

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121819\
 Data File : VN059650.D
 Acq On : 18 Dec 2019 15:29
 Operator : JC/SP
 Sample : VN1218WBS02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 19 04:27:45 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	208595	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	334608	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	305229	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	138861	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	183904	60.59	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.18%	
35) Dibromofluoromethane	7.56	113	126910	60.62	ug/l	0.00
Spiked Amount	50.000		Recovery	=	121.24%	
50) Toluene-d8	10.08	98	505938	61.04	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.08%	
62) 4-Bromofluorobenzene	12.40	95	177429	58.66	ug/l	0.00
Spiked Amount	50.000		Recovery	=	117.32%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	43755	16.233	ug/l	100
3) Chloromethane	2.04	50	63429	14.829	ug/l	97
4) Vinyl Chloride	2.17	62	72035	17.759	ug/l	99
5) Bromomethane	2.55	94	43312	18.367	ug/l	97
6) Chloroethane	2.69	64	41990	18.419	ug/l	99
7) Trichlorofluoromethane	3.00	101	85077	19.116	ug/l	99
8) Diethyl Ether	3.38	74	25713	18.491	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39705	17.703	ug/l	99
10) Methyl Iodide	3.92	142	51362	17.298	ug/l	99
11) Tert butyl alcohol	4.74	59	45240	81.297	ug/l	99
12) 1,1-Dichloroethene	3.71	96	37739	17.249	ug/l	96
13) Acrolein	3.58	56	26425	66.662	ug/l	99
14) Allyl chloride	4.29	41	78683	17.518	ug/l	99
15) Acrylonitrile	4.95	53	124633	92.591	ug/l	99
16) Acetone	3.79	43	143319	79.528	ug/l	99
17) Carbon Disulfide	4.03	76	120921	16.684	ug/l	99
18) Methyl Acetate	4.29	43	66191	17.528	ug/l	97
19) Methyl tert-butyl Ether	5.01	73	138107	17.878	ug/l	99
20) Methylene Chloride	4.52	84	47338	18.188	ug/l	95
21) trans-1,2-Dichloroethene	5.00	96	42190	17.298	ug/l	96
22) Diisopropyl ether	5.92	45	153347	18.519	ug/l	95
23) Vinyl Acetate	5.86	43	646799	99.536	ug/l	99
24) 1,1-Dichloroethane	5.81	63	86543	18.451	ug/l	99
25) 2-Butanone	6.80	43	183980	85.374	ug/l	100
26) 2,2-Dichloropropane	6.80	77	77645	18.214	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	48809	18.059	ug/l	98
28) Bromochloromethane	7.17	49	42655	21.908	ug/l	99
29) Tetrahydrofuran	7.18	42	117458	89.458	ug/l	99
30) Chloroform	7.35	83	85230	18.460	ug/l	100
31) Cyclohexane	7.63	56	77869	17.570	ug/l	96
32) 1,1,1-Trichloroethane	7.54	97	73518	17.662	ug/l	98
36) 1,1-Dichloropropene	7.77	75	63605	18.228	ug/l	99
37) Ethyl Acetate	6.90	43	73410	18.100	ug/l	99
38) Carbon Tetrachloride	7.75	117	64795	17.895	ug/l	98

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 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 23:17:39 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.06	83	70009	17.688	ug/l	96
40) Benzene	8.02	78	190465	18.677	ug/l	100
41) Methacrylonitrile	7.18	41	106221	63.462	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	74400	19.051	ug/l	100
43) Isopropyl Acetate	8.14	43	113275	17.964	ug/l	100
44) Trichloroethene	8.81	130	48024	17.979	ug/l	95
45) 1,2-Dichloropropane	9.10	63	51674	18.765	ug/l	97
46) Dibromomethane	9.19	93	33071	18.331	ug/l	98
47) Bromodichloromethane	9.39	83	66044	18.361	ug/l	99
48) Methyl methacrylate	9.18	41	49891	17.440	ug/l	98
49) 1,4-Dioxane	9.18	88	13629	332.439	ug/l	96
51) 4-Methyl-2-Pentanone	9.97	43	354005	94.163	ug/l	98
52) Toluene	10.14	92	113722	18.150	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	74509	17.911	ug/l	99
54) cis-1,3-Dichloropropene	9.82	75	80725	18.461	ug/l	99
55) 1,1,2-Trichloroethane	10.55	97	45325	18.434	ug/l	97
56) Ethyl methacrylate	10.42	69	63086	17.284	ug/l	98
57) 1,3-Dichloropropane	10.70	76	79431	18.554	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	179953	155.017	ug/l	99
59) 2-Hexanone	10.74	43	261003	88.088	ug/l	99
60) Dibromochloromethane	10.89	129	48625	18.120	ug/l	98
61) 1,2-Dibromoethane	10.99	107	45732	17.538	ug/l	98
64) Tetrachloroethene	10.62	164	46393	16.305	ug/l	98
65) Chlorobenzene	11.42	112	118987	18.016	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.50	131	45247	18.037	ug/l	99
67) Ethyl Benzene	11.50	91	211648	17.754	ug/l	100
68) m/p-Xylenes	11.62	106	155404	35.302	ug/l	100
69) o-Xylene	11.94	106	73719	17.600	ug/l	98
70) Styrene	11.96	104	114572	17.024	ug/l	98
71) Bromoform	12.12	173	33528	17.780	ug/l #	98
73) Isopropylbenzene	12.24	105	201164	18.454	ug/l	99
74) N-amyl acetate	12.06	43	86027	17.205	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	65116	18.832	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	95277	27.716	ug/l #	100
77) Bromobenzene	12.52	156	48728	18.177	ug/l	99
78) n-propylbenzene	12.59	91	234485	18.198	ug/l	100
79) 2-Chlorotoluene	12.67	91	140137	17.986	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	167700	18.180	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.29	75	24419	17.545	ug/l	98
82) 4-Chlorotoluene	12.77	91	144490	18.112	ug/l	99
83) tert-Butylbenzene	12.99	119	137006	17.538	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	167373	18.247	ug/l	100
85) sec-Butylbenzene	13.17	105	189032	18.191	ug/l	100
86) p-Isopropyltoluene	13.28	119	167831	17.832	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	85456	17.336	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	84803	17.063	ug/l	99
89) n-Butylbenzene	13.61	91	150221	17.024	ug/l	99
90) Hexachloroethane	13.87	117	32371	18.196	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	86024	17.695	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	15220	16.845	ug/l	94

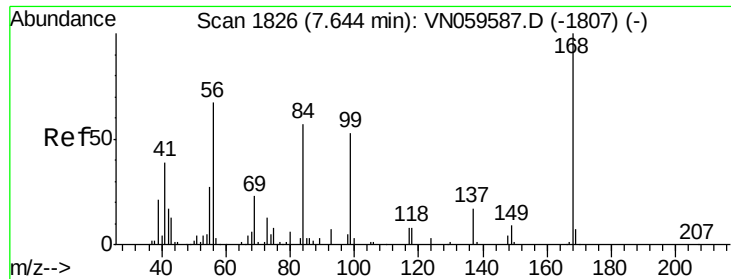
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Quant Title : SW846 8260
QLast Update : Fri Dec 13 23:17:39 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	48849	15.561	ug/l	100
94) Hexachlorobutadiene	15.00	225	29050	18.110	ug/l	97
95) Naphthalene	15.12	128	139666	14.903	ug/l	99
96) 1,2,3-Trichlorobenzene	15.29	180	49325	15.535	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1825

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

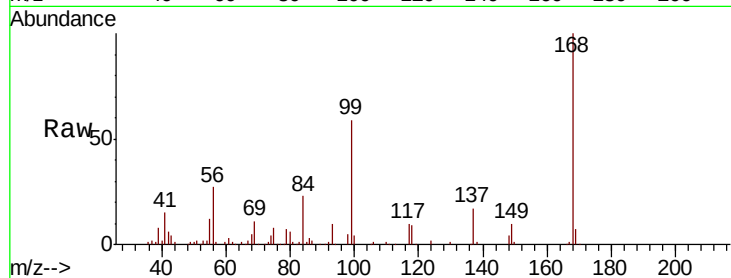
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 208595

Ion Ratio Lower Upper

168 100

99 59.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): VN059587.D (-1807) (-)

Ion 98.90 (98.60 to 99.60): VN059587.D (-1807) (-)

7.64

80000

60000

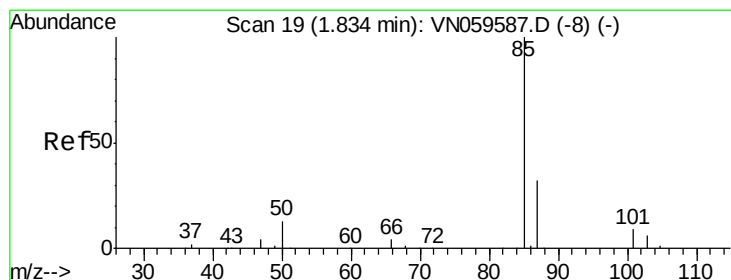
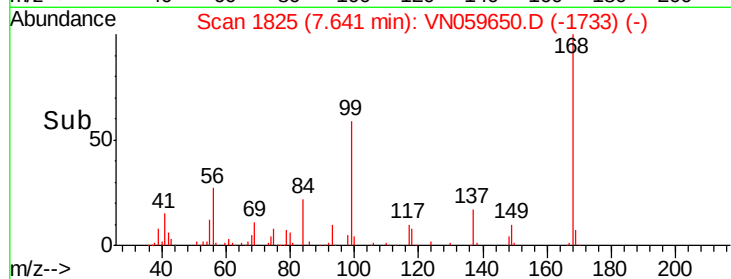
40000

20000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 16.233 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059650.D

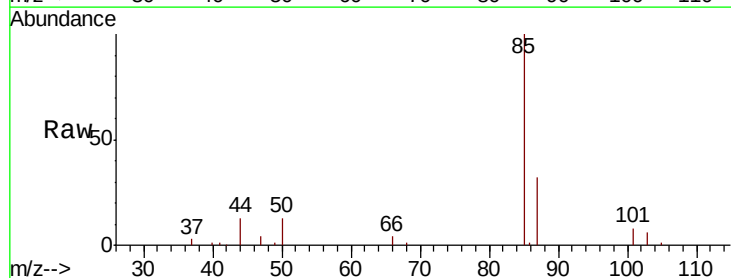
Acq: 18 Dec 2019 15:29

Tgt Ion: 85 Resp: 43755

Ion Ratio Lower Upper

85 100

87 31.6 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VN059587.D (-8) (-)

Ion 86.90 (86.60 to 87.60): VN059587.D (-8) (-)

1.83

40000

30000

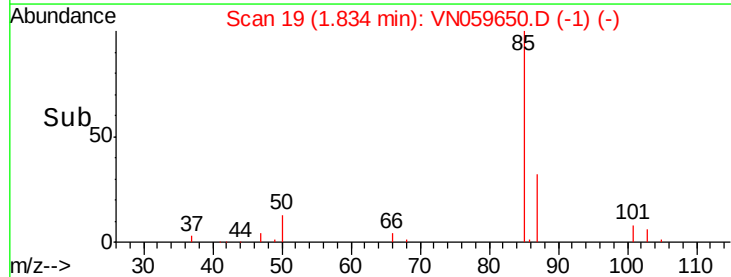
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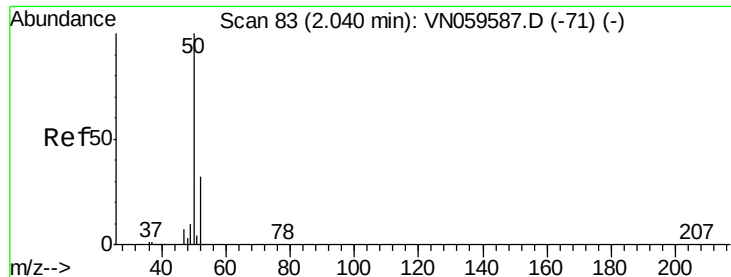
10000

0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 14.829 ug/l

RT: 2.04 min Scan# 82

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

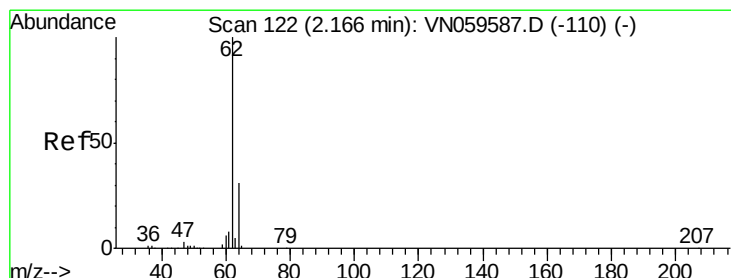
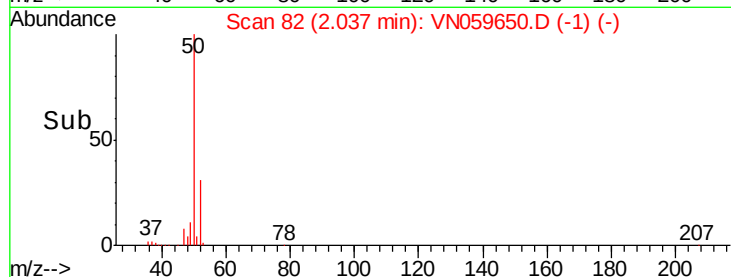
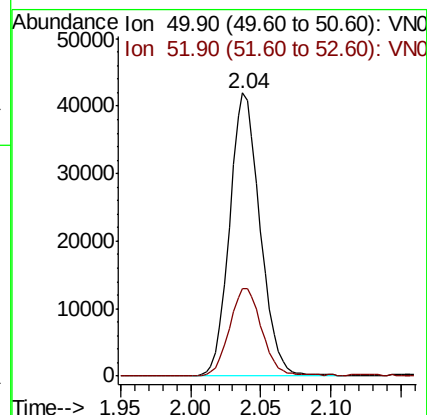
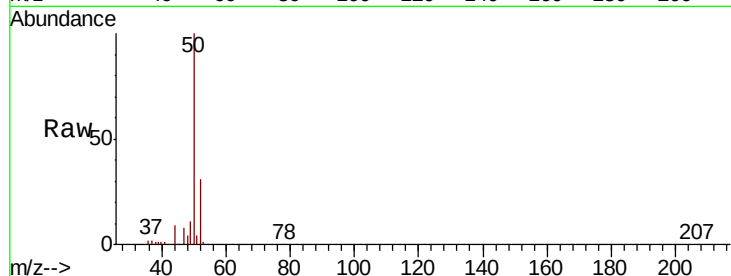
ClientSampleId :

Tot Ion: 50 Resp: 63429

Ion Ratio Lower Upper

50 100

52 30.8 25.9 38.9



#4

Vinyl Chloride

Concen: 17.759 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059650.D

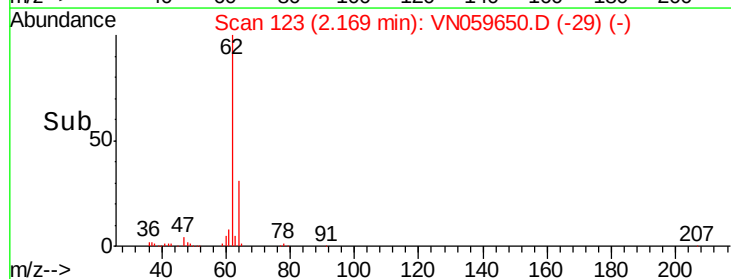
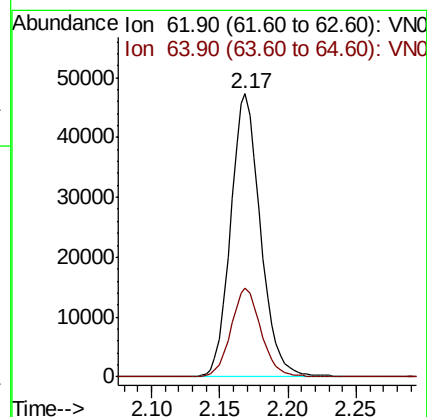
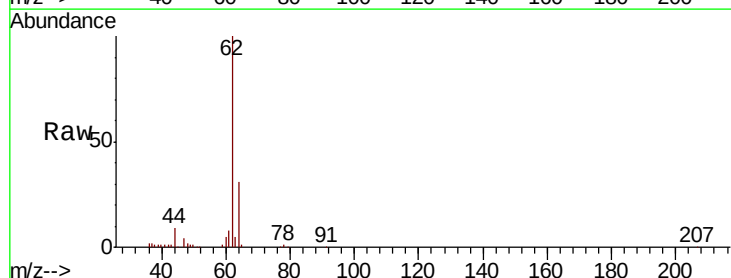
Acq: 18 Dec 2019 15:29

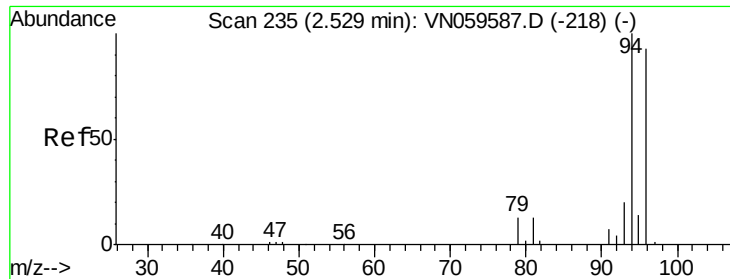
Tgt Ion: 62 Resp: 72035

Ion Ratio Lower Upper

62 100

64 31.5 24.6 37.0

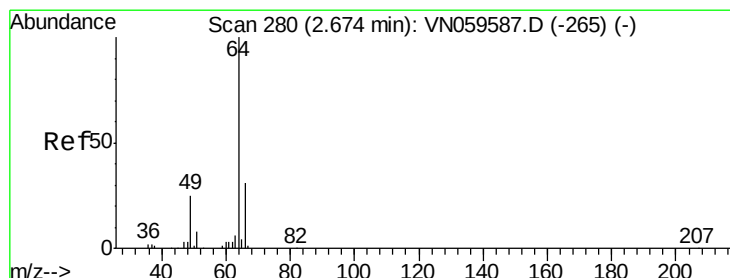
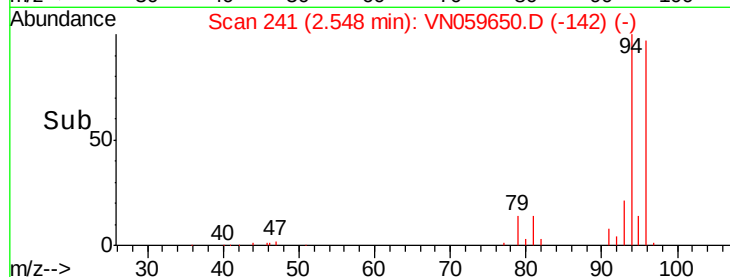
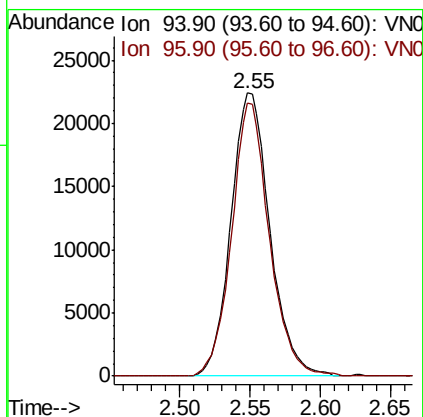
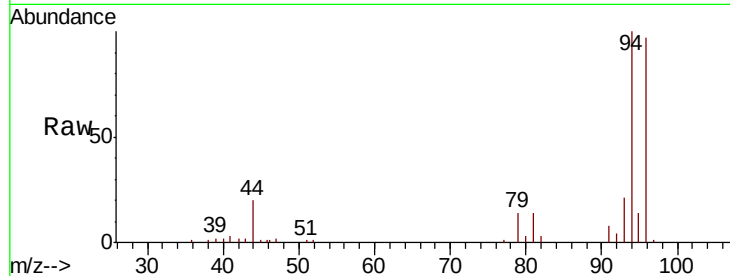




#5
Bromomethane
Concen: 18.367 ug/l
RT: 2.55 min Scan# 241
Delta R.T. 0.02 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

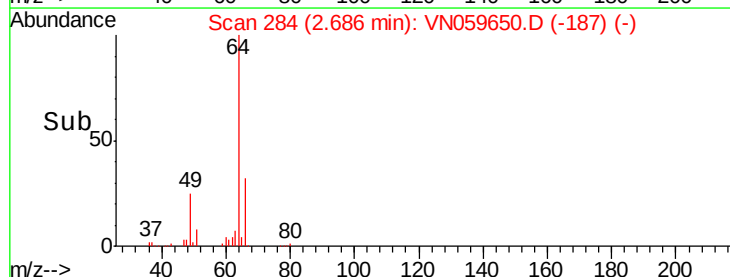
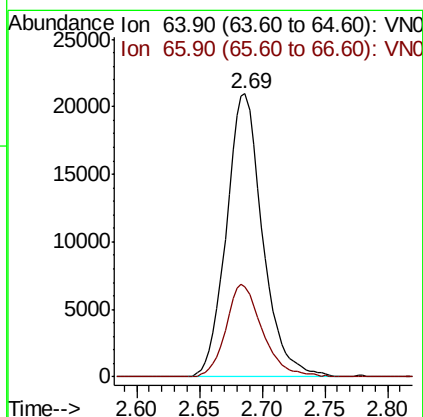
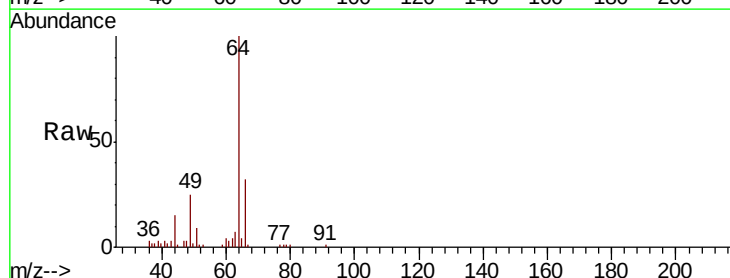
Instrument :
MSVOA_N
ClientSampled :

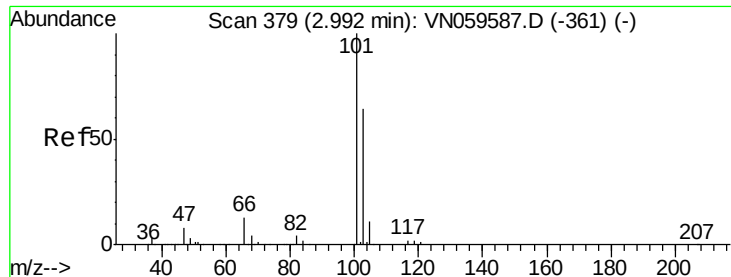
Tot Ion: 94 Resp: 43312
Ion Ratio Lower Upper
94 100
96 96.6 74.7 112.1



#6
Chloroethane
Concen: 18.419 ug/l
RT: 2.69 min Scan# 284
Delta R.T. 0.01 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 64 Resp: 41990
Ion Ratio Lower Upper
64 100
66 31.9 25.1 37.7



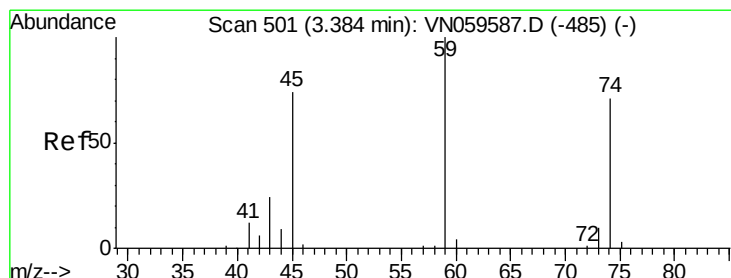
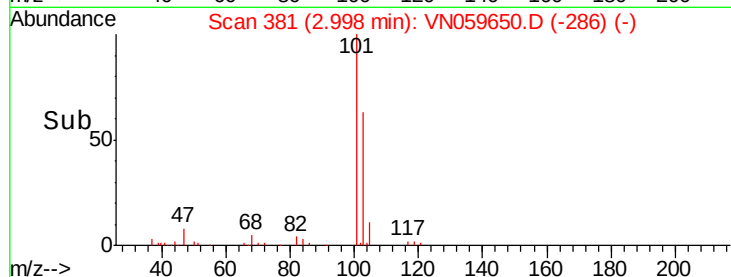
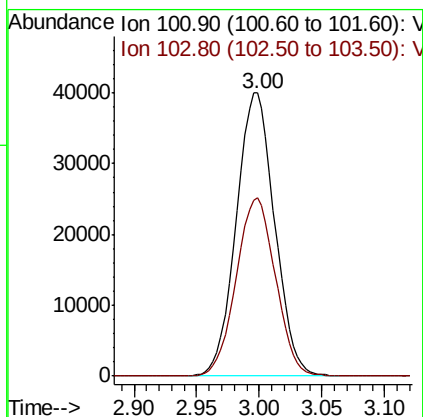
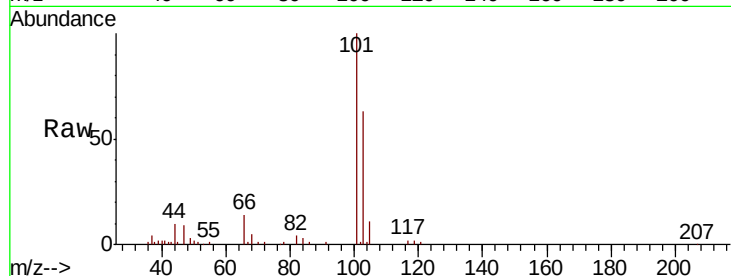


#7

Trichlorofluoromethane
 Concen: 19.116 ug/l
 RT: 3.00 min Scan# 381
 Delta R.T. 0.01 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Instrument :
 MSVOA_N
 ClientSampled :

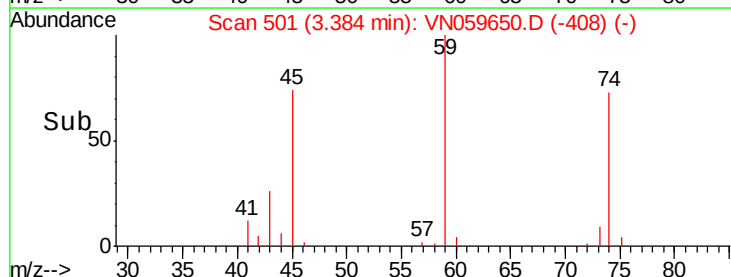
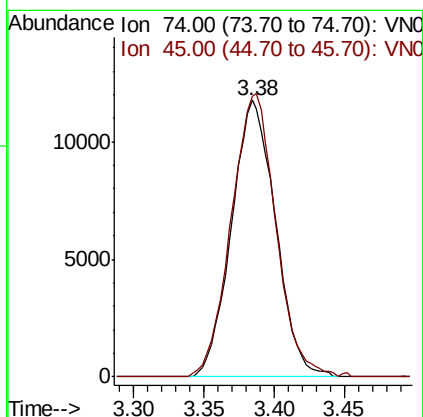
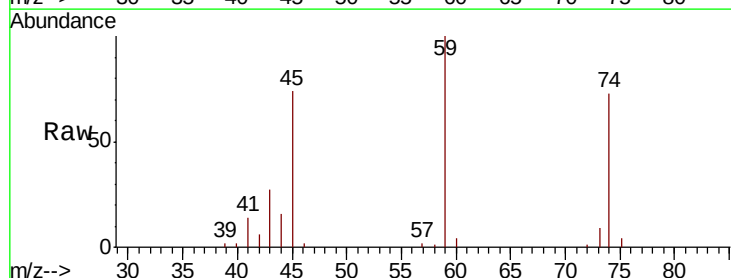
Tot Ion:101 Resp: 85077
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.0 76.6

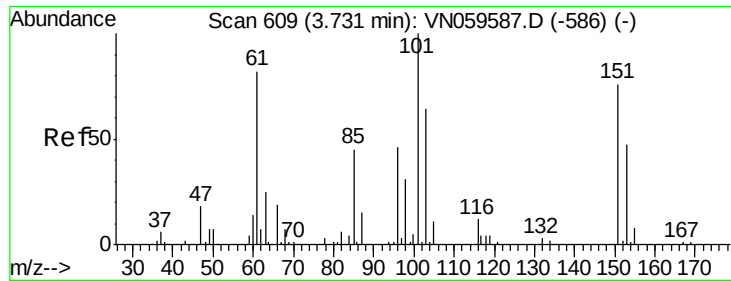


#8

Diethyl Ether
 Concen: 18.491 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 74 Resp: 25713
 Ion Ratio Lower Upper
 74 100
 45 103.8 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.703 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

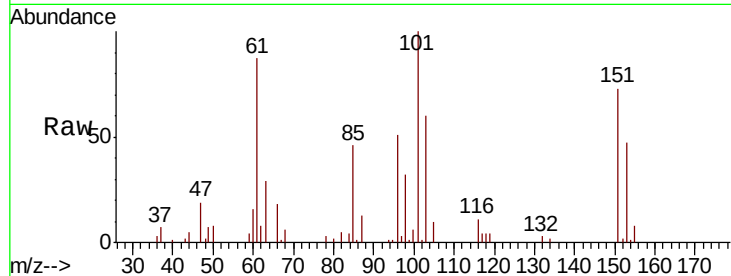
Tot Ion:101 Resp: 39705

Ion Ratio Lower Upper

101 100

85 46.9 36.6 54.8

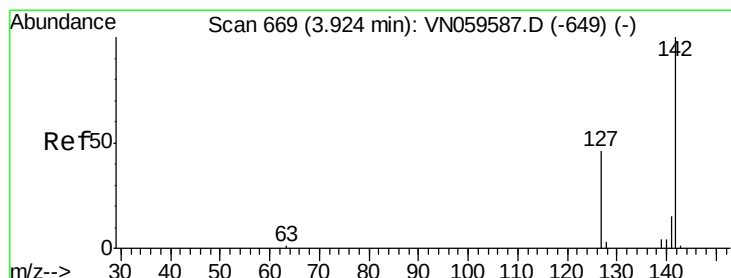
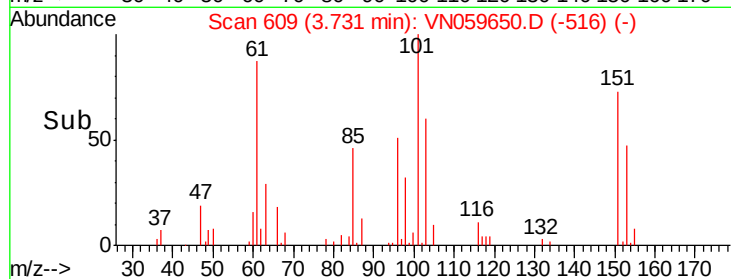
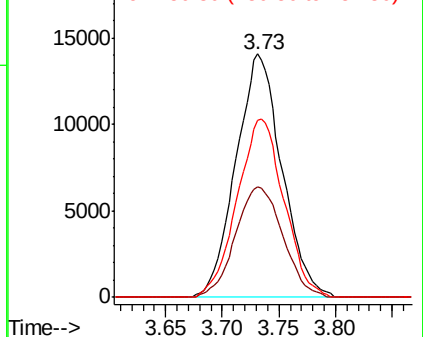
151 74.5 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.298 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

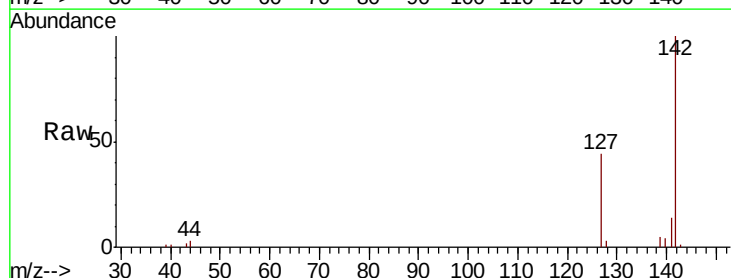
Tgt Ion:142 Resp: 51362

Ion Ratio Lower Upper

142 100

127 45.2 36.7 55.1

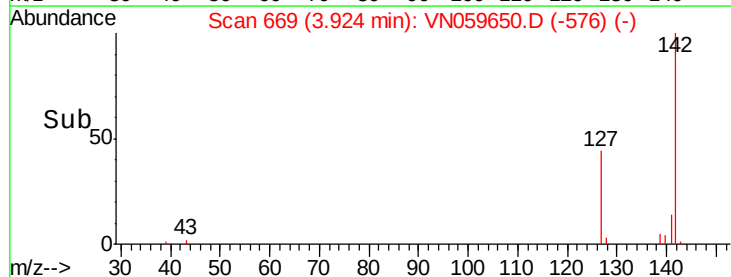
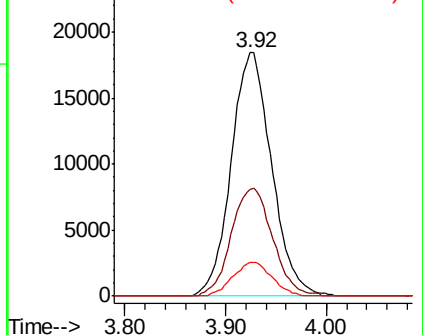
141 13.4 11.7 17.5

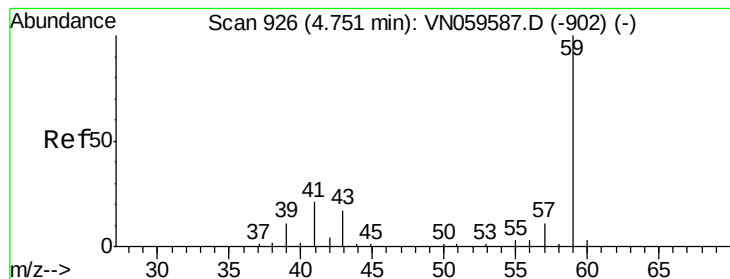


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 81.297 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.01 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

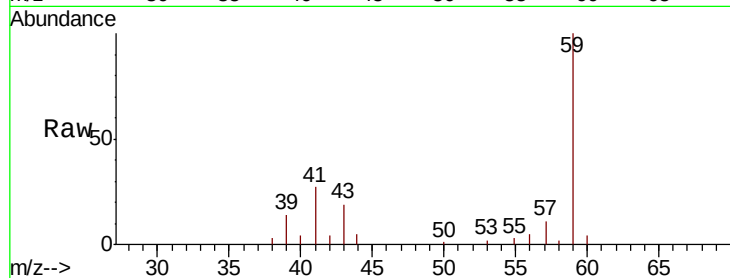
ClientSampled :

Tot Ion: 59 Resp: 45240

Ion Ratio Lower Upper

59 100

57 11.0 8.6 12.8



Abundance Ion 59.00 (58.70 to 59.70): VN059587.D (-902) (-)

Ion 57.00 (56.70 to 57.70): VN059587.D (-902) (-)

4.74

15000

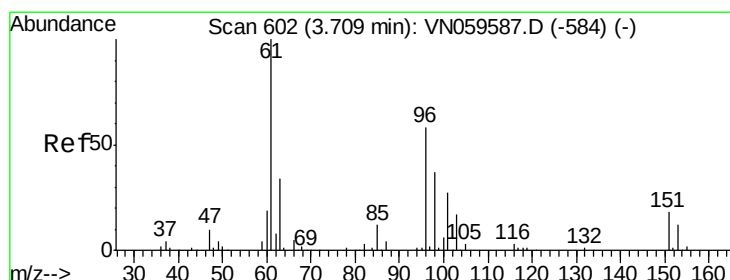
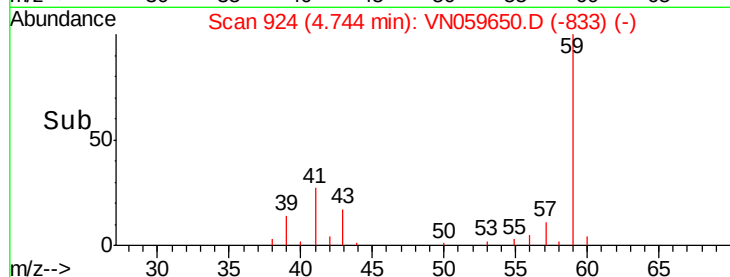
10000

5000

0

Time-->

4.60 4.70 4.80



#12

1,1-Dichloroethene

Concen: 17.249 ug/l

RT: 3.71 min Scan# 603

Delta R.T. 0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

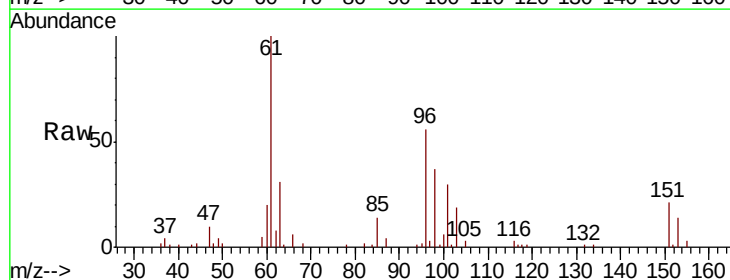
Tgt Ion: 96 Resp: 37739

Ion Ratio Lower Upper

96 100

61 178.4 137.5 206.3

98 65.4 50.2 75.4



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-584) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-584) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-584) (-)

3.71

30000

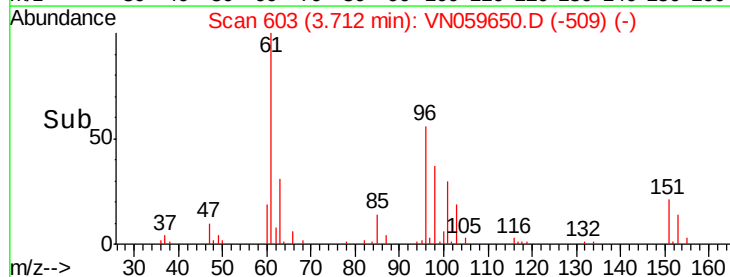
20000

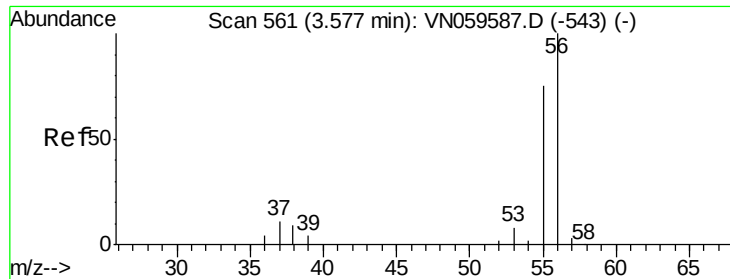
10000

0

Time-->

3.60 3.65 3.70 3.75 3.80

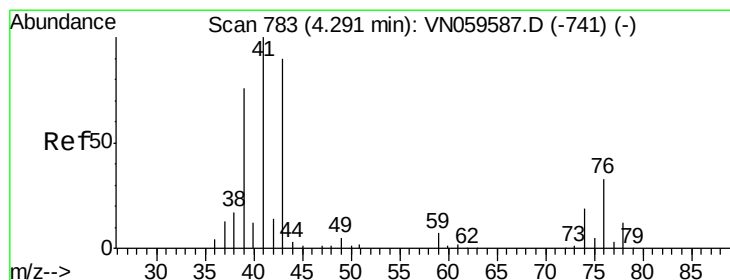
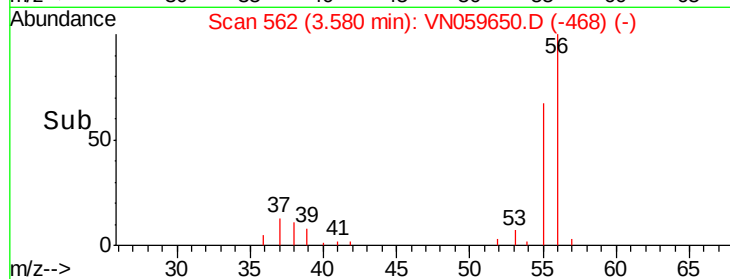
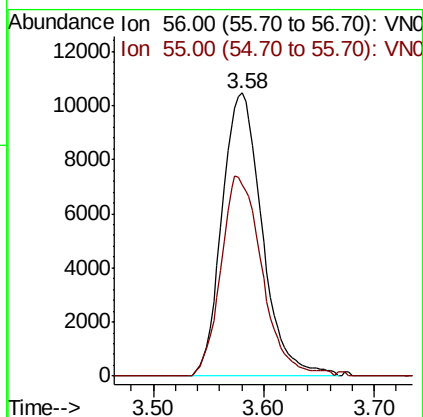
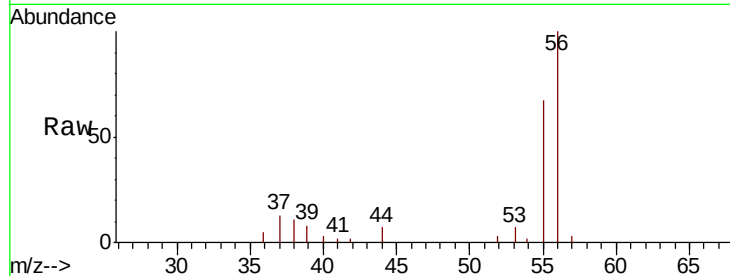




#13
 Acrolein
 Concen: 66.662 ug/l
 RT: 3.58 min Scan# 562
 Delta R.T. 0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

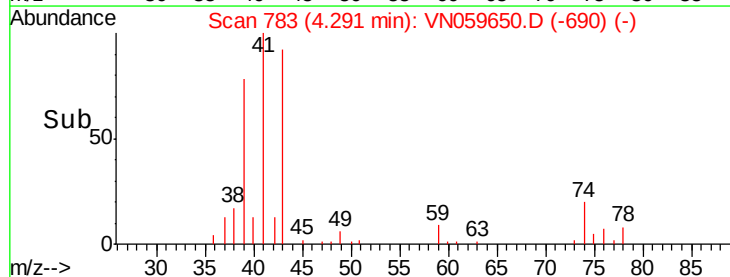
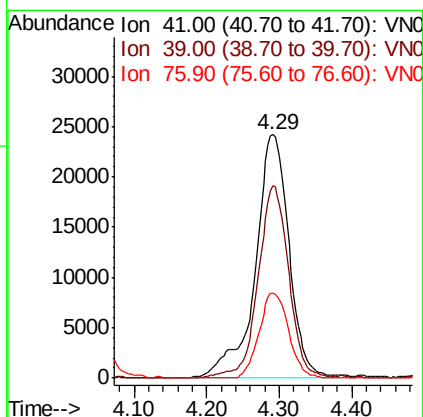
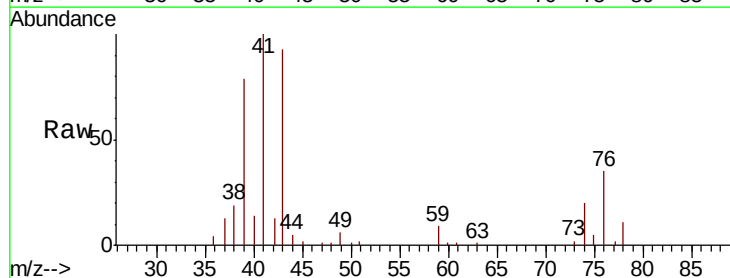
Instrument :
 MSVOA_N
 ClientSampleId :

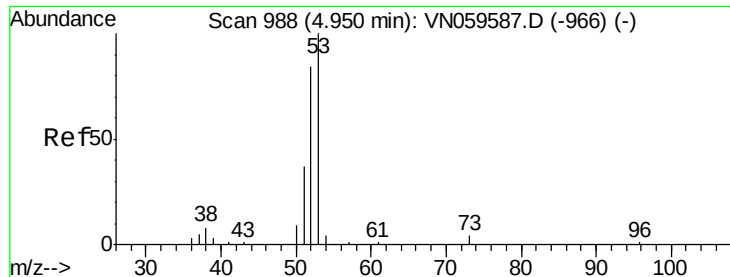
Tot Ion: 56 Resp: 26425
 Ion Ratio Lower Upper
 56 100
 55 72.3 58.6 88.0



#14
 Allyl chloride
 Concen: 17.518 ug/l
 RT: 4.29 min Scan# 783
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 41 Resp: 78683
 Ion Ratio Lower Upper
 41 100
 39 71.5 57.8 86.8
 76 30.4 25.4 38.0





#15

Acrylonitrile

Concen: 92.591 ug/l

RT: 4.95 min Scan# 987

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

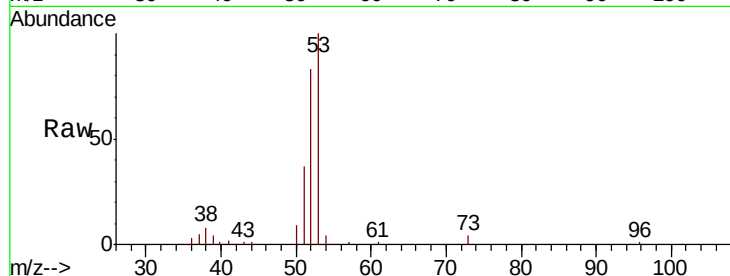
Tot Ion: 53 Resp: 124633

Ion Ratio Lower Upper

53 100

52 82.5 66.3 99.5

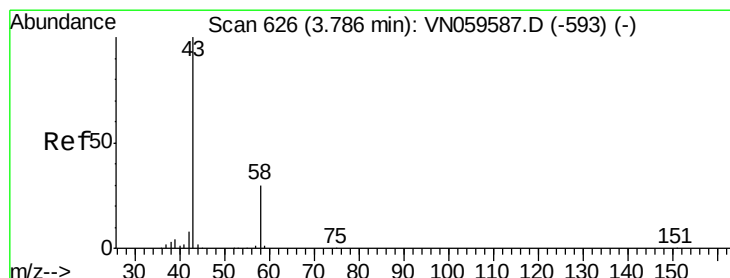
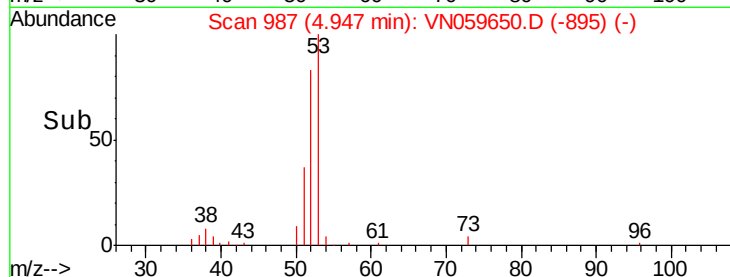
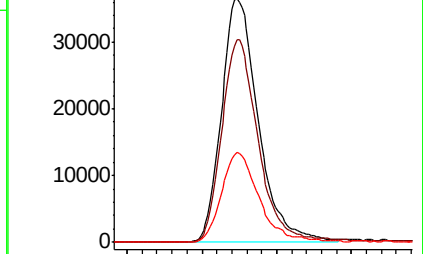
51 37.7 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN059587.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059587.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059587.D (-966) (-)



#16

Acetone

Concen: 79.528 ug/l

RT: 3.79 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN059650.D

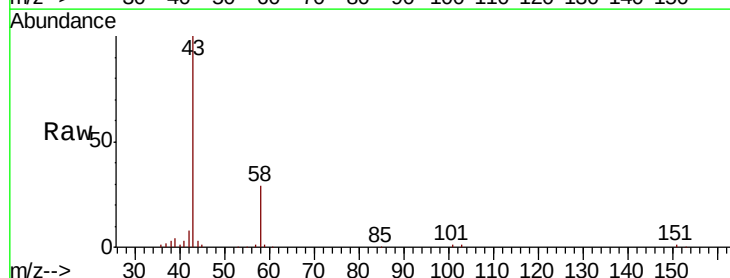
Acq: 18 Dec 2019 15:29

Tgt Ion: 43 Resp: 143319

Ion Ratio Lower Upper

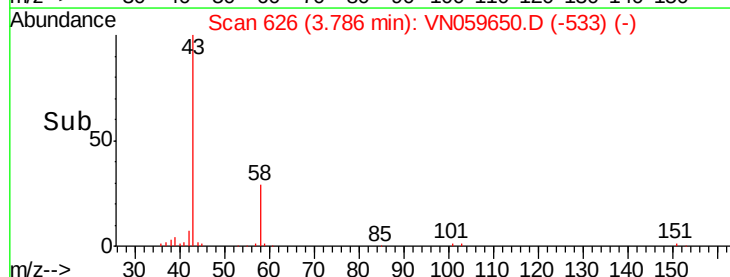
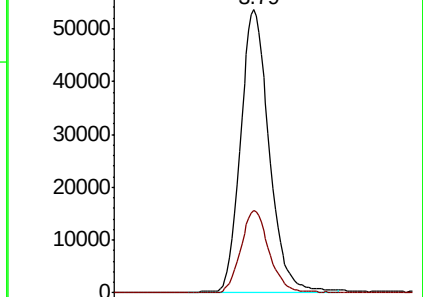
43 100

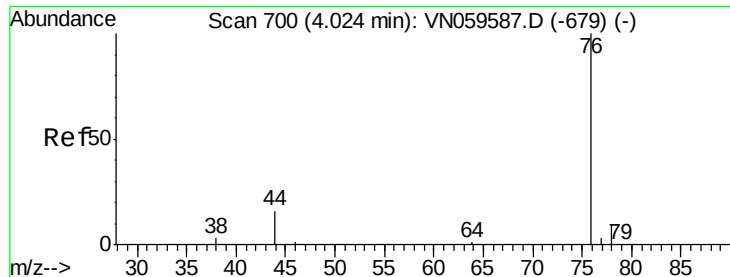
58 29.0 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-593) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-593) (-)





#17

Carbon Disulfide

Concen: 16.684 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

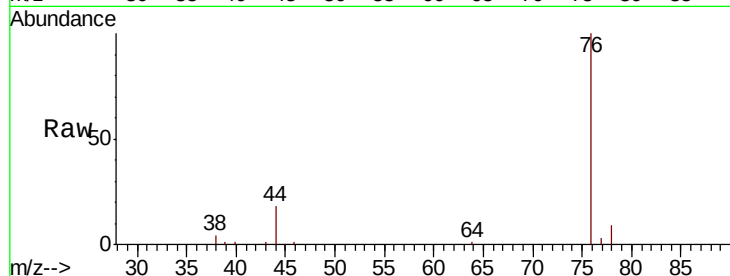
ClientSampleId :

Tot Ion: 76 Resp: 120921

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

50000

40000

30000

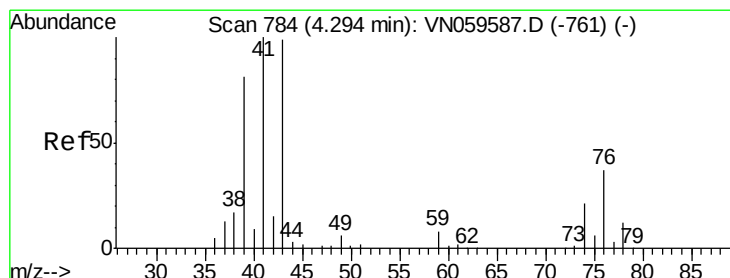
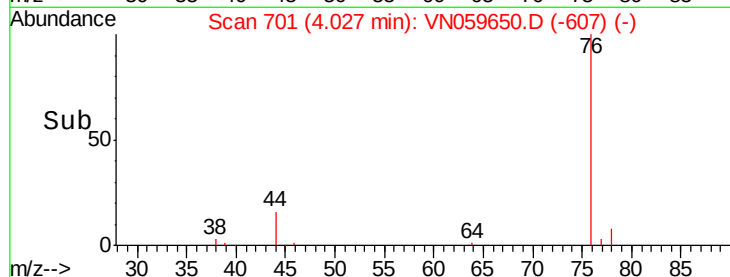
20000

10000

0

Time-->

3.90 4.00 4.10



#18

Methyl Acetate

Concen: 17.528 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059650.D

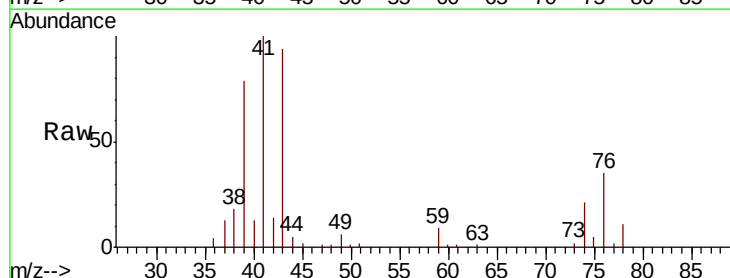
Acq: 18 Dec 2019 15:29

Tgt Ion: 43 Resp: 66191

Ion Ratio Lower Upper

43 100

74 20.6 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

25000

20000

15000

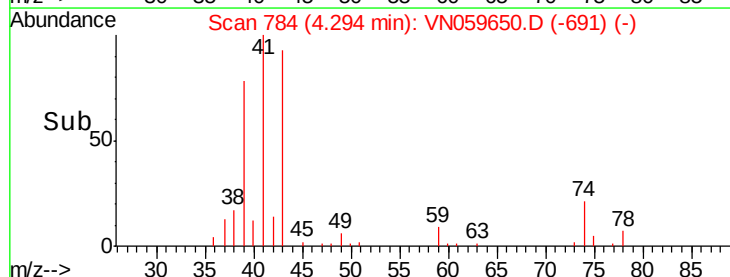
10000

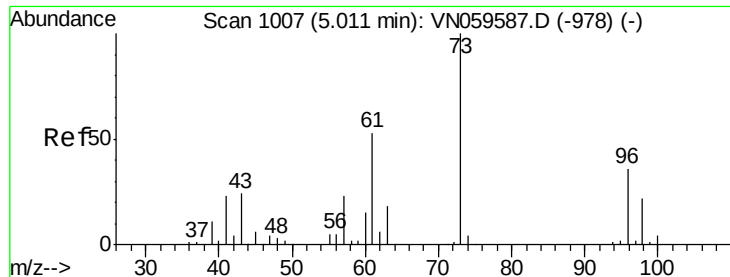
5000

0

Time-->

4.20 4.30 4.40

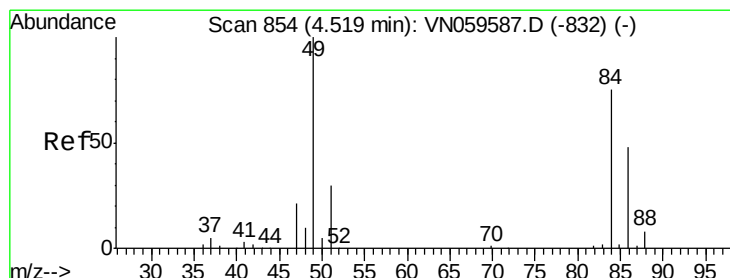
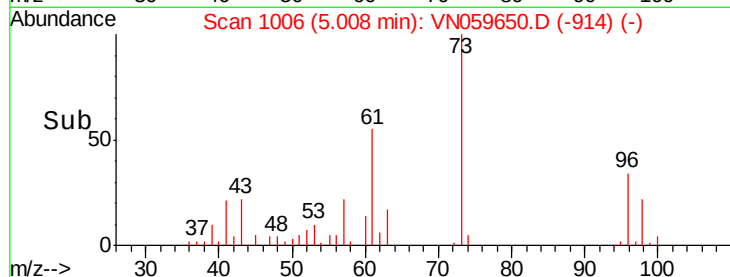
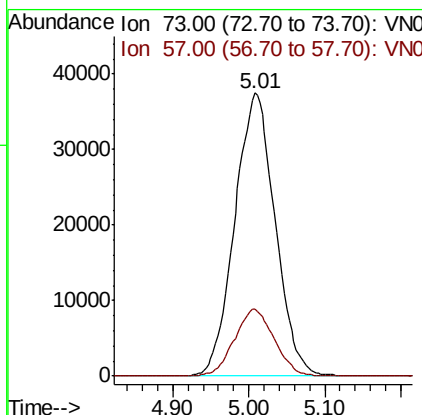
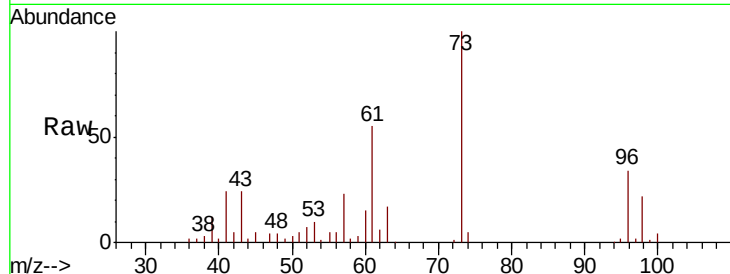




#19
Methyl tert-butyl Ether
Concen: 17.878 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

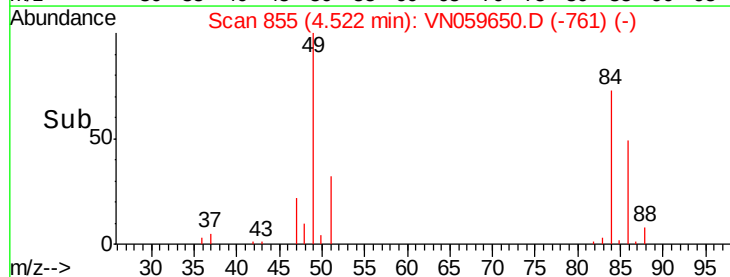
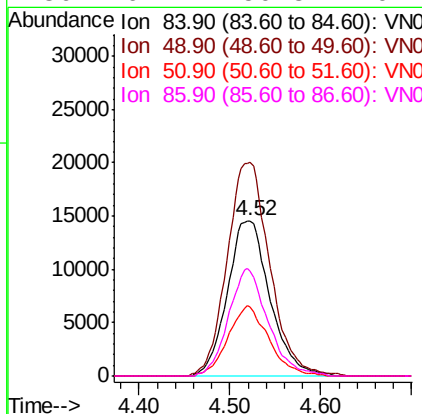
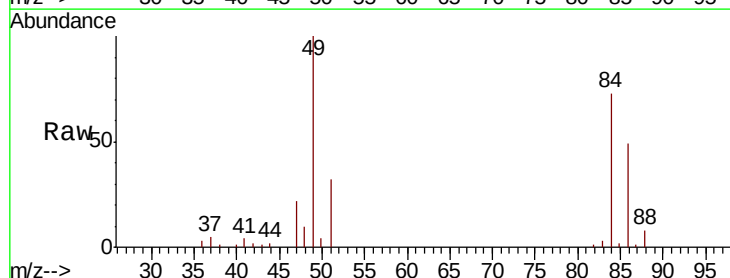
Instrument :
MSVOA_N
ClientSampled :

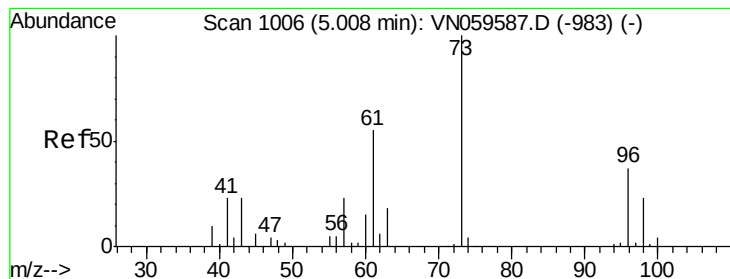
Tot Ion: 73 Resp: 138107
Ion Ratio Lower Upper
73 100
57 23.5 18.6 27.8



#20
Methylene Chloride
Concen: 18.188 ug/l
RT: 4.52 min Scan# 855
Delta R.T. 0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 84 Resp: 47338
Ion Ratio Lower Upper
84 100
49 137.8 106.6 160.0
51 44.4 31.9 47.9
86 67.7 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 17.298 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. -0.00 min

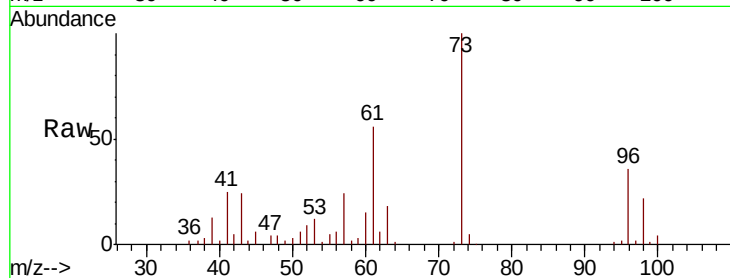
Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 42190

Ion	Ratio	Lower	Upper
96	100		
61	157.3	120.4	180.6
98	61.8	50.6	75.8

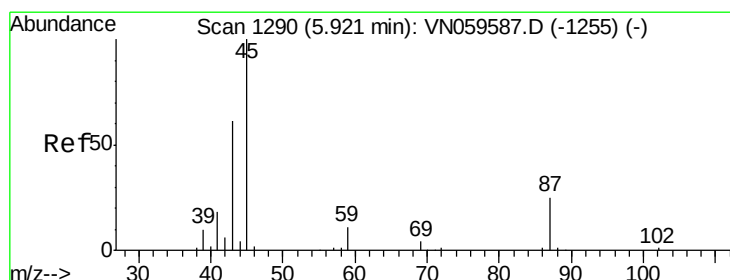
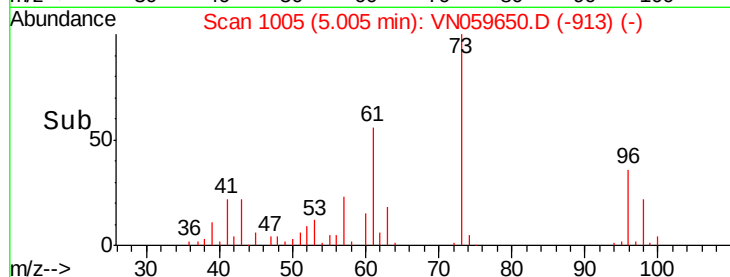
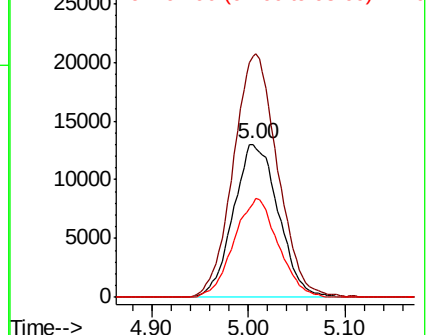


Abundance

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: 18.519 ug/l

RT: 5.92 min Scan# 1289

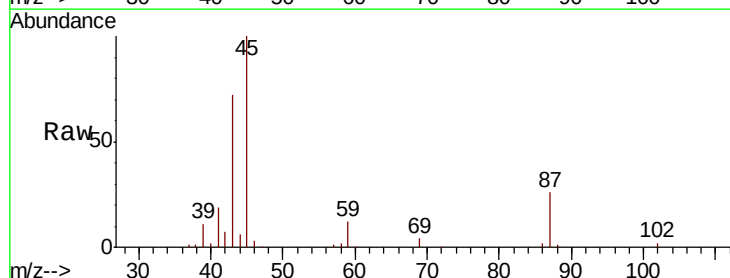
Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Tgt Ion: 45 Resp: 153347

Ion	Ratio	Lower	Upper
45	100		
43	69.3	50.8	76.2
87	25.9	21.0	31.6
59	11.6	9.1	13.7



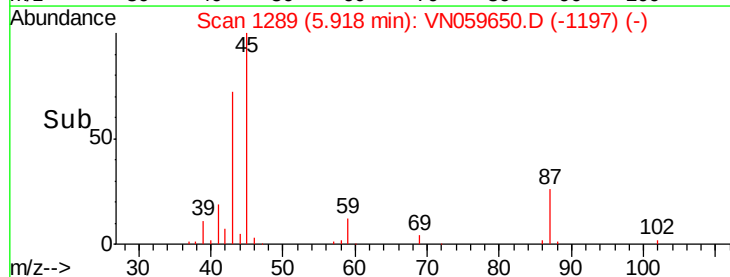
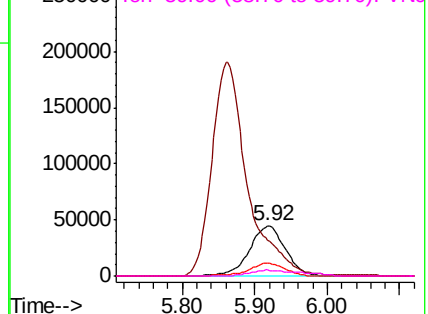
Abundance

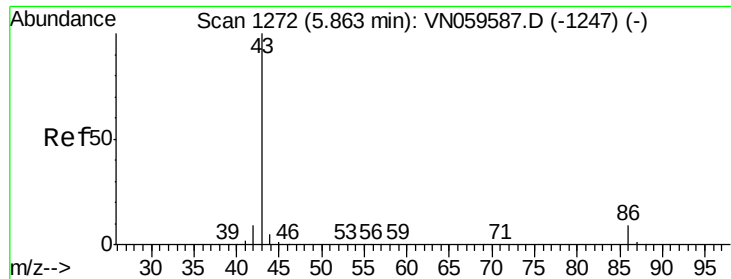
Ion 45.00 (44.70 to 45.70): VN0

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

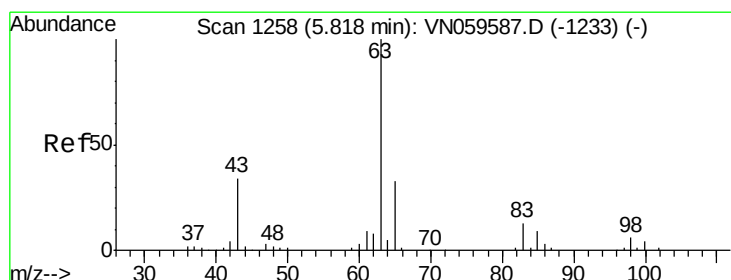
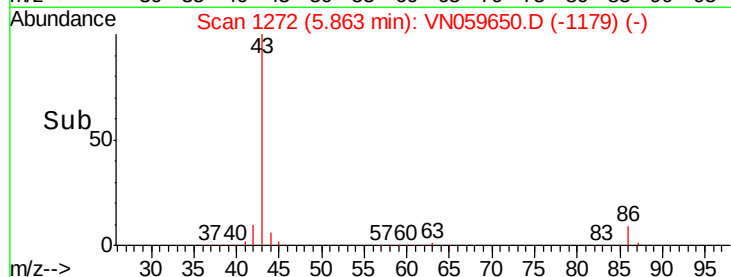
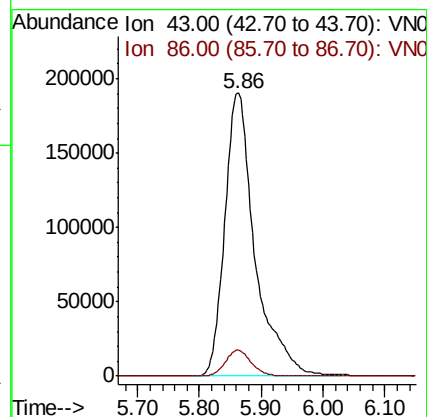
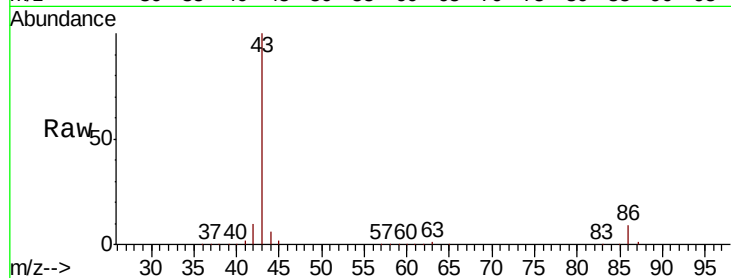




#23
 Vinyl Acetate
 Concen: 99.536 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

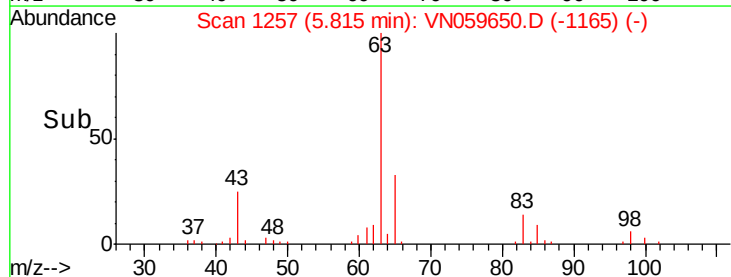
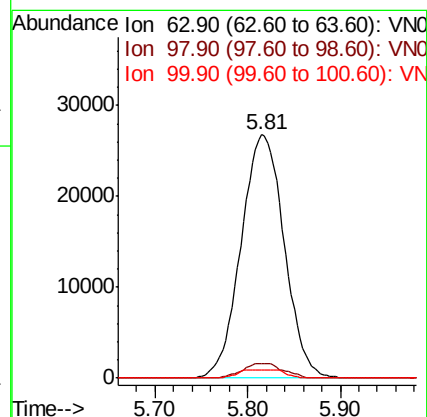
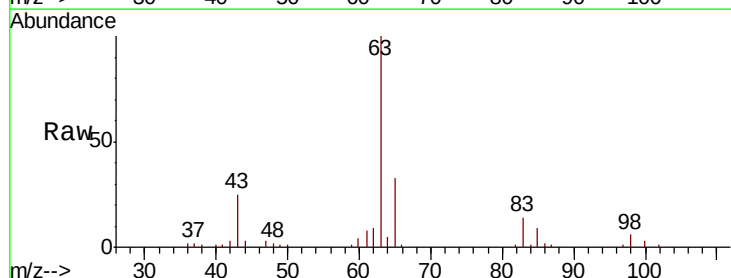
Instrument :
 MSVOA_N
 ClientSampled :

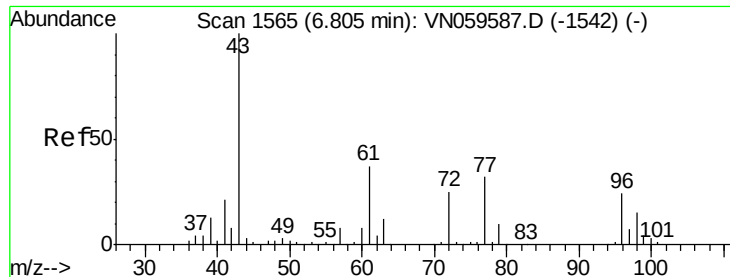
Tot Ion: 43 Resp: 646799
 Ion Ratio Lower Upper
 43 100
 86 9.2 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 18.451 ug/l
 RT: 5.81 min Scan# 1257
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 63 Resp: 86543
 Ion Ratio Lower Upper
 63 100
 98 6.0 2.9 8.7
 100 3.4 2.0 6.0





#25

2-Butanone

Concen: 85.374 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

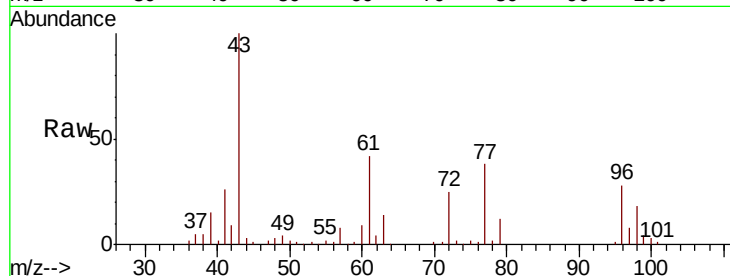
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 183980

Ion Ratio Lower Upper

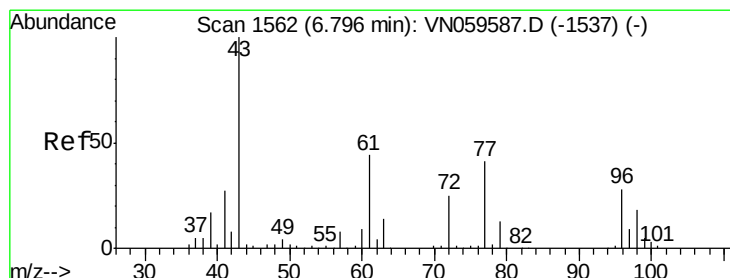
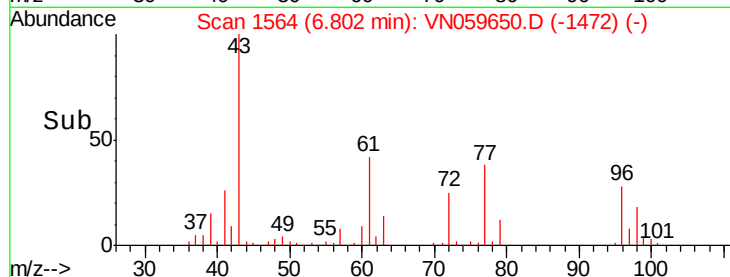
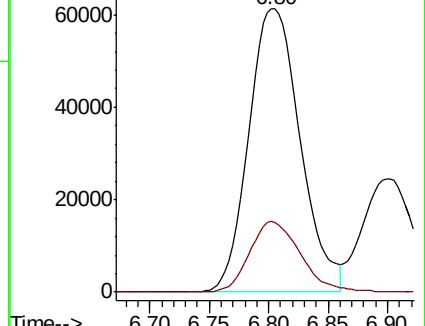
43 100

72 25.0 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1542) (-)

Ion 72.00 (71.70 to 72.70): VN059587.D (-1542) (-)



#26

2,2-Dichloropropane

Concen: 18.214 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. -0.00 min

Lab File: VN059650.D

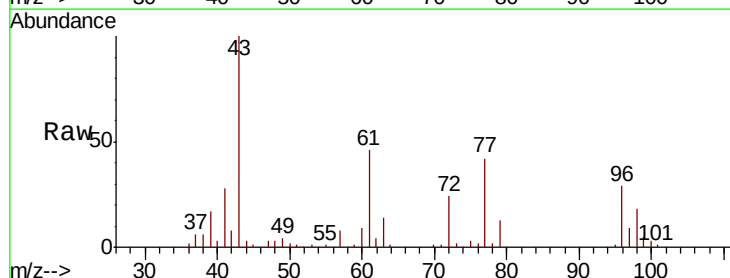
Acq: 18 Dec 2019 15:29

Tgt Ion: 77 Resp: 77645

Ion Ratio Lower Upper

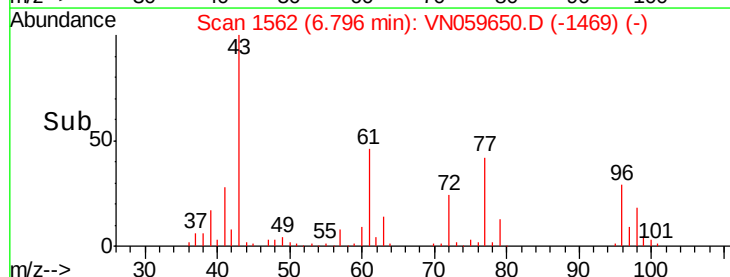
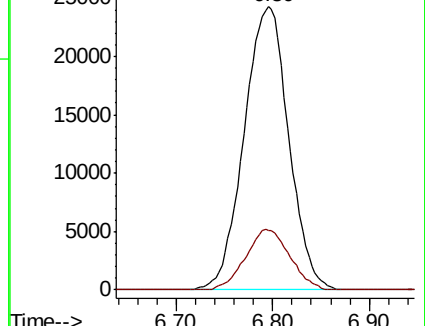
77 100

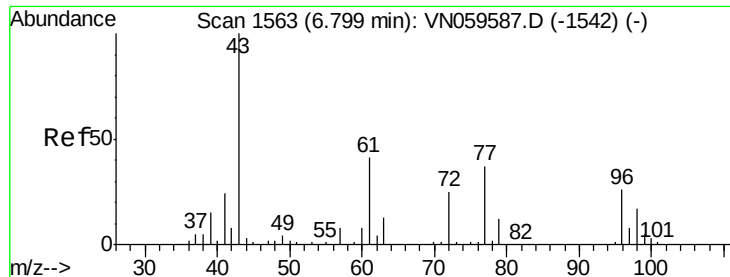
97 21.1 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN059587.D (-1537) (-)

Ion 96.90 (96.60 to 97.60): VN059587.D (-1537) (-)





#27

cis-1,2-Dichloroethene

Concen: 18.059 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :

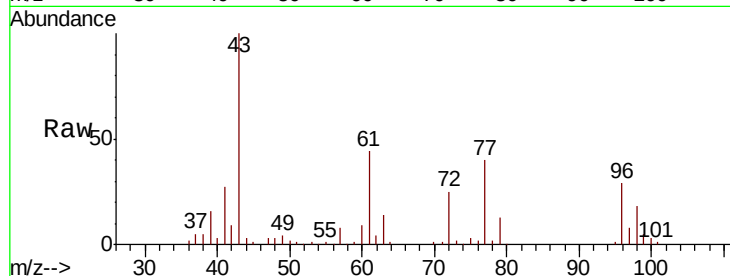
Tot Ion: 96 Resp: 48809

Ion Ratio Lower Upper

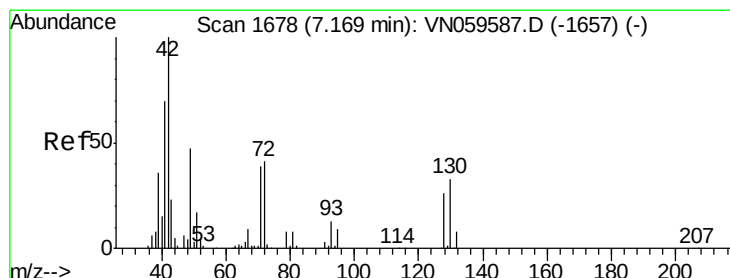
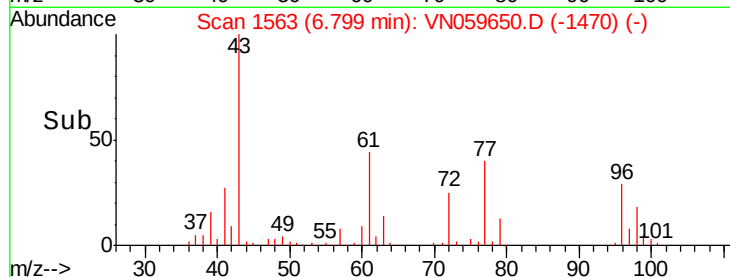
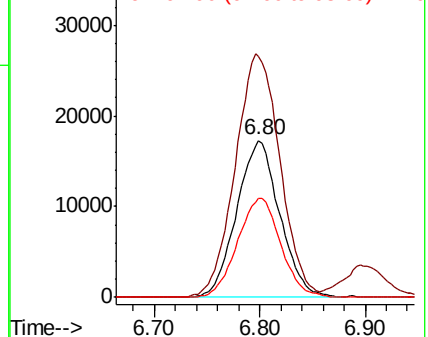
96 100

61 161.9 0.0 317.6

98 63.6 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: 21.908 ug/l

RT: 7.17 min Scan# 1678

Delta R.T. 0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

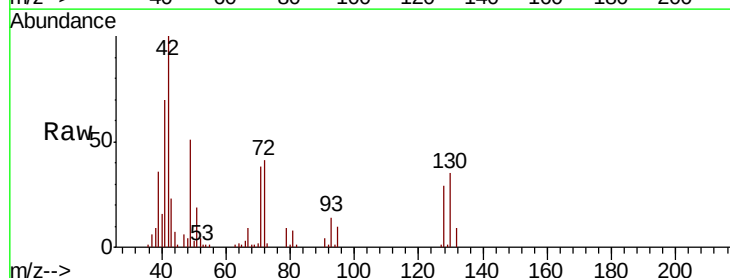
Tgt Ion: 49 Resp: 42655

Ion Ratio Lower Upper

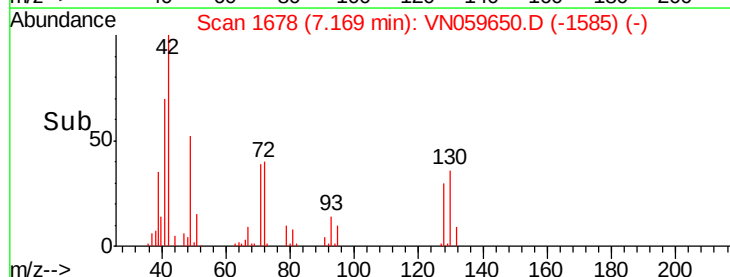
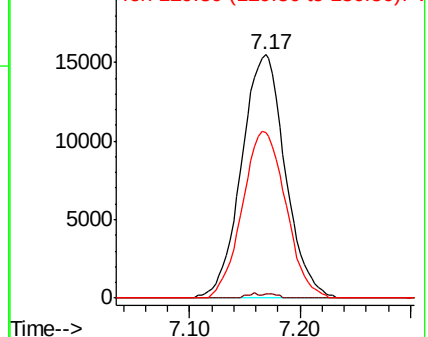
49 100

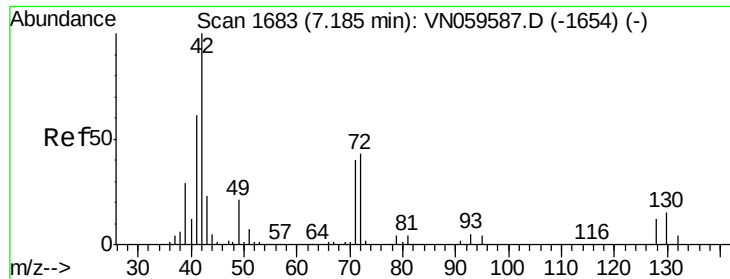
129 0.5 0.0 3.4

130 67.9 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

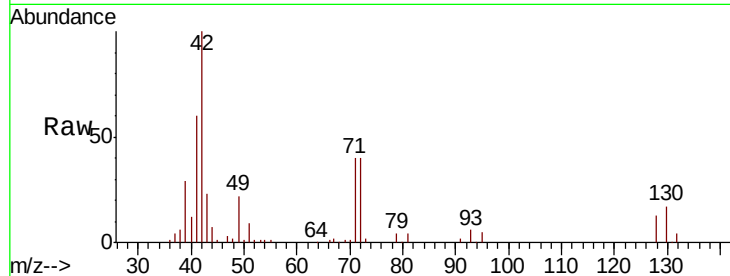




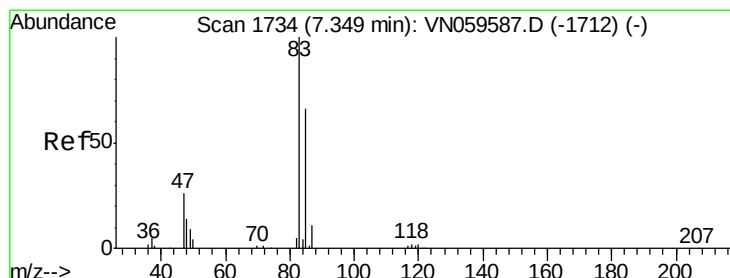
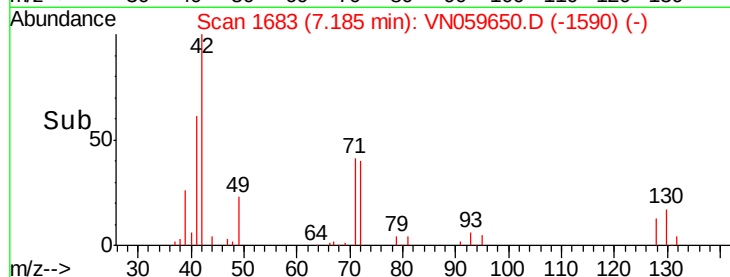
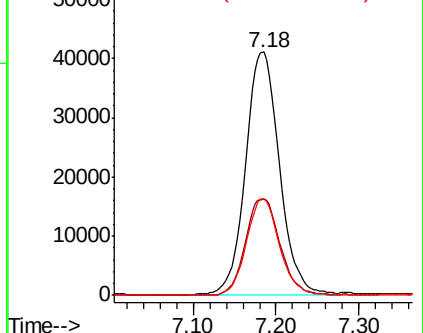
#29
Tetrahydrofuran
Concen: 89.458 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 42 Resp: 117458
Ion Ratio Lower Upper
42 100
72 40.3 33.1 49.7
71 38.4 31.4 47.0

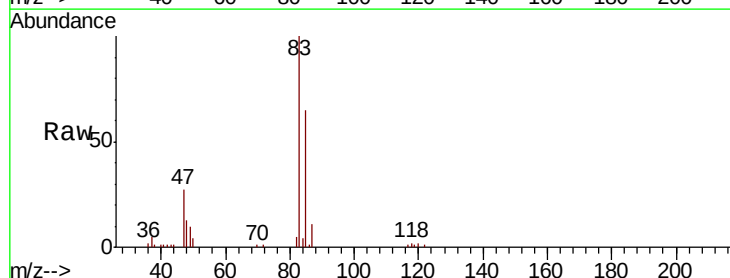


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

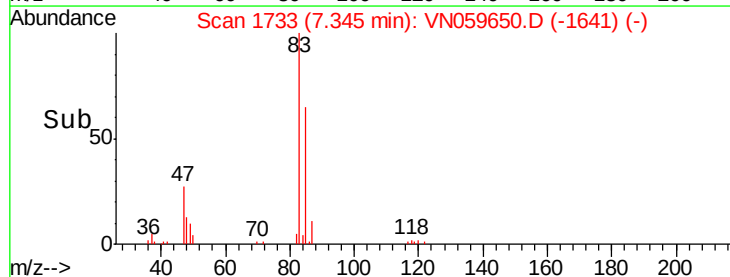
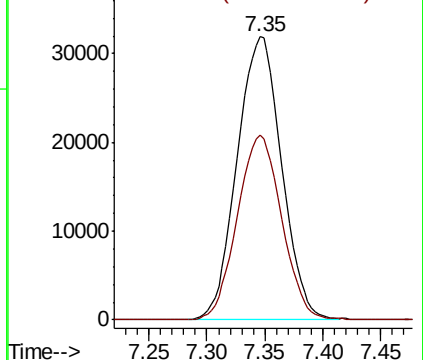


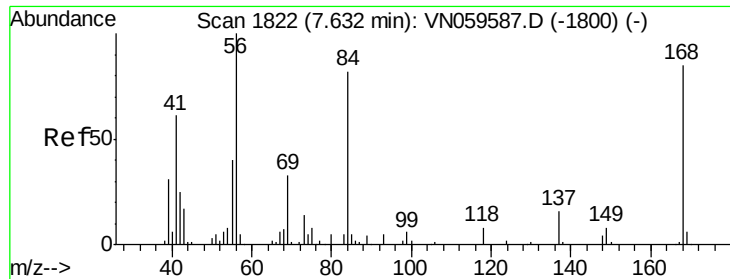
#30
Chloroform
Concen: 18.460 ug/l
RT: 7.35 min Scan# 1733
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 83 Resp: 85230
Ion Ratio Lower Upper
83 100
85 65.1 52.4 78.6



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

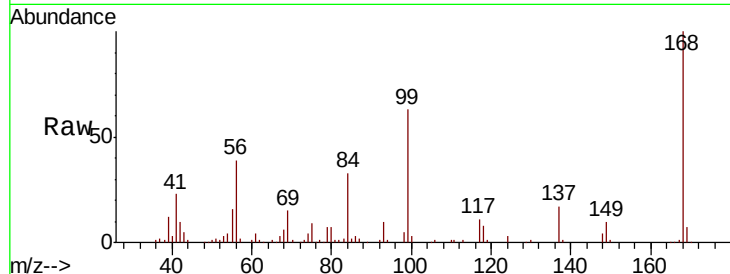




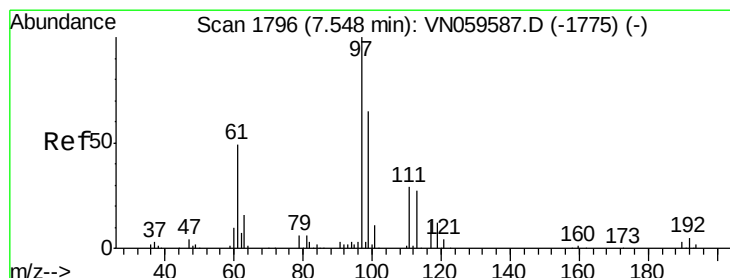
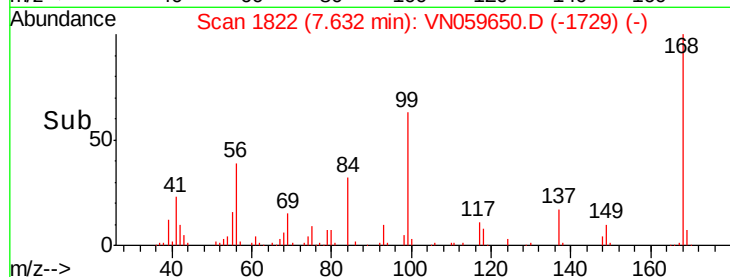
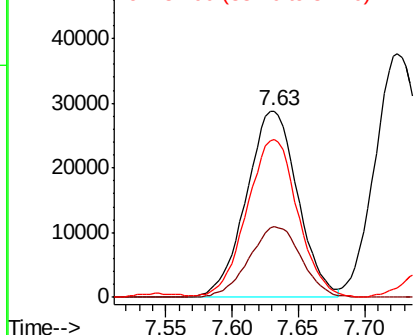
#31
Cyclohexane
Concen: 17.570 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 77869
Ion Ratio Lower Upper
56 100
69 37.9 26.5 39.7
84 83.3 65.3 97.9

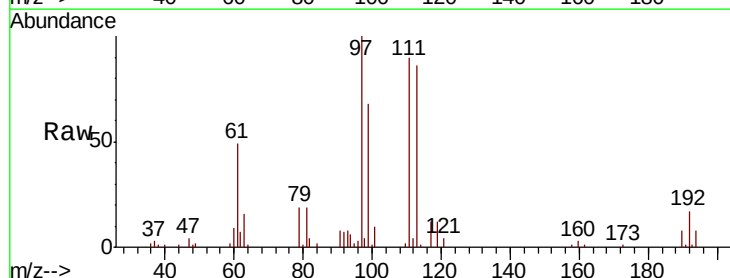


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

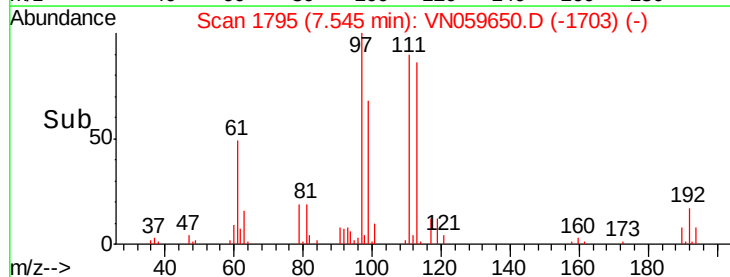
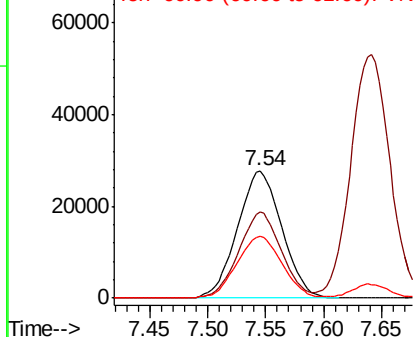


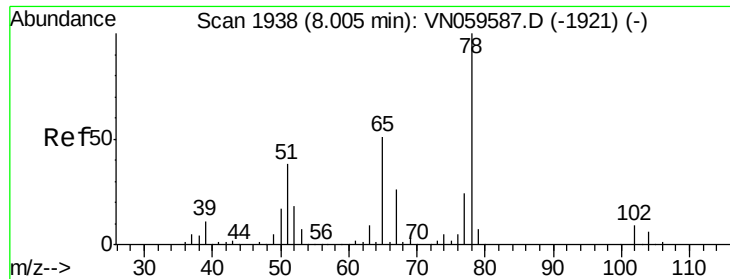
#32
1,1,1-Trichloroethane
Concen: 17.662 ug/l
RT: 7.54 min Scan# 1795
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 97 Resp: 73518
Ion Ratio Lower Upper
97 100
99 65.4 51.0 76.4
61 49.3 38.5 57.7



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

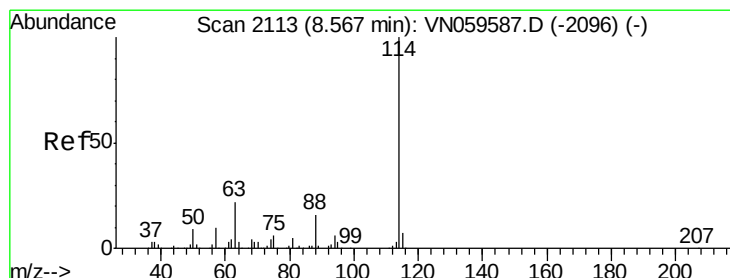
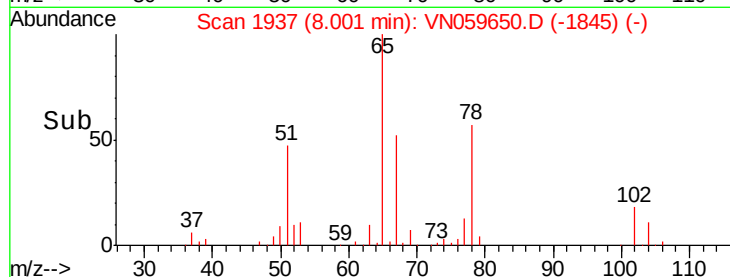
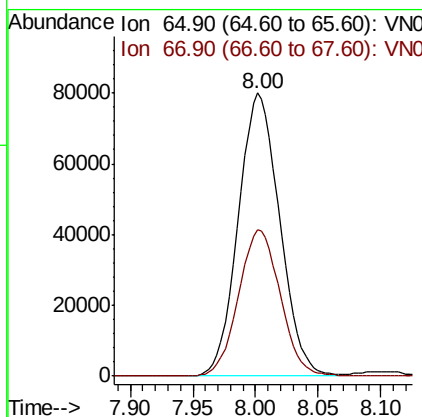
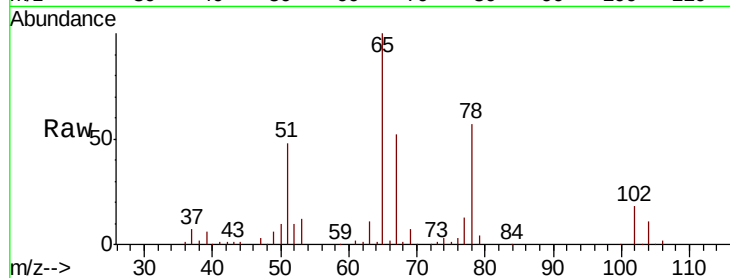




#33
 1,2-Dichloroethane-d4
 Concen: 60.587 ug/l
 RT: 8.00 min Scan# 1937
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

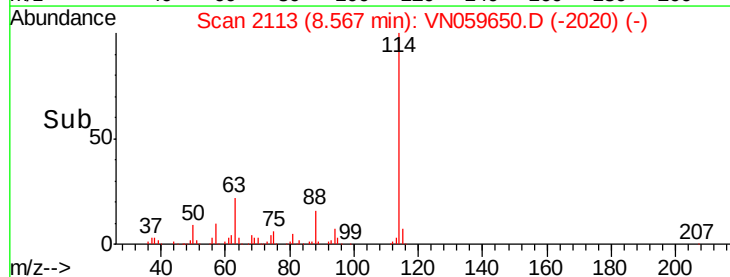
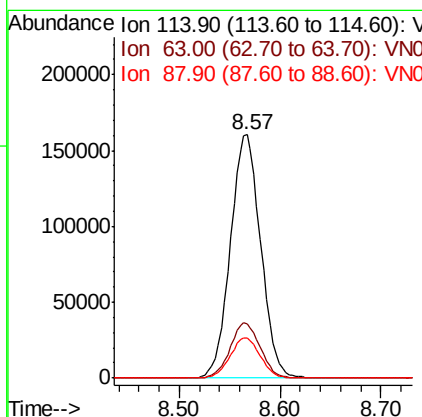
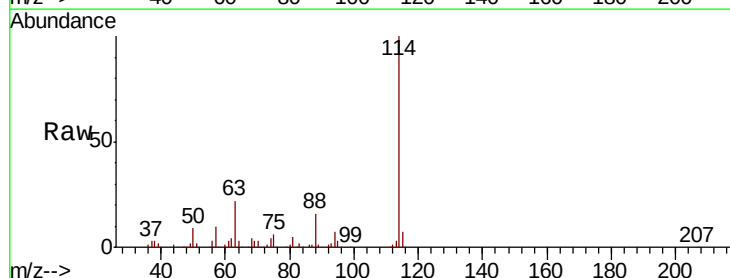
Instrument :
 MSVOA_N
 ClientSampled :

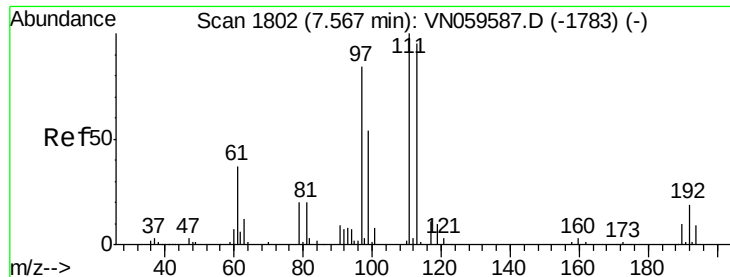
Tot Ion: 65 Resp: 183904
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 114 Resp: 334608
 Ion Ratio Lower Upper
 114 100
 63 22.3 0.0 43.6
 88 16.4 0.0 31.4

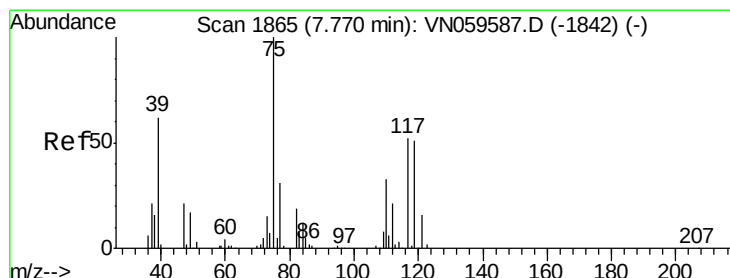
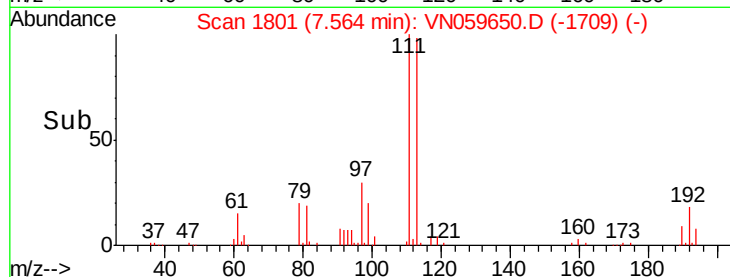
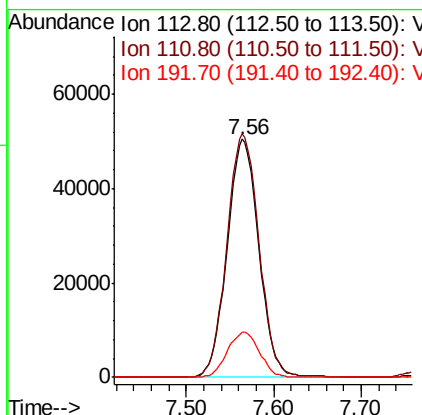
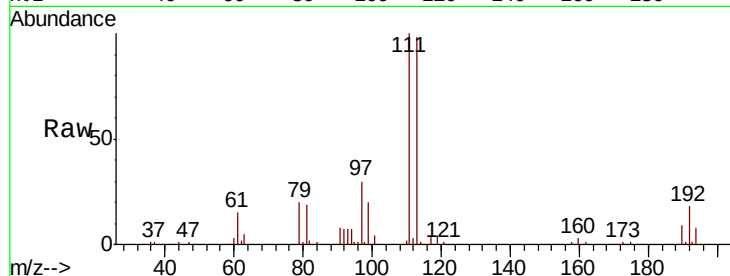




#35
 Dibromofluoromethane
 Concen: 60.618 ug/l
 RT: 7.56 min Scan# 1801
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

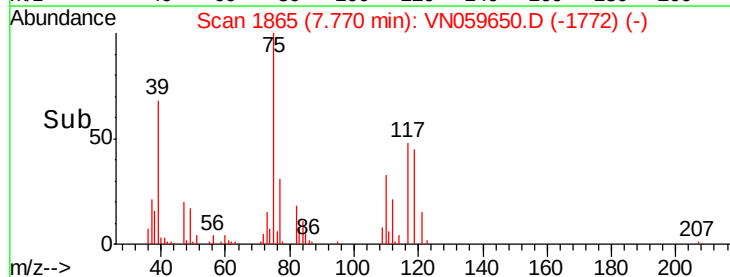
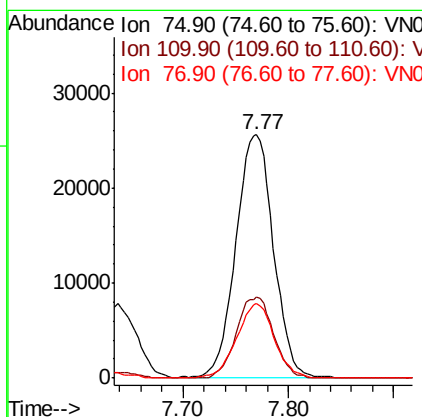
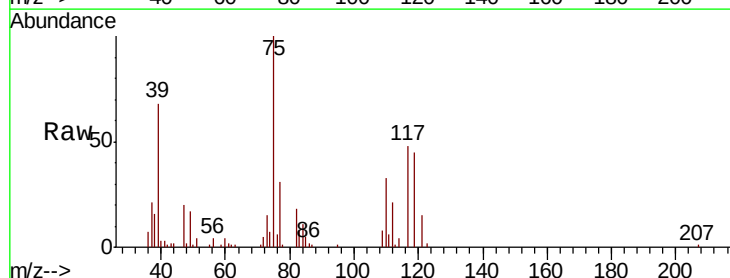
Instrument :
 MSVOA_N
 ClientSampleId :

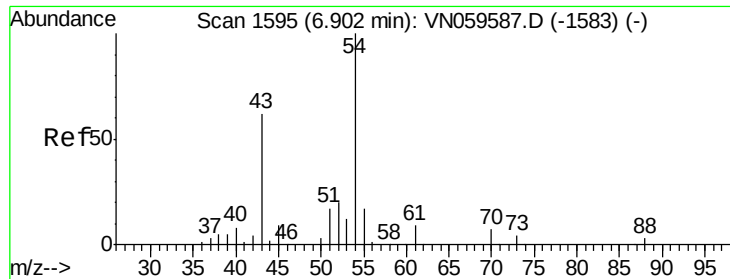
Tot Ion:113 Resp: 126910
 Ion Ratio Lower Upper
 113 100
 111 103.2 83.5 125.3
 192 19.1 15.4 23.2



#36
 1,1-Dichloropropene
 Concen: 18.228 ug/l
 RT: 7.77 min Scan# 1865
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 75 Resp: 63605
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.6 49.7
 77 30.5 25.1 37.7

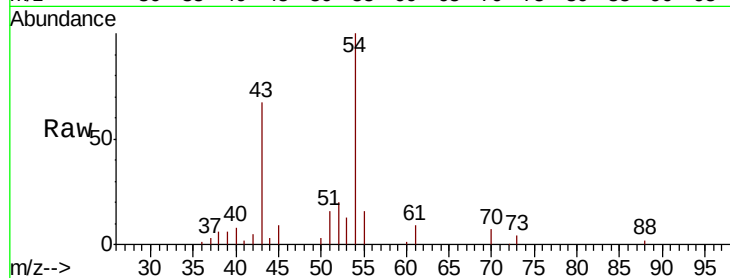




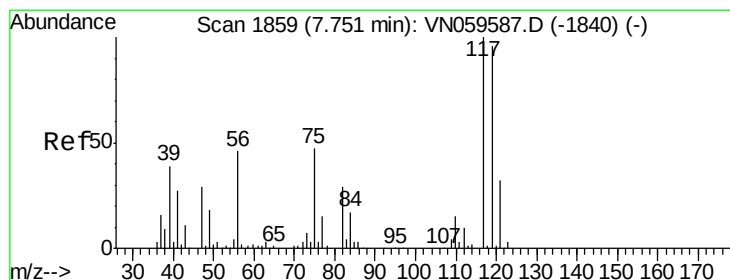
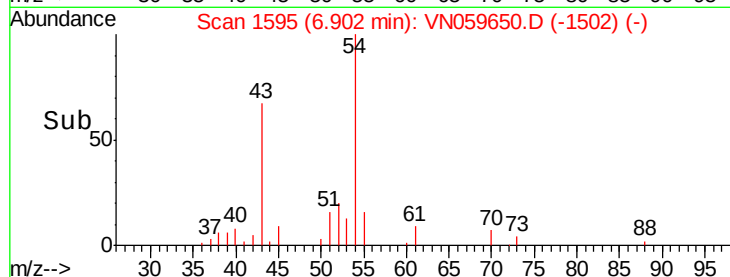
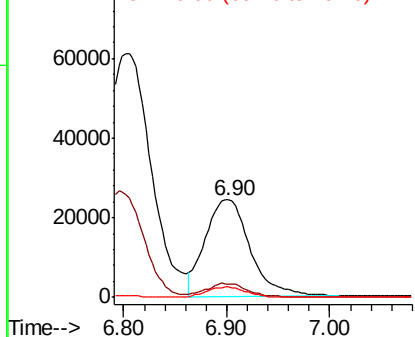
#37
Ethyl Acetate
Concen: 18.100 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 73410
Ion Ratio Lower Upper
43 100
61 14.1 10.9 16.3
70 9.5 7.7 11.5

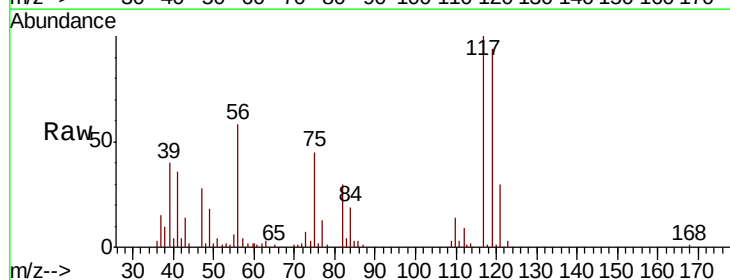


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

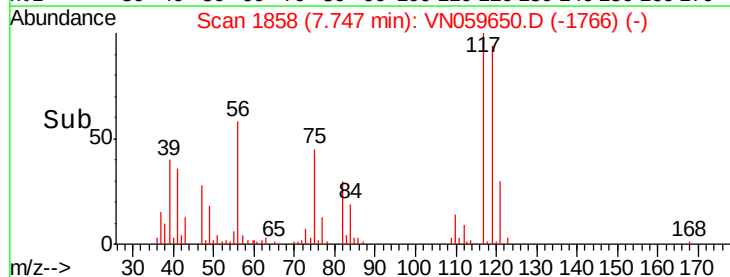
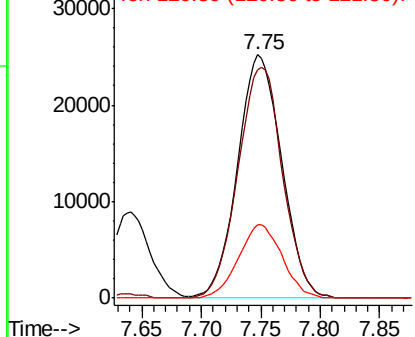


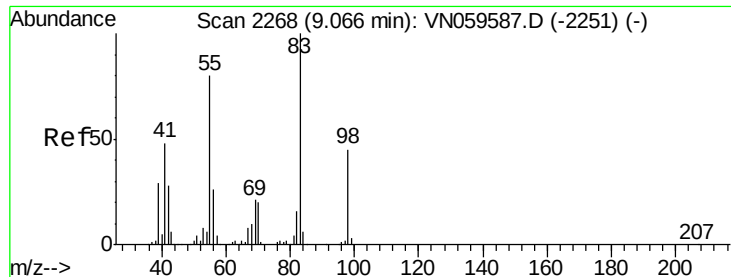
#38
Carbon Tetrachloride
Concen: 17.895 ug/l
RT: 7.75 min Scan# 1858
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 117 Resp: 64795
Ion Ratio Lower Upper
117 100
119 93.8 76.5 114.7
121 29.9 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

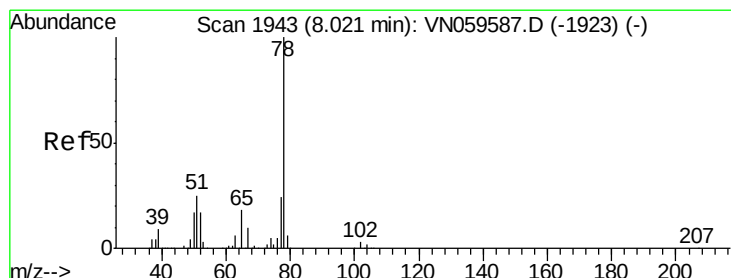
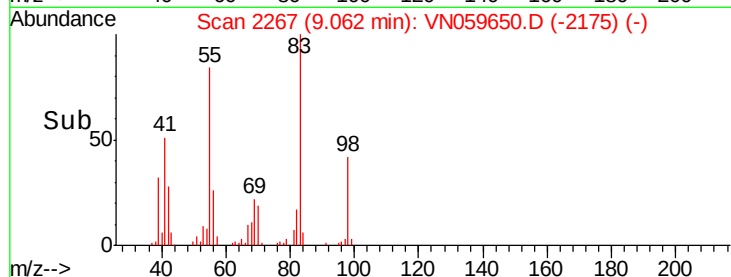
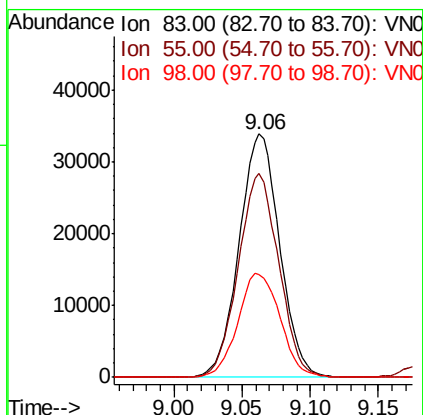
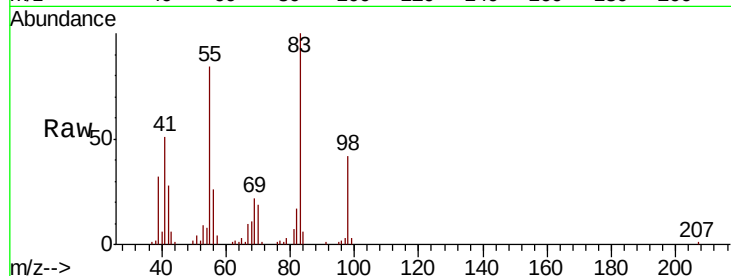




#39
Methvlcvclohexane
Concen: 17.688 ug/l
RT: 9.06 min Scan# 2267
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

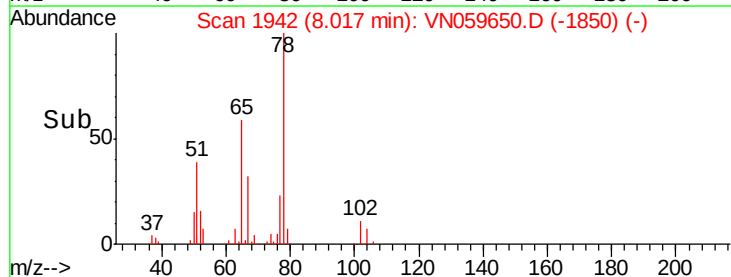
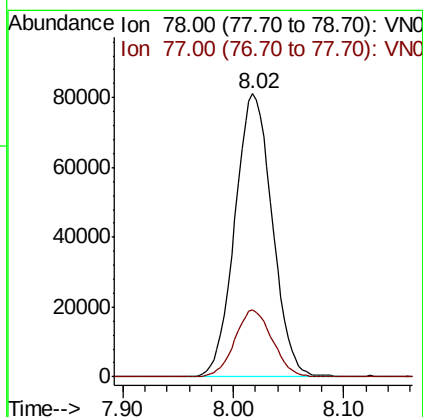
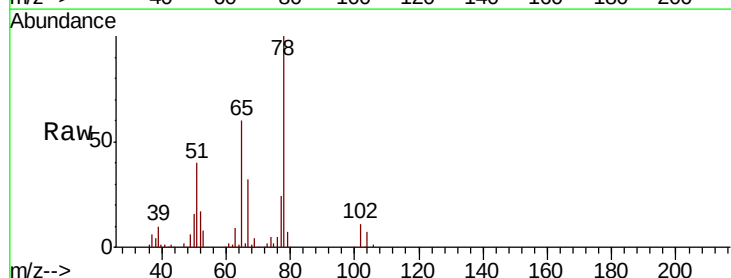
Instrument :
MSVOA_N
ClientSampled :

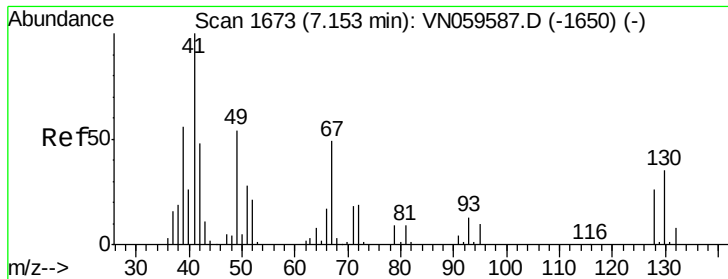
Tot Ion: 83 Resp: 70009
Ion Ratio Lower Upper
83 100
55 83.8 64.2 96.2
98 42.3 35.9 53.9



#40
Benzene
Concen: 18.677 ug/l
RT: 8.02 min Scan# 1942
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 78 Resp: 190465
Ion Ratio Lower Upper
78 100
77 23.6 18.9 28.3

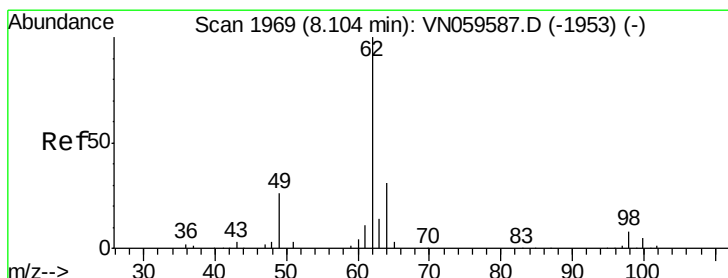
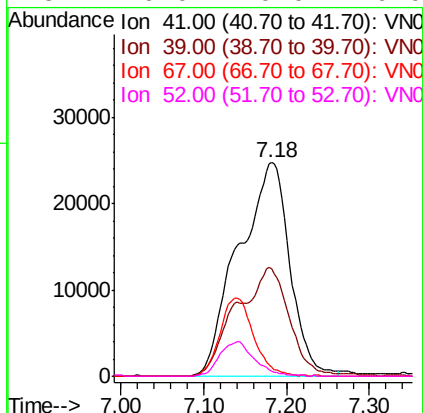
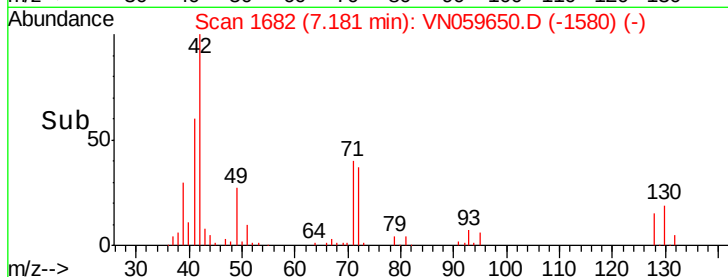
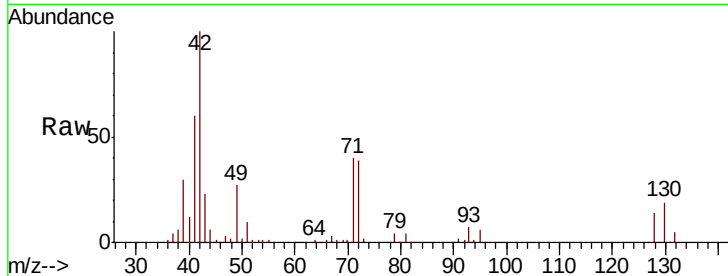




#41
Methacrylonitrile
Concen: 63.462 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

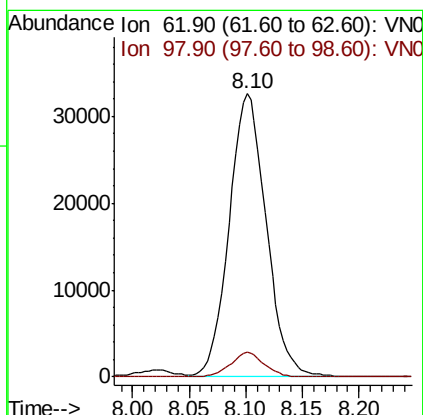
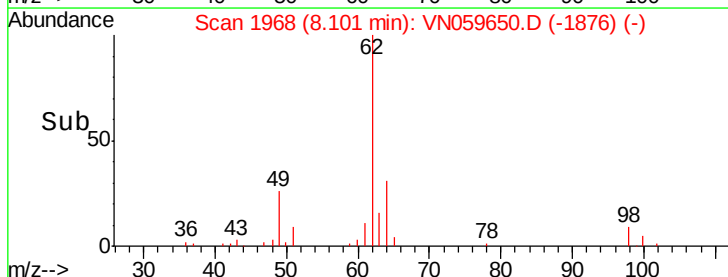
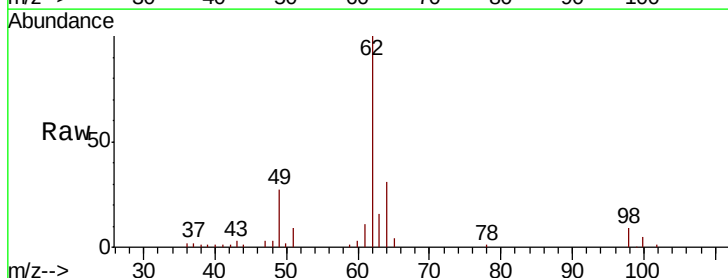
Instrument :
MSVOA_N
ClientSampled :

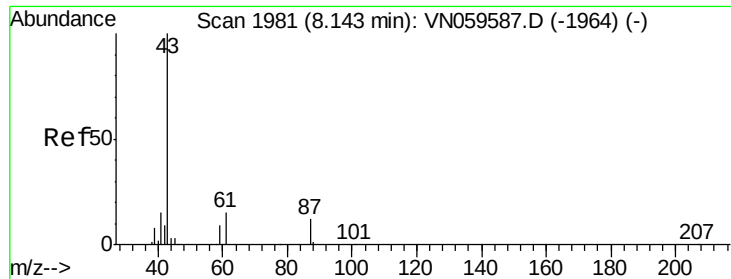
Tot Ion:	41	Resp:	106221
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 19.051 ug/l
RT: 8.10 min Scan# 1968
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion:	62	Resp:	74400
Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





#43

Isopropyl Acetate

Concen: 17.964 ug/l

RT: 8.14 min Scan# 1980

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

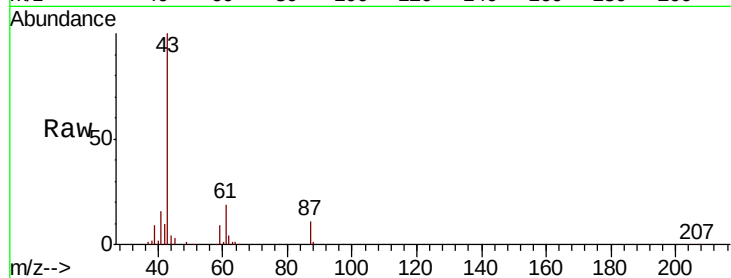
Tot Ion: 43 Resp: 113275

Ion Ratio Lower Upper

43 100

61 25.0 20.2 30.2

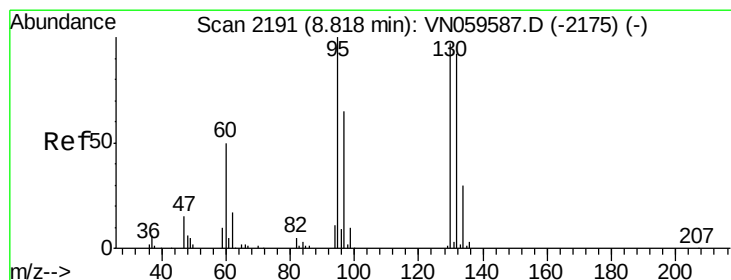
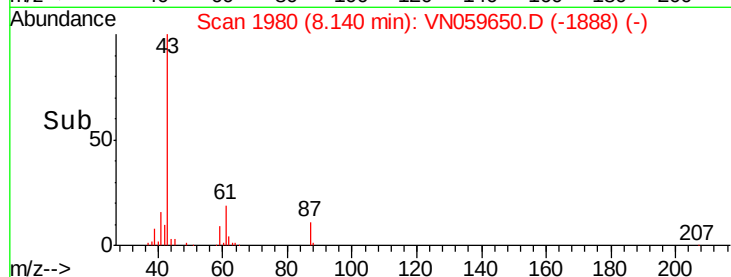
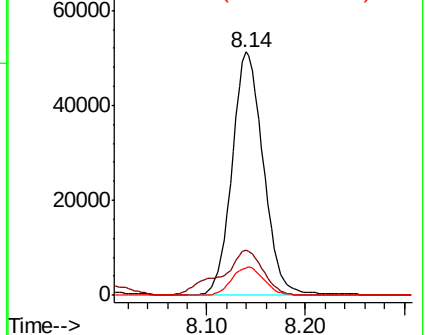
87 11.8 9.5 14.3



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-1964) (-)

Ion 61.00 (60.70 to 61.70): VN059587.D (-1964) (-)

Ion 87.00 (86.70 to 87.70): VN059587.D (-1964) (-)



#44

Trichloroethene

Concen: 17.979 ug/l

RT: 8.81 min Scan# 2190

Delta R.T. -0.00 min

Lab File: VN059650.D

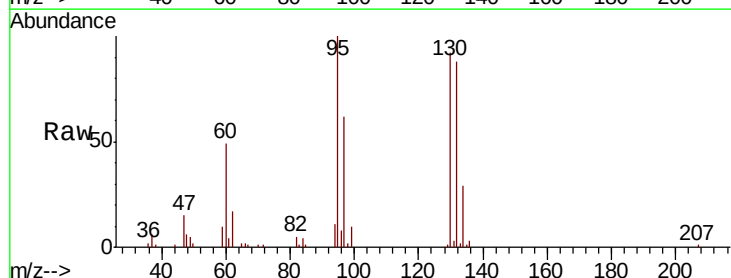
Acq: 18 Dec 2019 15:29

Tgt Ion:130 Resp: 48024

Ion Ratio Lower Upper

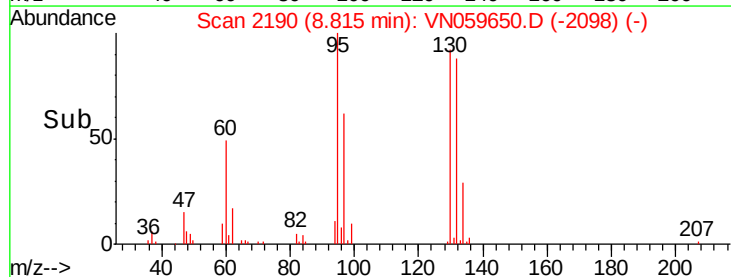
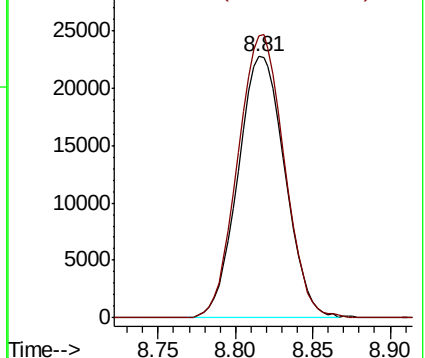
130 100

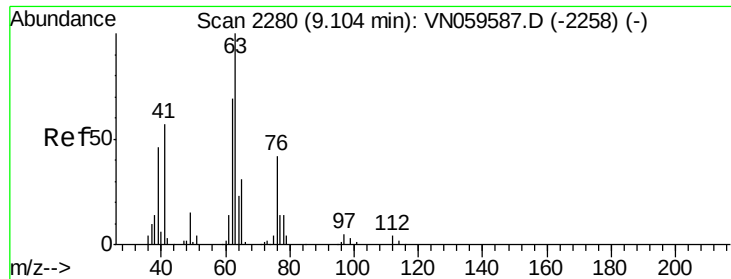
95 108.2 0.0 207.0



Abundance Ion 129.80 (129.50 to 130.50): VN059587.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059587.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 18.765 ug/l

RT: 9.10 min Scan# 2279

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

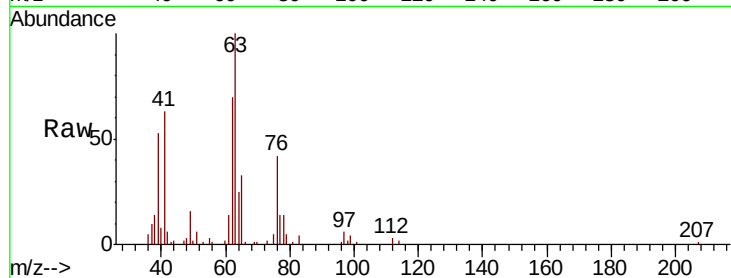
ClientSampled :

Tot Ion: 63 Resp: 51674

Ion Ratio Lower Upper

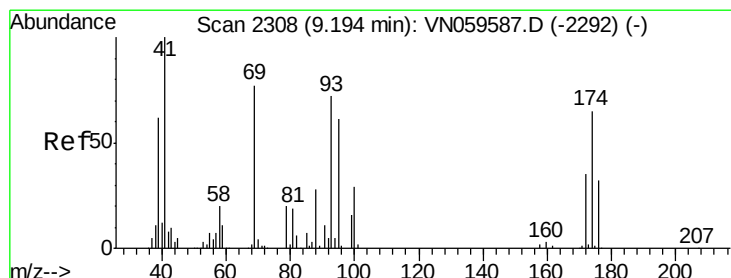
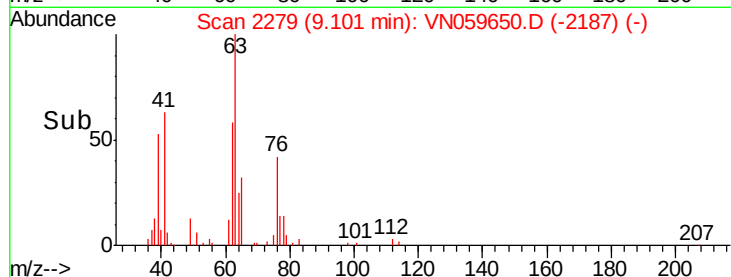
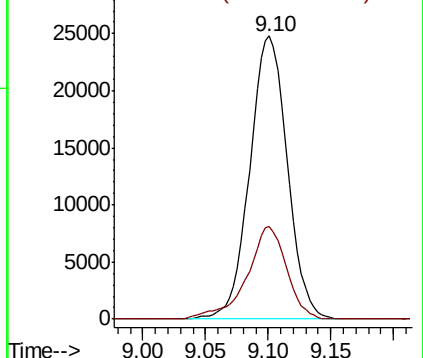
63 100

65 32.6 24.9 37.3



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 18.331 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

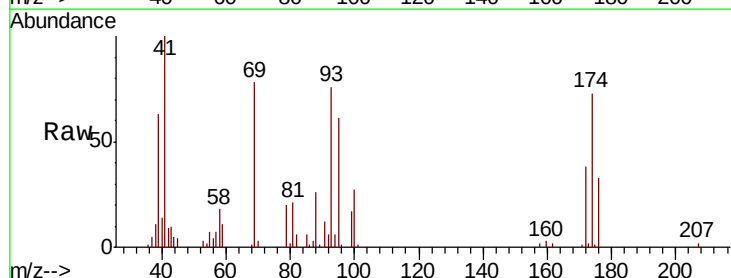
Tgt Ion: 93 Resp: 33071

Ion Ratio Lower Upper

93 100

95 80.4 67.0 100.6

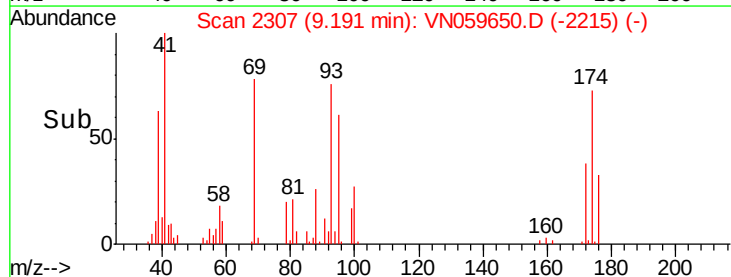
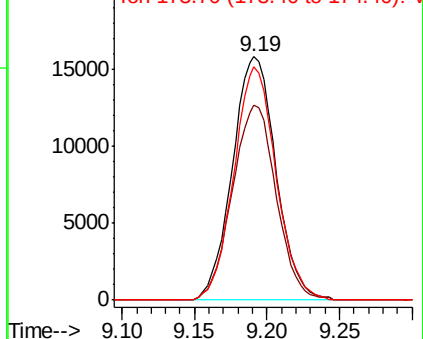
174 93.0 73.4 110.2

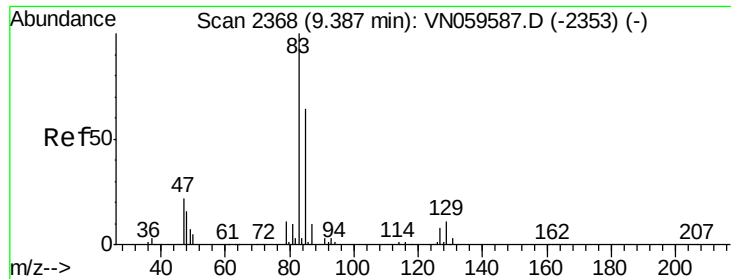


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V

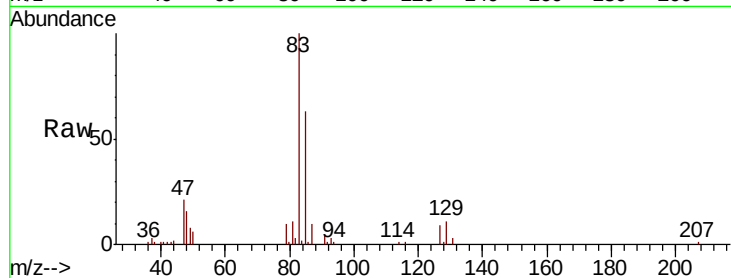




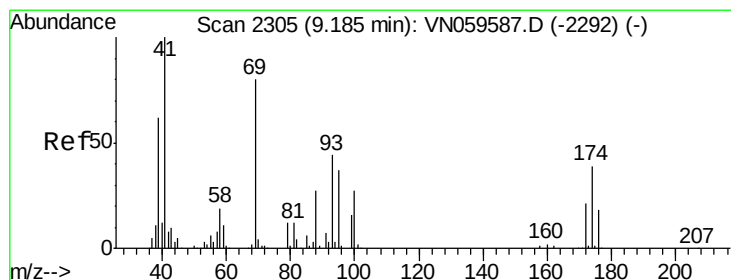
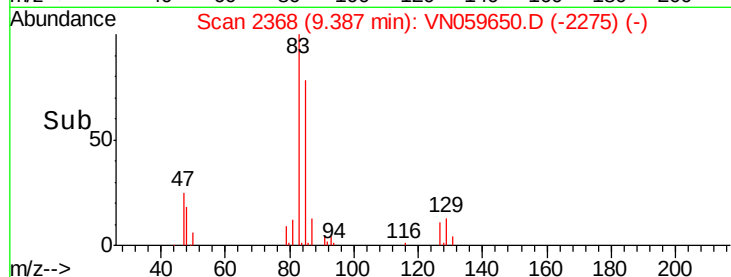
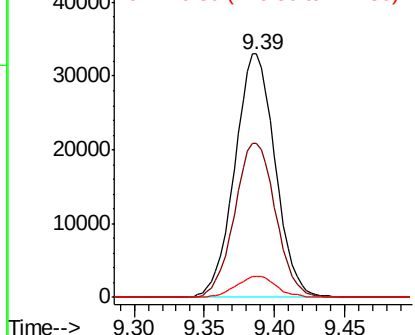
#47
Bromodichloromethane
Concen: 18.361 ug/l
RT: 9.39 min Scan# 2368
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 83 Resp: 66044
Ion Ratio Lower Upper
83 100
85 63.1 51.1 76.7
127 8.6 6.6 9.8

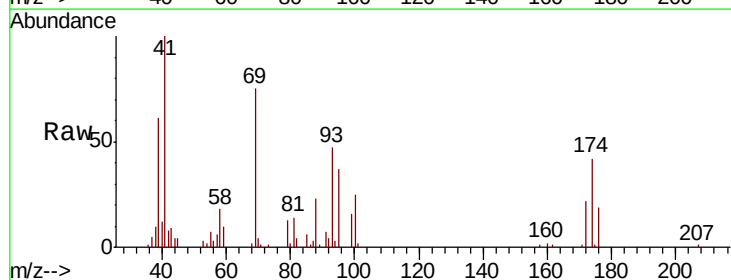


Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0

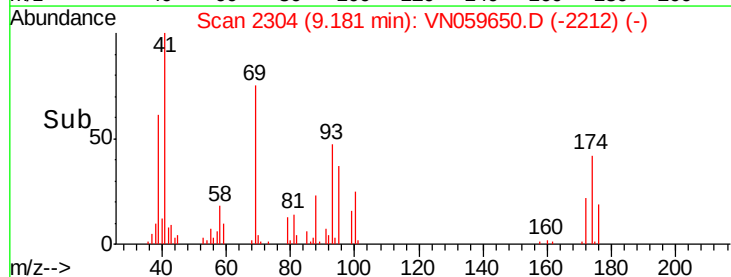
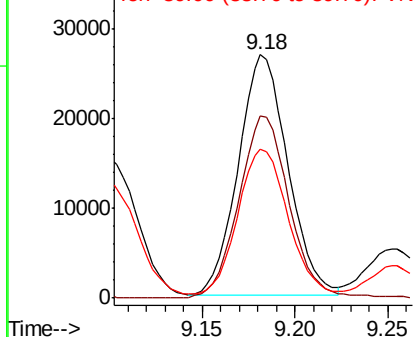


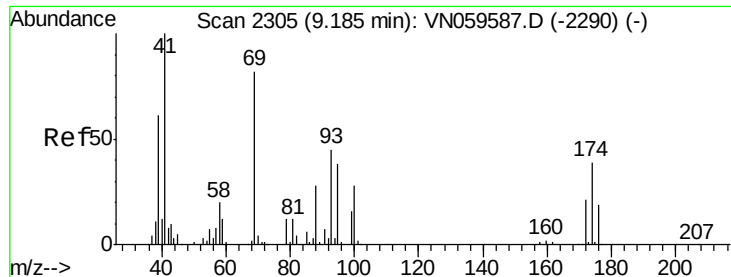
#48
Methyl methacrylate
Concen: 17.440 ug/l
RT: 9.18 min Scan# 2304
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 41 Resp: 49891
Ion Ratio Lower Upper
41 100
69 77.3 64.4 96.6
39 63.5 51.3 76.9



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

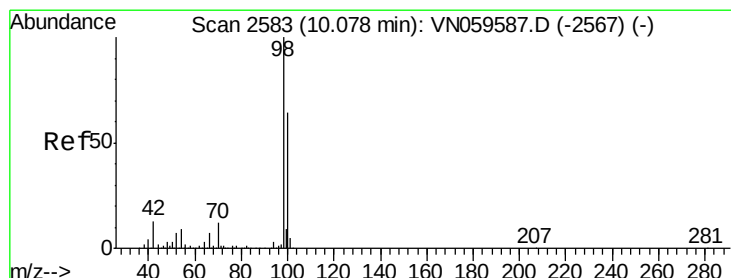
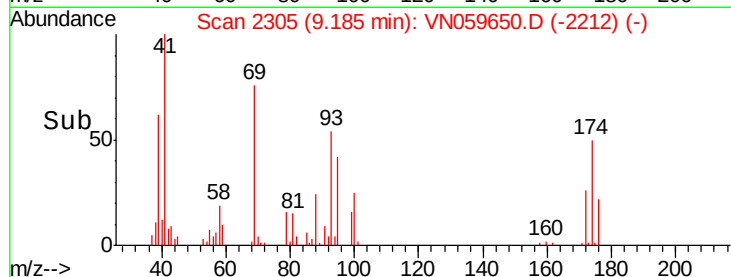
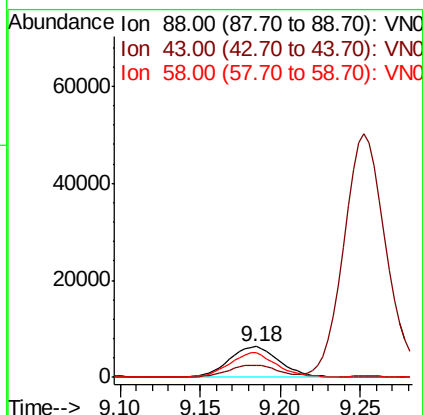
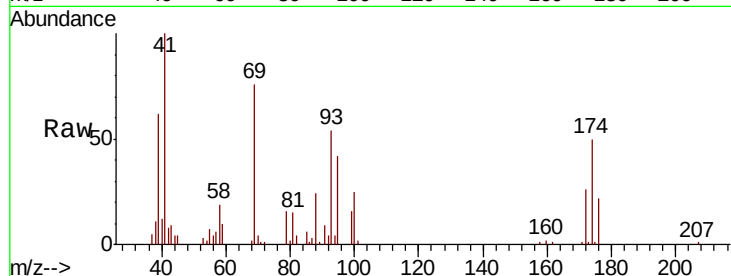




#49
 1,4-Dioxane
 Concen: 332.439 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

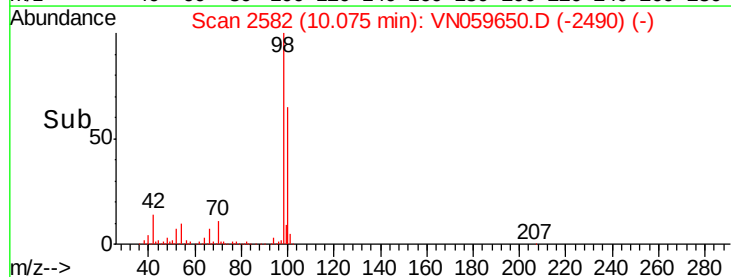
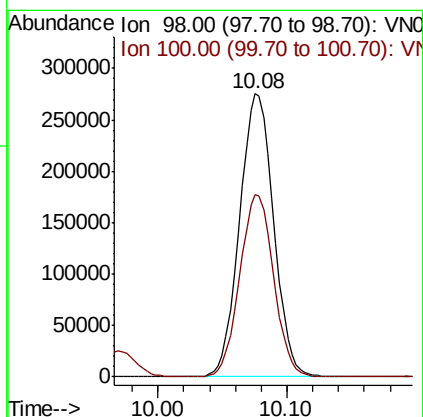
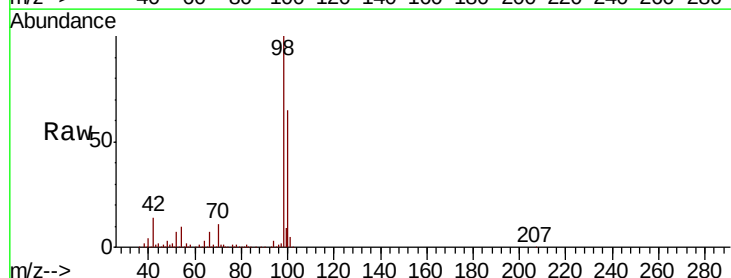
Instrument :
 MSVOA_N
 ClientSampleId :

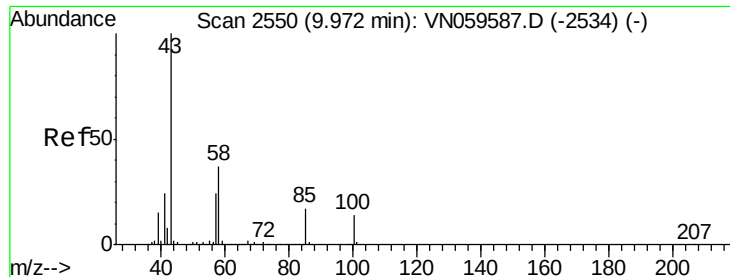
Tot Ion: 88 Resp: 13629
 Ion Ratio Lower Upper
 88 100
 43 39.0 29.7 44.5
 58 74.7 56.6 85.0



#50
 Toluene-d8
 Concen: 61.038 ug/l
 RT: 10.08 min Scan# 2582
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 98 Resp: 505938
 Ion Ratio Lower Upper
 98 100
 100 64.3 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 94.163 ug/l

RT: 9.97 min Scan# 2549

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

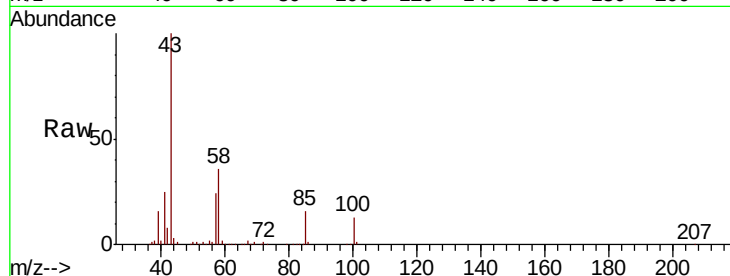
ClientSampled :

Tot Ion: 43 Resp: 354005

Ion Ratio Lower Upper

43 100

58 36.3 29.8 44.8



Abundance Ion 43.00 (42.70 to 43.70): VN059587.D (-2534) (-)

Ion 58.00 (57.70 to 58.70): VN059587.D (-2534) (-)

9.97

200000

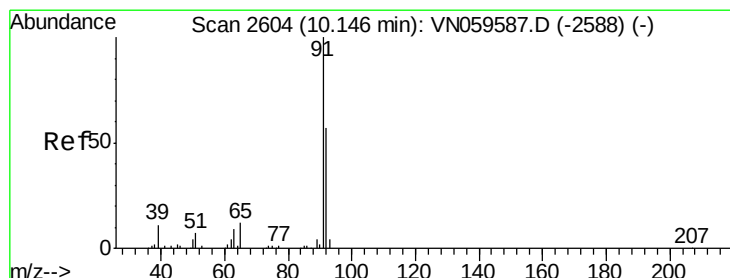
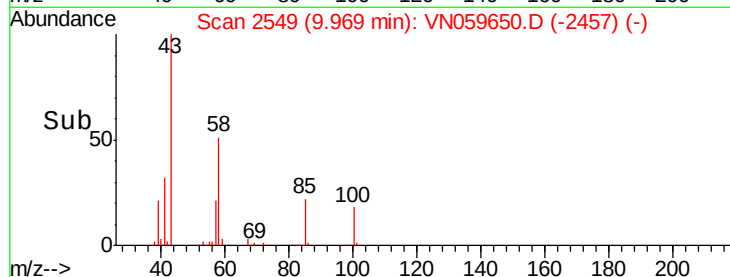
150000

100000

50000

0

Time-->



#52

Toluene

Concen: 18.150 ug/l

RT: 10.14 min Scan# 2603

Delta R.T. -0.00 min

Lab File: VN059650.D

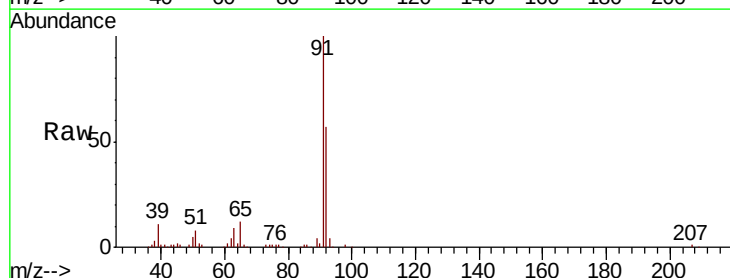
Acq: 18 Dec 2019 15:29

Tgt Ion: 92 Resp: 113722

Ion Ratio Lower Upper

92 100

91 175.3 140.4 210.6



Abundance Ion 92.00 (91.70 to 92.70): VN059587.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN059587.D (-2588) (-)

10.14

120000

100000

80000

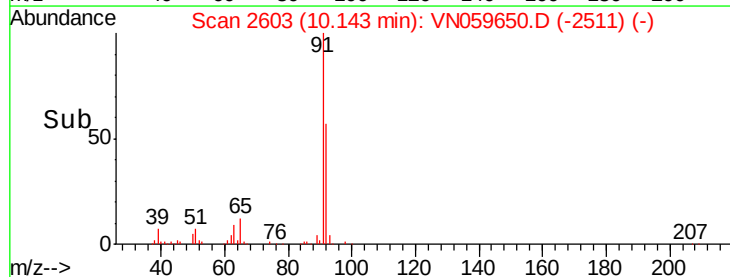
60000

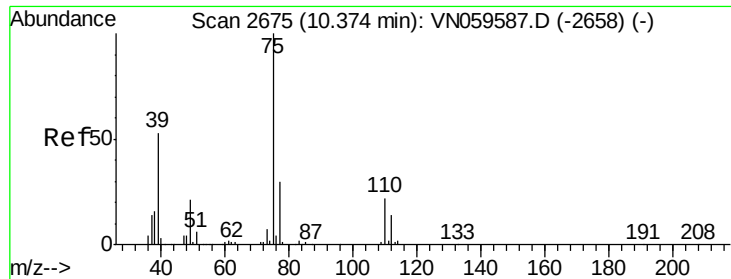
40000

20000

0

Time-->

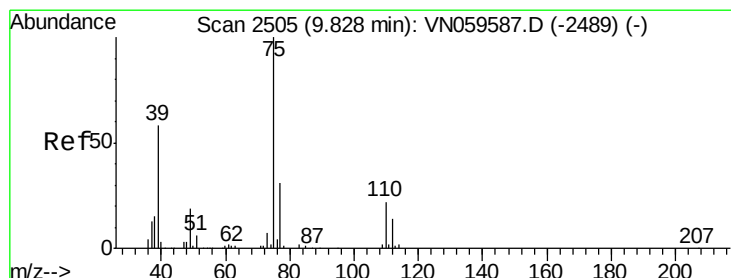
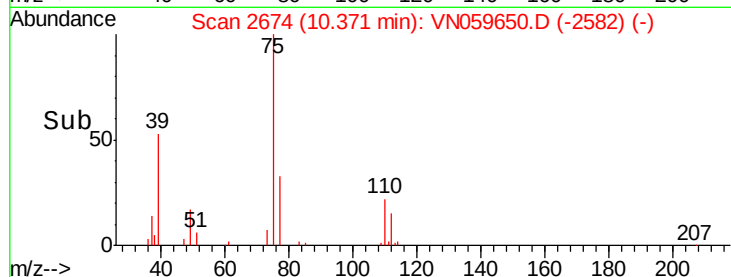
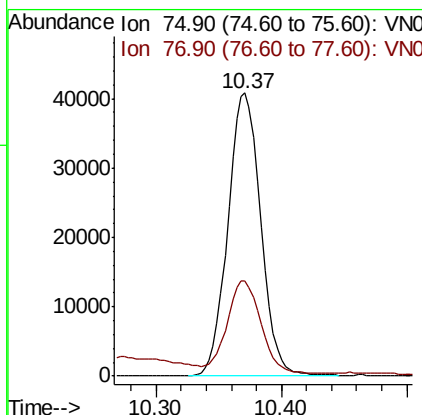
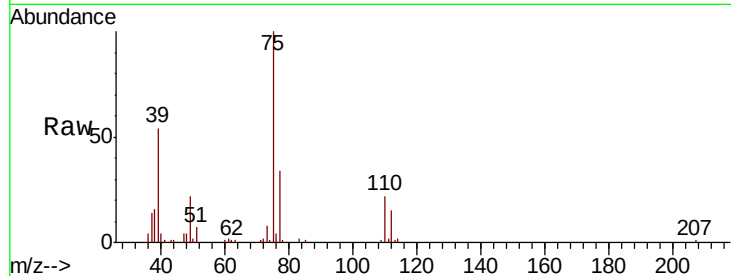




#53
t-1,3-Dichloropropene
Concen: 17.911 ug/l
RT: 10.37 min Scan# 2674
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

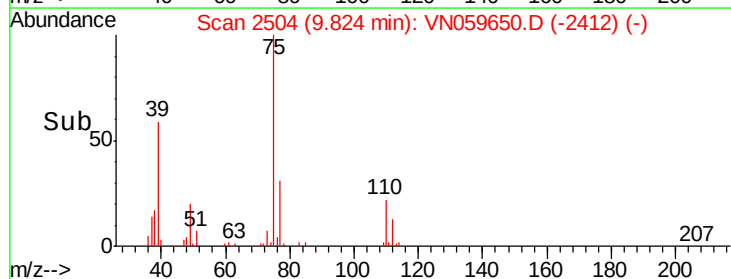
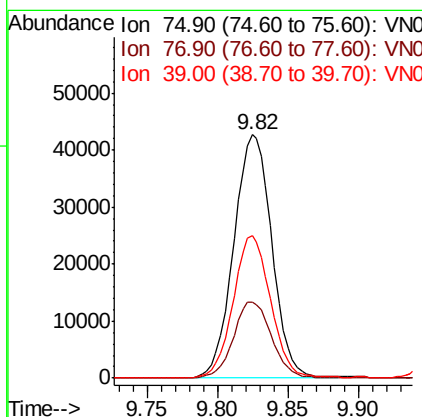
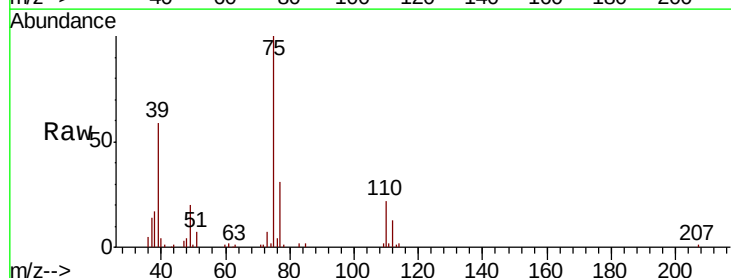
Instrument :
MSVOA_N
ClientSampled :

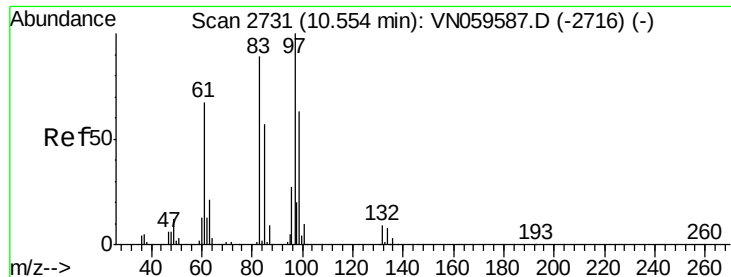
Tot Ion: 75 Resp: 74509
Ion Ratio Lower Upper
75 100
77 32.5 25.4 38.2



#54
cis-1,3-Dichloropropene
Concen: 18.461 ug/l
RT: 9.82 min Scan# 2504
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 75 Resp: 80725
Ion Ratio Lower Upper
75 100
77 31.2 25.1 37.7
39 58.6 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 18.434 ug/l

RT: 10.55 min Scan# 2730

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 45325

Ion	Ratio	Lower	Upper
97	100		
83	92.5	71.3	106.9
85	59.4	45.8	68.8
99	63.1	50.0	75.0

Abundance

Ion 96.90 (96.60 to 97.60): VNO

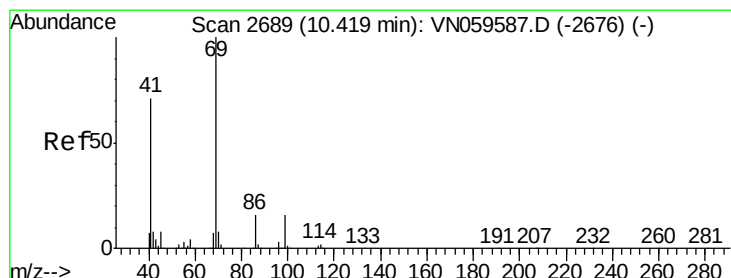
Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO

10.55

Time-->



#56

Ethyl methacrylate

Concen: 17.284 ug/l

RT: 10.42 min Scan# 2689

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Tgt Ion: 69 Resp: 63086

Ion	Ratio	Lower	Upper
69	100		
41	73.5	57.1	85.7
39	44.3	34.7	52.1

Abundance

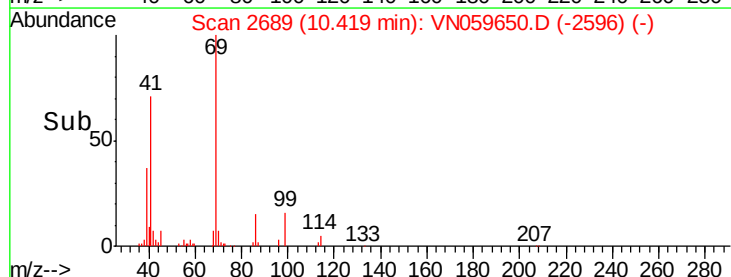
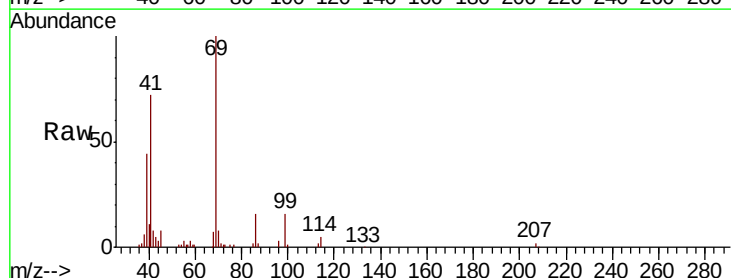
Ion 69.00 (68.70 to 69.70): VNO

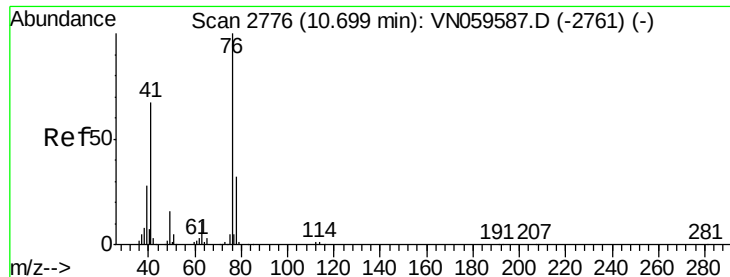
Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO

10.42

Time-->





#57

1,3-Dichloropropane

Concen: 18.554 ug/l

RT: 10.70 min Scan# 2775

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

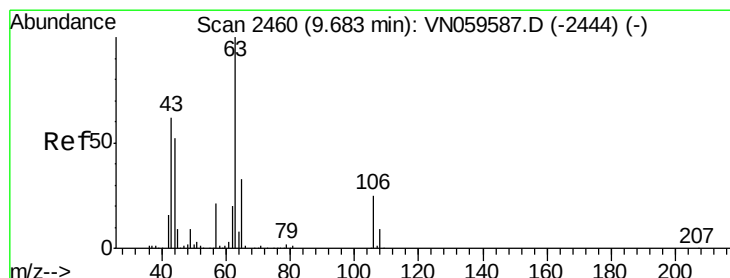
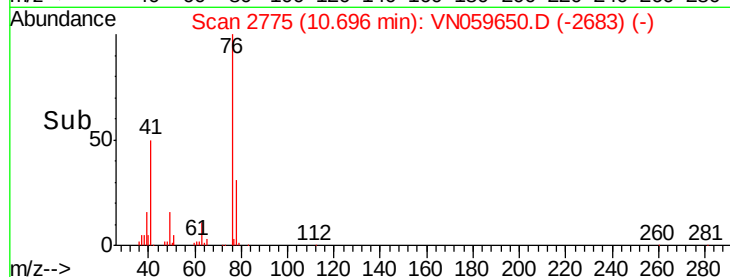
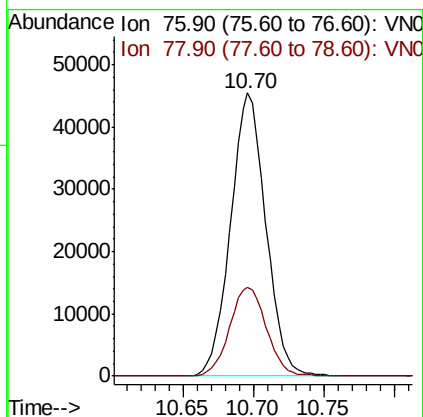
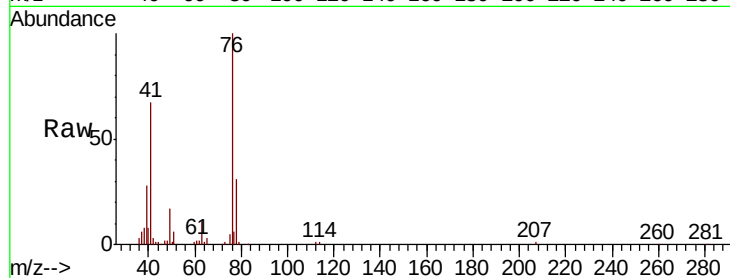
ClientSampled :

Tot Ion: 76 Resp: 79431

Ion Ratio Lower Upper

76 100

78 32.7 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 155.017 ug/l

RT: 9.68 min Scan# 2459

Delta R.T. -0.00 min

Lab File: VN059650.D

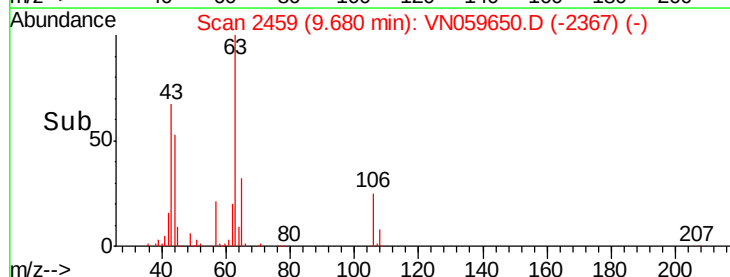
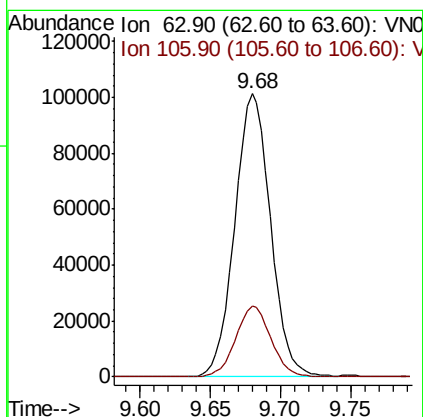
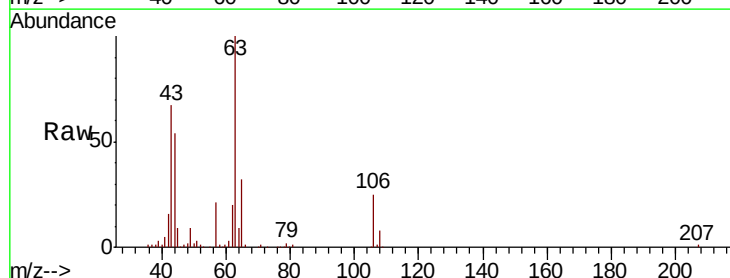
Acq: 18 Dec 2019 15:29

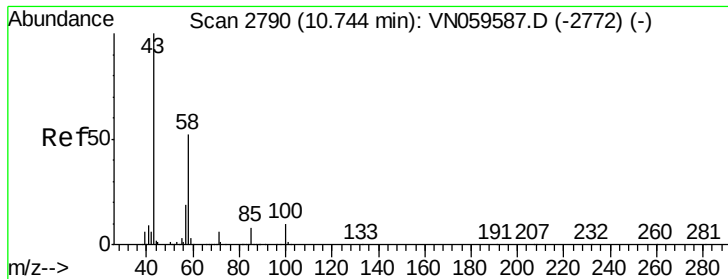
Tgt Ion: 63 Resp: 179953

Ion Ratio Lower Upper

63 100

106 24.7 20.2 30.2

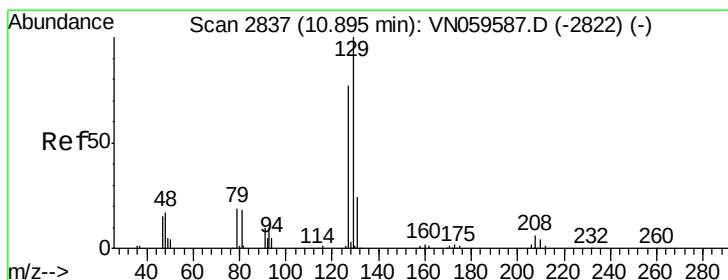
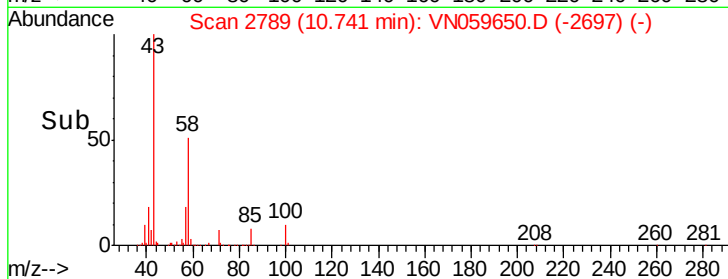
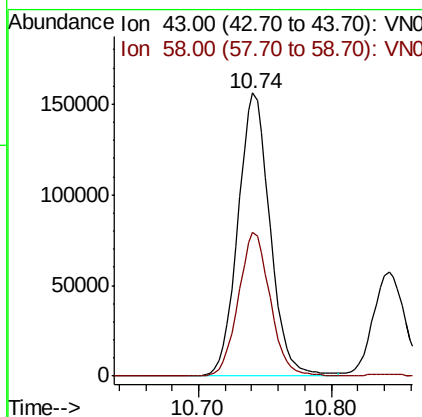
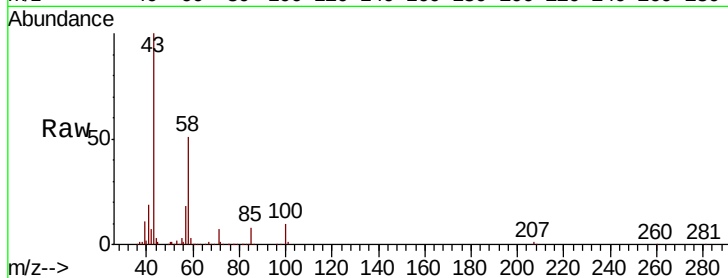




#59
2-Hexanone
Concen: 88.088 ug/l
RT: 10.74 min Scan# 2789
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

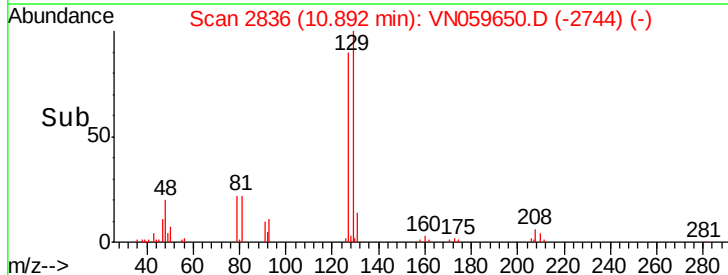
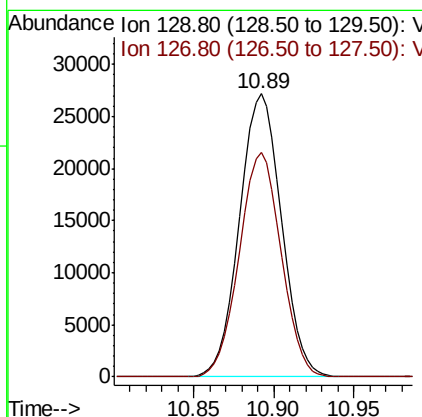
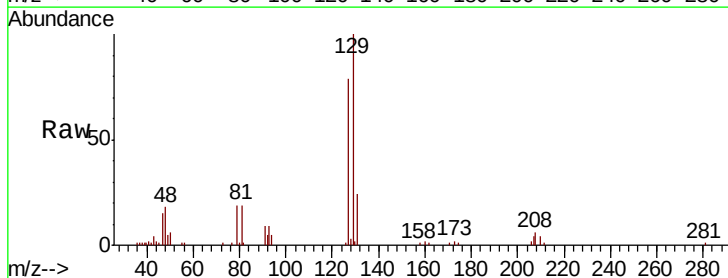
Instrument :
MSVOA_N
ClientSampleId :

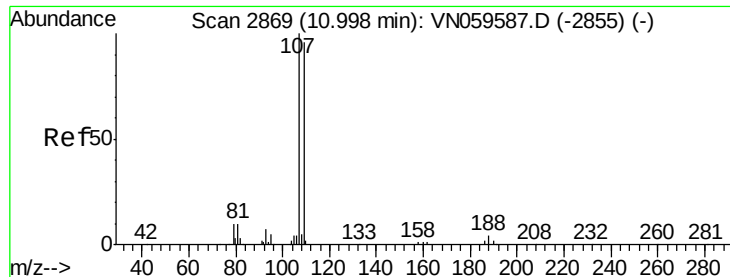
Tot Ion: 43 Resp: 261003
Ion Ratio Lower Upper
43 100
58 50.8 25.8 77.3



#60
Dibromochloromethane
Concen: 18.120 ug/l
RT: 10.89 min Scan# 2836
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion: 129 Resp: 48625
Ion Ratio Lower Upper
129 100
127 78.9 38.5 115.5

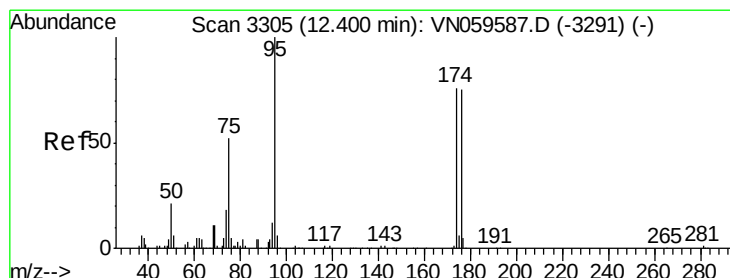
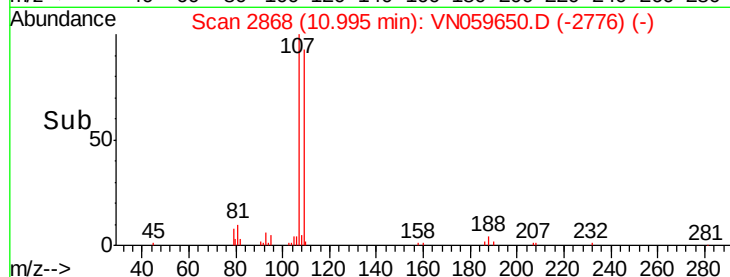
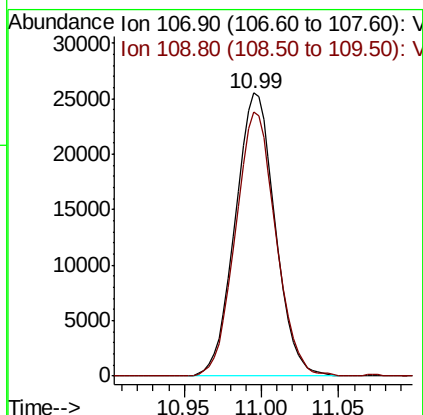
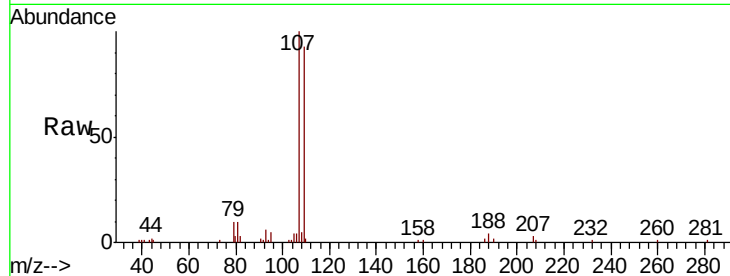




#61
 1,2-Dibromoethane
 Concen: 17.538 ug/l
 RT: 10.99 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

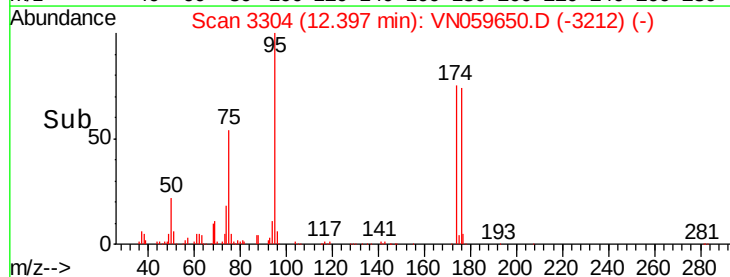
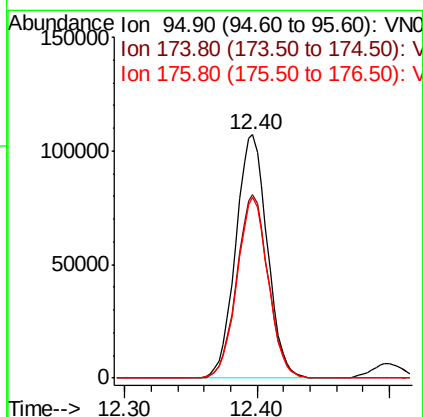
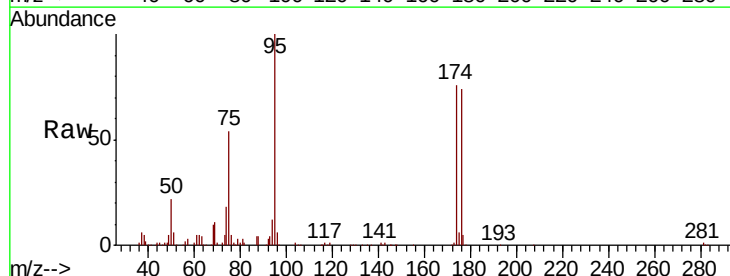
Instrument :
 MSVOA_N
 ClientSampled :

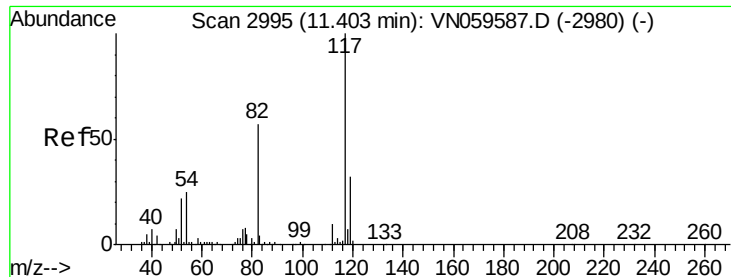
Tot Ion: 107 Resp: 45732
 Ion Ratio Lower Upper
 107 100
 109 94.0 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 58.663 ug/l
 RT: 12.40 min Scan# 3304
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion: 95 Resp: 177429
 Ion Ratio Lower Upper
 95 100
 174 74.9 0.0 151.4
 176 73.0 0.0 146.0

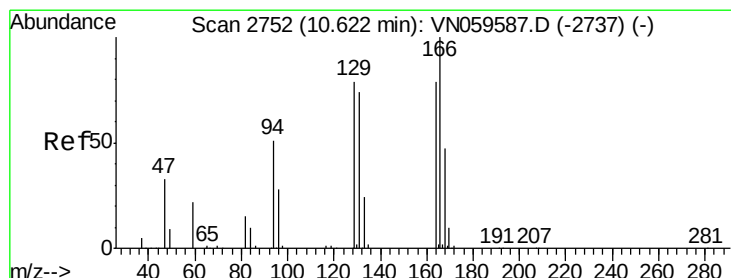
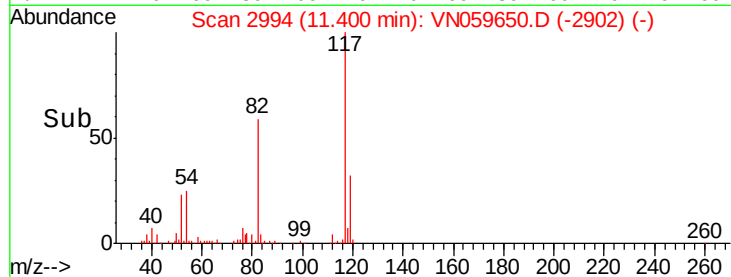
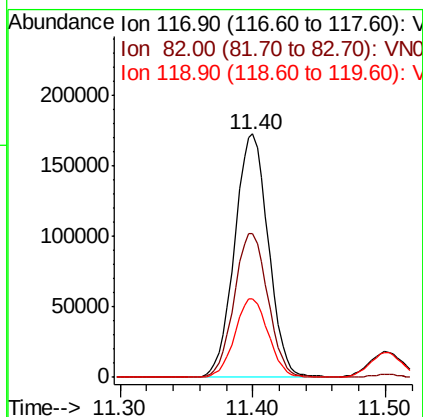
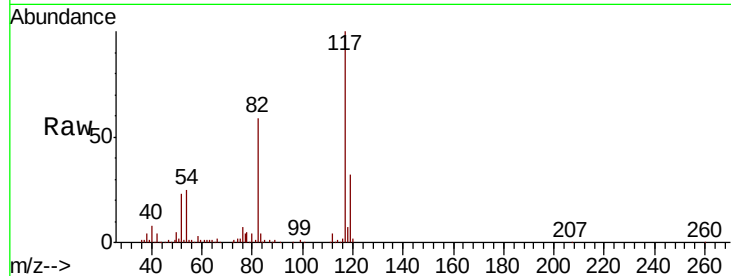




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2994
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

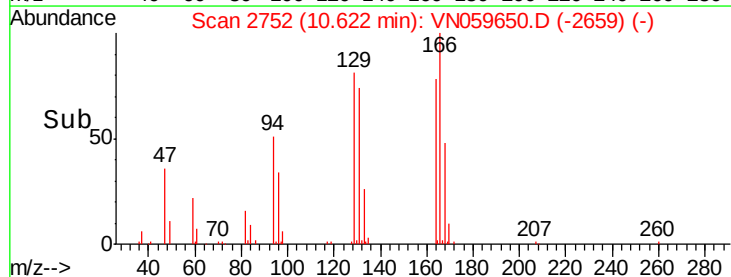
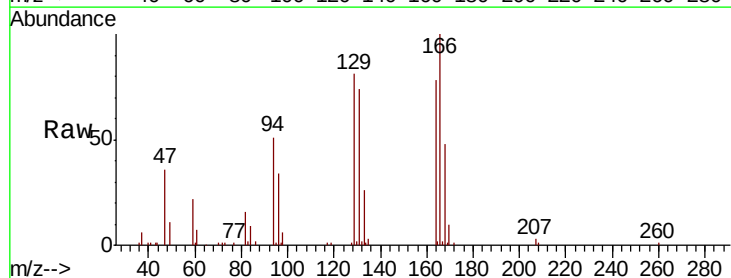
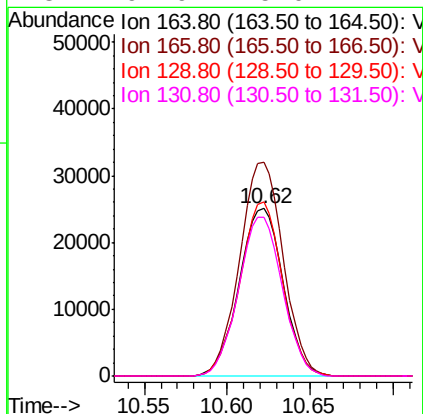
Instrument :
MSVOA_N
ClientSampleId :

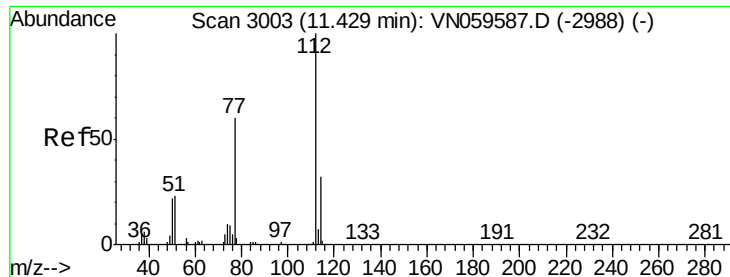
Tot Ion	Ratio	Lower	Upper
117	100		
82	59.0	45.9	68.9
119	32.5	25.5	38.3



#64
Tetrachloroethene
Concen: 16.305 ug/l
RT: 10.62 min Scan# 2752
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion	Ratio	Lower	Upper
164	100		
166	127.7	101.4	152.0
129	103.9	80.2	120.4
131	94.9	75.0	112.4

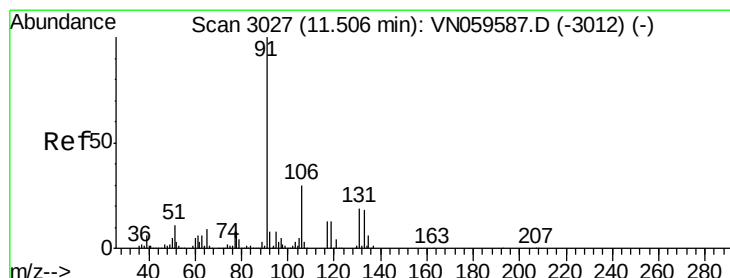
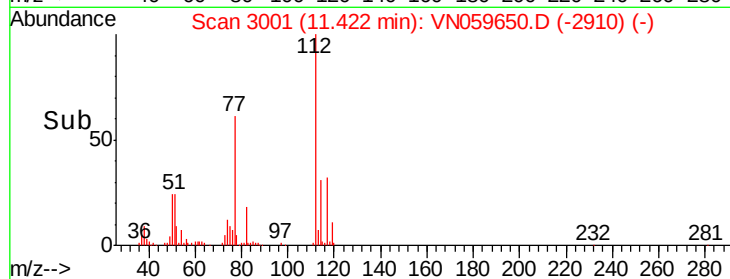
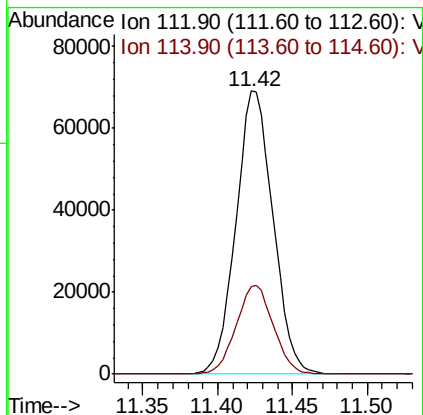
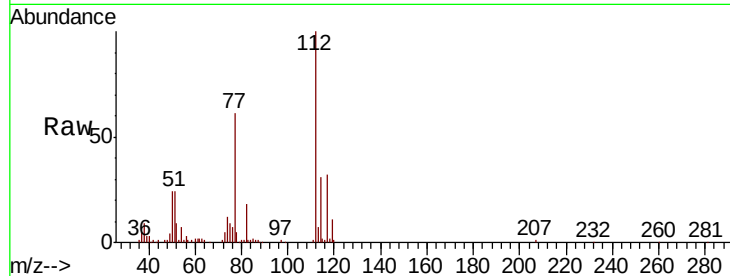




#65
Chlorobenzene
Concen: 18.016 ug/l
RT: 11.42 min Scan# 3001
Delta R.T. -0.01 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

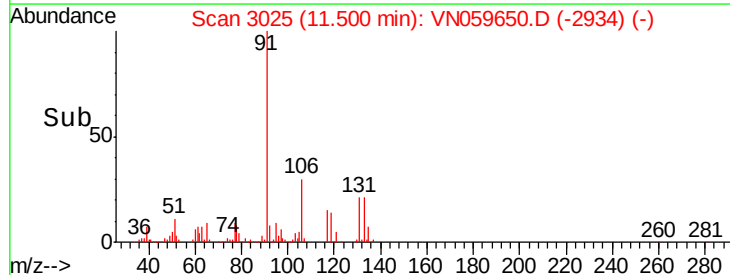
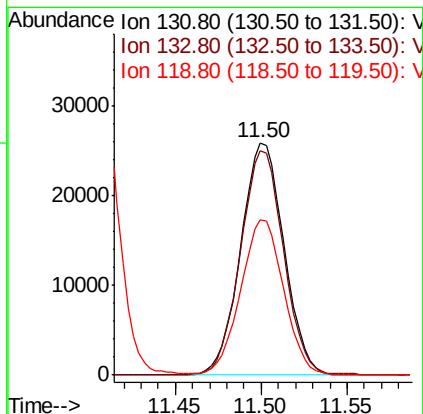
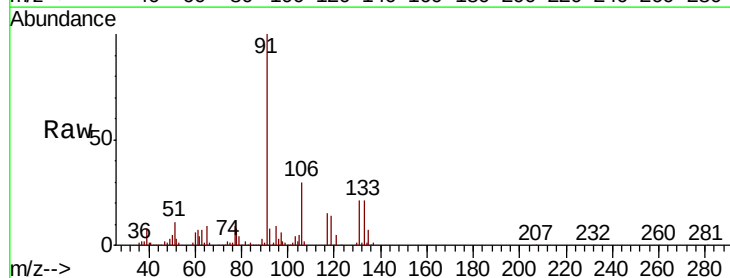
Instrument :
MSVOA_N
ClientSampled :

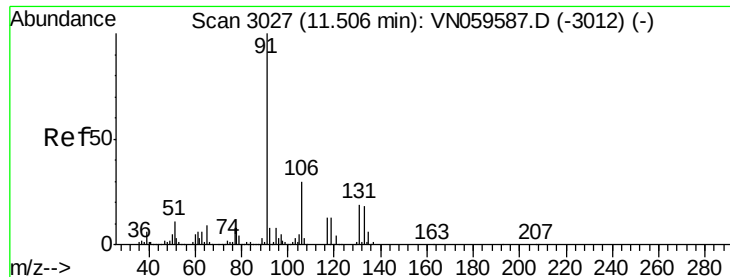
Tot Ion:112 Resp: 118987
Ion Ratio Lower Upper
112 100
114 30.8 25.8 38.8



#66
1,1,1,2-Tetrachloroethane
Concen: 18.037 ug/l
RT: 11.50 min Scan# 3025
Delta R.T. -0.01 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion:131 Resp: 45247
Ion Ratio Lower Upper
131 100
133 96.4 47.4 142.2
119 66.6 33.1 99.3





#67

Ethyl Benzene

Concen: 17.754 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

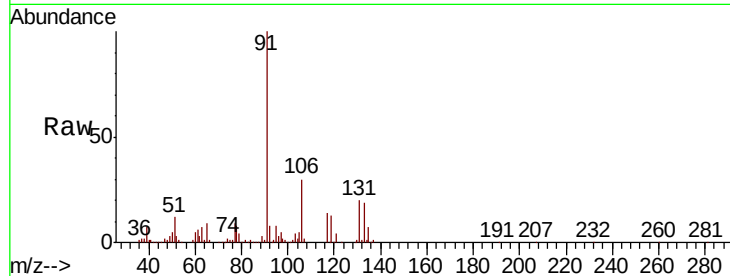
ClientSampled :

Tot Ion: 91 Resp: 211648

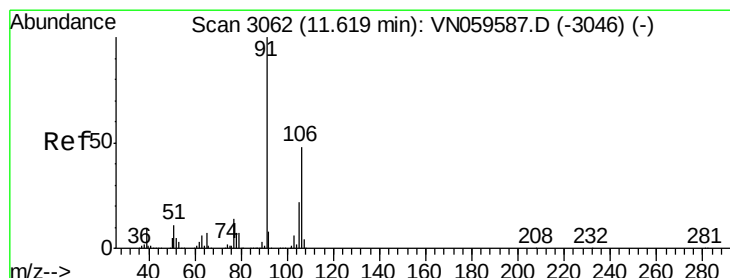
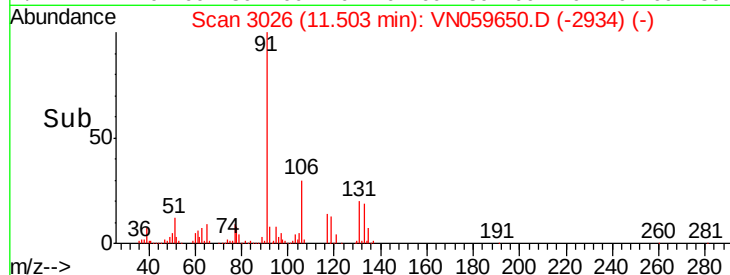
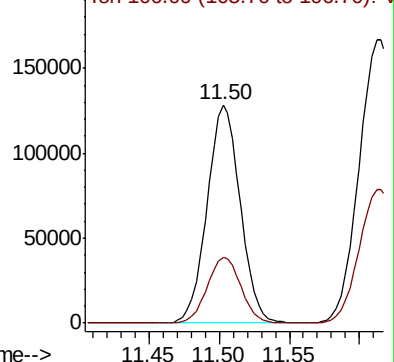
Ion Ratio Lower Upper

91 100

106 30.3 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3012) (-)



#68

m/p-Xylenes

Concen: 35.302 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059650.D

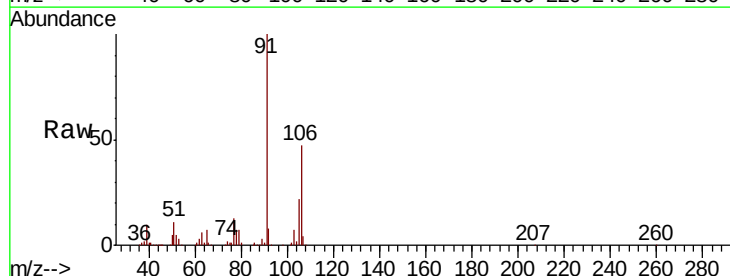
Acq: 18 Dec 2019 15:29

Tgt Ion: 106 Resp: 155404

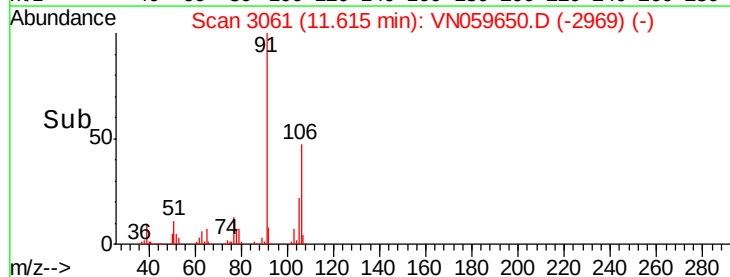
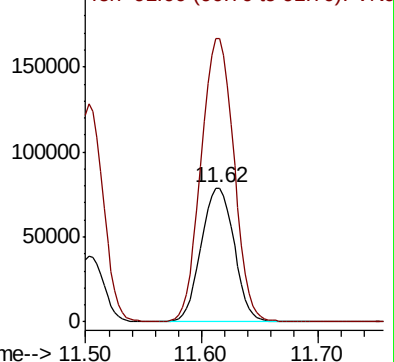
Ion Ratio Lower Upper

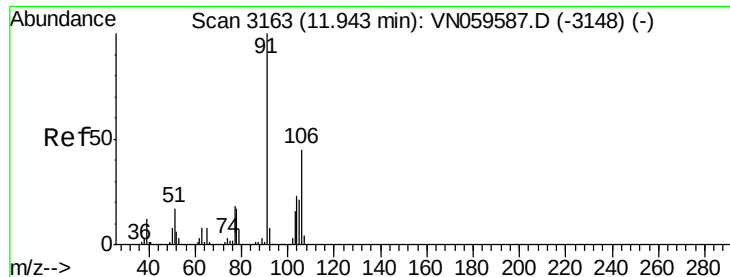
106 100

91 209.9 167.9 251.9



Abundance Ion 106.00 (105.70 to 106.70): VN059587.D (-3046) (-)

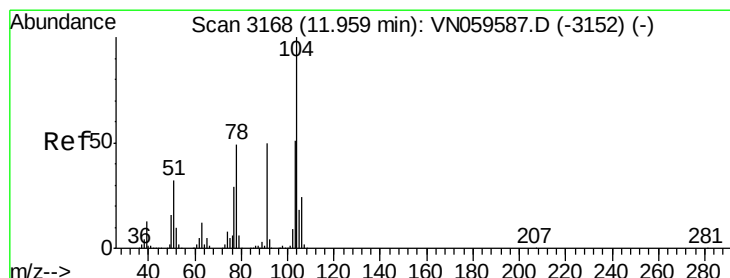
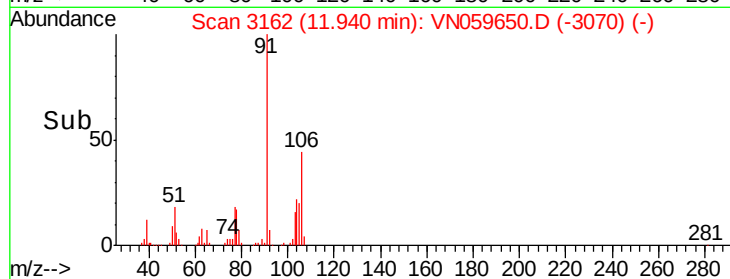
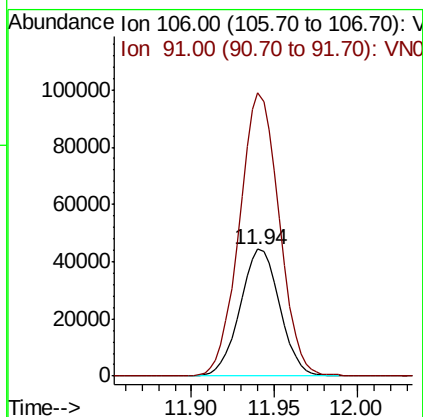
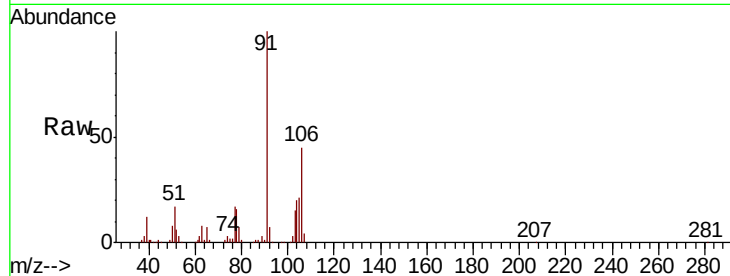




#69
o-Xylene
Concen: 17.600 ug/l
RT: 11.94 min Scan# 3162
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

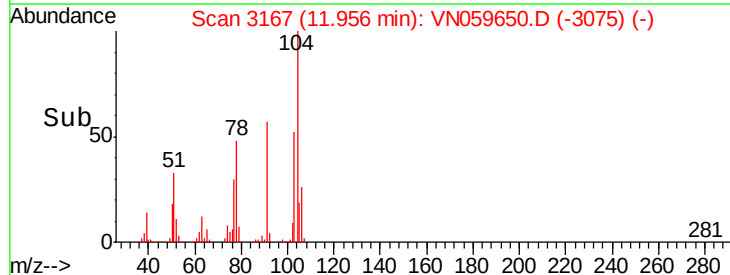
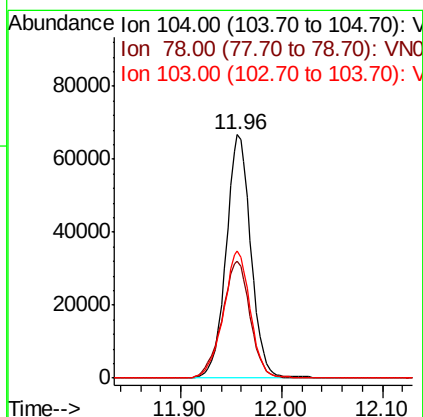
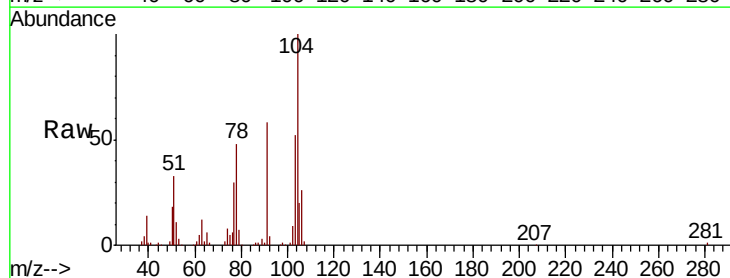
Instrument :
MSVOA_N
ClientSampled :

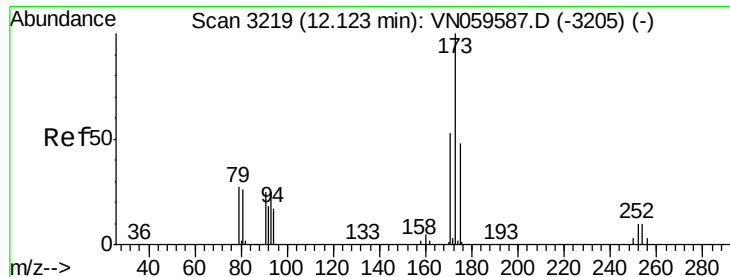
Tot Ion:106 Resp: 73719
Ion Ratio Lower Upper
106 100
91 224.6 110.3 330.9



#70
Styrene
Concen: 17.024 ug/l
RT: 11.96 min Scan# 3167
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion:104 Resp: 114572
Ion Ratio Lower Upper
104 100
78 54.1 42.4 63.6
103 56.7 43.9 65.9





#71

Bromoform

Concen: 17.780 ug/l

RT: 12.12 min Scan# 3218

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

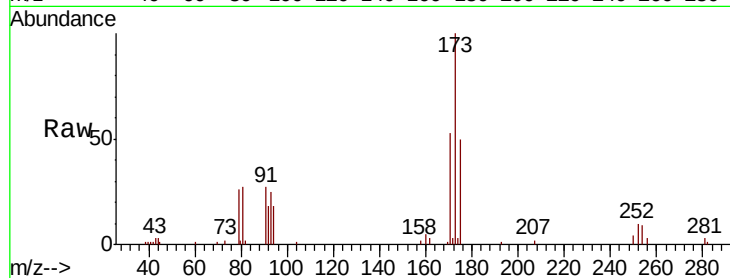
Tot Ion:173 Resp: 33528

Ion Ratio Lower Upper

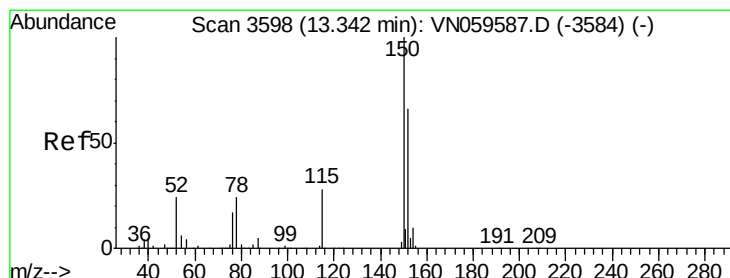
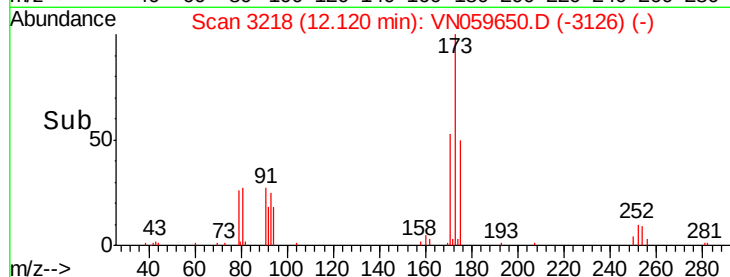
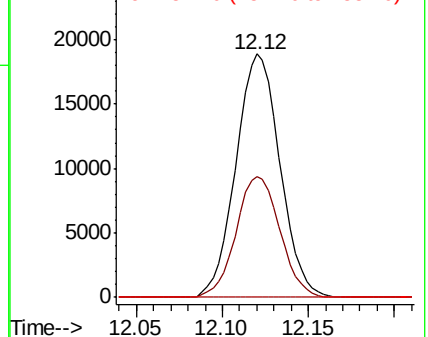
173 100

175 49.3 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: VN059650.D

Acq: 18 Dec 2019 15:29

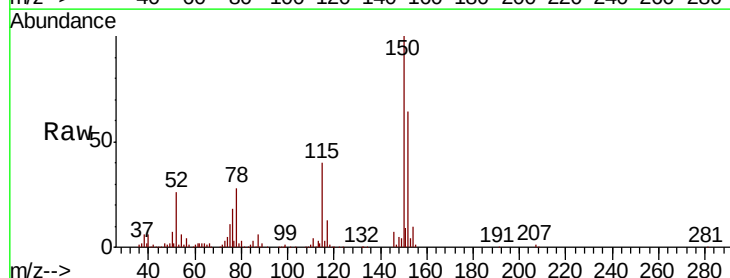
Tgt Ion:152 Resp: 138861

Ion Ratio Lower Upper

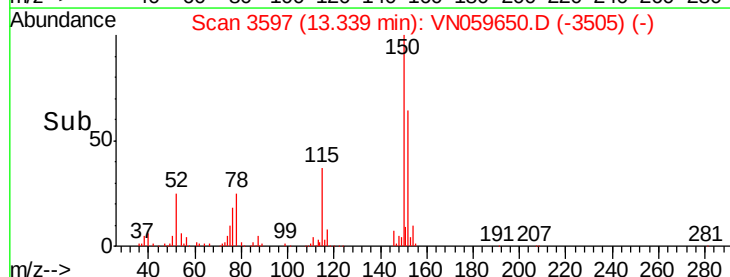
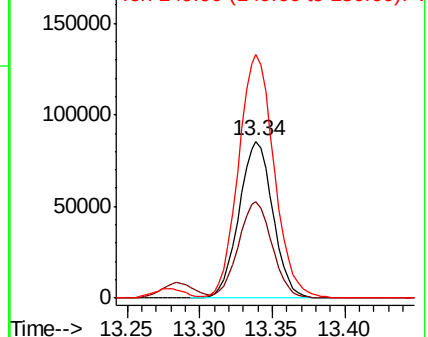
152 100

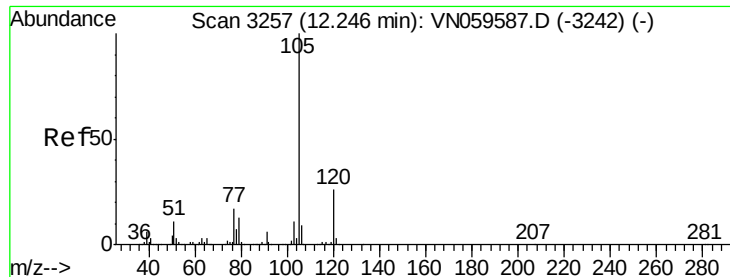
115 61.6 30.3 90.9

150 164.0 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: 18.454 ug/l

RT: 12.24 min Scan# 3256

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

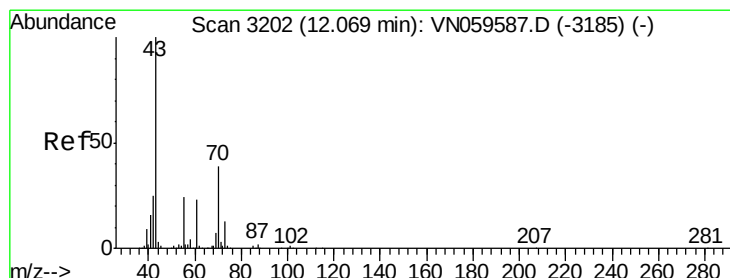
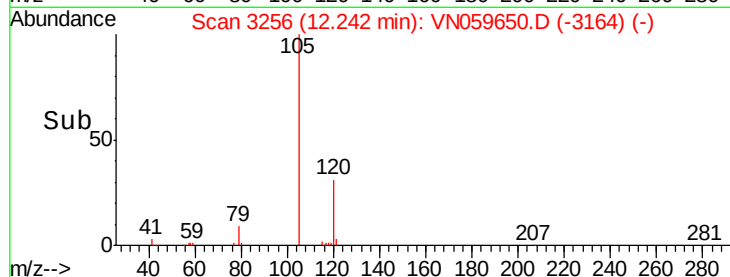
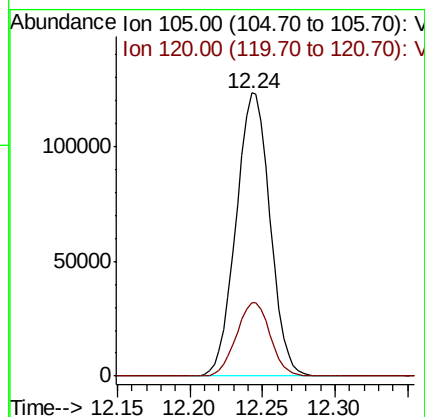
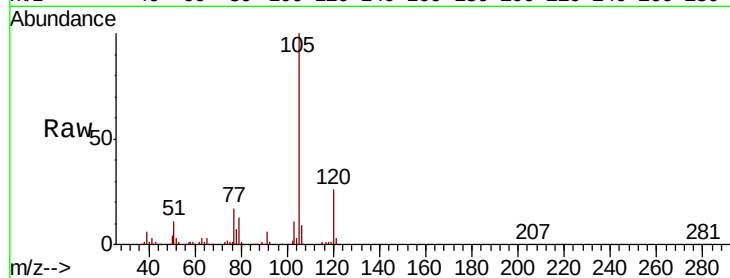
ClientSampleId :

Tot Ion:105 Resp: 201164

Ion Ratio Lower Upper

105 100

120 25.8 13.2 39.5



#74

N-ethyl acetate

Concen: 17.205 ug/l

RT: 12.06 min Scan# 3200

Delta R.T. -0.01 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Tgt Ion: 43 Resp: 86027

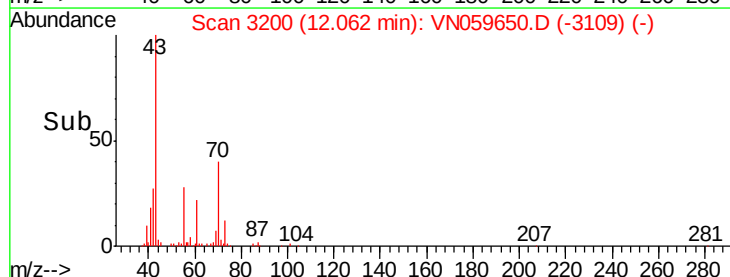
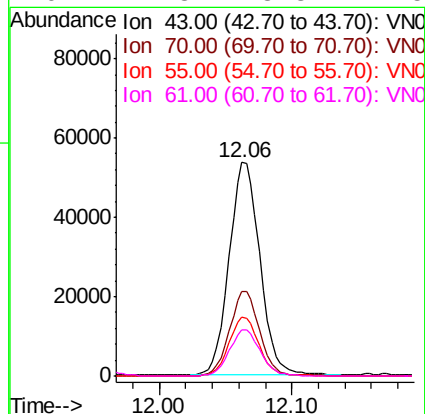
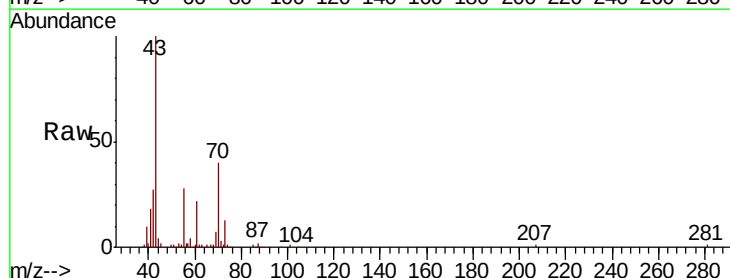
Ion Ratio Lower Upper

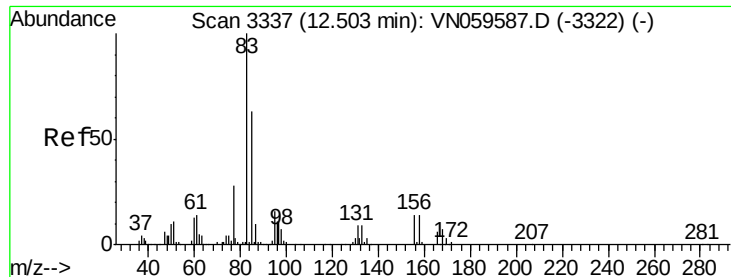
43 100

70 39.0 31.3 46.9

55 27.4 19.8 29.6

61 21.8 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 18.832 ug/l

RT: 12.50 min Scan# 3336

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

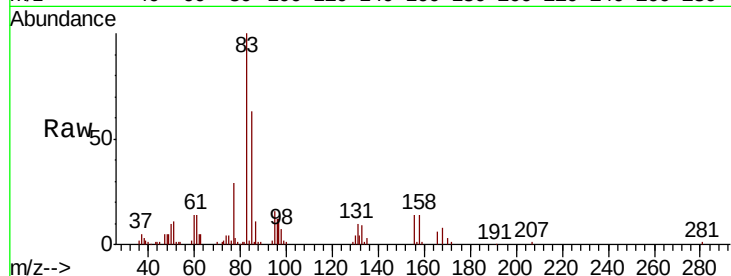
Tot Ion: 83 Resp: 65116

Ion Ratio Lower Upper

83 100

131 10.2 5.0 14.9

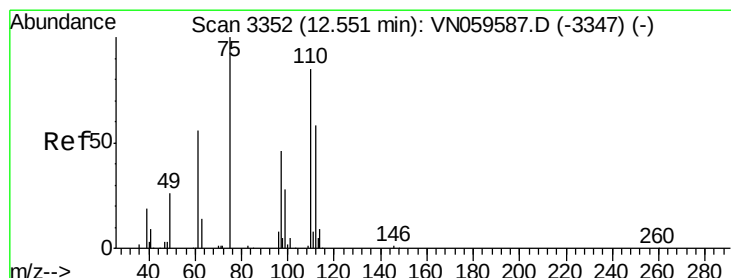
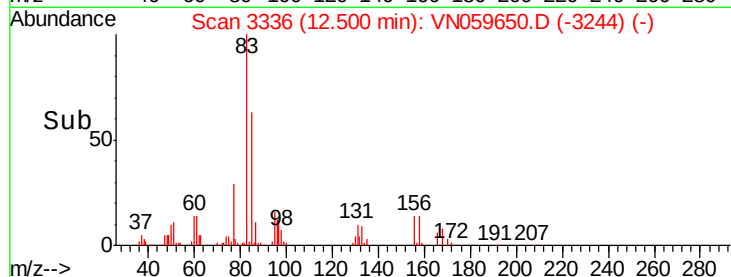
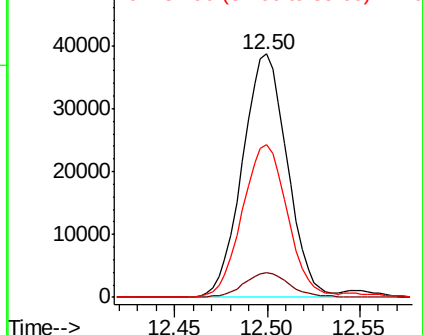
85 63.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.716 ug/l

RT: 12.55 min Scan# 3351

Delta R.T. -0.00 min

Lab File: VN059650.D

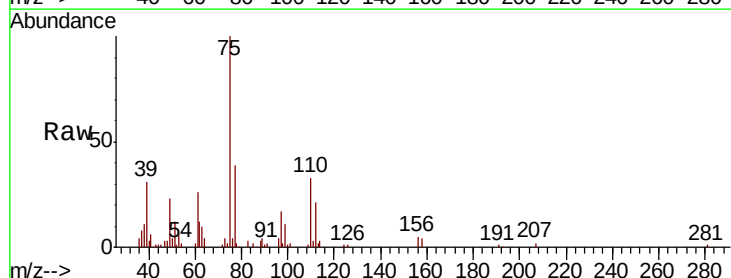
Acq: 18 Dec 2019 15:29

Tgt Ion: 75 Resp: 95277

Ion Ratio Lower Upper

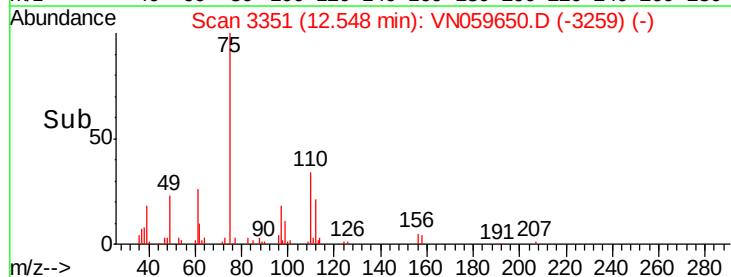
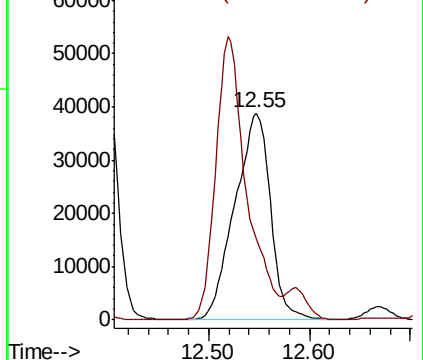
75 100

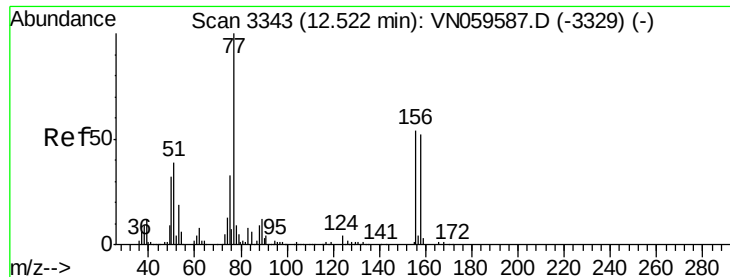
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 18.177 ug/l

RT: 12.52 min Scan# 3342

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

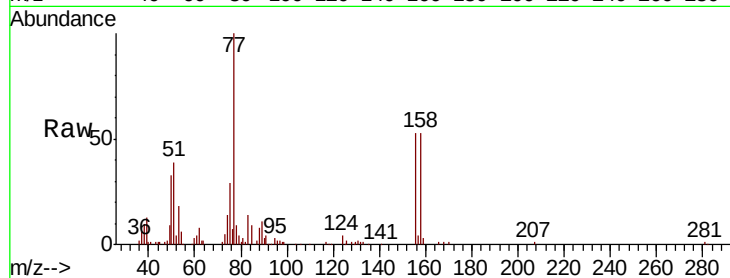
Tot Ion:156 Resp: 48728

Ion Ratio Lower Upper

156 100

77 232.2 115.8 347.4

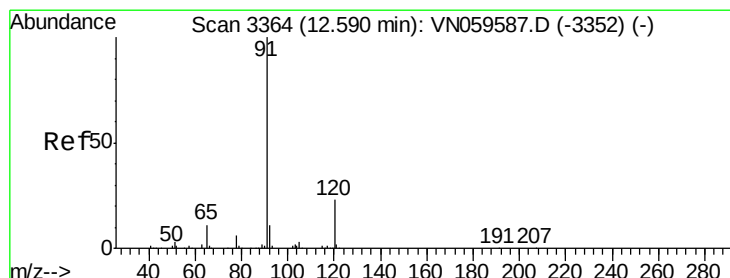
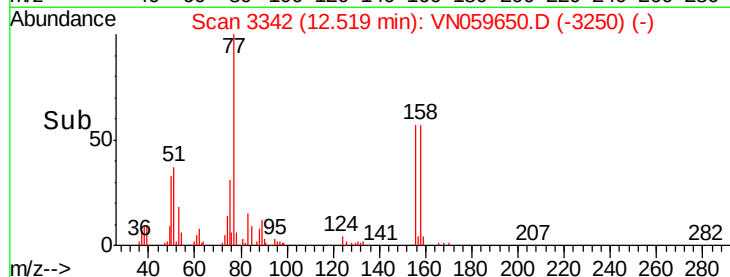
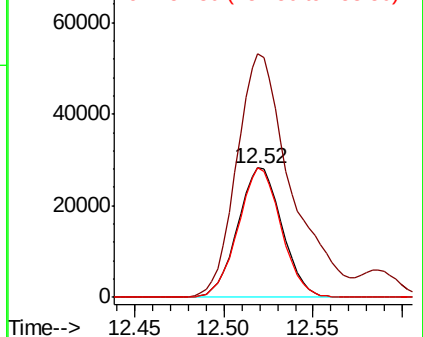
158 97.0 49.2 147.6



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



#78

n-propylbenzene

Concen: 18.198 ug/l

RT: 12.59 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN059650.D

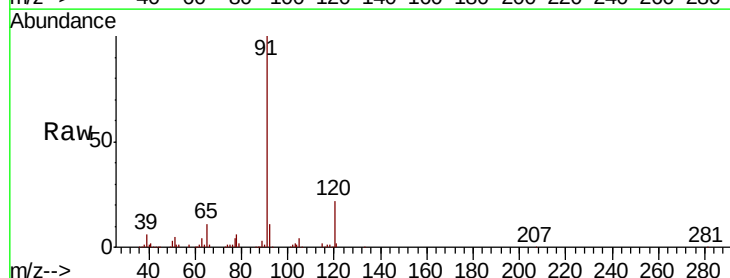
Acq: 18 Dec 2019 15:29

Tgt Ion: 91 Resp: 234485

Ion Ratio Lower Upper

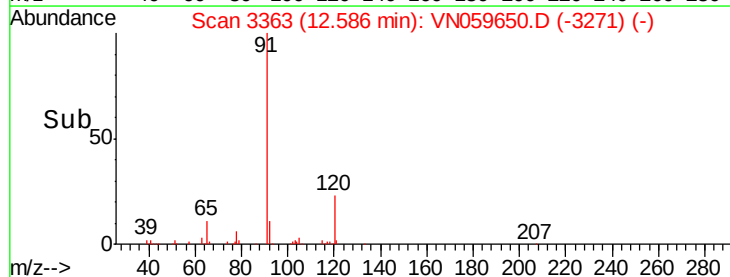
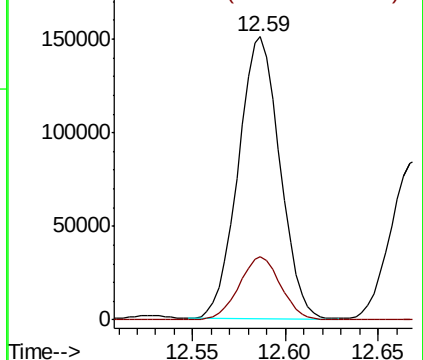
91 100

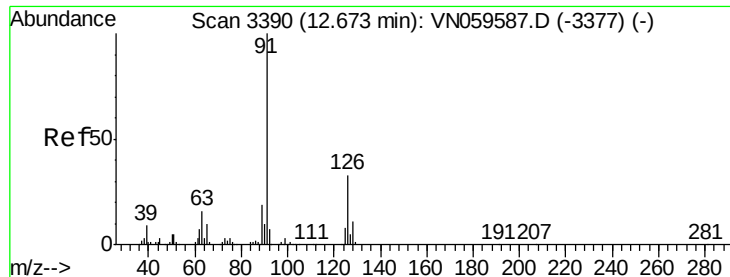
120 22.4 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 17.986 ug/l

RT: 12.67 min Scan# 3389

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

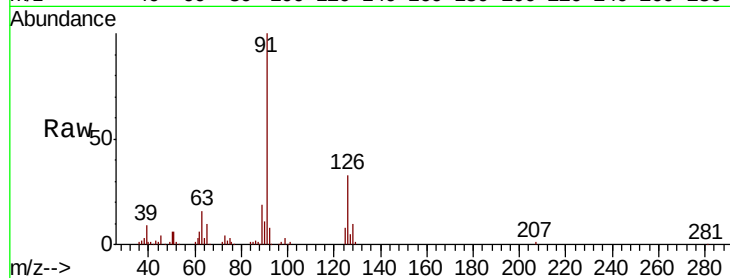
ClientSampleId :

Tot Ion: 91 Resp: 140137

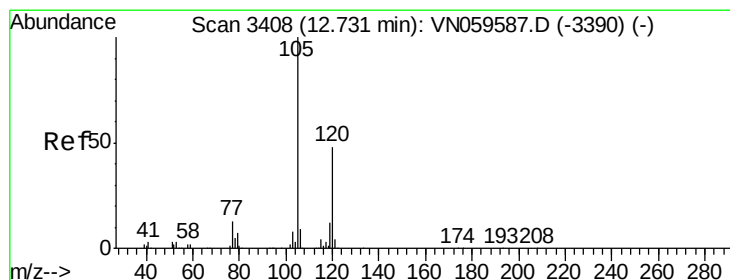
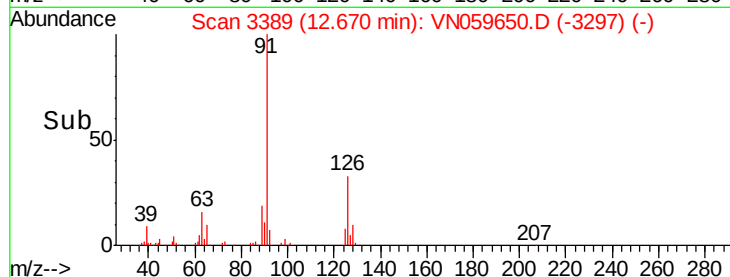
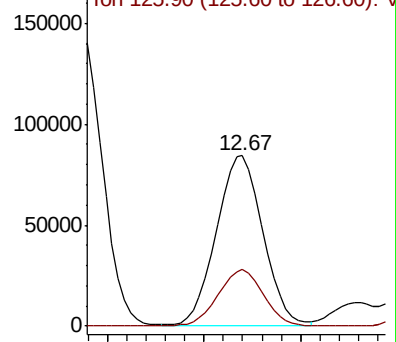
Ion Ratio Lower Upper

91 100

126 32.8 16.3 48.9



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3377) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.180 ug/l

RT: 12.73 min Scan# 3407

Delta R.T. -0.00 min

Lab File: VN059650.D

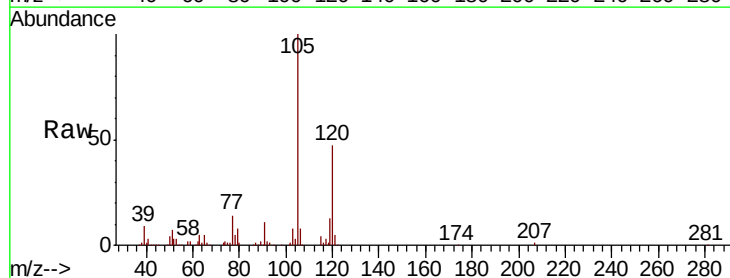
Acq: 18 Dec 2019 15:29

Tgt Ion: 105 Resp: 167700

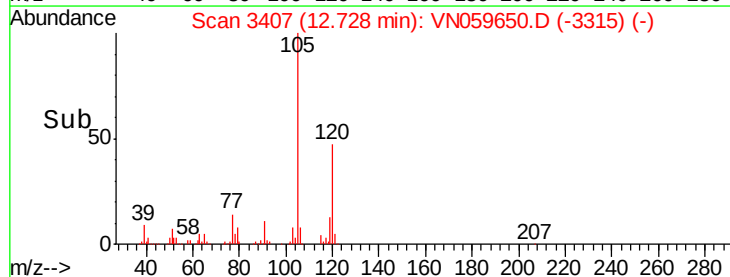
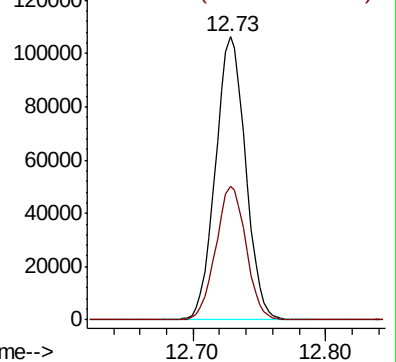
Ion Ratio Lower Upper

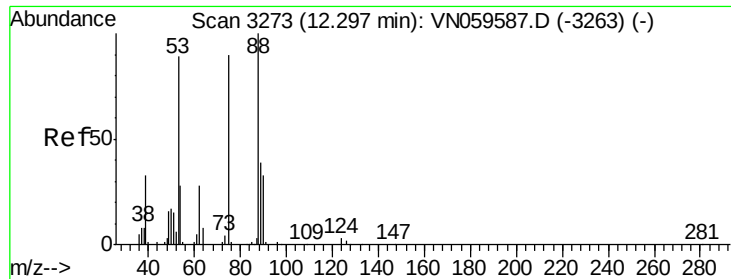
105 100

120 47.4 24.1 72.4



Abundance Ion 105.00 (104.70 to 105.70): VN059587.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 17.545 ug/l

RT: 12.29 min Scan# 3272

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

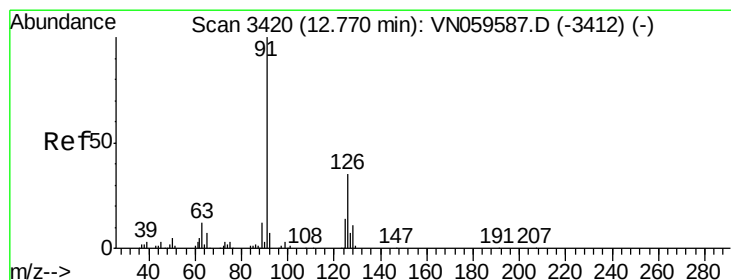
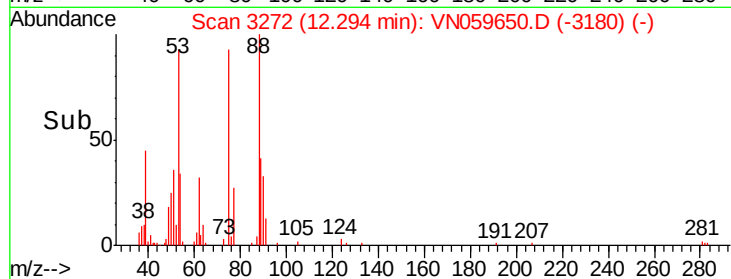
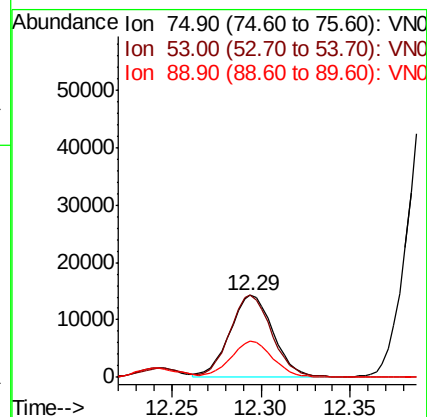
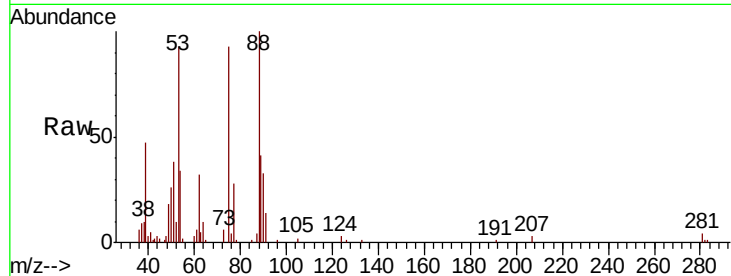
Tot Ion: 75 Resp: 24419

Ion Ratio Lower Upper

75 100

53 96.7 78.1 117.1

89 42.3 35.4 53.2



#82

4-Chlorotoluene

Concen: 18.112 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN059650.D

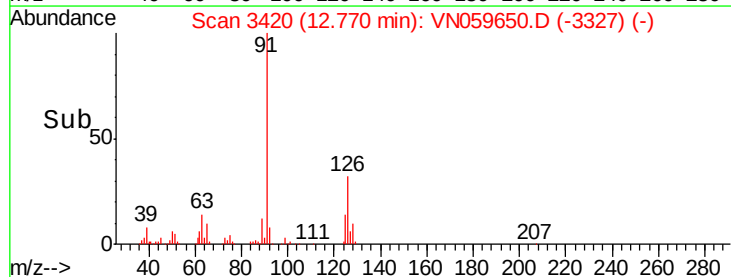
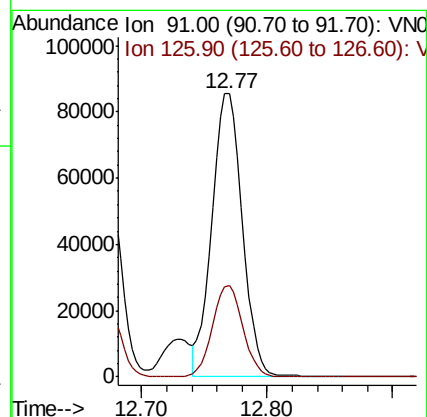
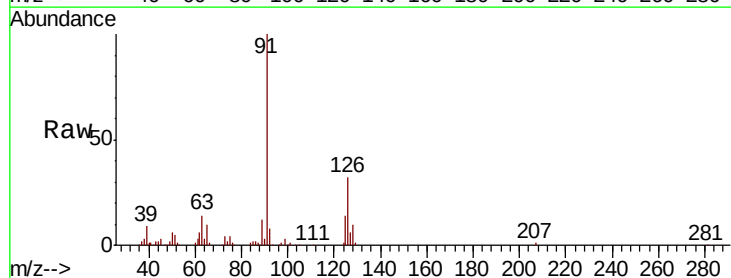
Acq: 18 Dec 2019 15:29

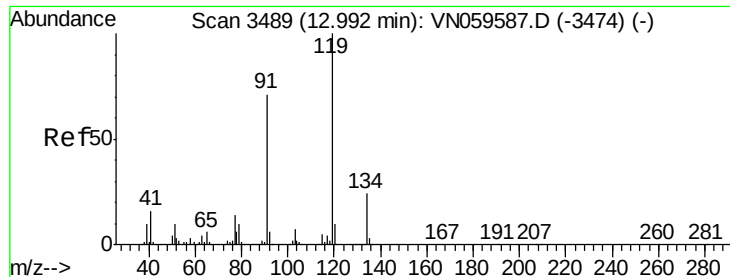
Tgt Ion: 91 Resp: 144490

Ion Ratio Lower Upper

91 100

126 32.0 16.3 48.8





#83

tert-Butylbenzene

Concen: 17.538 ug/l

RT: 12.99 min Scan# 3488

Delta R.T. -0.00 min

Lab File: VN059650.D

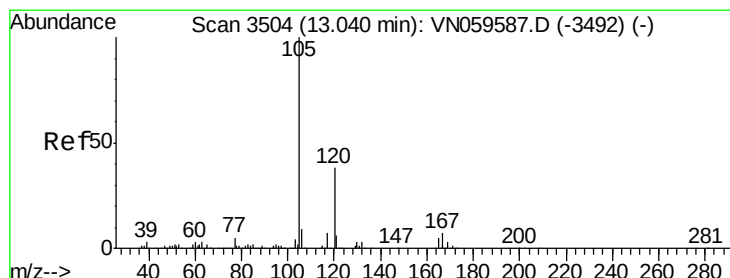
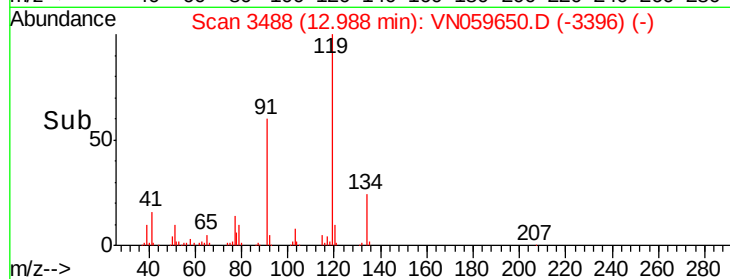
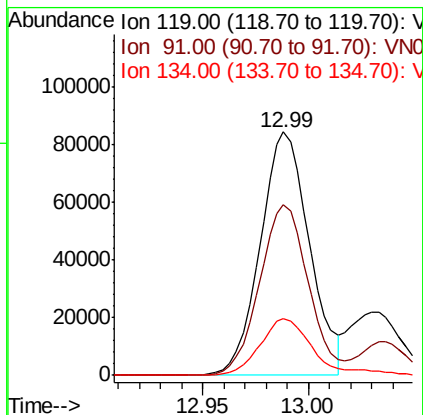
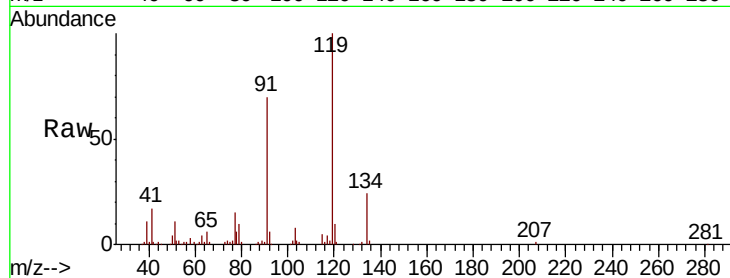
Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampled :

Tot Ion:119	Resp:	137006
Ion Ratio	Lower	Upper
119	100	
91	69.6	34.8 104.4
134	25.4	12.3 36.9



#84

1,2,4-Trimethylbenzene

Concen: 18.247 ug/l

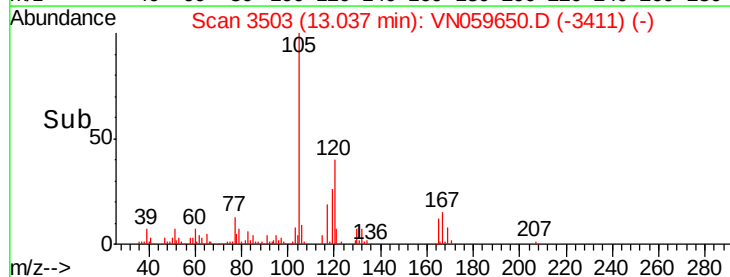
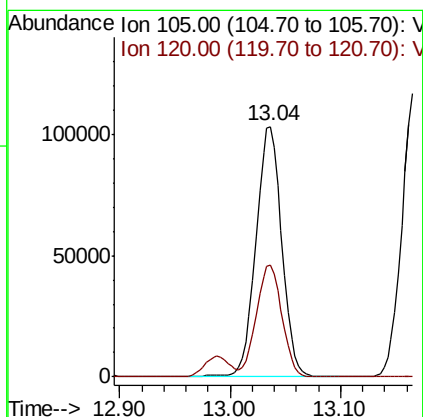
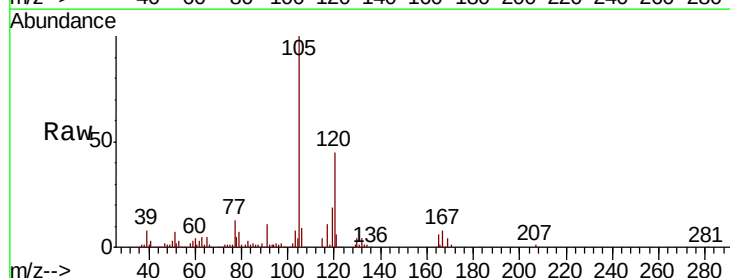
RT: 13.04 min Scan# 3503

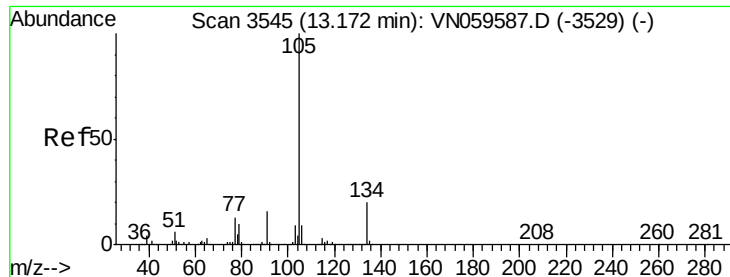
Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Tgt Ion:105	Resp:	167373
Ion Ratio	Lower	Upper
105	100	
120	44.4	22.3 66.9





#85

sec-Butylbenzene

Concen: 18.191 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

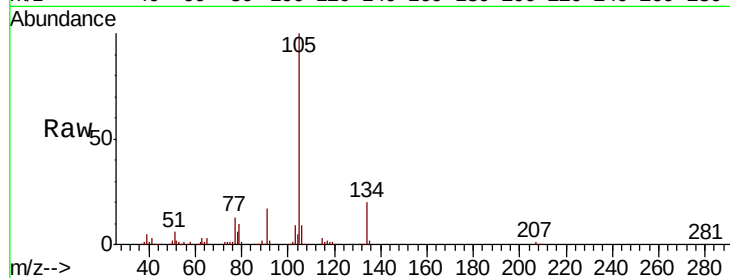
ClientSampled :

Tot Ion:105 Resp: 189032

Ion Ratio Lower Upper

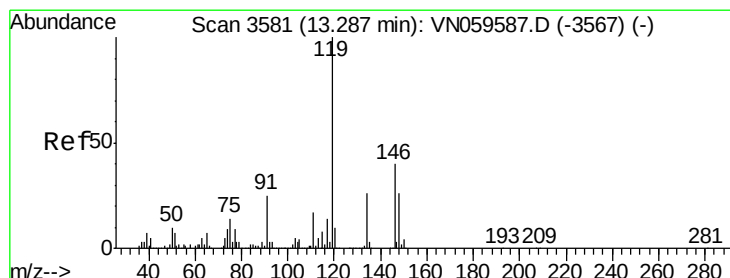
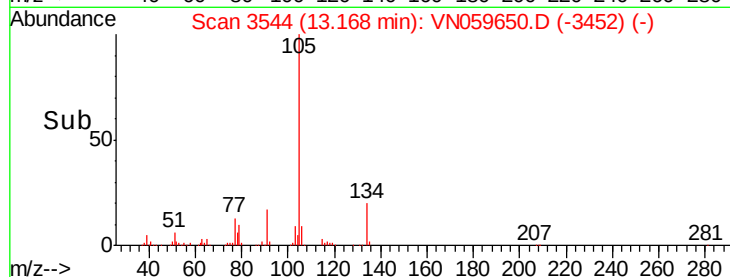
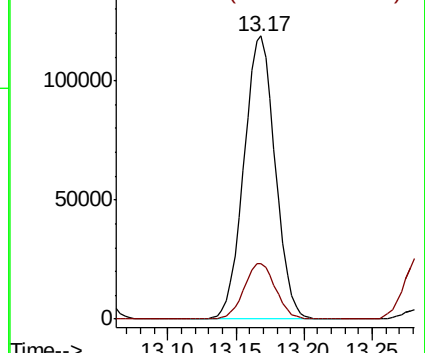
105 100

134 19.7 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: 17.832 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.00 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

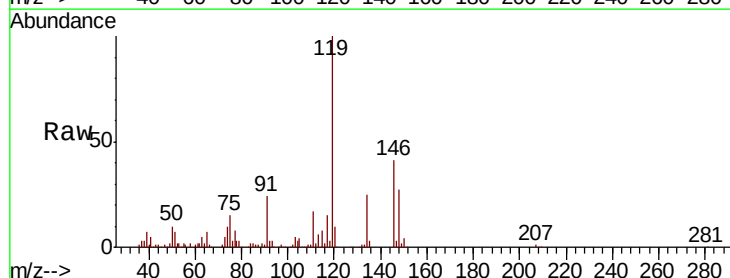
Tgt Ion:119 Resp: 167831

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

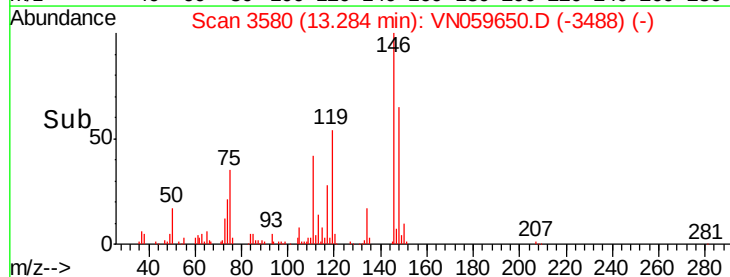
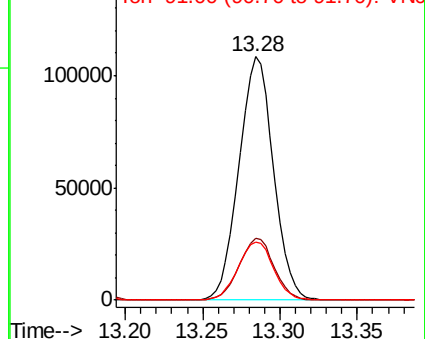
91 24.8 12.4 37.4

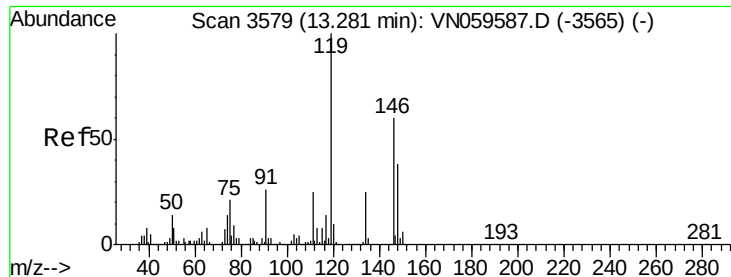


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

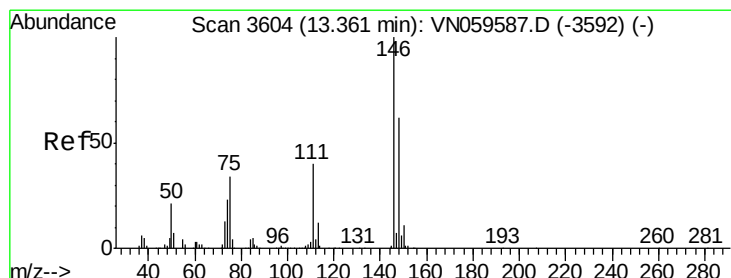
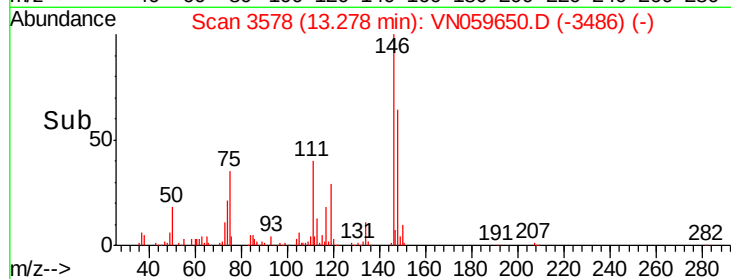
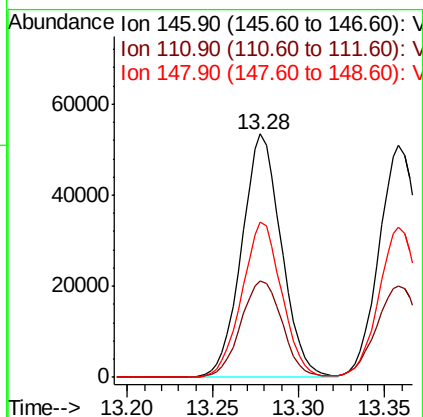
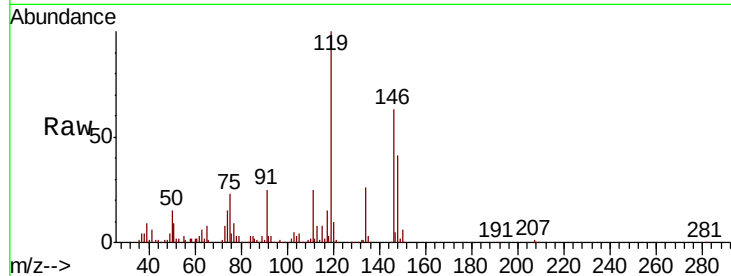




#87
 1,3-Dichlorobenzene
 Concen: 17.336 ug/l
 RT: 13.28 min Scan# 3578
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

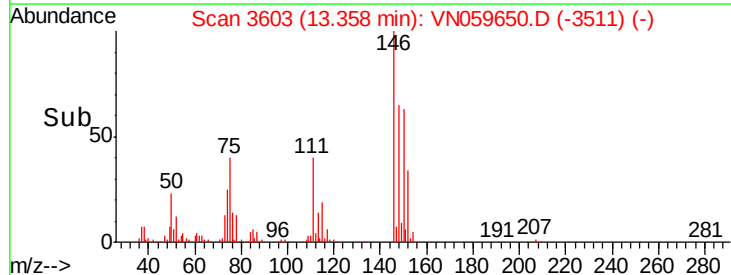
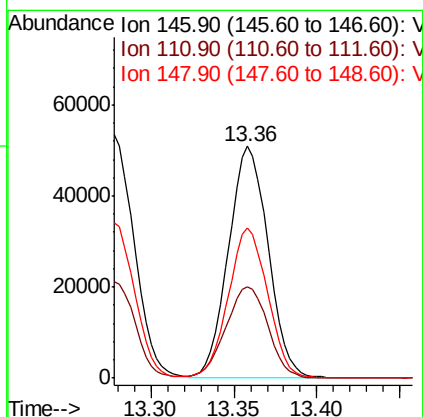
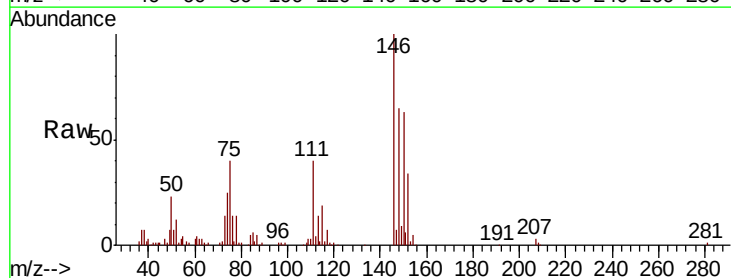
Instrument :
 MSVOA_N
 ClientSampleId :

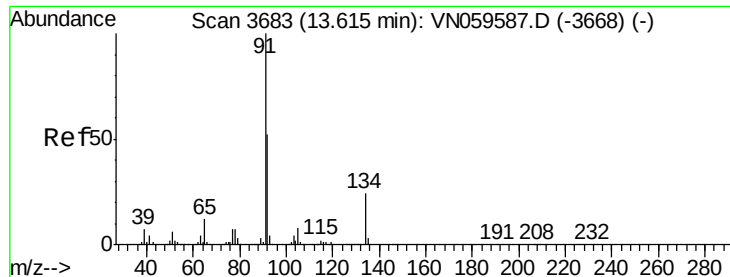
Tot Ion:146 Resp: 85456
 Ion Ratio Lower Upper
 146 100
 111 41.4 20.8 62.2
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 17.063 ug/l
 RT: 13.36 min Scan# 3603
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion:146 Resp: 84803
 Ion Ratio Lower Upper
 146 100
 111 41.8 20.8 62.2
 148 64.6 31.8 95.4





#89

n-Butylbenzene

Concen: 17.024 ug/l

RT: 13.61 min Scan# 3681

Delta R.T. -0.01 min

Lab File: VN059650.D

Acq: 18 Dec 2019 15:29

Instrument :

MSVOA_N

ClientSampleId :

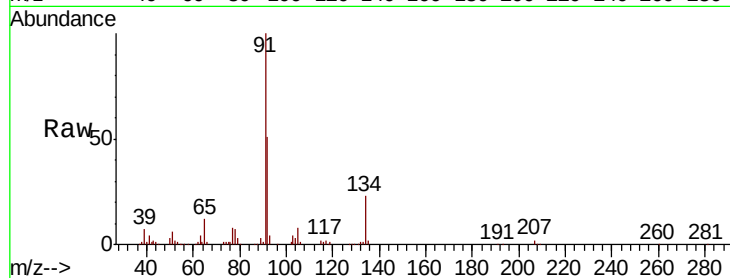
Tot Ion: 91 Resp: 150221

Ion Ratio Lower Upper

91 100

92 51.1 25.9 77.7

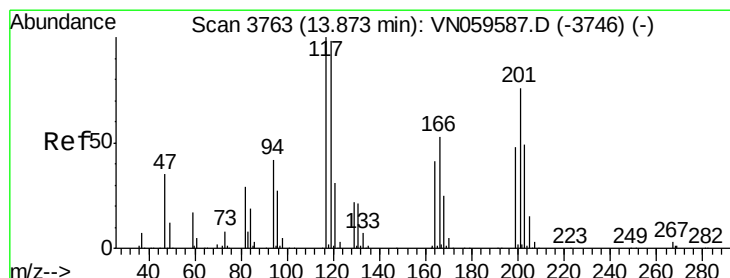
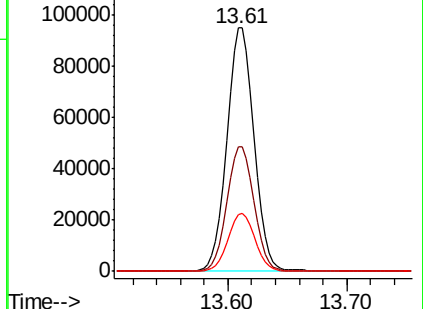
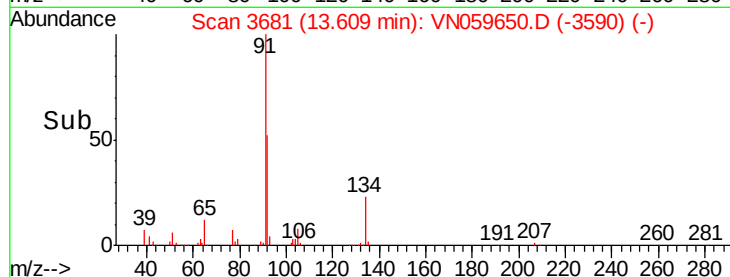
134 23.6 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059587.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059587.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059587.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.196 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN059650.D

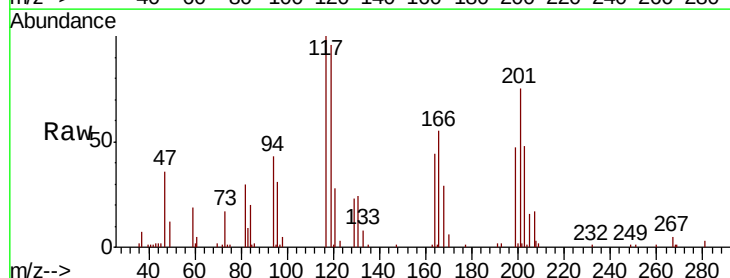
Acq: 18 Dec 2019 15:29

Tgt Ion: 117 Resp: 32371

Ion Ratio Lower Upper

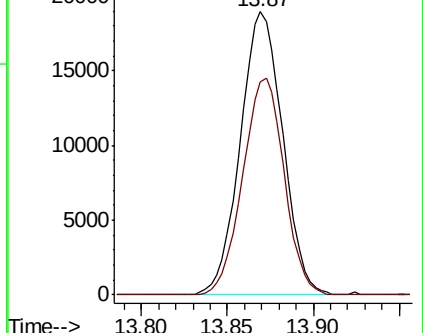
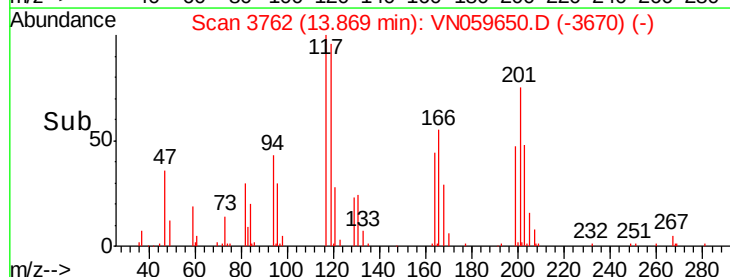
117 100

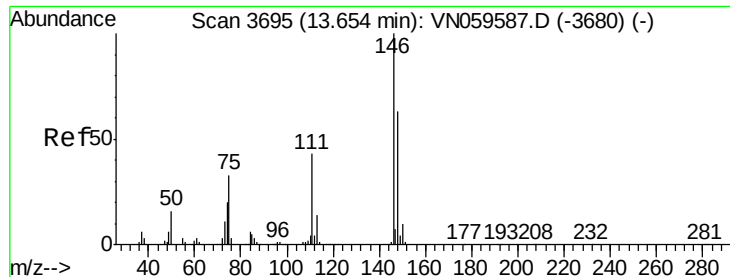
201 74.7 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059587.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059587.D (-3746) (-)

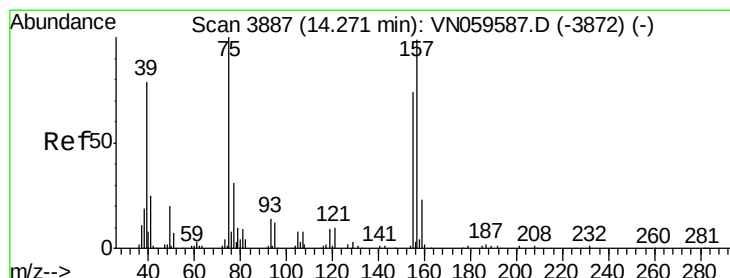
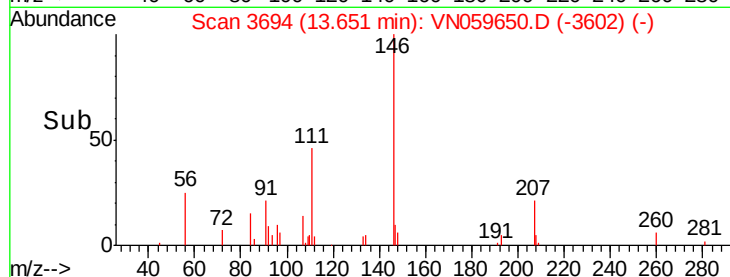
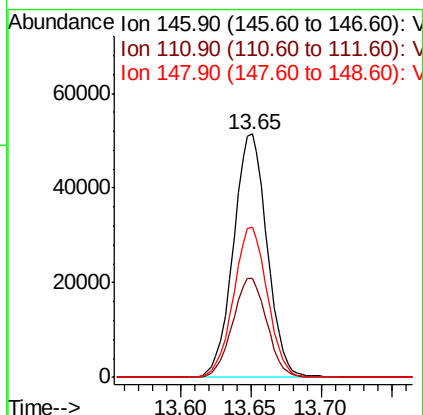
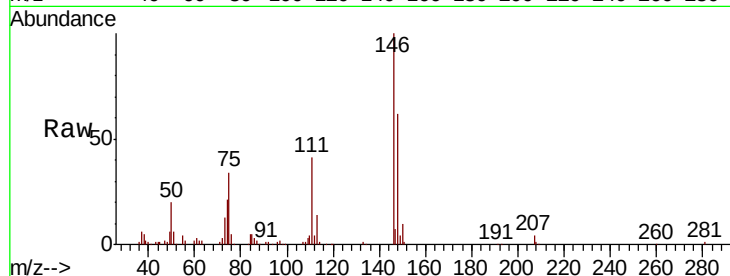




#91
 1,2-Dichlorobenzene
 Concen: 17.695 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

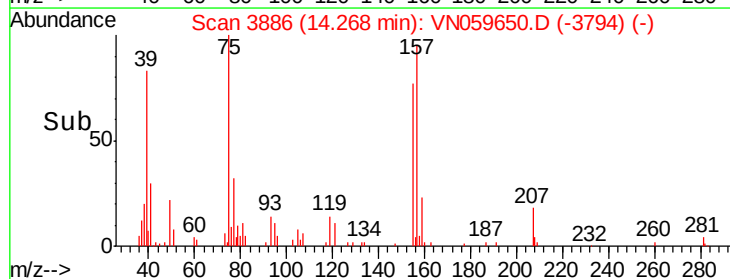
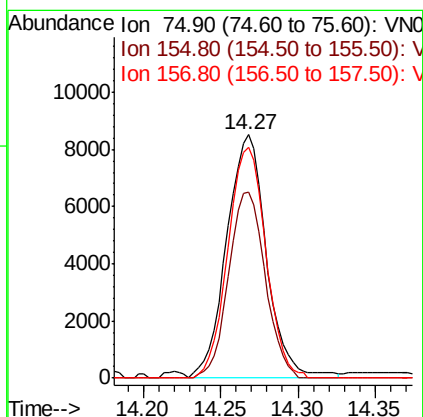
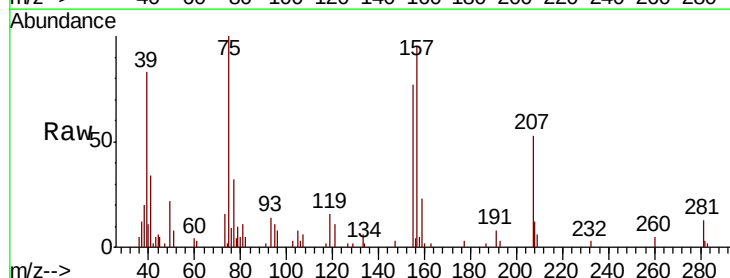
Instrument :
 MSVOA_N
 ClientSampleId :

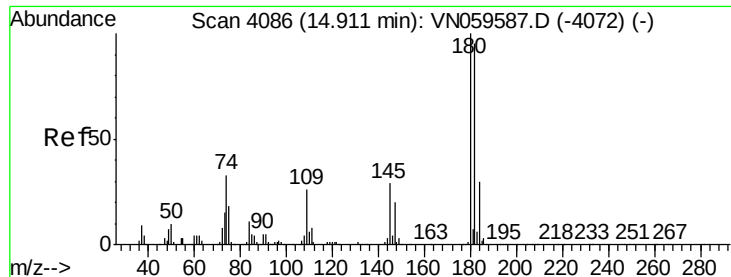
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.1	21.6	64.8
148	62.0	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.845 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion	Ratio	Lower	Upper
75	100		
155	70.1	37.0	110.9
157	90.2	48.4	145.2

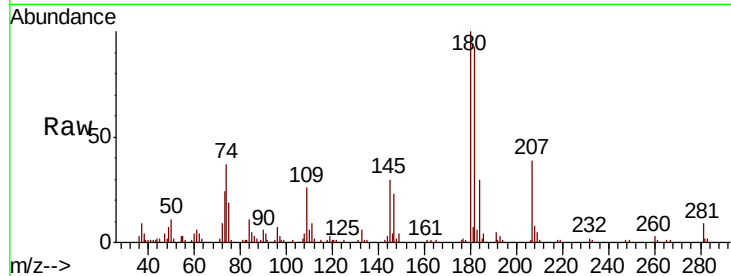




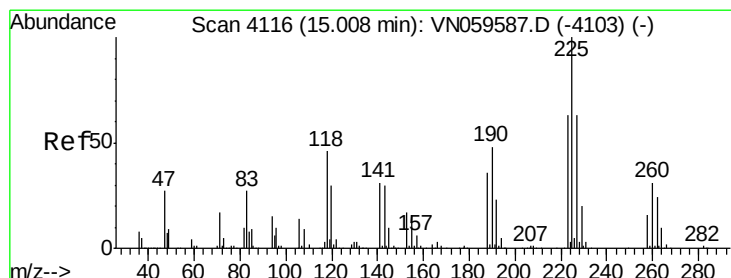
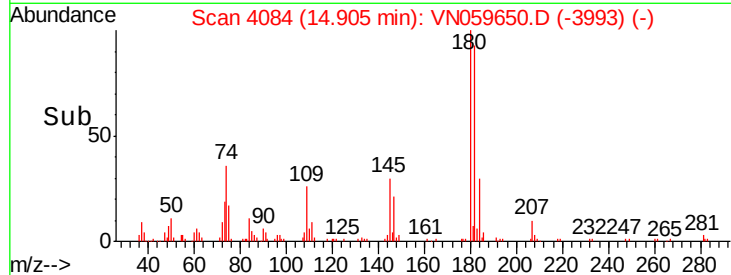
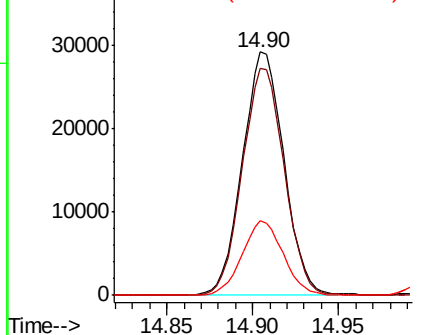
#93
 1,2,4-Trichlorobenzene
 Concen: 15.561 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.01 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 48849
 Ion Ratio Lower Upper
 180 100
 182 94.2 46.9 140.7
 145 30.2 15.0 45.1

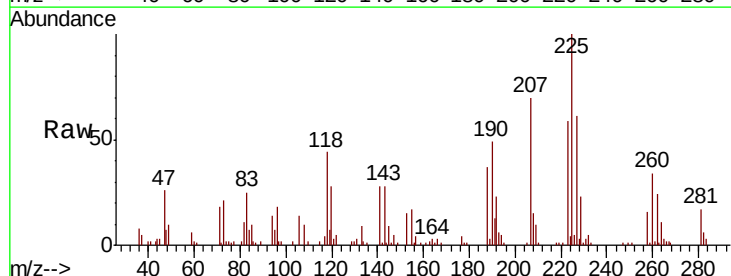


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

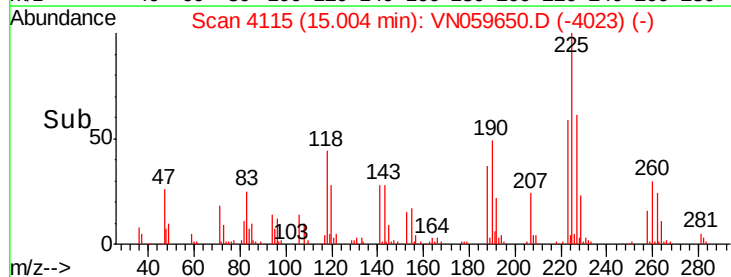
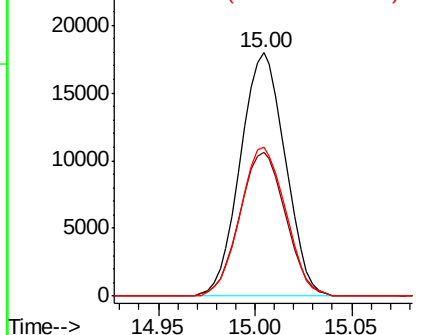


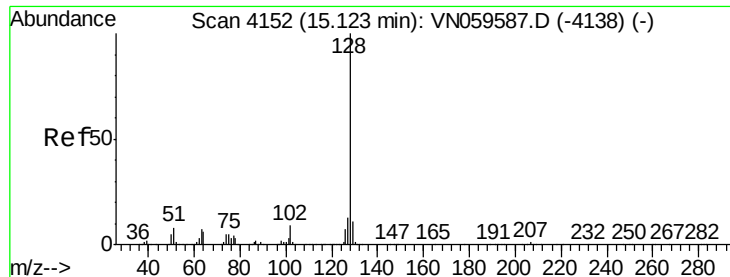
#94
 Hexachlorobutadiene
 Concen: 18.110 ug/l
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN059650.D
 Acq: 18 Dec 2019 15:29

Tgt Ion:225 Resp: 29050
 Ion Ratio Lower Upper
 225 100
 223 60.6 31.8 95.3
 227 62.1 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

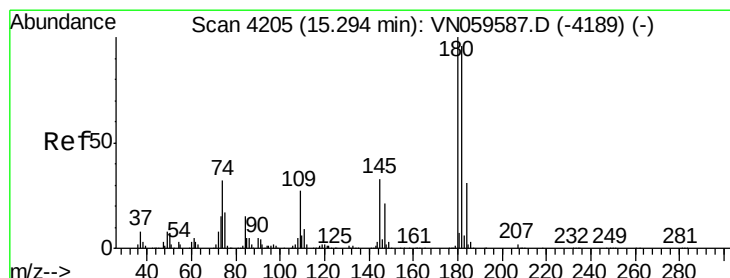
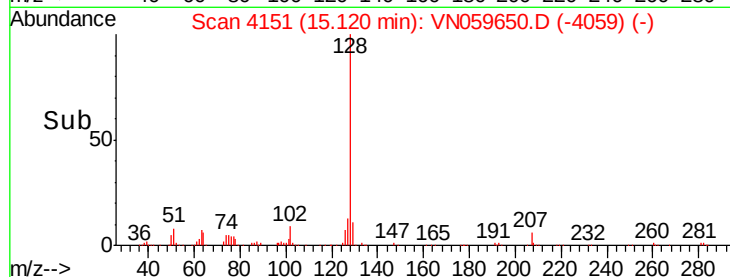
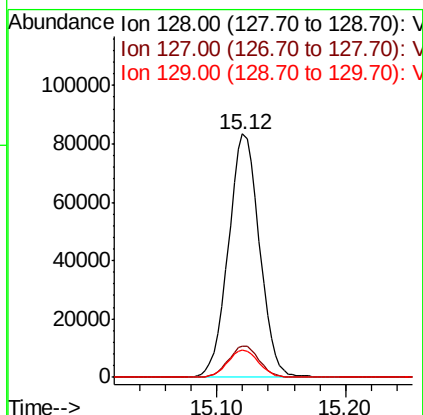
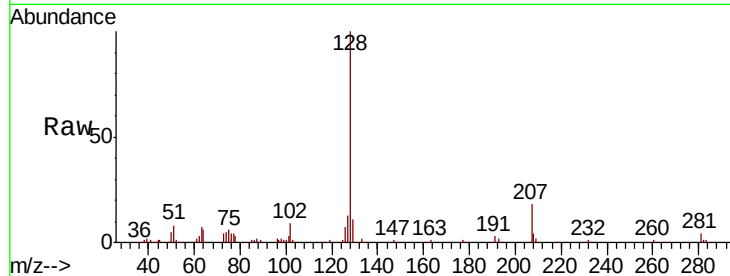




#95
Naphthalene
Concen: 14.903 ug/l
RT: 15.12 min Scan# 4151
Delta R.T. -0.00 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.4	15.6
129	11.1	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 15.535 ug/l
RT: 15.29 min Scan# 4203
Delta R.T. -0.01 min
Lab File: VN059650.D
Acq: 18 Dec 2019 15:29

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	47.4	142.3
145	32.4	16.3	48.9

