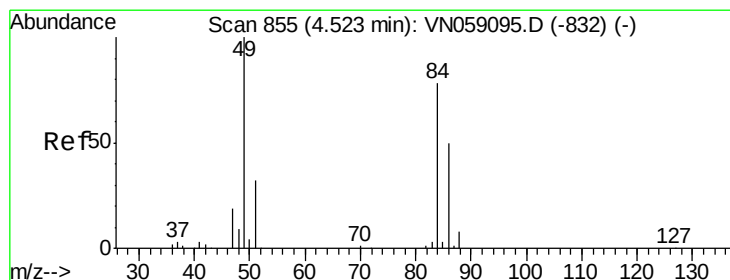
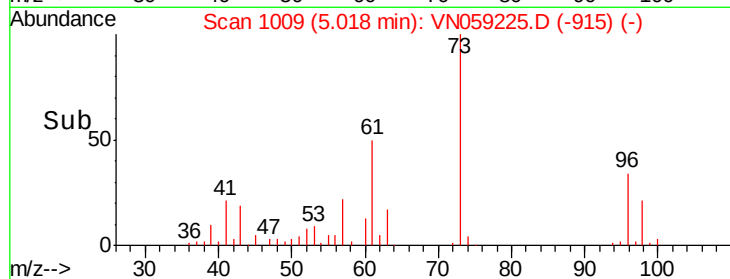
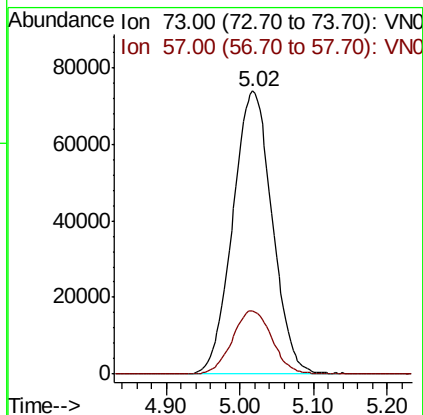
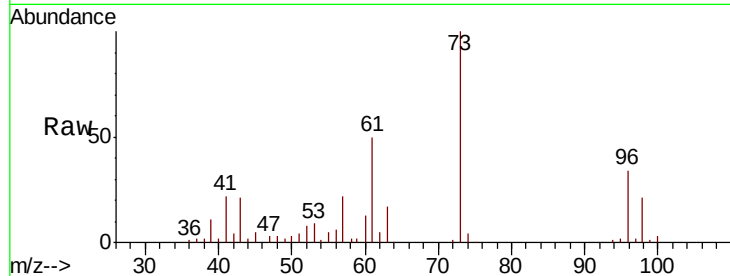




#19
Methyl tert-butyl Ether
Concen: 21.739 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

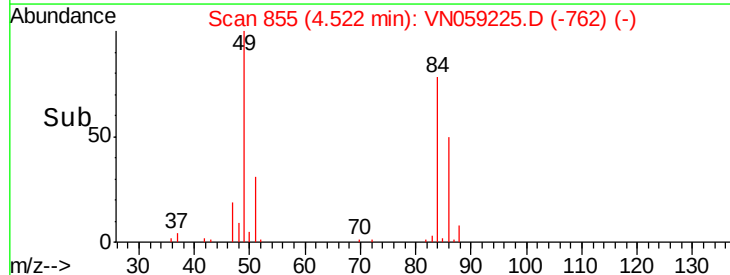
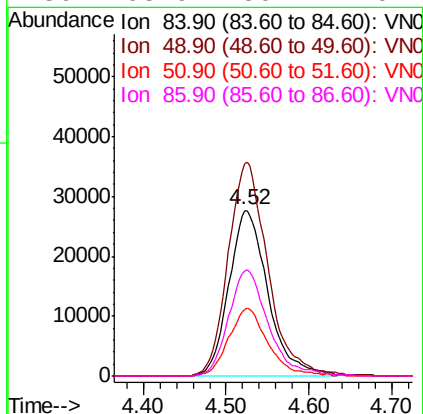
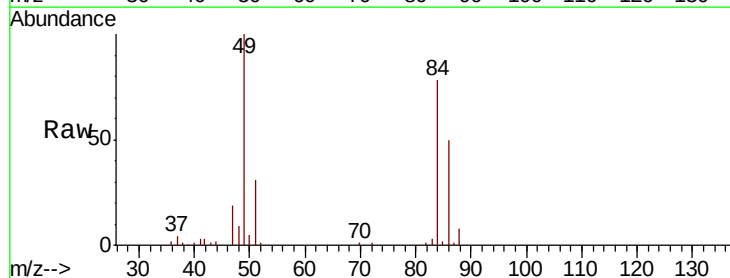
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

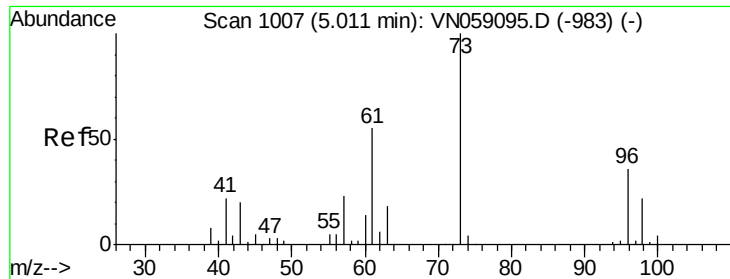
Tot Ion: 73 Resp: 274494
Ion Ratio Lower Upper
73 100
57 22.2 18.4 27.6



#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

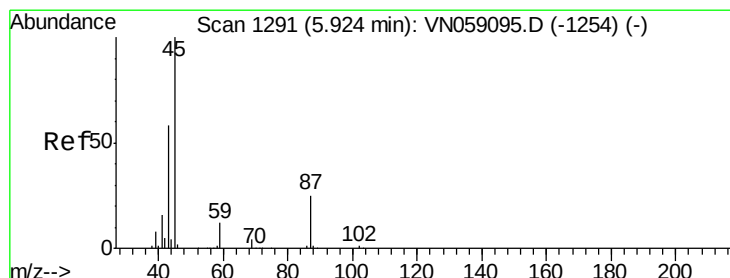
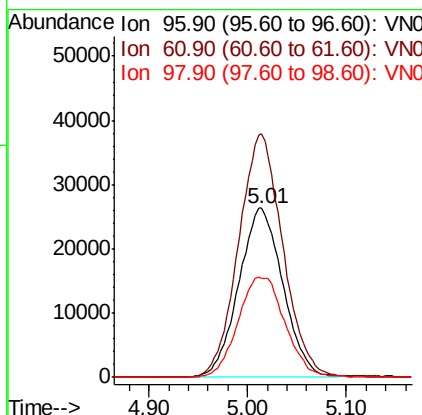
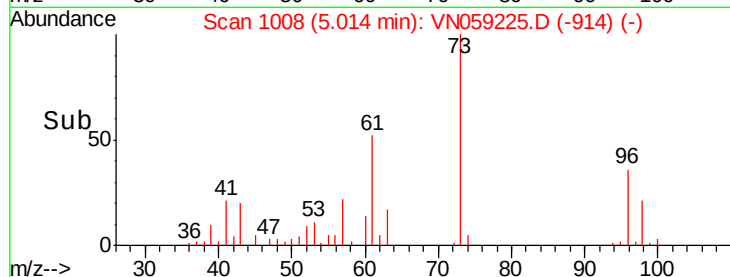
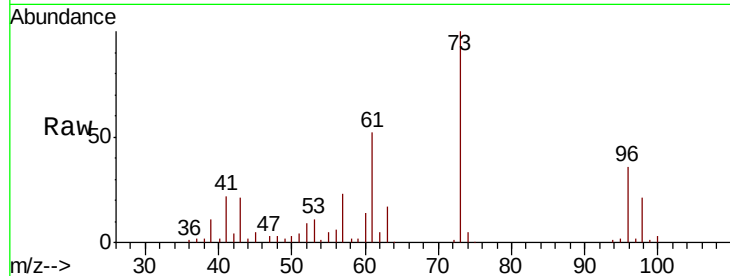




#21
trans-1,2-Dichloroethene
Concen: 20.795 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

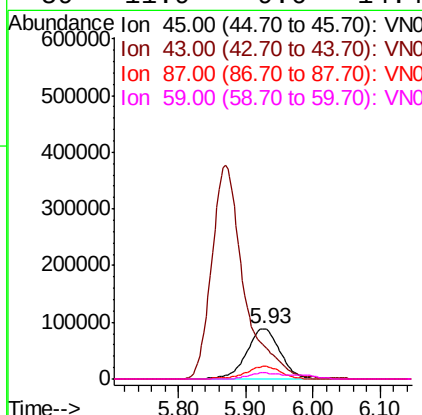
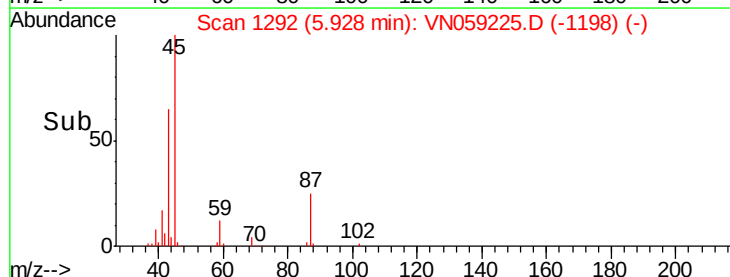
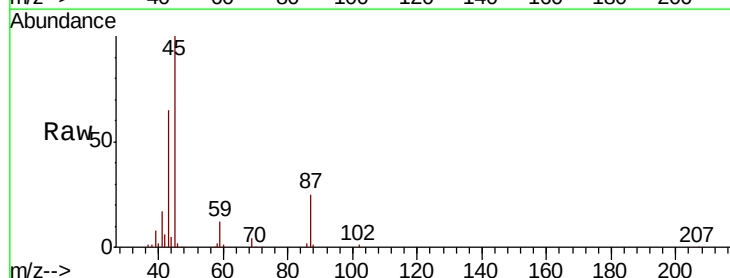
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

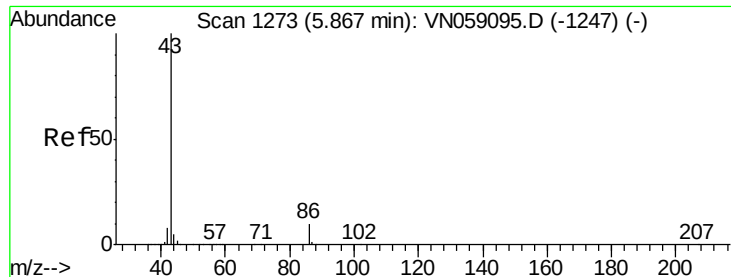
Tot Ion: 96 Resp: 81865
Ion Ratio Lower Upper
96 100
61 144.1 122.6 183.8
98 58.9 50.3 75.5



#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





#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

ClientSampleId :

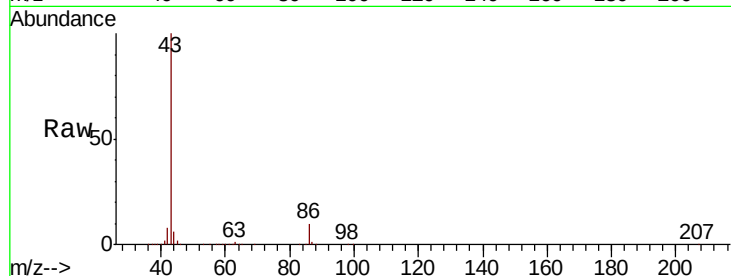
VN1114WBSD01

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): VN059225.D (-1180) (-)

Ion 86.00 (85.70 to 86.70): VN059225.D (-1180) (-)

5.87

400000

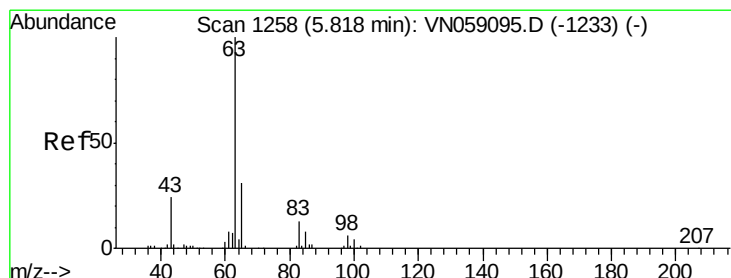
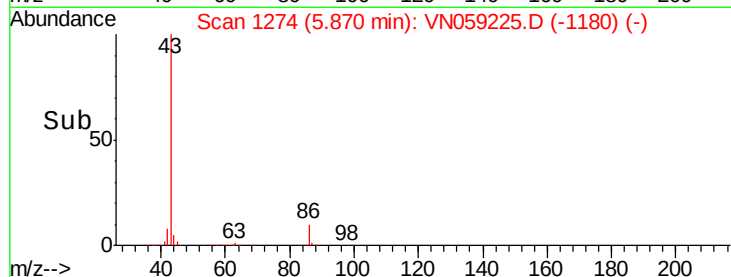
300000

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

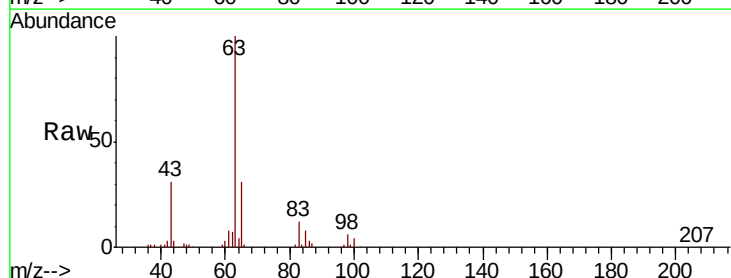
Tgt Ion: 63 Resp: 168921

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): VN059225.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059225.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059225.D (-1165) (-)

5.82

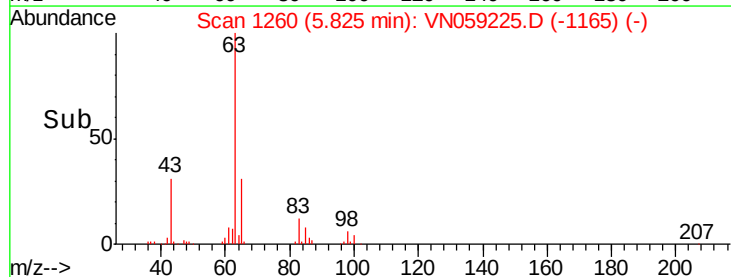
60000

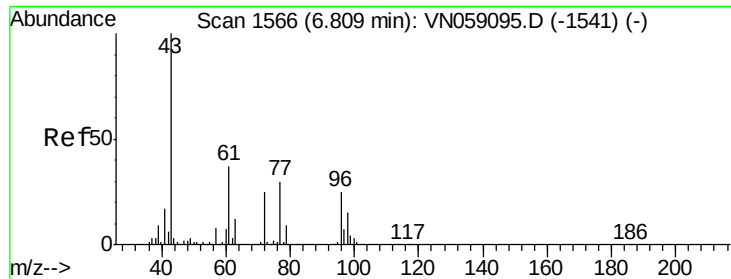
40000

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 :

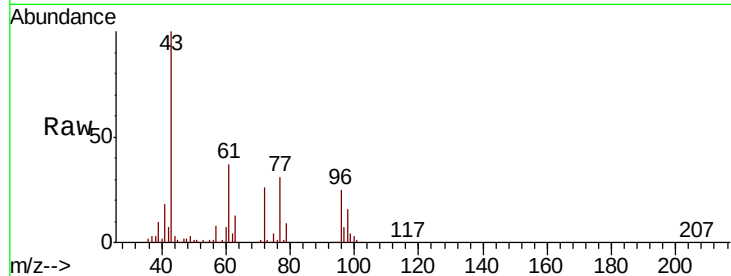
VN1114WBSD01

Tot Ion: 43 Resp: 359339

Ion Ratio Lower Upper

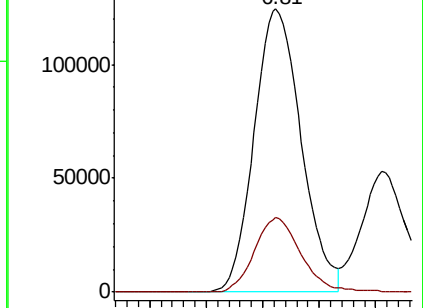
43 100

72 26.2 20.3 30.5

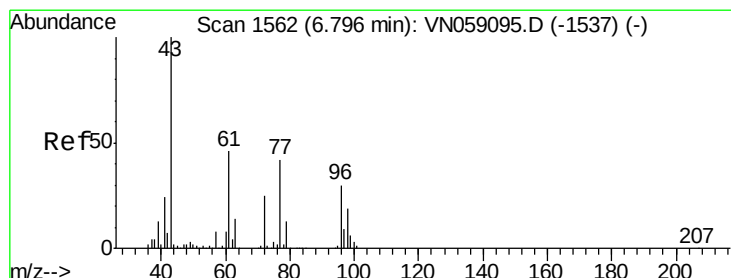
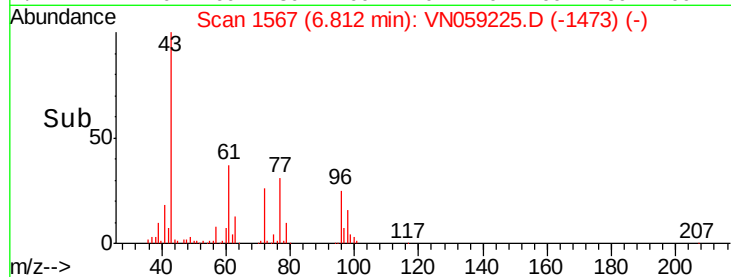


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



Time-->



#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

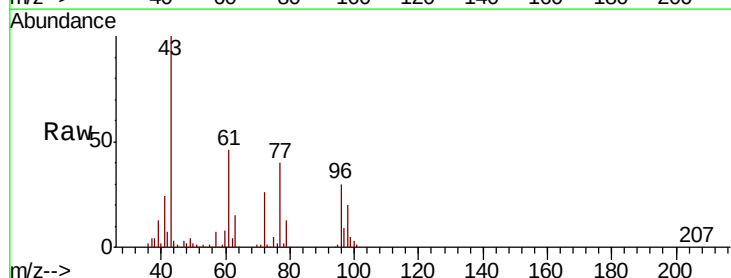
Acq: 14 Nov 2019 12:03

Tgt Ion: 77 Resp: 141473

Ion Ratio Lower Upper

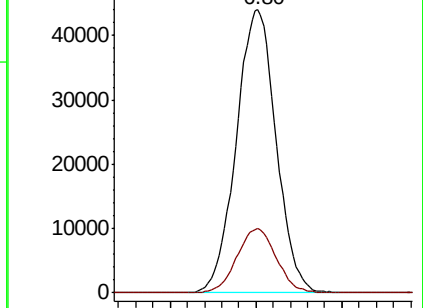
77 100

97 22.3 11.2 33.6

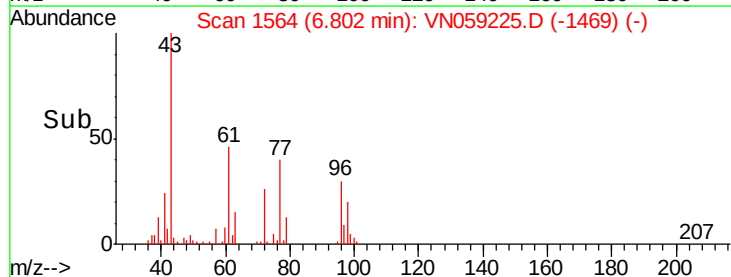


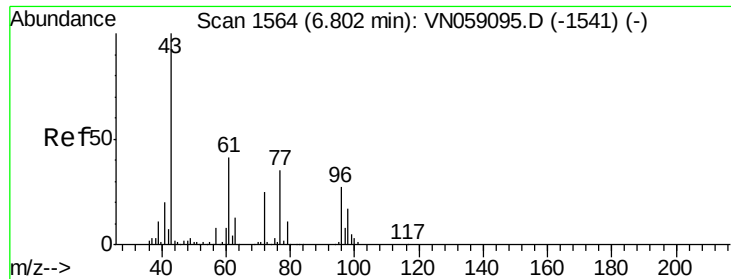
Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0



Time-->





#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 :

VN1114WBSD01

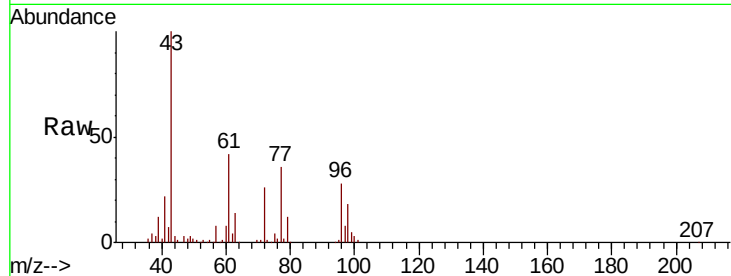
Tot Ion: 96 Resp: 97136

Ion Ratio Lower Upper

96 100

61 151.1 0.0 311.6

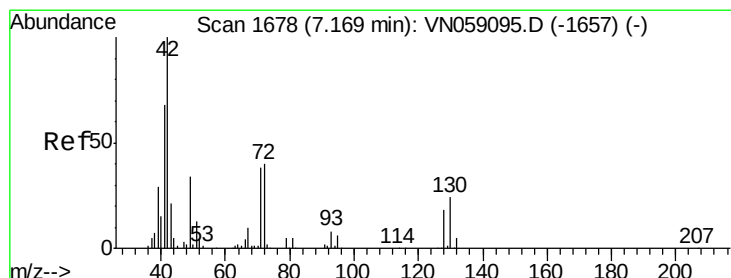
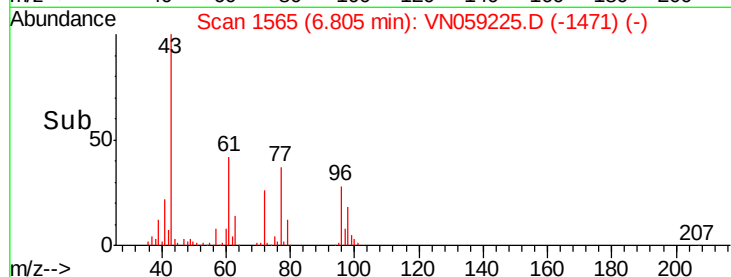
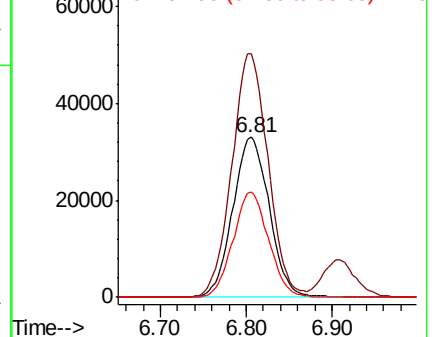
98 64.1 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059225.D (-1471) (-)

Ion 60.90 (60.60 to 61.60): VN059225.D (-1471) (-)

Ion 97.90 (97.60 to 98.60): VN059225.D (-1471) (-)



#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

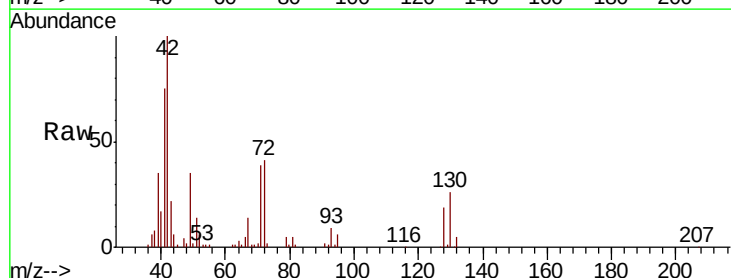
Tgt Ion: 49 Resp: 49634

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

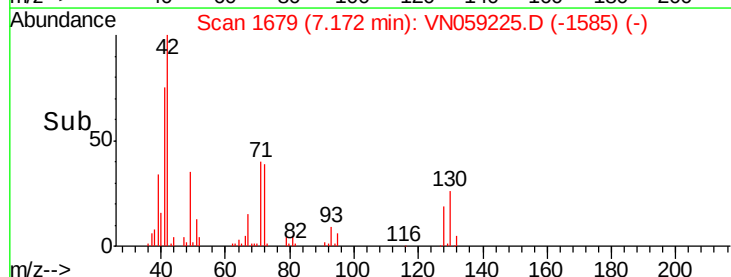
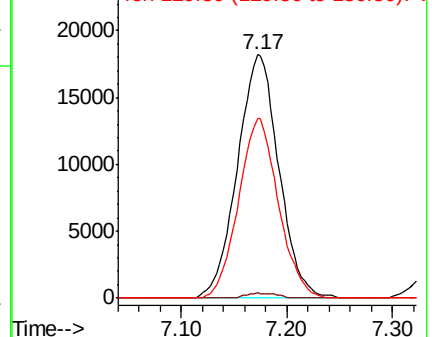
130 70.8 55.6 83.4

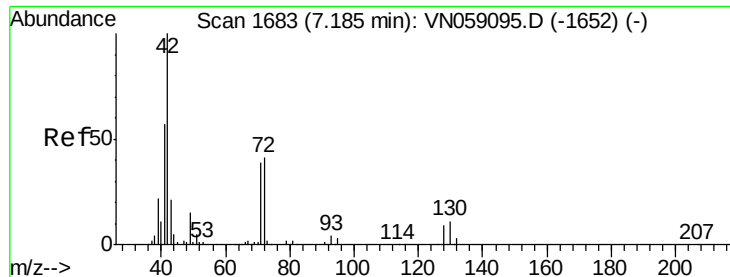


Abundance Ion 48.90 (48.60 to 49.60): VN059225.D (-1585) (-)

Ion 128.80 (128.50 to 129.50): VN059225.D (-1585) (-)

Ion 129.80 (129.50 to 130.50): VN059225.D (-1585) (-)

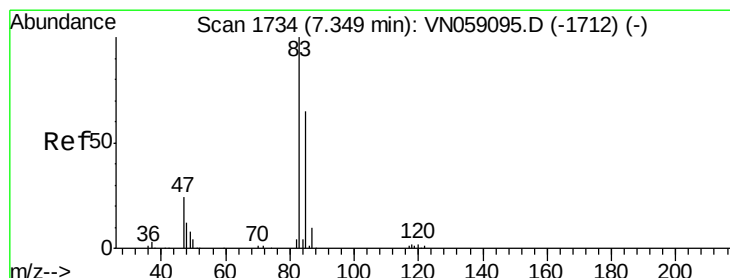
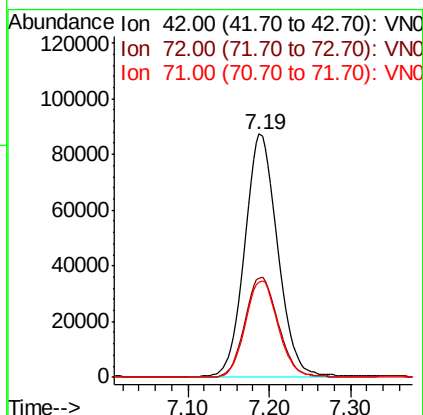
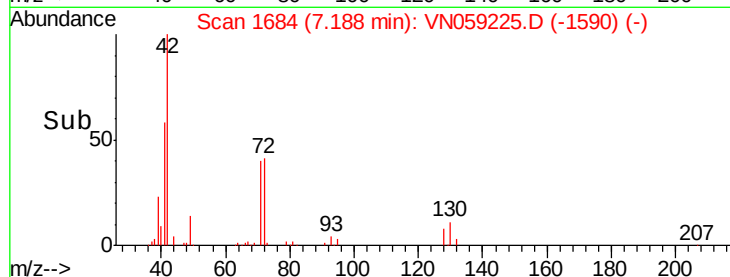
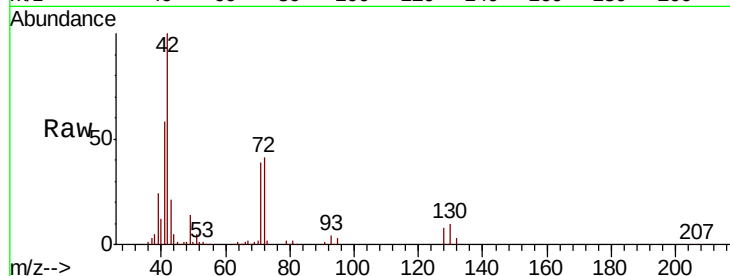




#29
Tetrahydrofuran
Concen: 115.865 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

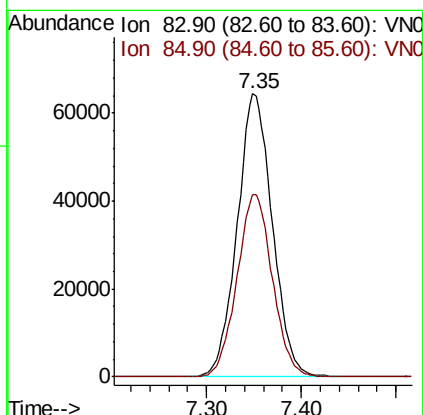
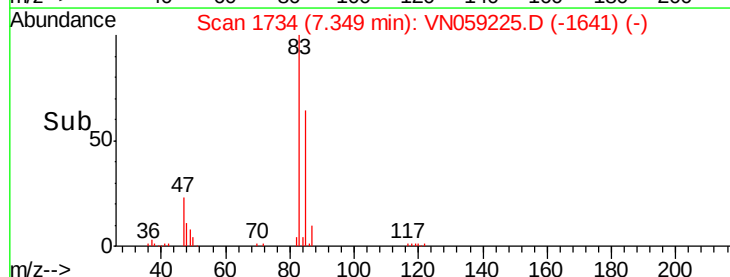
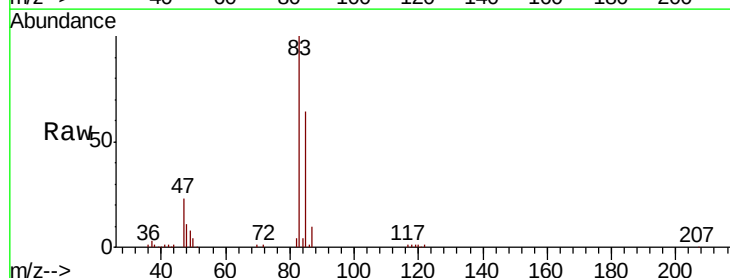
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

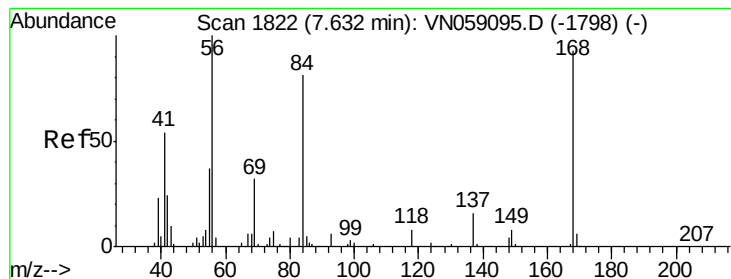
Tot Ion: 42 Resp: 243853
Ion Ratio Lower Upper
42 100
72 41.4 33.1 49.7
71 39.5 30.9 46.3



#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





#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

ClientSampleId :

VN1114WBSD01

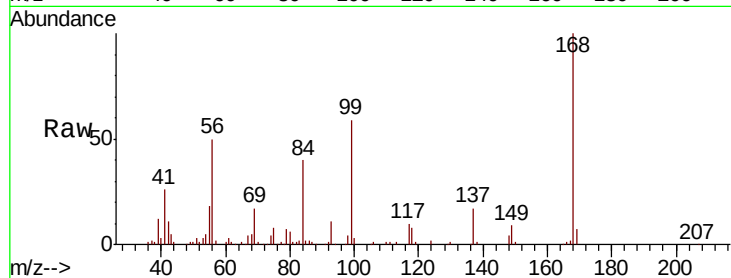
Tot Ion: 56 Resp: 143696

Ion Ratio Lower Upper

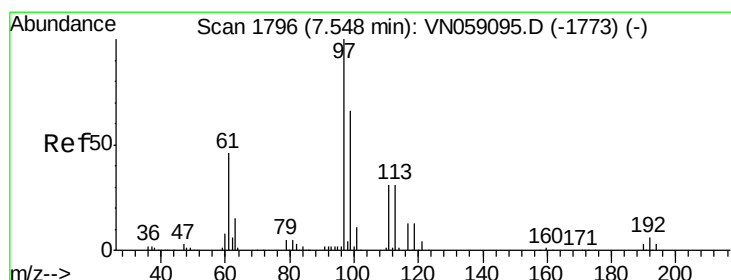
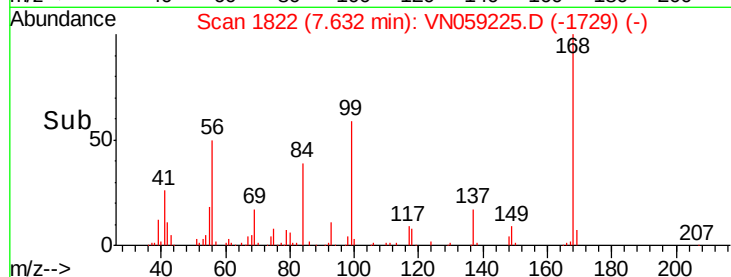
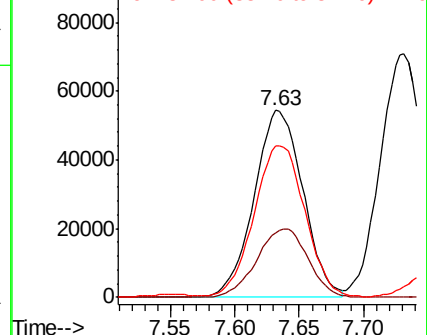
56 100

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

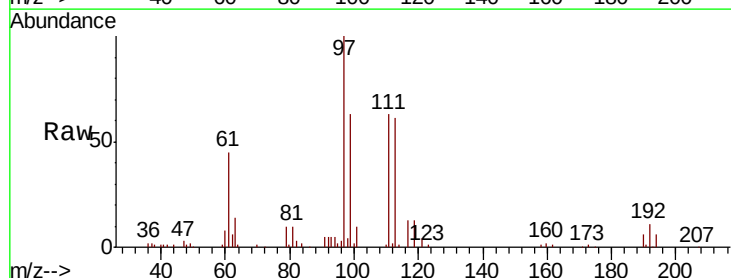
Tgt Ion: 97 Resp: 137704

Ion Ratio Lower Upper

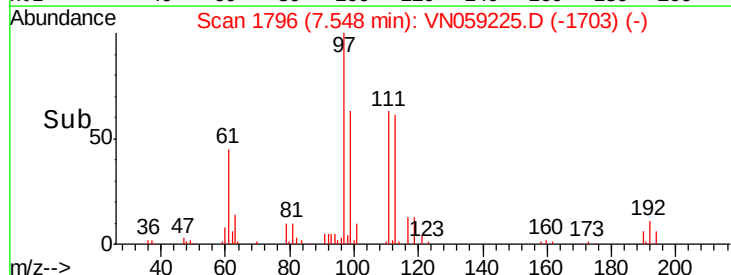
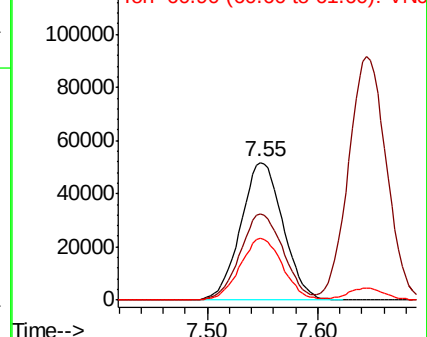
97 100

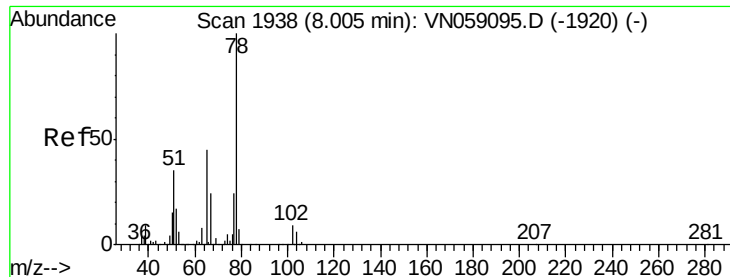
99 64.0 51.0 76.6

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

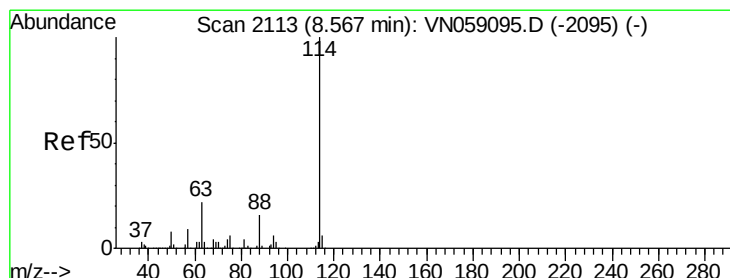
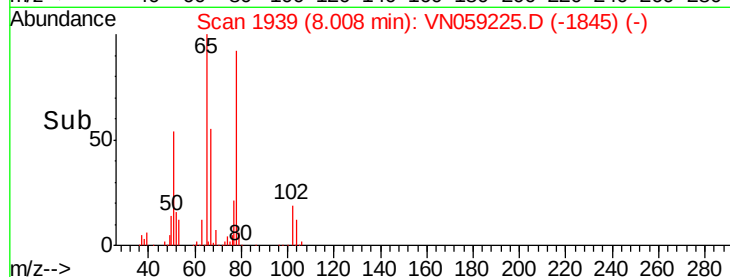
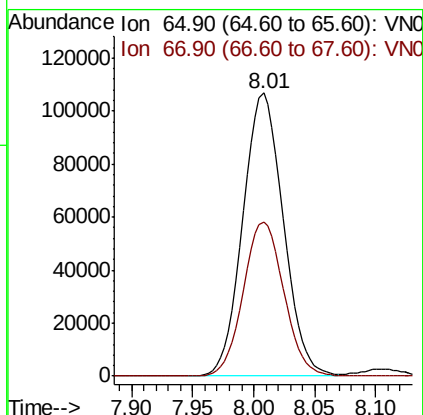
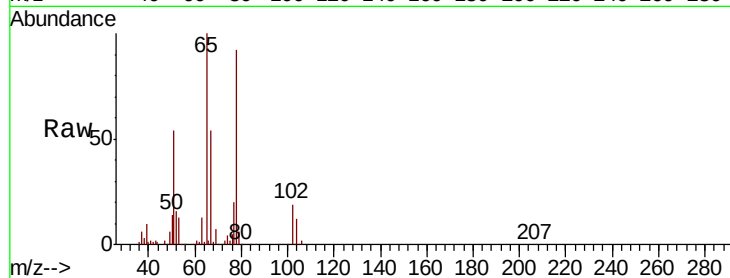




#33
 1,2-Dichloroethane-d4
 Concen: 50.769 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

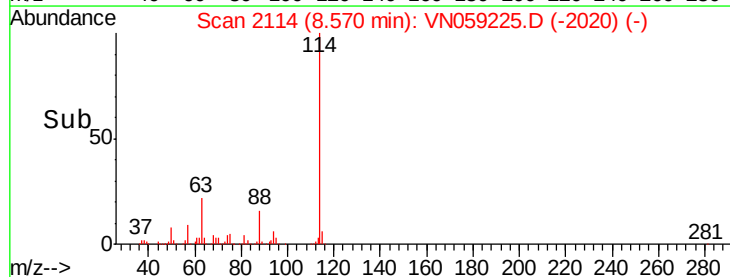
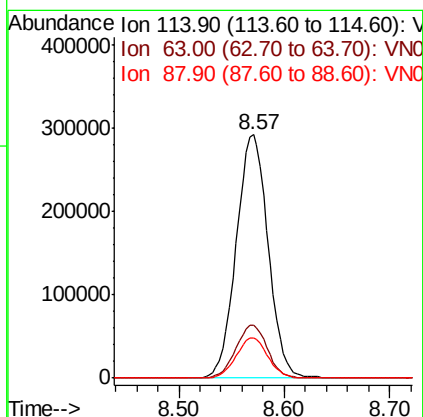
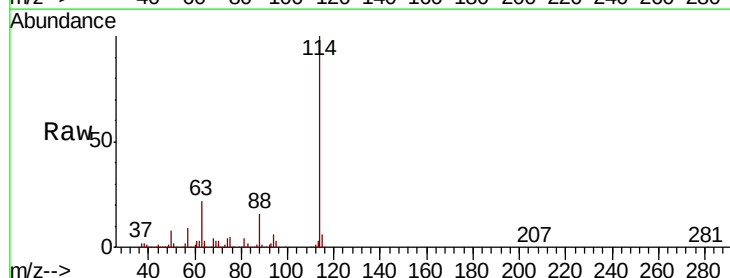
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

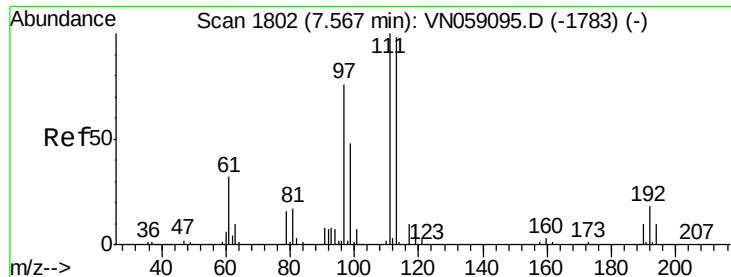
Tot Ion: 65 Resp: 245365
 Ion Ratio Lower Upper
 65 100
 67 54.5 0.0 107.4



#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

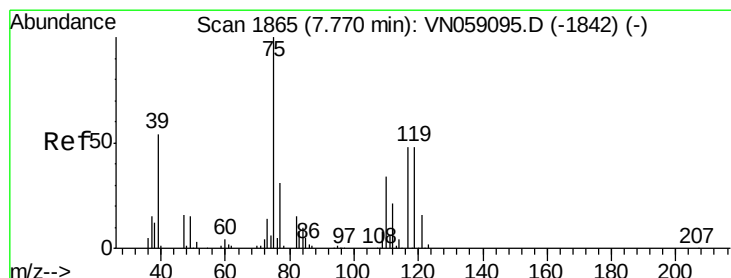
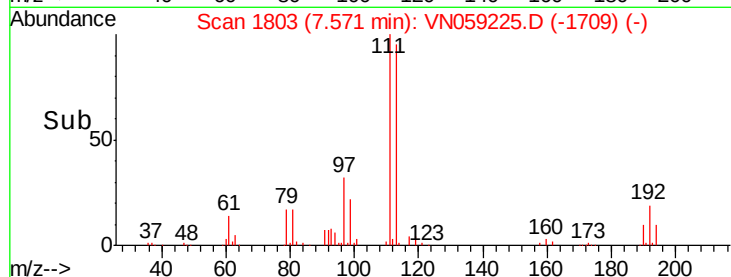
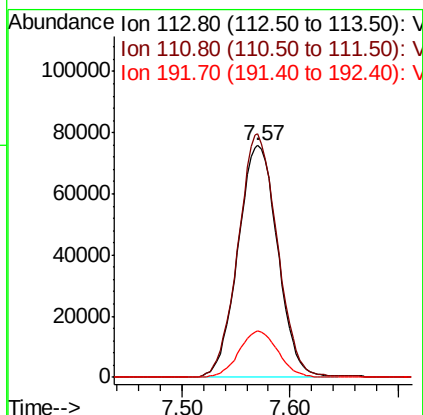
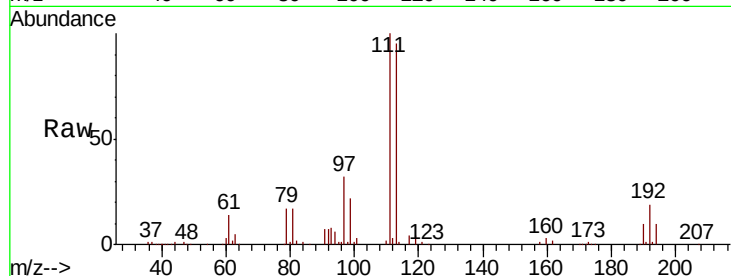




#35
Dibromofluoromethane
Concen: 53.075 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

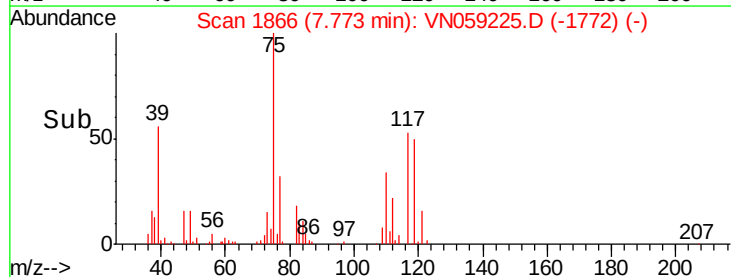
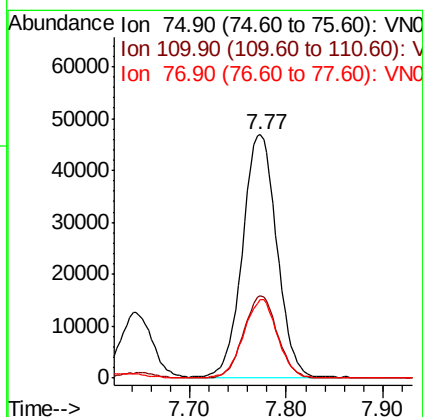
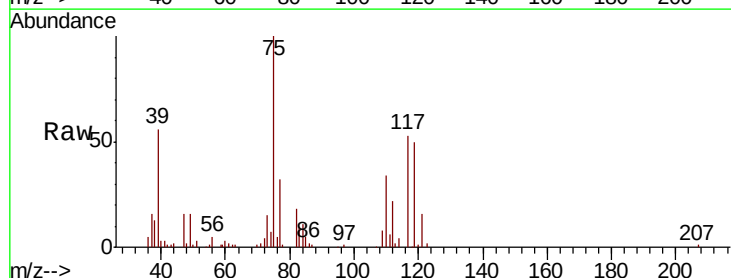
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

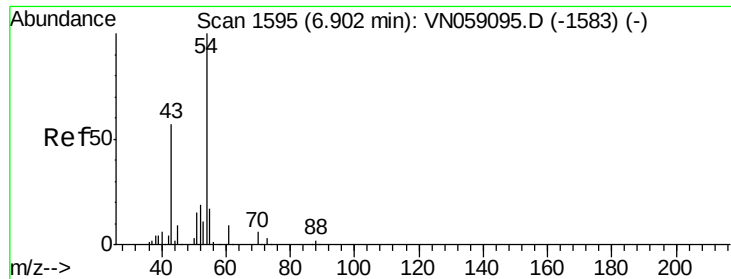
Tot Ion:113 Resp: 193956
Ion Ratio Lower Upper
113 100
111 104.1 82.8 124.2
192 19.7 16.1 24.1



#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

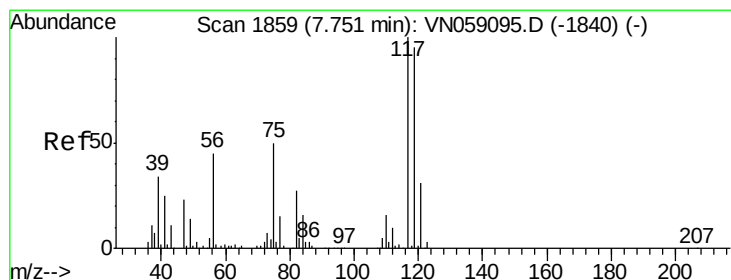
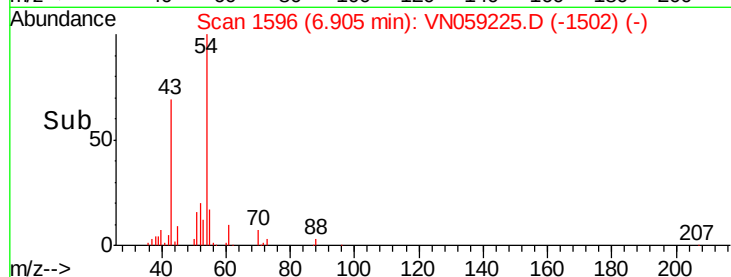
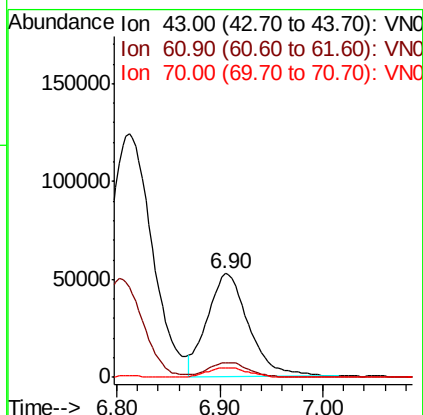
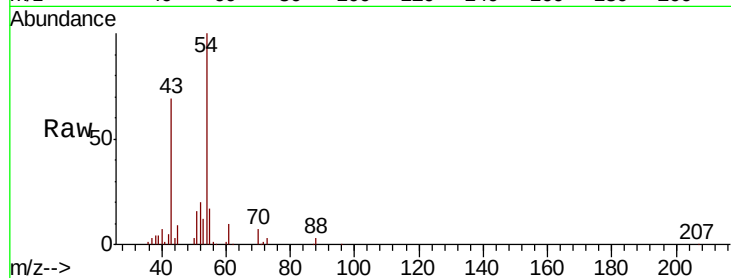




#37
Ethyl Acetate
Concen: 22.984 ug/l
RT: 6.90 min Scan# 1596
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

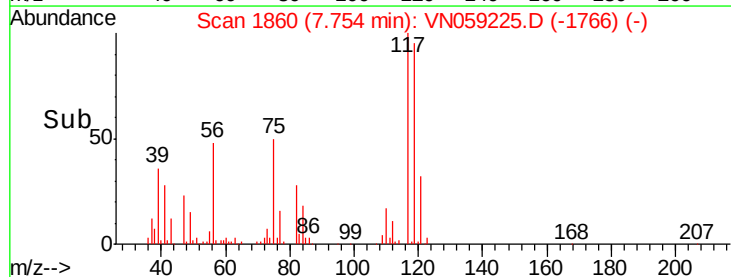
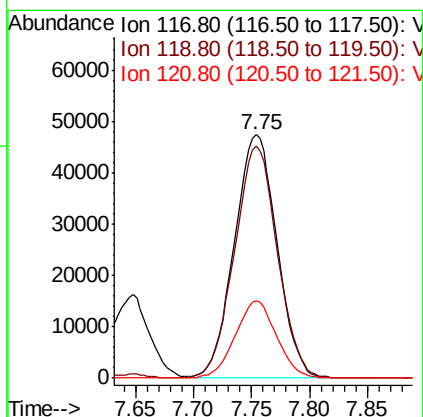
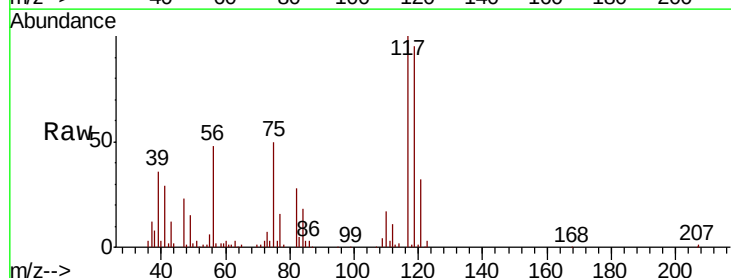
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

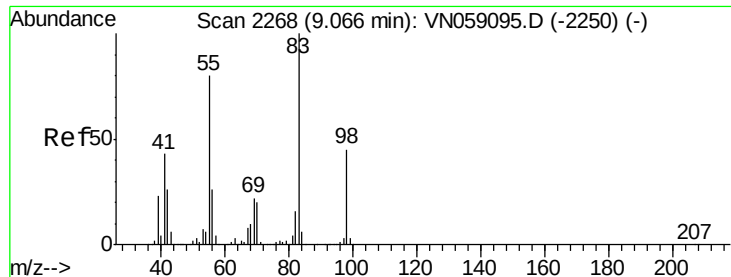
Tot Ion: 43 Resp: 146267
Ion Ratio Lower Upper
43 100
61 14.3 11.2 16.8
70 9.8 7.8 11.8



#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

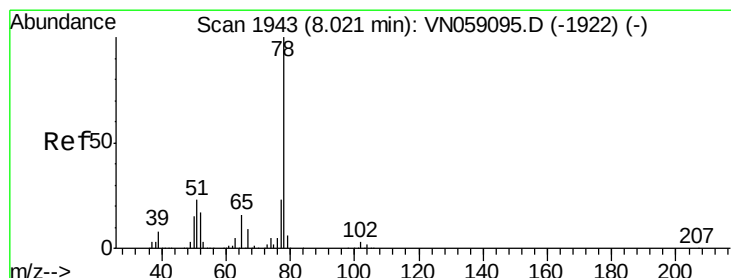
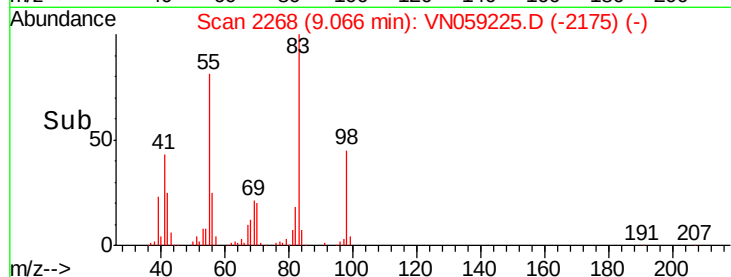
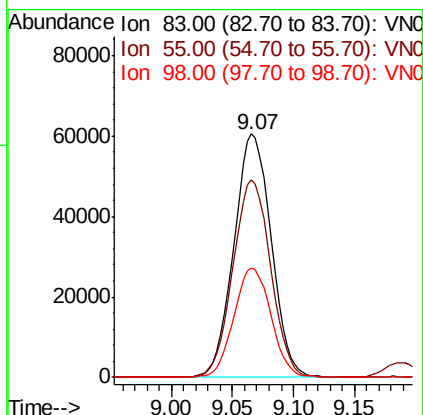
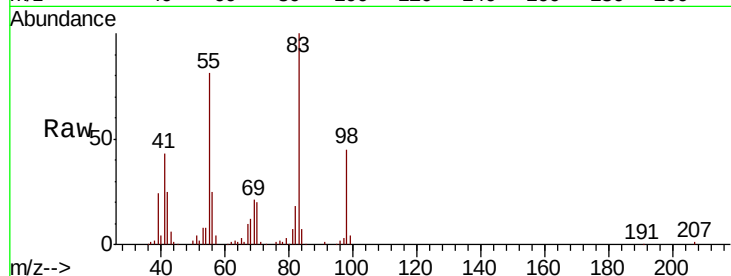




#39
Methylvlcyclohexane
Concen: 19.304 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

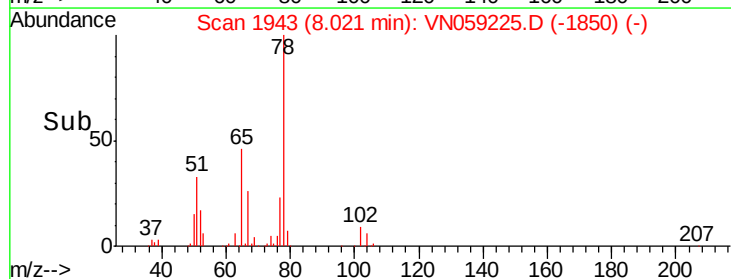
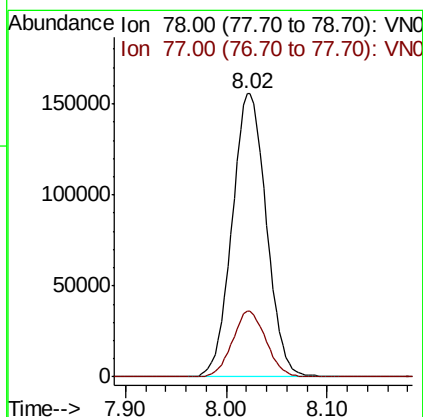
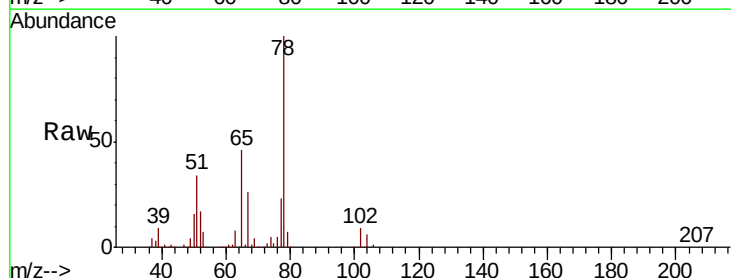
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

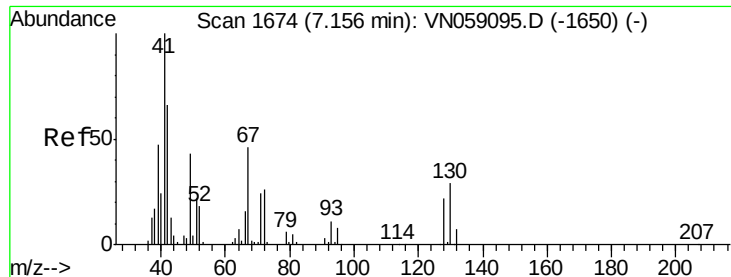
Tot Ion: 83 Resp: 128162
Ion Ratio Lower Upper
83 100
55 81.1 63.9 95.9
98 45.0 35.6 53.4



#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

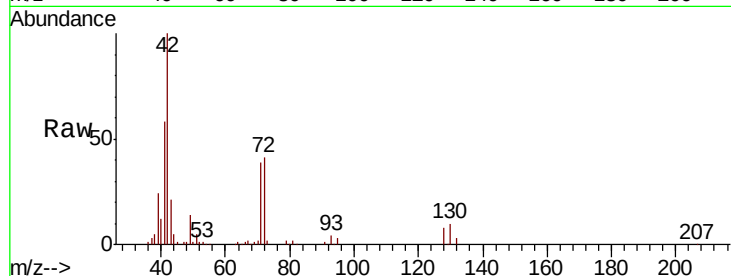




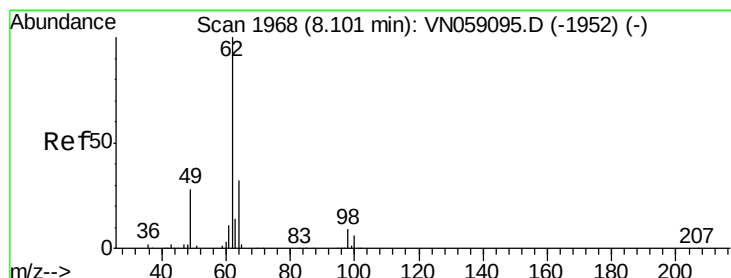
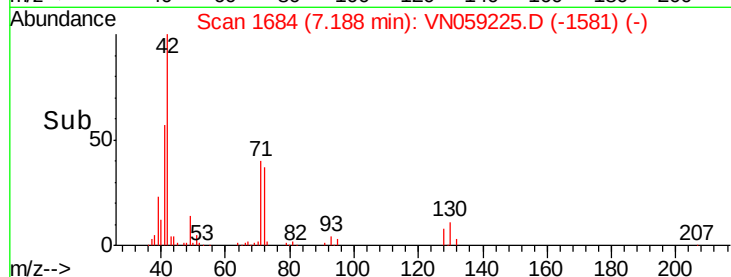
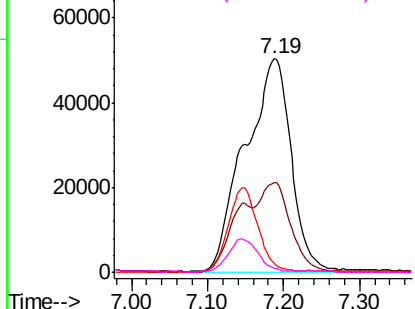
#41
Methacrylonitrile
Concen: 77.031 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.03 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

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

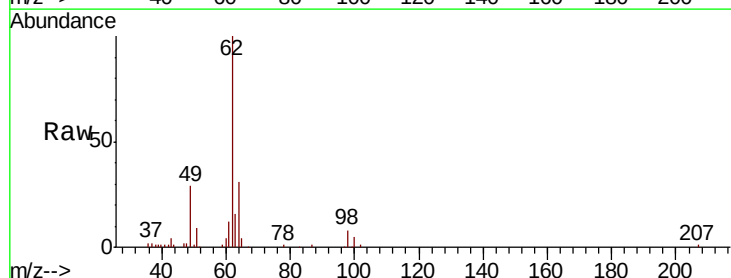


Abundance Ion 41.00 (40.70 to 41.70): VNC
Ion 39.00 (38.70 to 39.70): VNC
Ion 67.00 (66.70 to 67.70): VNC
Ion 52.00 (51.70 to 52.70): VNC

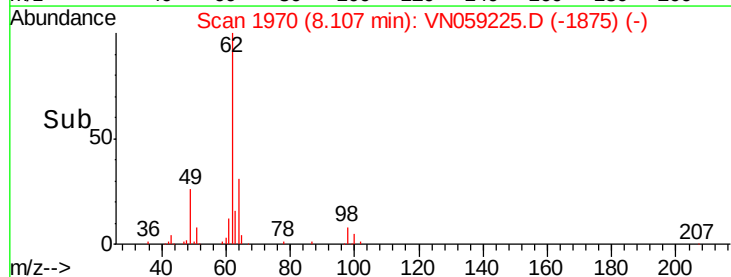
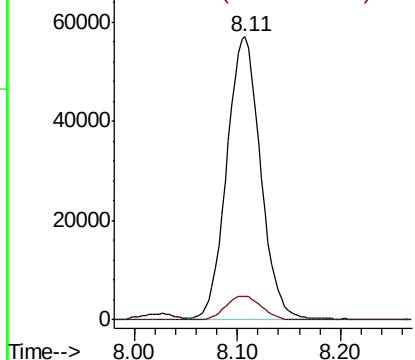


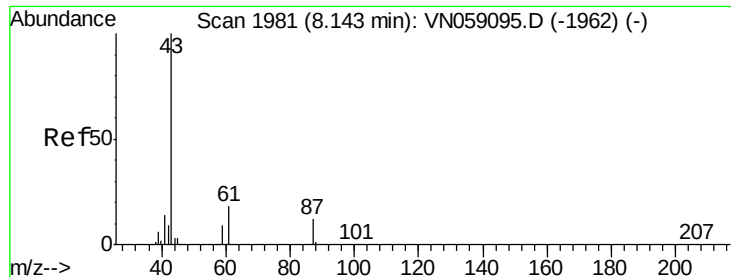
#42
1,2-Dichloroethane
Concen: 21.979 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.01 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

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

ClientSampled :

VN1114WBSD01

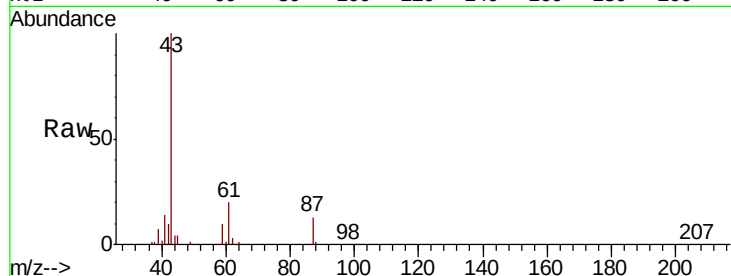
Tot Ion: 43 Resp: 221765

Ion Ratio Lower Upper

43 100

61 26.2 21.0 31.6

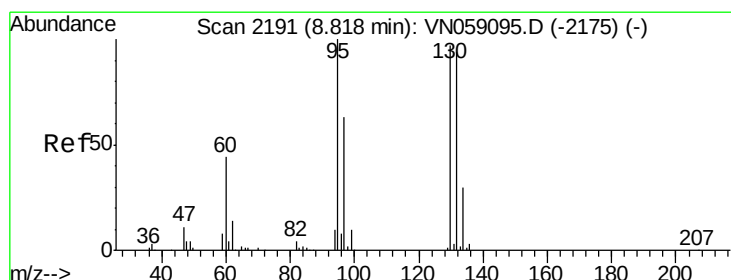
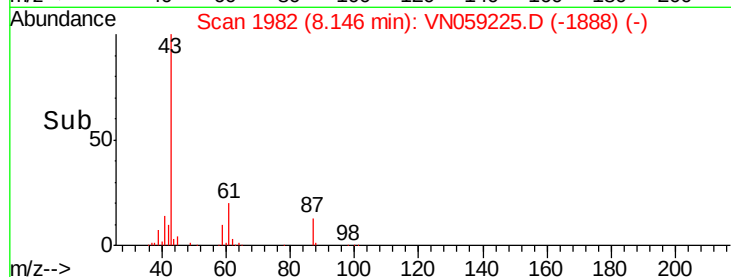
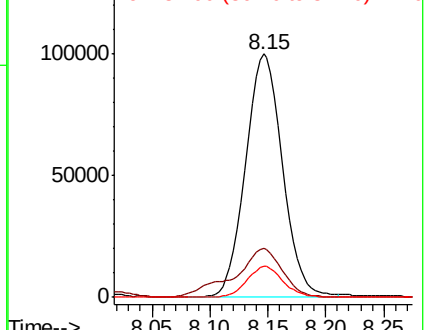
87 12.5 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)



#44

Trichloroethene

Concen: 20.787 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059225.D

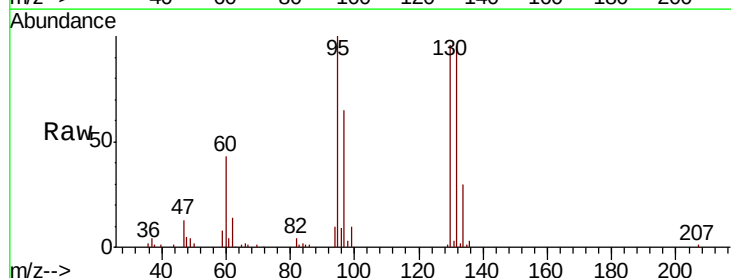
Acq: 14 Nov 2019 12:03

Tgt Ion:130 Resp: 88026

Ion Ratio Lower Upper

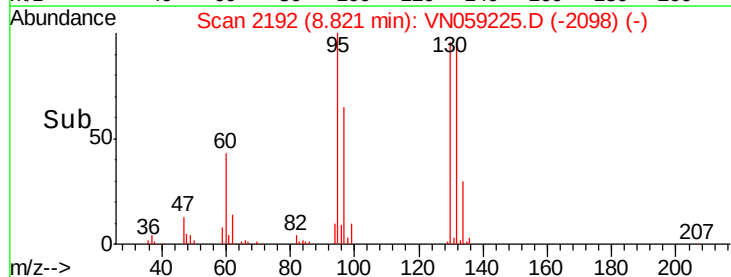
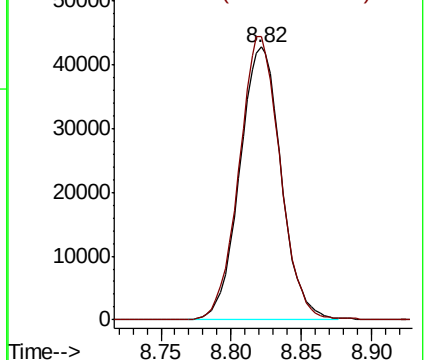
130 100

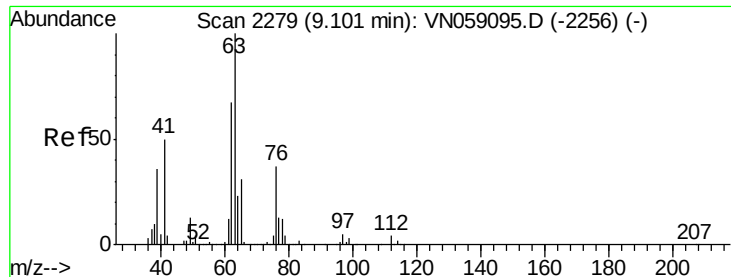
95 103.8 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)

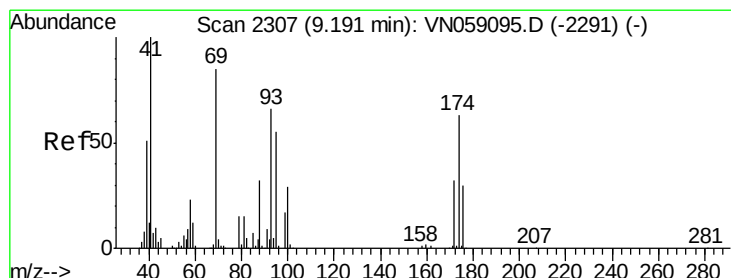
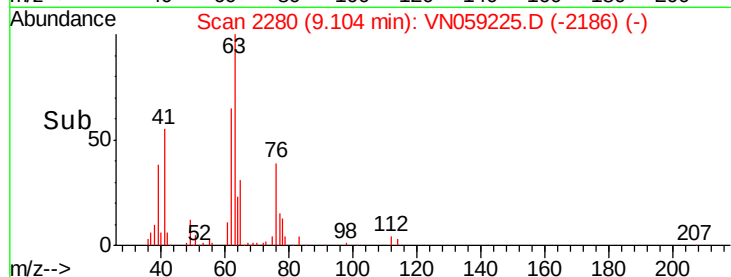
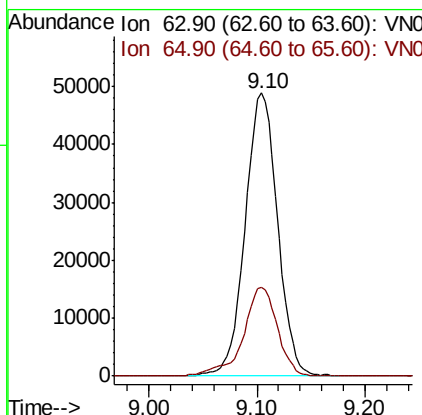
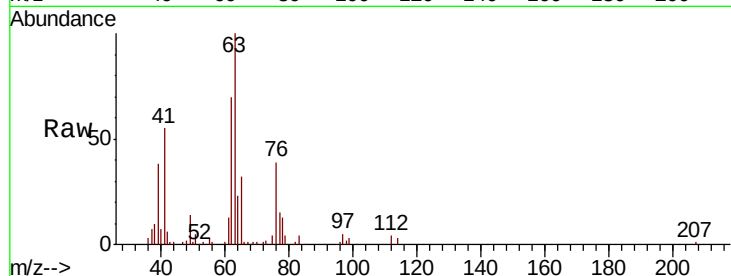




#45
 1,2-Dichloropropane
 Concen: 21.813 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

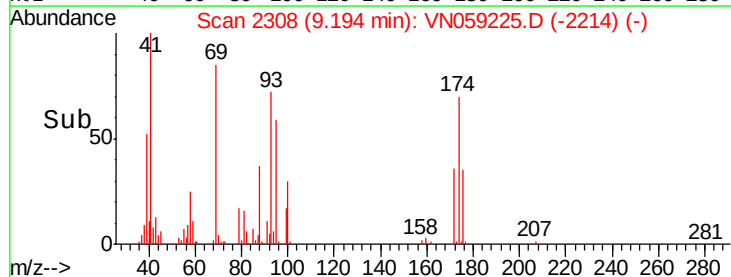
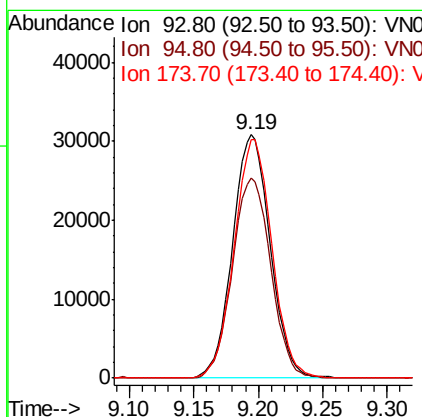
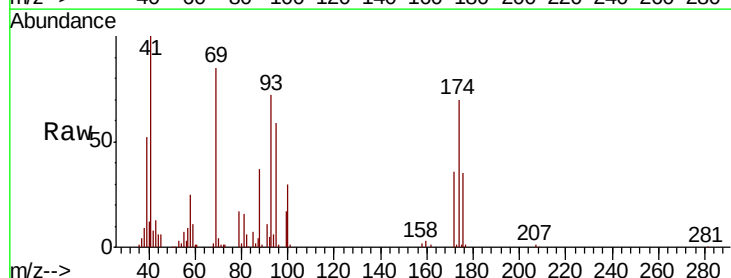
Instrument :
 MSVOA_N
 ClientSampled :
 VN1114WBSD01

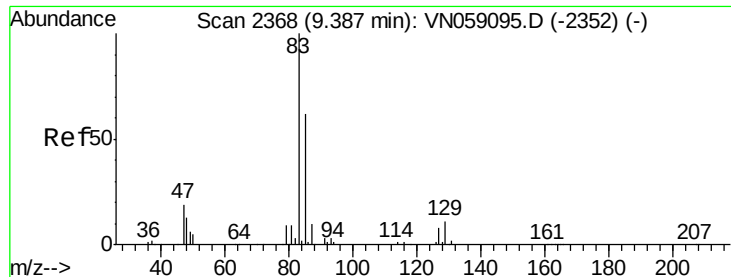
Tot Ion: 63 Resp: 102064
 Ion Ratio Lower Upper
 63 100
 65 31.5 24.6 37.0



#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

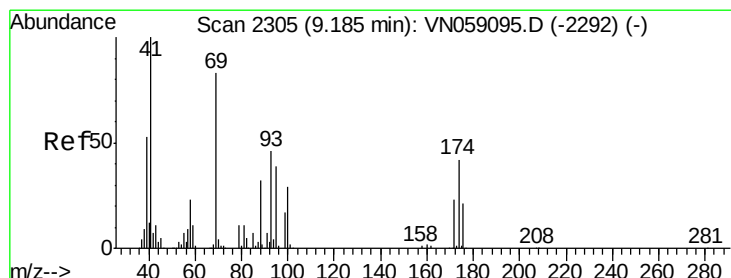
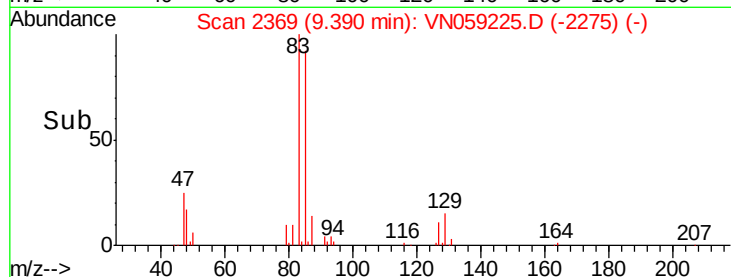
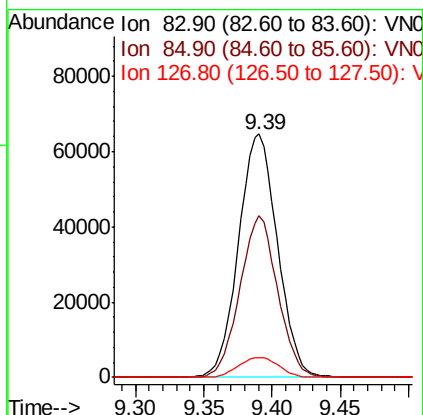
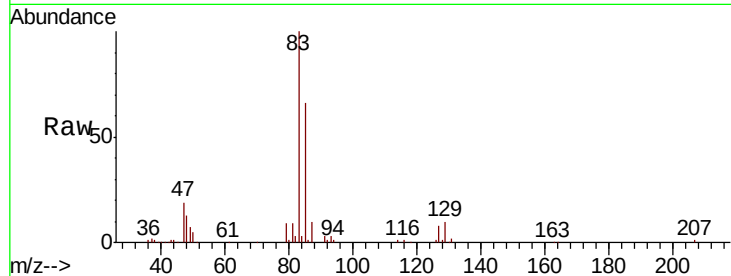




#47
Bromodichloromethane
Concen: 22.021 ug/l
RT: 9.39 min Scan# 2369
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

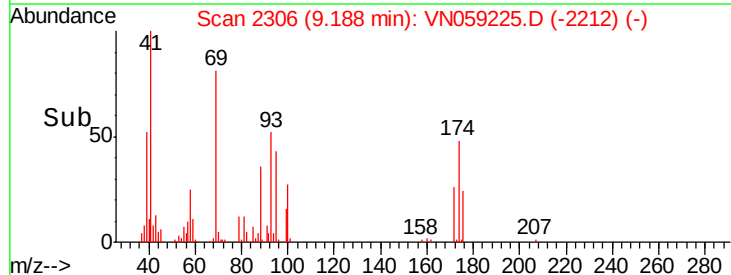
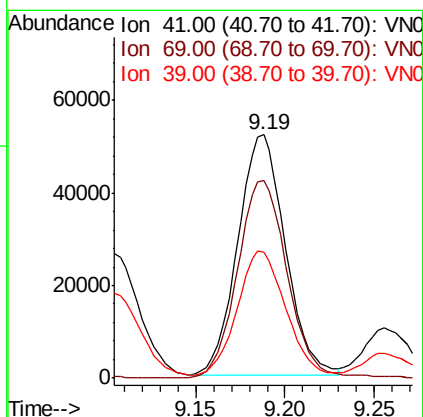
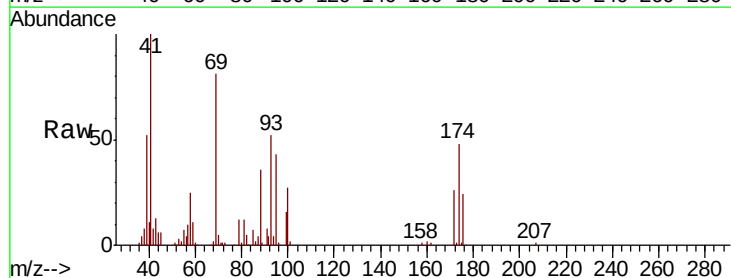
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

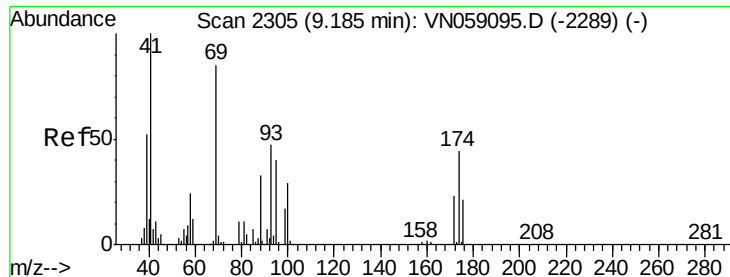
Tot Ion: 83 Resp: 128212
Ion Ratio Lower Upper
83 100
85 66.3 49.7 74.5
127 8.1 6.4 9.6



#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





#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

ClientSampled :

VN1114WBSD01

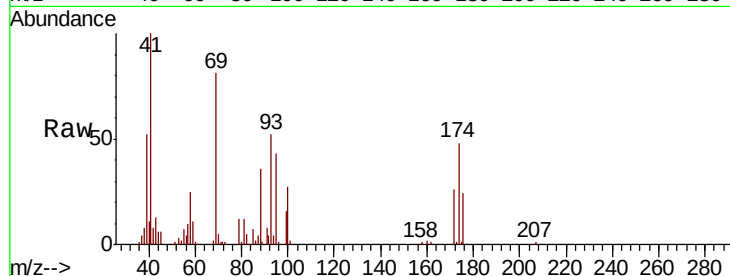
Tot Ion: 88 Resp: 38905

Ion Ratio Lower Upper

88 100

43 34.6 26.3 39.5

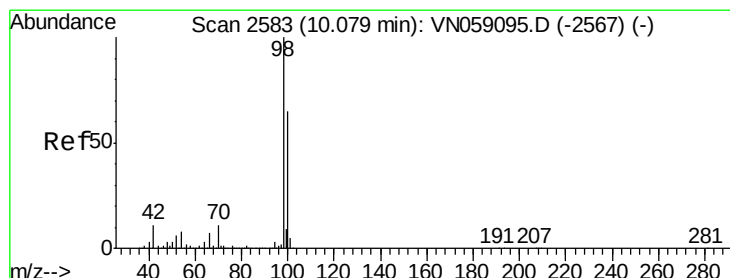
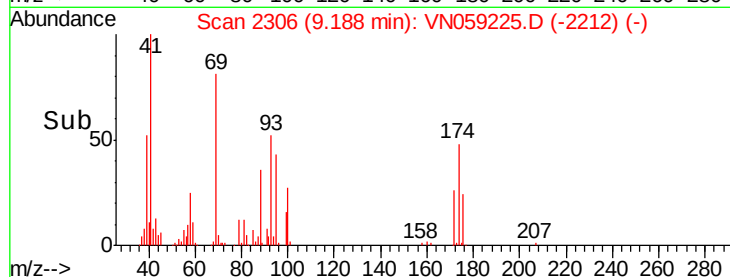
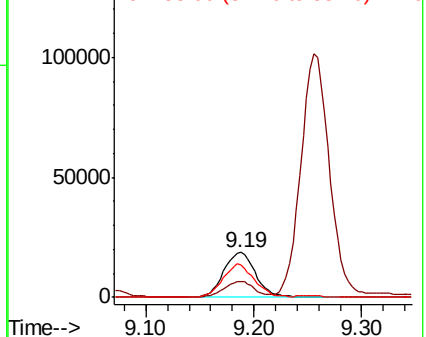
58 72.4 60.6 90.8



Abundance Ion 88.00 (87.70 to 88.70): VN059225.D (-2289) (-)

Ion 43.00 (42.70 to 43.70): VN059225.D (-2289) (-)

Ion 58.00 (57.70 to 58.70): VN059225.D (-2289) (-)



#50

Toluene-d8

Concen: 50.586 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059225.D

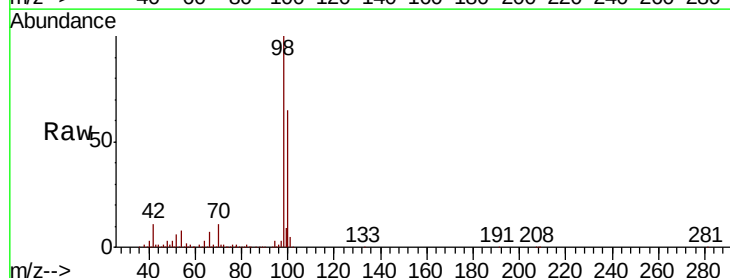
Acq: 14 Nov 2019 12:03

Tgt Ion: 98 Resp: 728145

Ion Ratio Lower Upper

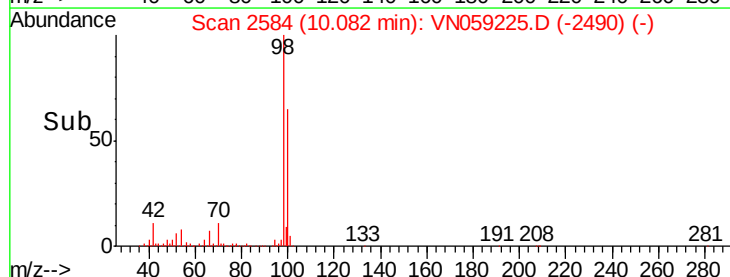
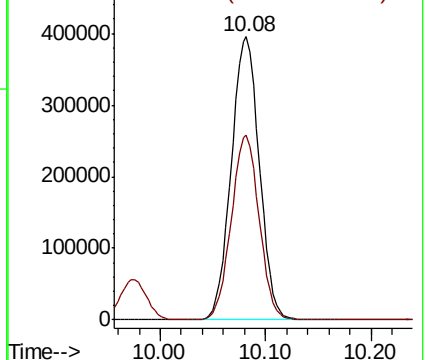
98 100

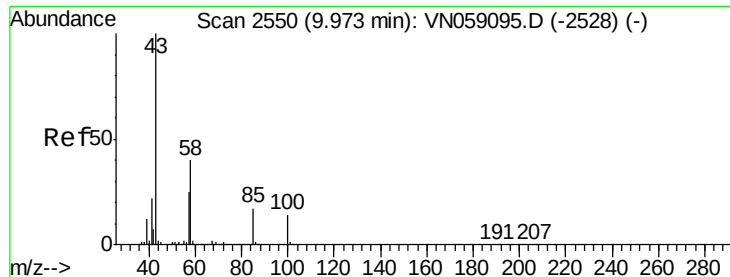
100 64.5 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): VN059225.D (-2567) (-)

Ion 100.00 (99.70 to 100.70): VN059225.D (-2567) (-)





#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 :

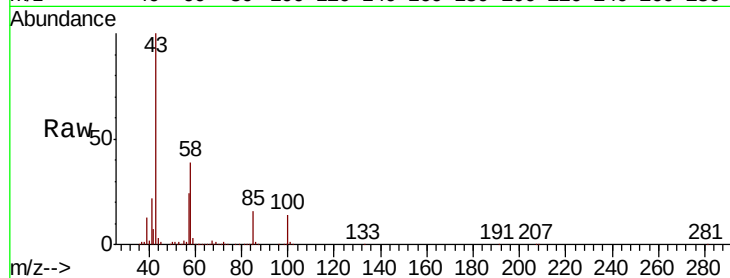
VN1114WBSD01

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

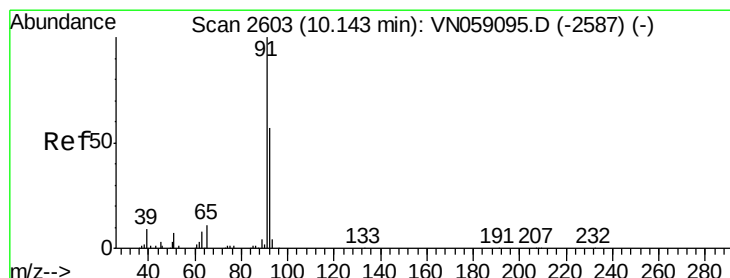
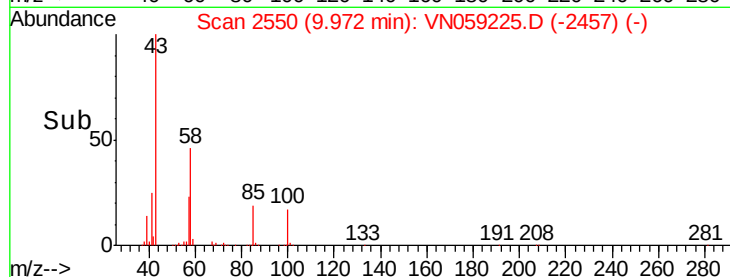
300000

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

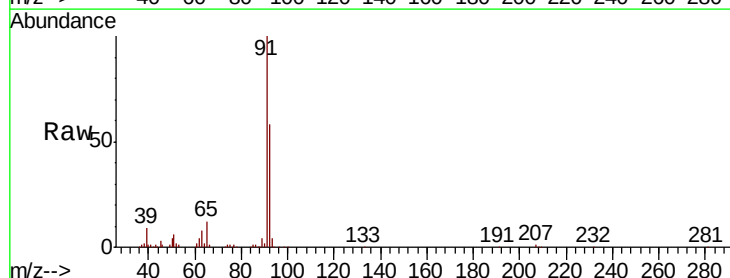
Acq: 14 Nov 2019 12:03

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

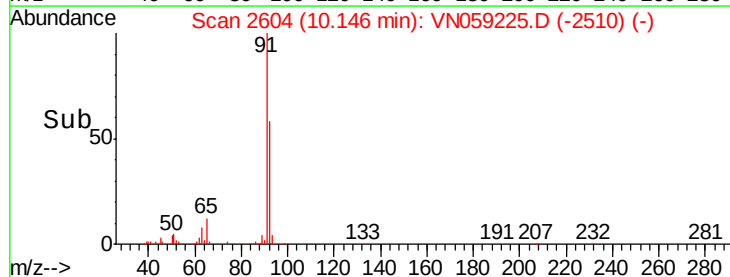
150000

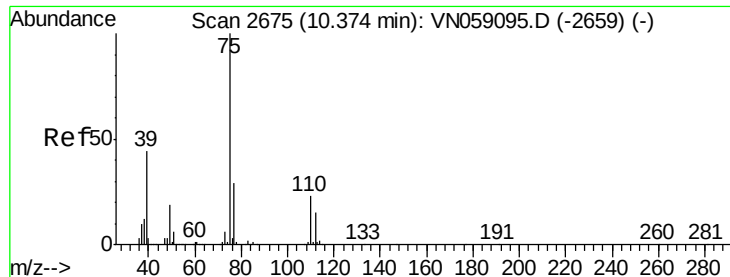
100000

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

ClientSampleId :

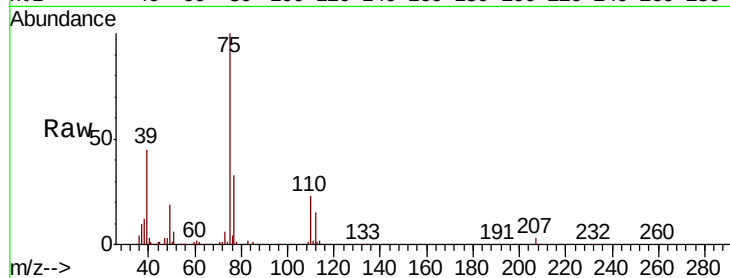
VN1114WBSD01

Tot Ion: 75 Resp: 141844

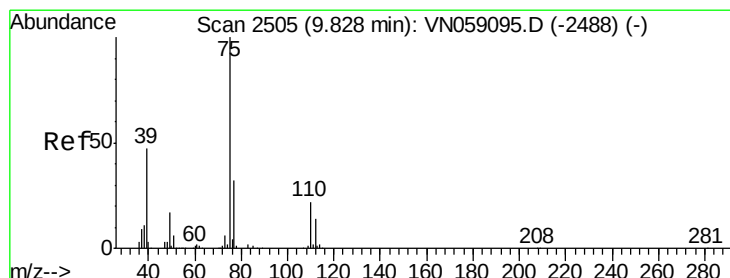
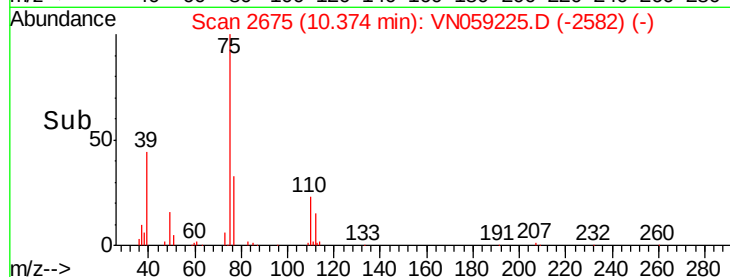
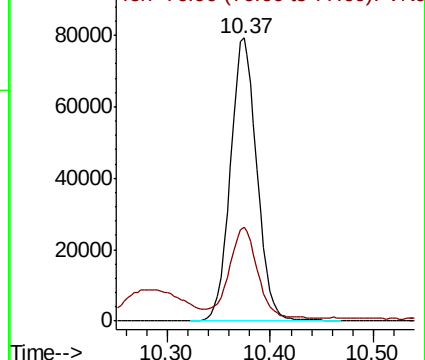
Ion Ratio Lower Upper

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

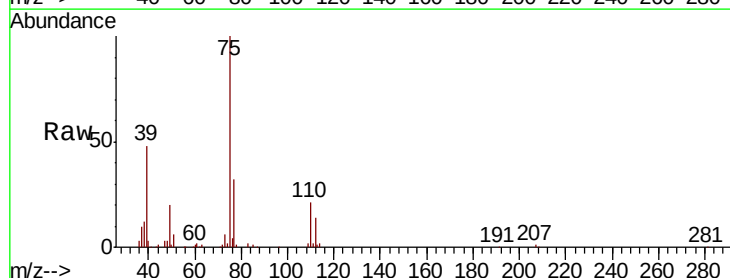
Tgt Ion: 75 Resp: 152410

Ion Ratio Lower Upper

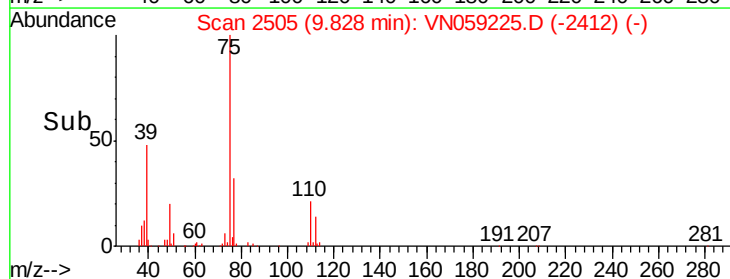
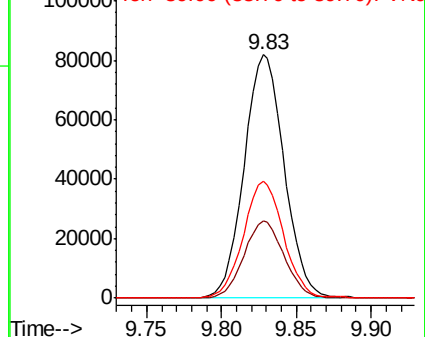
75 100

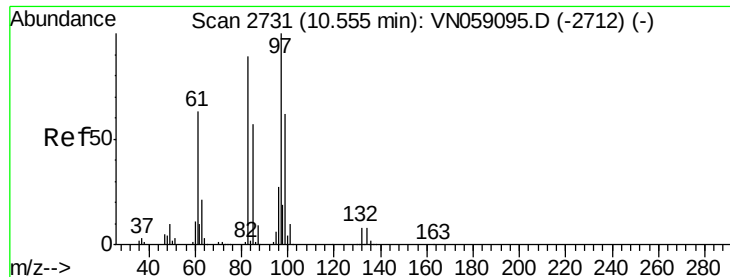
77 31.9 25.5 38.3

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 :

VN1114WBSD01

Tot Ion: 97 Resp: 91703

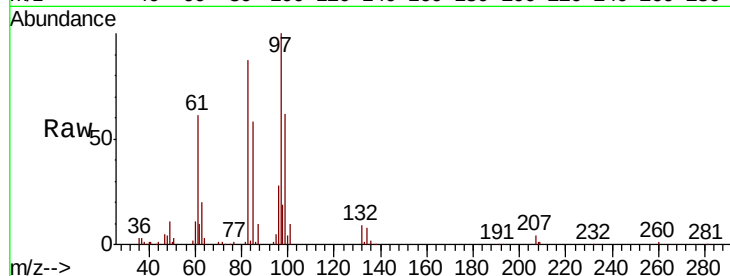
Ion Ratio Lower Upper

97 100

83 86.9 71.0 106.4

85 58.1 45.8 68.8

99 62.5 49.4 74.0

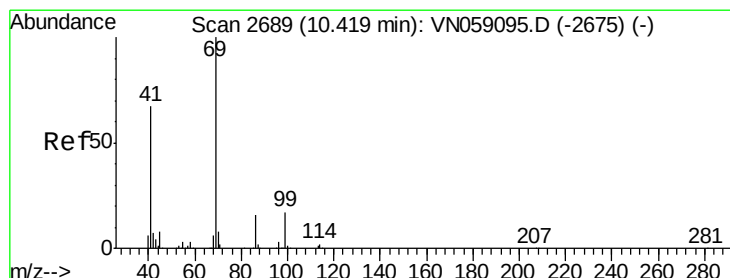
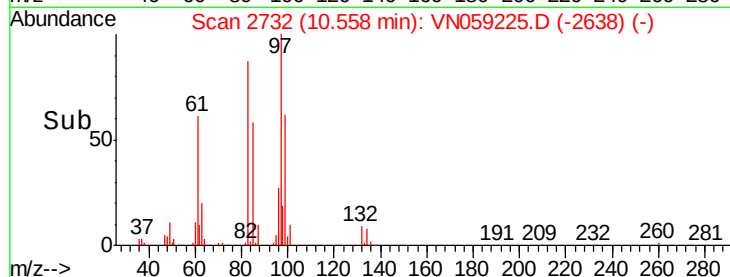
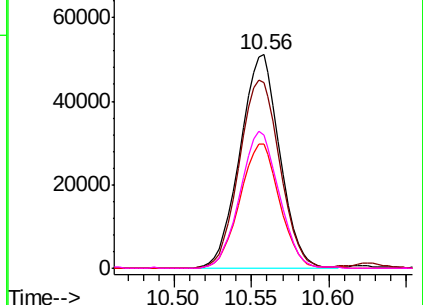


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 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

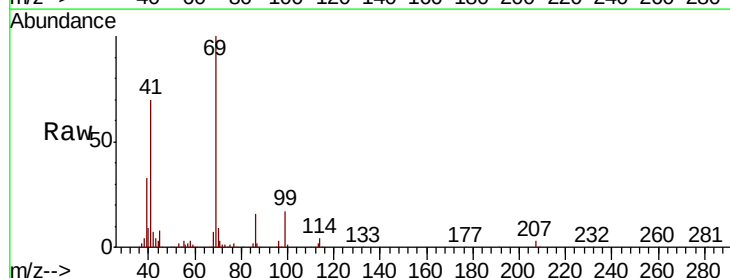
Tgt Ion: 69 Resp: 135752

Ion Ratio Lower Upper

69 100

41 67.7 53.6 80.4

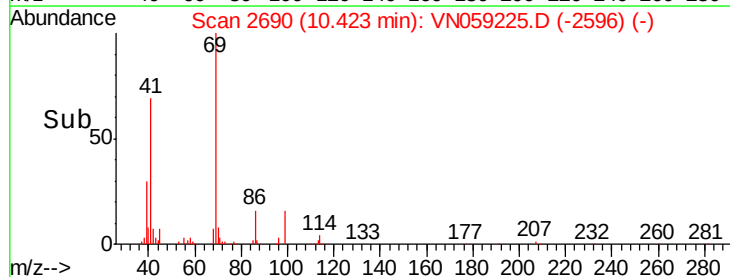
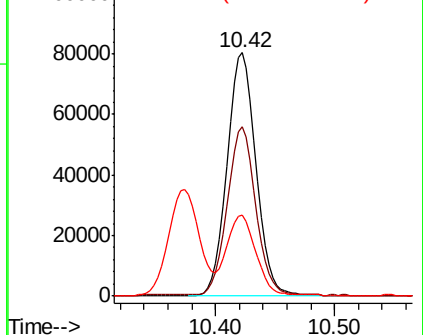
39 32.7 26.2 39.4

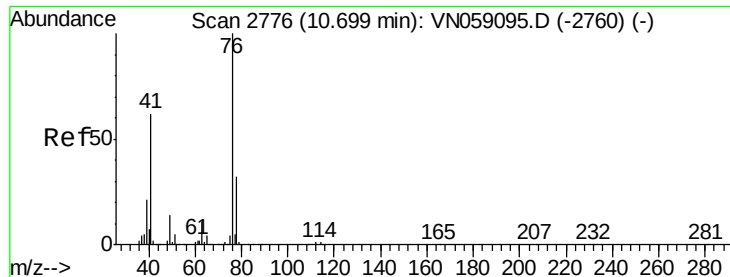


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#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

ClientSampleId :

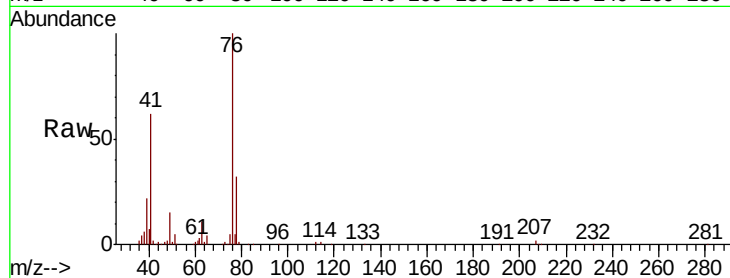
VN1114WBSD01

Tot Ion: 76 Resp: 157355

Ion Ratio Lower Upper

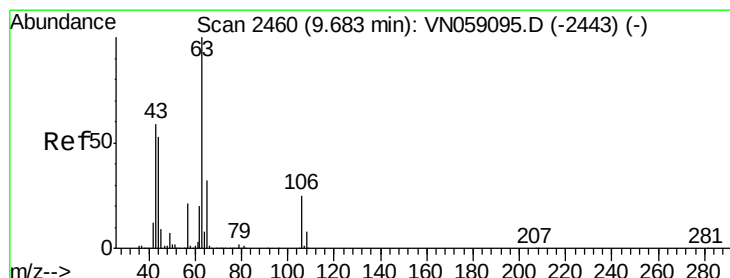
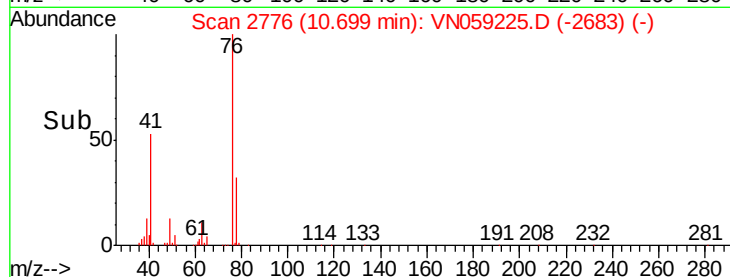
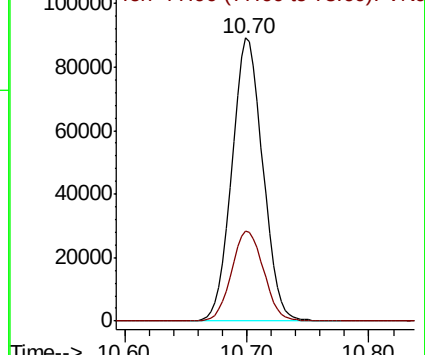
76 100

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



#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

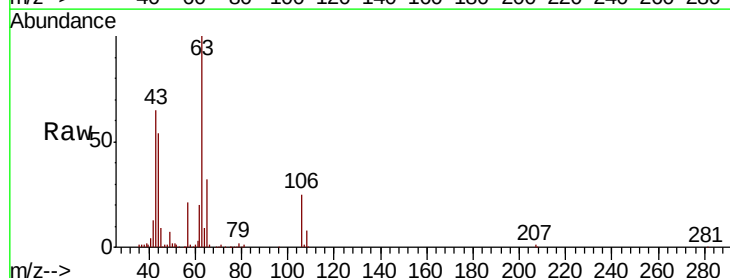
Acq: 14 Nov 2019 12:03

Tgt Ion: 63 Resp: 262534

Ion Ratio Lower Upper

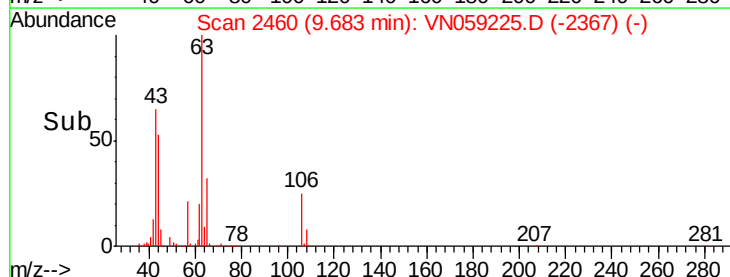
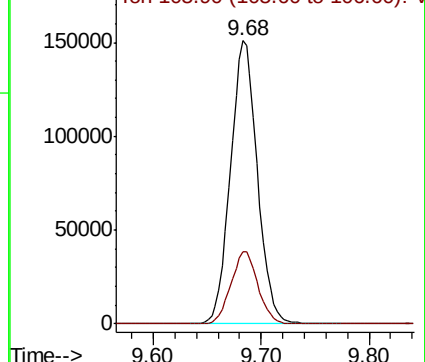
63 100

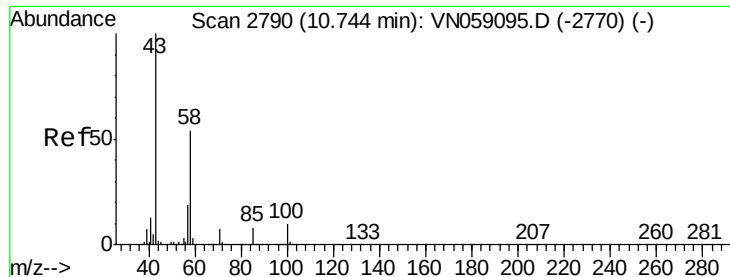
106 25.6 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

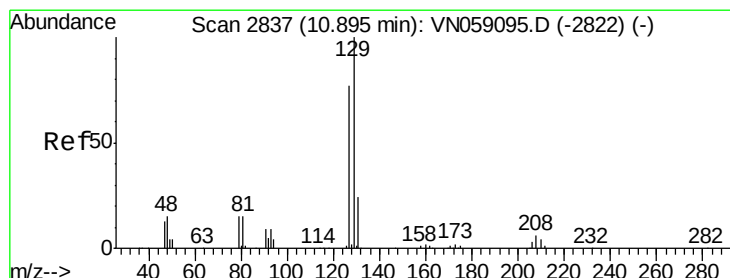
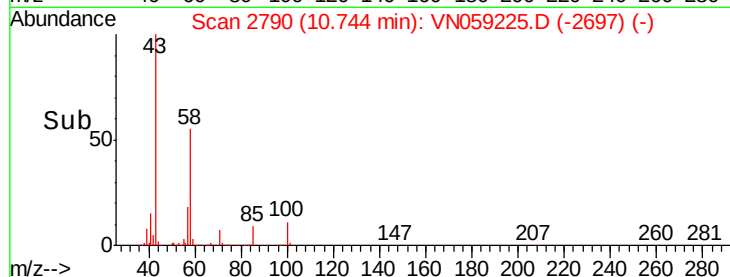
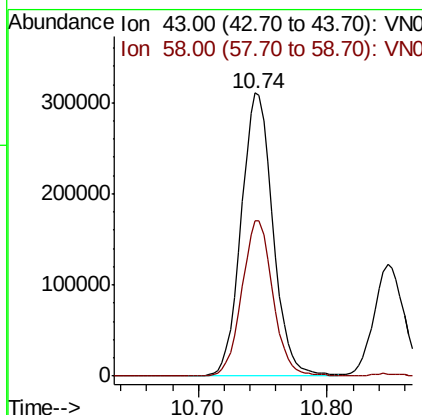
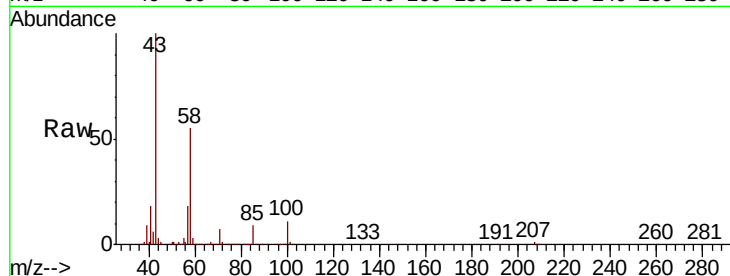




#59
2-Hexanone
Concen: 120.332 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

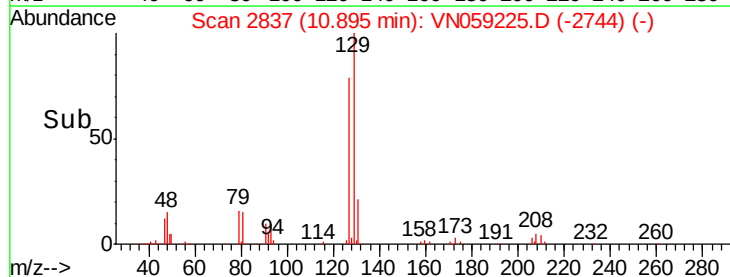
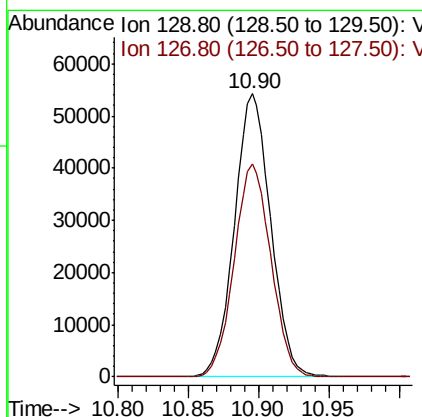
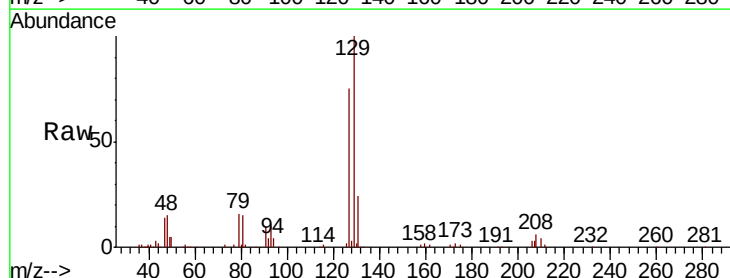
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

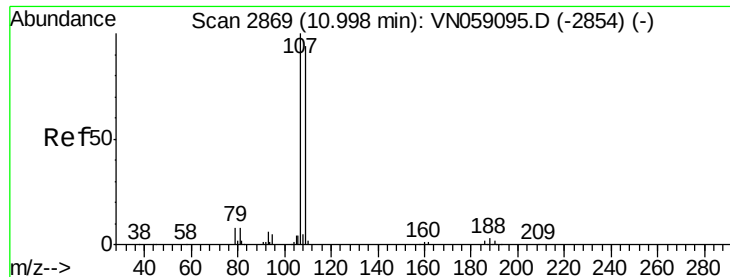
Tot Ion: 43 Resp: 530215
Ion Ratio Lower Upper
43 100
58 53.9 27.3 81.8



#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

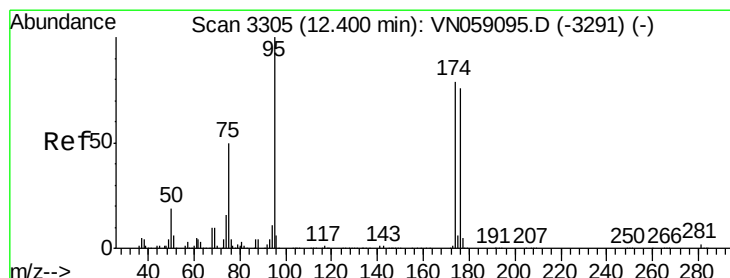
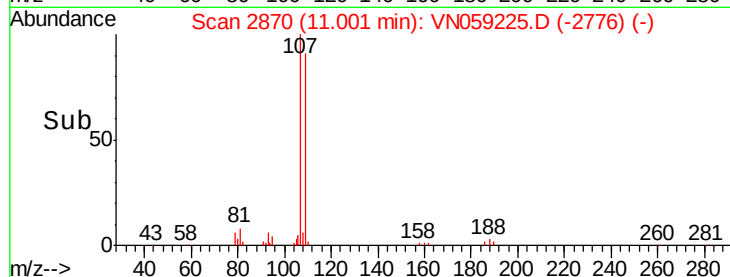
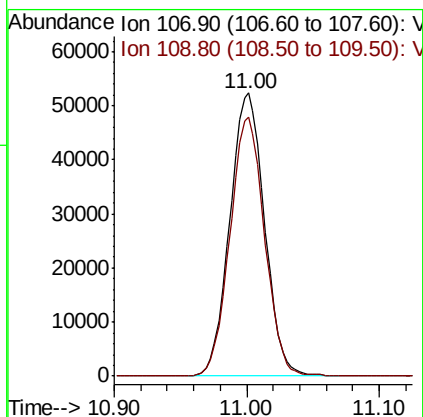
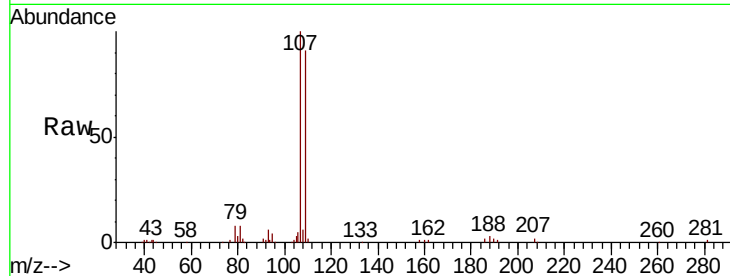




#61
 1,2-Dibromoethane
 Concen: 22.461 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

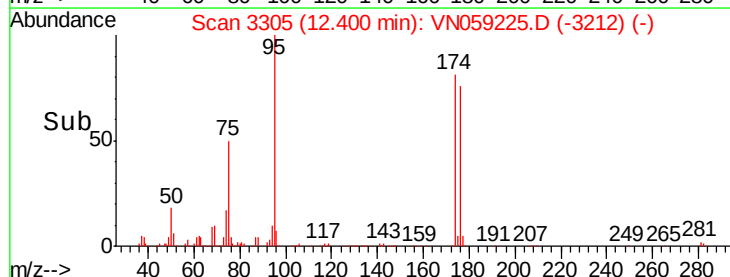
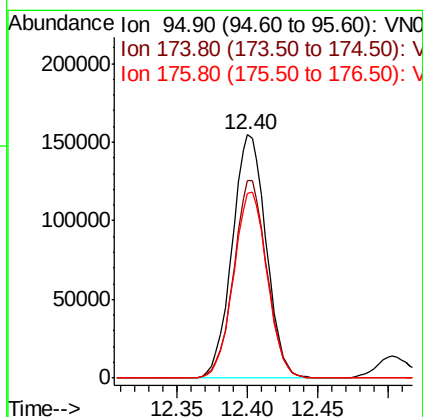
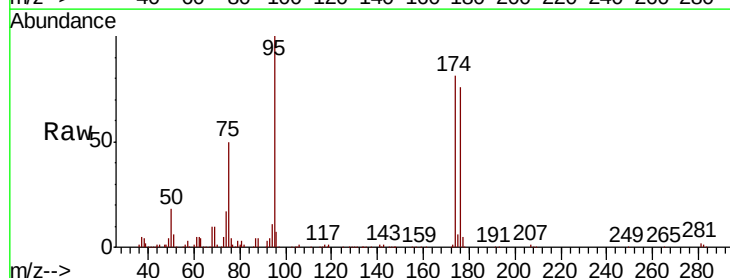
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

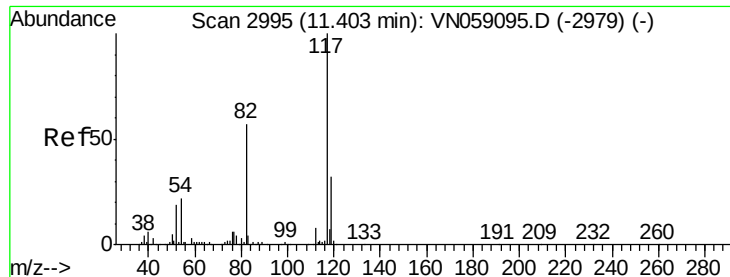
Tot Ion: 107 Resp: 95013
 Ion Ratio Lower Upper
 107 100
 109 91.4 75.5 113.3



#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

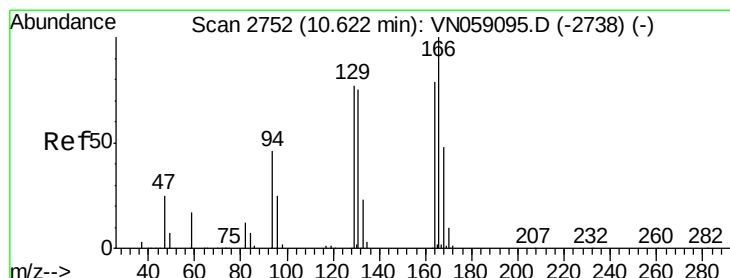
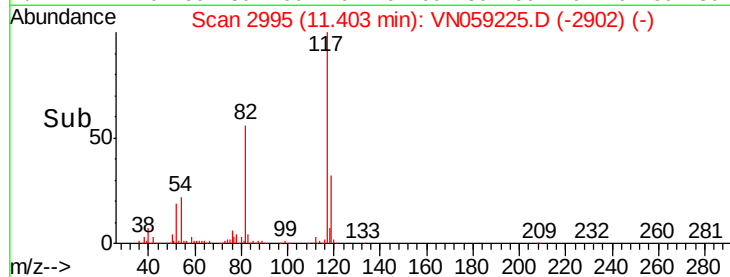
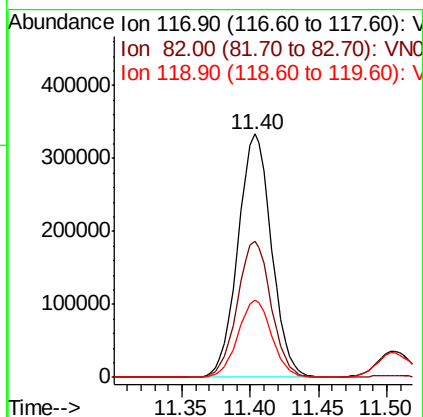
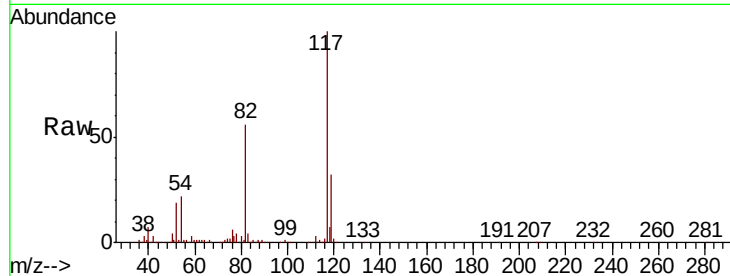




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

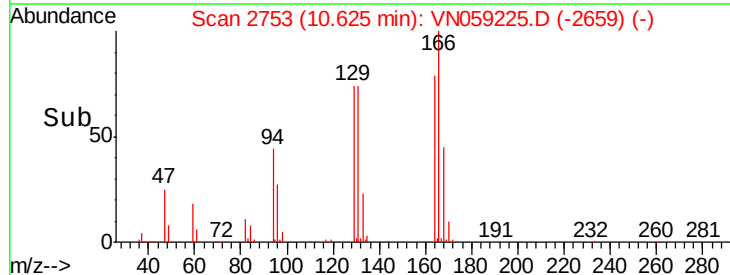
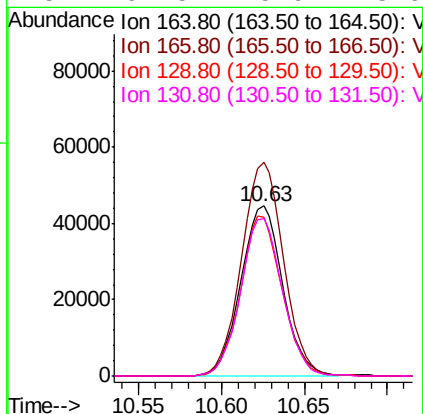
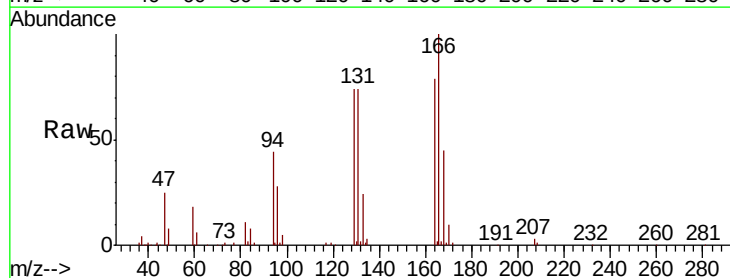
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

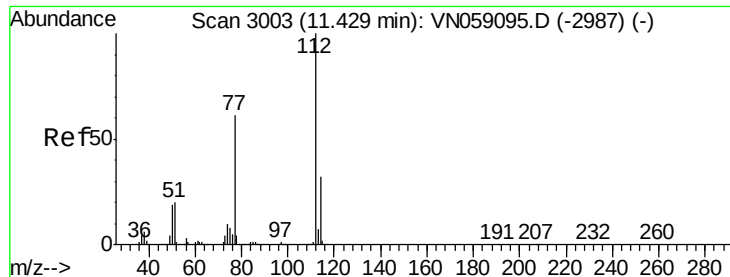
Tot Ion:117 Resp: 569152
Ion Ratio Lower Upper
117 100
82 56.1 45.8 68.8
119 31.8 25.8 38.6



#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





#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 :

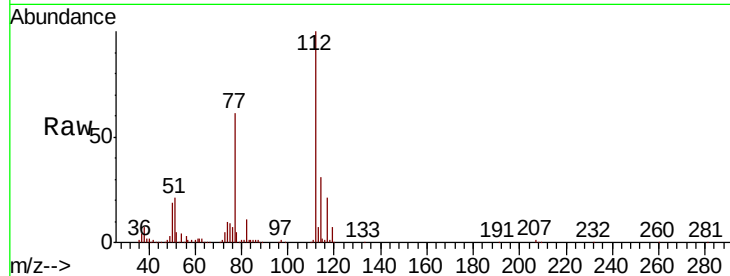
VN1114WBSD01

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

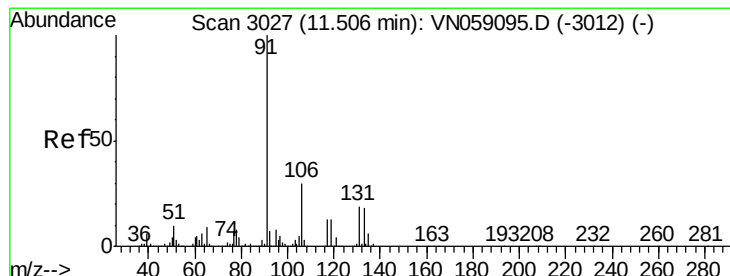
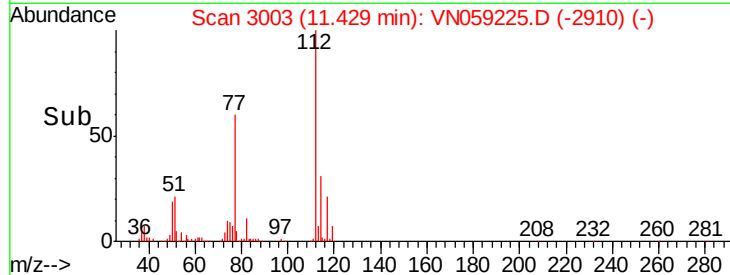
150000

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

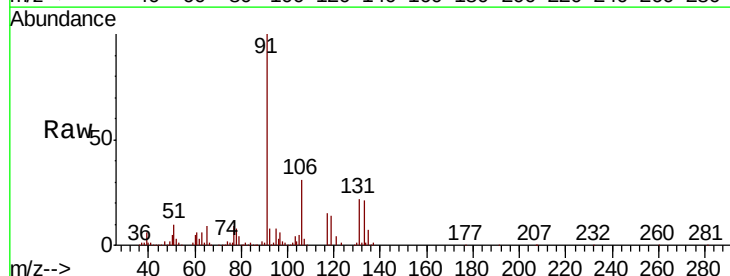
Tgt Ion:131 Resp: 91544

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

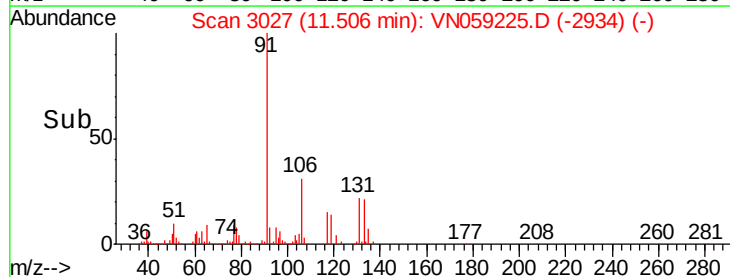
60000

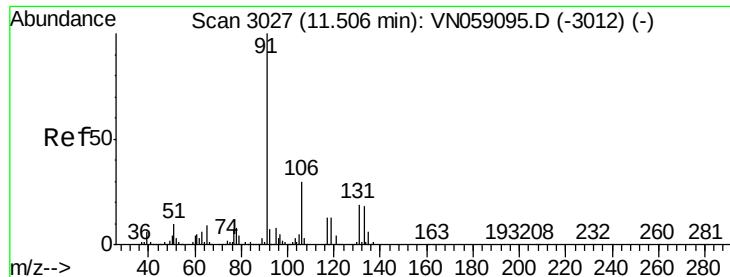
40000

20000

0

Time-->

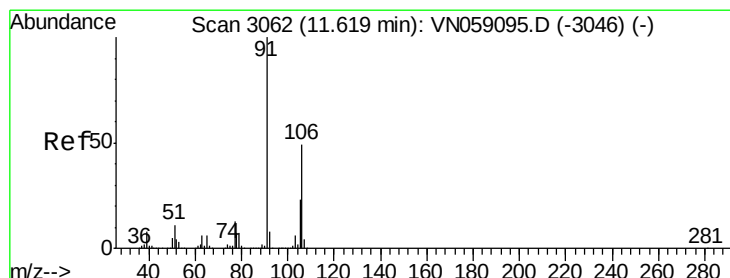
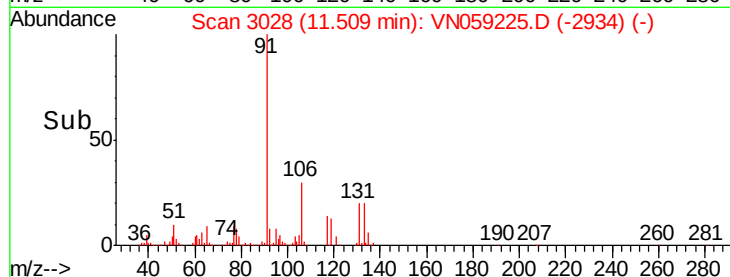
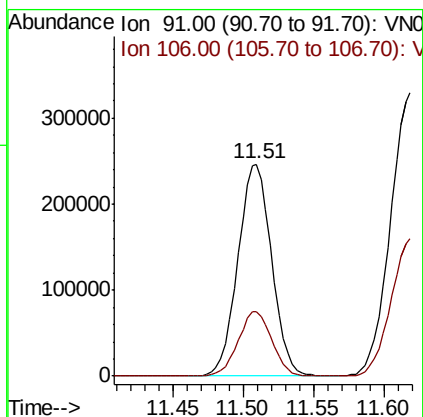
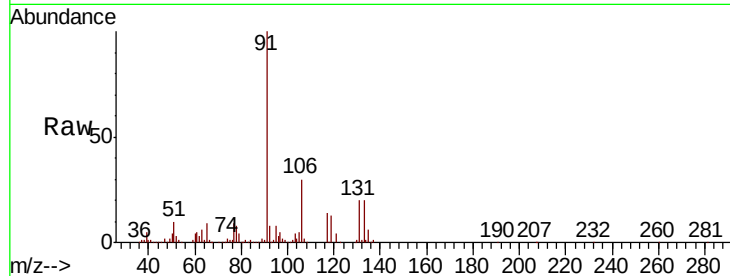




#67
Ethyl Benzene
Concen: 20.994 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

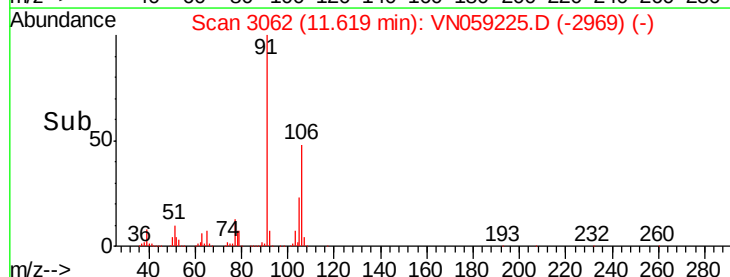
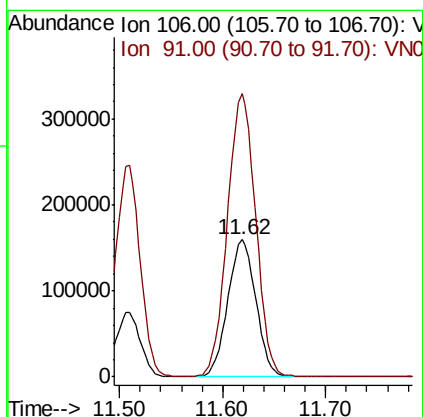
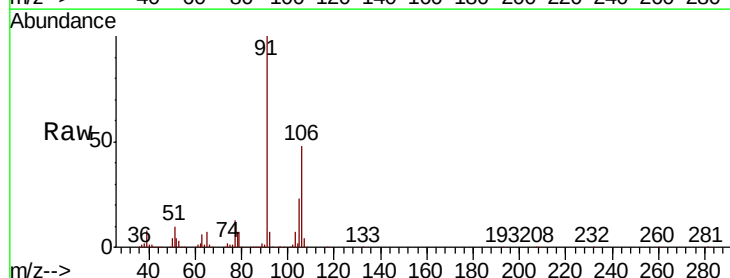
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

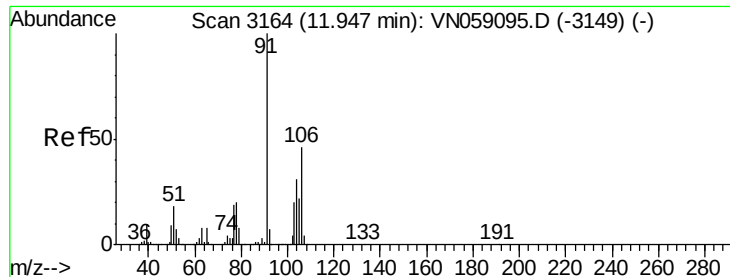
Tot Ion: 91 Resp: 413259
Ion Ratio Lower Upper
91 100
106 30.5 24.1 36.1



#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





#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 :

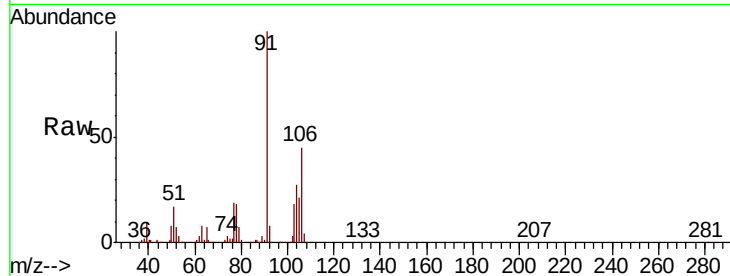
VN1114WBSD01

Tot Ion:106 Resp: 144749

Ion Ratio Lower Upper

106 100

91 221.9 110.1 330.3



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

200000

150000

100000

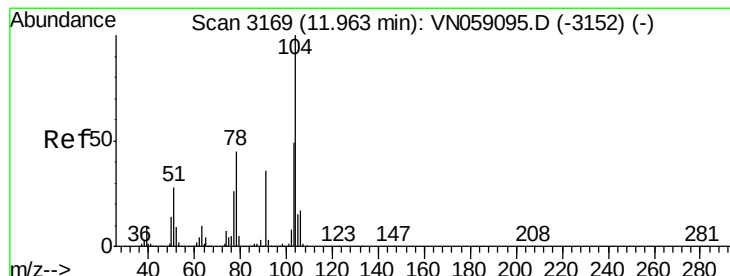
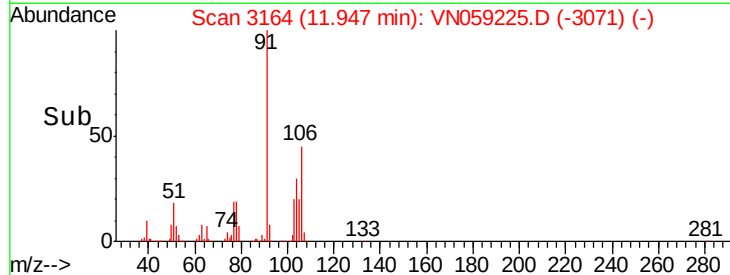
50000

0

11.95

11.90 11.95 12.00

Time-->



#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

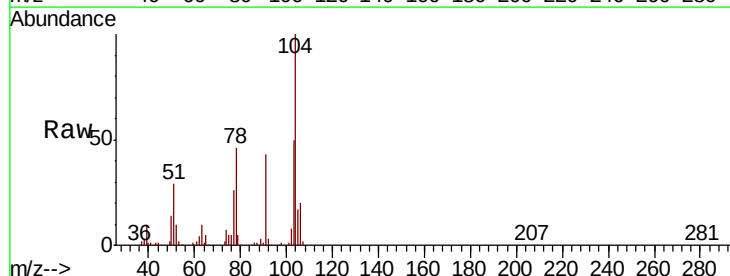
Tgt Ion:104 Resp: 235082

Ion Ratio Lower Upper

104 100

78 51.8 41.2 61.8

103 55.5 43.8 65.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

150000

100000

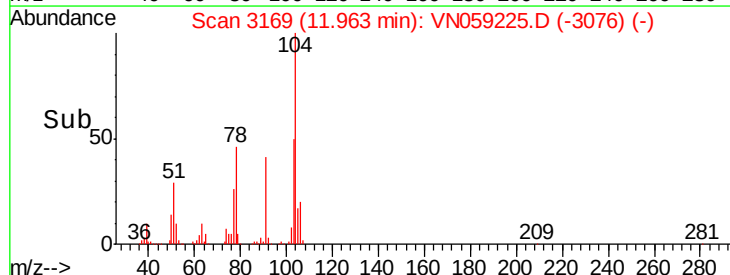
50000

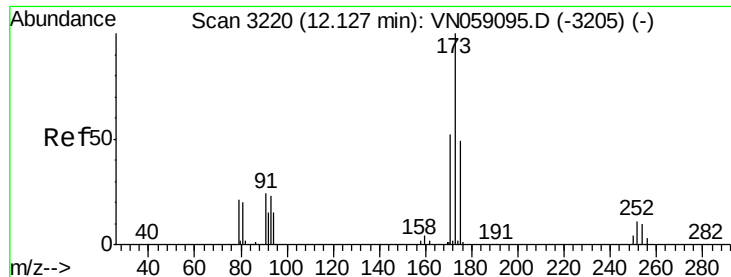
0

11.96

11.90 11.95 12.00

Time-->





#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

ClientSampleId :

VN1114WBSD01

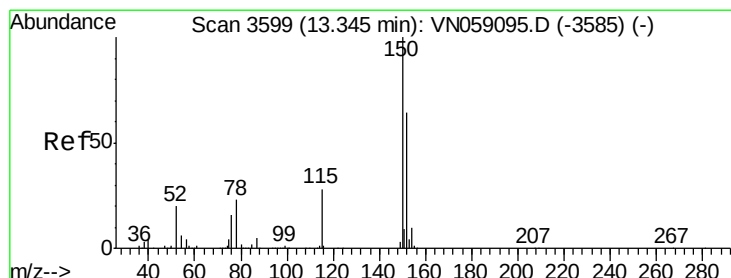
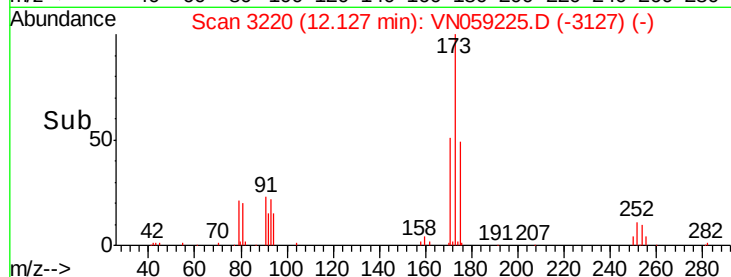
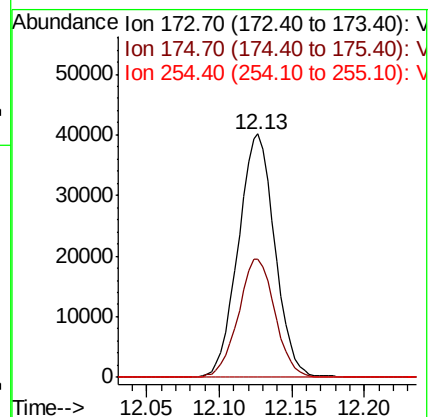
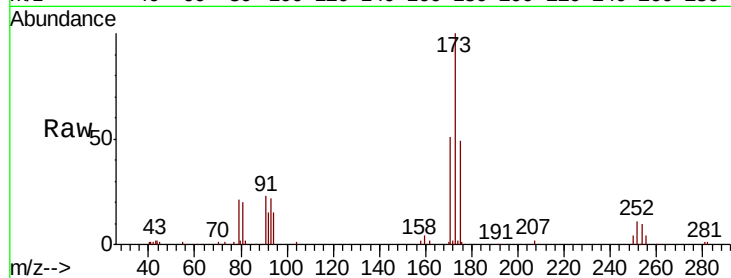
Tot Ion:173 Resp: 70122

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

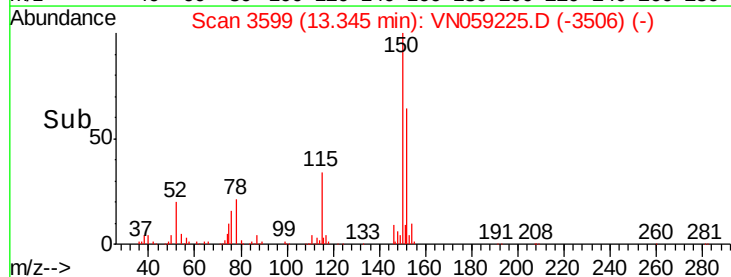
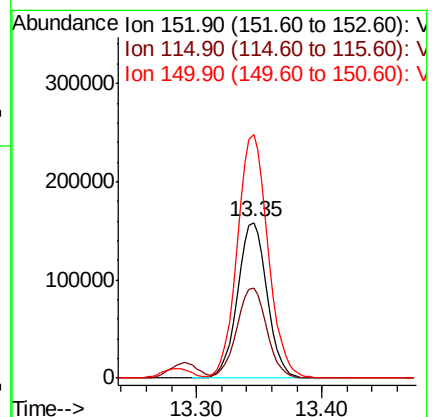
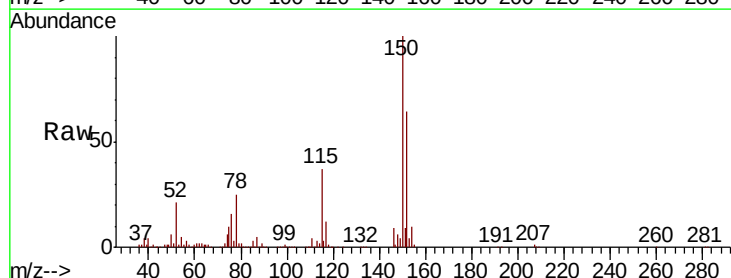
Tgt Ion:152 Resp: 258131

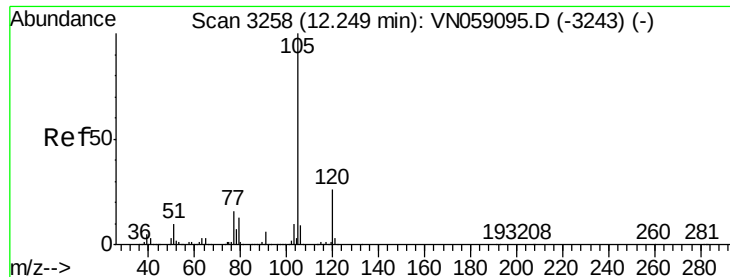
Ion Ratio Lower Upper

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

ClientSampleId :

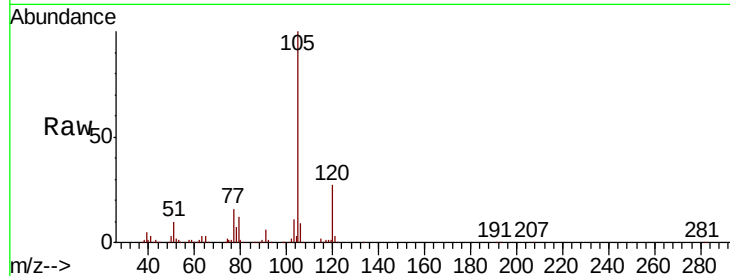
VN1114WBSD01

Tot Ion: 105 Resp: 396746

Ion Ratio Lower Upper

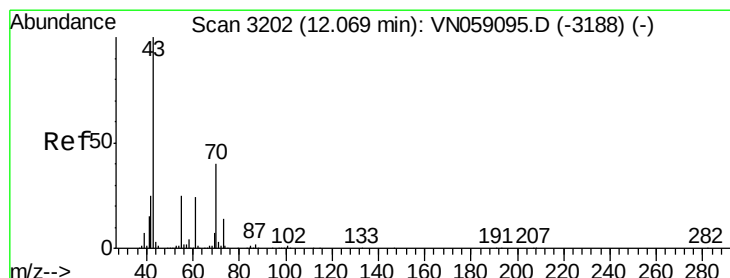
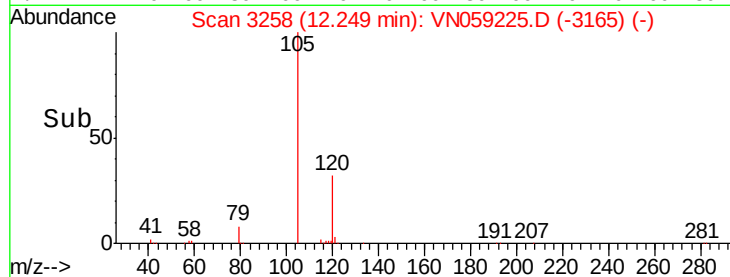
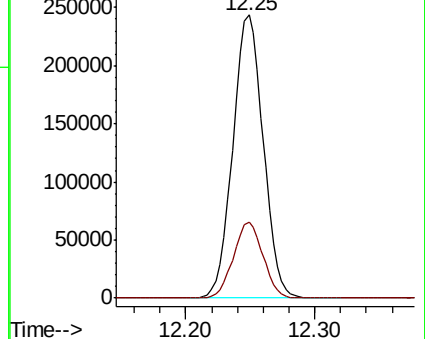
105 100

120 26.2 13.1 39.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#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

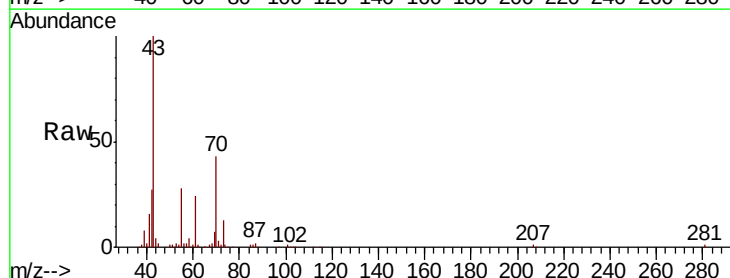
Ion Ratio Lower Upper

43 100

70 42.2 32.2 48.4

55 27.7 20.4 30.6

61 23.8 19.3 28.9

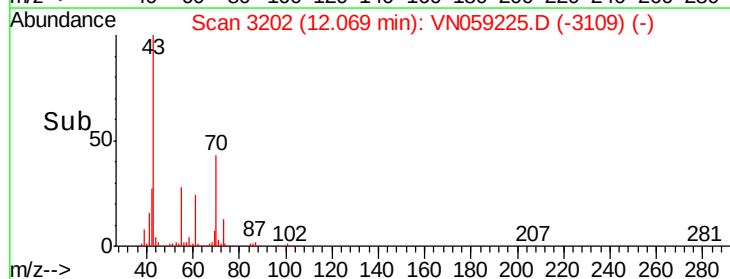
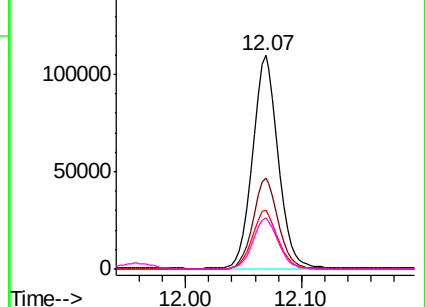


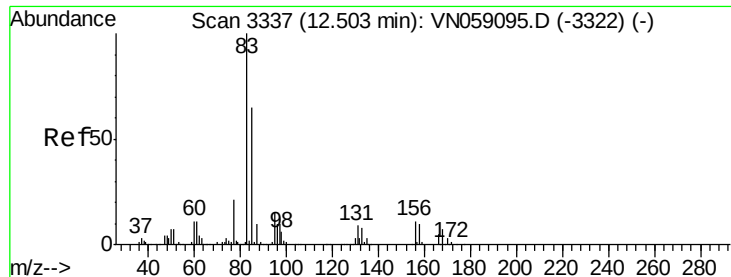
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#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

ClientSampleId :

VN1114WBSD01

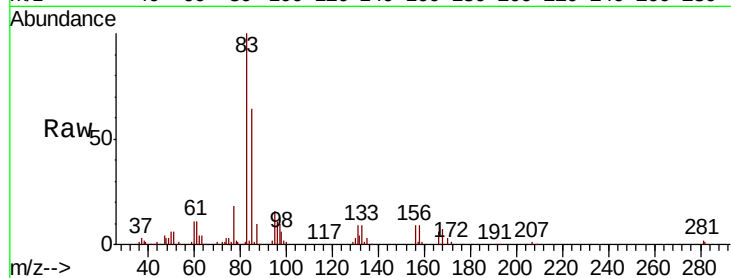
Tot Ion: 83 Resp: 144323

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

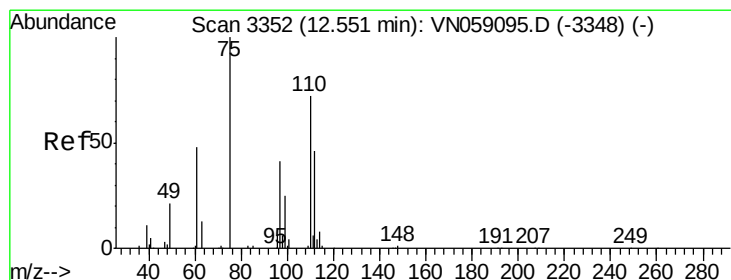
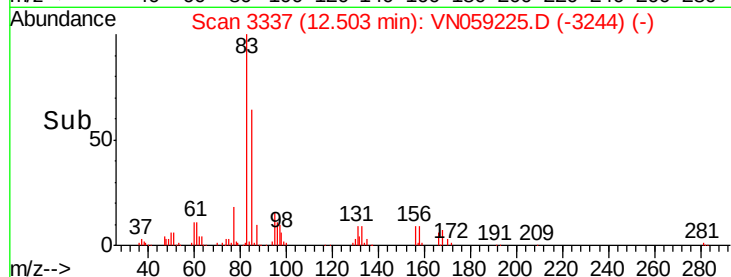
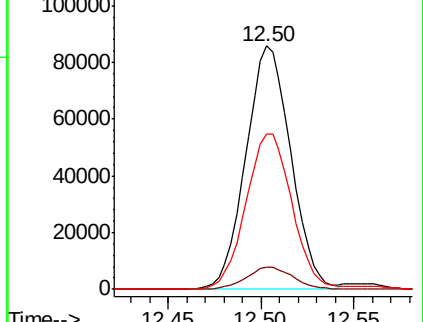
85 65.6 32.4 97.2



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) (-)



#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

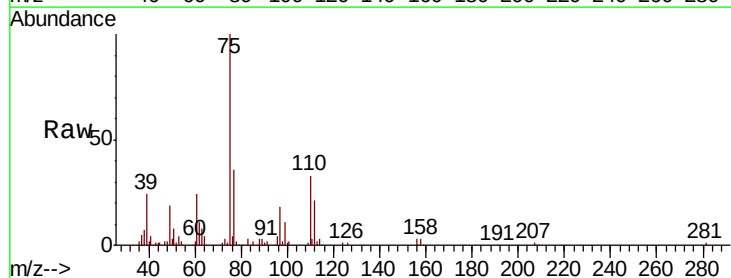
Acq: 14 Nov 2019 12:03

Tgt Ion: 75 Resp: 187620

Ion Ratio Lower Upper

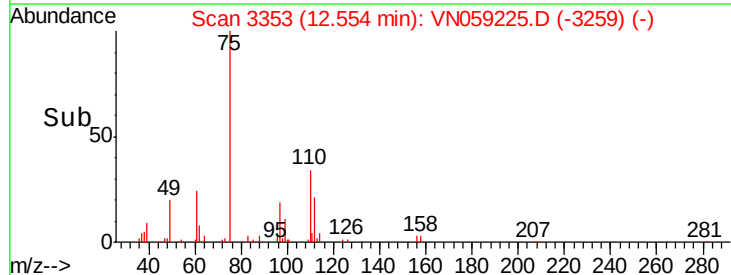
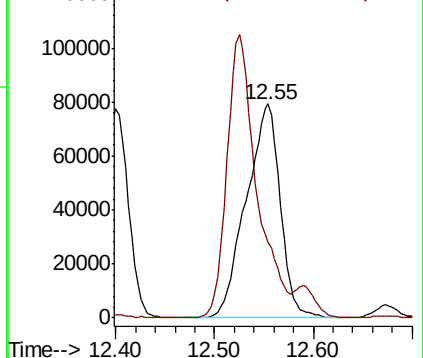
75 100

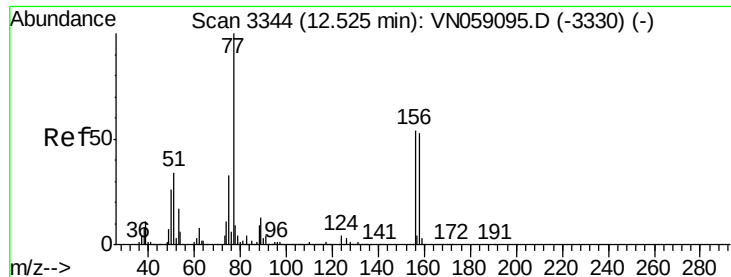
77 0.0 0.0 0.0



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

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





#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

ClientSampled :

VN1114WBSD01

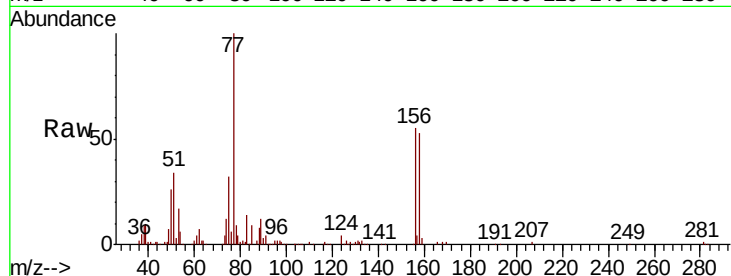
Tot Ion:156 Resp: 99216

Ion Ratio Lower Upper

156 100

77 224.5 112.8 338.3

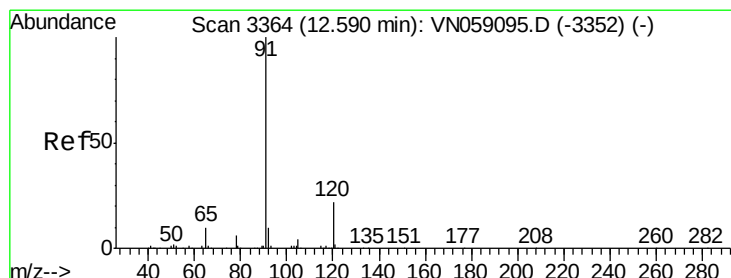
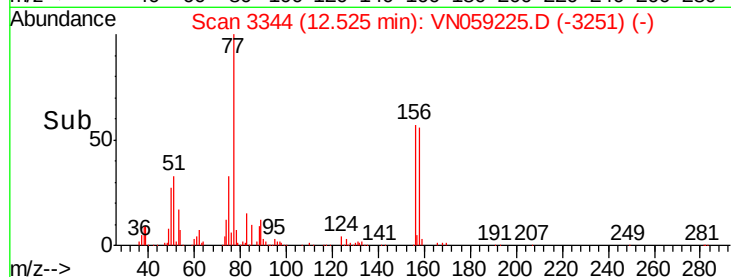
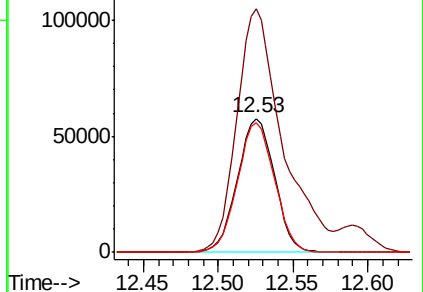
158 97.1 48.4 145.3



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

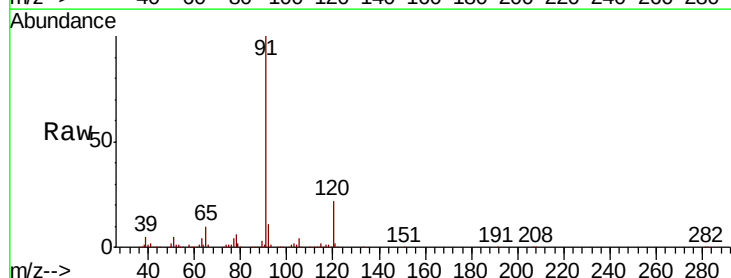
Acq: 14 Nov 2019 12:03

Tgt Ion: 91 Resp: 453503

Ion Ratio Lower Upper

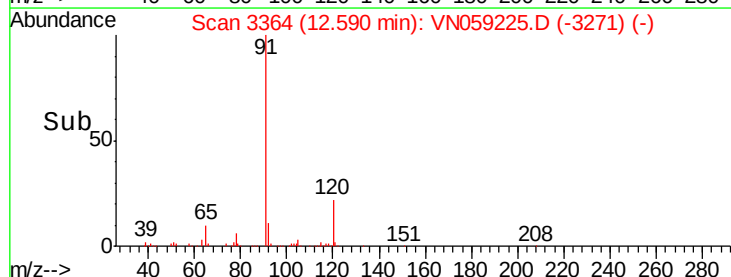
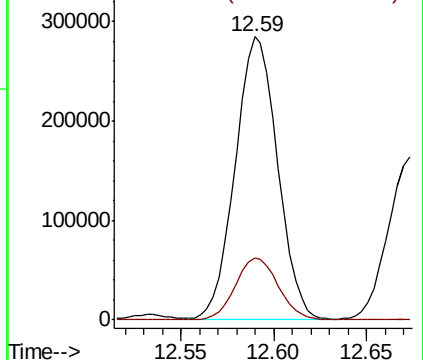
91 100

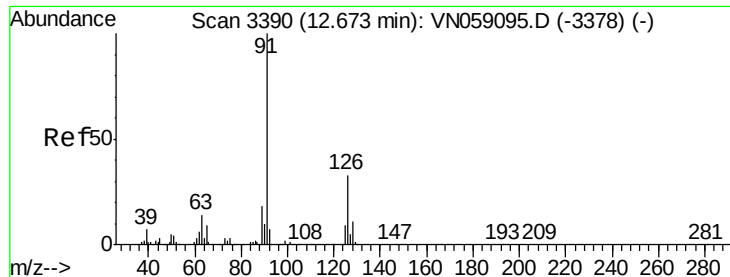
120 22.1 11.2 33.5



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 :

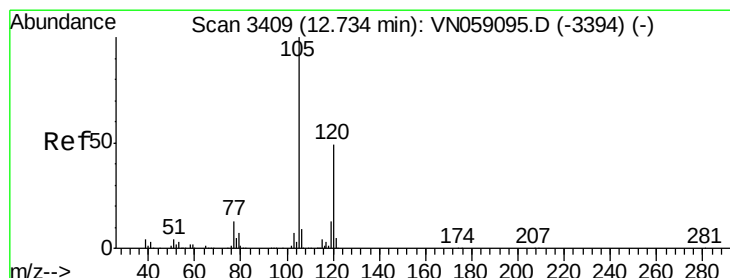
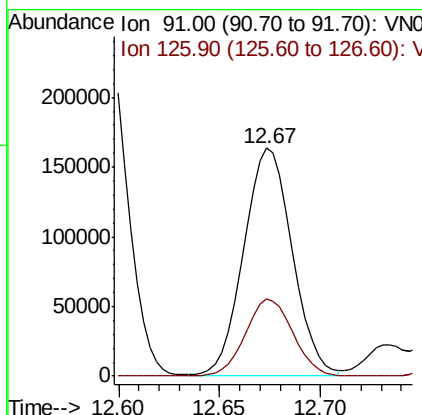
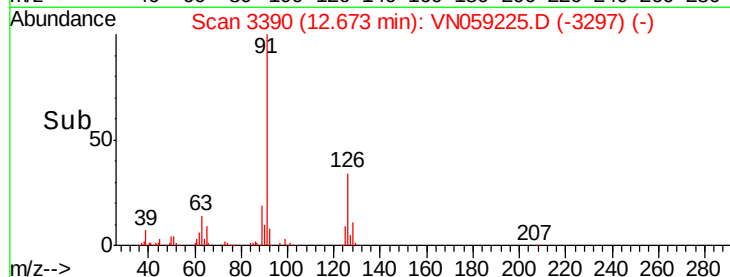
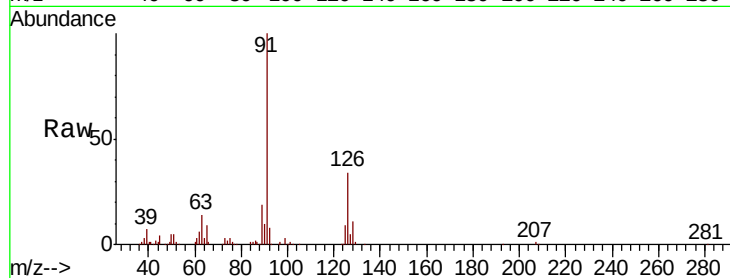
VN1114WBSD01

Tot Ion: 91 Resp: 276050

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.1



#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

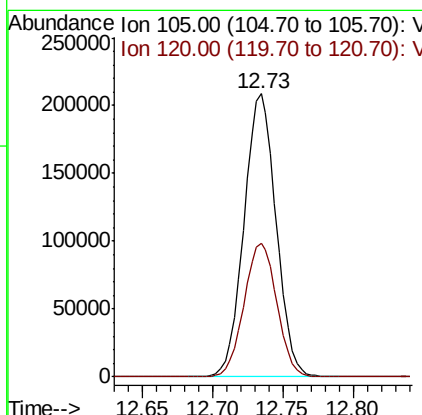
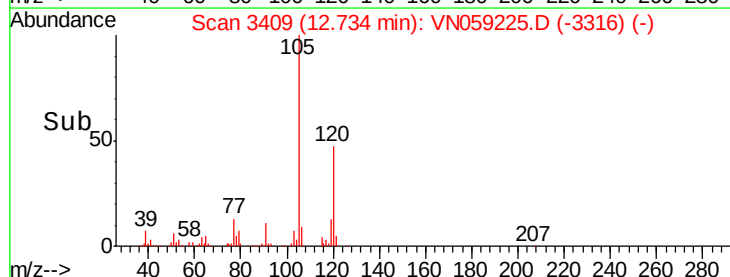
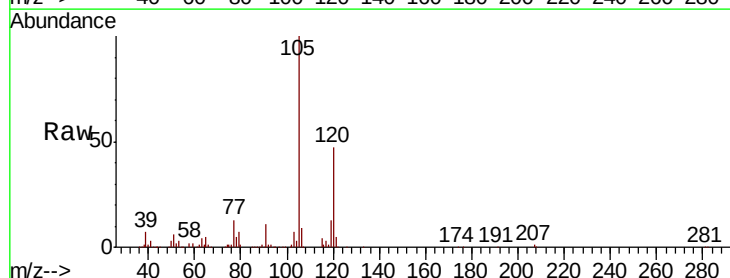
Acq: 14 Nov 2019 12:03

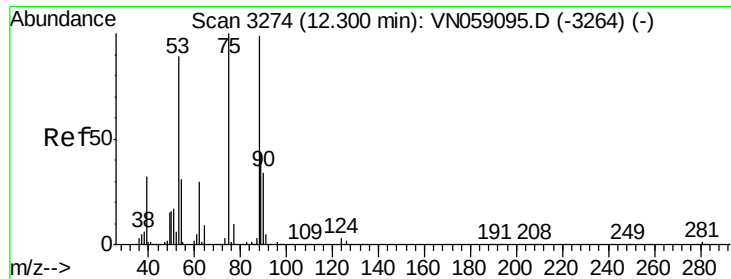
Tgt Ion: 105 Resp: 331895

Ion Ratio Lower Upper

105 100

120 48.4 24.0 72.0

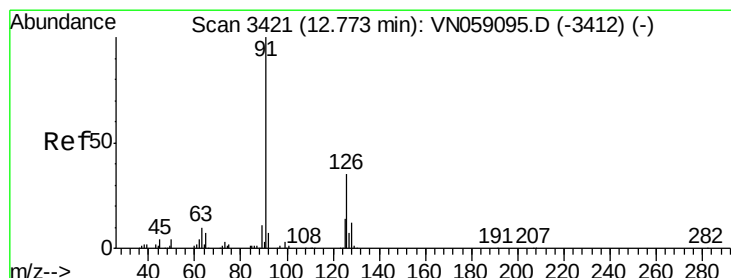
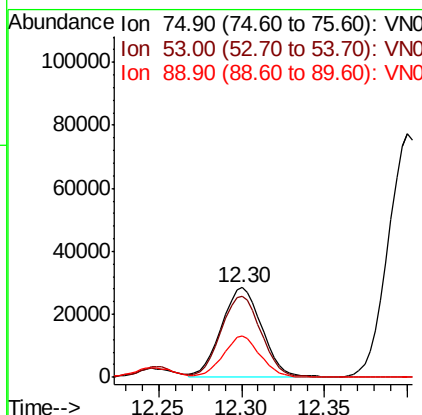
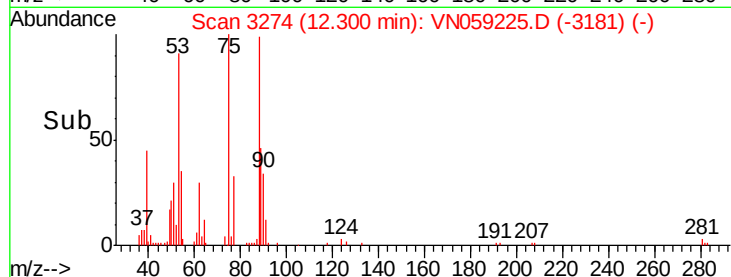
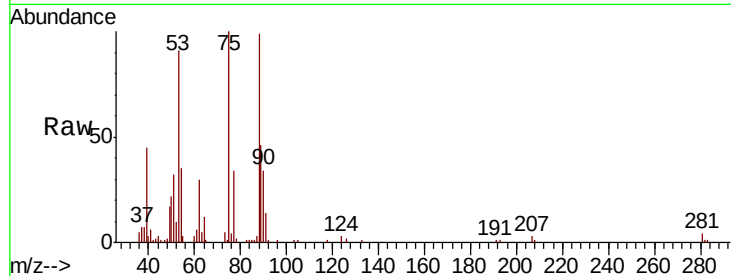




#81
trans-1,4-Dichloro-2-butene
Concen: 21.527 ug/l
RT: 12.30 min Scan# 3274
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

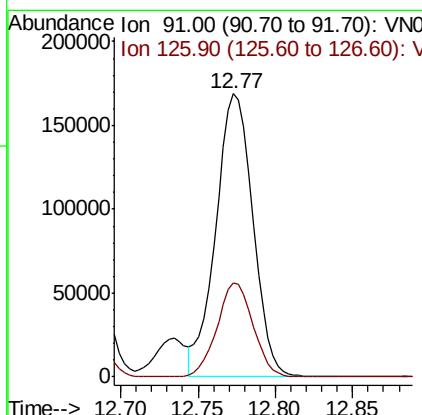
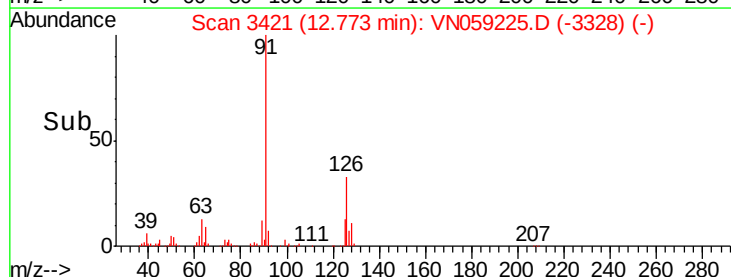
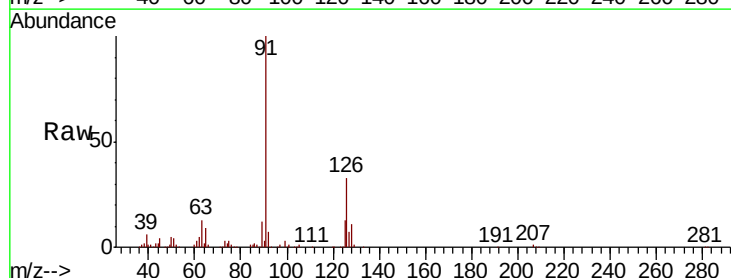
Instrument :
MSVOA_N
ClientSampleId :
VN1114WBSD01

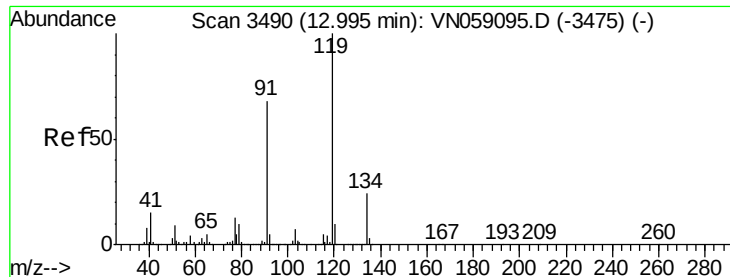
Tot Ion: 75 Resp: 47897
Ion Ratio Lower Upper
75 100
53 91.9 72.2 108.2
89 42.6 35.8 53.8



#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





#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

ClientSampleId :

VN1114WBSD01

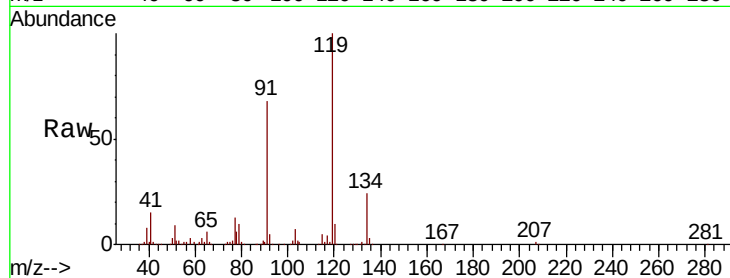
Tot Ion:119 Resp: 282848

Ion Ratio Lower Upper

119 100

91 65.9 33.2 99.6

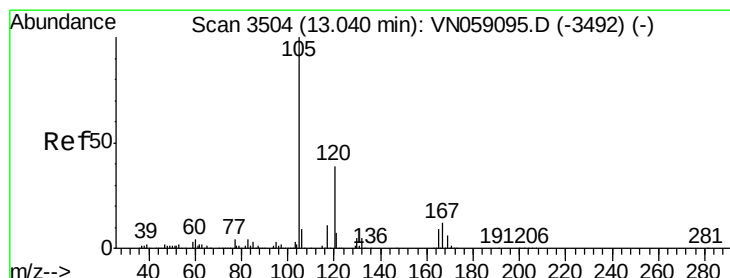
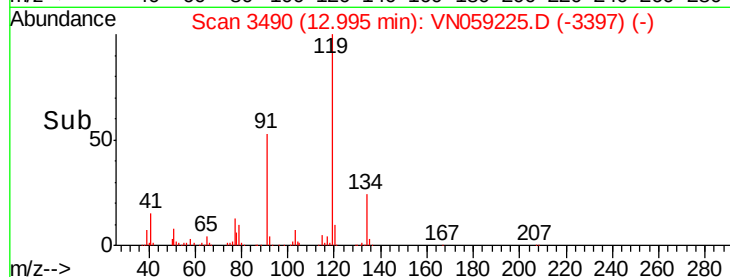
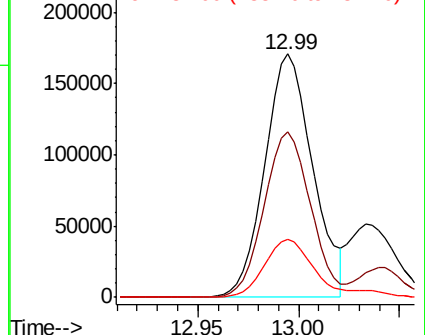
134 24.0 12.7 38.1



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#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

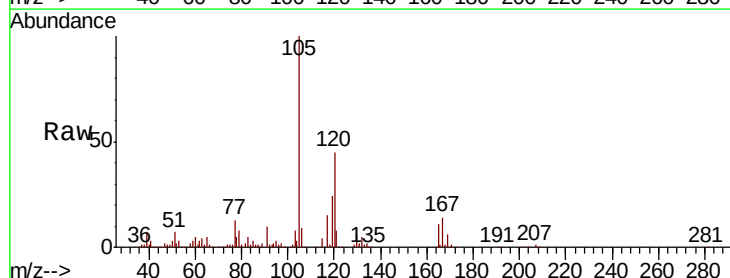
Acq: 14 Nov 2019 12:03

Tgt Ion:105 Resp: 320723

Ion Ratio Lower Upper

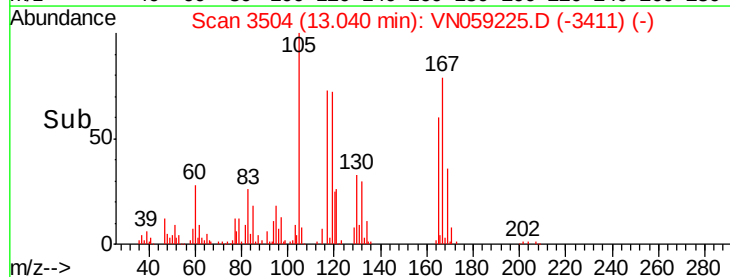
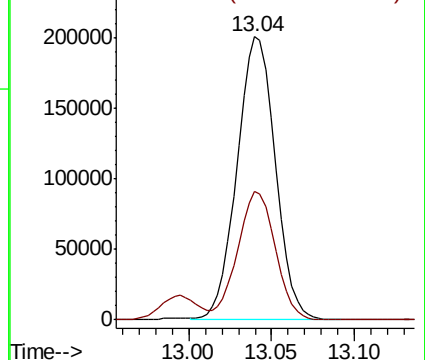
105 100

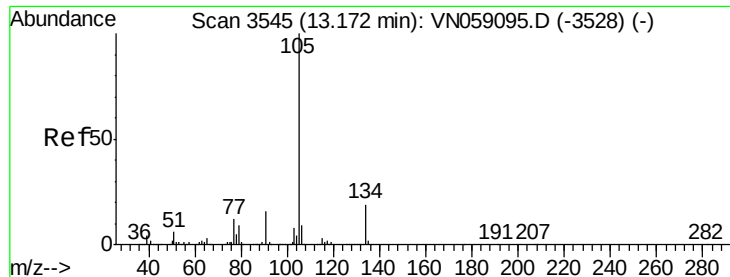
120 44.9 22.8 68.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#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

ClientSampleId :

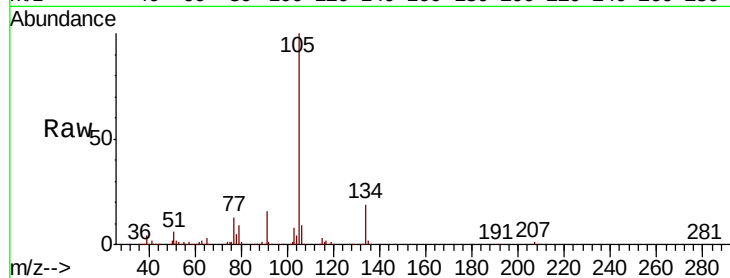
VN1114WBSD01

Tot Ion:105 Resp: 373882

Ion Ratio Lower Upper

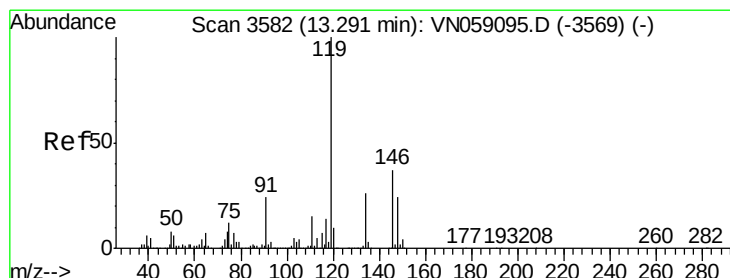
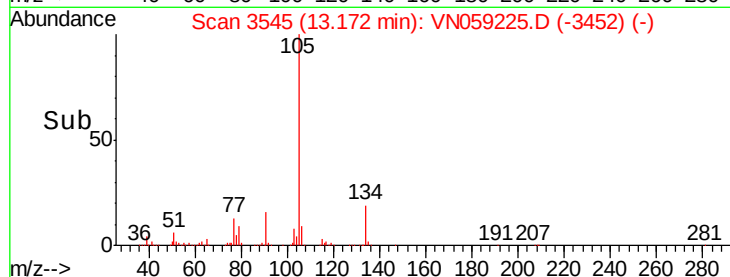
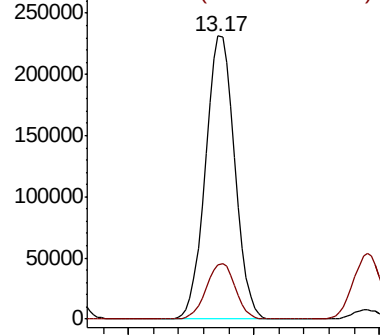
105 100

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

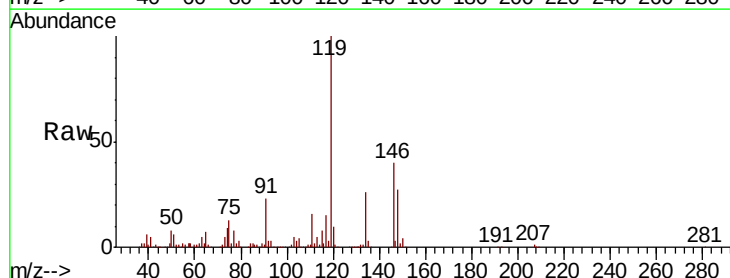
Tgt Ion:119 Resp: 325211

Ion Ratio Lower Upper

119 100

134 26.2 13.0 38.9

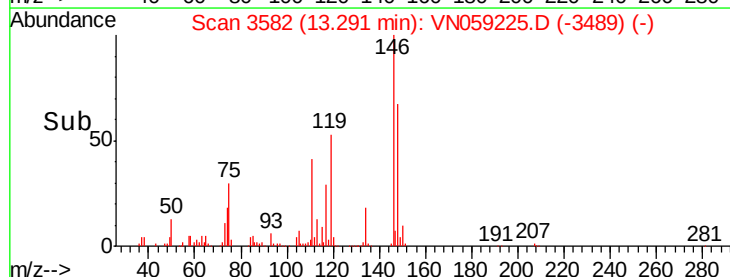
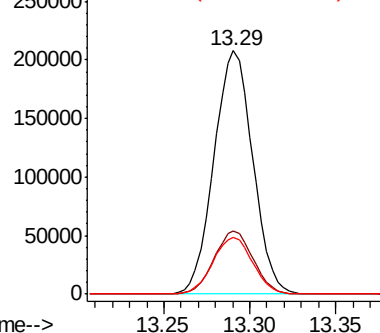
91 23.8 11.7 35.1

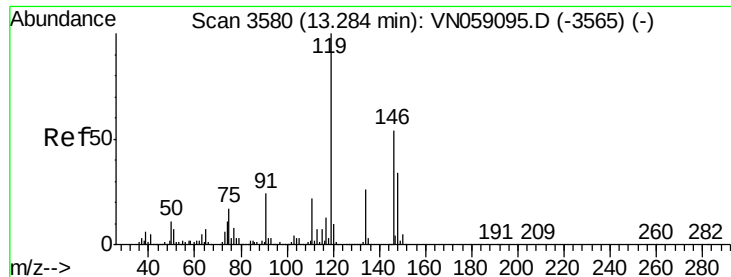


Abundance Ion 119.00 (118.70 to 119.70): V

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

ClientSampleId :

VN1114WBSD01

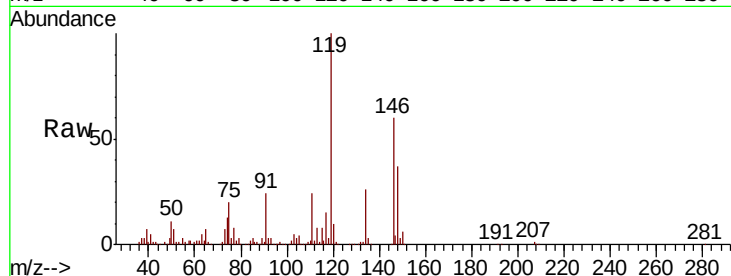
Tot Ion:146 Resp: 168200

Ion Ratio Lower Upper

146 100

111 40.4 20.4 61.3

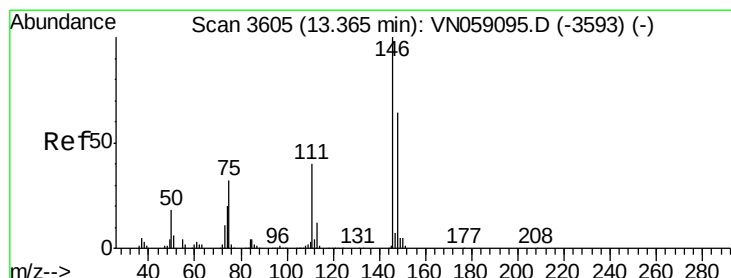
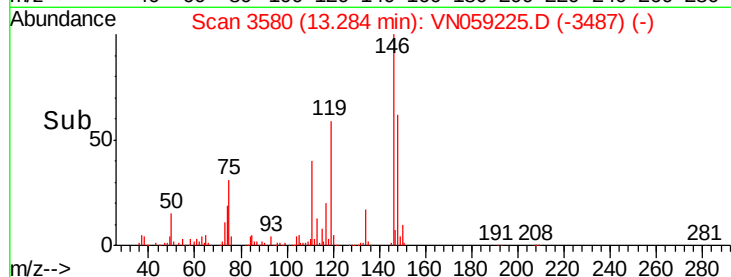
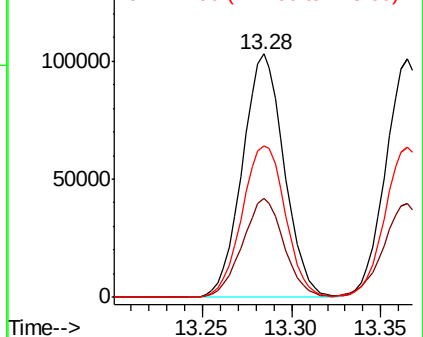
148 64.6 32.2 96.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 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

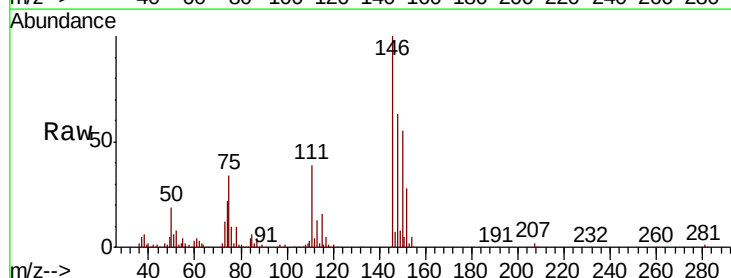
Tgt Ion:146 Resp: 164754

Ion Ratio Lower Upper

146 100

111 41.3 20.3 60.9

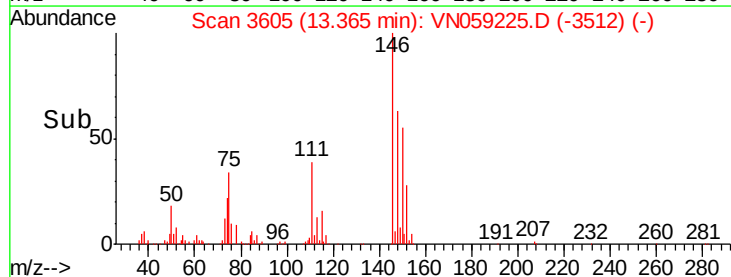
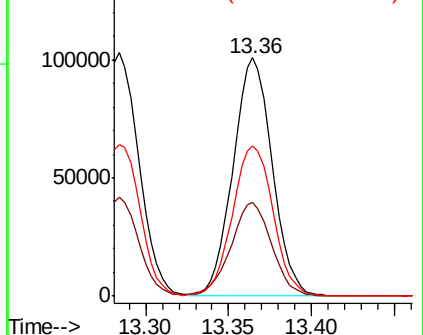
148 65.6 31.9 95.7

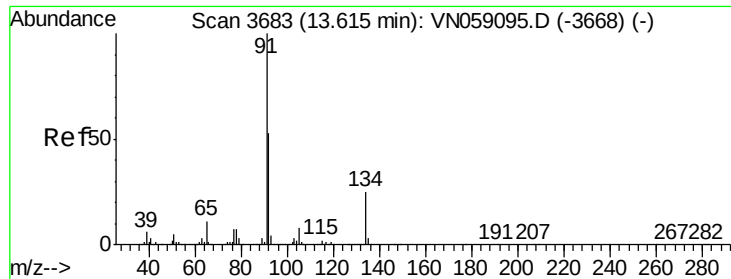


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

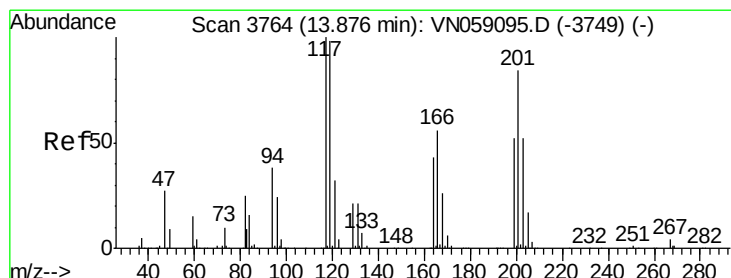
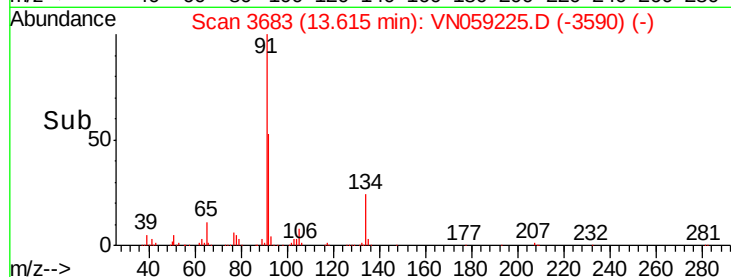
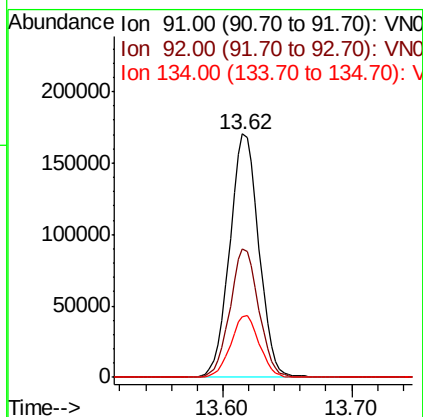
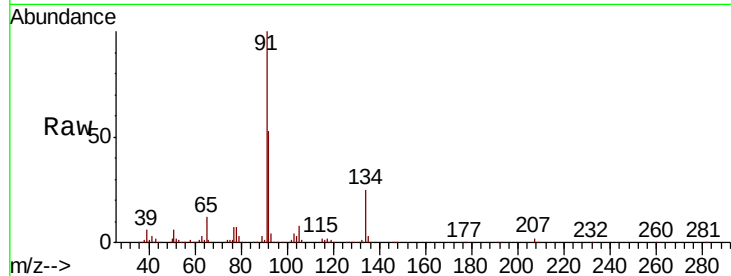




#89
n-Butylbenzene
Concen: 19.291 ug/l
RT: 13.62 min Scan# 3683
Delta R.T. -0.00 min
Lab File: VN059225.D
Acq: 14 Nov 2019 12:03

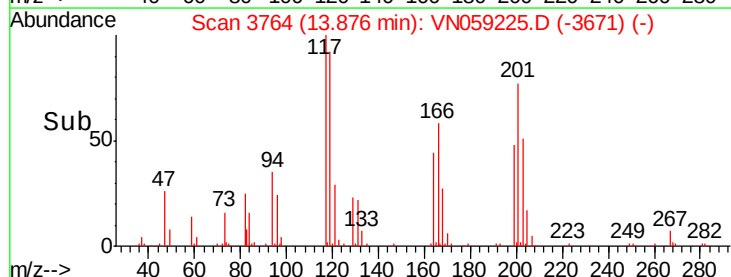
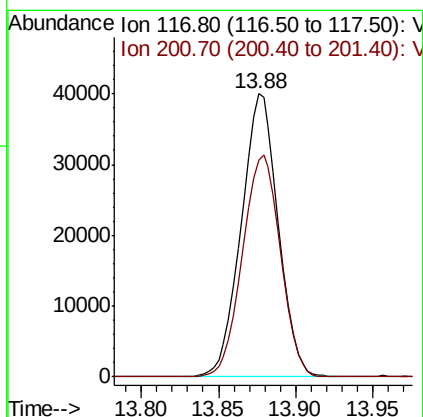
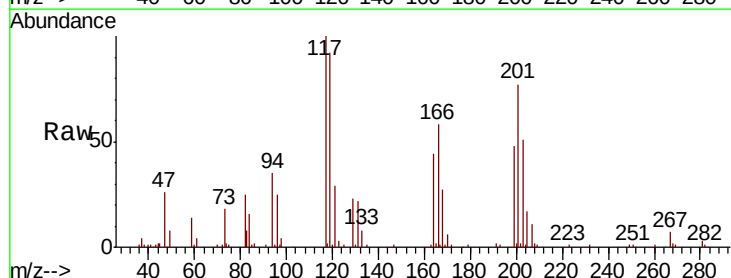
Instrument :
MSVOA_N
ClientSampled :
VN1114WBSD01

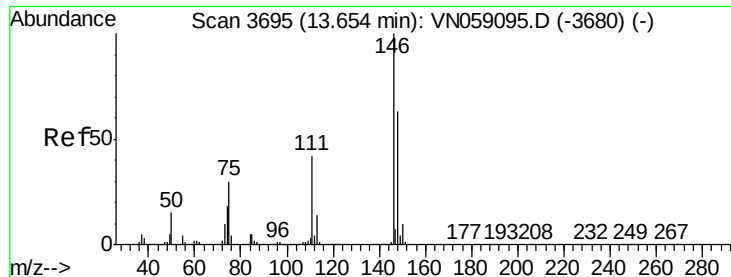
Tot Ion: 91 Resp: 266395
Ion Ratio Lower Upper
91 100
92 52.2 26.1 78.3
134 25.0 12.6 37.8



#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 :

VN1114WBSD01

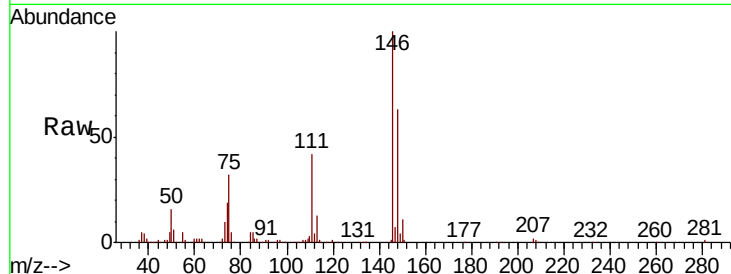
Tot Ion:146 Resp: 170772

Ion Ratio Lower Upper

146 100

111 41.6 21.2 63.6

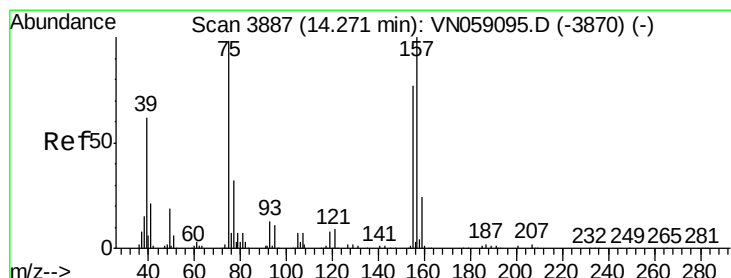
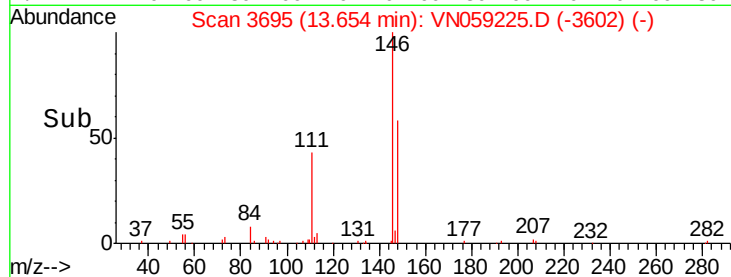
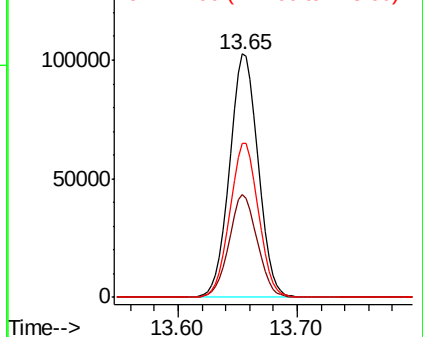
148 63.7 31.6 94.7



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

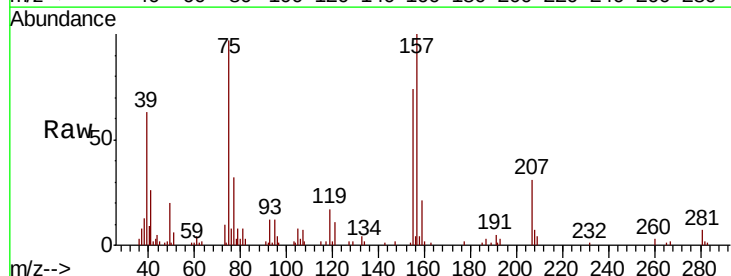
Tgt Ion: 75 Resp: 29524

Ion Ratio Lower Upper

75 100

155 78.4 40.2 120.6

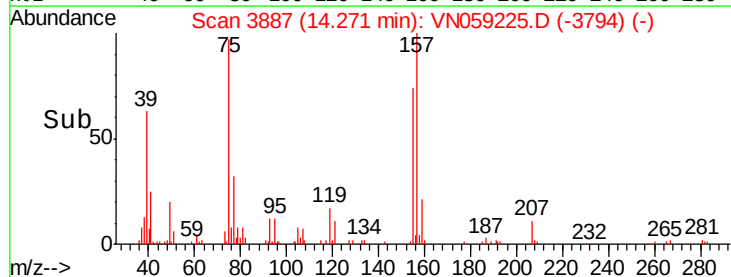
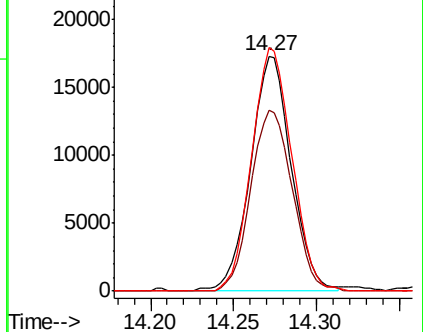
157 101.9 51.8 155.5

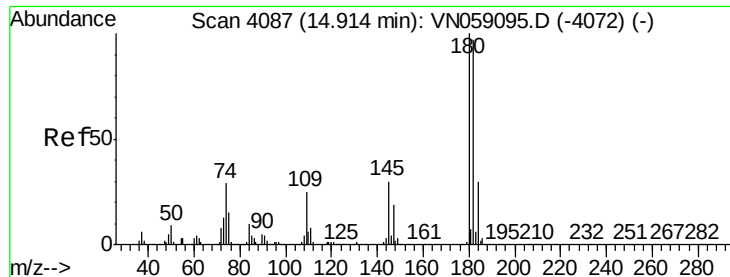


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

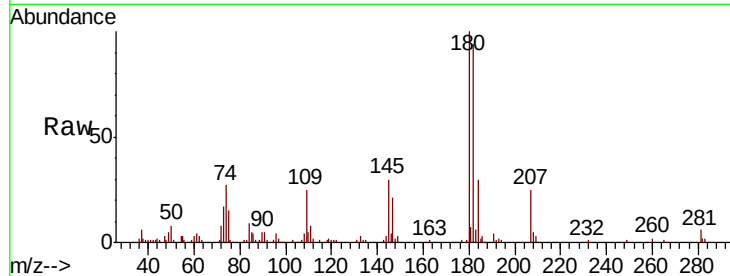




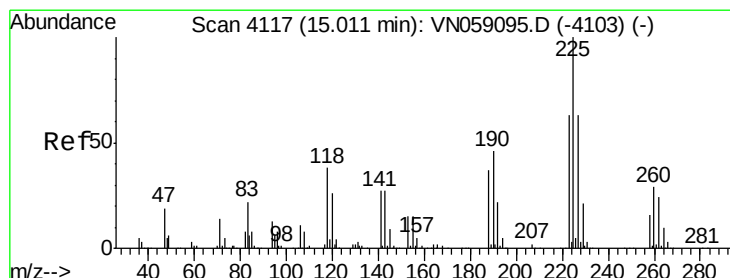
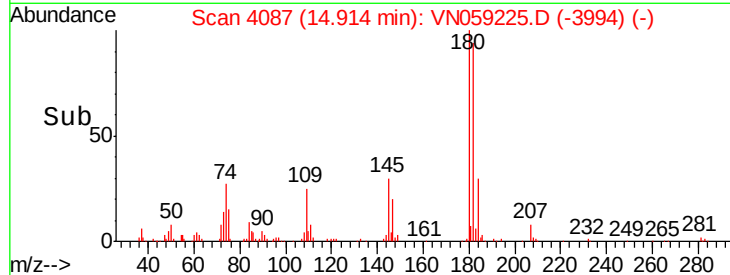
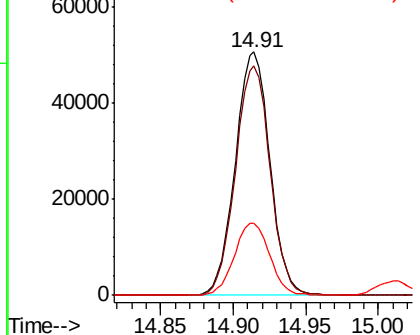
#93
 1,2,4-Trichlorobenzene
 Concen: 19.374 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1114WBSD01

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.7	48.1	144.3
145	30.2	15.1	45.3

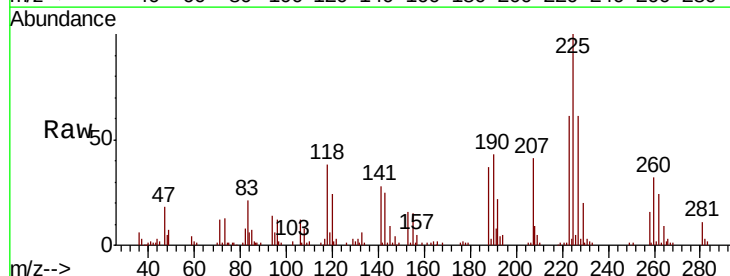


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

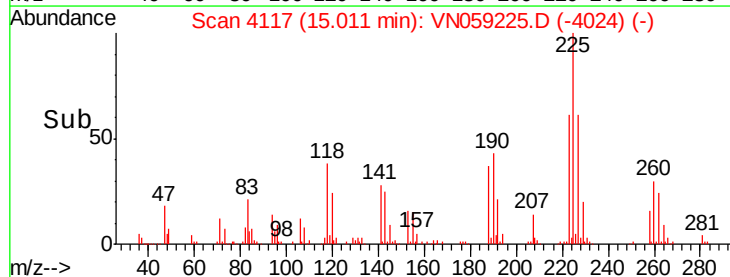
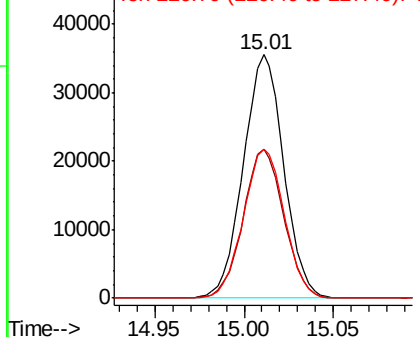


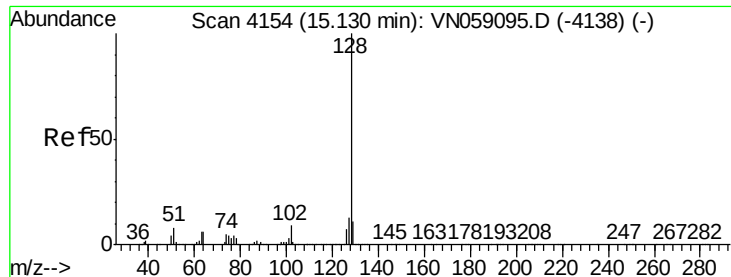
#94
 Hexachlorobutadiene
 Concen: 20.478 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059225.D
 Acq: 14 Nov 2019 12:03

Tgt Ion	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

ClientSampleId :

VN1114WBSD01

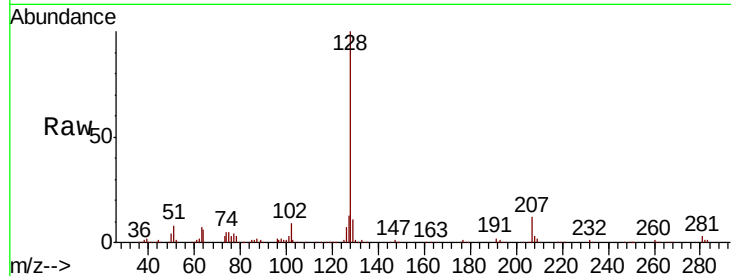
Tot Ion:128 Resp: 231542

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

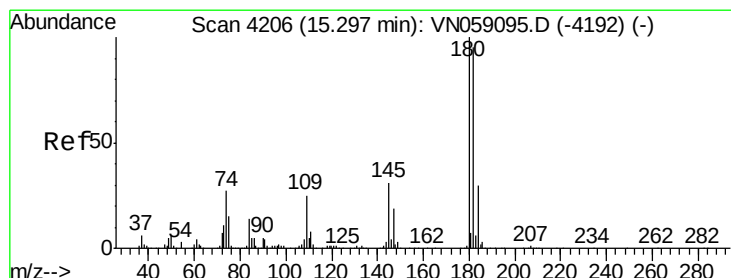
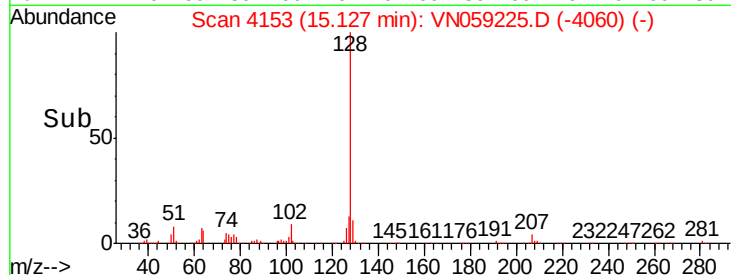
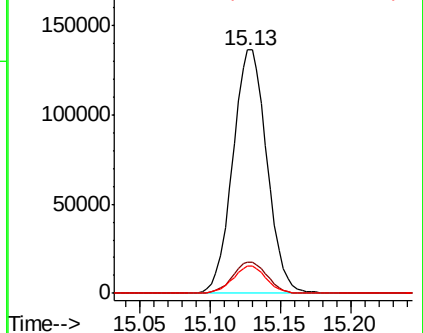
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 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

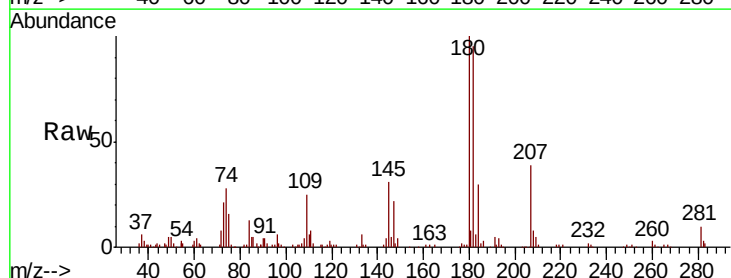
Tgt Ion:180 Resp: 87486

Ion Ratio Lower Upper

180 100

182 95.8 47.3 141.8

145 32.7 15.8 47.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

