

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN011320\
 Data File : VN059693.D
 Acq On : 13 Jan 2020 17:39
 Operator : JC/MD
 Sample : VSTDICV050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

Quant Time: Jan 14 09:09:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011320W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 14 08:58:21 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	205632	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	318381	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	287332	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141435	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	108261	47.41	ug/l	0.00
Spiked Amount			Recovery	=	94.82%	
35) Dibromofluoromethane	7.57	113	92707	48.83	ug/l	0.00
Spiked Amount			Recovery	=	97.66%	
50) Toluene-d8	10.08	98	354645	48.21	ug/l	0.00
Spiked Amount			Recovery	=	96.42%	
62) 4-Bromofluorobenzene	12.40	95	126855	47.83	ug/l	0.00
Spiked Amount			Recovery	=	95.66%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	123105	50.786	ug/l	98
3) Chloromethane	2.04	50	114825	48.774	ug/l	98
4) Vinyl Chloride	2.17	62	140340	52.101	ug/l	97
5) Bromomethane	2.54	94	84189	51.215	ug/l	98
6) Chloroethane	2.68	64	64149	50.338	ug/l	97
7) Trichlorofluoromethane	3.00	101	162514	50.238	ug/l	100
8) Diethyl Ether	3.38	74	56967	50.180	ug/l	84
9) 1,1,2-Trichlorotrifluoroet	3.74	101	91281	50.700	ug/l	92
10) Methyl Iodide	3.93	142	144466	49.641	ug/l	95
11) Tert butyl alcohol	4.73	59	95275	247.834	ug/l	100
12) 1,1-Dichloroethene	3.72	96	92692	49.270	ug/l	90
13) Acrolein	3.58	56	52424	192.643	ug/l	100
14) Allyl chloride	4.29	41	127924	50.447	ug/l #	88
15) Acrylonitrile	4.94	53	224571	256.091	ug/l	99
16) Acetone	3.78	43	194761	250.058	ug/l	96
17) Carbon Disulfide	4.03	76	263892	49.240	ug/l	99
18) Methyl Acetate	4.29	43	132842	49.802	ug/l	92
19) Methyl tert-butyl Ether	5.00	73	300866	49.050	ug/l	95
20) Methylene Chloride	4.52	84	102170	49.437	ug/l	90
21) trans-1,2-Dichloroethene	5.01	96	99951	49.980	ug/l	87
22) Diisopropyl ether	5.91	45	285201	49.630	ug/l	93
23) Vinyl Acetate	5.86	43	1126921	253.284	ug/l	95
24) 1,1-Dichloroethane	5.82	63	172070	49.005	ug/l	97
25) 2-Butanone	6.80	43	303097	234.380	ug/l	92
26) 2,2-Dichloropropane	6.79	77	163890	48.550	ug/l	96
27) cis-1,2-Dichloroethene	6.80	96	114514	49.786	ug/l	88
28) Bromochloromethane	7.17	49	70729	50.398	ug/l #	76
29) Tetrahydrofuran	7.18	42	195869	244.800	ug/l	89
30) Chloroform	7.35	83	180226	49.538	ug/l	99
31) Cyclohexane	7.63	56	157561	46.633	ug/l	91
32) 1,1,1-Trichloroethane	7.55	97	166680	49.550	ug/l	96
36) 1,1-Dichloropropene	7.77	75	135639	48.922	ug/l	96
37) Ethyl Acetate	6.90	43	124772	47.981	ug/l	95
38) Carbon Tetrachloride	7.75	117	148536	49.250	ug/l	98

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

39) Methylcyclohexane	9.07	83	169394	49.550	ug/l	91
40) Benzene	8.02	78	400891	48.482	ug/l	100
41) Methacrylonitrile	7.18	41	182576	142.541	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	138854	49.528	ug/l	96
43) Isopropyl Acetate	8.14	43	217362	48.596	ug/l #	95
44) Trichloroethene	8.82	130	114397	50.678	ug/l	93
45) 1,2-Dichloropropane	9.10	63	101637	49.673	ug/l	99
46) Dibromomethane	9.19	93	70946	49.154	ug/l	90
47) Bromodichloromethane	9.39	83	143325	49.276	ug/l	98
48) Methyl methacrylate	9.18	41	98646	49.306	ug/l	91
49) 1,4-Dioxane	9.18	88	37443	1022.318	ug/l #	91
51) 4-Methyl-2-Pentanone	9.97	43	636874	246.314	ug/l	96
52) Toluene	10.14	92	257809	49.361	ug/l	99
53) t-1,3-Dichloropropene	10.37	75	164479	50.645	ug/l	100
54) cis-1,3-Dichloropropene	9.82	75	172404	50.452	ug/l	94
55) 1,1,2-Trichloroethane	10.55	97	100332	48.502	ug/l	97
56) Ethyl methacrylate	10.42	69	159098	50.334	ug/l	92
57) 1,3-Dichloropropane	10.70	76	165464	50.382	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	242176	254.373	ug/l	92
59) 2-Hexanone	10.74	43	477600	250.730	ug/l	94
60) Dibromochloromethane	10.89	129	117363	49.822	ug/l	99
61) 1,2-Dibromoethane	10.99	107	108313	49.957	ug/l	99
64) Tetrachloroethene	10.62	164	102831	43.911	ug/l	96
65) Chlorobenzene	11.43	112	279883	49.558	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.50	131	107693	49.350	ug/l	99
67) Ethyl Benzene	11.50	91	503884	49.149	ug/l	98
68) m/p-Xylenes	11.62	106	383587	99.049	ug/l	94
69) o-Xylene	11.94	106	185160	48.837	ug/l	95
70) Styrene	11.96	104	317461	50.039	ug/l	97
71) Bromoform	12.12	173	89628	51.275	ug/l #	99
73) Isopropylbenzene	12.25	105	502362	48.431	ug/l	100
74) N-amyl acetate	12.06	43	196917	48.924	ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.50	83	145026	48.228	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	196225	82.440	ug/l #	100
77) Bromobenzene	12.52	156	127606	48.579	ug/l	83
78) n-propylbenzene	12.59	91	570054	48.964	ug/l	97
79) 2-Chlorotoluene	12.67	91	329397	47.559	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	419466	48.085	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	55816	50.359	ug/l	93
82) 4-Chlorotoluene	12.77	91	342289	49.272	ug/l	97
83) tert-Butylbenzene	12.99	119	365504	48.445	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	416694	48.283	ug/l	98
85) sec-Butylbenzene	13.17	105	481315	48.556	ug/l	98
86) p-Isopropyltoluene	13.28	119	446536	48.684	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	225388	49.396	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	223911	49.190	ug/l	97
89) n-Butylbenzene	13.61	91	389778	49.840	ug/l	99
90) Hexachloroethane	13.87	117	83500	48.657	ug/l	88
91) 1,2-Dichlorobenzene	13.65	146	220831	48.955	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	31927	49.443	ug/l	79

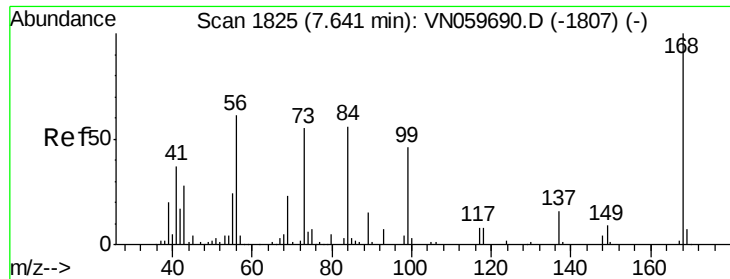
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	140854	51.966	ug/l	99
94) Hexachlorobutadiene	15.01	225	74559	49.917	ug/l	99
95) Naphthalene	15.13	128	400551	51.954	ug/l	100
96) 1,2,3-Trichlorobenzene	15.31	180	134721	51.063	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

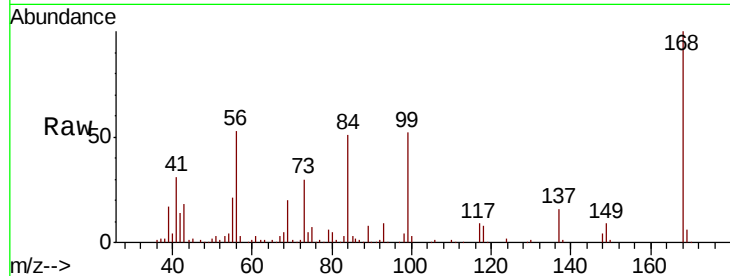
ICVVN011320

Tot Ion:168 Resp: 205632

Ion Ratio Lower Upper

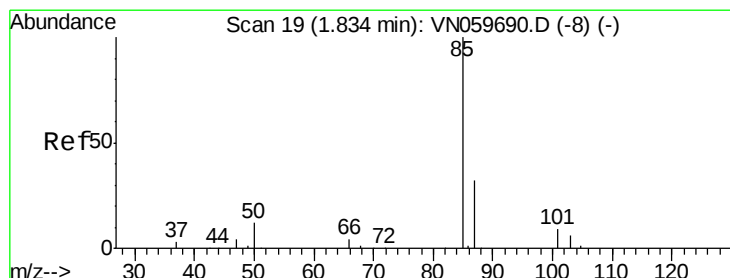
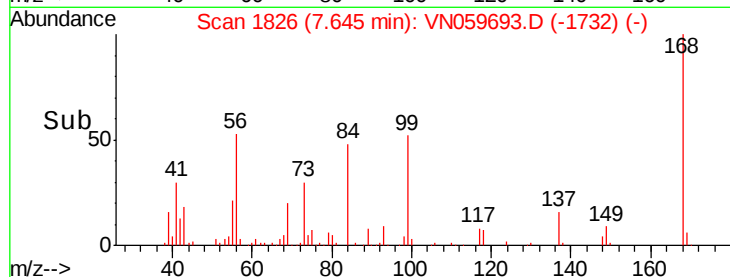
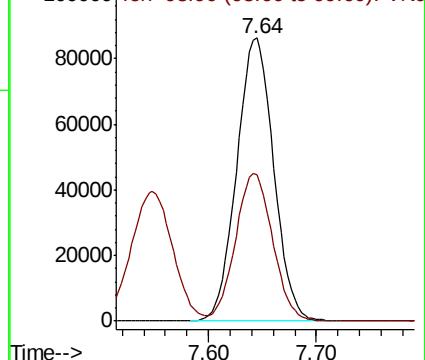
168 100

99 51.6 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 50.786 ug/l

RT: 1.83 min Scan# 18

Delta R.T. -0.00 min

Lab File: VN059693.D

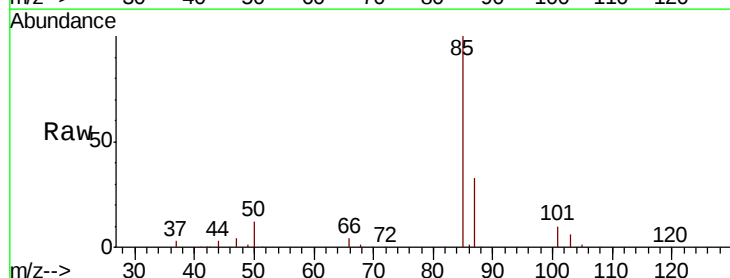
Acq: 13 Jan 2020 17:39

Tgt Ion: 85 Resp: 123105

Ion Ratio Lower Upper

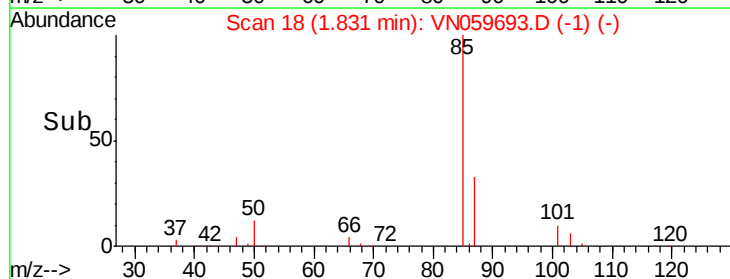
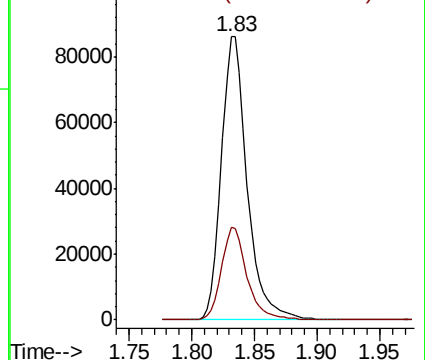
85 100

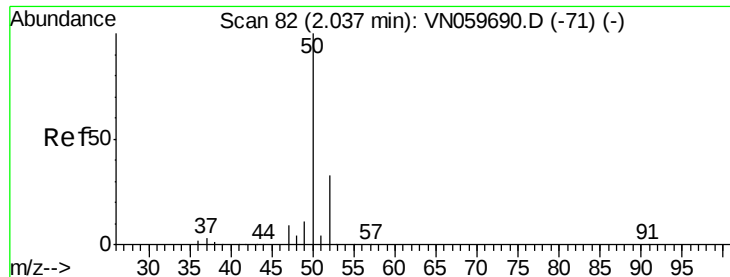
87 32.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 48.774 ug/l

RT: 2.04 min Scan# 82

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

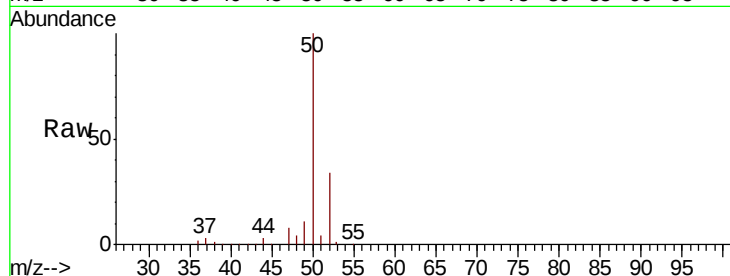
ICVFN011320

Tot Ion: 50 Resp: 114825

Ion Ratio Lower Upper

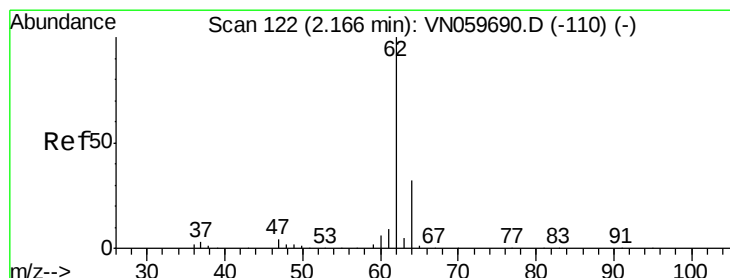
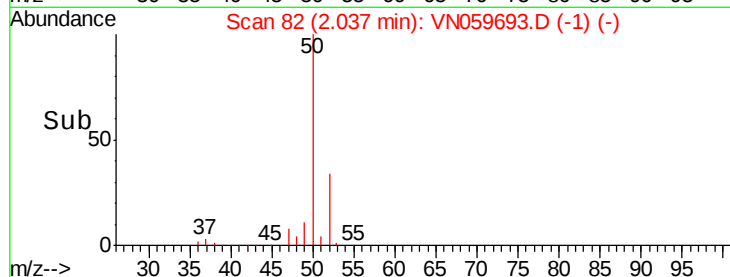
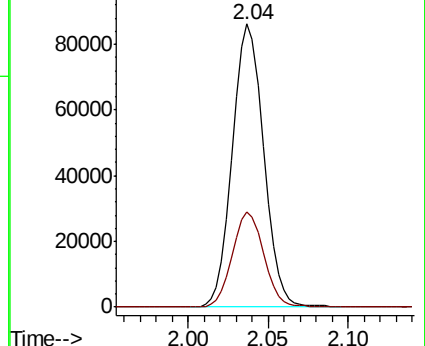
50 100

52 33.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VN059693.D (-71) (-)

Ion 51.90 (51.60 to 52.60): VN059693.D (-71) (-)



#4

Vinyl Chloride

Concen: 52.101 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059693.D

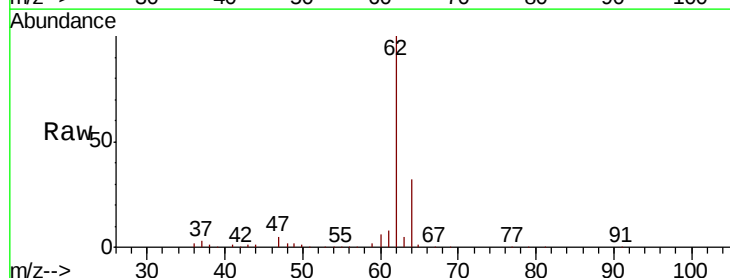
Acq: 13 Jan 2020 17:39

Tgt Ion: 62 Resp: 140340

Ion Ratio Lower Upper

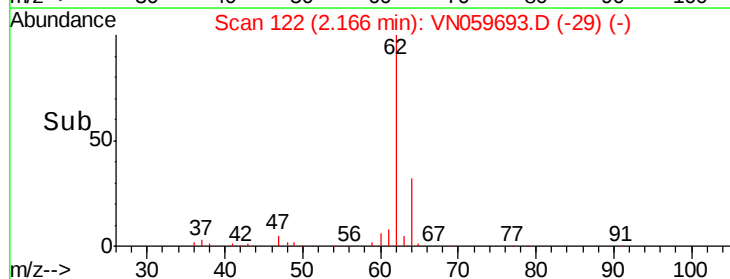
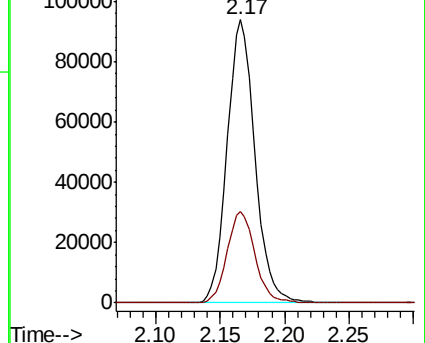
62 100

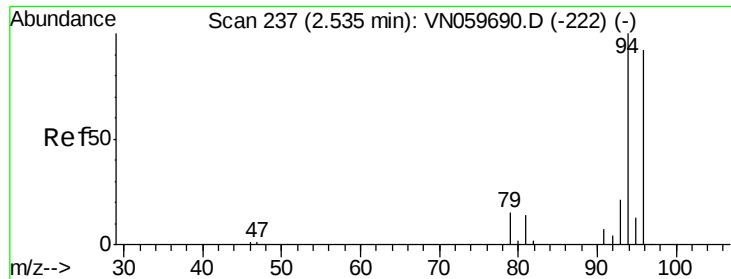
64 32.4 24.6 37.0



Abundance Ion 61.90 (61.60 to 62.60): VN059693.D (-110) (-)

Ion 63.90 (63.60 to 64.60): VN059693.D (-110) (-)

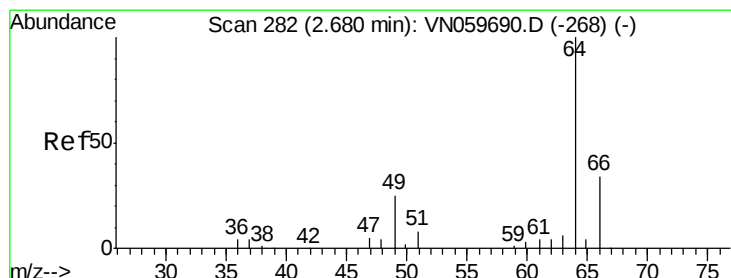
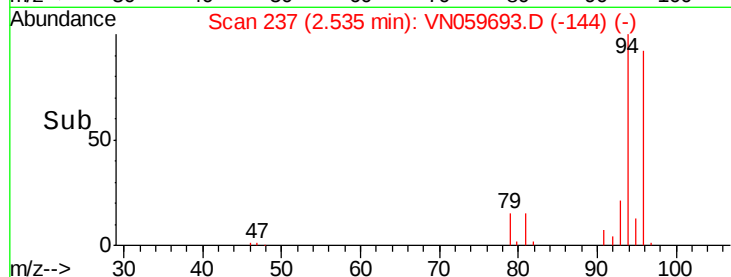
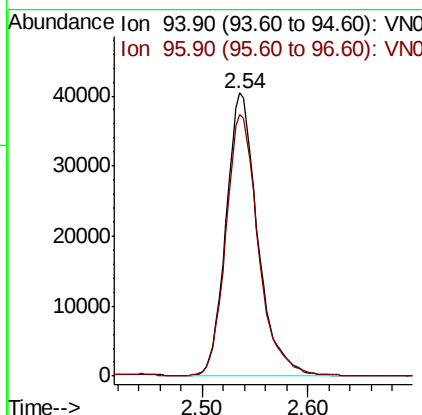
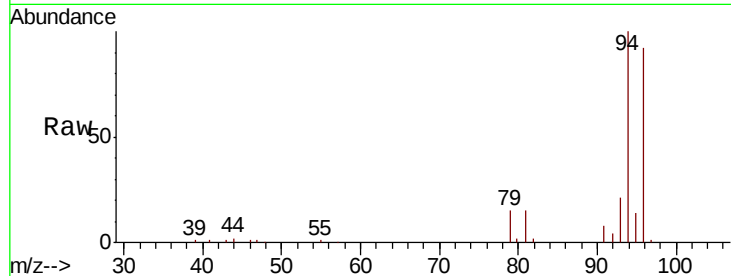




#5
Bromomethane
Concen: 51.215 ug/l
RT: 2.54 min Scan# 237
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

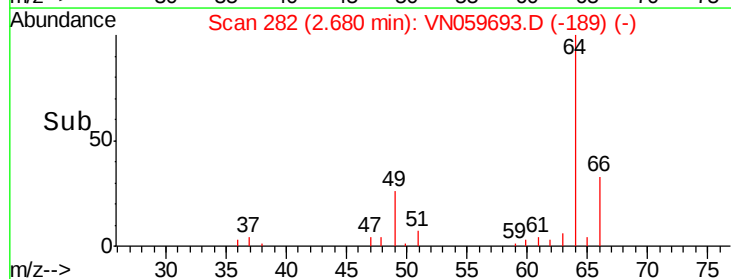
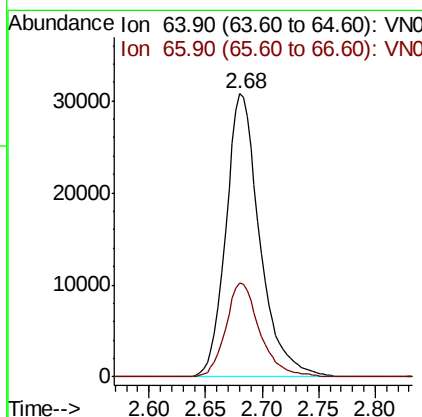
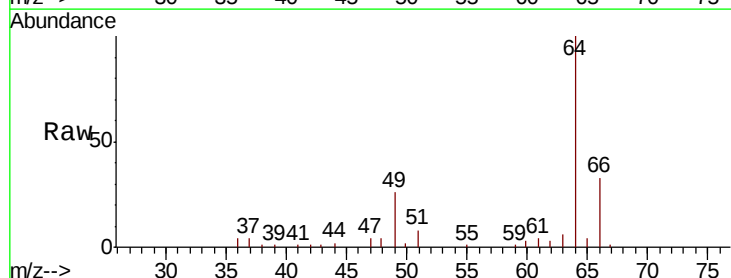
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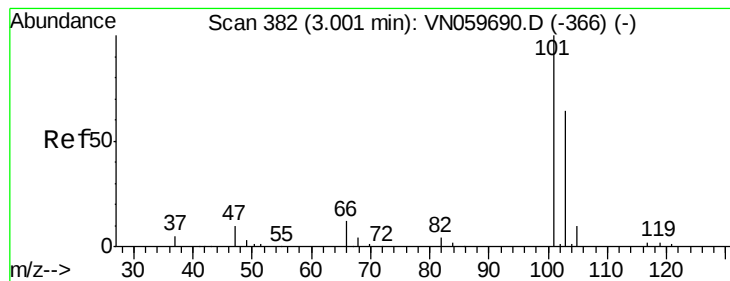
Tot Ion: 94 Resp: 84189
Ion Ratio Lower Upper
94 100
96 91.9 74.7 112.1



#6
Chloroethane
Concen: 50.338 ug/l
RT: 2.68 min Scan# 282
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 64 Resp: 64149
Ion Ratio Lower Upper
64 100
66 33.0 25.1 37.7



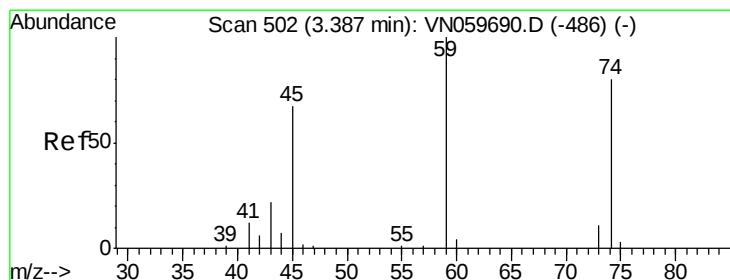
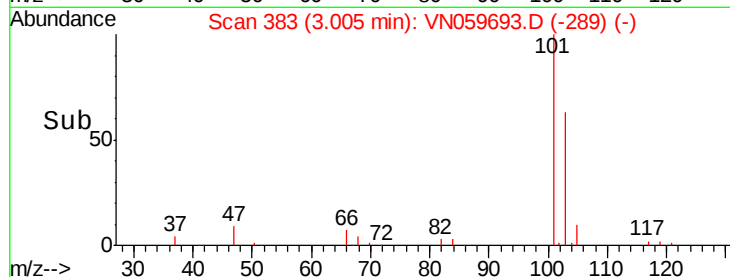
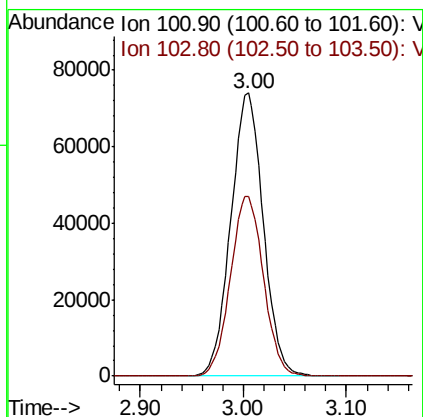
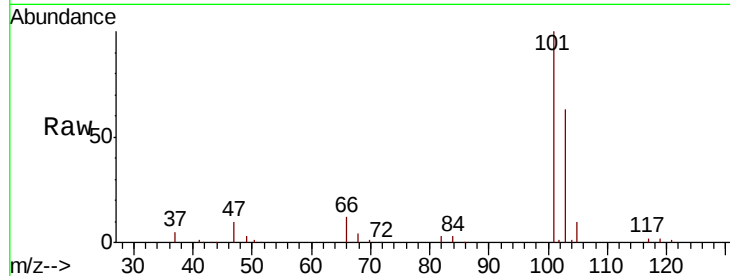


#7

Trichlorofluoromethane
Concen: 50.238 ug/l
RT: 3.00 min Scan# 383
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVFN011320

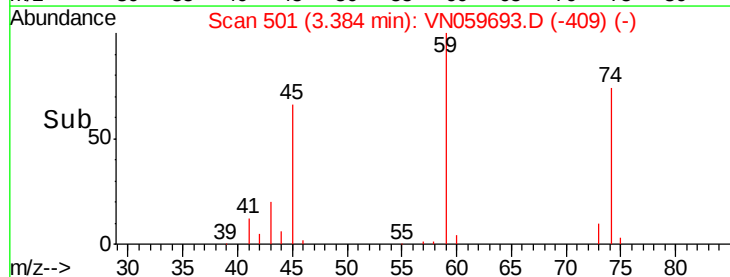
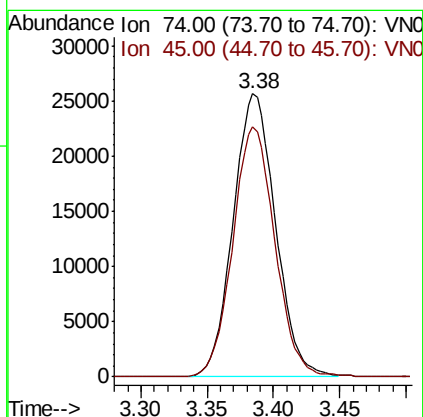
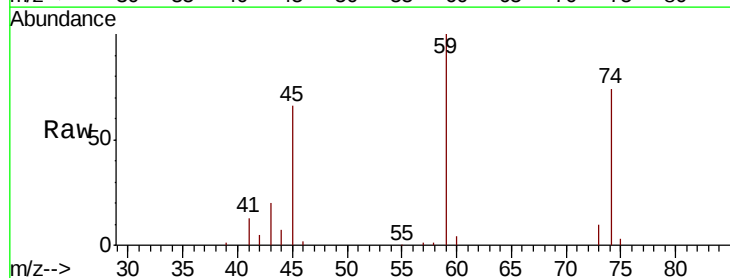
Tot Ion:101 Resp: 162514
Ion Ratio Lower Upper
101 100
103 63.5 51.0 76.6

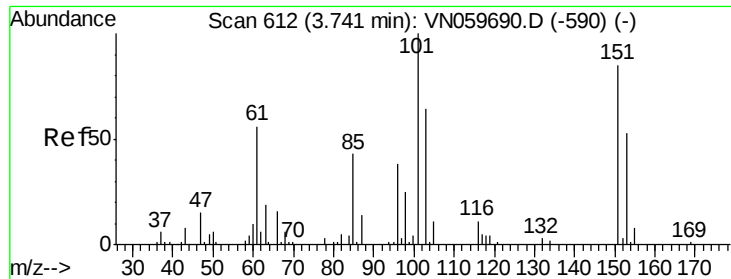


#8

Diethyl Ether
Concen: 50.180 ug/l
RT: 3.38 min Scan# 501
Delta R.T. -0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 74 Resp: 56967
Ion Ratio Lower Upper
74 100
45 88.0 51.9 155.8

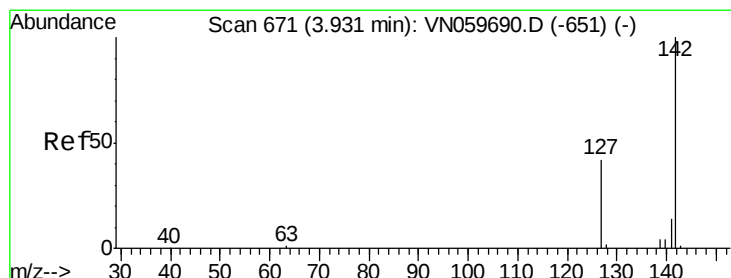
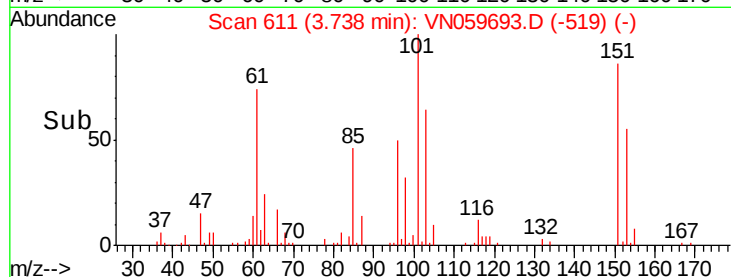
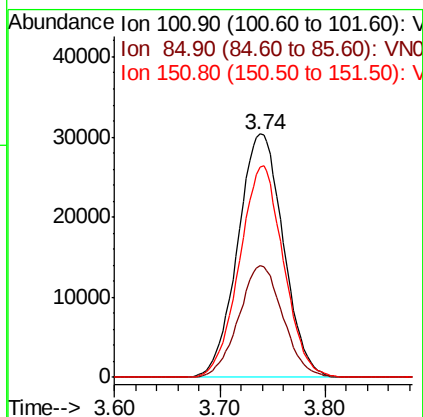
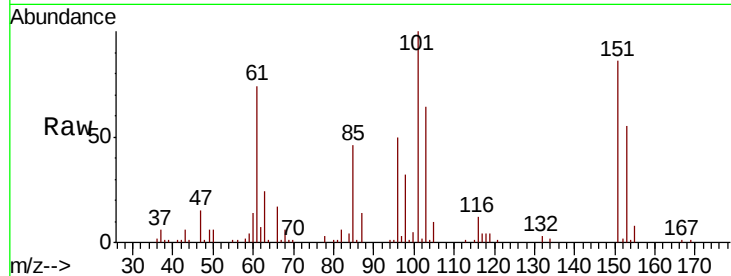




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 50.700 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. -0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

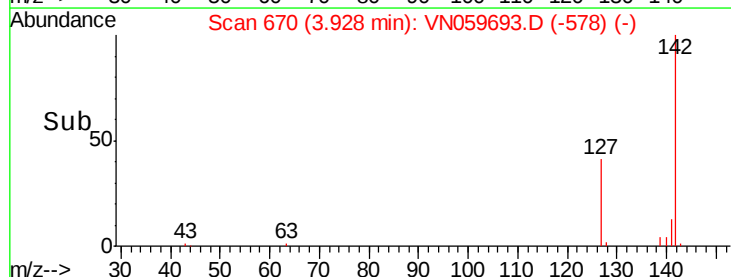
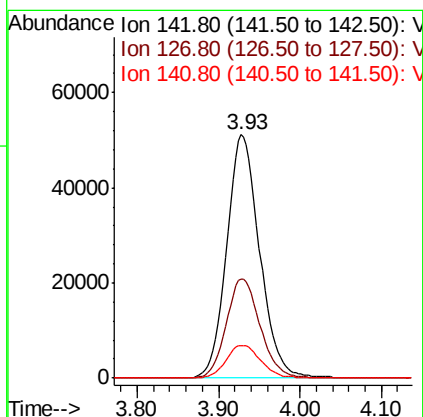
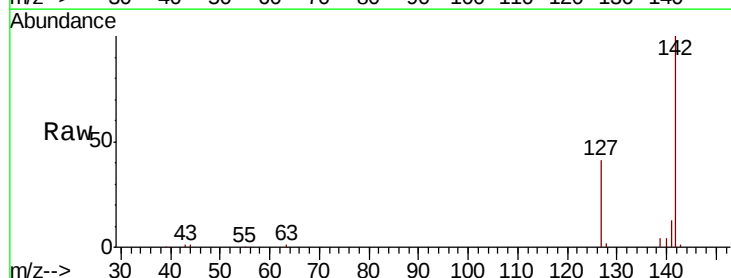
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

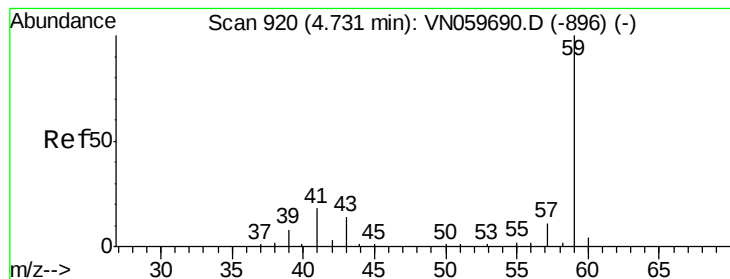
Tot Ion:101 Resp: 91281
 Ion Ratio Lower Upper
 101 100
 85 44.3 36.6 54.8
 151 84.2 59.7 89.5



#10
 Methyl Iodide
 Concen: 49.641 ug/l
 RT: 3.93 min Scan# 670
 Delta R.T. -0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion:142 Resp: 144466
 Ion Ratio Lower Upper
 142 100
 127 41.9 36.7 55.1
 141 14.2 11.7 17.5



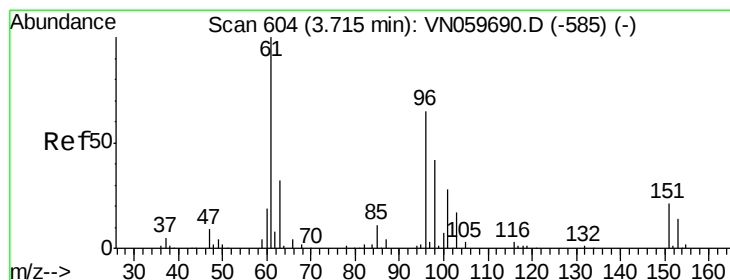
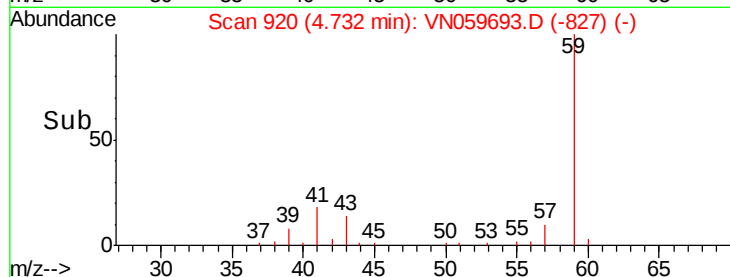
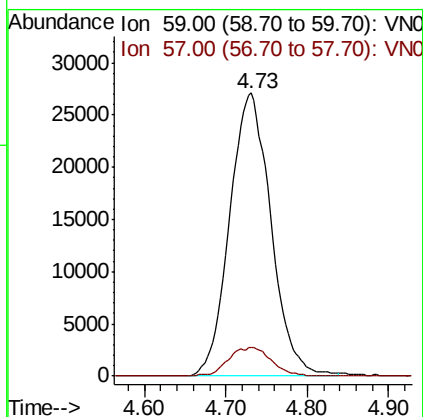
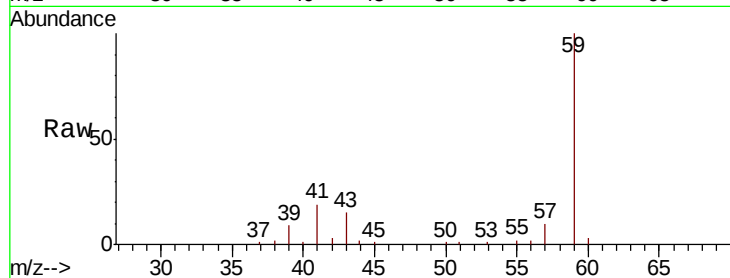


#11

Tert butyl alcohol
Concen: 247.834 ug/l
RT: 4.73 min Scan# 920
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

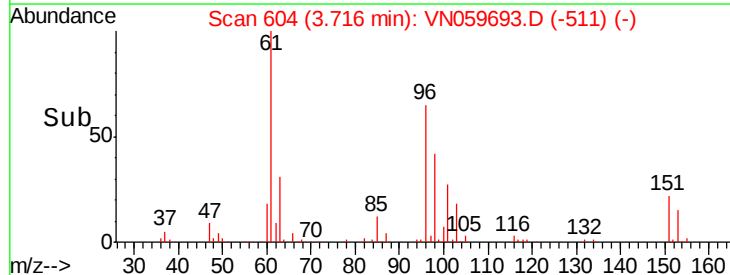
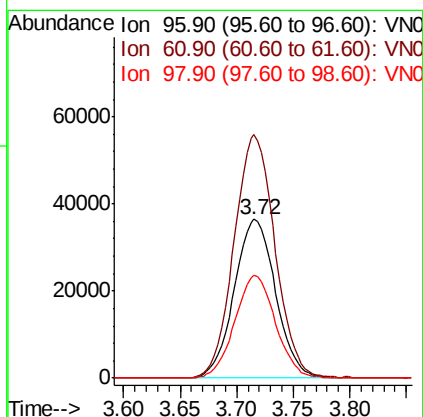
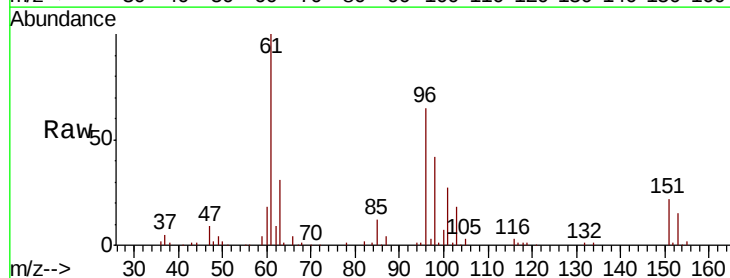
Tot Ion: 59 Resp: 95275
Ion Ratio Lower Upper
59 100
57 10.6 8.6 12.8

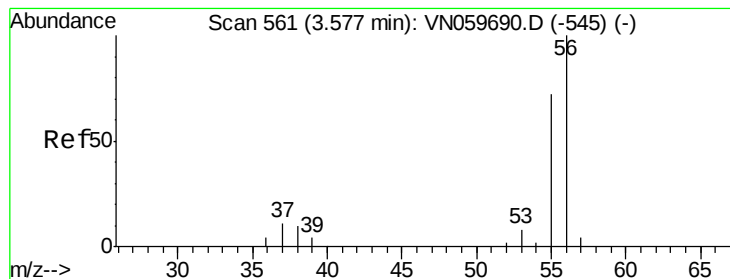


#12

1,1-Dichloroethene
Concen: 49.270 ug/l
RT: 3.72 min Scan# 604
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 96 Resp: 92692
Ion Ratio Lower Upper
96 100
61 153.4 137.5 206.3
98 64.7 50.2 75.4





#13

Acrolein

Concen: 192.643 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

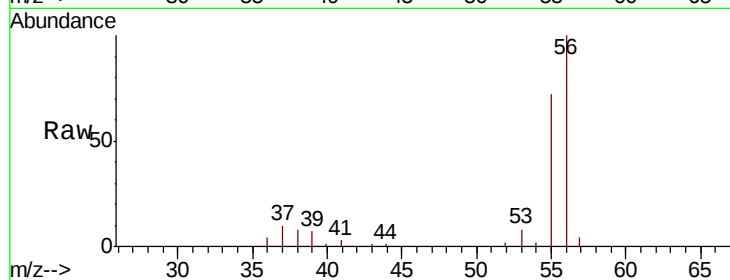
ICVVN011320

Tot Ion: 56 Resp: 52424

Ion Ratio Lower Upper

56 100

55 73.3 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

25000

20000

15000

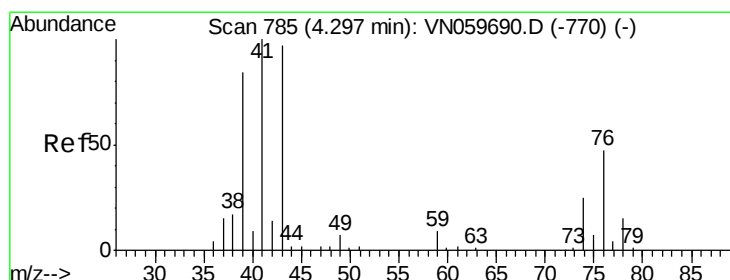
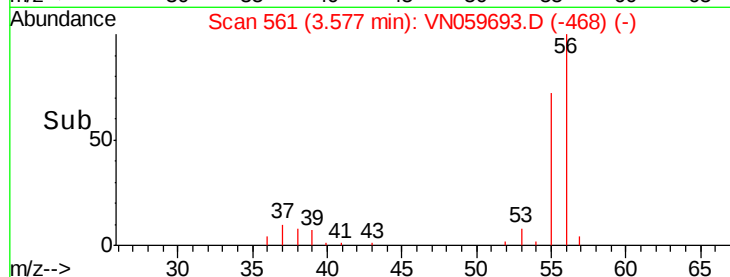
10000

5000

0

3.50 3.55 3.60 3.65 3.70

Time-->



#14

Allyl chloride

Concen: 50.447 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

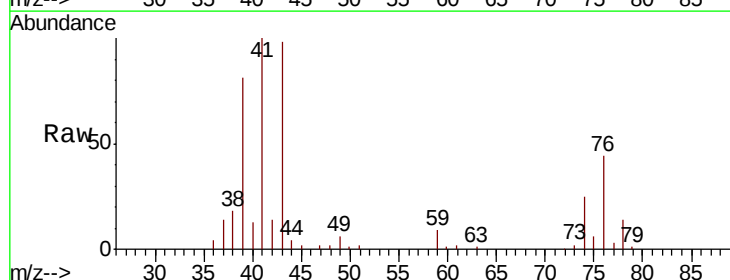
Tgt Ion: 41 Resp: 127924

Ion Ratio Lower Upper

41 100

39 79.5 57.8 86.8

76 43.0 25.4 38.0#



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

60000

50000

40000

30000

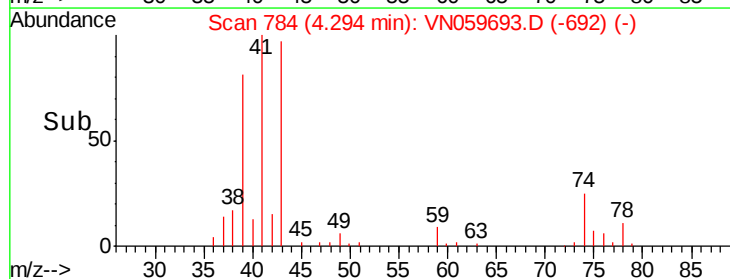
20000

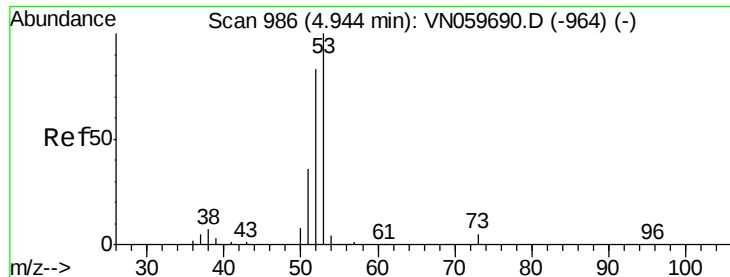
10000

0

4.20 4.25 4.30 4.35 4.40

Time-->





#15

Acrylonitrile

Concen: 256.091 ug/l

RT: 4.94 min Scan# 986

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

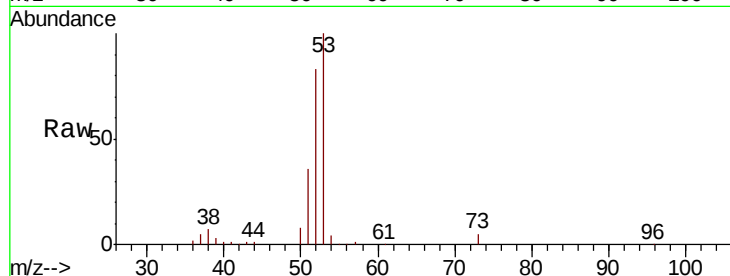
Tot Ion: 53 Resp: 224571

Ion Ratio Lower Upper

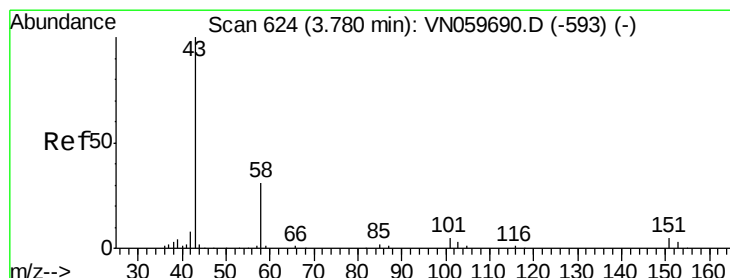
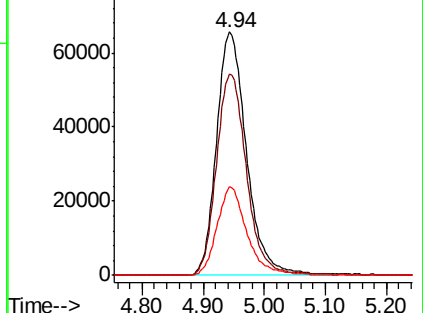
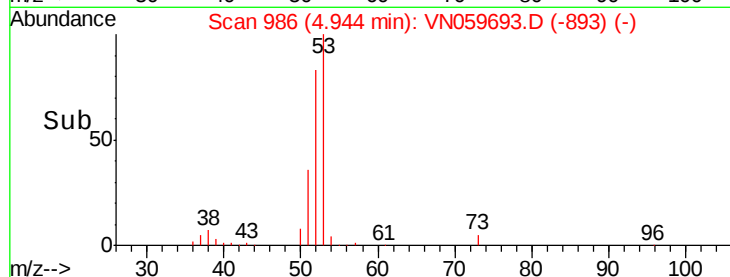
53 100

52 83.0 66.3 99.5

51 36.2 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059693.D (-893) (-)



#16

Acetone

Concen: 250.058 ug/l

RT: 3.78 min Scan# 624

Delta R.T. 0.00 min

Lab File: VN059693.D

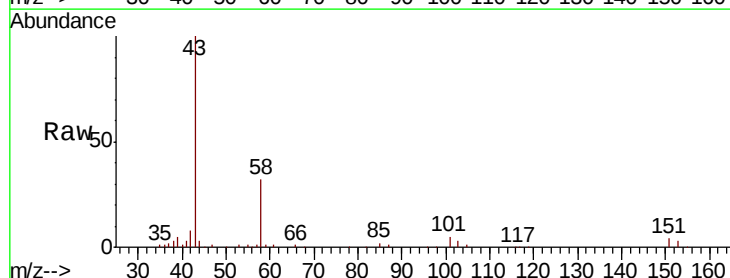
Acq: 13 Jan 2020 17:39

Tgt Ion: 43 Resp: 194761

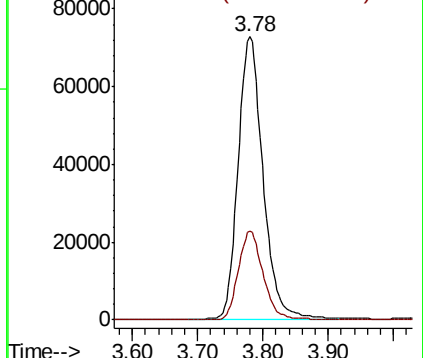
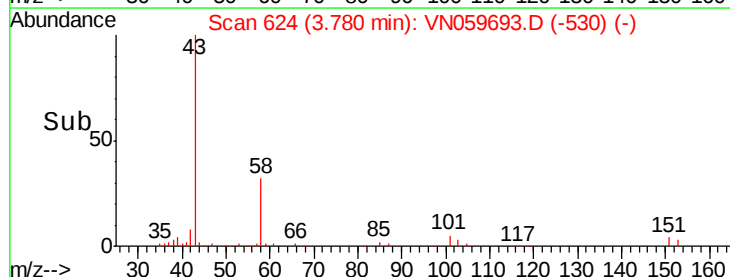
Ion Ratio Lower Upper

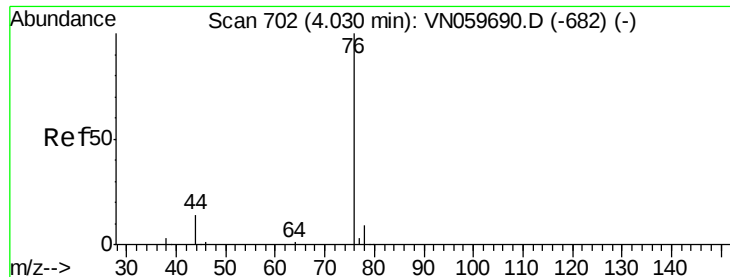
43 100

58 31.6 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059693.D (-530) (-)

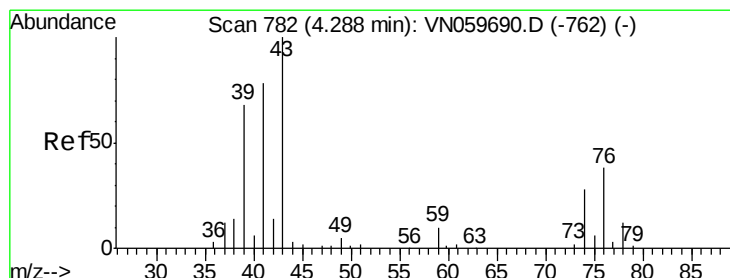
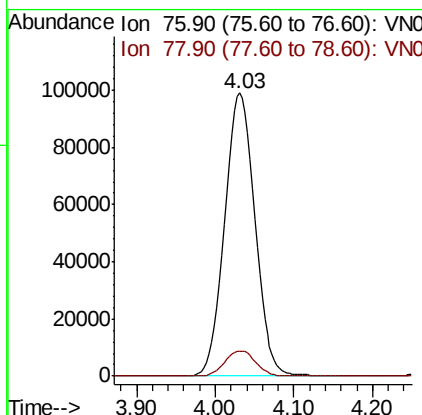
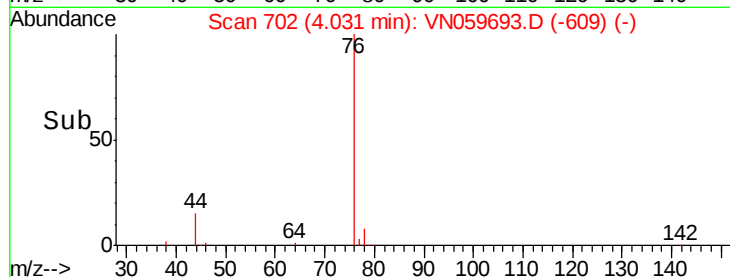
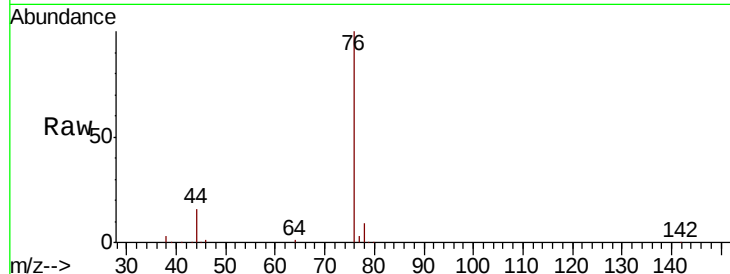




#17
Carbon Disulfide
Concen: 49.240 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

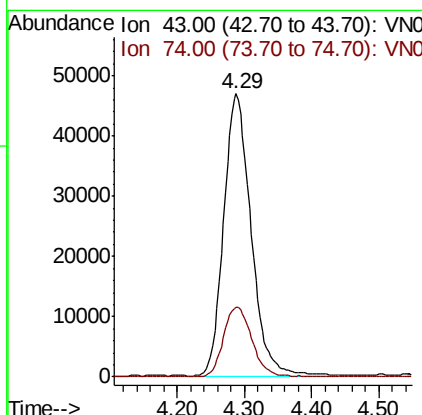
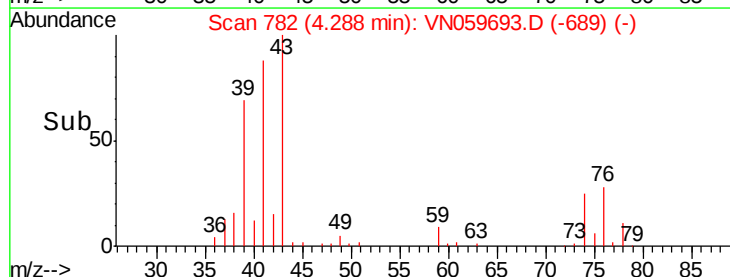
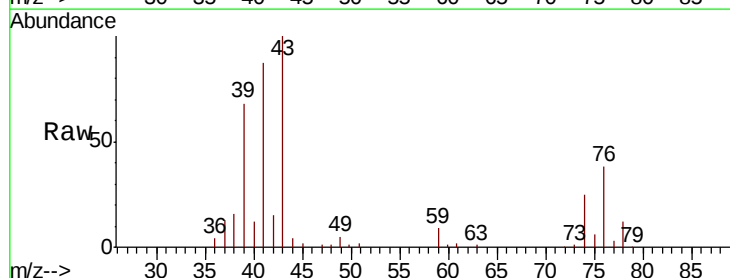
Instrument :
MSVOA_N
ClientSampled :
ICVVN011320

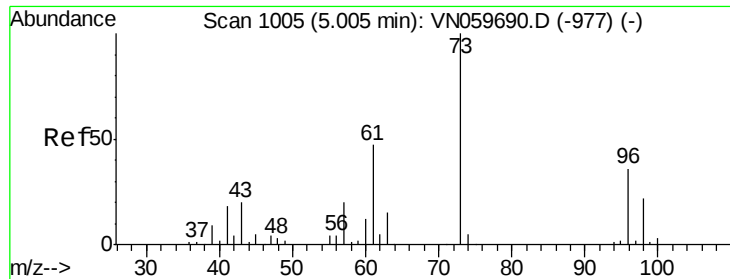
Tot Ion: 76 Resp: 263892
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.0



#18
Methyl Acetate
Concen: 49.802 ug/l
RT: 4.29 min Scan# 782
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 43 Resp: 132842
Ion Ratio Lower Upper
43 100
74 25.6 17.5 26.3

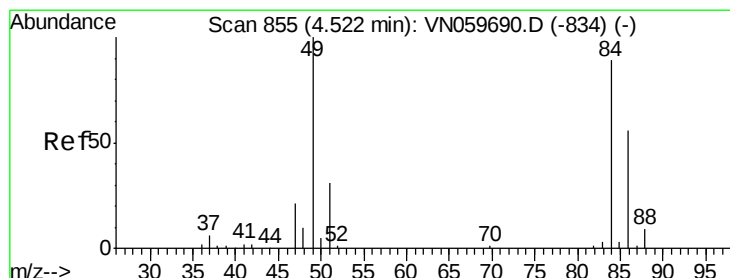
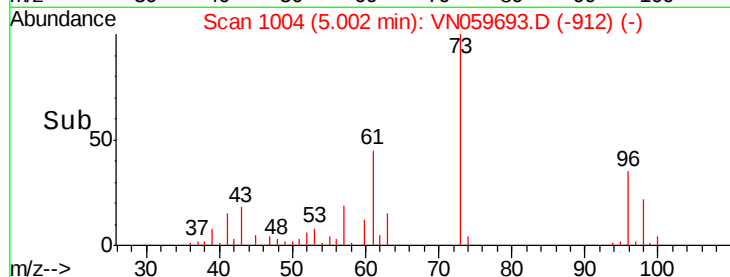
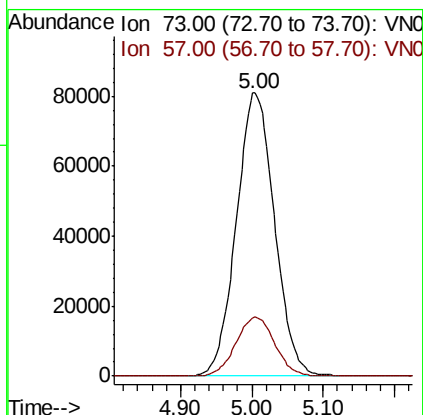
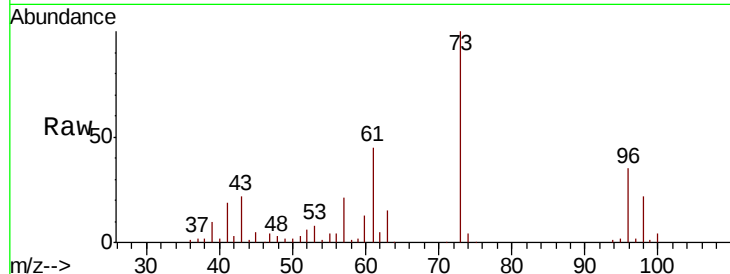




#19
Methvl tert-butvl Ether
Concen: 49.050 ug/l
RT: 5.00 min Scan# 1004
Delta R.T. -0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

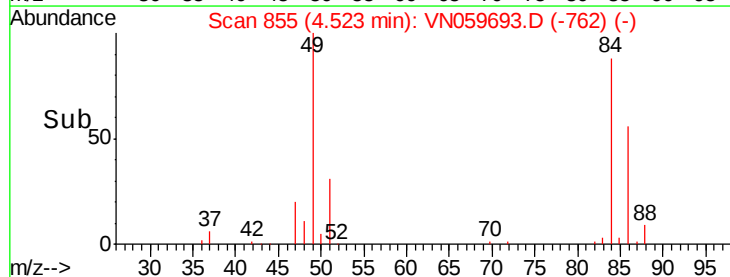
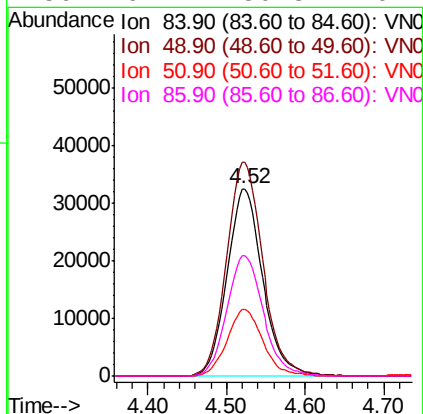
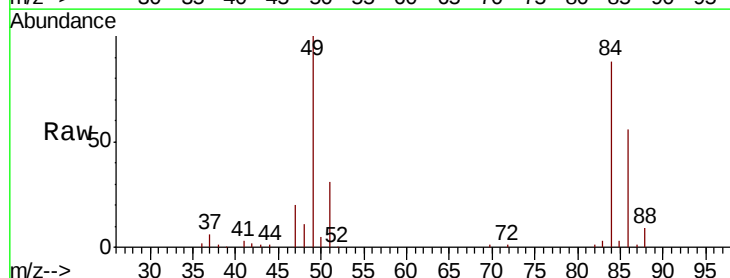
Instrument :
MSVOA_N
ClientSampleId :
ICVVO11320

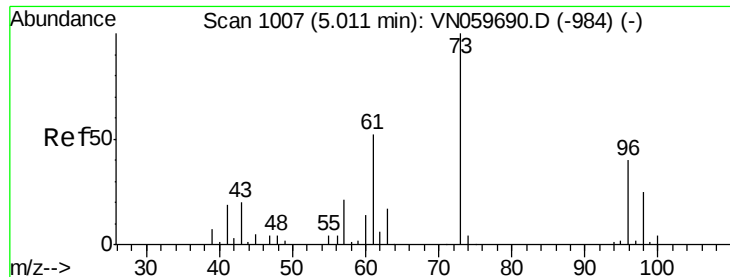
Tot Ion: 73 Resp: 300866
Ion Ratio Lower Upper
73 100
57 20.8 18.6 27.8



#20
Methylene Chloride
Concen: 49.437 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 84 Resp: 102170
Ion Ratio Lower Upper
84 100
49 114.2 106.6 160.0
51 35.9 31.9 47.9
86 64.1 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 49.980 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampled :

ICVVN011320

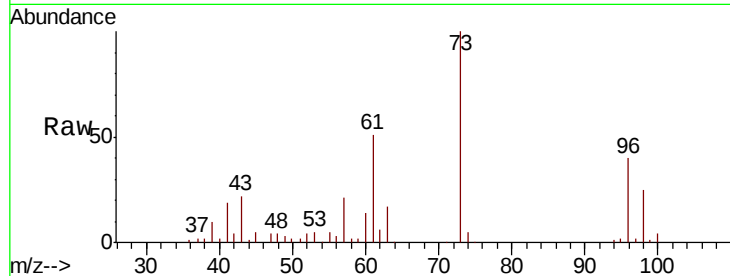
Tot Ion: 96 Resp: 99951

Ion Ratio Lower Upper

96 100

61 127.7 120.4 180.6

98 61.2 50.6 75.8

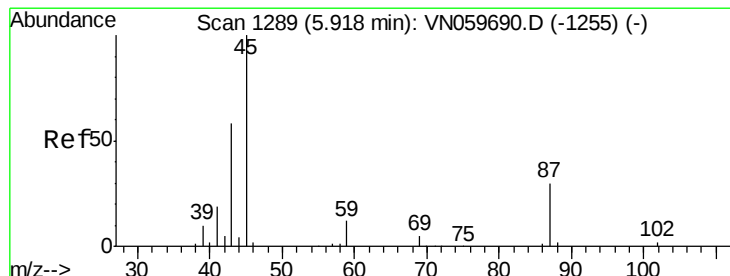
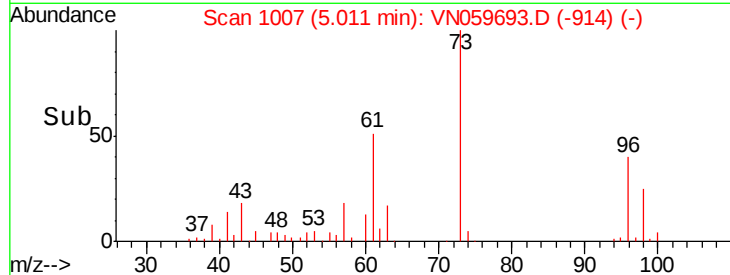
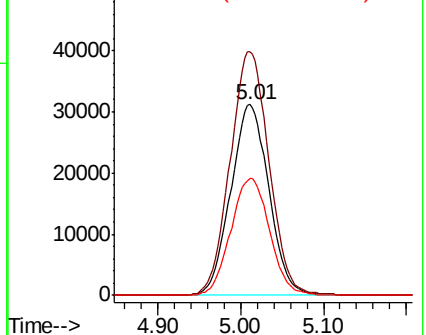


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 49.630 ug/l

RT: 5.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Tgt Ion: 45 Resp: 285201

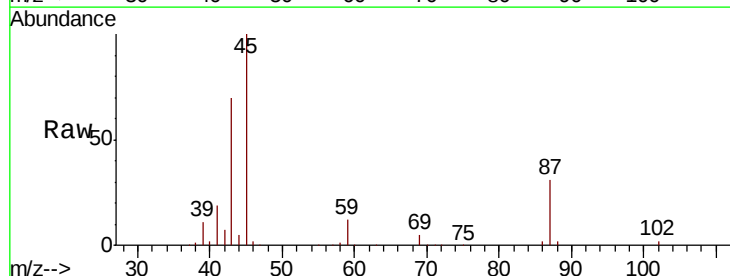
Ion Ratio Lower Upper

45 100

43 69.3 50.8 76.2

87 31.2 21.0 31.6

59 12.2 9.1 13.7



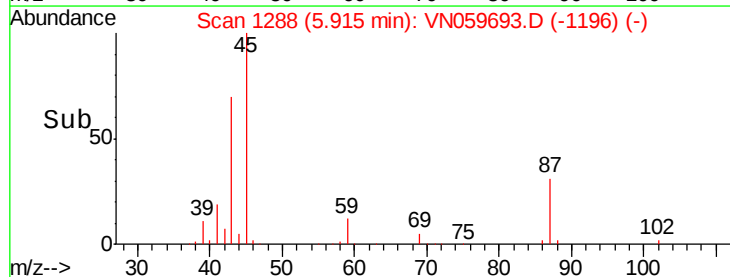
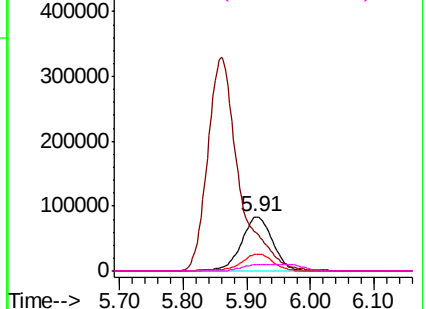
Abundance

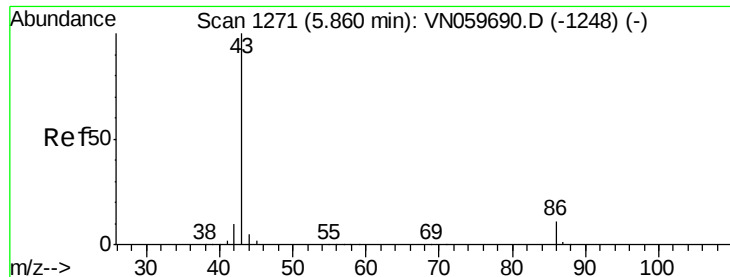
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 253.284 ug/l

RT: 5.86 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

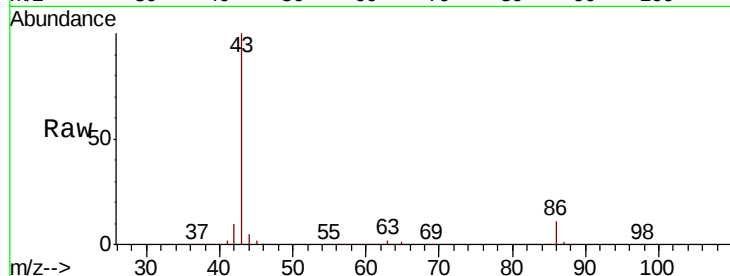
ICVVN011320

Tot Ion: 43 Resp: 1126921

Ion Ratio Lower Upper

43 100

86 11.3 7.6 11.4



Abundance Ion 43.00 (42.70 to 43.70): VN059693.D (-1178) (-)

Ion 86.00 (85.70 to 86.70): VN059693.D (-1178) (-)

5.86

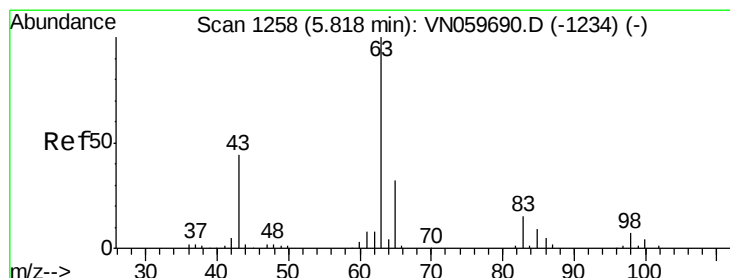
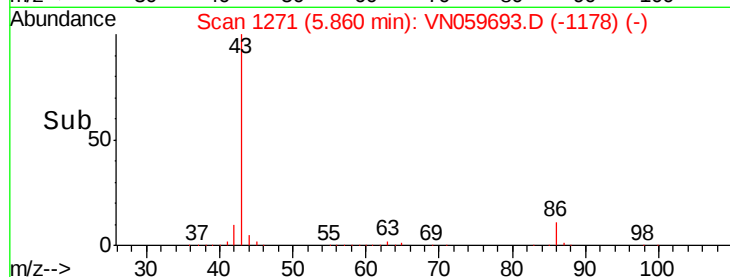
300000

200000

100000

0

Time-->



#24

1,1-Dichloroethane

Concen: 49.005 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

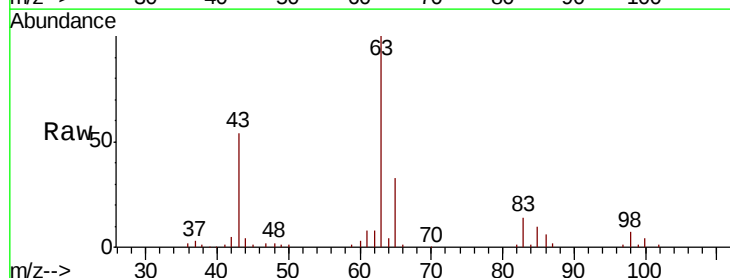
Tgt Ion: 63 Resp: 172070

Ion Ratio Lower Upper

63 100

98 7.1 2.9 8.7

100 4.4 2.0 6.0



Abundance Ion 62.90 (62.60 to 63.60): VN059693.D (-1165) (-)

Ion 97.90 (97.60 to 98.60): VN059693.D (-1165) (-)

Ion 99.90 (99.60 to 100.60): VN059693.D (-1165) (-)

5.82

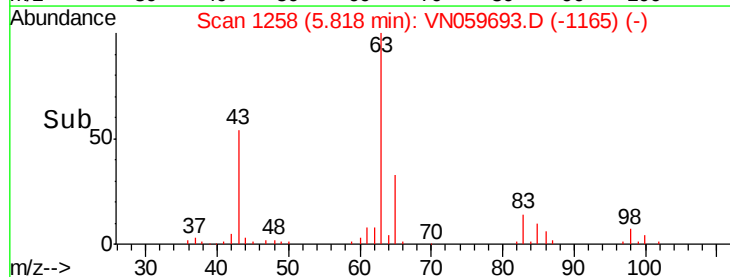
60000

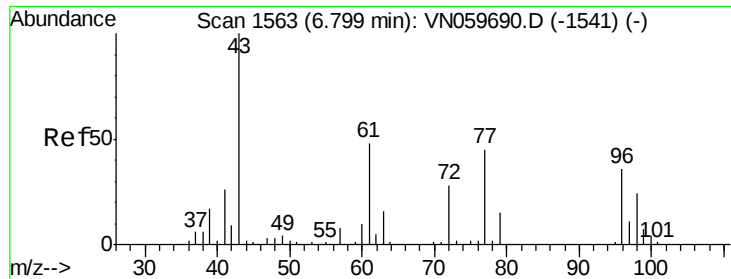
40000

20000

0

Time-->





#25

2-Butanone

Concen: 234.380 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

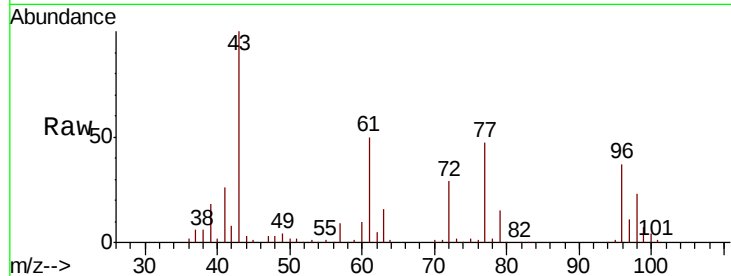
ICVVN011320

Tot Ion: 43 Resp: 303097

Ion Ratio Lower Upper

43 100

72 28.7 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

6.80

120000

100000

80000

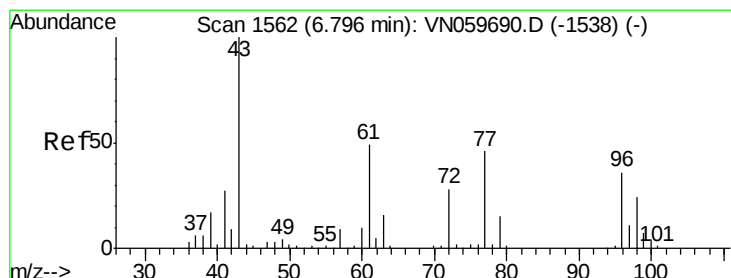
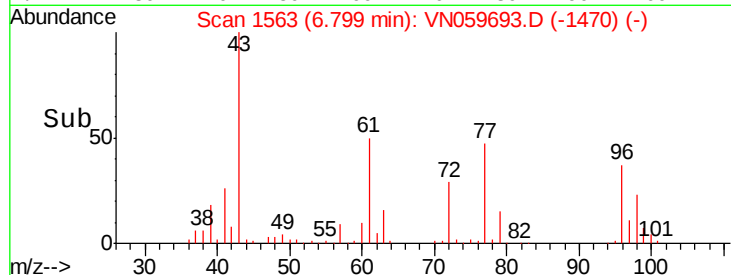
60000

40000

20000

0

Time-->



#26

2,2-Dichloropropane

Concen: 48.550 ug/l

RT: 6.79 min Scan# 1561

Delta R.T. -0.00 min

Lab File: VN059693.D

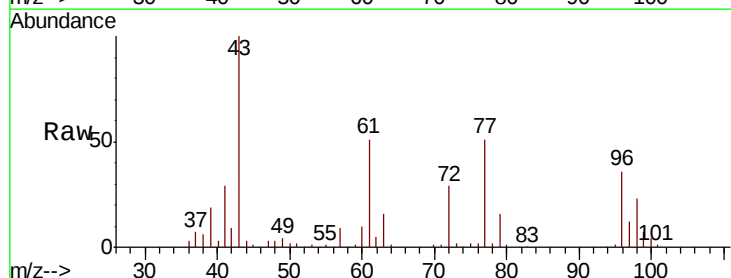
Acq: 13 Jan 2020 17:39

Tgt Ion: 77 Resp: 163890

Ion Ratio Lower Upper

77 100

97 23.1 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0

Ion 96.90 (96.60 to 97.60): VN0

6.79

60000

50000

40000

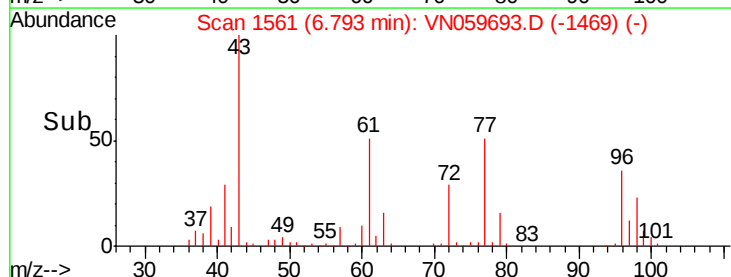
30000

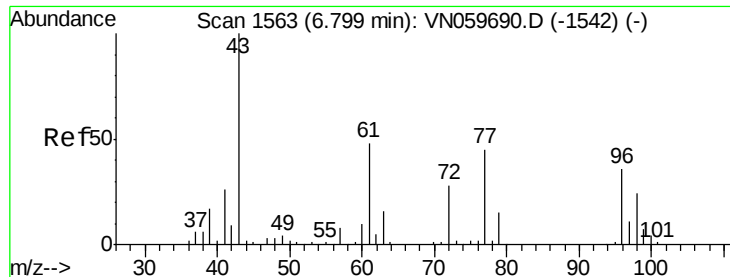
20000

10000

0

Time-->





#27

cis-1,2-Dichloroethene

Concen: 49.786 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

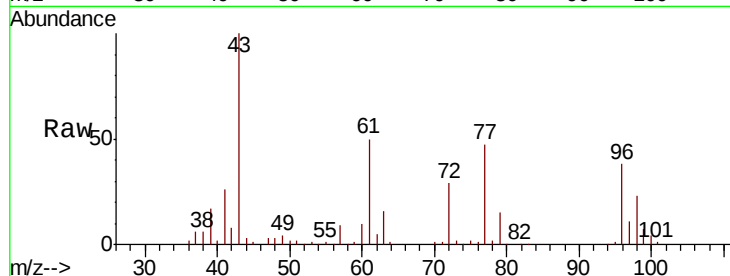
Tot Ion: 96 Resp: 114514

Ion Ratio Lower Upper

96 100

61 136.6 0.0 317.6

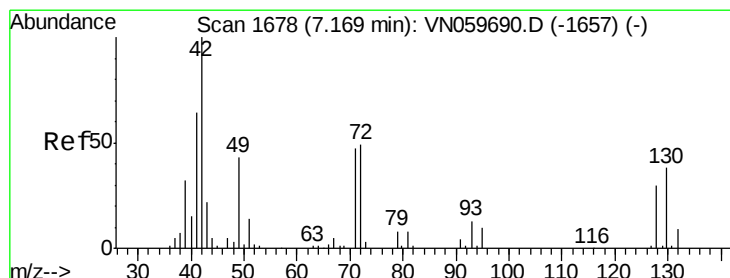
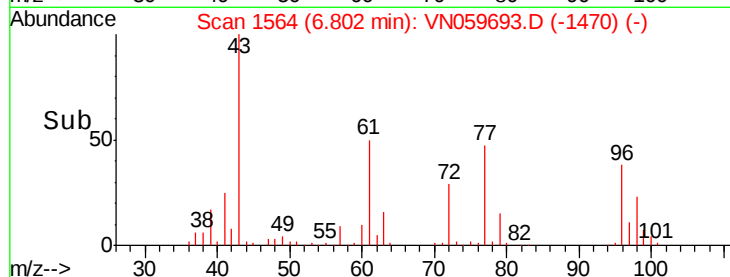
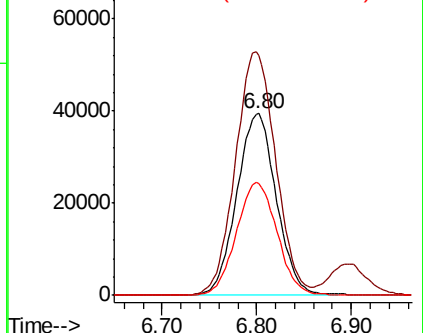
98 64.0 0.0 127.0



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 50.398 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

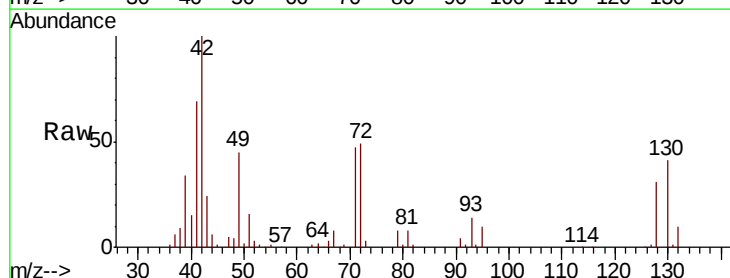
Tgt Ion: 49 Resp: 70729

Ion Ratio Lower Upper

49 100

129 1.1 0.0 3.4

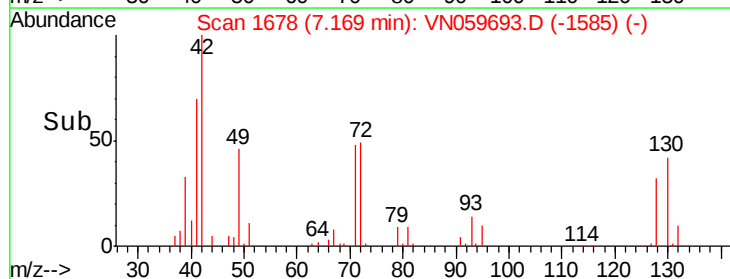
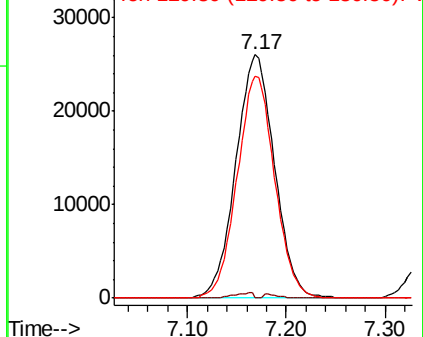
130 88.3 54.7 82.1#

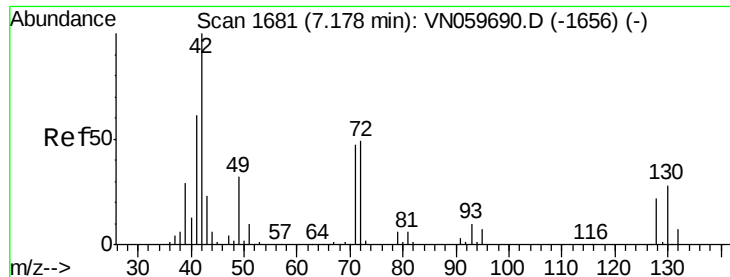


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

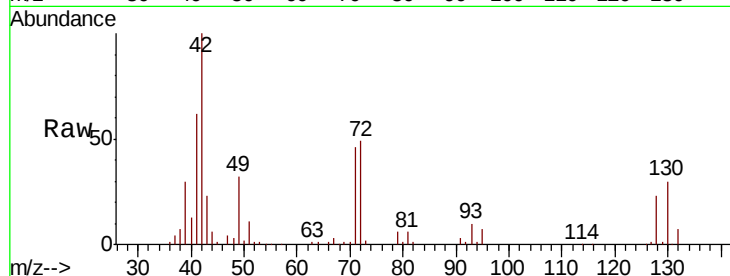




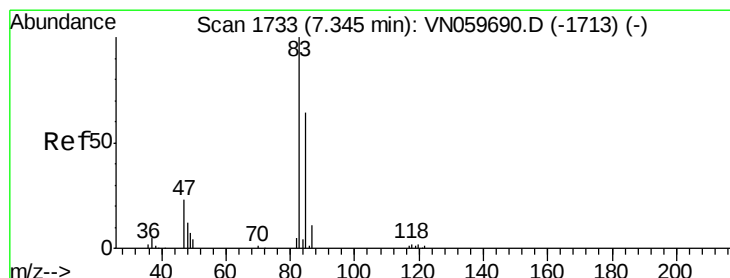
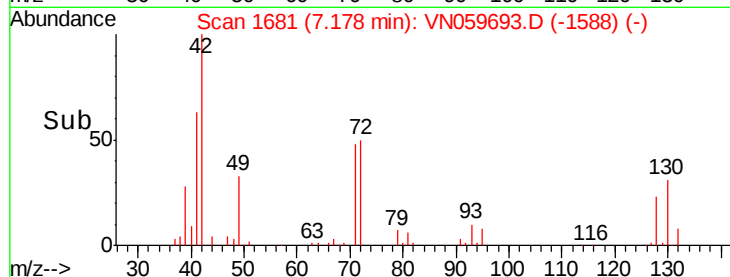
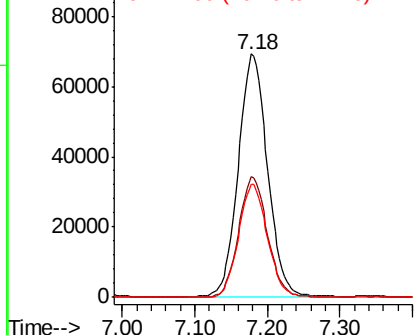
#29
Tetrahydrofuran
Concen: 244.800 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

Tot Ion: 42 Resp: 195869
Ion Ratio Lower Upper
42 100
72 48.5 33.1 49.7
71 45.6 31.4 47.0

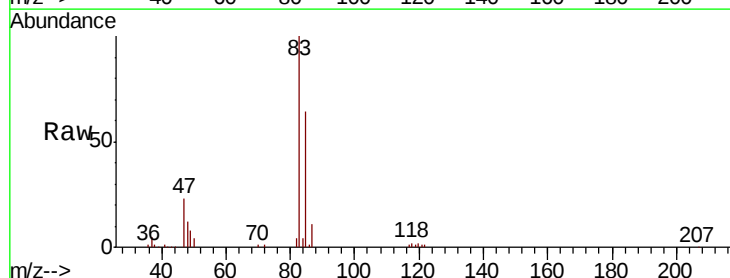


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

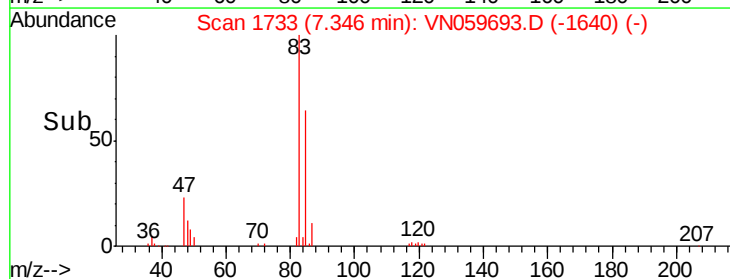
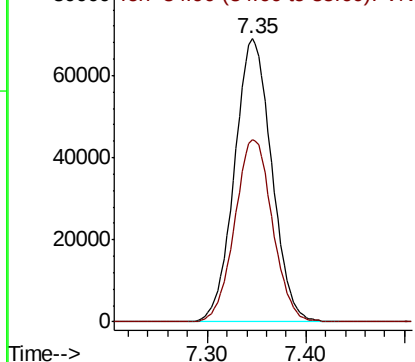


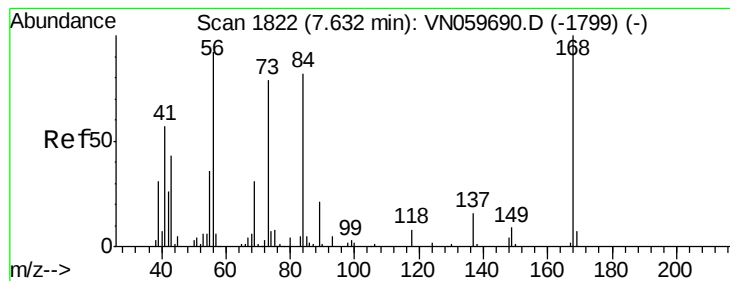
#30
Chloroform
Concen: 49.538 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 83 Resp: 180226
Ion Ratio Lower Upper
83 100
85 64.3 52.4 78.6



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





#31

Cyclohexane

Concen: 46.633 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

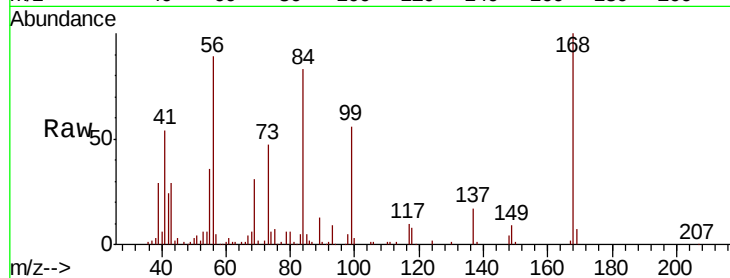
Tot Ion: 56 Resp: 157561

Ion Ratio Lower Upper

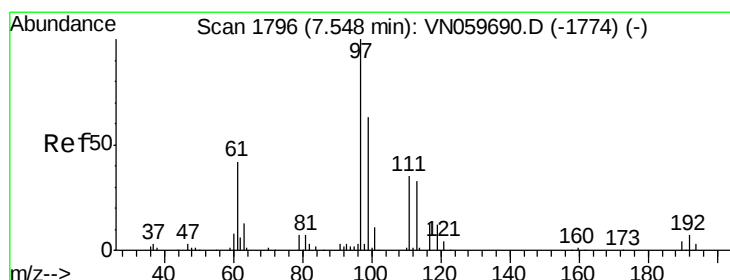
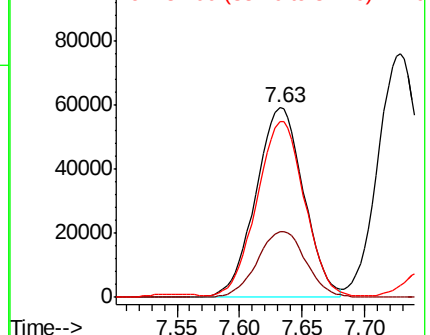
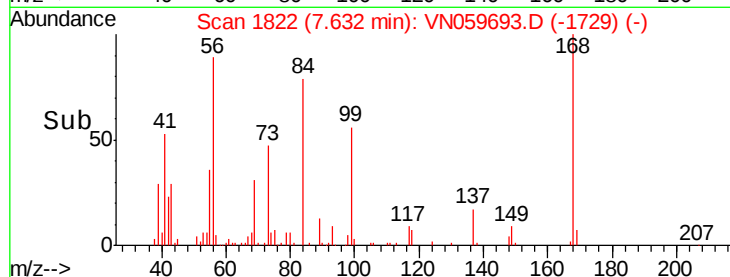
56 100

69 34.5 26.5 39.7

84 91.4 65.3 97.9



Abundance Ion 56.00 (55.70 to 56.70): VN059693.D (-1729) (-)



#32

1,1,1-Trichloroethane

Concen: 49.550 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

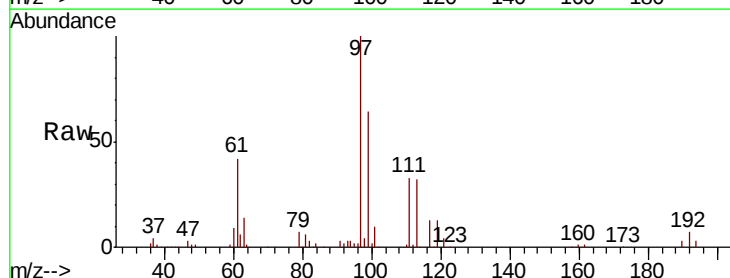
Tgt Ion: 97 Resp: 166680

Ion Ratio Lower Upper

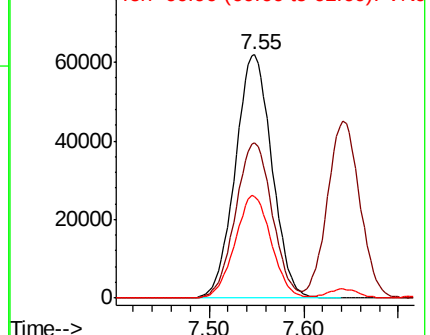
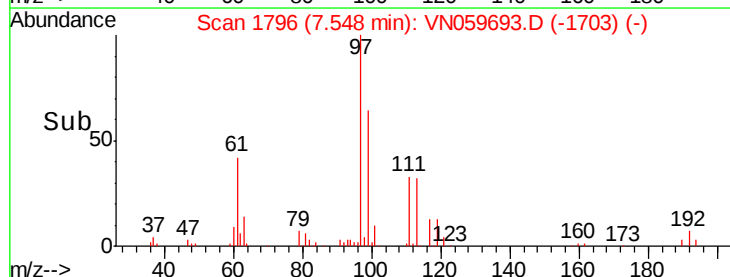
97 100

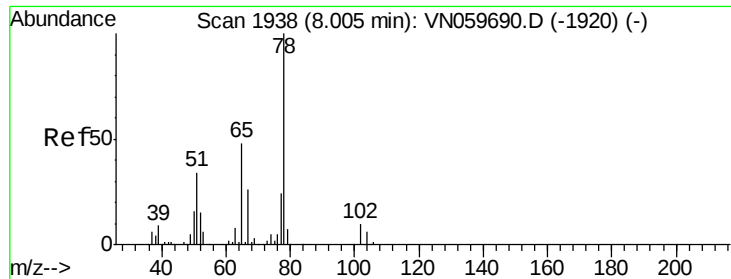
99 64.1 51.0 76.4

61 41.8 38.5 57.7



Abundance Ion 96.90 (96.60 to 97.60): VN059693.D (-1703) (-)

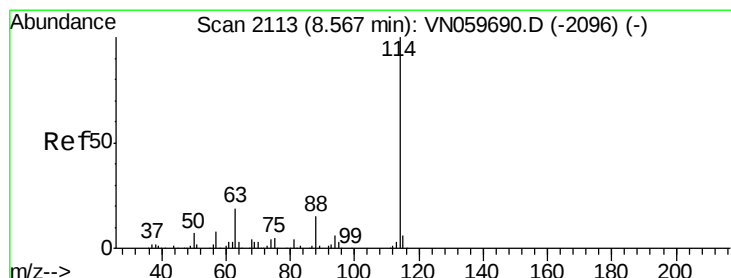
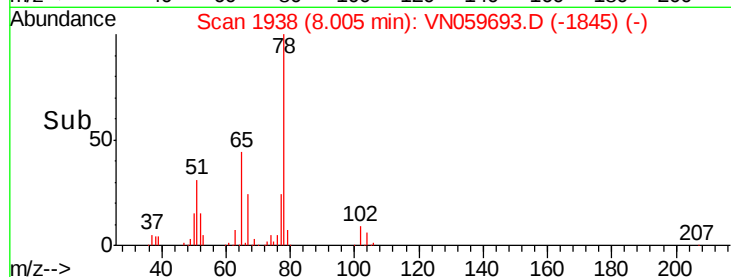
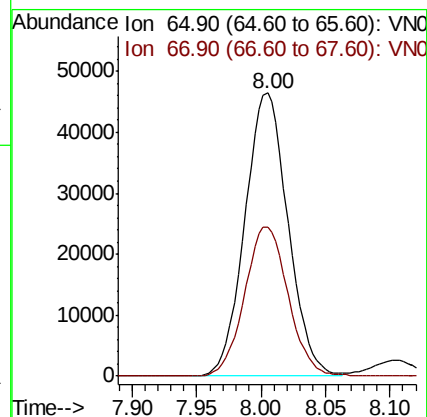
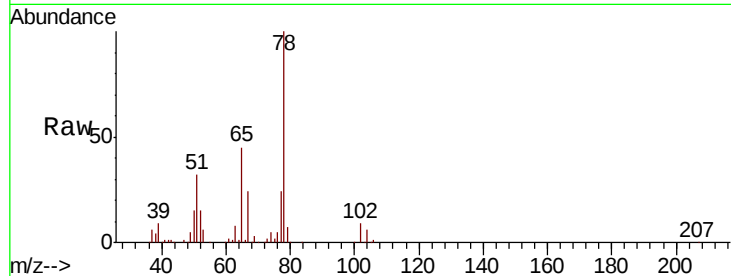




#33
 1,2-Dichloroethane-d4
 Concen: 47.408 ug/l
 RT: 8.00 min Scan# 1938
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

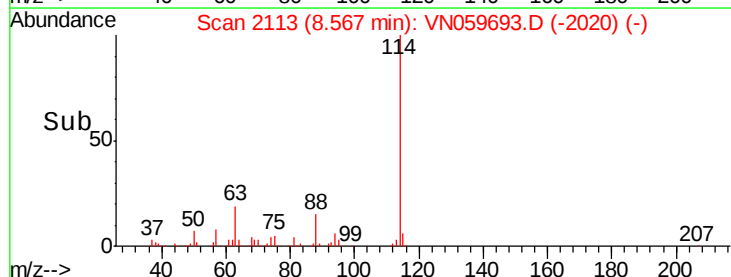
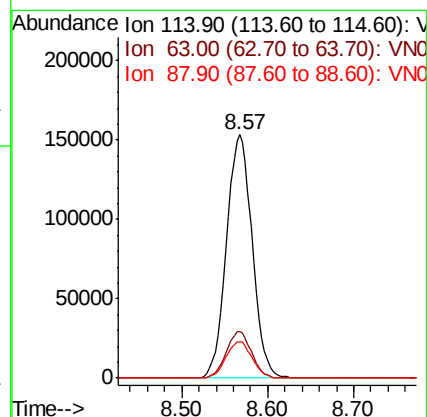
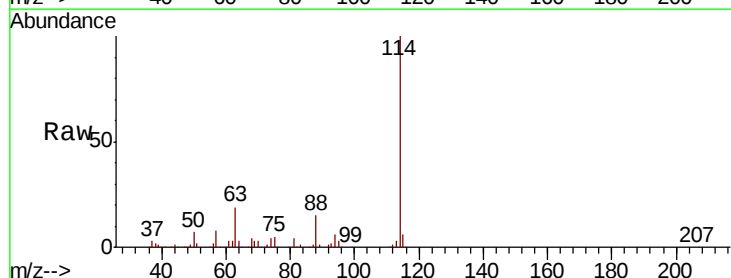
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

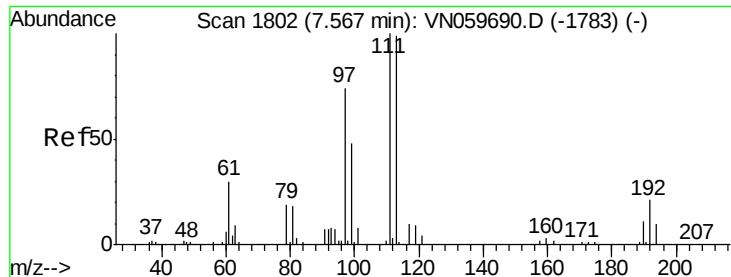
Tot Ion: 65 Resp: 108261
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion: 114 Resp: 318381
 Ion Ratio Lower Upper
 114 100
 63 19.3 0.0 43.6
 88 15.1 0.0 31.4

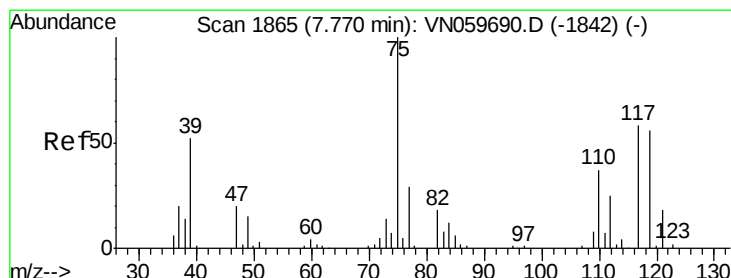
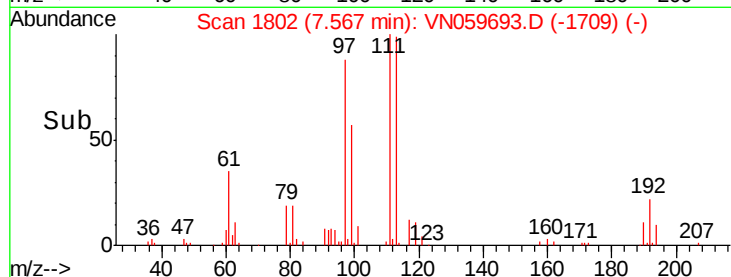
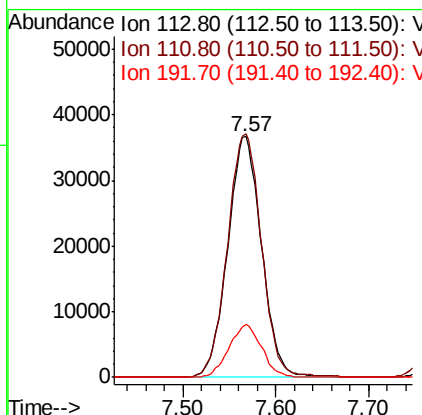
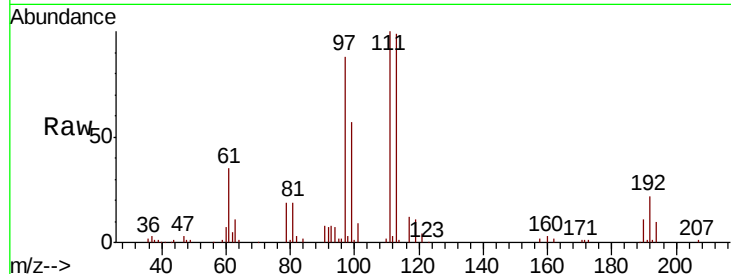




#35
 Dibromofluoromethane
 Concen: 48.828 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

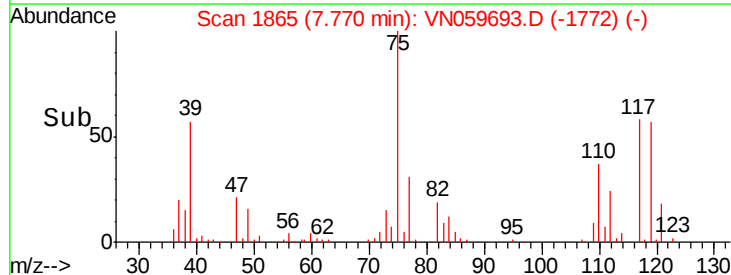
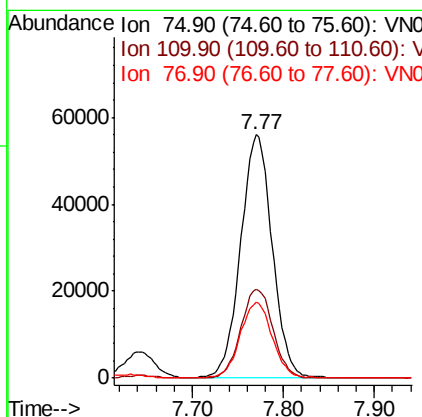
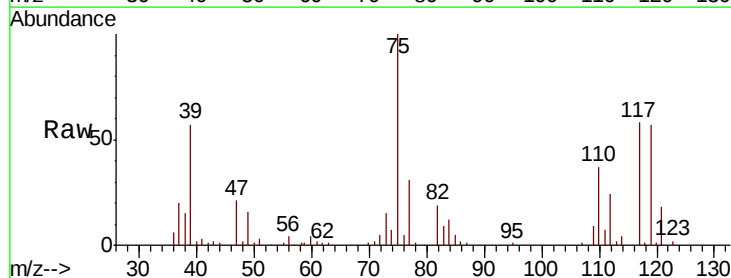
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

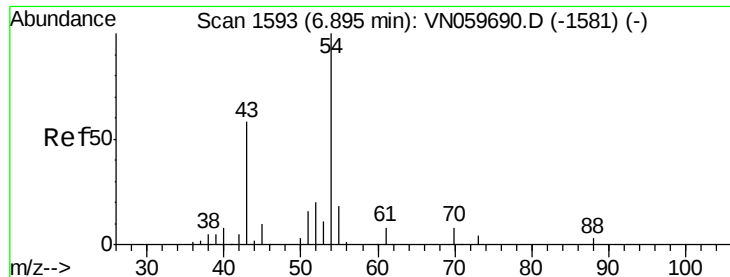
Tot Ion:113 Resp: 92707
 Ion Ratio Lower Upper
 113 100
 111 101.8 83.5 125.3
 192 21.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 48.922 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion: 75 Resp: 135639
 Ion Ratio Lower Upper
 75 100
 110 36.8 16.6 49.7
 77 31.6 25.1 37.7

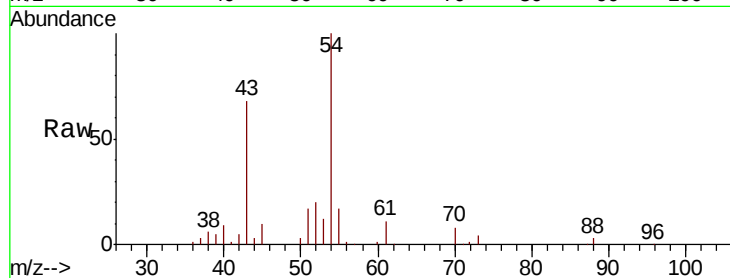




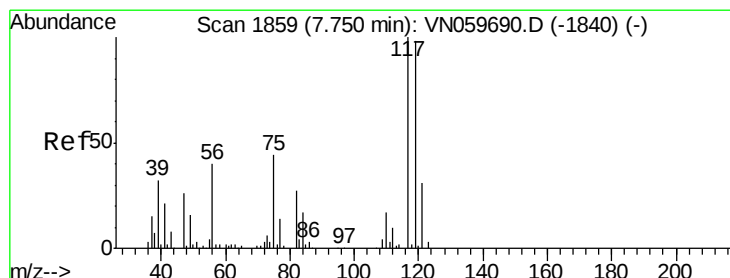
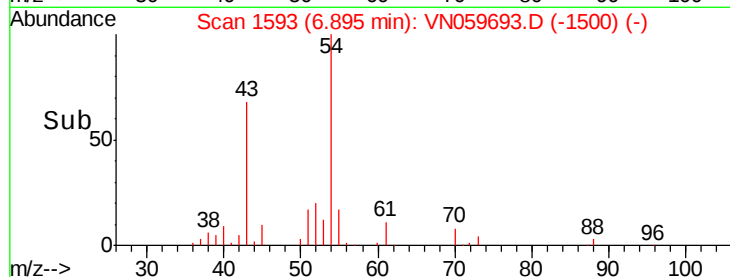
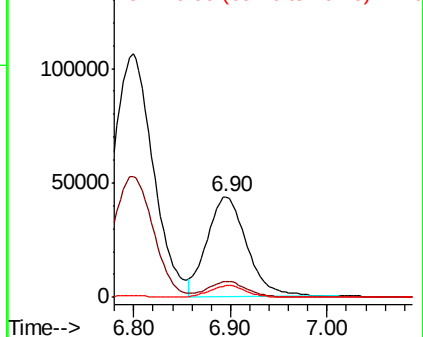
#37
Ethyl Acetate
Concen: 47.981 ug/l
RT: 6.90 min Scan# 1593
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampled :
ICVVN011320

Tot Ion: 43 Resp: 124772
Ion Ratio Lower Upper
43 100
61 15.5 10.9 16.3
70 11.2 7.7 11.5

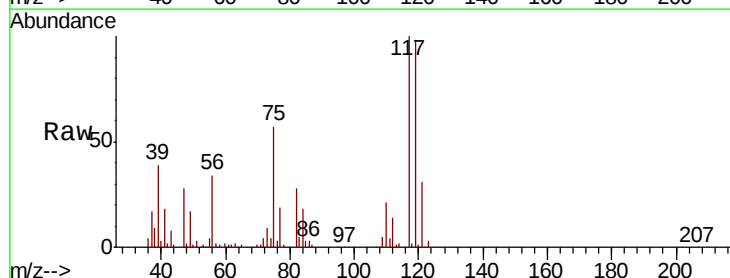


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

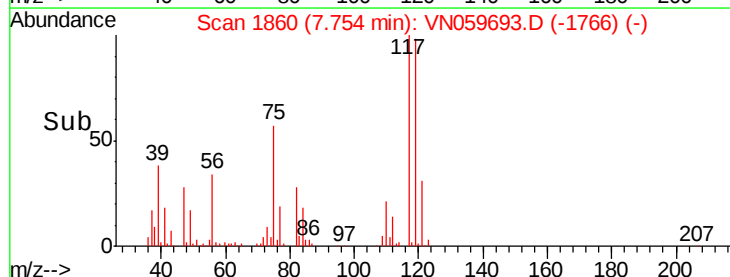
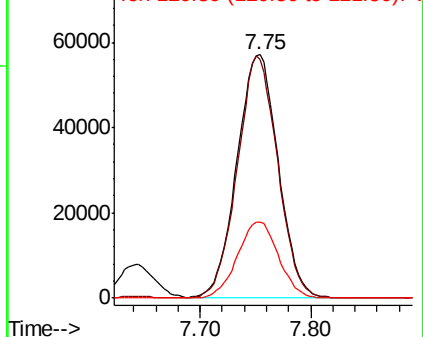


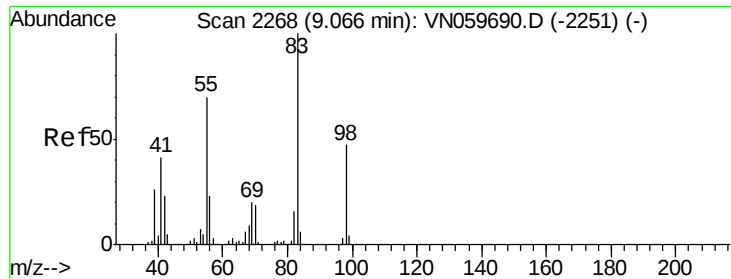
#38
Carbon Tetrachloride
Concen: 49.250 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 117 Resp: 148536
Ion Ratio Lower Upper
117 100
119 98.1 76.5 114.7
121 31.2 25.1 37.7



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

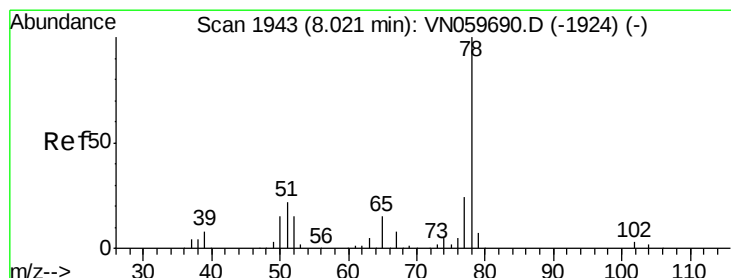
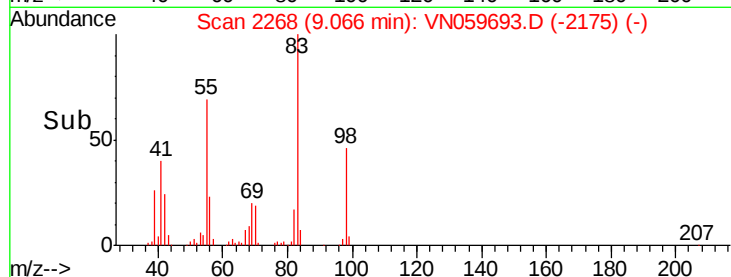
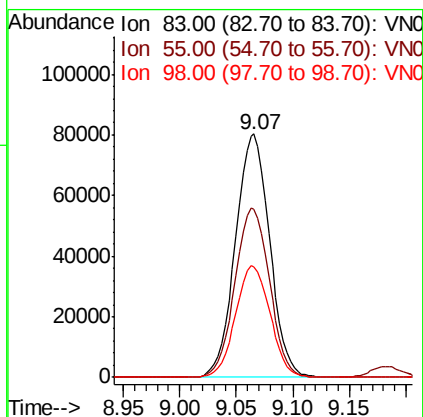
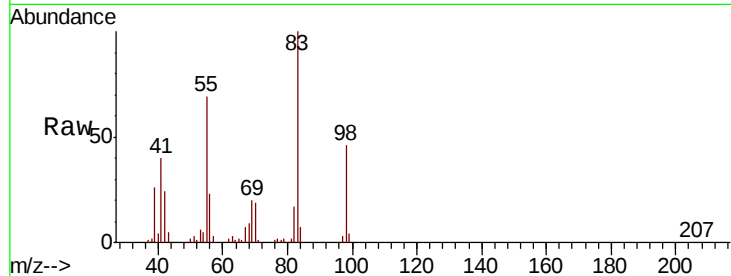




#39
Methvlcvclohexane
Concen: 49.550 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

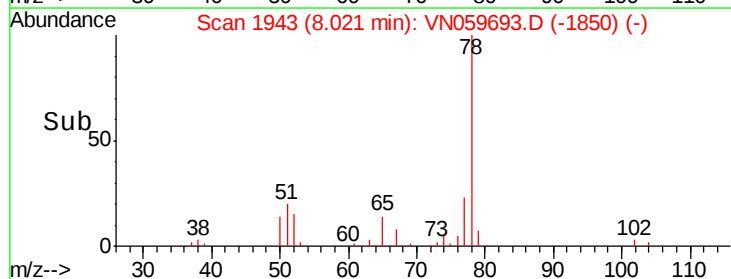
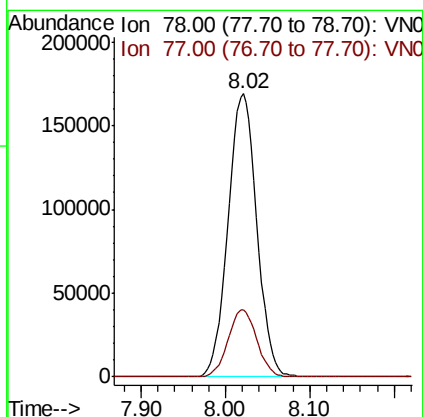
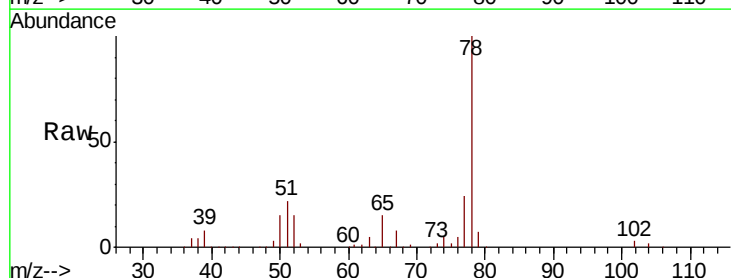
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

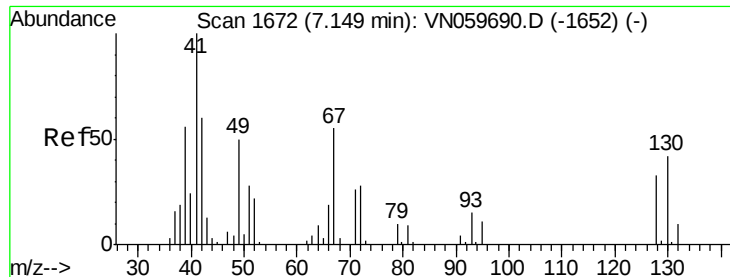
Tot Ion: 83 Resp: 169394
Ion Ratio Lower Upper
83 100
55 69.0 64.2 96.2
98 45.6 35.9 53.9



#40
Benzene
Concen: 48.482 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 78 Resp: 400891
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

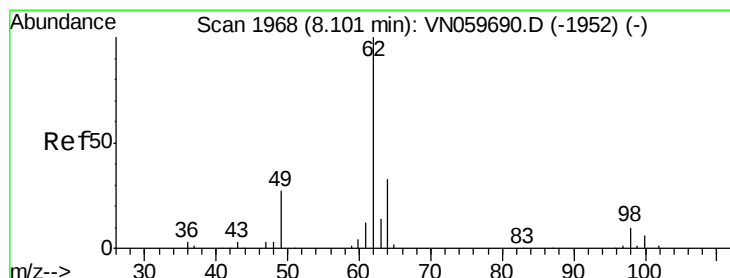
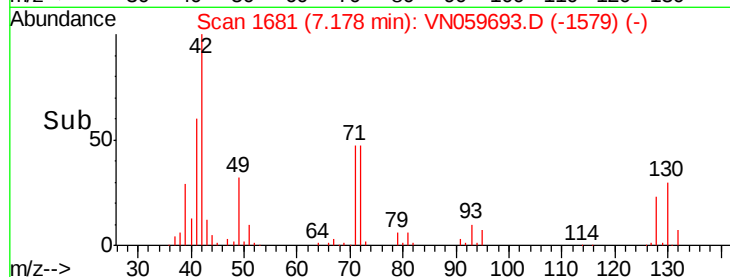
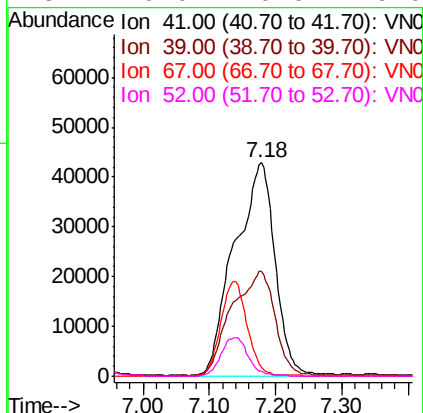
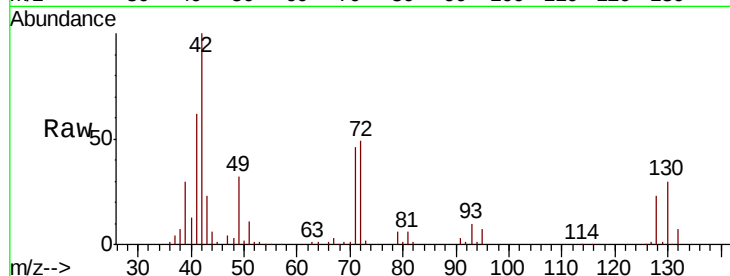




#41
Methacrylonitrile
Concen: 142.541 ug/l
RT: 7.18 min Scan# 1681
Delta R.T. 0.03 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

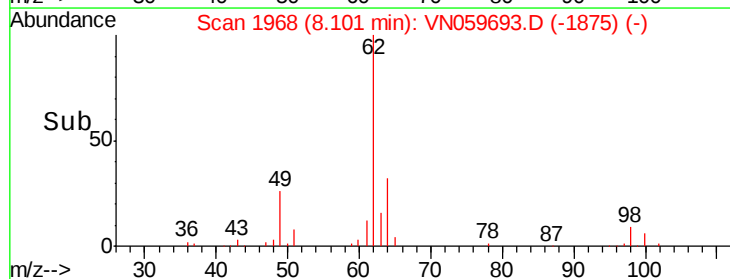
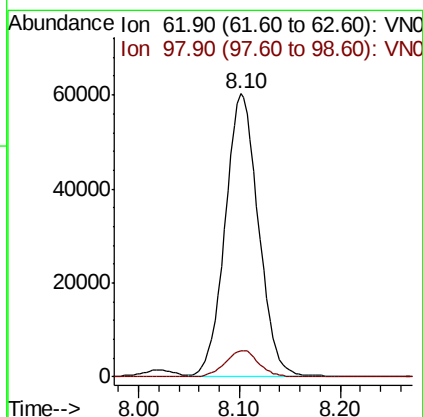
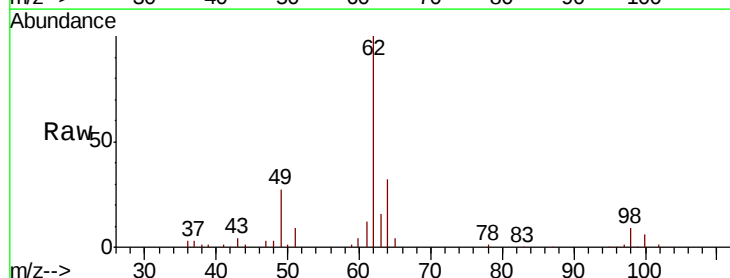
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

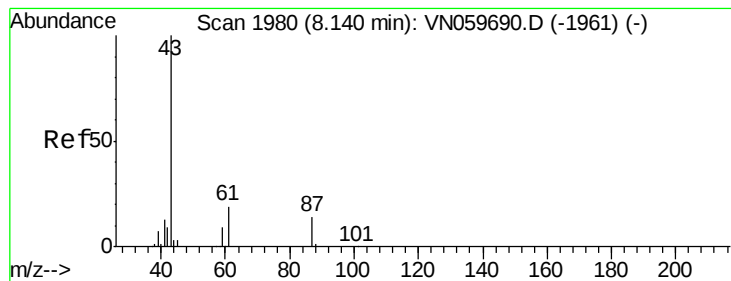
Tot Ion:	41	Resp:	182576
Ion	Ratio	Lower	Upper
41	100		
39	52.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 49.528 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion:	62	Resp:	138854
Ion	Ratio	Lower	Upper
62	100		
98	9.3	0.0	15.8





#43

Isopropyl Acetate

Concen: 48.596 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

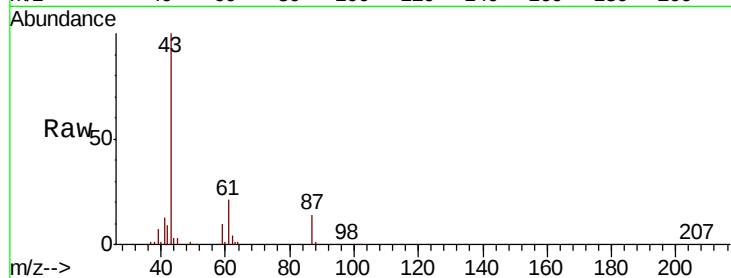
Tot Ion: 43 Resp: 217362

Ion Ratio Lower Upper

43 100

61 27.5 20.2 30.2

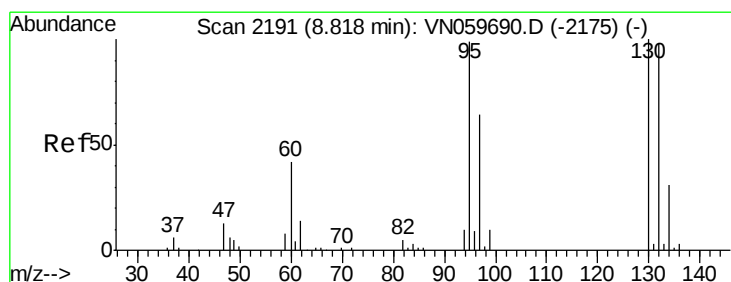
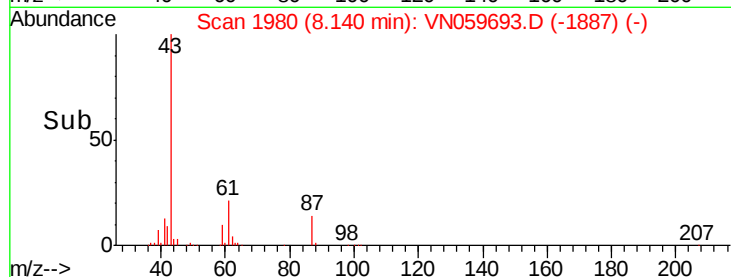
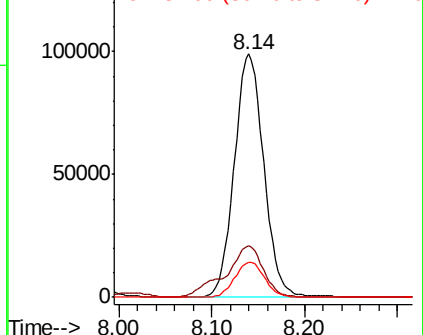
87 14.7 9.5 14.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059693.D (-1961) (-)

Ion 61.00 (60.70 to 61.70): VN059693.D (-1961) (-)

Ion 87.00 (86.70 to 87.70): VN059693.D (-1961) (-)



#44

Trichloroethene

Concen: 50.678 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059693.D

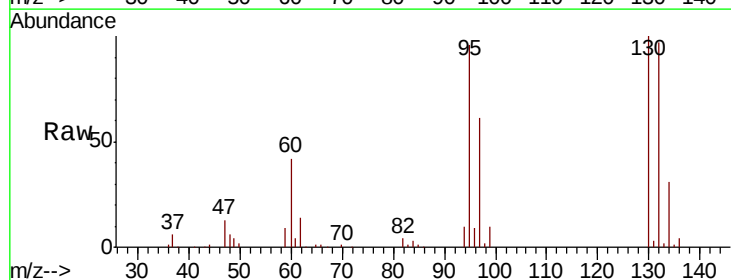
Acq: 13 Jan 2020 17:39

Tgt Ion:130 Resp: 114397

Ion Ratio Lower Upper

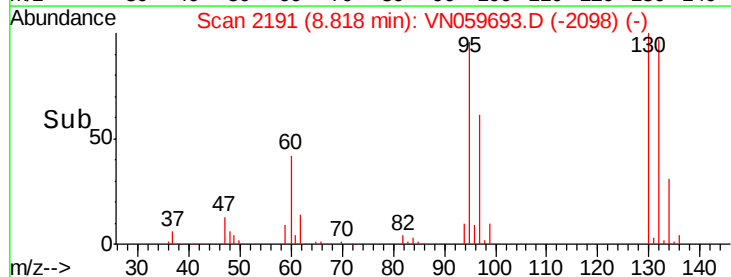
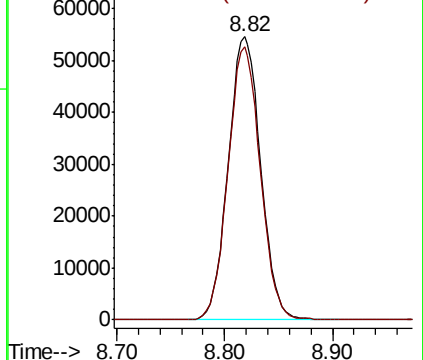
130 100

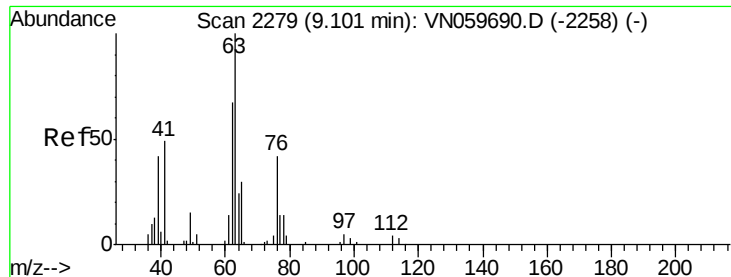
95 96.3 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059693.D (-2191) (-)

Ion 94.90 (94.60 to 95.60): VN059693.D (-2191) (-)

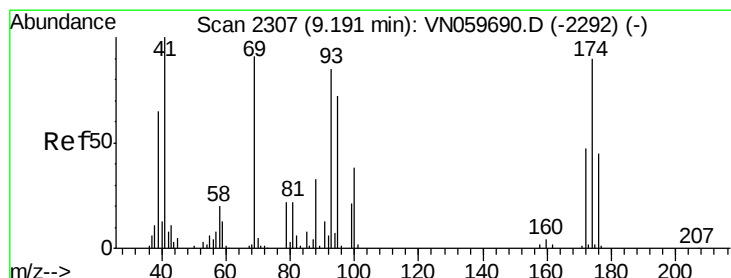
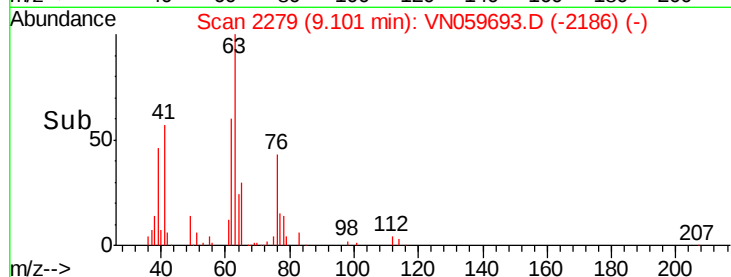
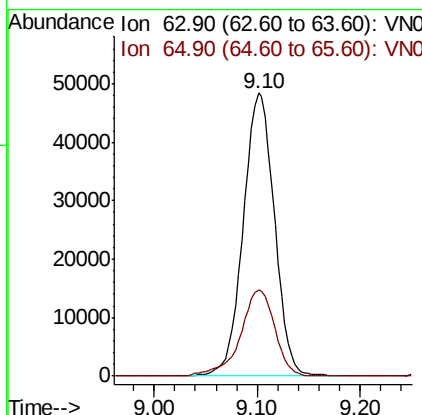
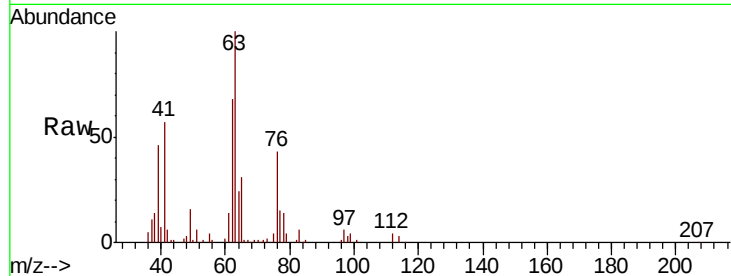




#45
 1,2-Dichloropropane
 Concen: 49.673 ug/l
 RT: 9.10 min Scan# 2279
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

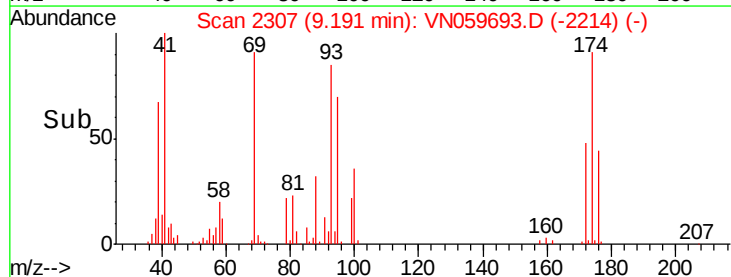
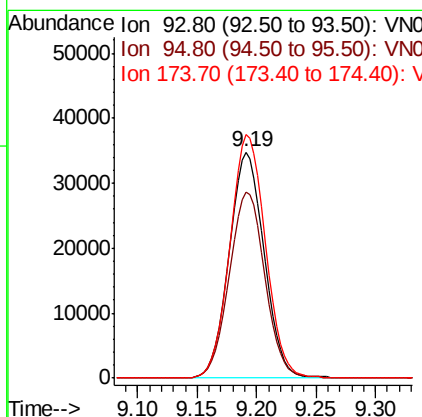
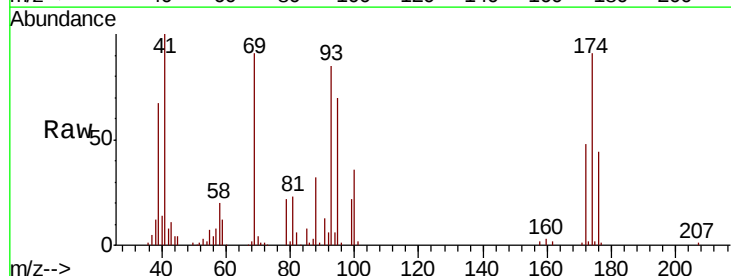
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

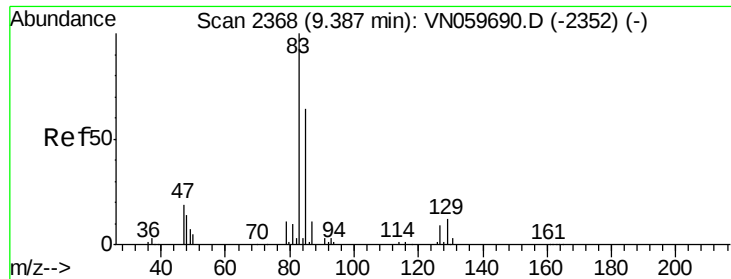
Tot Ion: 63 Resp: 101637
 Ion Ratio Lower Upper
 63 100
 65 30.6 24.9 37.3



#46
 Dibromomethane
 Concen: 49.154 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion: 93 Resp: 70946
 Ion Ratio Lower Upper
 93 100
 95 84.0 67.0 100.6
 174 109.0 73.4 110.2





#47

Bromodichloromethane

Concen: 49.276 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

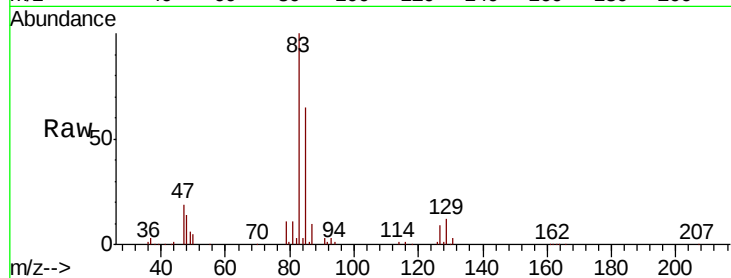
Tot Ion: 83 Resp: 143325

Ion Ratio Lower Upper

83 100

85 65.2 51.1 76.7

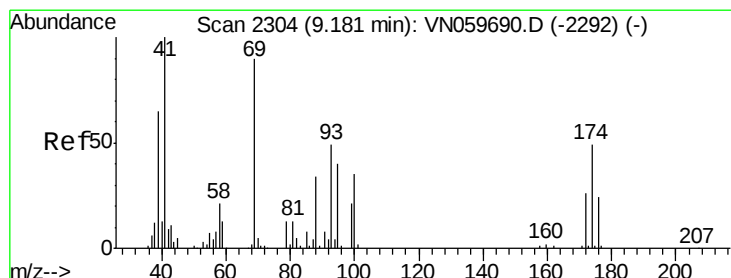
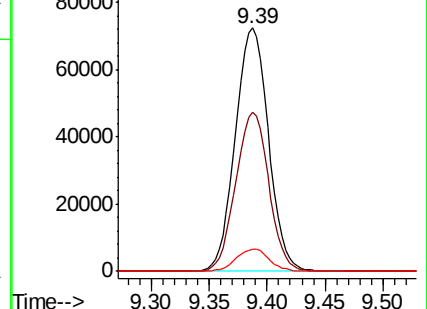
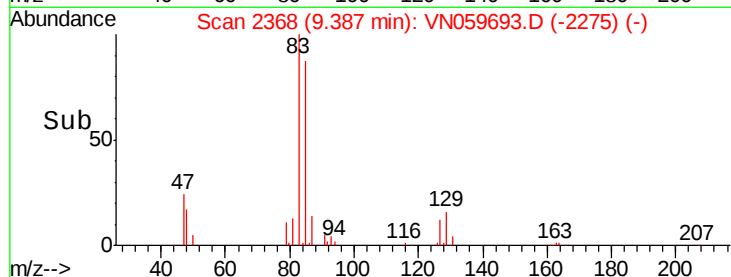
127 9.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059693.D (-2275) (-)

Ion 84.90 (84.60 to 85.60): VN059693.D (-2275) (-)

Ion 126.80 (126.50 to 127.50): VN059693.D (-2275) (-)



#48

Methyl methacrylate

Concen: 49.306 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

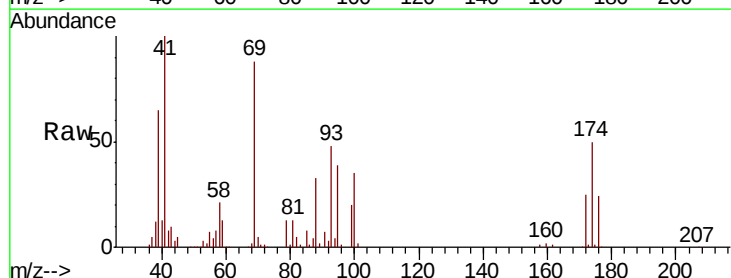
Tgt Ion: 41 Resp: 98646

Ion Ratio Lower Upper

41 100

69 93.1 64.4 96.6

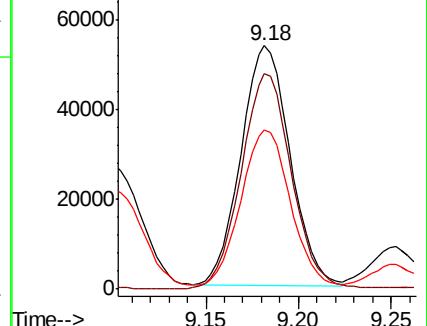
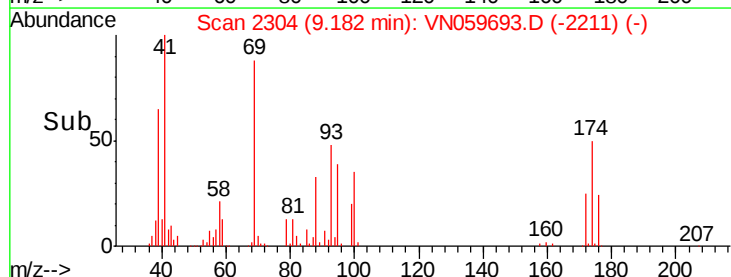
39 65.2 51.3 76.9

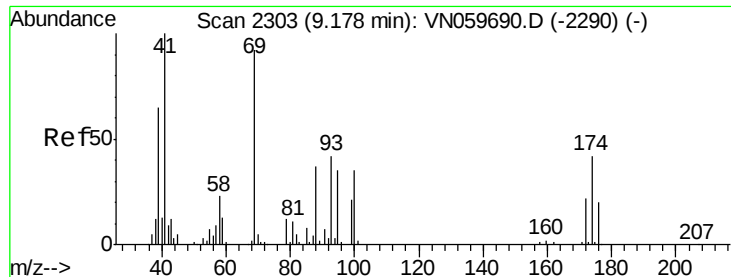


Abundance Ion 41.00 (40.70 to 41.70): VN059693.D (-2211) (-)

Ion 69.00 (68.70 to 69.70): VN059693.D (-2211) (-)

Ion 39.00 (38.70 to 39.70): VN059693.D (-2211) (-)

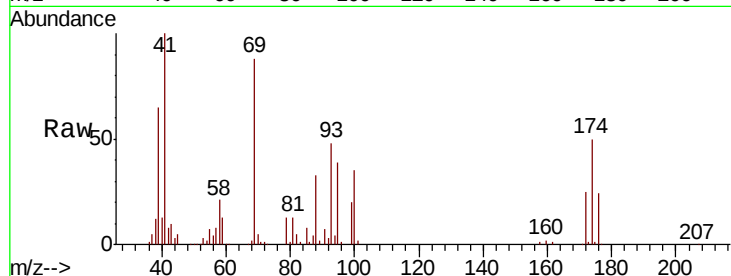




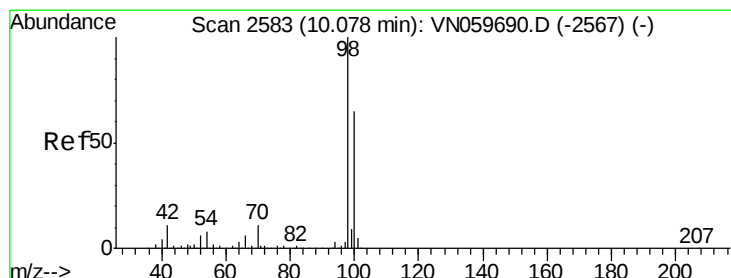
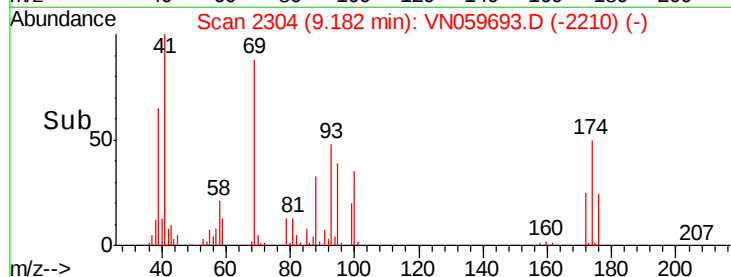
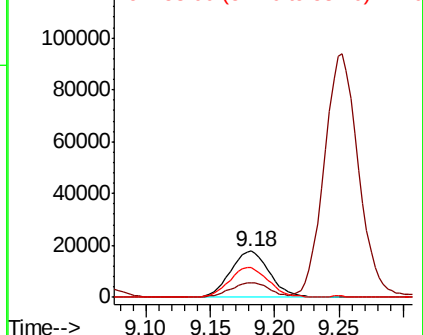
#49
1,4-Dioxane
Concen: 1022.318 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

Tot Ion: 88 Resp: 37443
Ion Ratio Lower Upper
88 100
43 29.5 29.7 44.5#
58 64.7 56.6 85.0

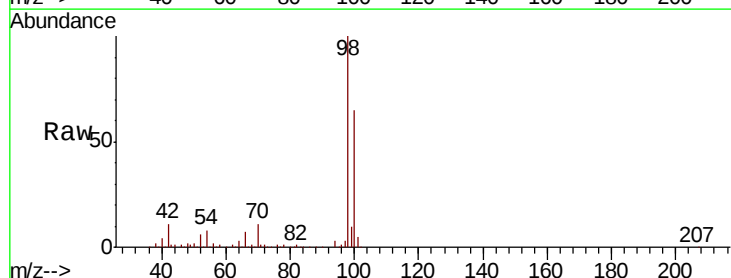


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

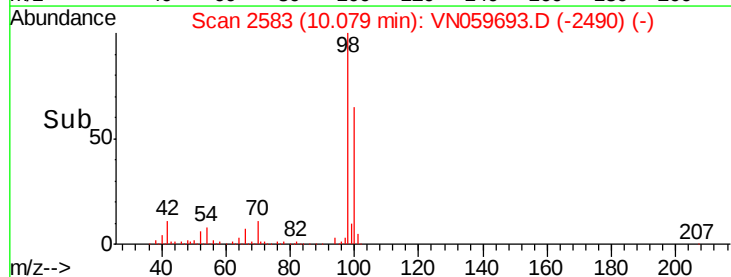
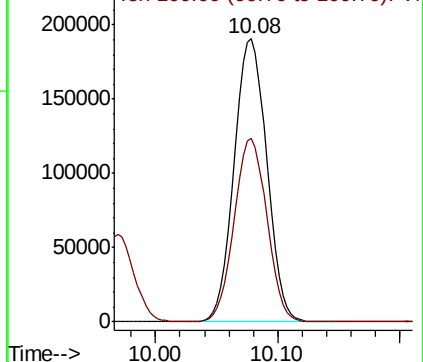


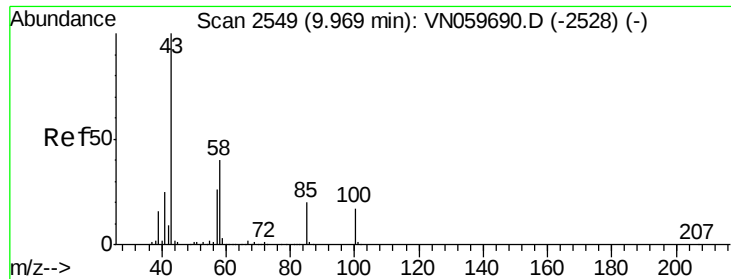
#50
Toluene-d8
Concen: 48.210 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 98 Resp: 354645
Ion Ratio Lower Upper
98 100
100 64.9 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 246.314 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

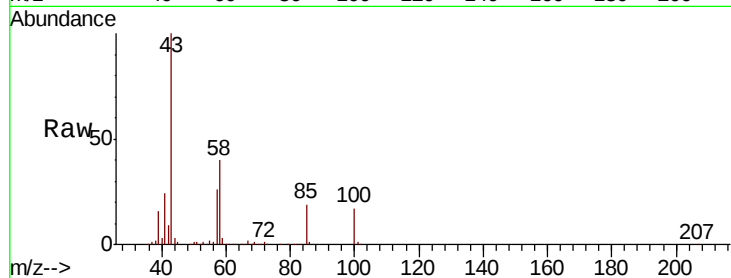
ICVVN011320

Tot Ion: 43 Resp: 636874

Ion Ratio Lower Upper

43 100

58 40.0 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059690.D (-2528) (-)

Ion 58.00 (57.70 to 58.70): VN059690.D (-2528) (-)

9.97

400000

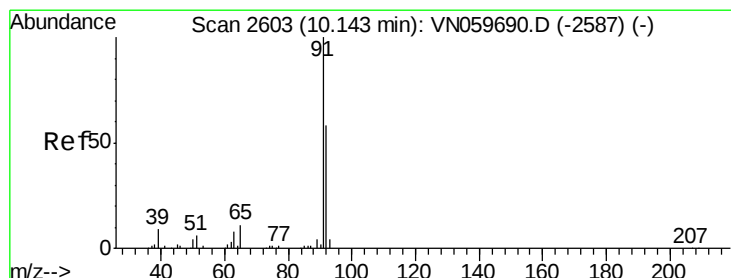
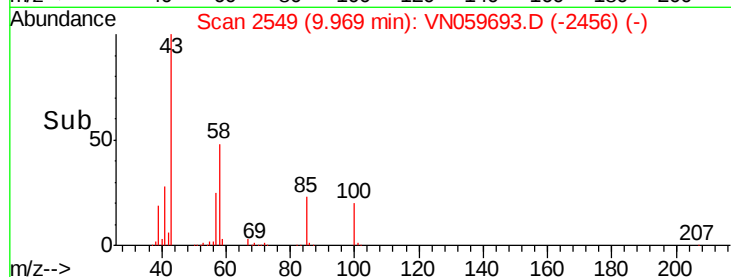
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 49.361 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. 0.00 min

Lab File: VN059693.D

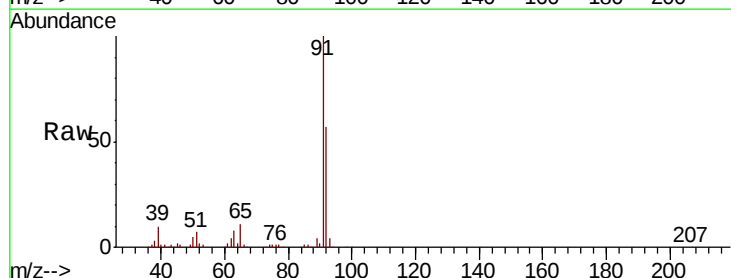
Acq: 13 Jan 2020 17:39

Tgt Ion: 92 Resp: 257809

Ion Ratio Lower Upper

92 100

91 174.2 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059690.D (-2587) (-)

Ion 91.00 (90.70 to 91.70): VN059690.D (-2587) (-)

10.14

300000

250000

200000

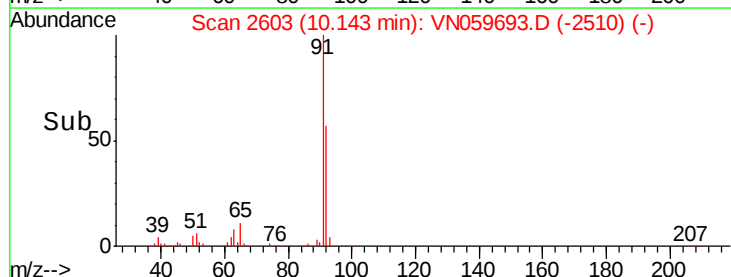
150000

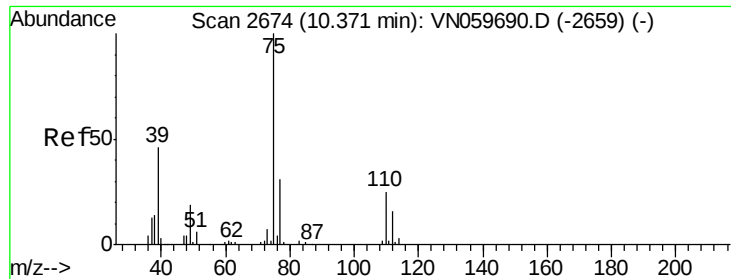
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 50.645 ug/l

RT: 10.37 min Scan# 2674

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampled :

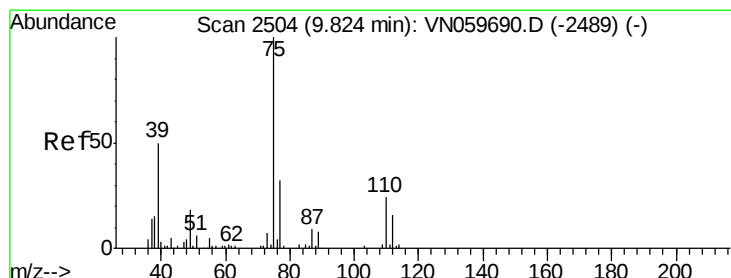
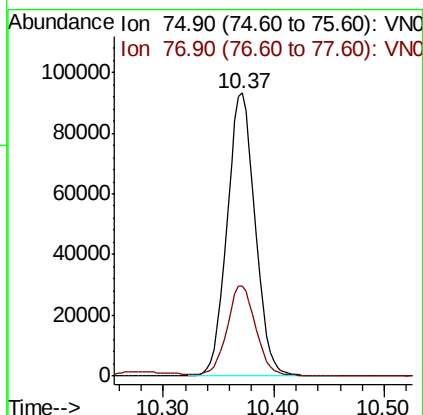
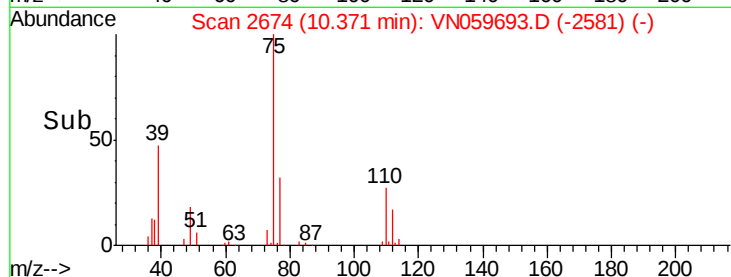
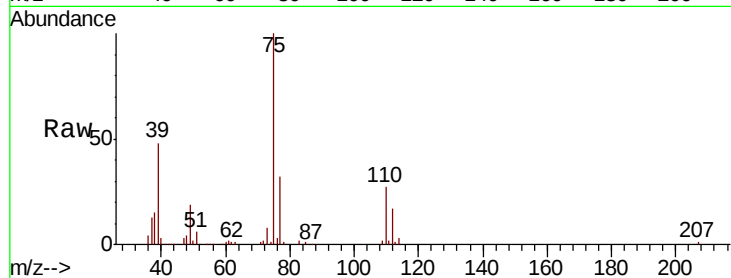
ICVVN011320

Tot Ion: 75 Resp: 164479

Ion Ratio Lower Upper

75 100

77 31.6 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 50.452 ug/l

RT: 9.82 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

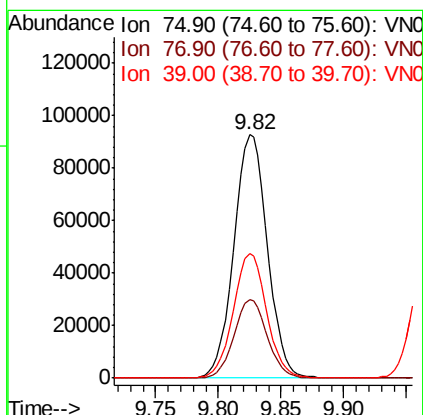
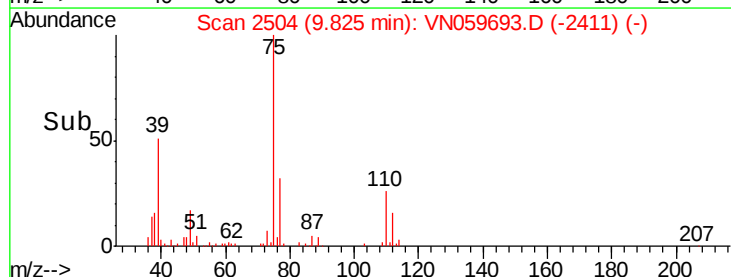
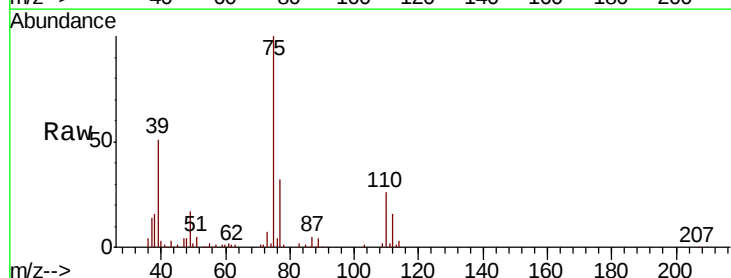
Tgt Ion: 75 Resp: 172404

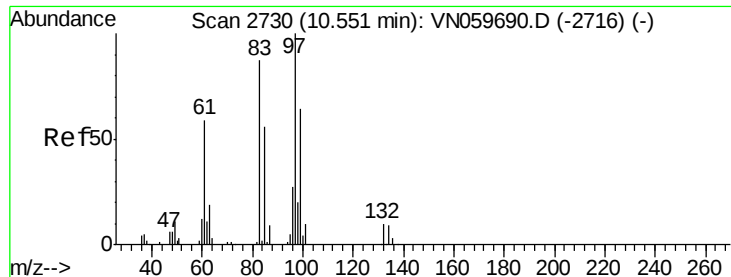
Ion Ratio Lower Upper

75 100

77 32.5 25.1 37.7

39 51.2 46.1 69.1

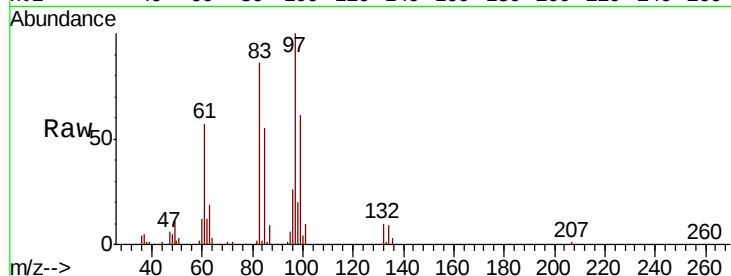




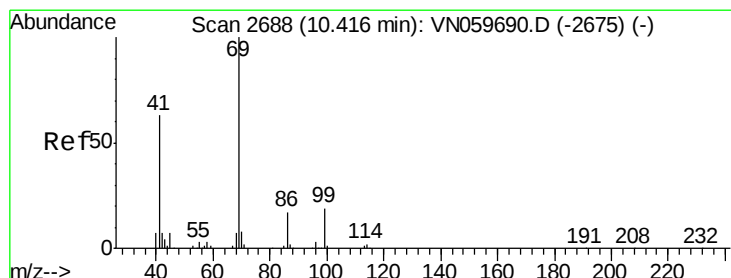
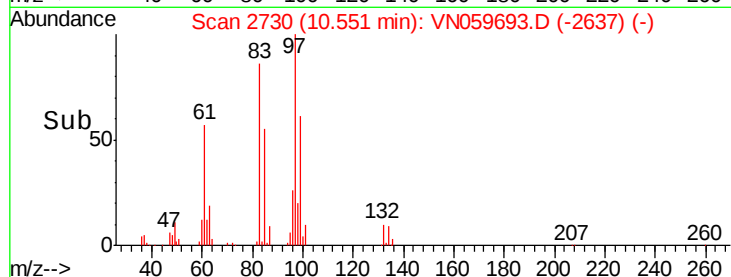
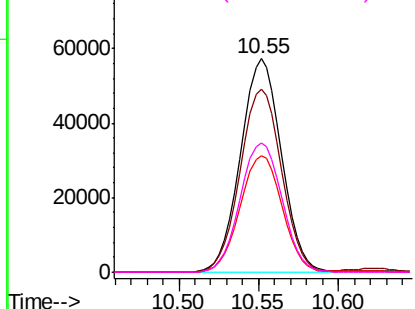
#55
 1,1,2-Trichloroethane
 Concen: 48.502 ug/l
 RT: 10.55 min Scan# 2730
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

Tot Ion: 97 Resp: 100332
 Ion Ratio Lower Upper
 97 100
 83 85.8 71.3 106.9
 85 54.8 45.8 68.8
 99 60.7 50.0 75.0

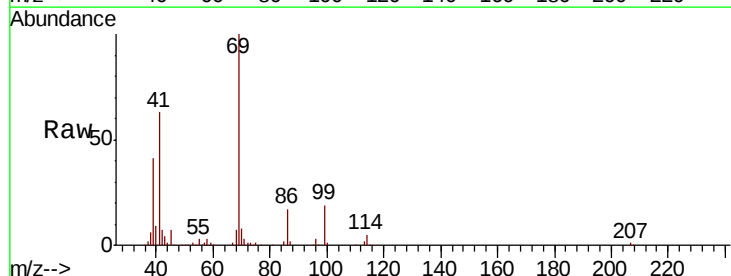


Abundance Ion 96.90 (96.60 to 97.60): VN0
 Ion 82.90 (82.60 to 83.60): VN0
 Ion 84.90 (84.60 to 85.60): VN0
 Ion 98.90 (98.60 to 99.60): VN0

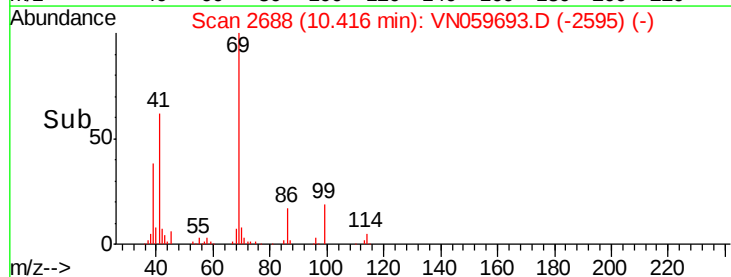
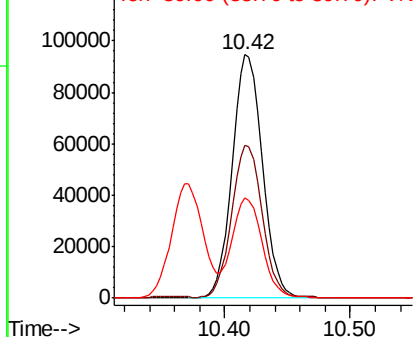


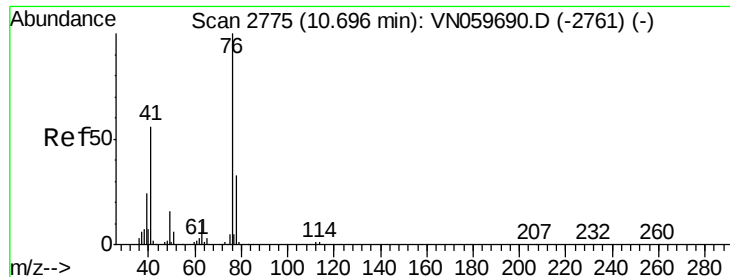
#56
 Ethyl methacrylate
 Concen: 50.334 ug/l
 RT: 10.42 min Scan# 2688
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion: 69 Resp: 159098
 Ion Ratio Lower Upper
 69 100
 41 62.8 57.1 85.7
 39 41.2 34.7 52.1



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: 50.382 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampled :

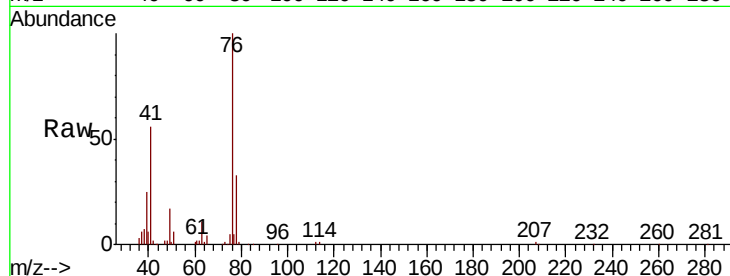
ICVVN011320

Tot Ion: 76 Resp: 165464

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

80000

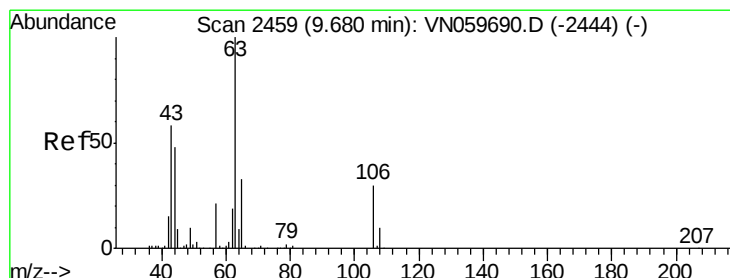
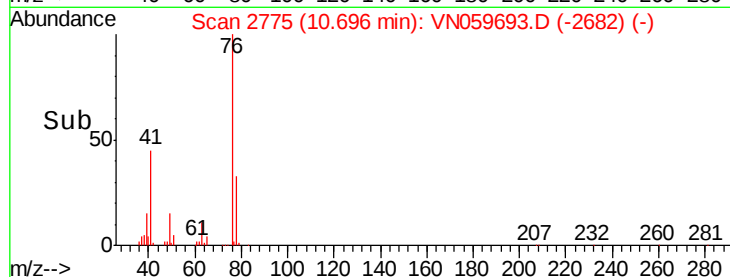
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 254.373 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. 0.00 min

Lab File: VN059693.D

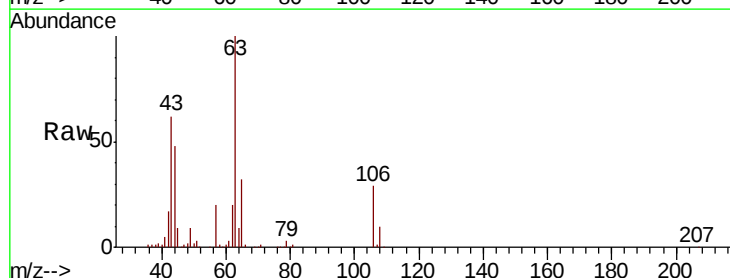
Acq: 13 Jan 2020 17:39

Tgt Ion: 63 Resp: 242176

Ion Ratio Lower Upper

63 100

106 29.2 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.68

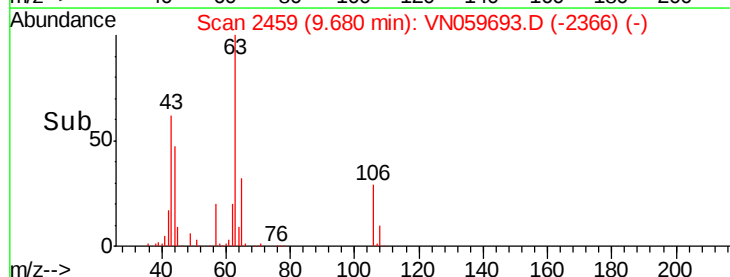
150000

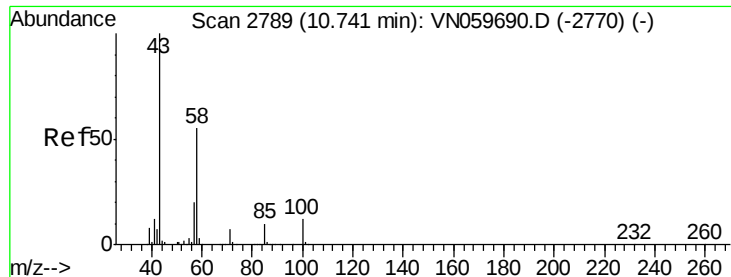
100000

50000

0

Time--> 9.60 9.70 9.80

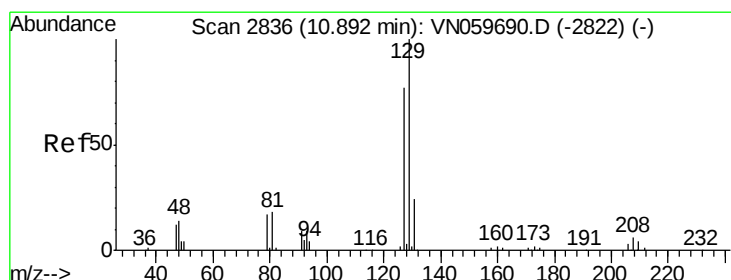
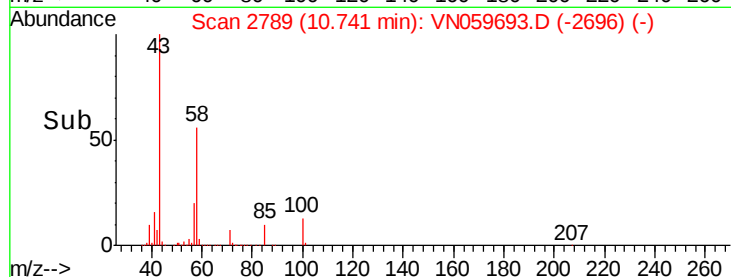
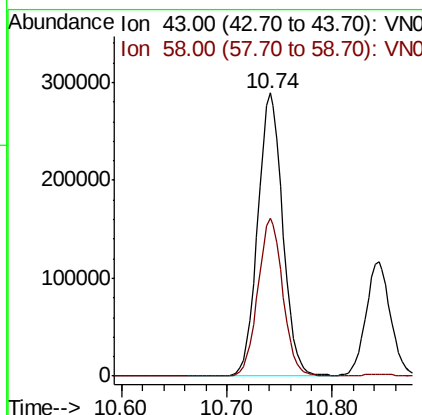
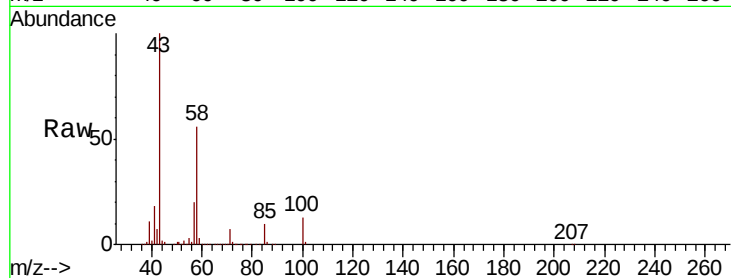




#59
2-Hexanone
Concen: 250.730 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

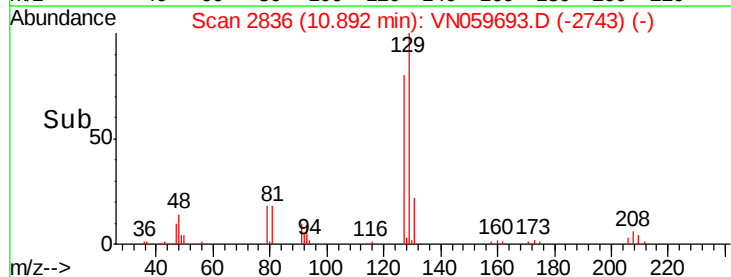
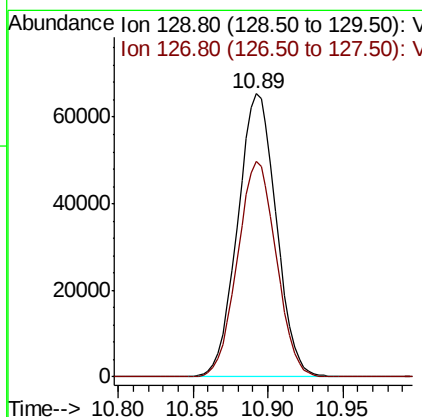
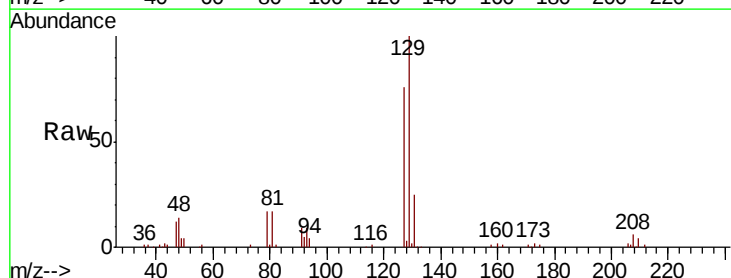
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

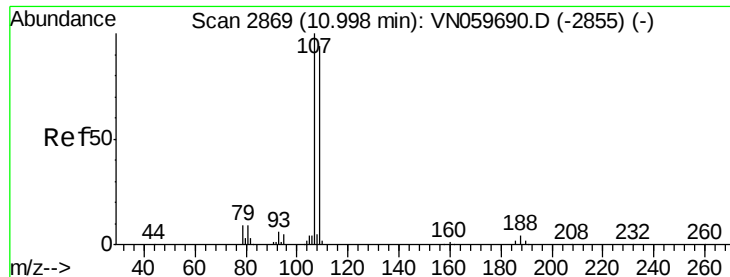
Tot Ion: 43 Resp: 477600
Ion Ratio Lower Upper
43 100
58 55.8 25.8 77.3



#60
Dibromochloromethane
Concen: 49.822 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 129 Resp: 117363
Ion Ratio Lower Upper
129 100
127 76.5 38.5 115.5

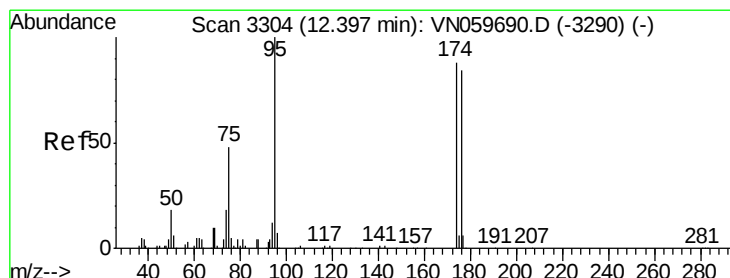
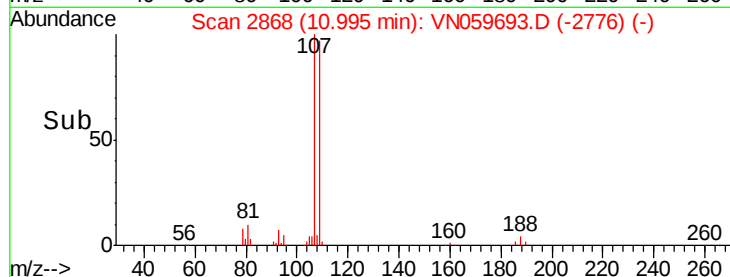
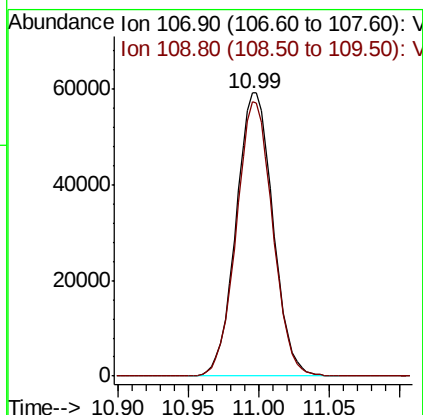
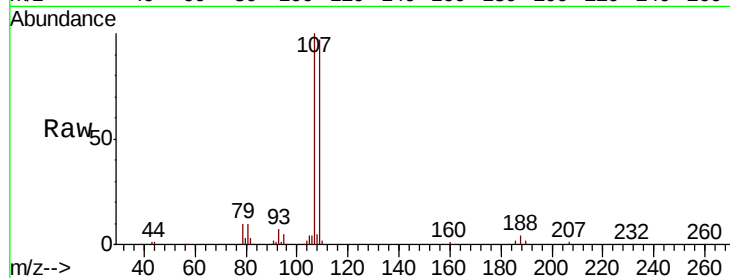




#61
 1,2-Dibromoethane
 Concen: 49.957 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

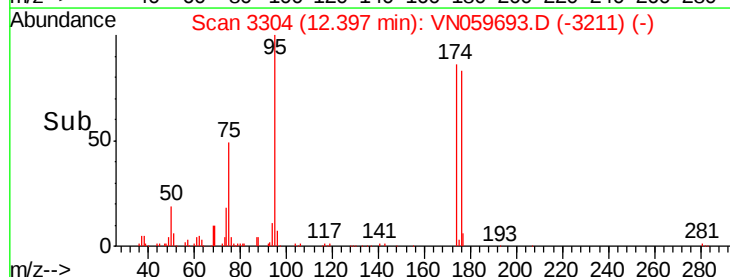
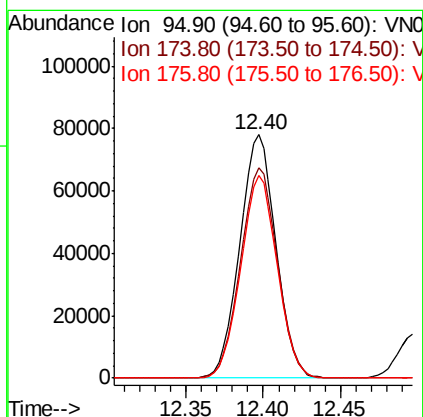
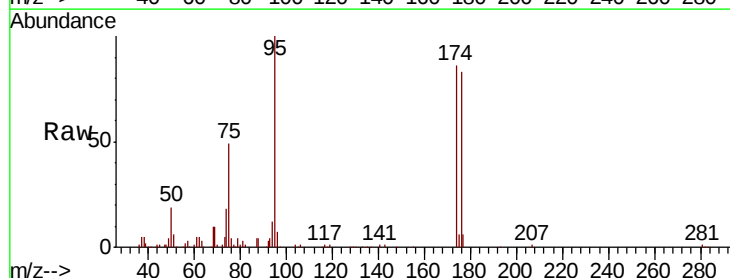
Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

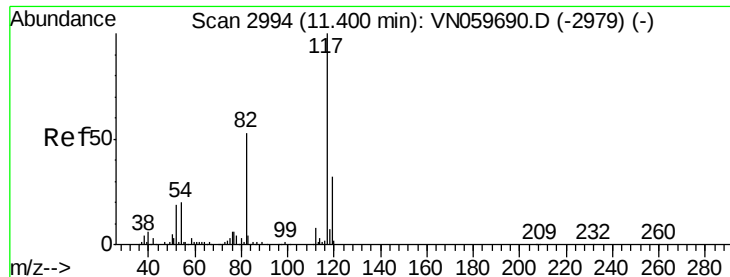
Tot Ion:107 Resp: 108313
 Ion Ratio Lower Upper
 107 100
 109 95.3 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 47.835 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion: 95 Resp: 126855
 Ion Ratio Lower Upper
 95 100
 174 88.3 0.0 151.4
 176 84.1 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2994

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

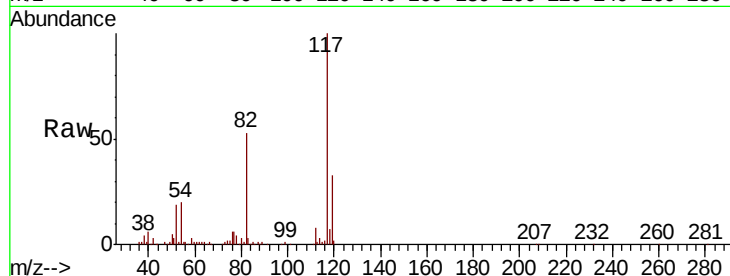
Tot Ion:117 Resp: 287332

Ion Ratio Lower Upper

117 100

82 52.9 45.9 68.9

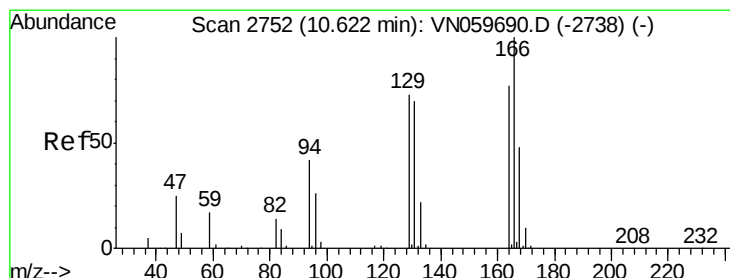
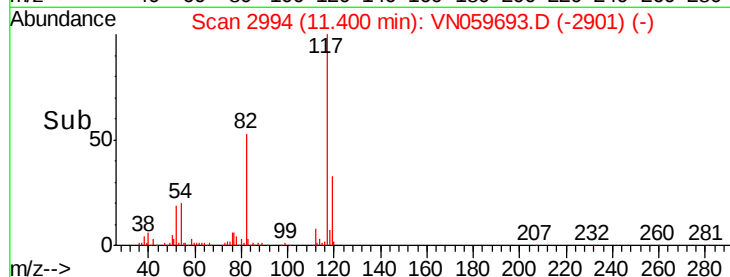
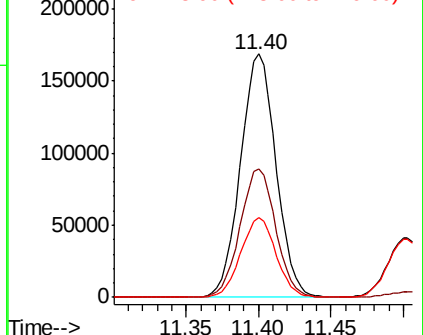
119 32.5 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 43.911 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Tgt Ion:164 Resp: 102831

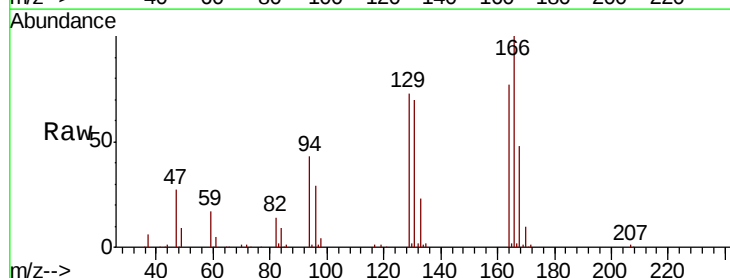
Ion Ratio Lower Upper

164 100

166 130.7 101.4 152.0

129 95.0 80.2 120.4

131 91.0 75.0 112.4

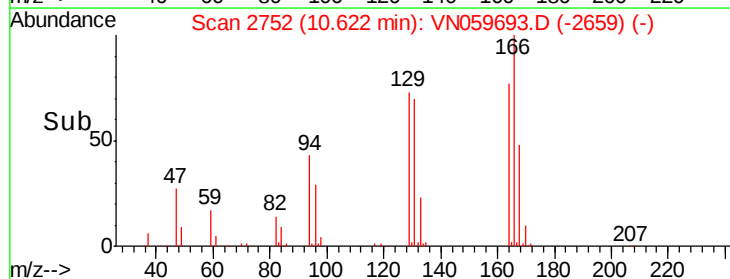
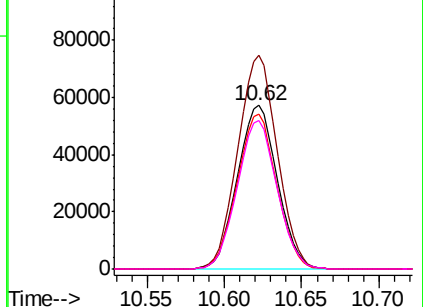


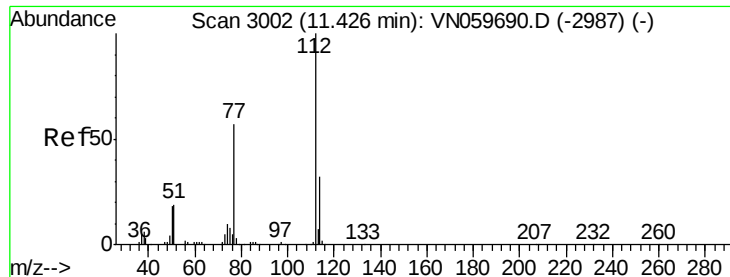
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

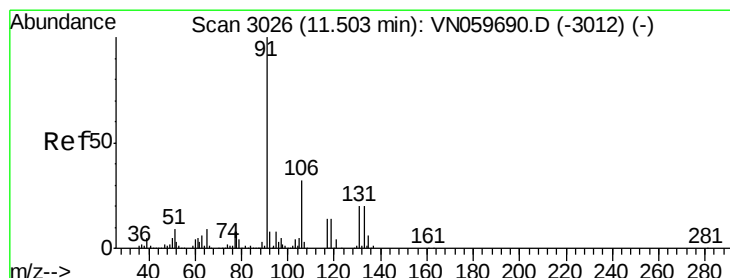
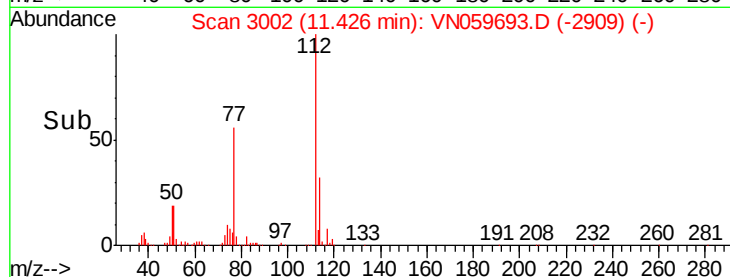
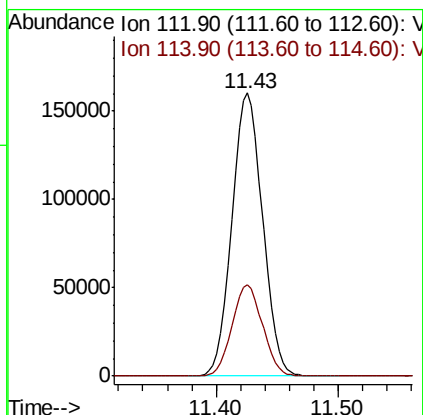
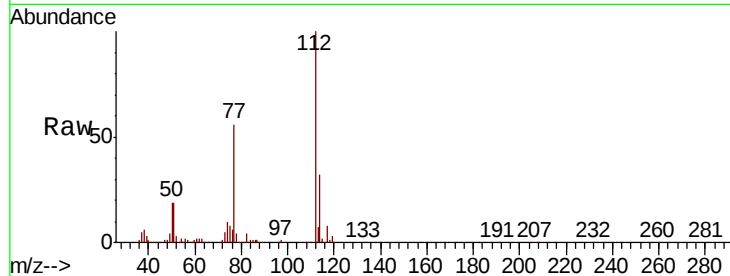




#65
Chlorobenzene
Concen: 49.558 ug/l
RT: 11.43 min Scan# 3002
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

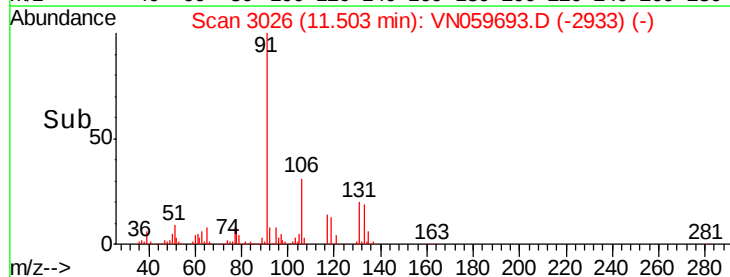
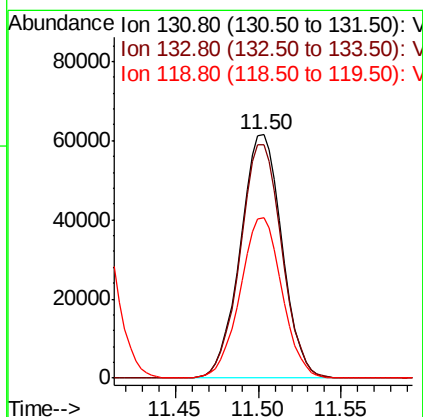
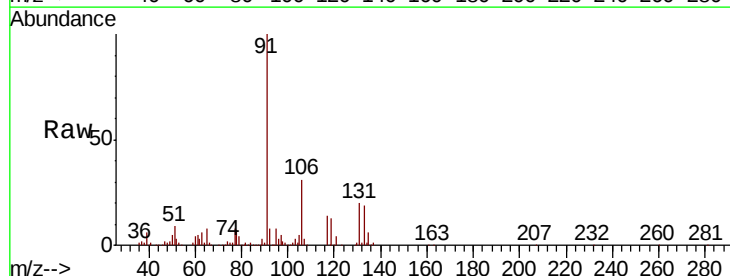
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

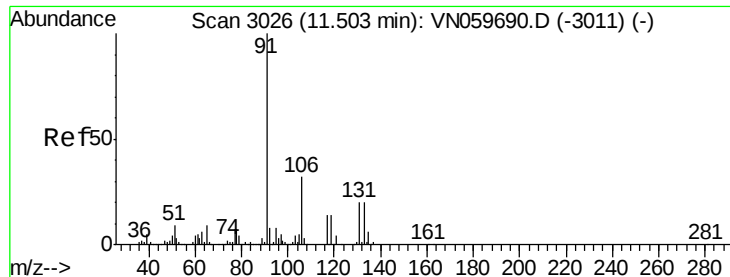
Tot Ion:112 Resp: 279883
Ion Ratio Lower Upper
112 100
114 32.2 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 49.350 ug/l
RT: 11.50 min Scan# 3026
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion:131 Resp: 107693
Ion Ratio Lower Upper
131 100
133 96.3 47.4 142.2
119 66.0 33.1 99.3





#67

Ethyl Benzene

Concen: 49.149 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

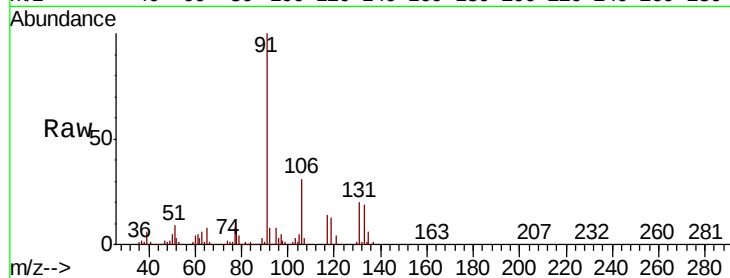
ICVVO11320

Tot Ion: 91 Resp: 503884

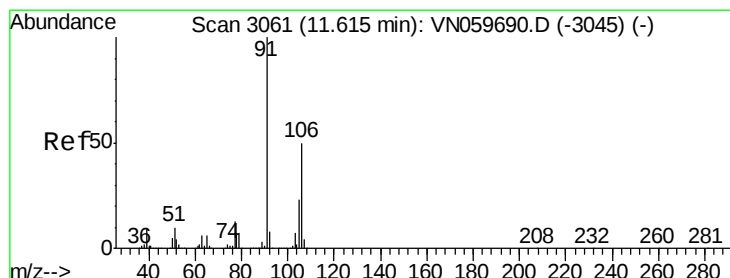
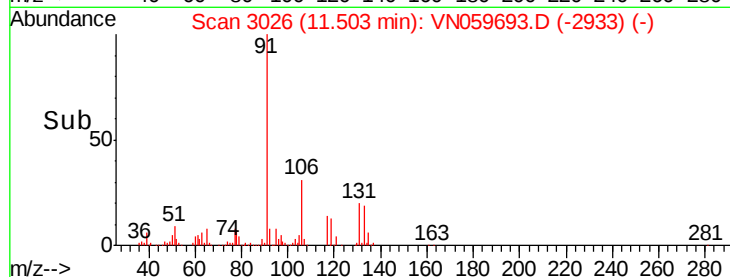
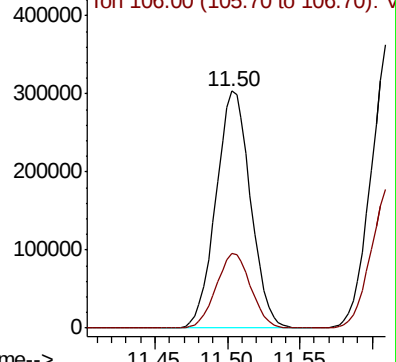
Ion Ratio Lower Upper

91 100

106 31.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059693.D (-2933) (-)



#68

m/p-Xylenes

Concen: 99.049 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. 0.00 min

Lab File: VN059693.D

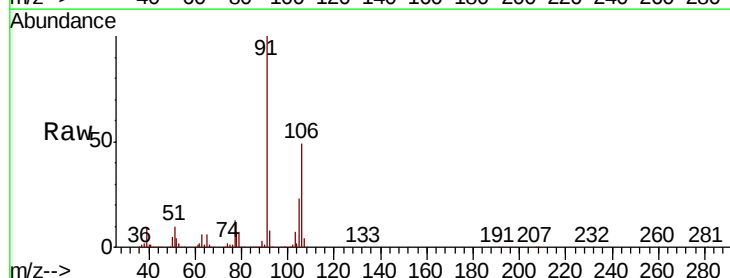
Acq: 13 Jan 2020 17:39

Tgt Ion: 106 Resp: 383587

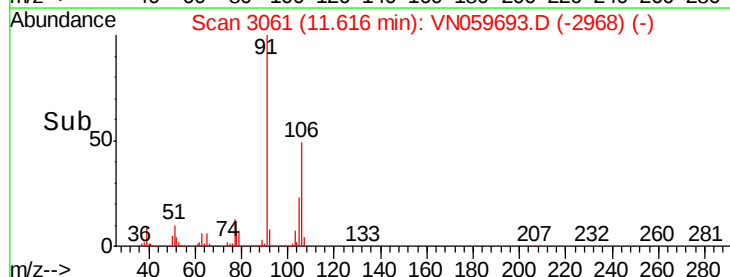
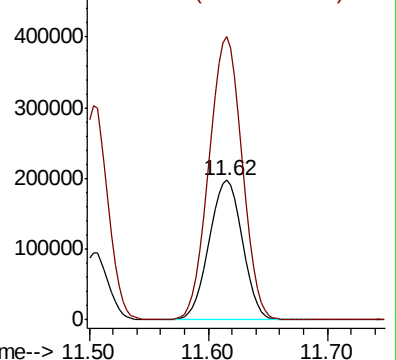
Ion Ratio Lower Upper

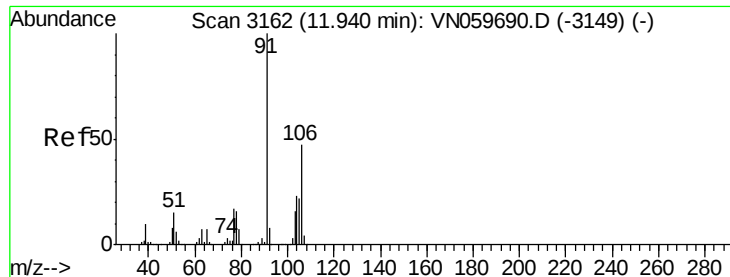
106 100

91 201.2 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059693.D (-2968) (-)

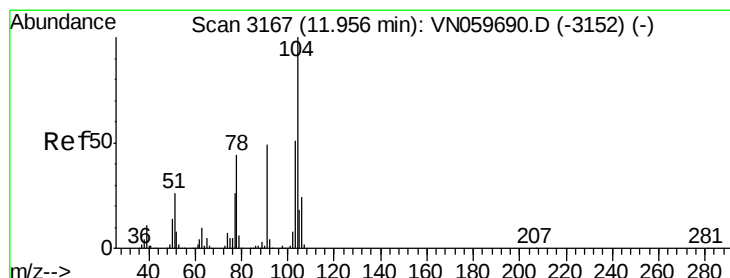
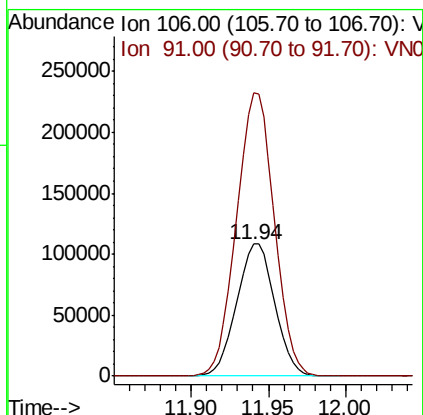
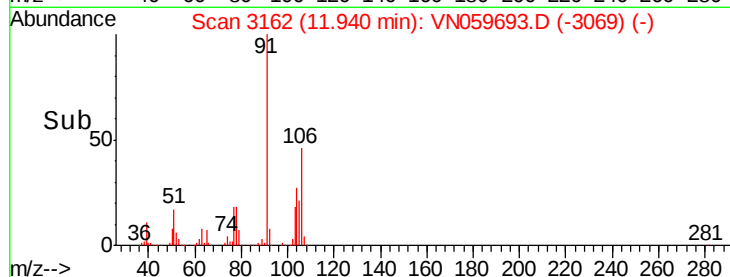
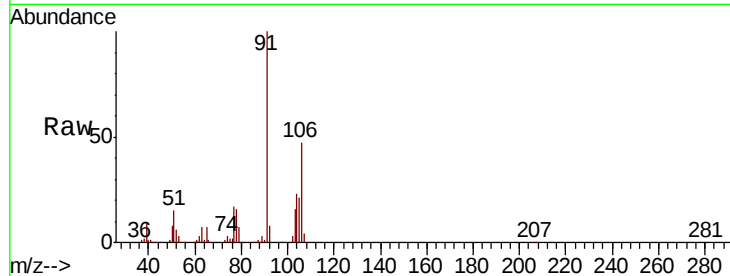




#69
o-Xylene
Concen: 48.837 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

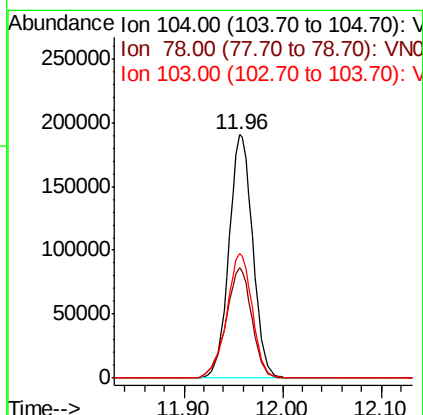
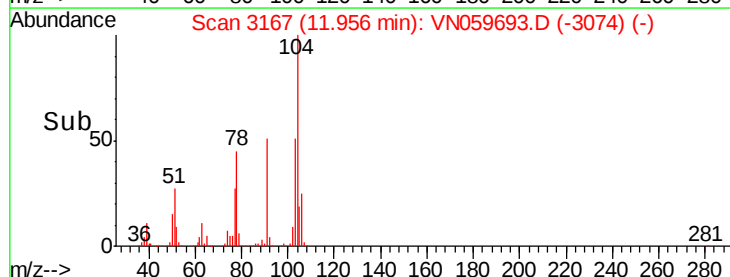
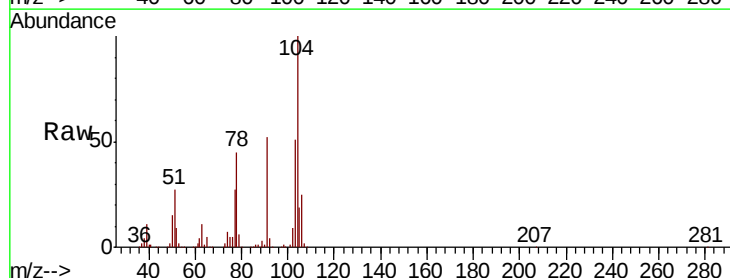
Instrument :
MSVOA_N
ClientSampled :
ICVVN011320

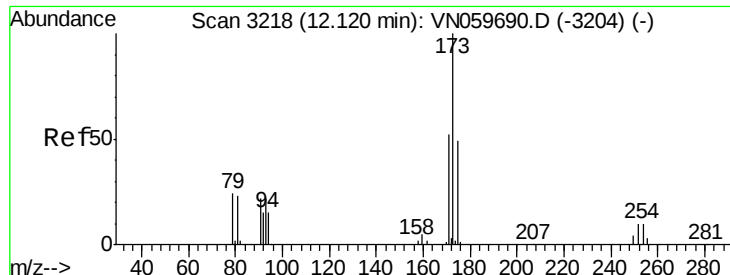
Tot Ion:106 Resp: 185160
Ion Ratio Lower Upper
106 100
91 212.8 110.3 330.9



#70
Styrene
Concen: 50.039 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion:104 Resp: 317461
Ion Ratio Lower Upper
104 100
78 49.1 42.4 63.6
103 55.1 43.9 65.9

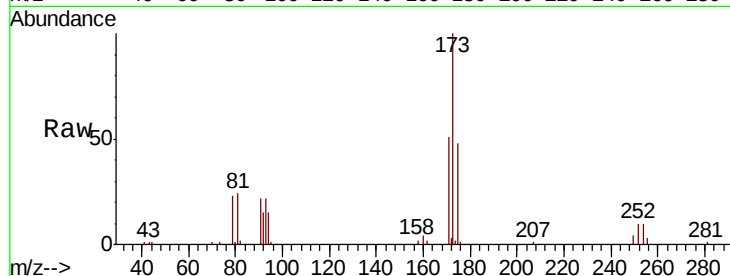




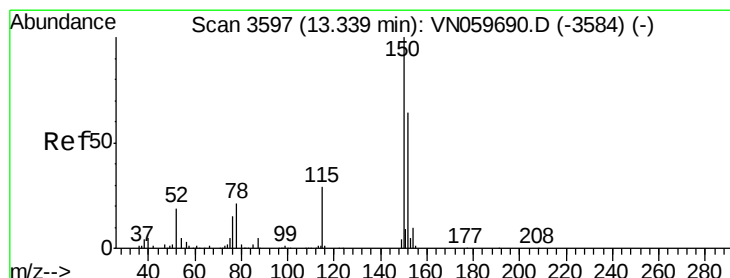
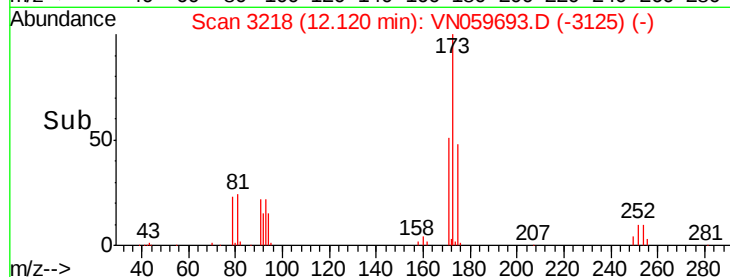
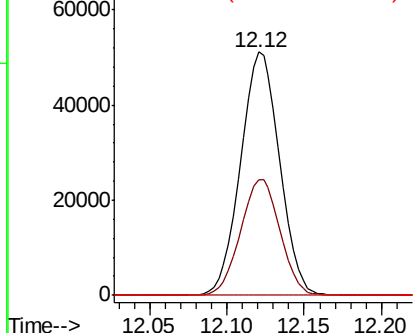
#71
Bromoform
Concen: 51.275 ug/l
RT: 12.12 min Scan# 3218
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

Tot Ion:173 Resp: 89628
Ion Ratio Lower Upper
173 100
175 48.1 23.8 71.4
254 0.0 0.0 0.0

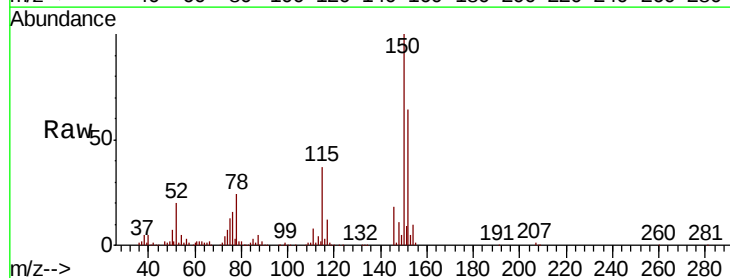


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

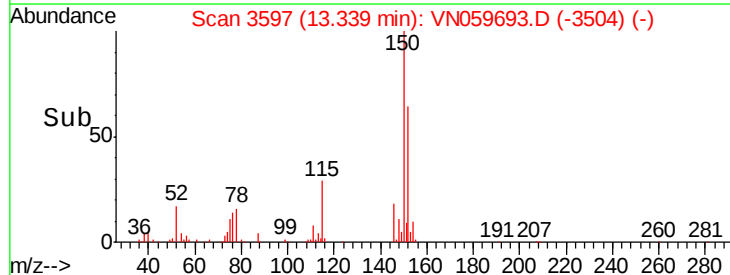
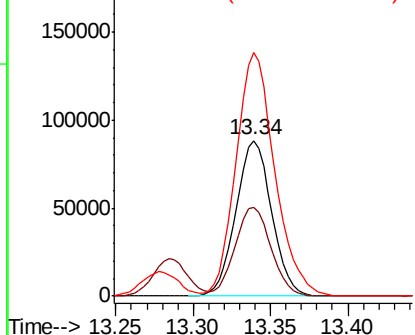


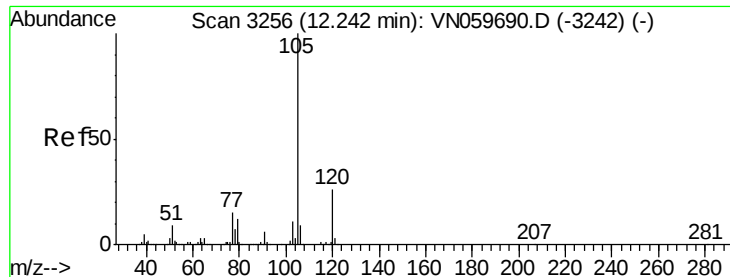
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3597
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion:152 Resp: 141435
Ion Ratio Lower Upper
152 100
115 57.7 30.3 90.9
150 170.6 0.0 345.2



Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 48.431 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

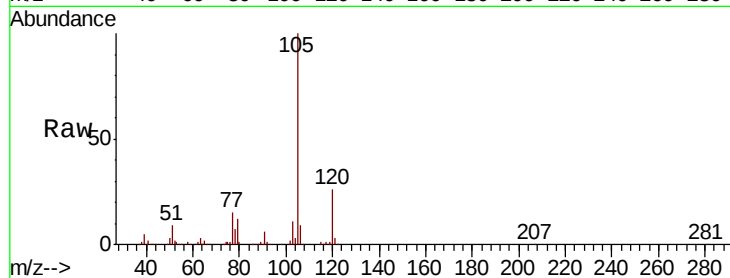
ICVVN011320

Tot Ion:105 Resp: 502362

Ion Ratio Lower Upper

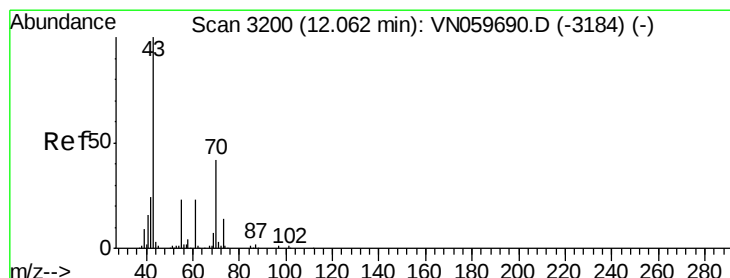
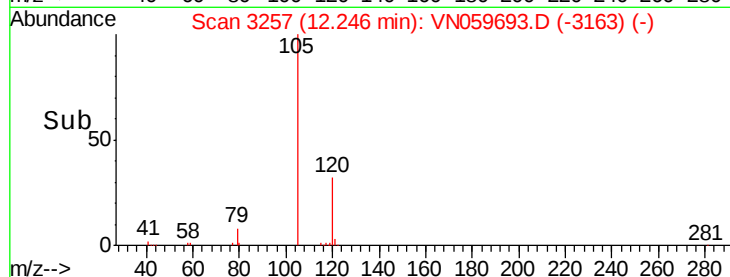
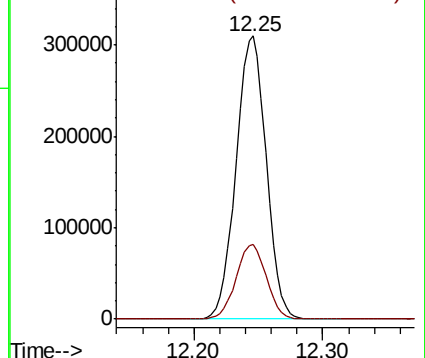
105 100

120 26.5 13.2 39.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 48.924 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Tgt Ion: 43 Resp: 196917

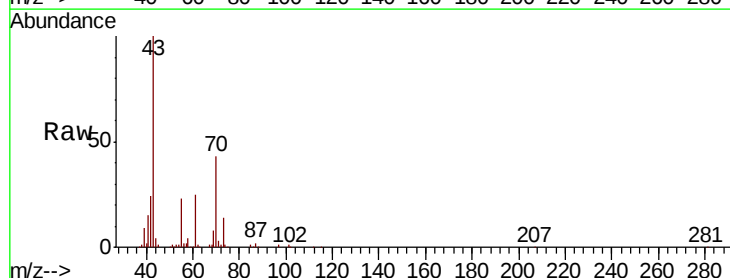
Ion Ratio Lower Upper

43 100

70 42.5 31.3 46.9

55 22.8 19.8 29.6

61 24.5 18.3 27.5

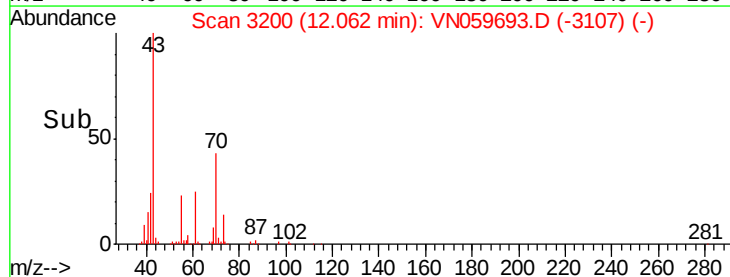
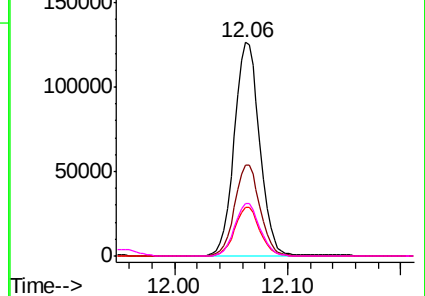


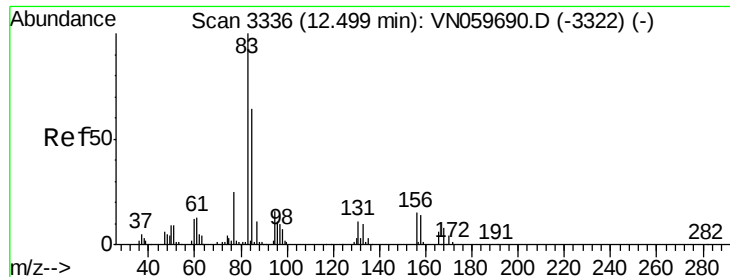
Abundance Ion 43.00 (42.70 to 43.70): V

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: 48.228 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVO11320

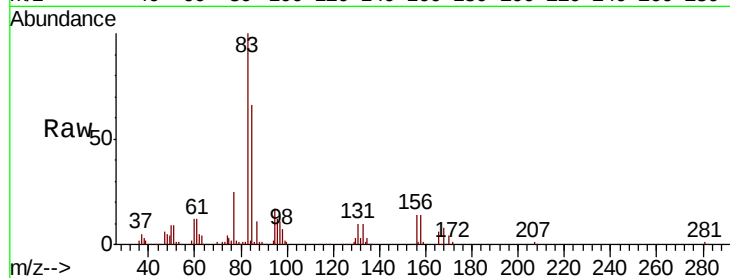
Tot Ion: 83 Resp: 145026

Ion Ratio Lower Upper

83 100

131 10.9 5.0 14.9

85 66.3 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN059693.D (-3336) (-)

Ion 130.80 (130.50 to 131.50): VN059693.D (-3336) (-)

Ion 84.90 (84.60 to 85.60): VN059693.D (-3336) (-)

120000

100000

80000

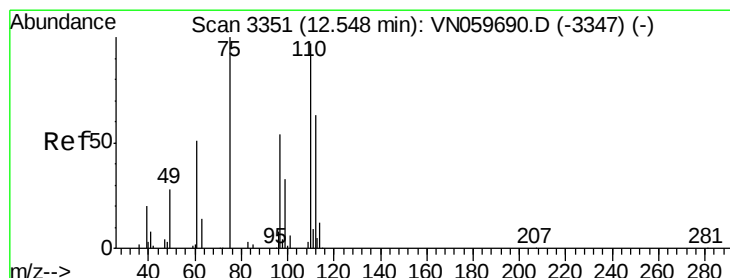
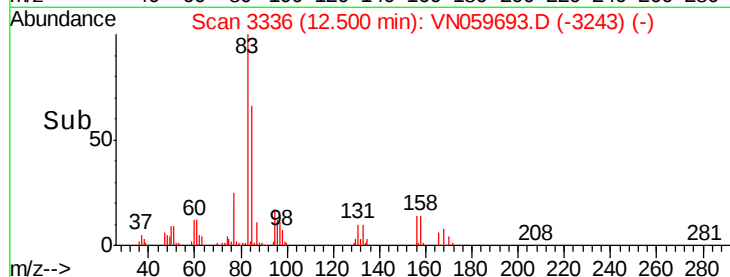
60000

40000

20000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 82.440 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. 0.00 min

Lab File: VN059693.D

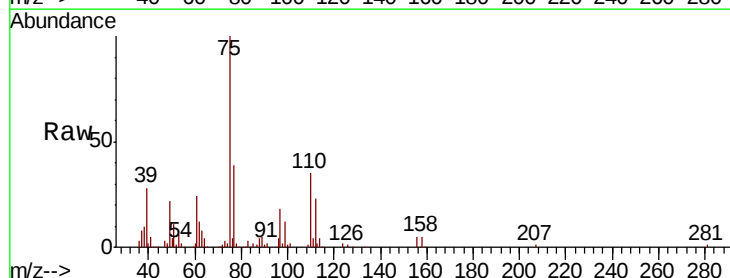
Acq: 13 Jan 2020 17:39

Tgt Ion: 75 Resp: 196225

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059693.D (-3351) (-)

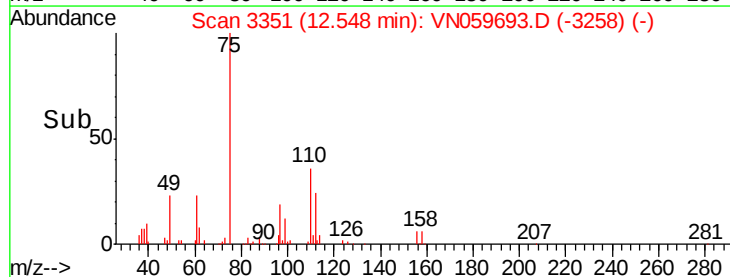
Ion 77.00 (76.70 to 77.70): VN059693.D (-3351) (-)

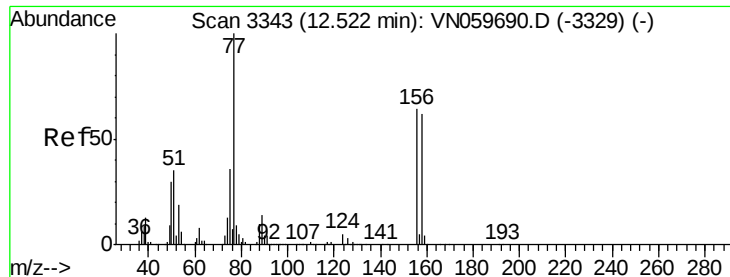
100000

50000

0

Time-->





#77

Bromobenzene

Concen: 48.579 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

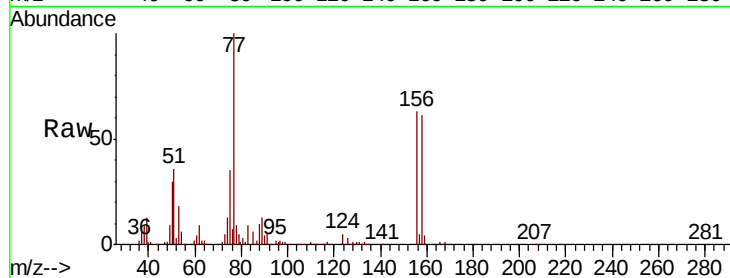
Tot Ion:156 Resp: 127606

Ion Ratio Lower Upper

156 100

77 191.5 115.8 347.4

158 96.9 49.2 147.6



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

150000

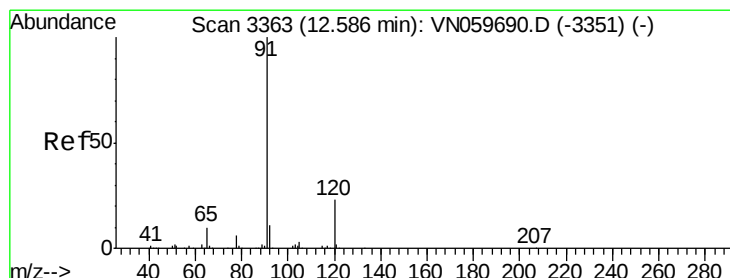
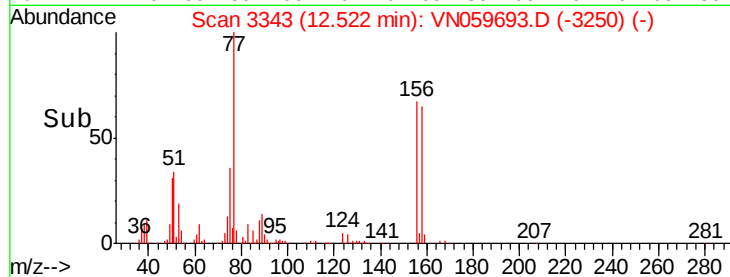
100000

50000

0

12.45 12.50 12.55 12.60

Time-->



#78

n-propylbenzene

Concen: 48.964 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN059693.D

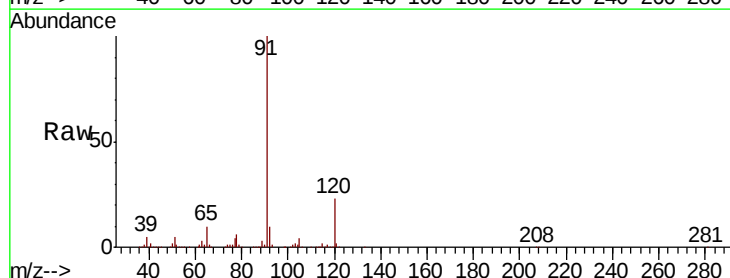
Acq: 13 Jan 2020 17:39

Tgt Ion: 91 Resp: 570054

Ion Ratio Lower Upper

91 100

120 23.5 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

400000

300000

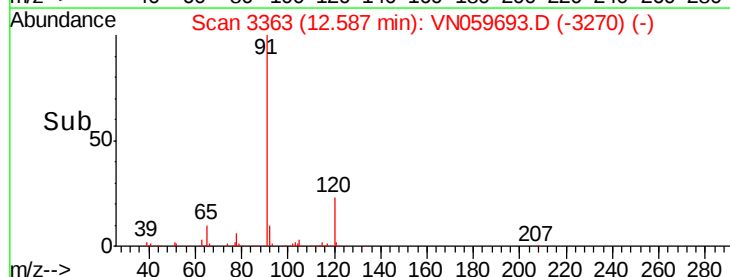
200000

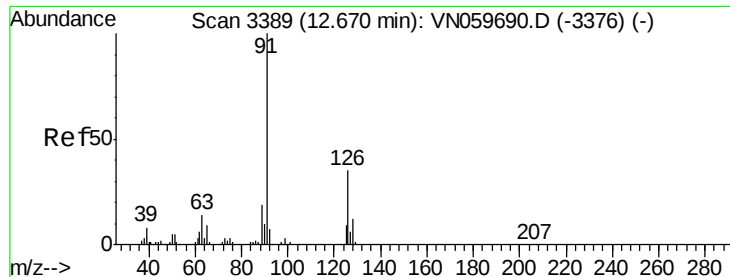
100000

0

12.55 12.60 12.65

Time-->





#79

2-Chlorotoluene

Concen: 47.559 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

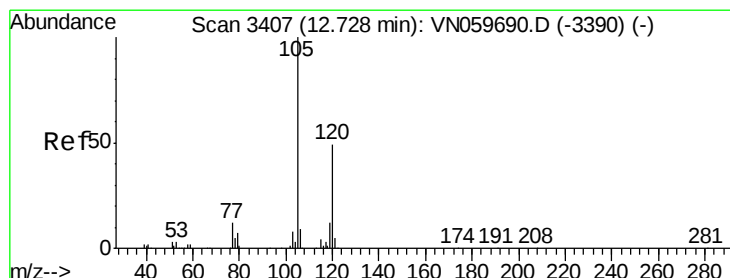
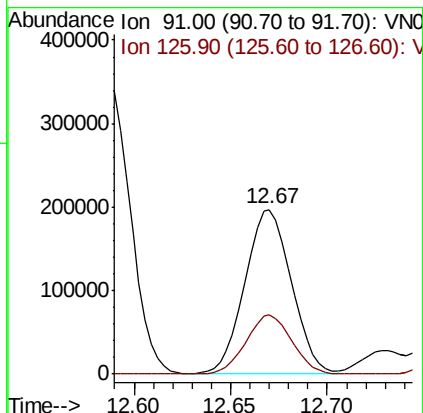
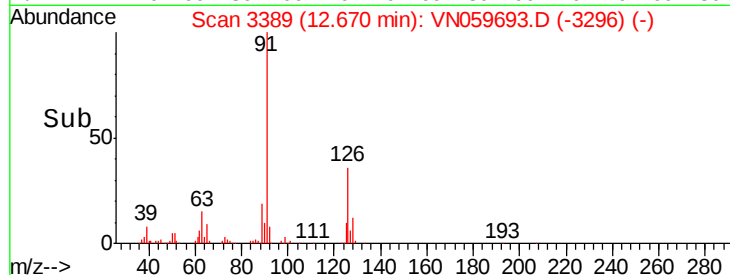
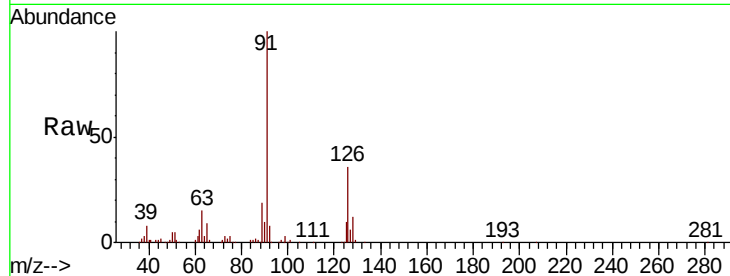
ICVFN011320

Tot Ion: 91 Resp: 329397

Ion Ratio Lower Upper

91 100

126 35.7 16.3 48.9



#80

1,3,5-Trimethylbenzene

Concen: 48.085 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. 0.00 min

Lab File: VN059693.D

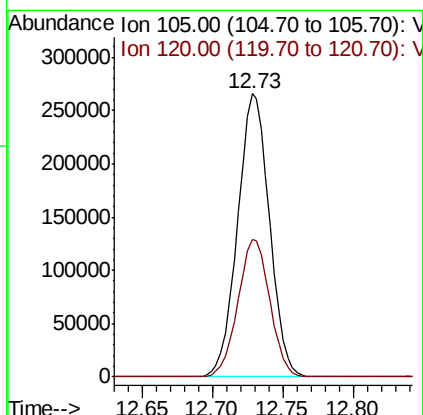
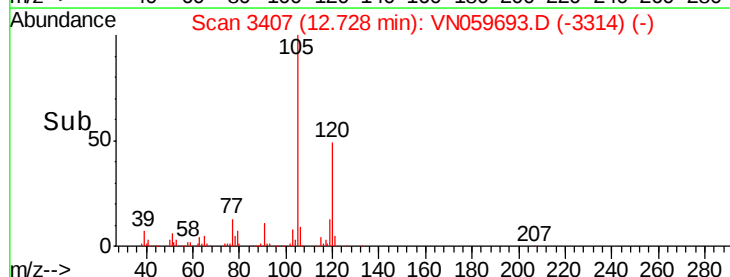
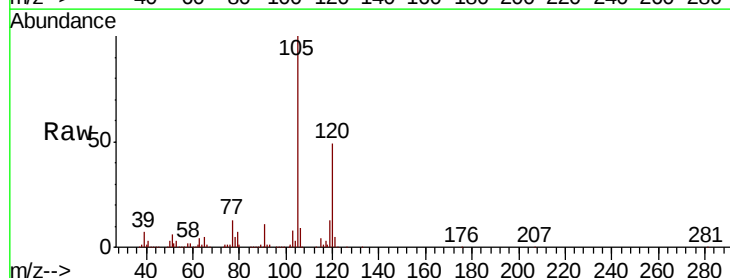
Acq: 13 Jan 2020 17:39

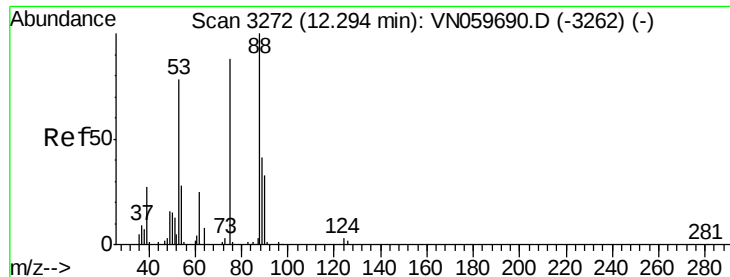
Tgt Ion: 105 Resp: 419466

Ion Ratio Lower Upper

105 100

120 48.9 24.1 72.4





#81

trans-1,4-Dichloro-2-butene

Concen: 50.359 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

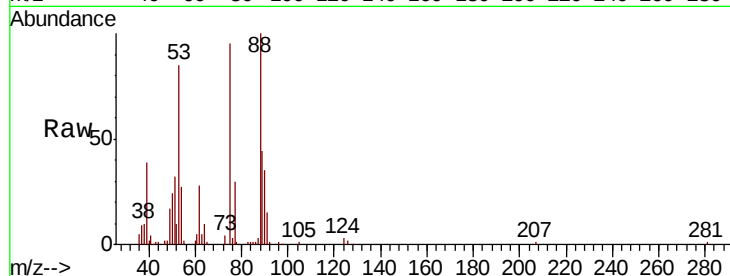
Tot Ion: 75 Resp: 55816

Ion Ratio Lower Upper

75 100

53 88.6 78.1 117.1

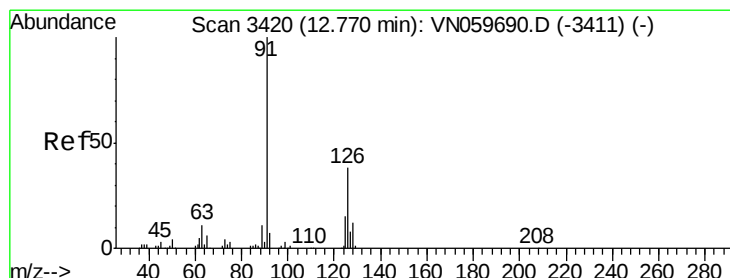
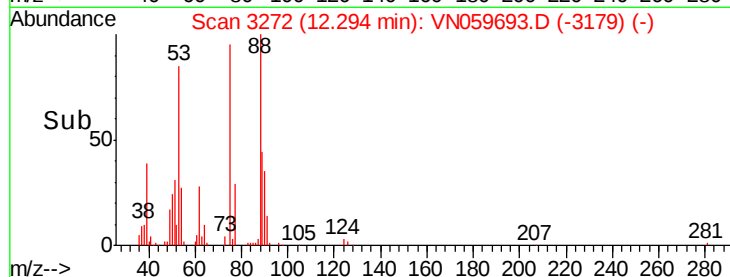
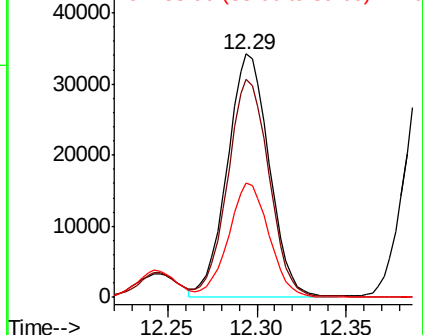
89 45.3 35.4 53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 49.272 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059693.D

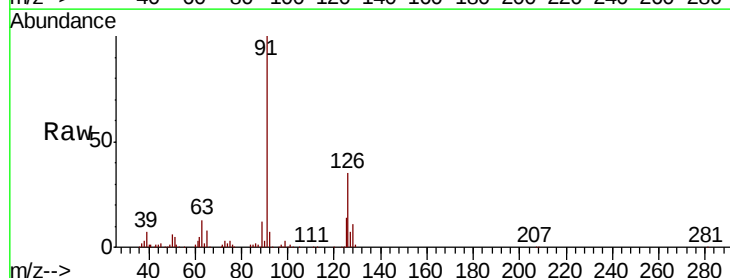
Acq: 13 Jan 2020 17:39

Tgt Ion: 91 Resp: 342289

Ion Ratio Lower Upper

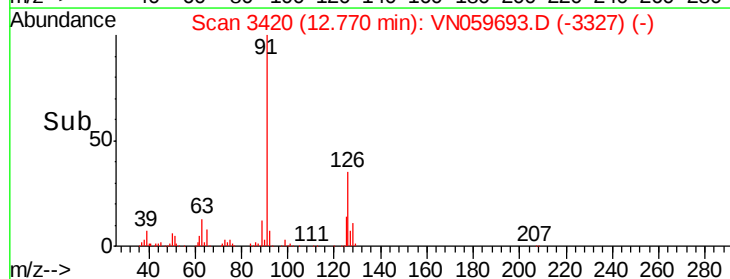
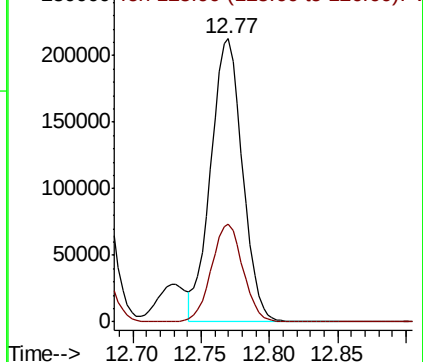
91 100

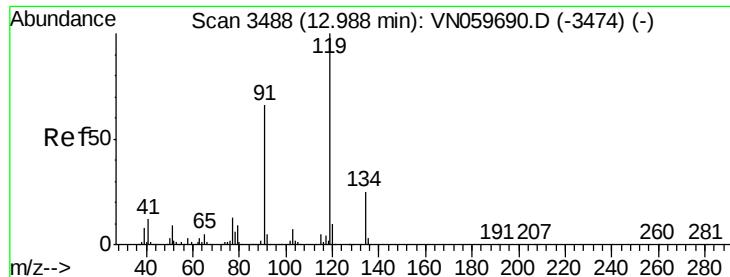
126 34.4 16.3 48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

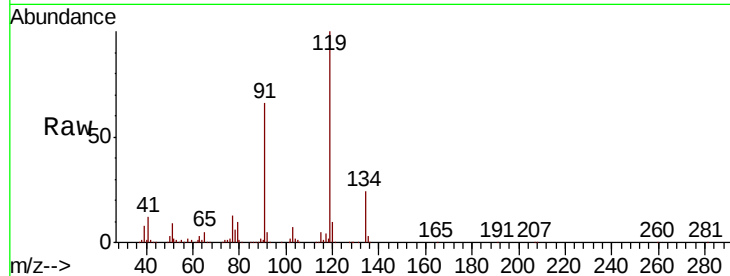




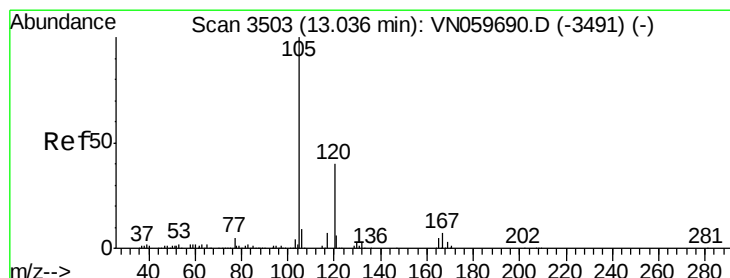
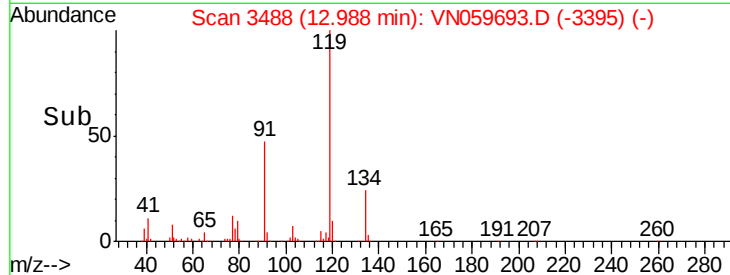
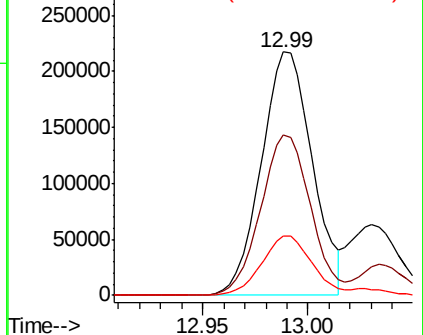
#83
tert-Butylbenzene
Concen: 48.445 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

Tot Ion	Ratio	Lower	Upper
119	100		
91	64.5	34.8	104.4
134	24.3	12.3	36.9

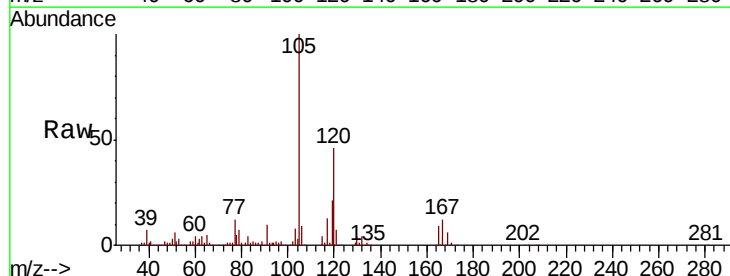


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

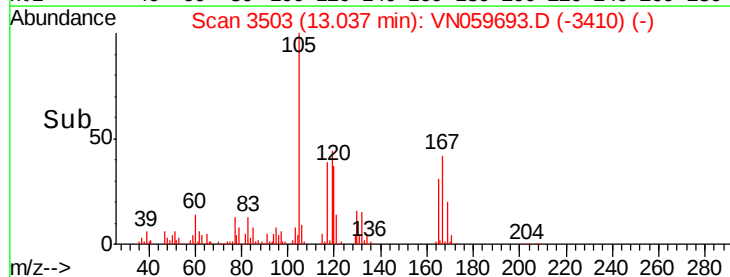
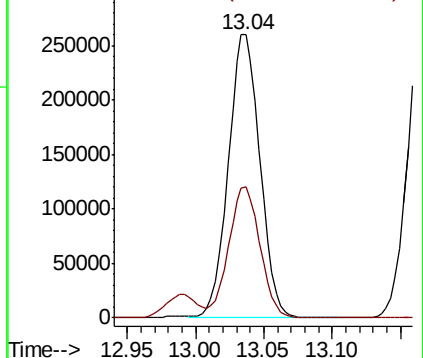


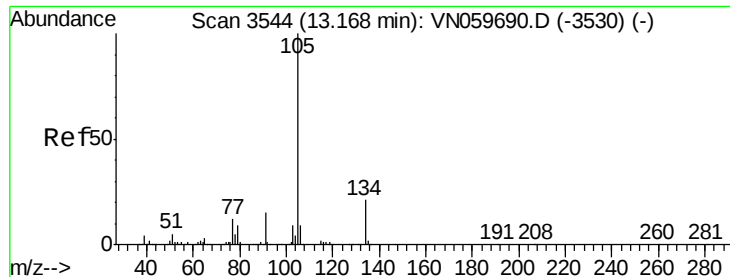
#84
1,2,4-Trimethylbenzene
Concen: 48.283 ug/l
RT: 13.04 min Scan# 3503
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
105	100		
120	46.1	22.3	66.9



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.556 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

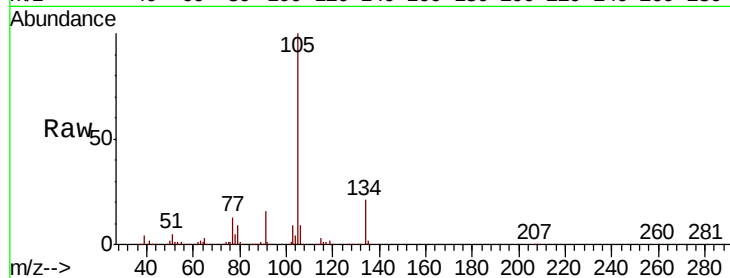
ICVVN011320

Tot Ion:105 Resp: 481315

Ion Ratio Lower Upper

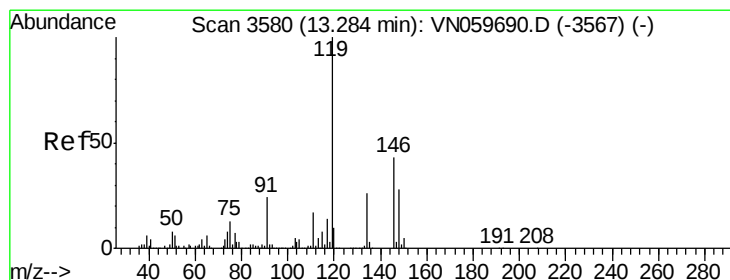
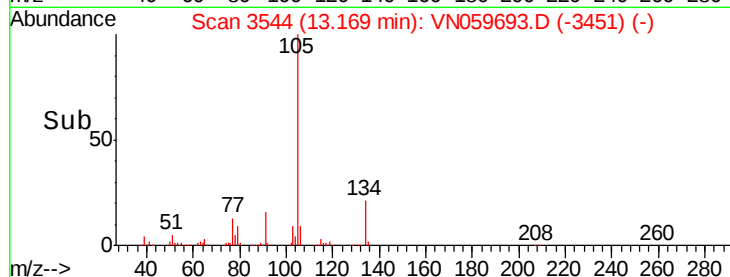
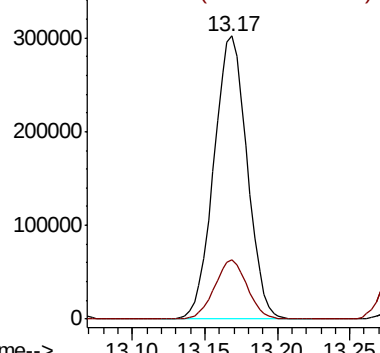
105 100

134 20.5 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 48.684 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

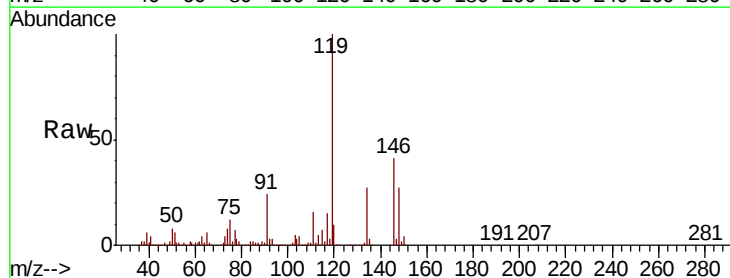
Tgt Ion:119 Resp: 446536

Ion Ratio Lower Upper

119 100

134 26.6 12.9 38.7

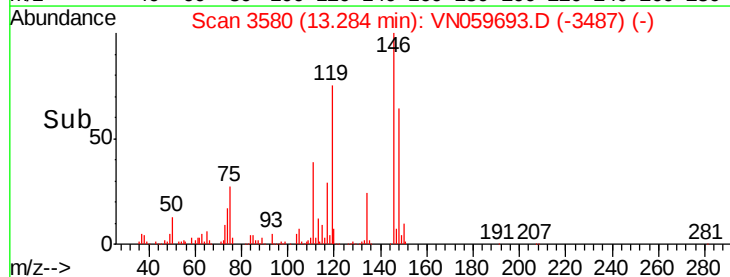
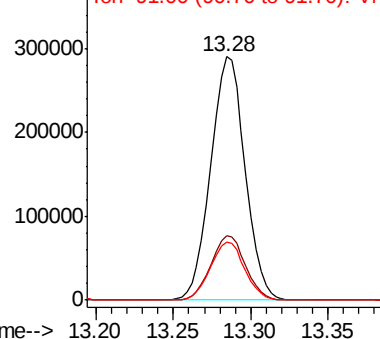
91 23.7 12.4 37.4

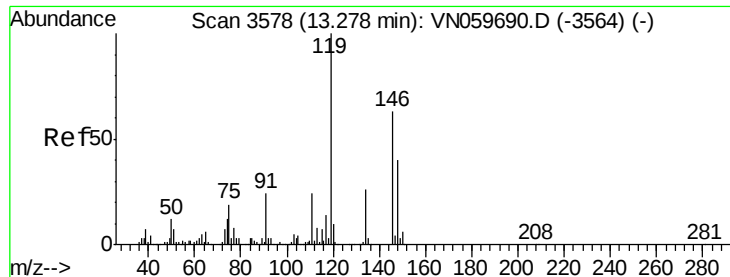


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 49.396 ug/l

RT: 13.28 min Scan# 3578

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

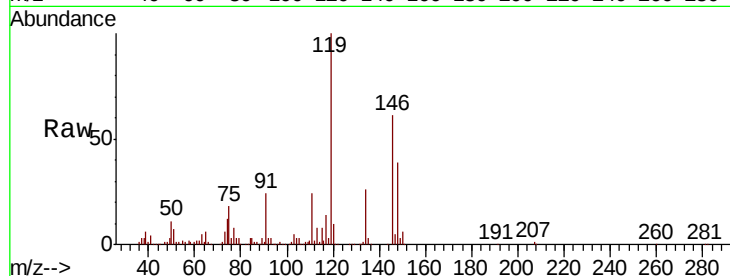
Tot Ion:146 Resp: 225388

Ion Ratio Lower Upper

146 100

111 39.0 20.8 62.2

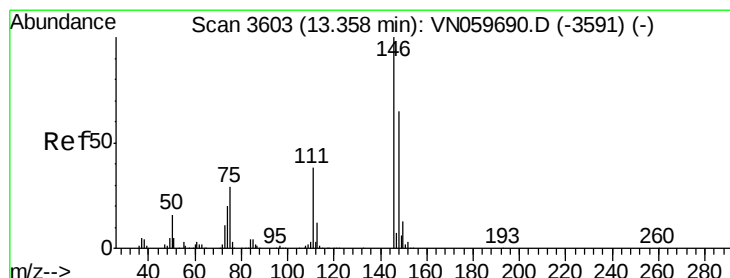
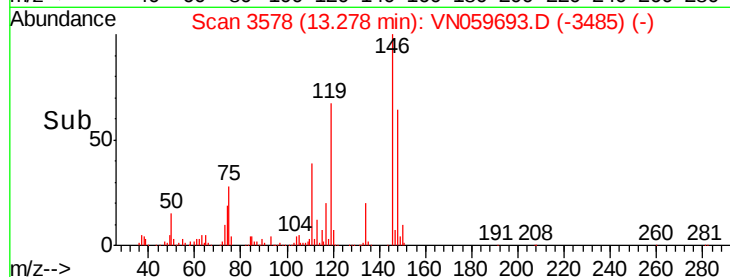
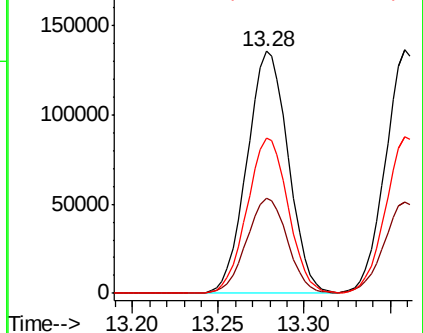
148 63.9 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 49.190 ug/l

RT: 13.36 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

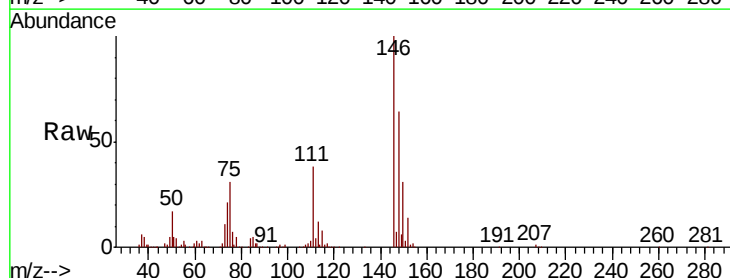
Tgt Ion:146 Resp: 223911

Ion Ratio Lower Upper

146 100

111 38.4 20.8 62.2

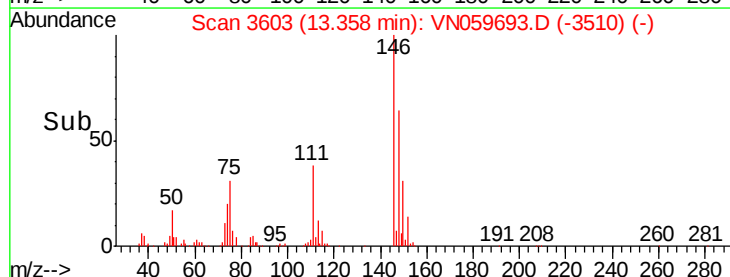
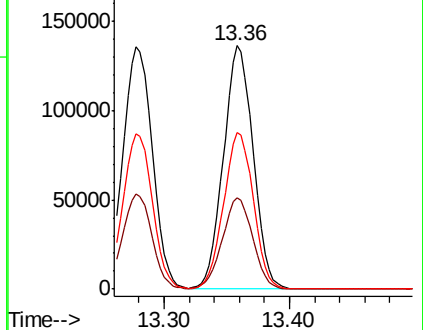
148 64.6 31.8 95.4

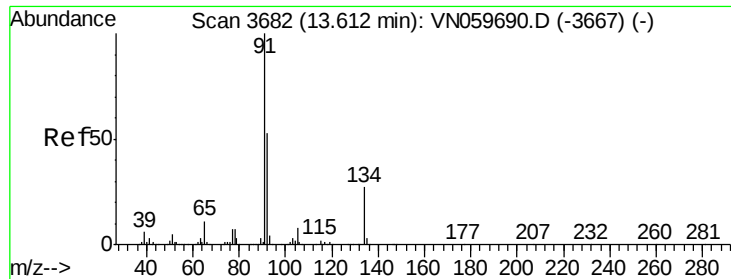


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

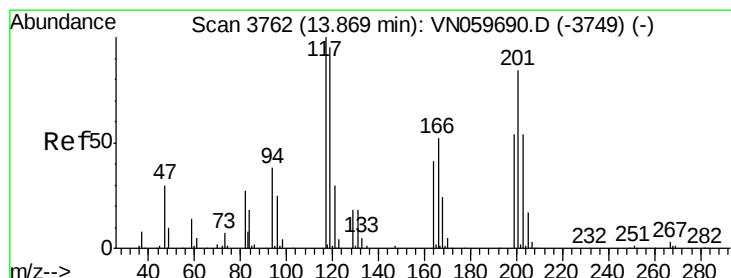
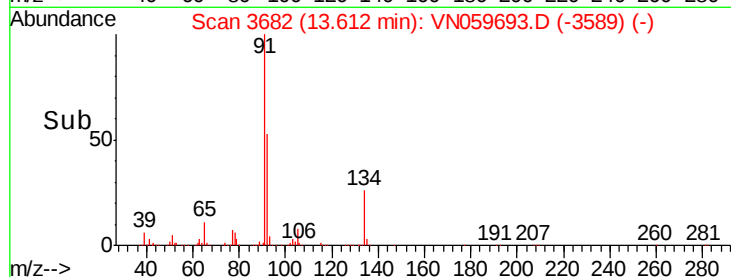
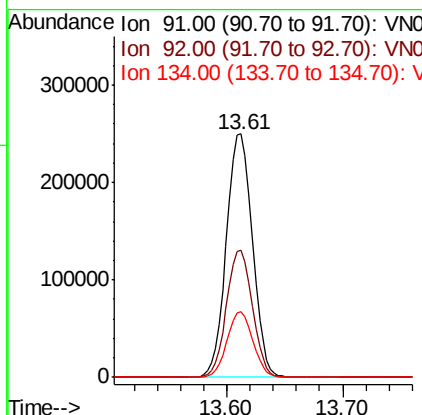
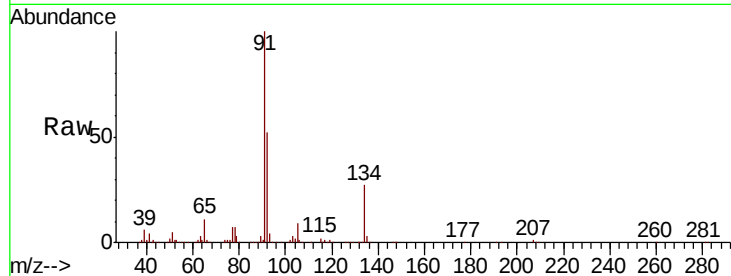




#89
n-Butylbenzene
Concen: 49.840 ug/l
RT: 13.61 min Scan# 3682
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

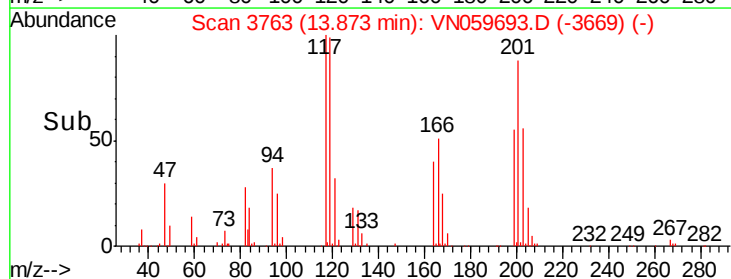
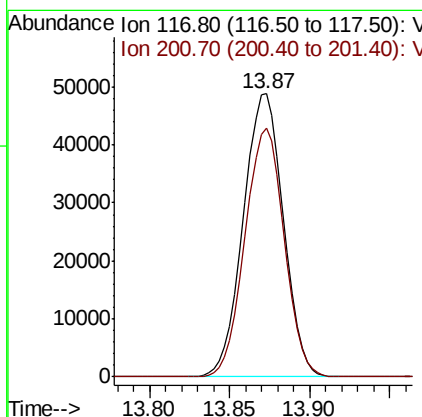
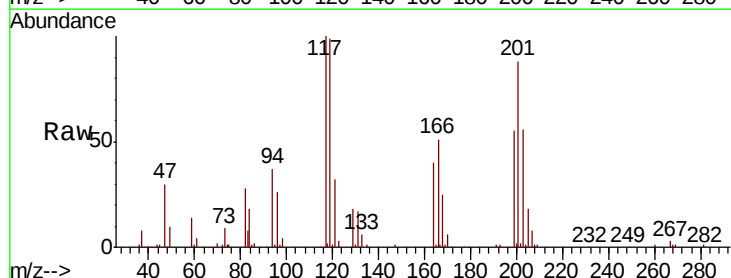
Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

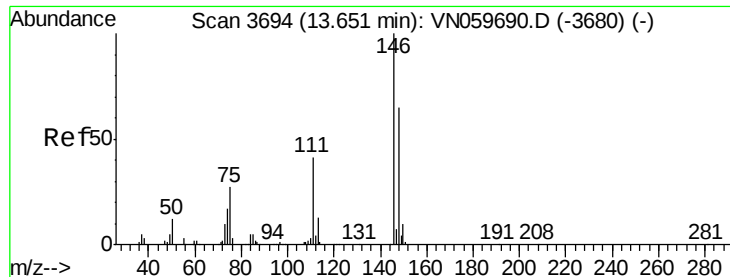
Tot Ion: 91 Resp: 389778
Ion Ratio Lower Upper
91 100
92 51.9 25.9 77.7
134 26.7 12.3 36.8



#90
Hexachloroethane
Concen: 48.657 ug/l
RT: 13.87 min Scan# 3763
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion: 117 Resp: 83500
Ion Ratio Lower Upper
117 100
201 86.0 37.8 113.4





#91

1,2-Dichlorobenzene

Concen: 48.955 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

Instrument :

MSVOA_N

ClientSampleId :

ICVVN011320

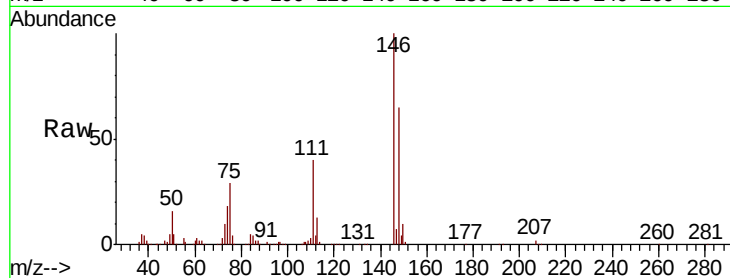
Tot Ion:146 Resp: 220831

Ion Ratio Lower Upper

146 100

111 40.1 21.6 64.8

148 64.1 31.6 95.0

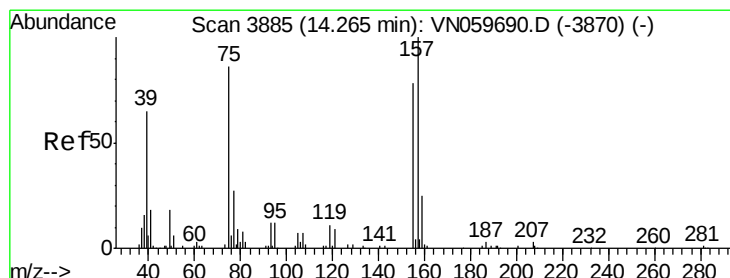
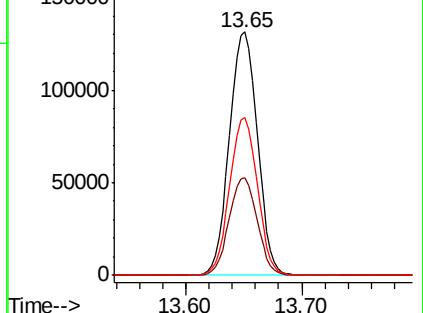
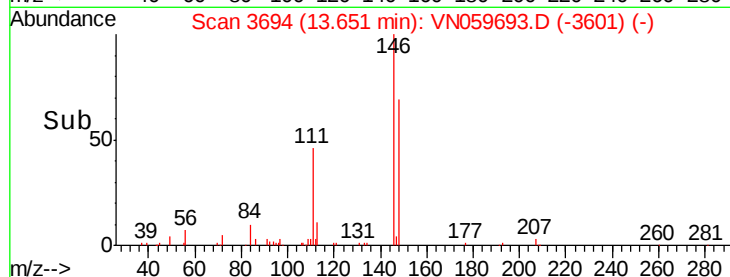


Abundance

Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 49.443 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN059693.D

Acq: 13 Jan 2020 17:39

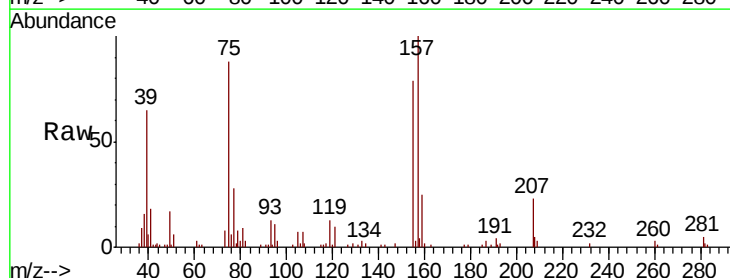
Tgt Ion: 75 Resp: 31927

Ion Ratio Lower Upper

75 100

155 92.8 37.0 110.9

157 116.3 48.4 145.2

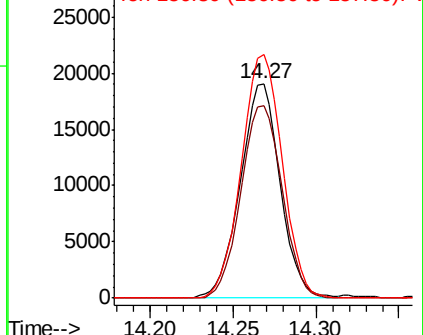
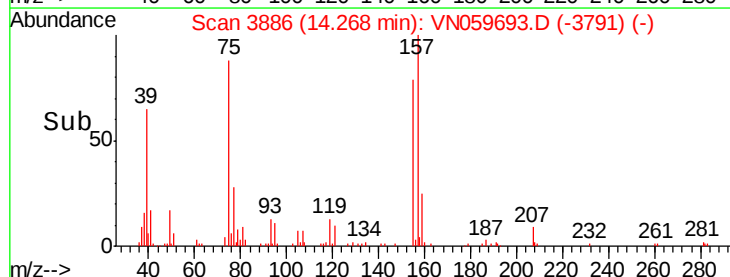


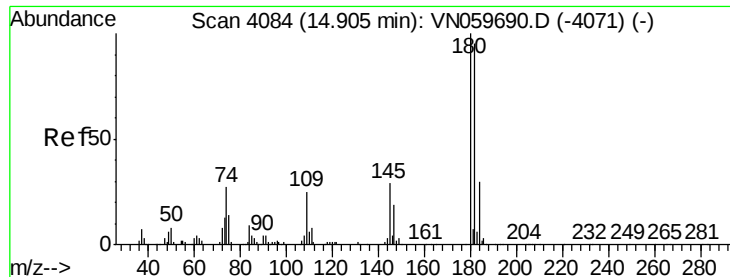
Abundance

Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

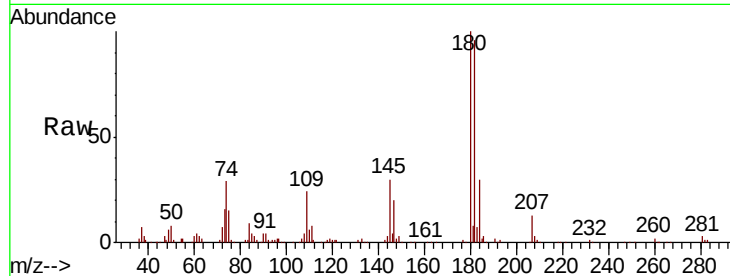




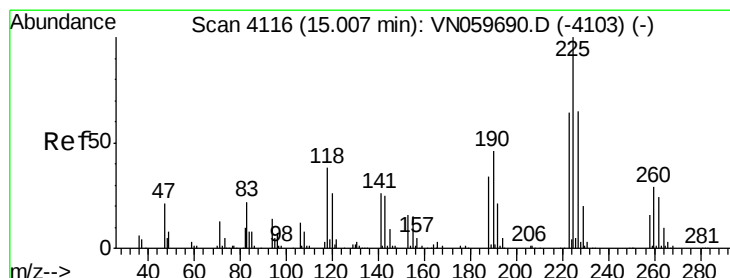
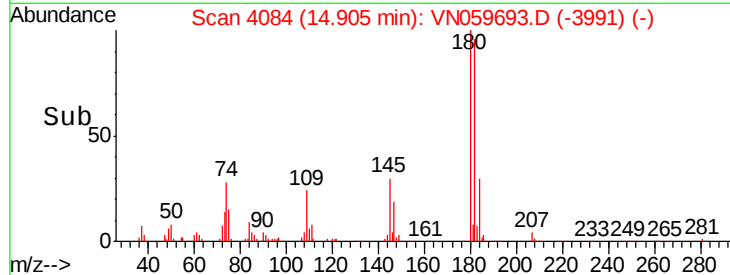
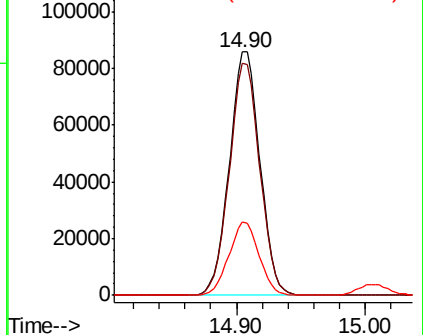
#93
 1,2,4-Trichlorobenzene
 Concen: 51.966 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Instrument :
 MSVOA_N
 ClientSampleId :
 ICVVN011320

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	46.9	140.7
145	29.7	15.0	45.1

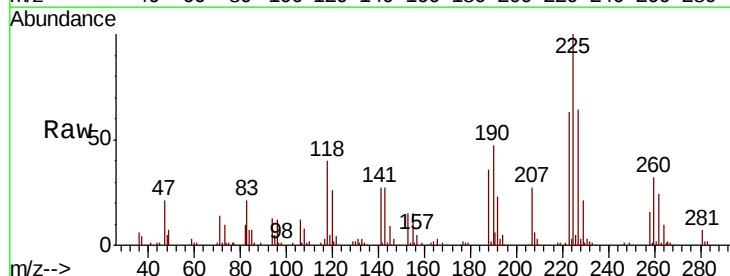


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

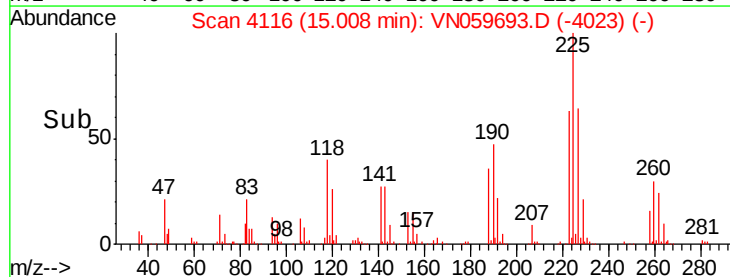
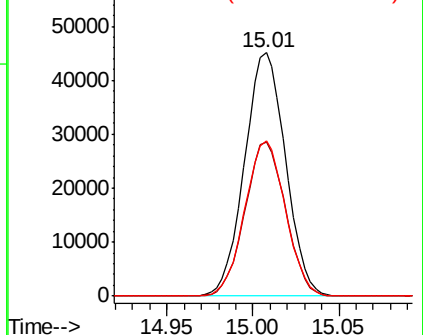


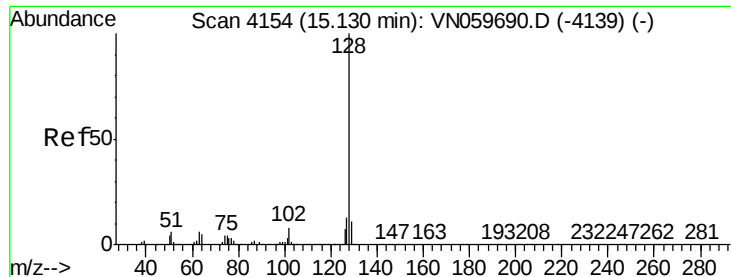
#94
 Hexachlorobutadiene
 Concen: 49.917 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059693.D
 Acq: 13 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	31.8	95.3
227	63.2	32.1	96.5



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

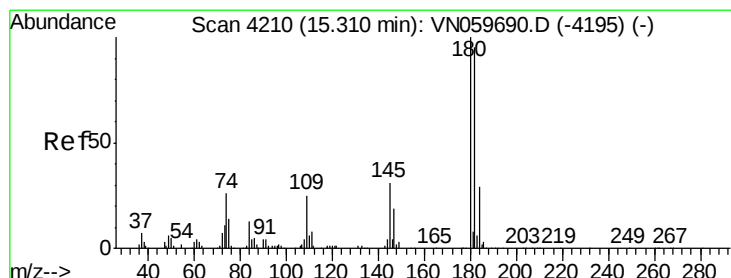
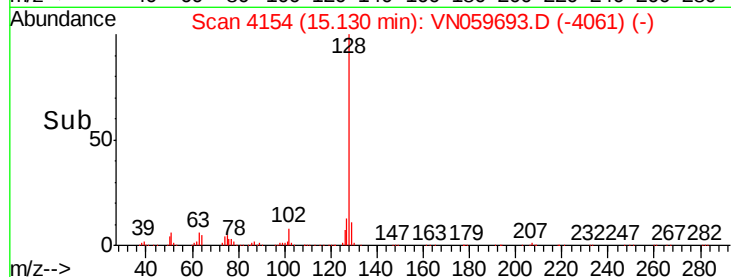
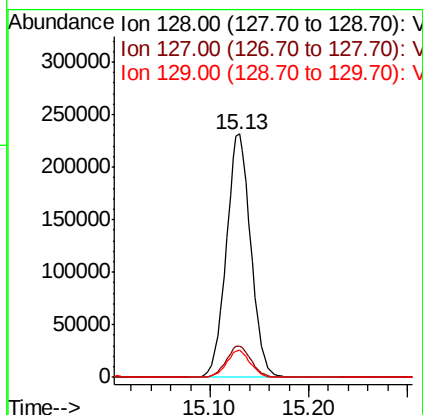
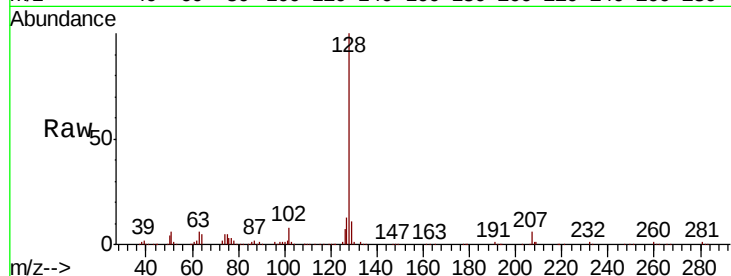




#95
Naphthalene
Concen: 51.954 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Instrument :
MSVOA_N
ClientSampleId :
ICVVN011320

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.1	10.4	15.6
129	10.9	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 51.063 ug/l
RT: 15.31 min Scan# 4210
Delta R.T. 0.00 min
Lab File: VN059693.D
Acq: 13 Jan 2020 17:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.6	47.4	142.3
145	31.2	16.3	48.9

