

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059587.D
 Acq On : 13 Dec 2019 16:44
 Operator : JC/SP
 Sample : VSTDICCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 17:26:50 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121319W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 13 17:23:03 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	255311	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	413862	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	381495	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	186031	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.00	65	182878	49.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.74%	
35) Dibromofluoromethane	7.57	113	126344	50.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.56%	
50) Toluene-d8	10.08	98	511680	49.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.04%	
62) 4-Bromofluorobenzene	12.40	95	188758	50.54	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.08%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	153744	50.647	ug/l	100
3) Chloromethane	2.04	50	250211	53.831	ug/l	100
4) Vinyl Chloride	2.17	62	235445	51.922	ug/l	100
5) Bromomethane	2.53	94	137834	49.734	ug/l	100
6) Chloroethane	2.67	64	131856	49.015	ug/l	100
7) Trichlorofluoromethane	2.99	101	273506	50.654	ug/l	100
8) Diethyl Ether	3.38	74	83249	45.330	ug/l	100
9) 1,1,2-Trichlorotrifluoroet	3.73	101	130064	46.674	ug/l	100
10) Methyl Iodide	3.92	142	180670	47.438	ug/l	100
11) Tert butyl alcohol	4.75	59	158021	255.146	ug/l	100
12) 1,1-Dichloroethene	3.71	96	127479	46.794	ug/l	100
13) Acrolein	3.58	56	124899	353.712	ug/l	100
14) Allyl chloride	4.29	41	255115	48.818	ug/l	100
15) Acrylonitrile	4.95	53	404588	253.550	ug/l	100
16) Acetone	3.79	43	530032	294.084	ug/l	100
17) Carbon Disulfide	4.02	76	399082	39.889	ug/l	100
18) Methyl Acetate	4.29	43	214829	47.878	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	460650	50.918	ug/l	100
20) Methylene Chloride	4.52	84	149492	43.304	ug/l	100
21) trans-1,2-Dichloroethene	5.01	96	141219	48.458	ug/l	100
22) Diisopropyl ether	5.92	45	499545	50.235	ug/l	100
23) Vinyl Acetate	5.86	43	2071633	251.526	ug/l	100
24) 1,1-Dichloroethane	5.82	63	279071	49.373	ug/l	100
25) 2-Butanone	6.81	43	644573	275.715	ug/l	100
26) 2,2-Dichloropropane	6.80	77	254136	49.732	ug/l	100
27) cis-1,2-Dichloroethene	6.80	96	162491	49.503	ug/l	100
28) Bromochloromethane	7.17	49	117511	63.841	ug/l	100
29) Tetrahydrofuran	7.18	42	387842	243.142	ug/l	100
30) Chloroform	7.35	83	275052	49.344	ug/l	100
31) Cyclohexane	7.63	56	252429	45.941	ug/l	100
32) 1,1,1-Trichloroethane	7.55	97	245523	49.627	ug/l	100
36) 1,1-Dichloropropene	7.77	75	209524	48.592	ug/l	100
37) Ethyl Acetate	6.90	43	237759	52.912	ug/l	100
38) Carbon Tetrachloride	7.75	117	213907	50.195	ug/l	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	243259	50.351	ug/l	100
40) Benzene	8.02	78	614649	49.796	ug/l	100
41) Methacrylonitrile	7.18	41	354224	168.315	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	237514	51.542	ug/l	100
43) Isopropyl Acetate	8.14	43	384946	51.526	ug/l	100
44) Trichloroethene	8.82	130	157130	50.233	ug/l	100
45) 1,2-Dichloropropane	9.10	63	164417	50.313	ug/l	100
46) Dibromomethane	9.19	93	107410	49.599	ug/l	100
47) Bromodichloromethane	9.39	83	218773	50.926	ug/l	100
48) Methyl methacrylate	9.18	41	174364	53.162	ug/l	100
49) 1,4-Dioxane	9.18	88	54066	1232.396	ug/l	100
51) 4-Methyl-2-Pentanone	9.97	43	1203944	277.177	ug/l	100
52) Toluene	10.15	92	374024	50.777	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	255230	50.926	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	268644	52.297	ug/l	100
55) 1,1,2-Trichloroethane	10.55	97	149015	50.011	ug/l	100
56) Ethyl methacrylate	10.42	69	235871	53.563	ug/l	100
57) 1,3-Dichloropropane	10.70	76	261182	51.303	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	445573	319.506	ug/l	100
59) 2-Hexanone	10.74	43	961577	292.115	ug/l	100
60) Dibromochloromethane	10.90	129	165048	51.093	ug/l	100
61) 1,2-Dibromoethane	11.00	107	156132	50.405	ug/l	100
64) Tetrachloroethene	10.62	164	161833	54.670	ug/l	100
65) Chlorobenzene	11.43	112	395739	48.581	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	151321	49.724	ug/l	100
67) Ethyl Benzene	11.51	91	733118	50.087	ug/l	100
68) m/p-Xylenes	11.62	106	540002	99.592	ug/l	100
69) o-Xylene	11.94	106	258941	51.148	ug/l	100
70) Styrene	11.96	104	428425	51.100	ug/l	100
71) Bromoform	12.12	173	120044	50.884	ug/l #	100
73) Isopropylbenzene	12.25	105	703416	48.370	ug/l	100
74) N-amyl acetate	12.07	43	336763	52.856	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.50	83	222814	45.911	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	325945	66.588	ug/l #	100
77) Bromobenzene	12.52	156	166751	46.749	ug/l	100
78) n-propylbenzene	12.59	91	838585	47.437	ug/l	100
79) 2-Chlorotoluene	12.67	91	492671	46.690	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	596435	48.470	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	88660	47.838	ug/l	100
82) 4-Chlorotoluene	12.77	91	509176	47.374	ug/l	100
83) tert-Butylbenzene	12.99	119	494851	48.314	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	599366	49.386	ug/l	100
85) sec-Butylbenzene	13.17	105	676615	48.222	ug/l	100
86) p-Isopropyltoluene	13.29	119	615203	49.140	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	306292	46.856	ug/l	100
88) 1,4-Dichlorobenzene	13.36	146	302727	47.398	ug/l	100
89) n-Butylbenzene	13.62	91	569633	48.270	ug/l	100
90) Hexachloroethane	13.87	117	115425	49.891	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	300983	48.882	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.27	75	54091	43.954	ug/l	100

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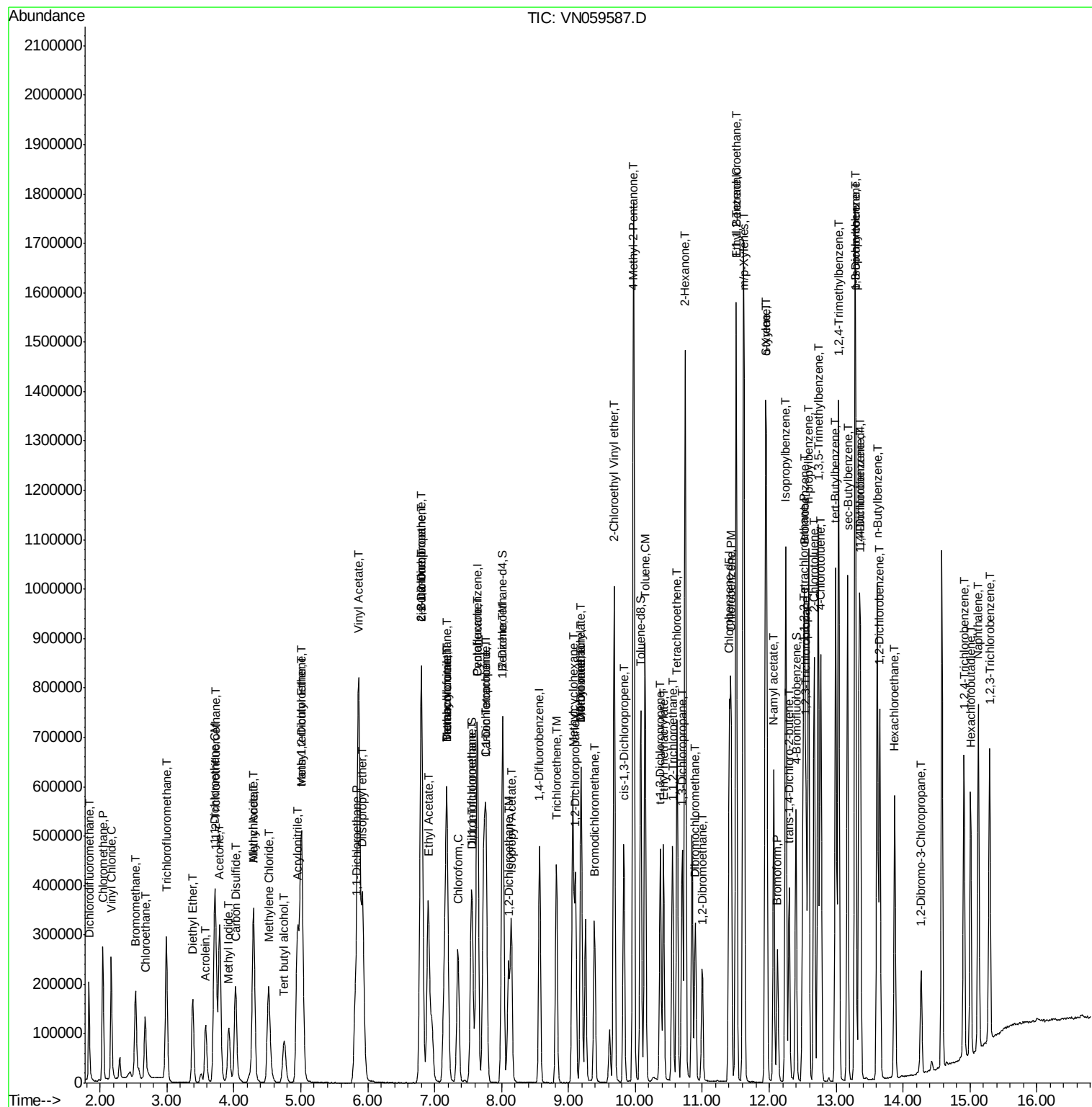
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	187362	44.735	ug/l	100
94) Hexachlorobutadiene	15.01	225	93353	44.150	ug/l	100
95) Naphthalene	15.12	128	555387	45.010	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	179775	41.764	ug/l	100

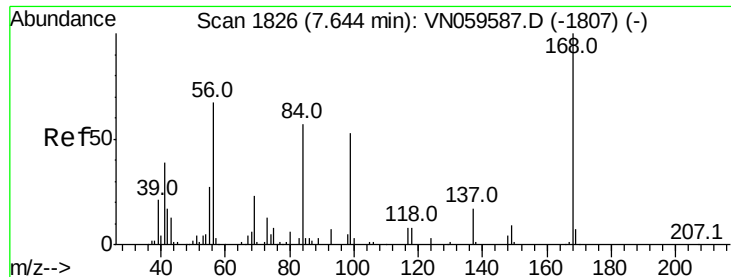
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN121319\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

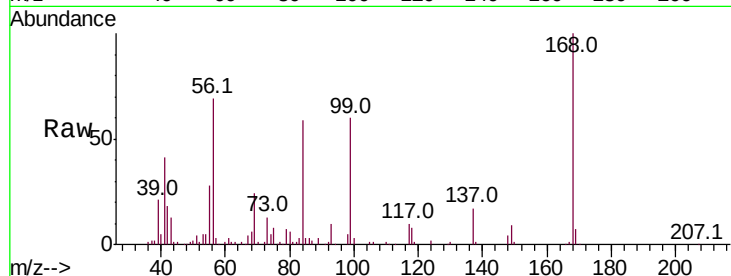
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 255311

Ion Ratio Lower Upper

168 100

99 60.3 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

120000

100000

80000

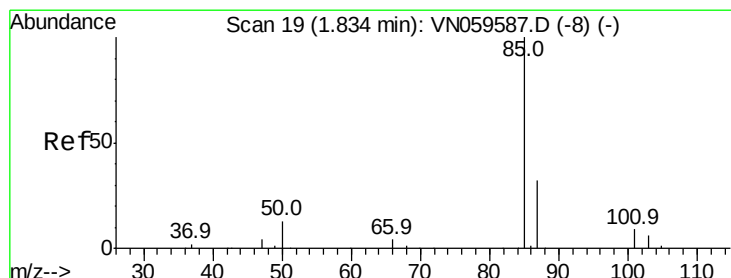
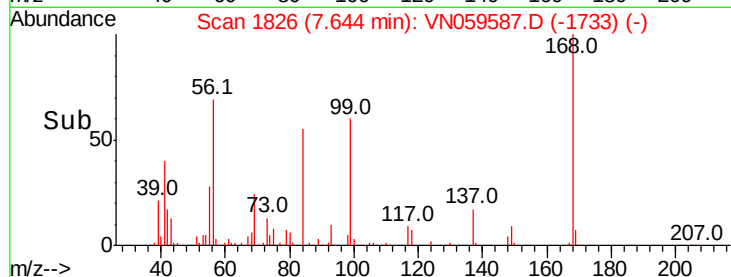
60000

40000

20000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 50.647 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059587.D

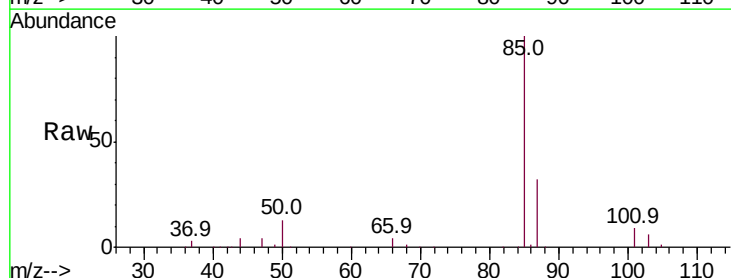
Acq: 13 Dec 2019 16:44

Tgt Ion: 85 Resp: 153744

Ion Ratio Lower Upper

85 100

87 31.8 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

120000

100000

80000

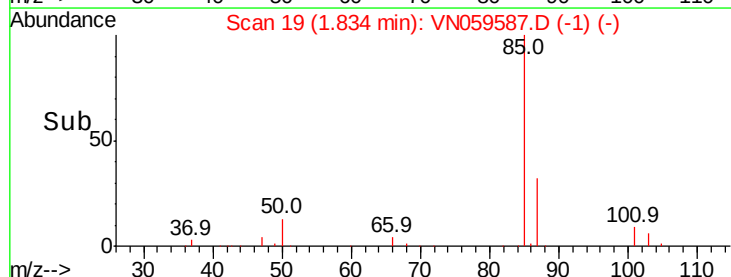
60000

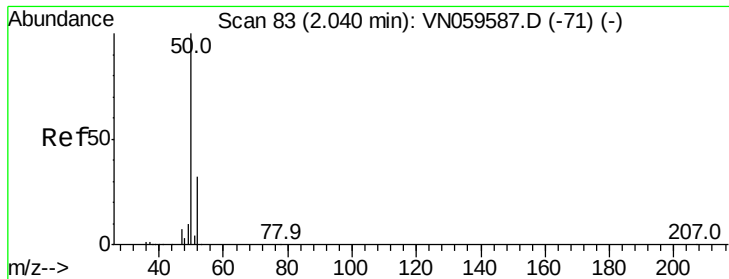
40000

20000

0

Time-->





#3

Chloromethane

Concen: 53.831 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

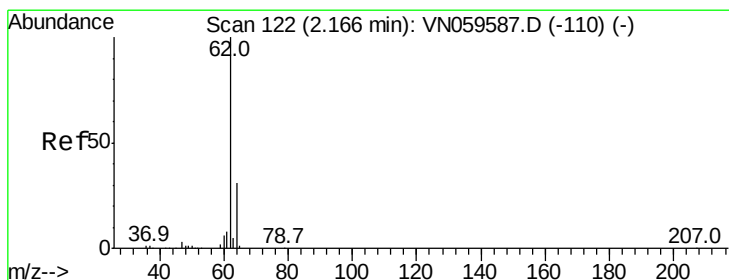
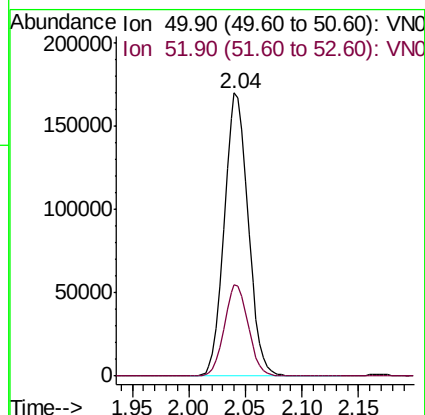
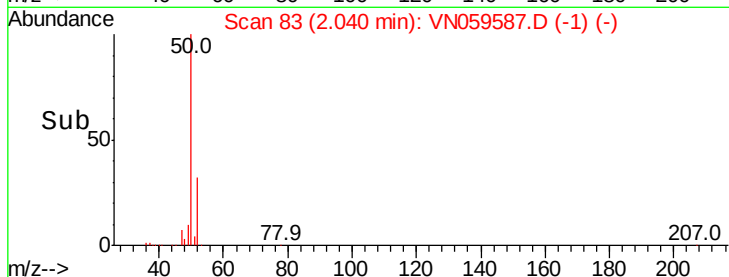
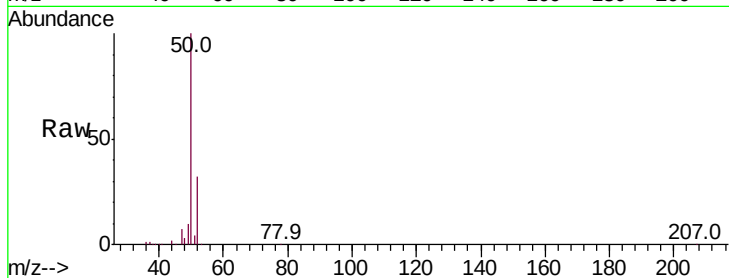
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 50 Resp: 250211

Ion Ratio Lower Upper

50 100

52 32.4 25.9 38.9



#4

Vinyl Chloride

Concen: 51.922 ug/l

RT: 2.17 min Scan# 122

Delta R.T. 0.00 min

Lab File: VN059587.D

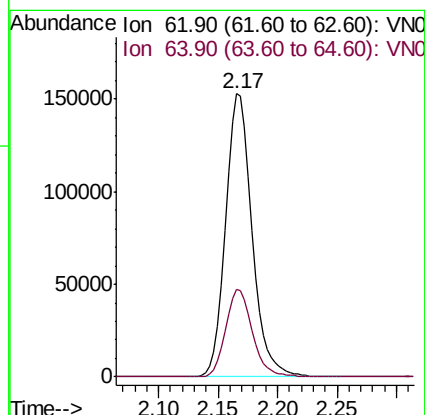
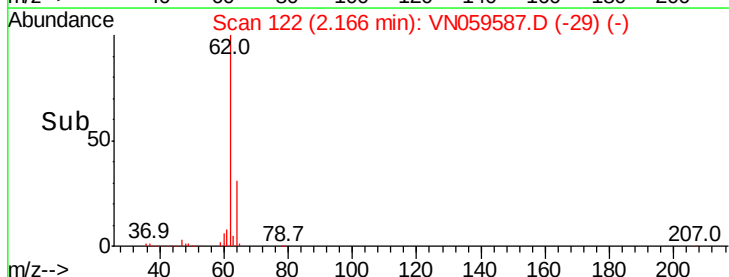
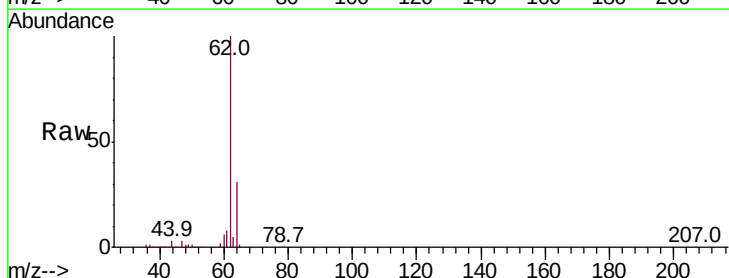
Acq: 13 Dec 2019 16:44

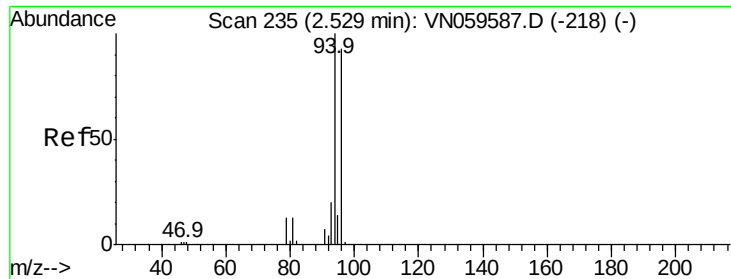
Tgt Ion: 62 Resp: 235445

Ion Ratio Lower Upper

62 100

64 30.8 24.6 37.0





#5

Bromomethane

Concen: 49.734 ug/l

RT: 2.53 min Scan# 235

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

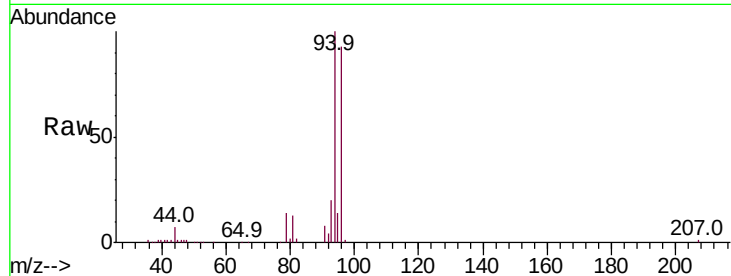
ClientSampled :

Tot Ion: 94 Resp: 137834

Ion Ratio Lower Upper

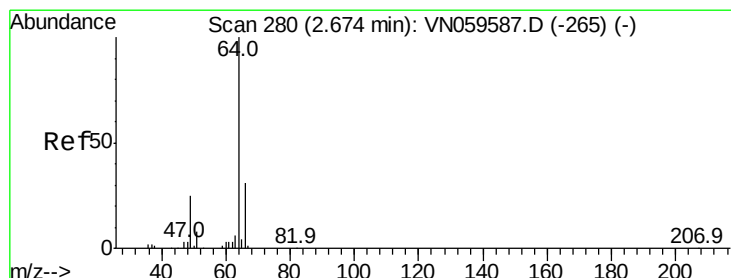
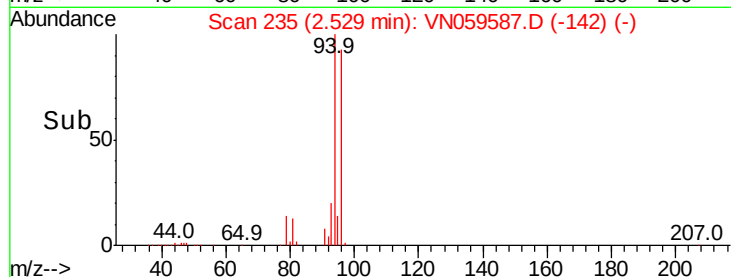
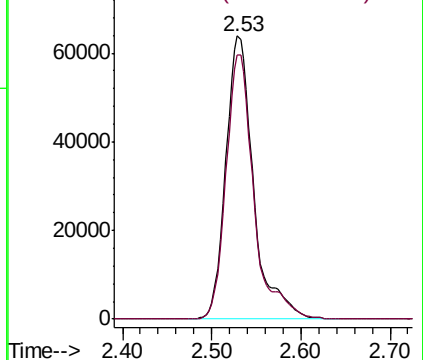
94 100

96 93.4 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 49.015 ug/l

RT: 2.67 min Scan# 280

Delta R.T. 0.00 min

Lab File: VN059587.D

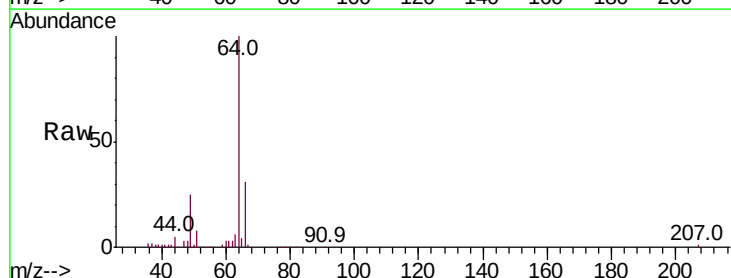
Acq: 13 Dec 2019 16:44

Tgt Ion: 64 Resp: 131856

Ion Ratio Lower Upper

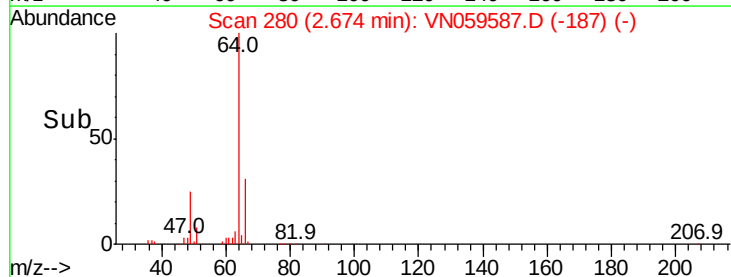
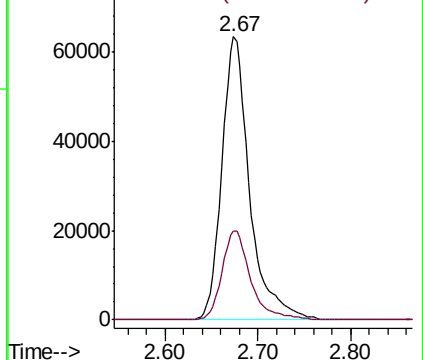
64 100

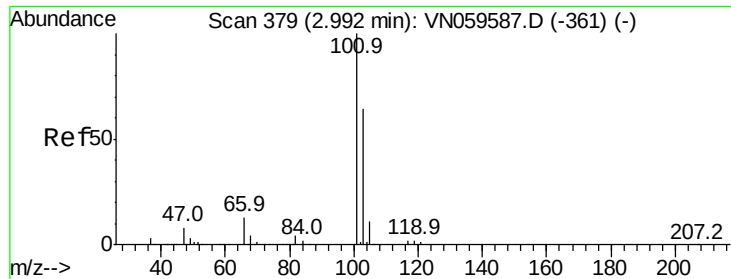
66 31.4 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



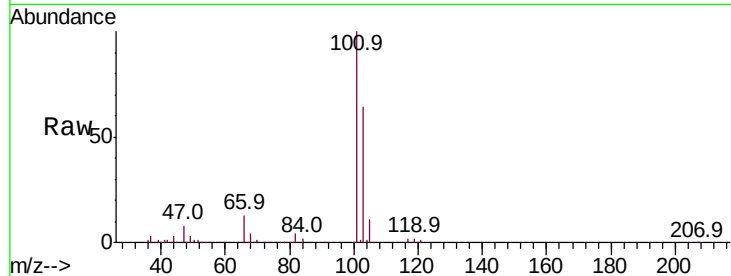


#7

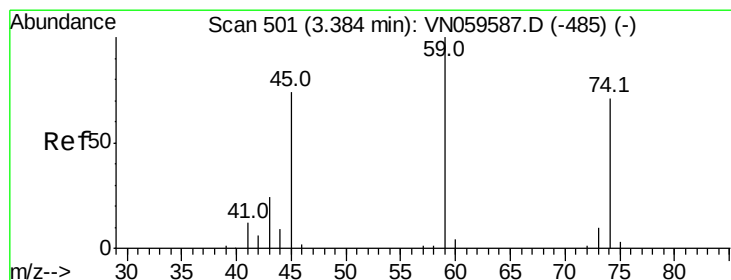
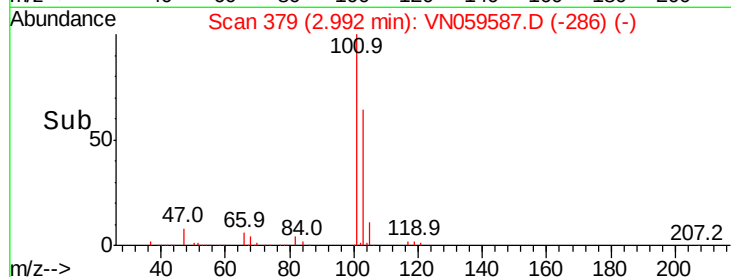
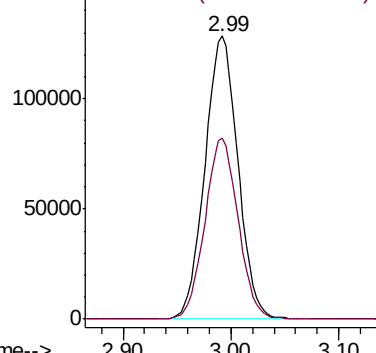
Trichlorofluoromethane
 Concen: 50.654 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:101 Resp: 273506
 Ion Ratio Lower Upper
 101 100
 103 63.8 51.0 76.6



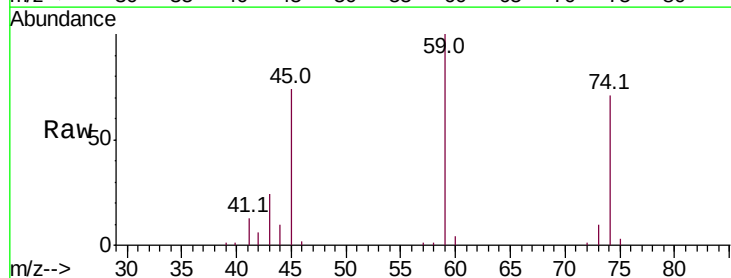
Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 102.80 (102.50 to 103.50): V



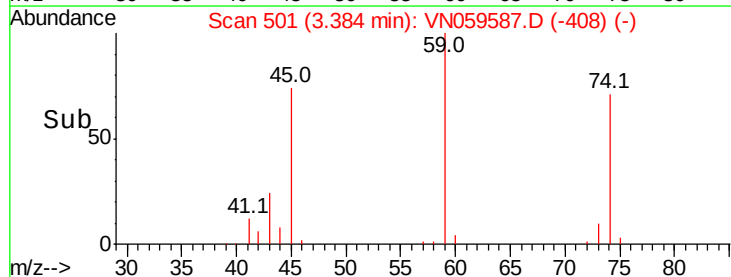
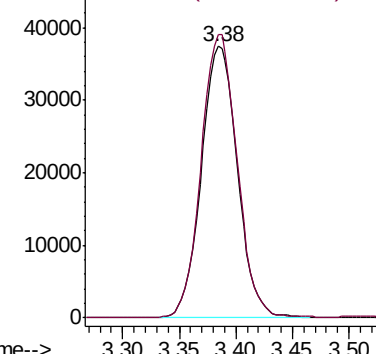
#8

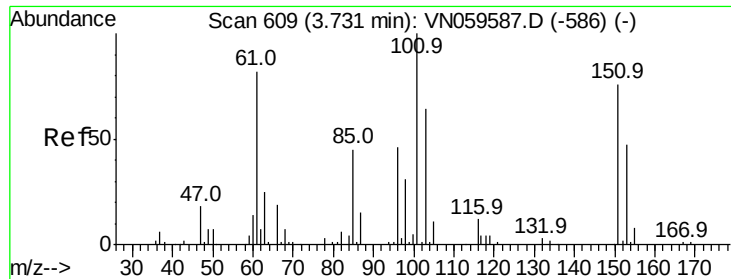
Diethyl Ether
 Concen: 45.330 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion: 74 Resp: 83249
 Ion Ratio Lower Upper
 74 100
 45 103.9 51.9 155.8



Abundance Ion 74.00 (73.70 to 74.70): VNO
 Ion 45.00 (44.70 to 45.70): VNO

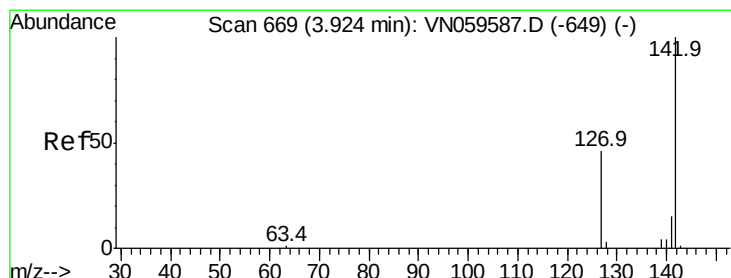
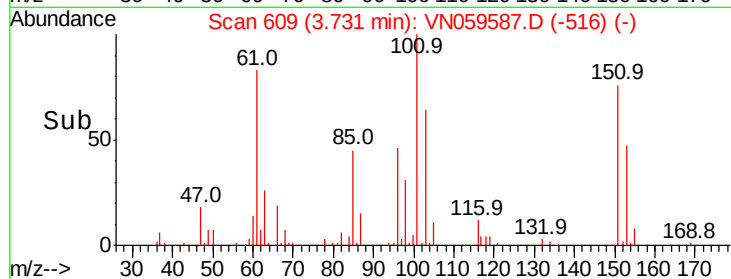
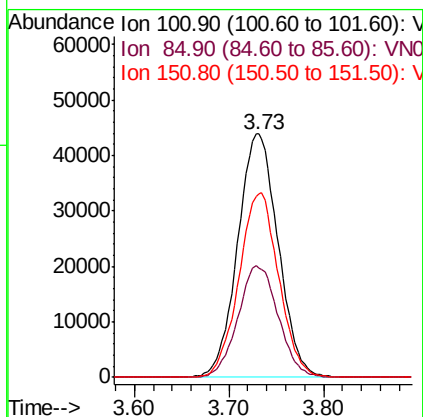
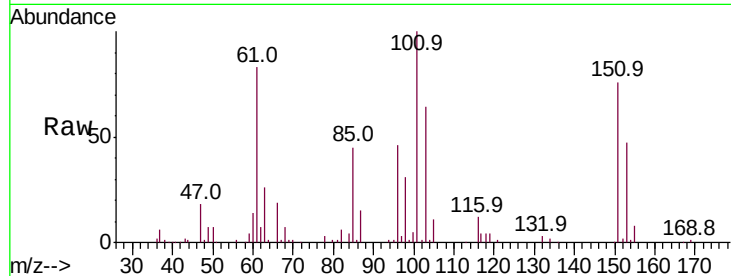




#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 46.674 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

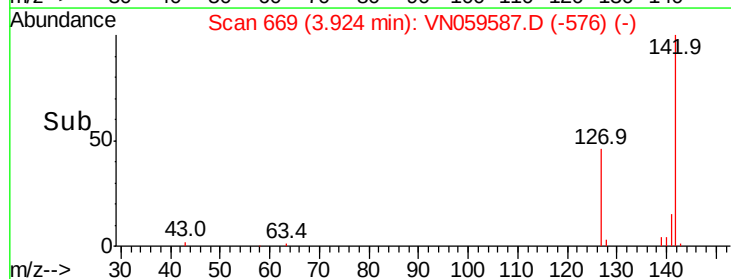
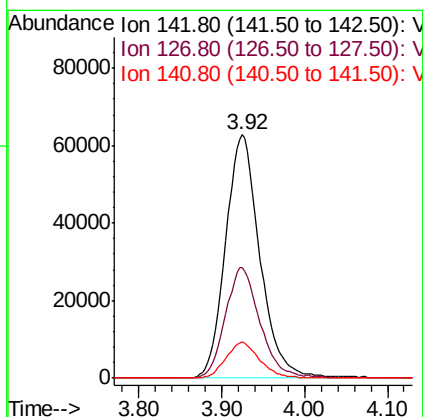
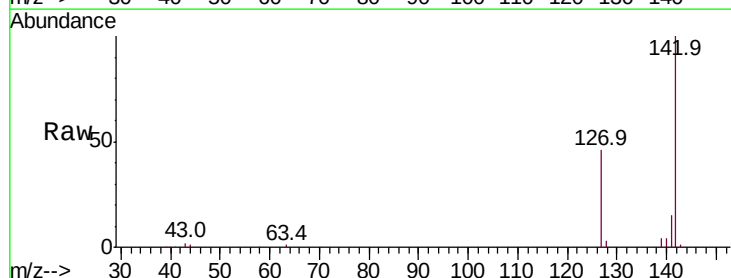
Instrument :
 MSVOA_N
 ClientSampled :

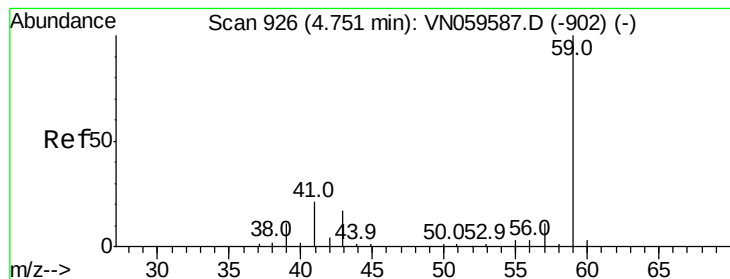
Tot Ion:101 Resp: 130064
 Ion Ratio Lower Upper
 101 100
 85 45.7 36.6 54.8
 151 74.6 59.7 89.5



#10
 Methyl Iodide
 Concen: 47.438 ug/l
 RT: 3.92 min Scan# 669
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion:142 Resp: 180670
 Ion Ratio Lower Upper
 142 100
 127 45.9 36.7 55.1
 141 14.6 11.7 17.5



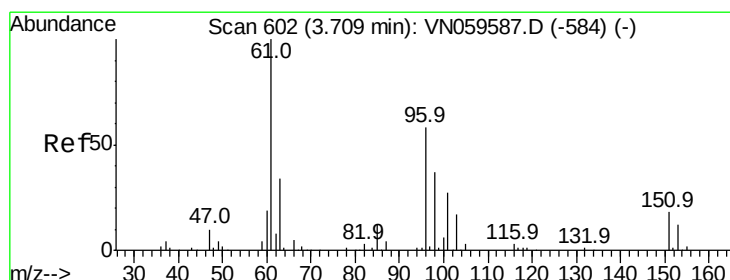
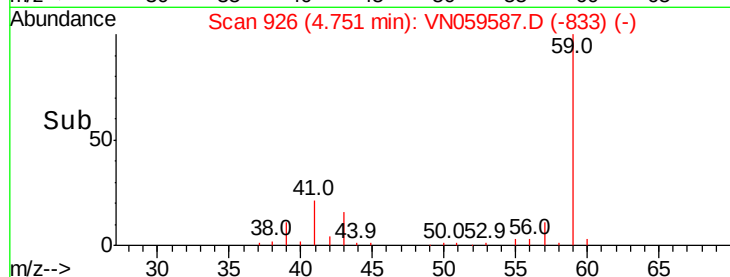
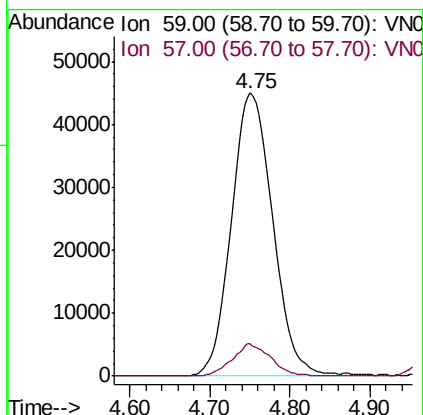
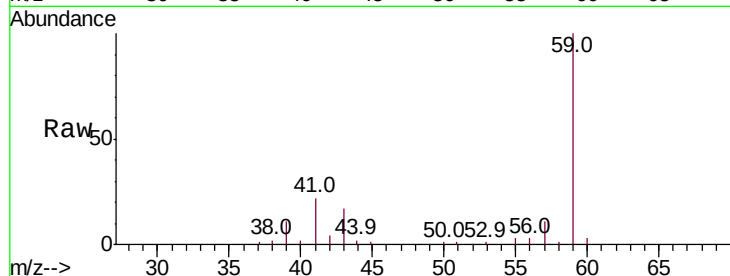


#11

Tert butyl alcohol
Concen: 255.146 ug/l
RT: 4.75 min Scan# 926
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

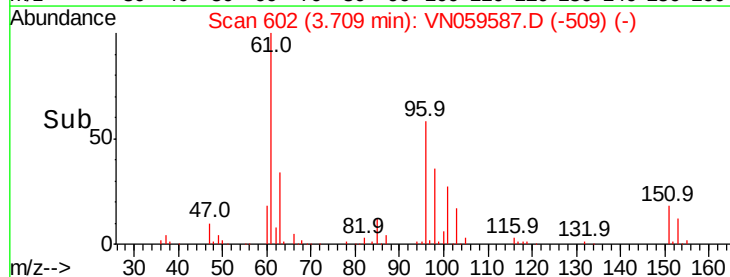
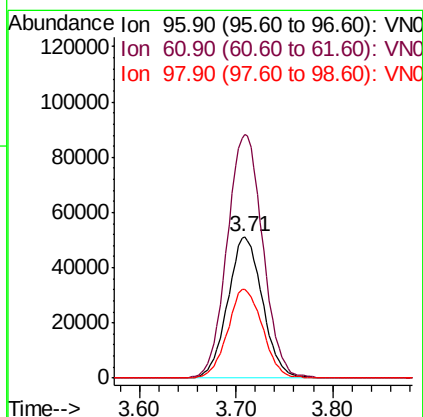
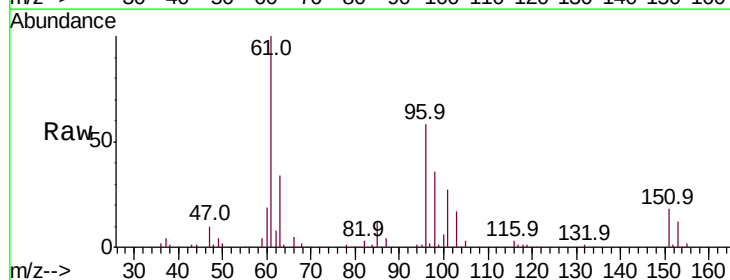
Tot Ion: 59 Resp: 158021
Ion Ratio Lower Upper
59 100
57 10.7 8.6 12.8

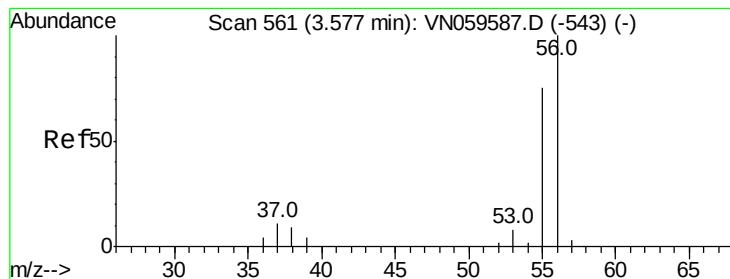


#12

1,1-Dichloroethene
Concen: 46.794 ug/l
RT: 3.71 min Scan# 602
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 96 Resp: 127479
Ion Ratio Lower Upper
96 100
61 171.9 137.5 206.3
98 62.8 50.2 75.4





#13

Acrolein

Concen: 353.712 ug/l

RT: 3.58 min Scan# 561

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

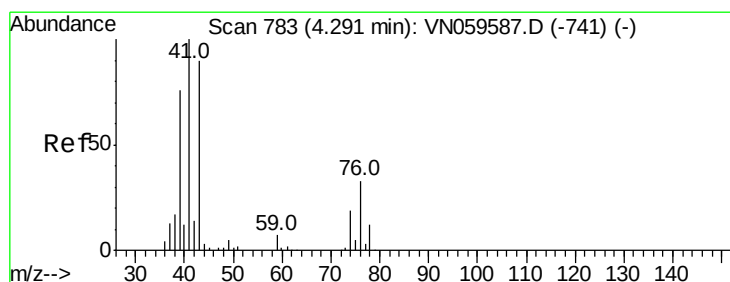
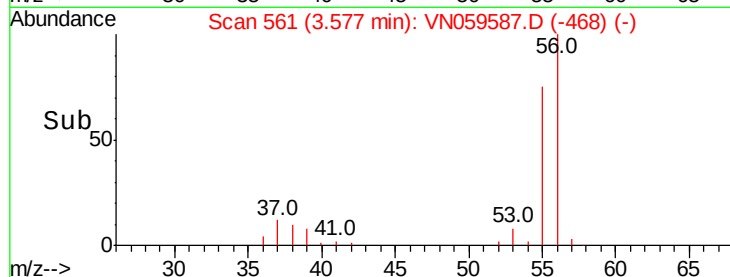
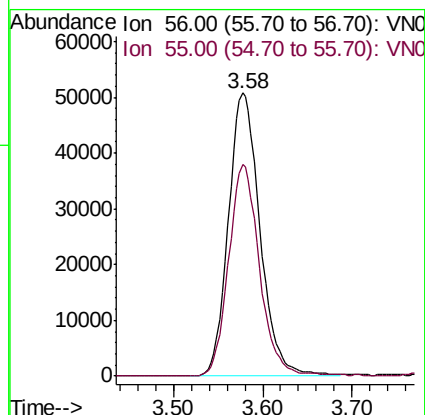
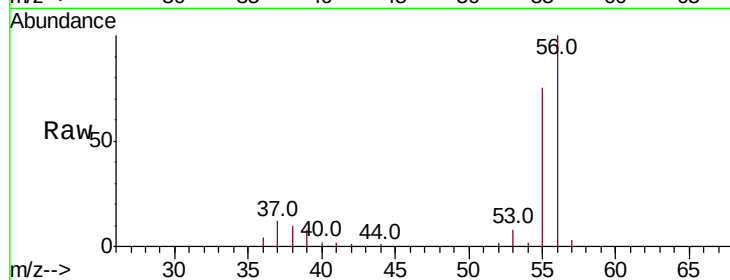
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 124899

Ion Ratio Lower Upper

56 100

55 73.3 58.6 88.0



#14

Allyl chloride

Concen: 48.818 ug/l

RT: 4.29 min Scan# 783

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

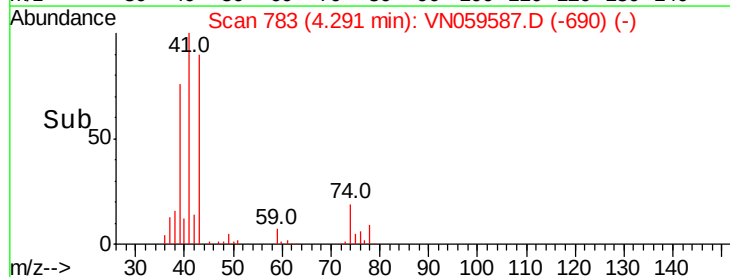
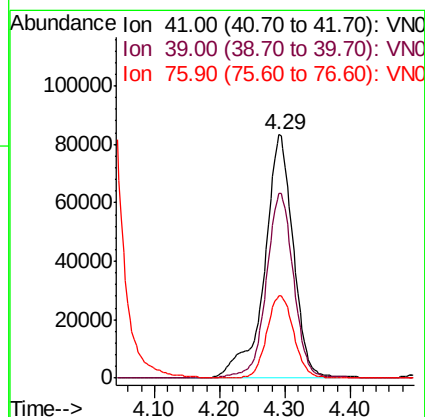
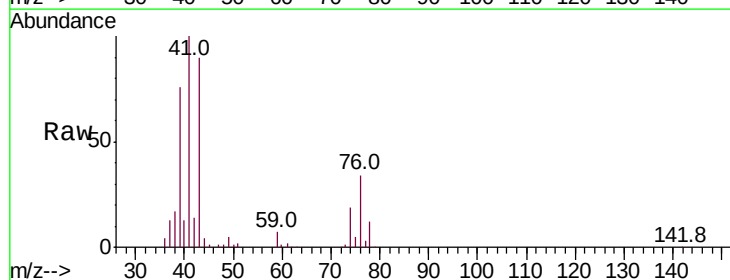
Tgt Ion: 41 Resp: 255115

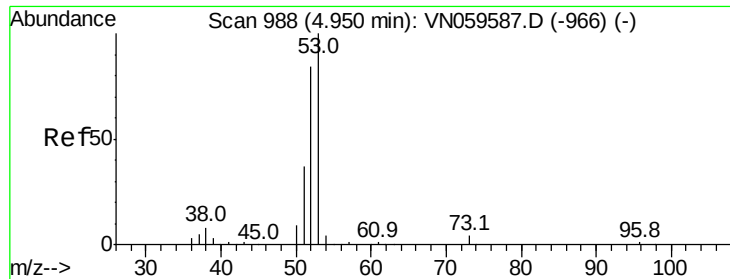
Ion Ratio Lower Upper

41 100

39 72.3 57.8 86.8

76 31.7 25.4 38.0





#15

Acrylonitrile

Concen: 253.550 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

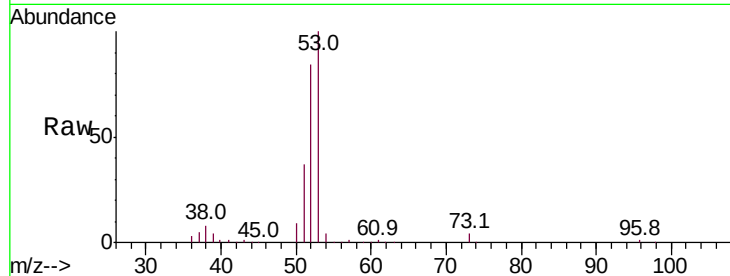
Tot Ion: 53 Resp: 404588

Ion Ratio Lower Upper

53 100

52 82.9 66.3 99.5

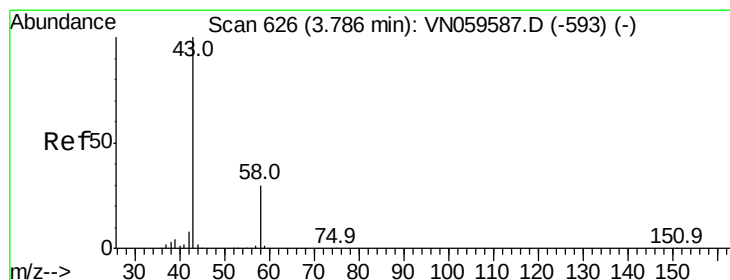
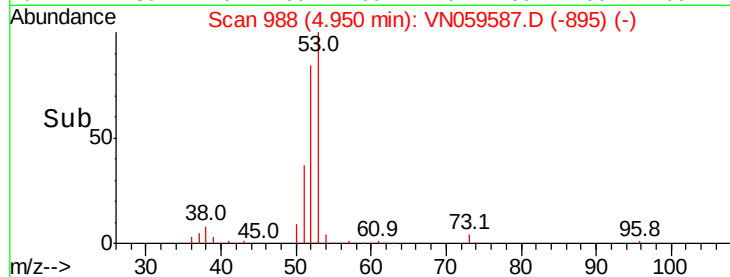
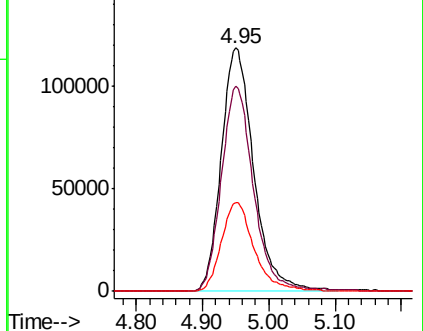
51 37.1 29.7 44.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 294.084 ug/l

RT: 3.79 min Scan# 626

Delta R.T. 0.00 min

Lab File: VN059587.D

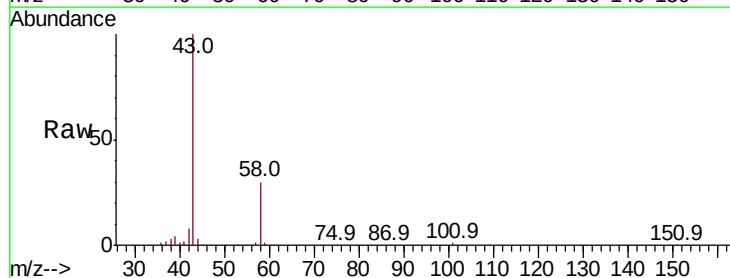
Acq: 13 Dec 2019 16:44

Tgt Ion: 43 Resp: 530032

Ion Ratio Lower Upper

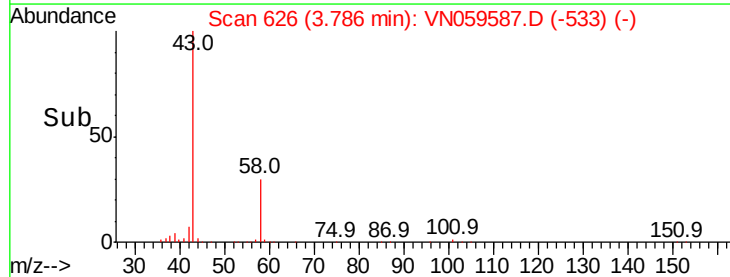
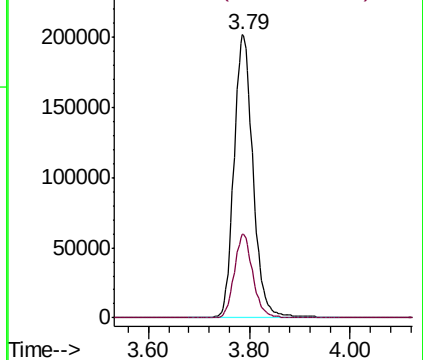
43 100

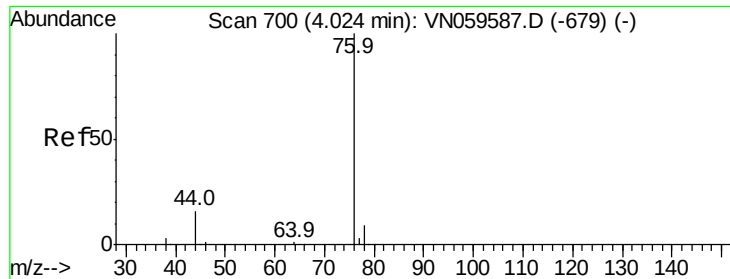
58 29.5 23.6 35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

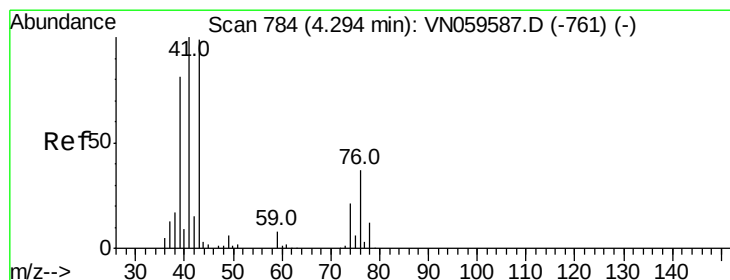
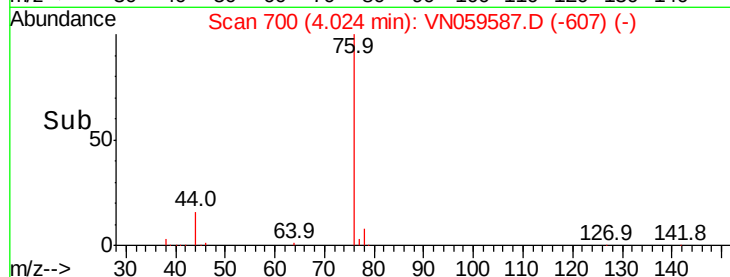
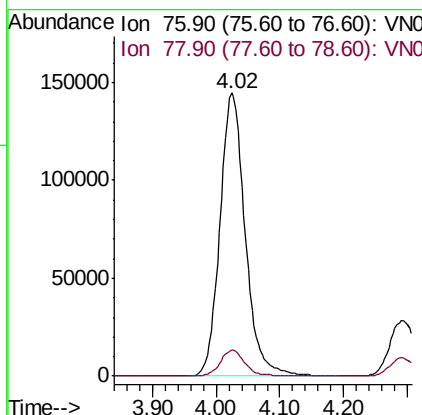
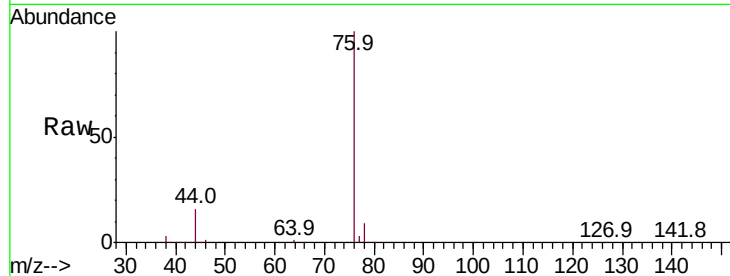




#17
Carbon Disulfide
Concen: 39.889 ug/l
RT: 4.02 min Scan# 700
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

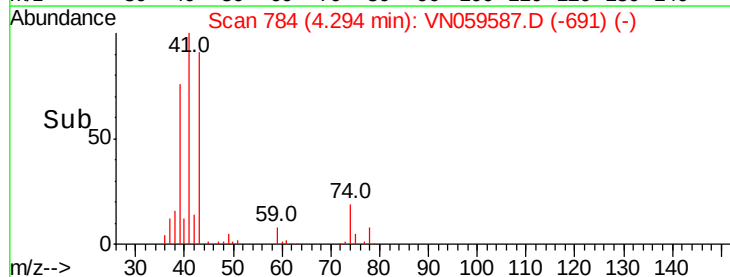
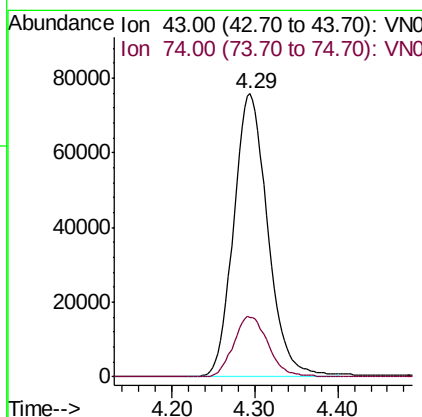
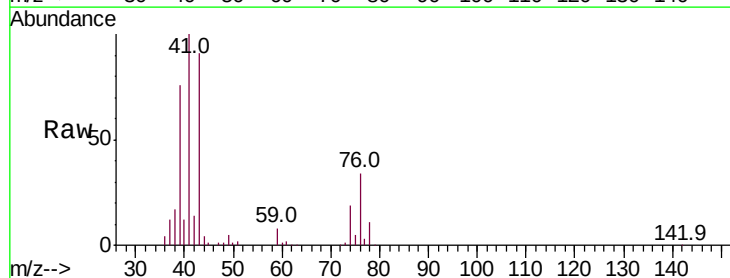
Instrument :
MSVOA_N
ClientSampleId :

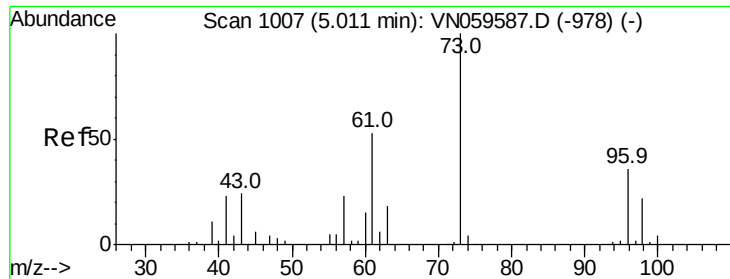
Tot Ion: 76 Resp: 399082
Ion Ratio Lower Upper
76 100
78 9.2 7.4 11.0



#18
Methyl Acetate
Concen: 47.878 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 43 Resp: 214829
Ion Ratio Lower Upper
43 100
74 21.9 17.5 26.3

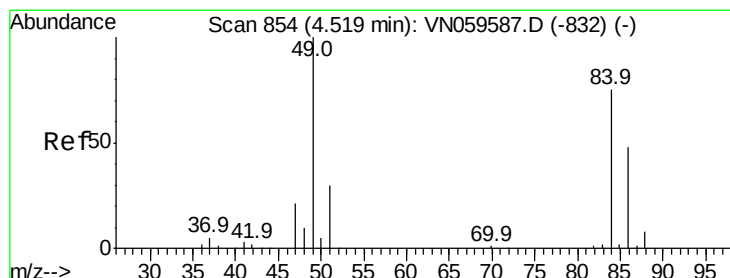
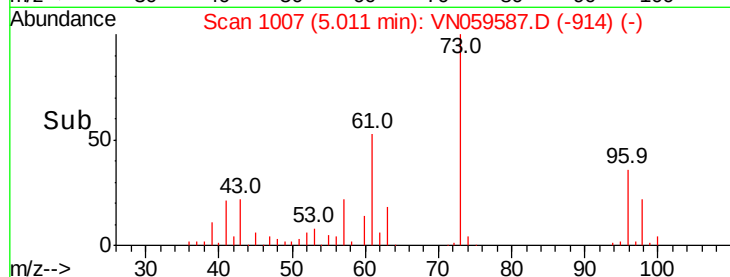
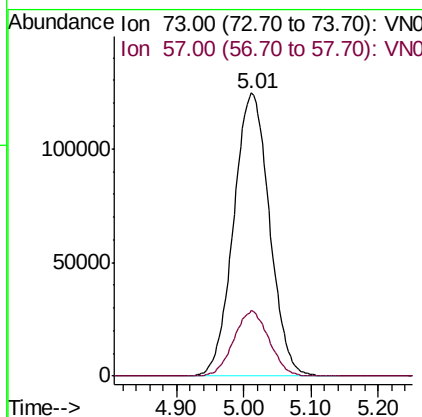
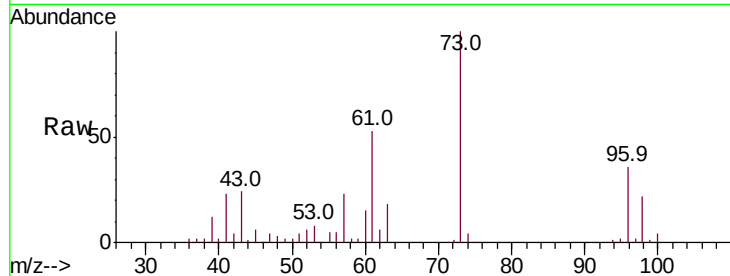




#19
Methyl tert-butyl Ether
Concen: 50.918 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

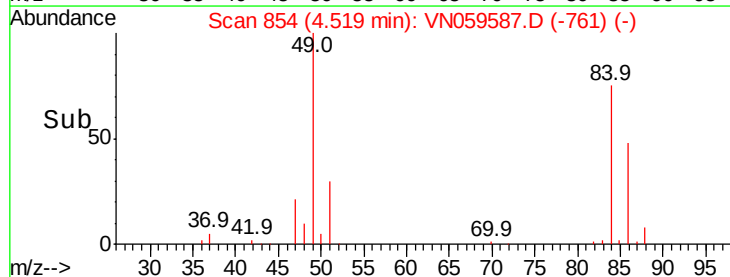
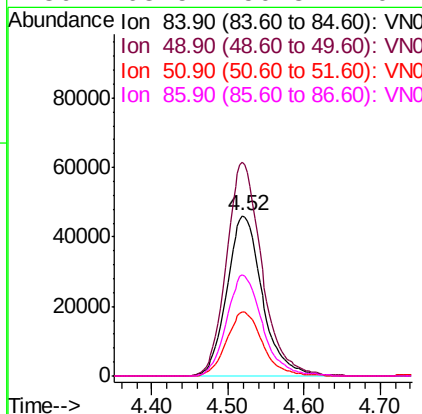
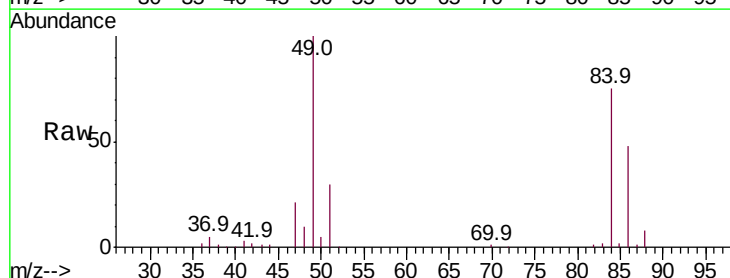
Instrument :
MSVOA_N
ClientSampled :

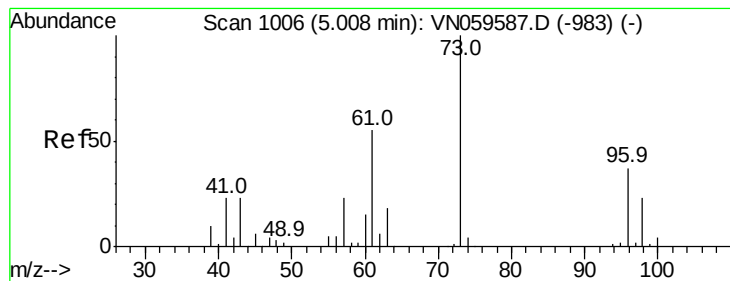
Tot Ion: 73 Resp: 460650
Ion Ratio Lower Upper
73 100
57 23.2 18.6 27.8



#20
Methylene Chloride
Concen: 43.304 ug/l
RT: 4.52 min Scan# 854
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 84 Resp: 149492
Ion Ratio Lower Upper
84 100
49 133.3 106.6 160.0
51 39.9 31.9 47.9
86 63.5 50.8 76.2





#21

trans-1,2-Dichloroethene

Concen: 48.458 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

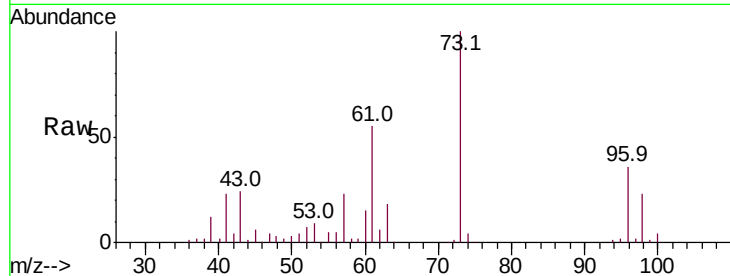
Tot Ion: 96 Resp: 141219

Ion Ratio Lower Upper

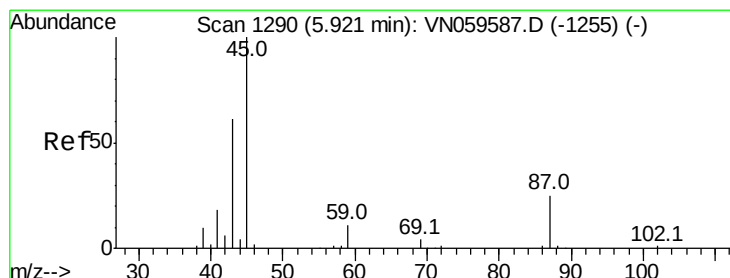
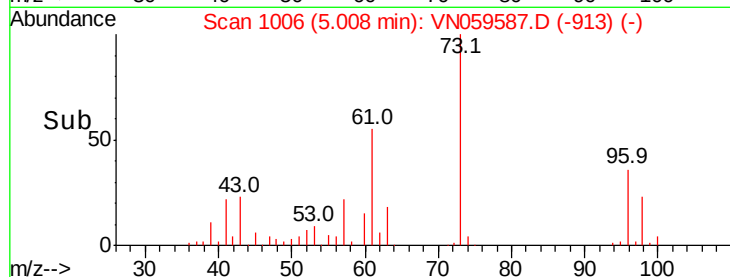
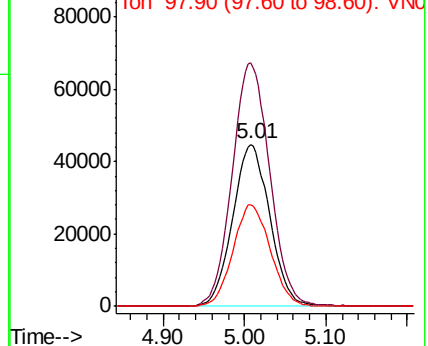
96 100

61 150.5 120.4 180.6

98 63.2 50.6 75.8



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



#22

Diisopropyl ether

Concen: 50.235 ug/l

RT: 5.92 min Scan# 1290

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 45 Resp: 499545

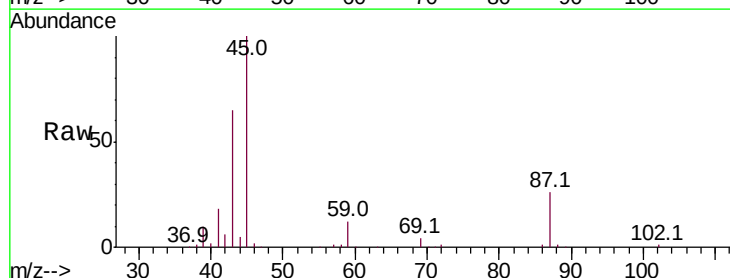
Ion Ratio Lower Upper

45 100

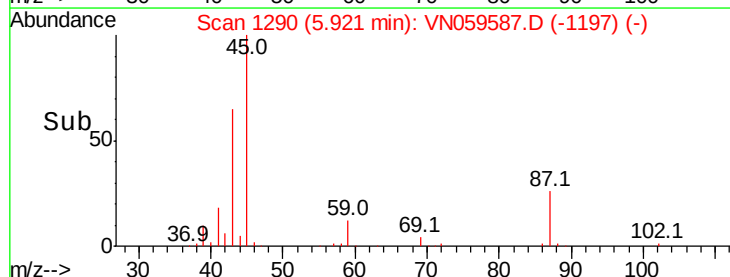
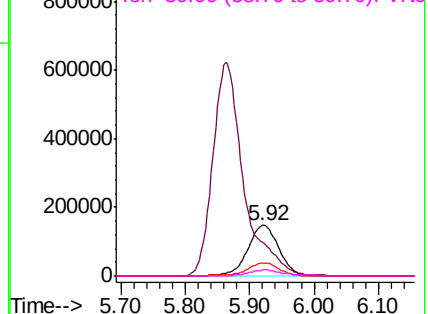
43 63.5 50.8 76.2

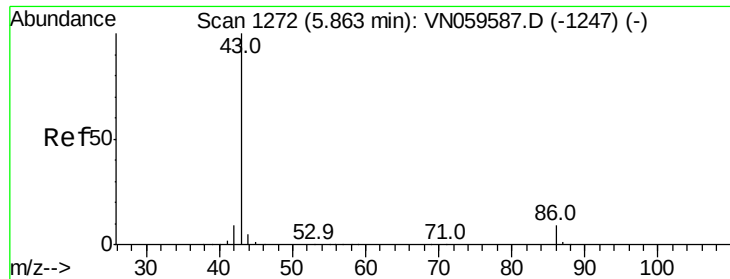
87 26.3 21.0 31.6

59 11.4 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

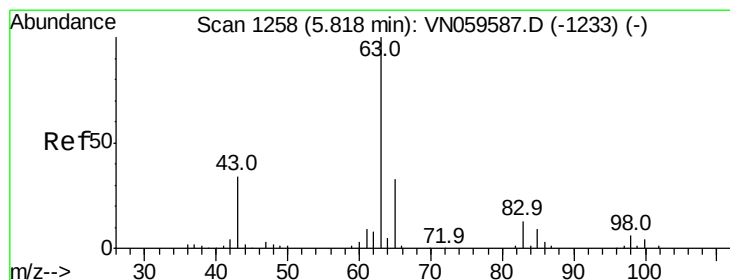
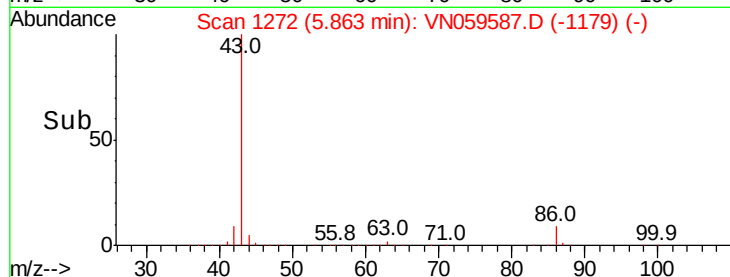
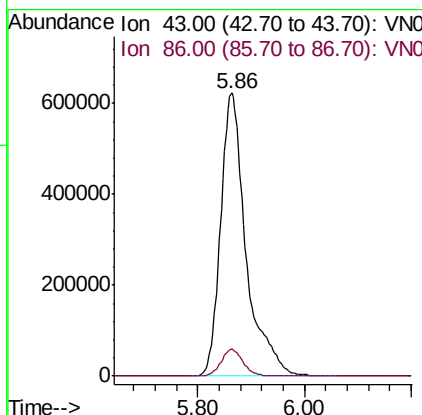
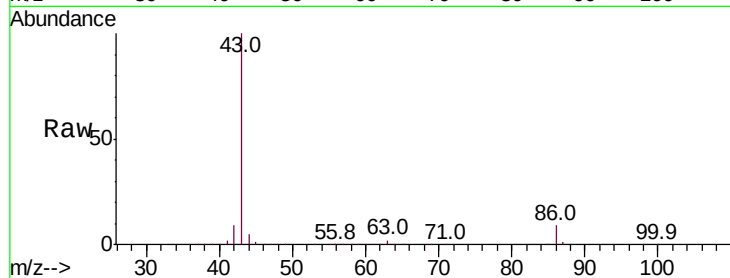




#23
 Vinyl Acetate
 Concen: 251.526 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

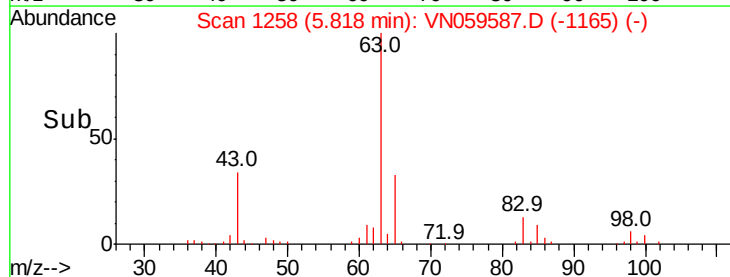
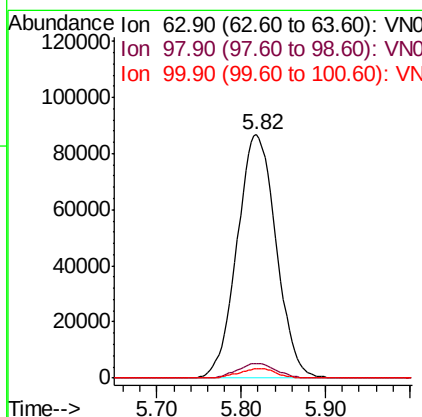
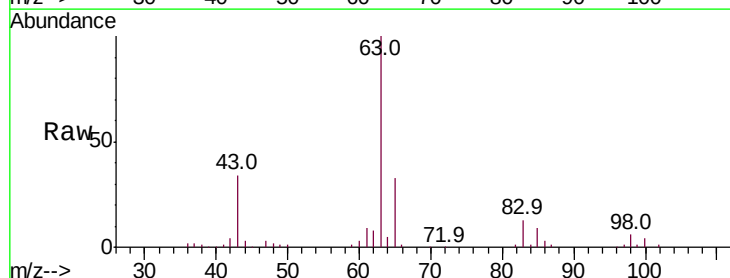
Instrument :
 MSVOA_N
 ClientSampleId :

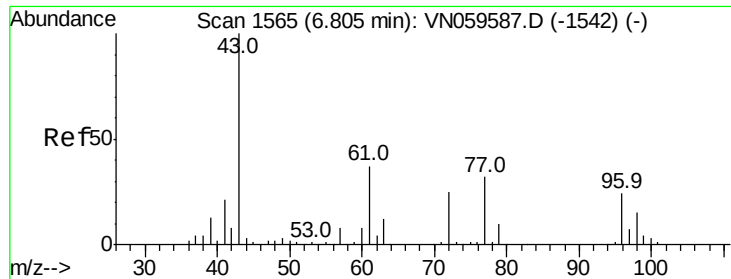
Tot Ion: 43 Resp: 2071633
 Ion Ratio Lower Upper
 43 100
 86 9.5 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 49.373 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion: 63 Resp: 279071
 Ion Ratio Lower Upper
 63 100
 98 5.8 2.9 8.7
 100 4.0 2.0 6.0





#25

2-Butanone

Concen: 275.715 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

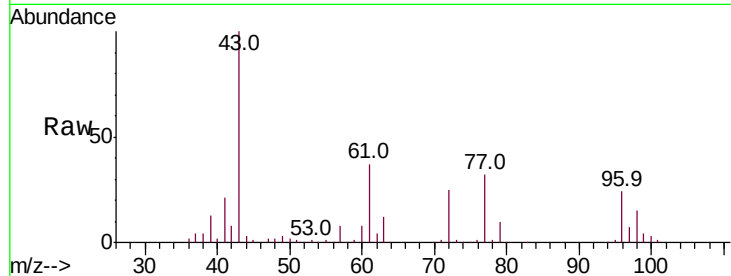
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 644573

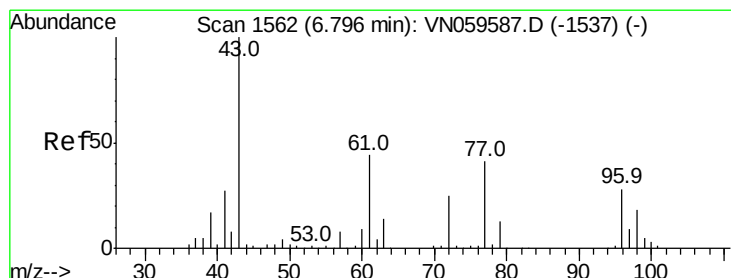
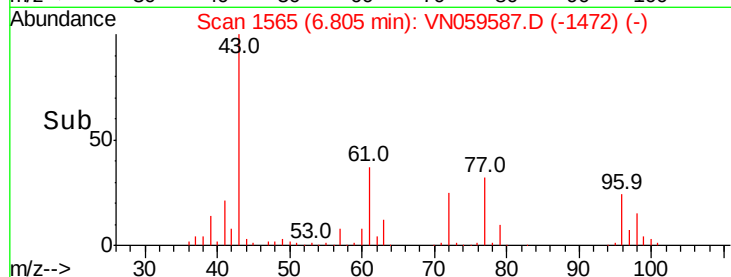
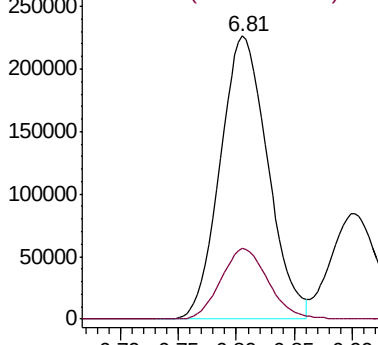
Ion Ratio Lower Upper

43 100

72 24.9 19.9 29.9



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 72.00 (71.70 to 72.70): VN0



#26

2,2-Dichloropropane

Concen: 49.732 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059587.D

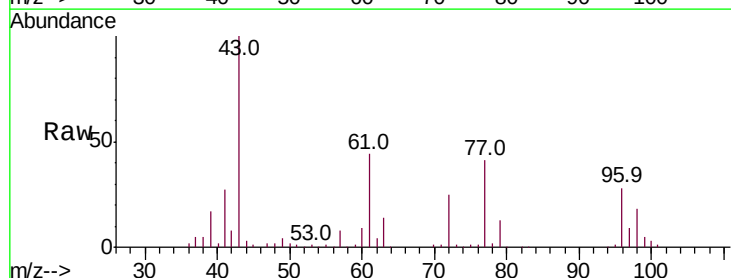
Acq: 13 Dec 2019 16:44

Tgt Ion: 77 Resp: 254136

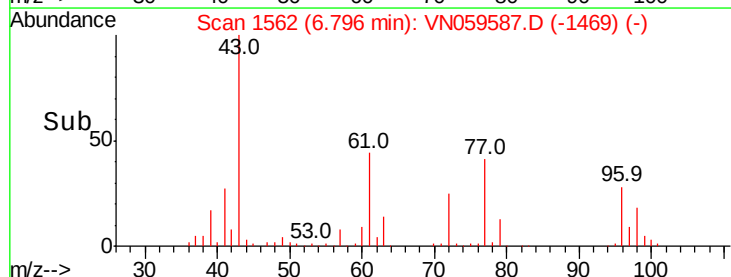
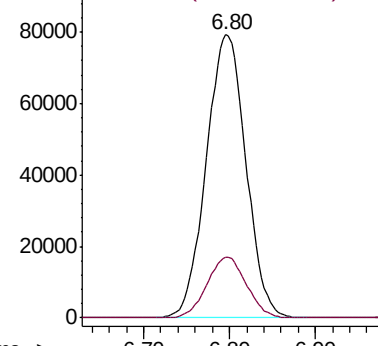
Ion Ratio Lower Upper

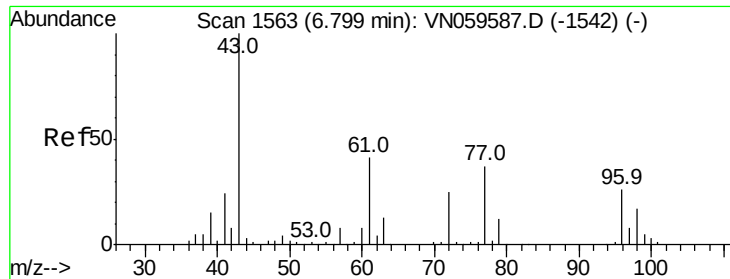
77 100

97 21.3 10.7 31.9



Abundance Ion 76.90 (76.60 to 77.60): VN0
Ion 96.90 (96.60 to 97.60): VN0





#27

cis-1,2-Dichloroethene

Concen: 49.503 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

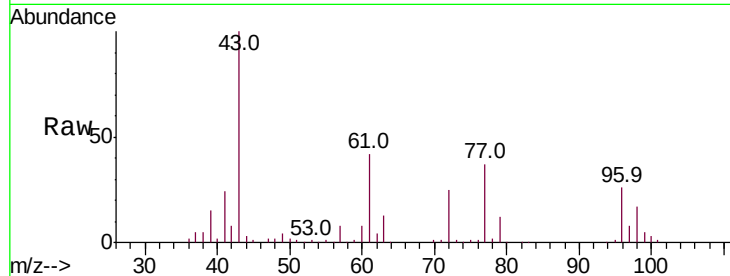
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 162491

Ion	Ratio	Lower	Upper
96	100		
61	158.8	0.0	317.6
98	63.5	0.0	127.0

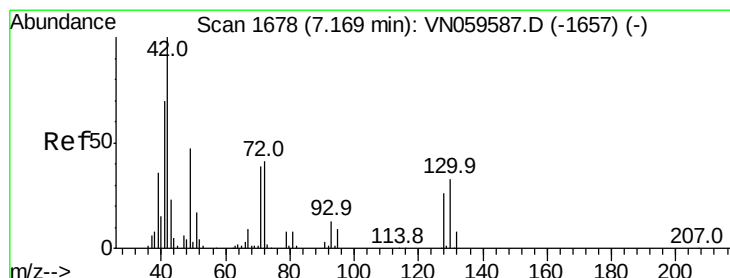
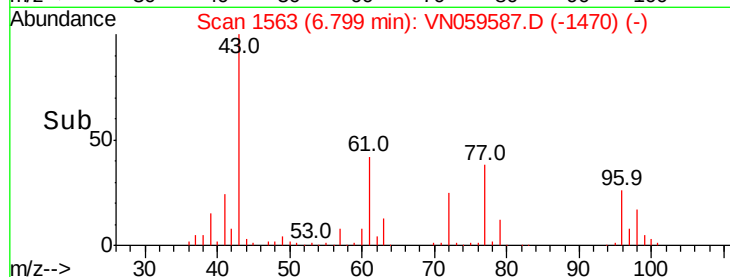
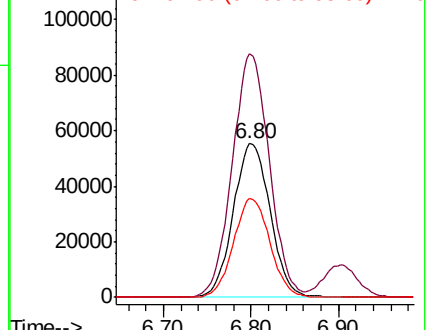


Abundance

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: 63.841 ug/l

RT: 7.17 min Scan# 1678

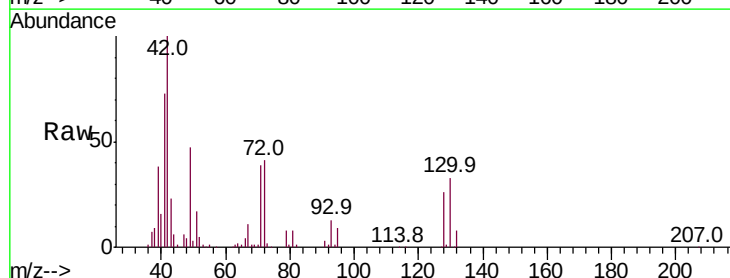
Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 49 Resp: 117511

Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	68.4	54.7	82.1

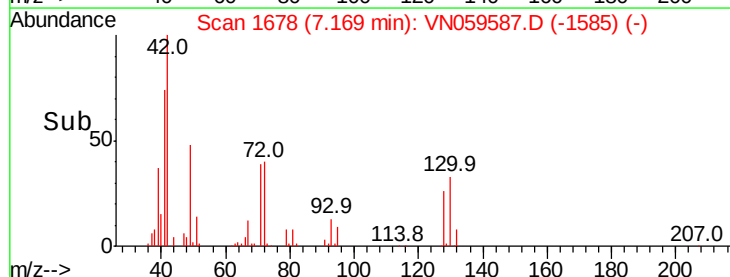
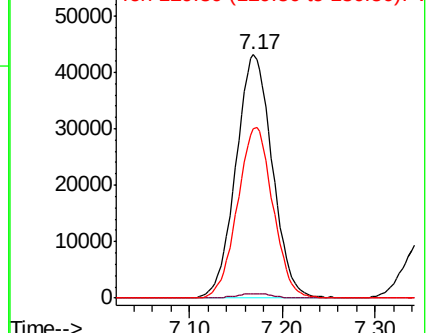


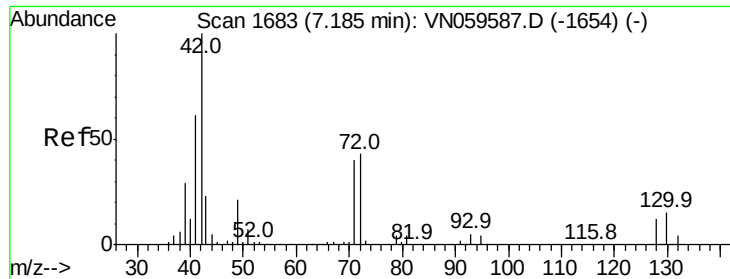
Abundance

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

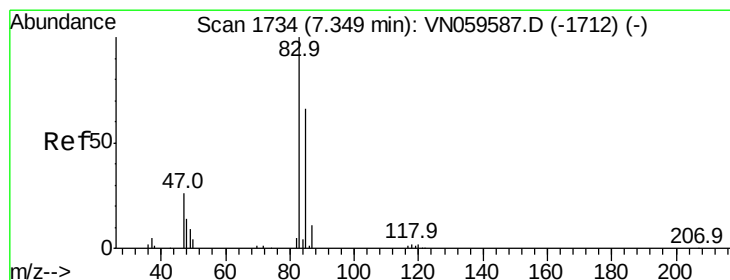
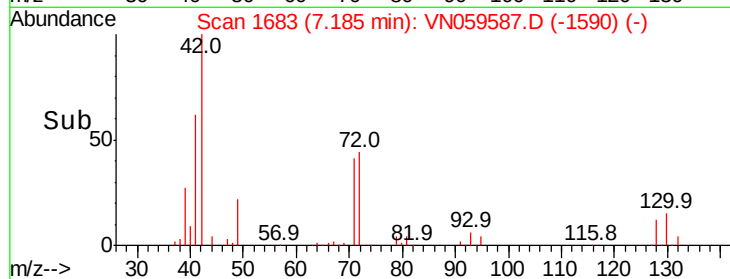
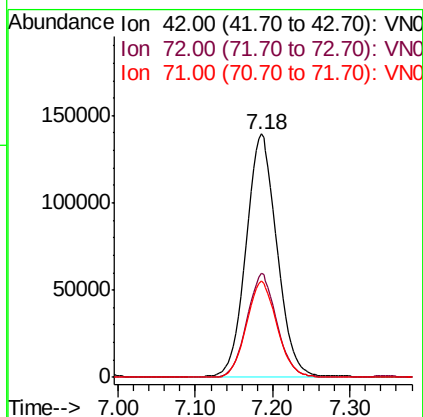
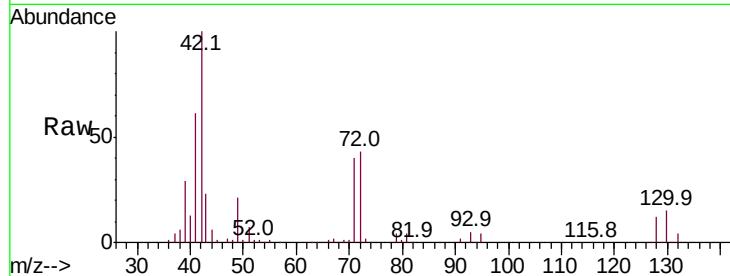




#29
Tetrahydrofuran
Concen: 243.142 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

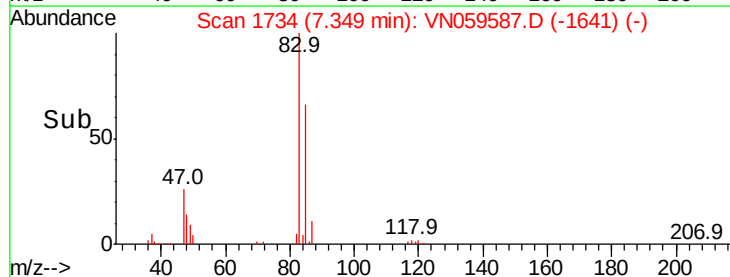
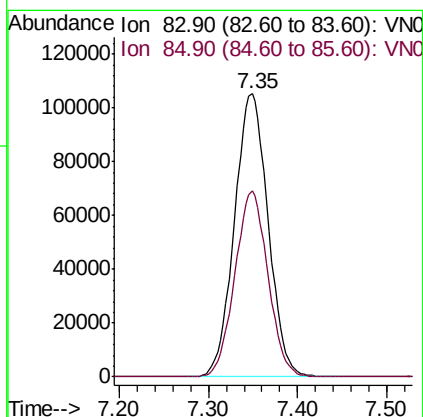
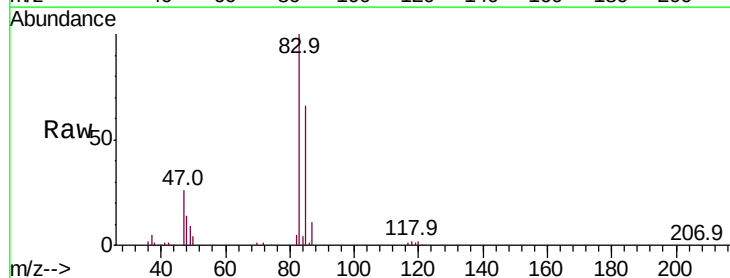
Instrument :
MSVOA_N
ClientSampled :

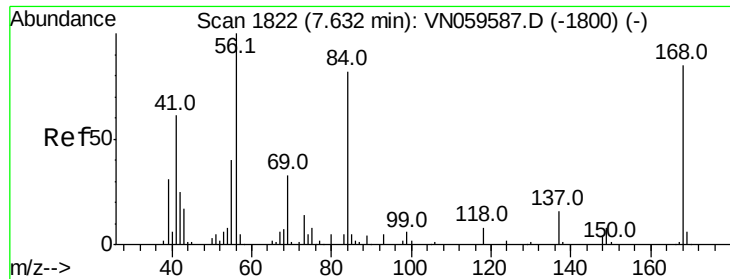
Tot Ion	Ratio	Lower	Upper
42	100		
72	41.4	33.1	49.7
71	39.2	31.4	47.0



#30
Chloroform
Concen: 49.344 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
83	100		
85	65.5	52.4	78.6

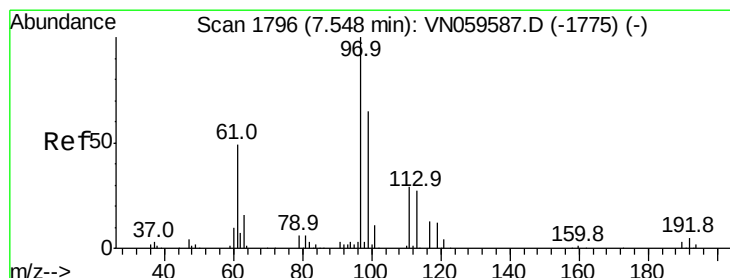
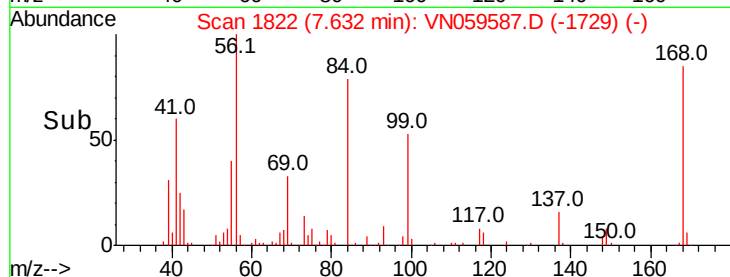
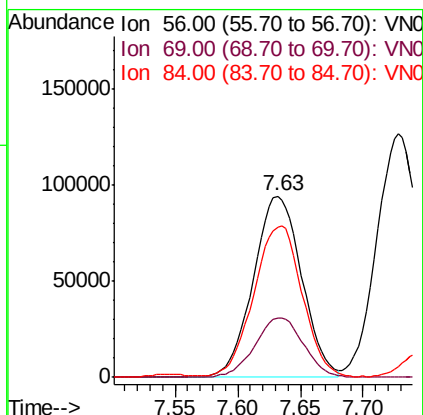
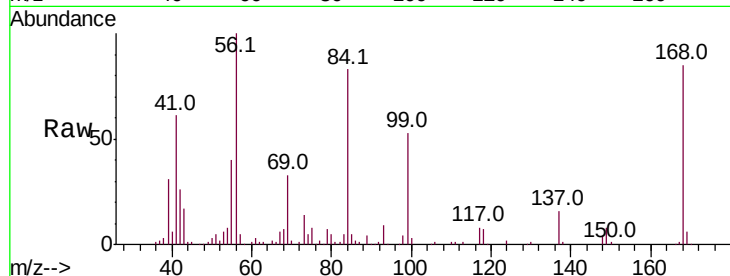




#31
Cyclohexane
Concen: 45.941 ug/l
RT: 7.63 min Scan# 1822
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

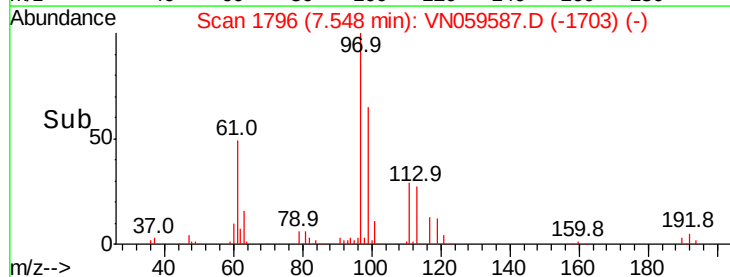
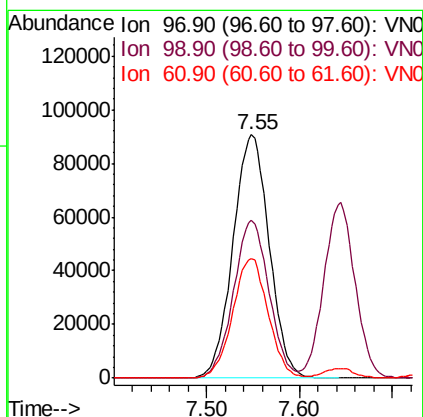
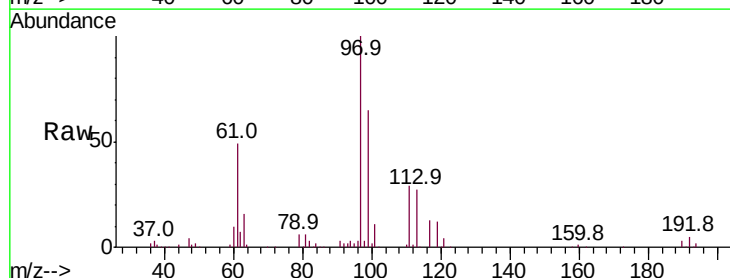
Instrument :
MSVOA_N
ClientSampled :

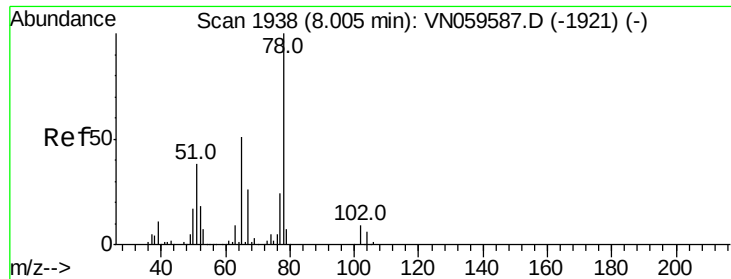
Tot Ion: 56 Resp: 252429
Ion Ratio Lower Upper
56 100
69 33.1 26.5 39.7
84 81.6 65.3 97.9



#32
1,1,1-Trichloroethane
Concen: 49.627 ug/l
RT: 7.55 min Scan# 1796
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 97 Resp: 245523
Ion Ratio Lower Upper
97 100
99 63.7 51.0 76.4
61 48.1 38.5 57.7





#33

1,2-Dichloroethane-d4

Concen: 49.874 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

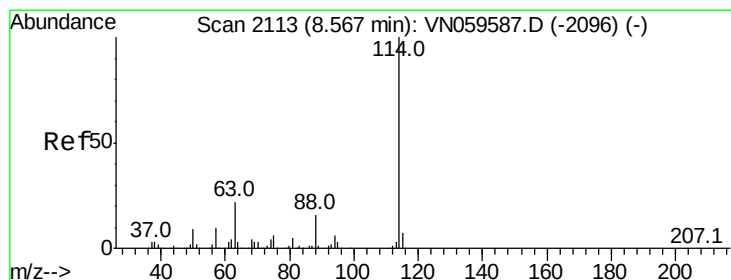
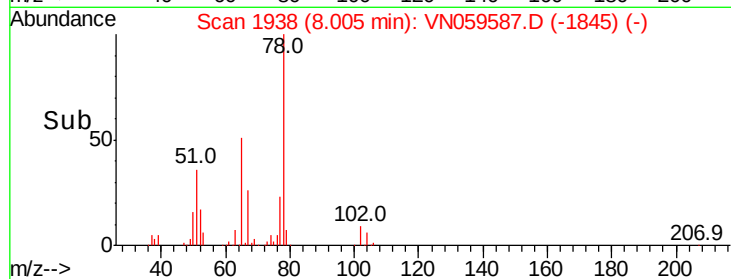
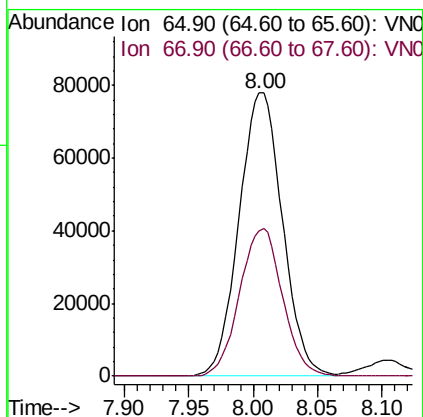
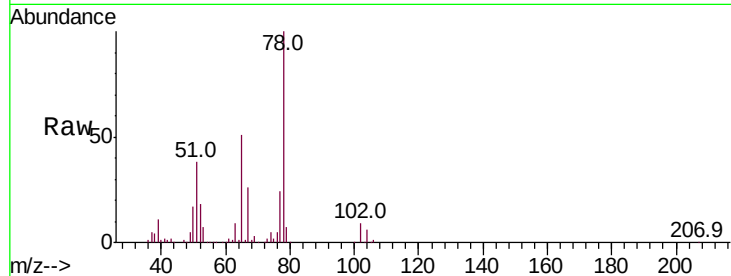
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 182878

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

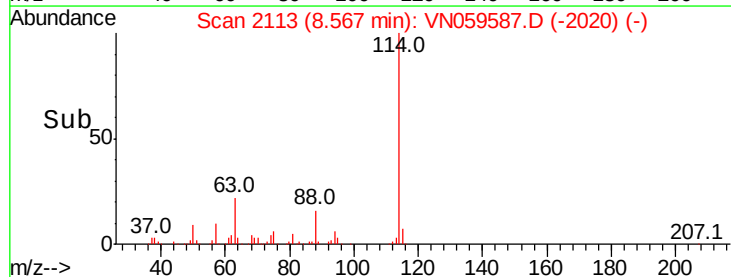
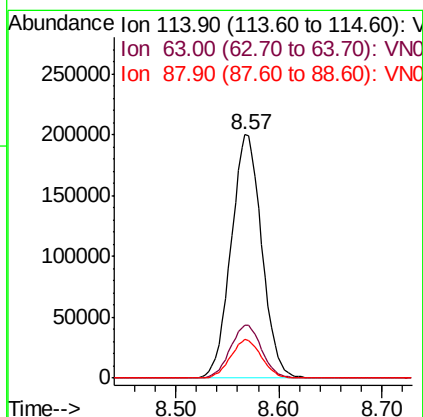
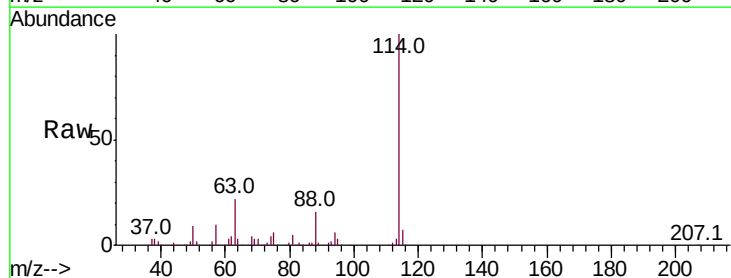
Delta R.T. 0.00 min

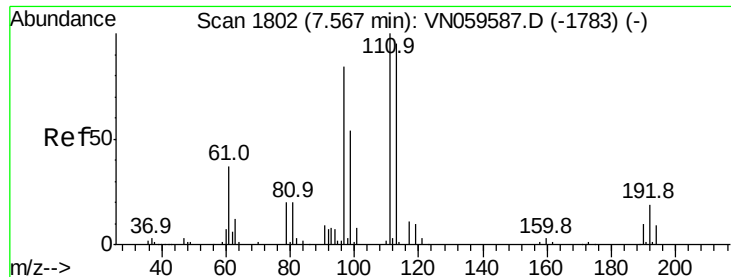
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 114 Resp: 413862

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	43.6
88	15.7	0.0	31.4





#35

Dibromofluoromethane

Concen: 50.279 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

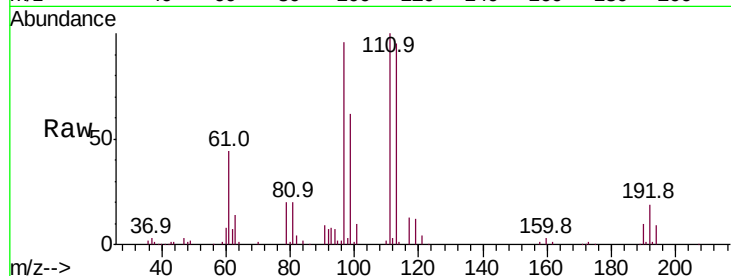
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

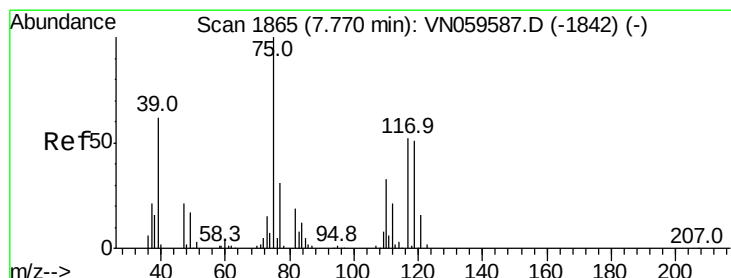
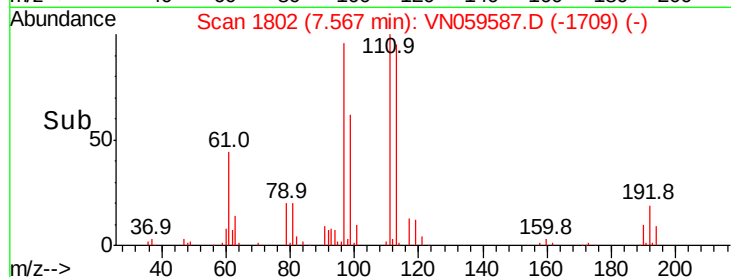
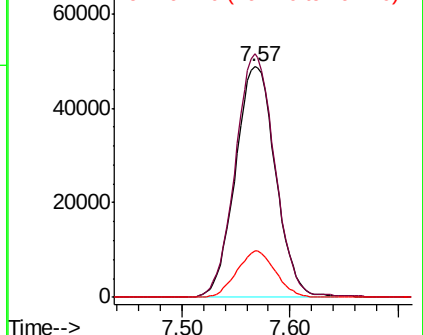
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:113 Resp: 126344

Ion	Ratio	Lower	Upper
113	100		
111	104.4	83.5	125.3
192	19.3	15.4	23.2



Abundance Ion 112.80 (112.50 to 113.50): V
Ion 110.80 (110.50 to 111.50): V
Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 48.592 ug/l

RT: 7.77 min Scan# 1865

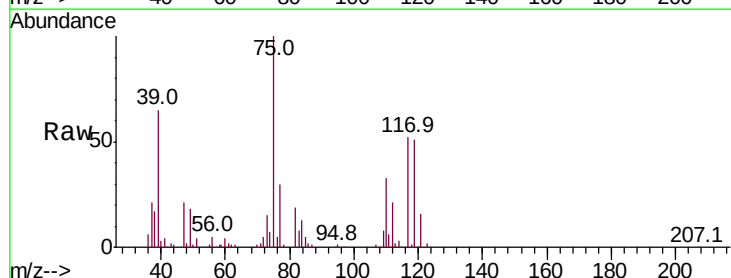
Delta R.T. 0.00 min

Lab File: VN059587.D

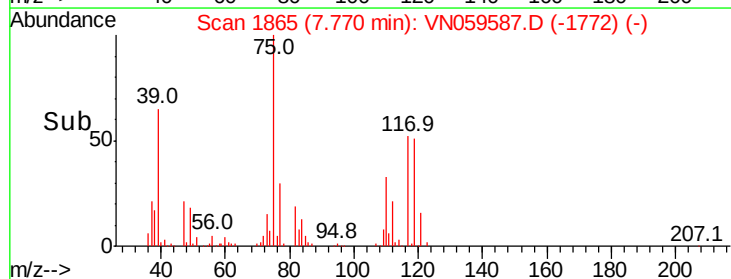
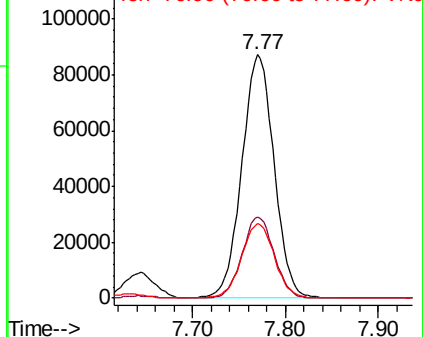
Acq: 13 Dec 2019 16:44

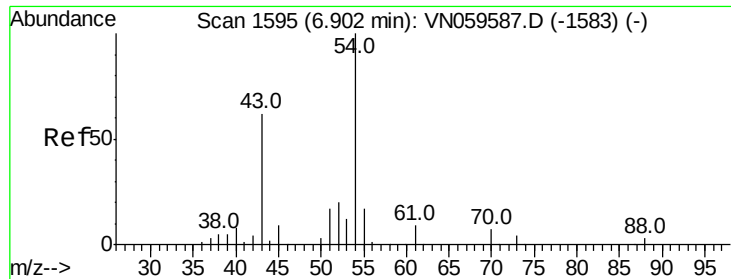
Tgt Ion: 75 Resp: 209524

Ion	Ratio	Lower	Upper
75	100		
110	33.1	16.6	49.7
77	31.4	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): VNO





#37

Ethyl Acetate

Concen: 52.912 ug/l

RT: 6.90 min Scan# 1595

Delta R.T. 0.00 min

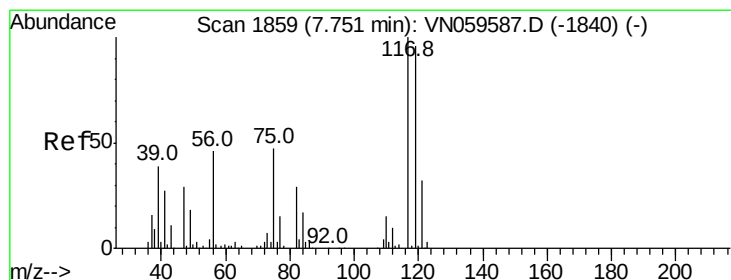
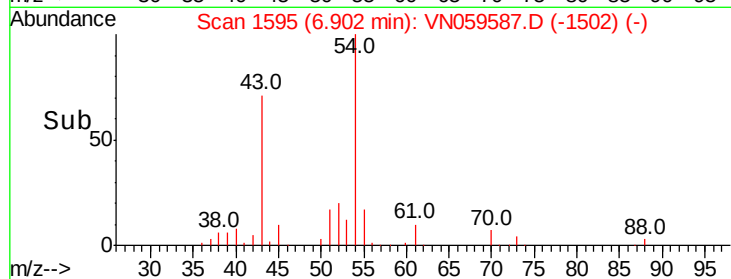
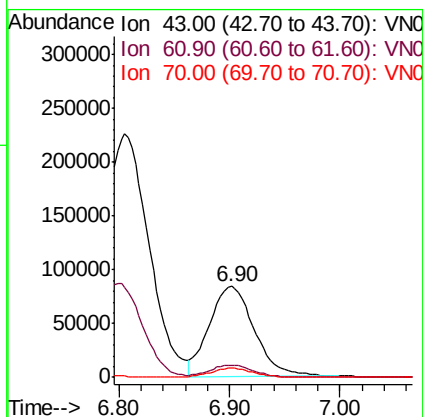
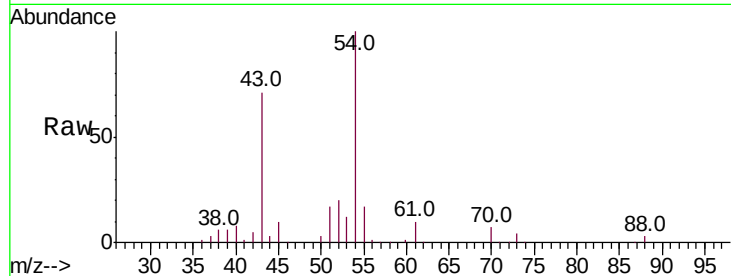
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 237759

Ion	Ratio	Lower	Upper
43	100		
61	13.6	10.9	16.3
70	9.6	7.7	11.5



#38

Carbon Tetrachloride

Concen: 50.195 ug/l

RT: 7.75 min Scan# 1859

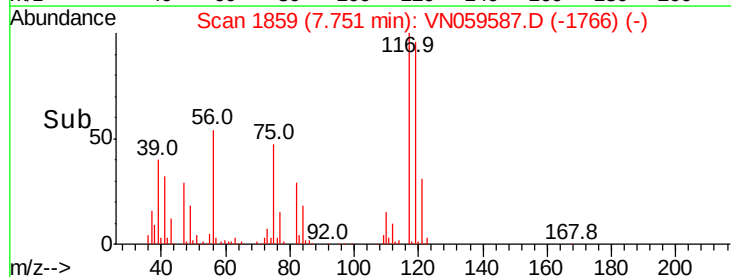
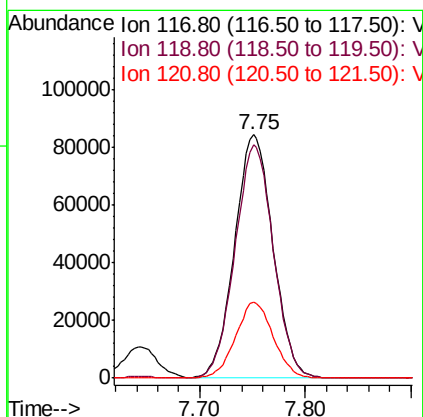
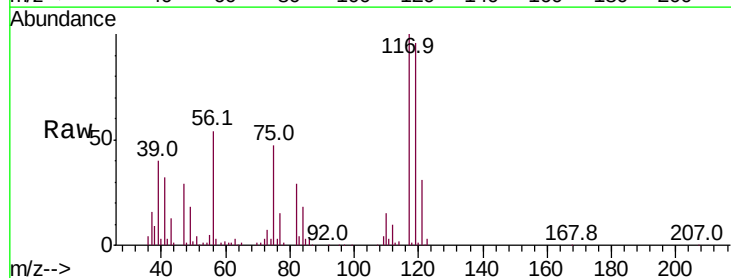
Delta R.T. 0.00 min

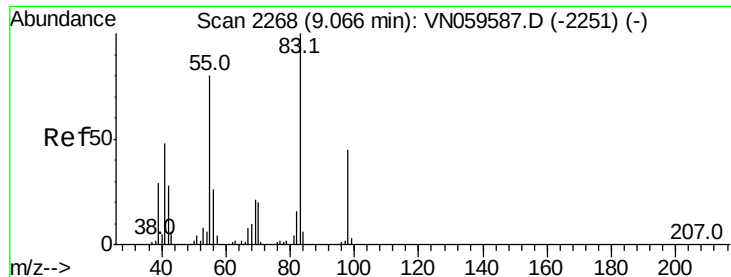
Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 117 Resp: 213907

Ion	Ratio	Lower	Upper
117	100		
119	95.6	76.5	114.7
121	31.4	25.1	37.7

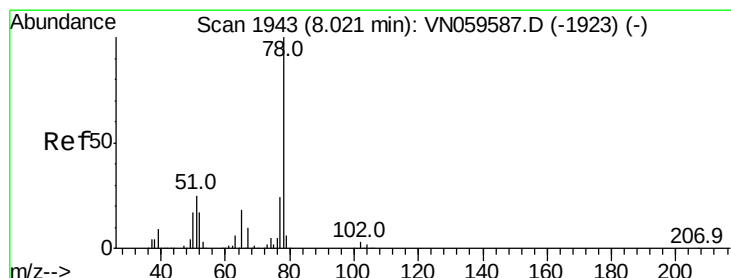
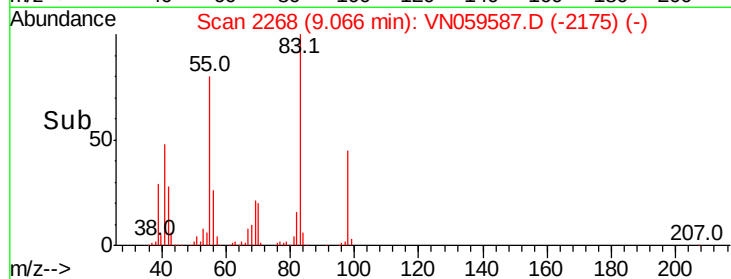
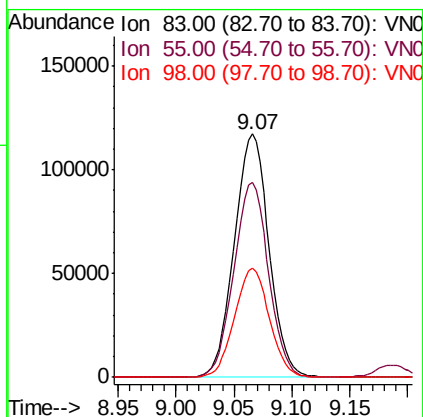
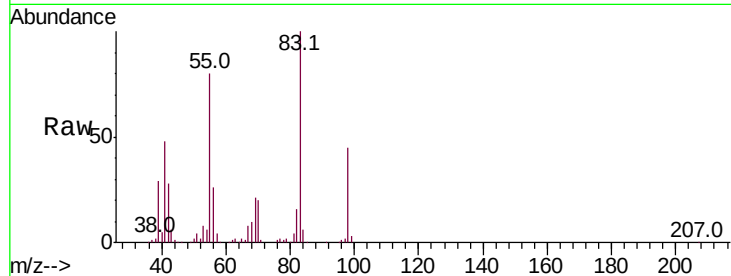




#39
Methylvlcyclohexane
Concen: 50.351 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

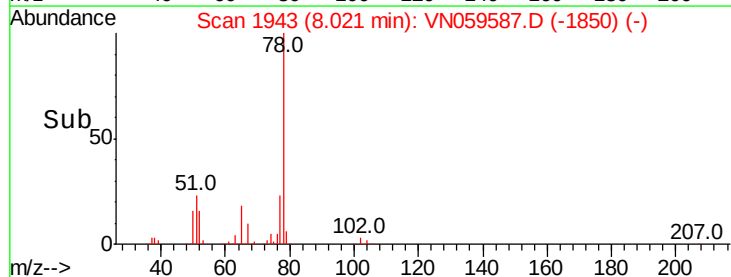
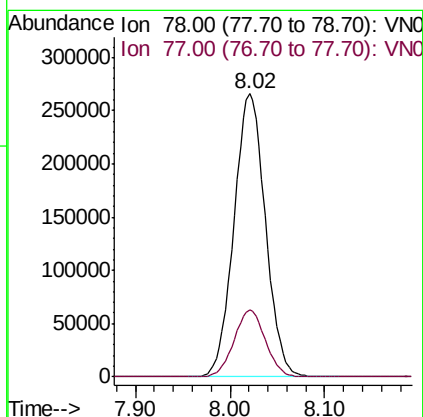
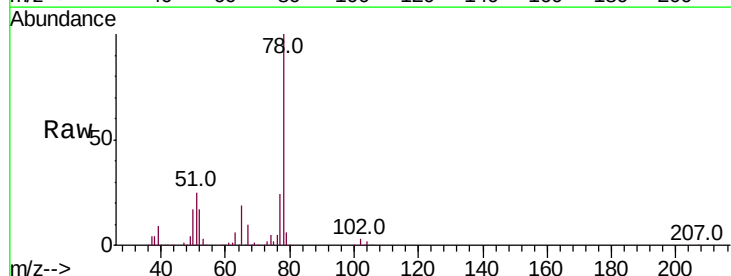
Instrument :
MSVOA_N
ClientSampleId :

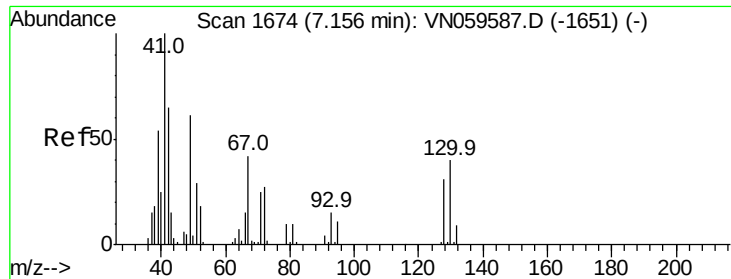
Tot Ion	Ratio	Lower	Upper
83	100		
55	80.2	64.2	96.2
98	44.9	35.9	53.9



#40
Benzene
Concen: 49.796 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.9	28.3

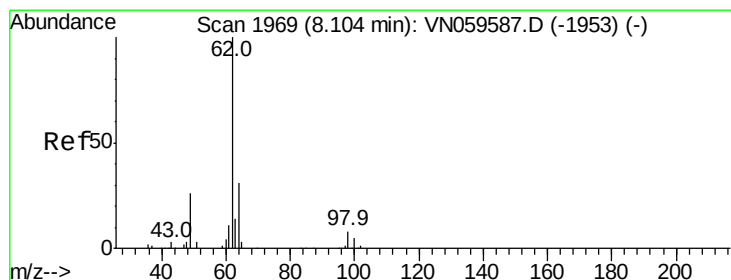
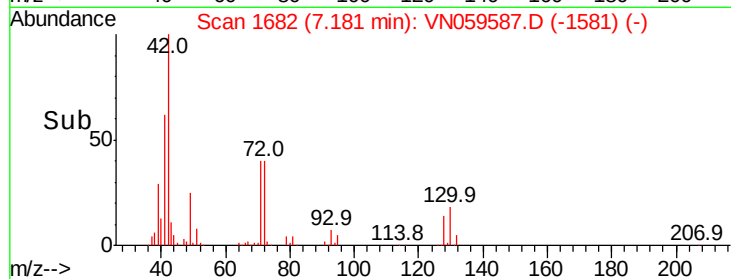
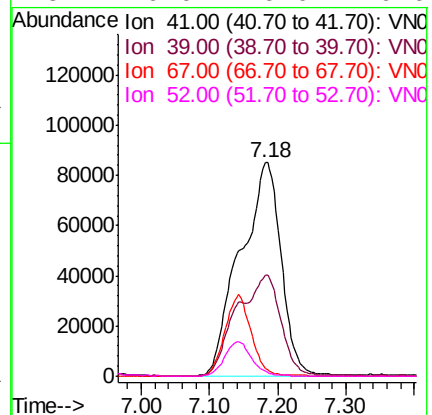
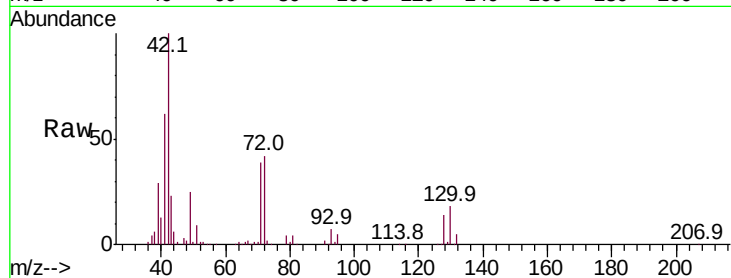




#41
Methacrylonitrile
Concen: 168.315 ug/l
RT: 7.18 min Scan# 1682
Delta R.T. 0.03 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

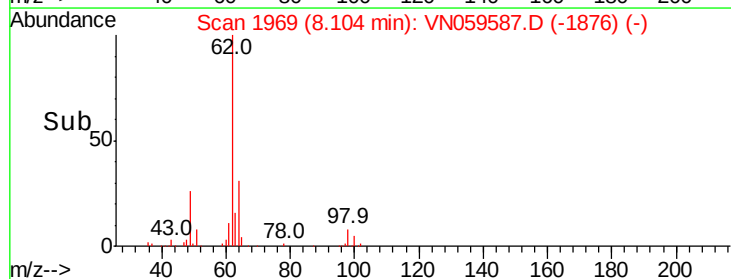
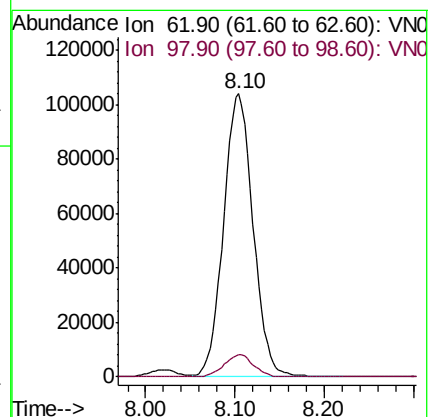
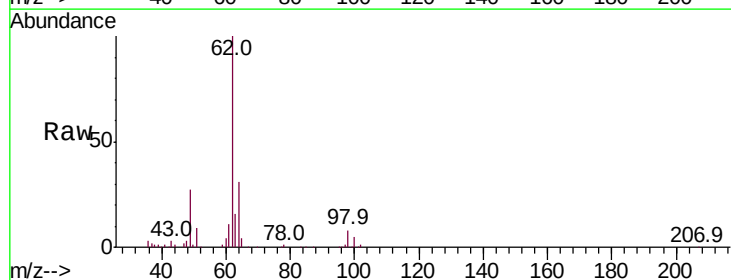
Instrument :
MSVOA_N
ClientSampleId :

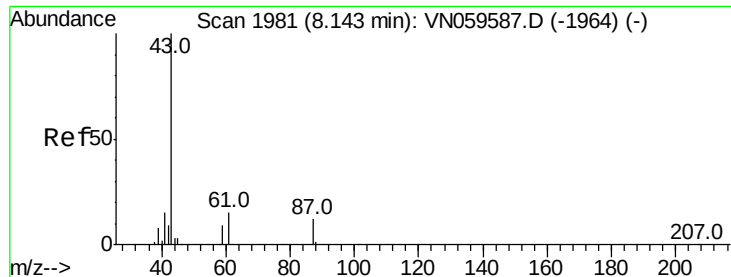
Tot Ion: 41 Resp: 354224
Ion Ratio Lower Upper
41 100
39 0.0 0.0 0.0
67 0.0 0.0 0.0
52 0.0 0.0 0.0



#42
1,2-Dichloroethane
Concen: 51.542 ug/l
RT: 8.10 min Scan# 1969
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 62 Resp: 237514
Ion Ratio Lower Upper
62 100
98 7.9 0.0 15.8





#43

Isopropyl Acetate

Concen: 51.526 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

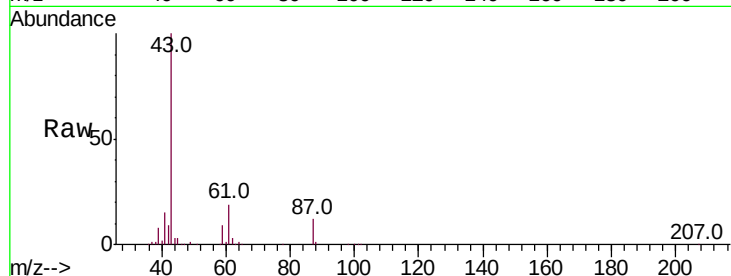
Tot Ion: 43 Resp: 384946

Ion Ratio Lower Upper

43 100

61 25.2 20.2 30.2

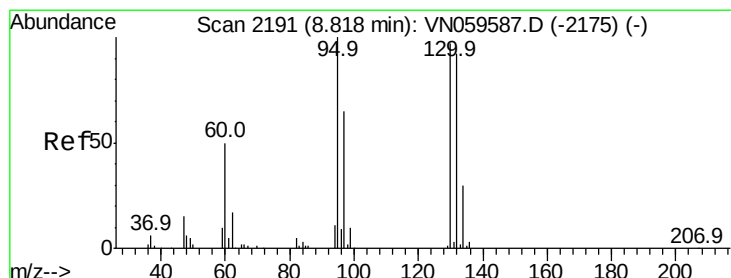
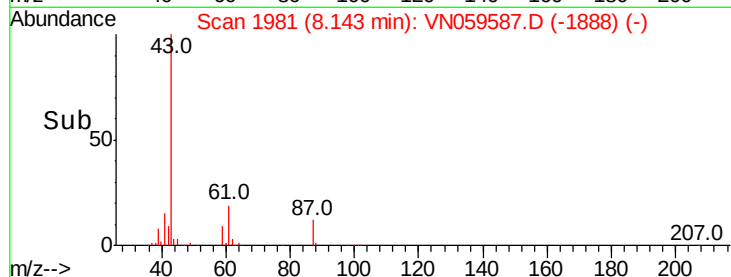
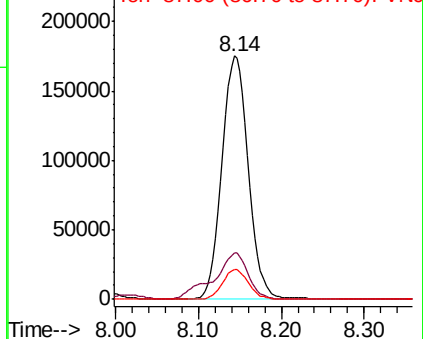
87 11.9 9.5 14.3



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: 50.233 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. 0.00 min

Lab File: VN059587.D

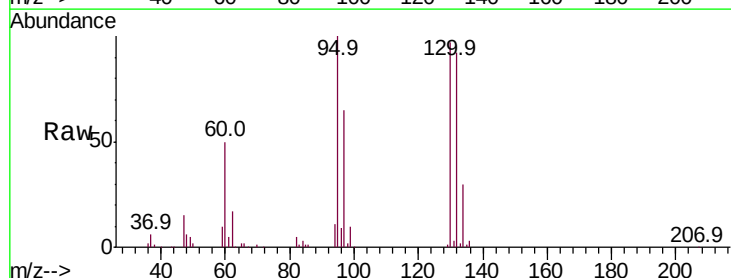
Acq: 13 Dec 2019 16:44

Tgt Ion:130 Resp: 157130

Ion Ratio Lower Upper

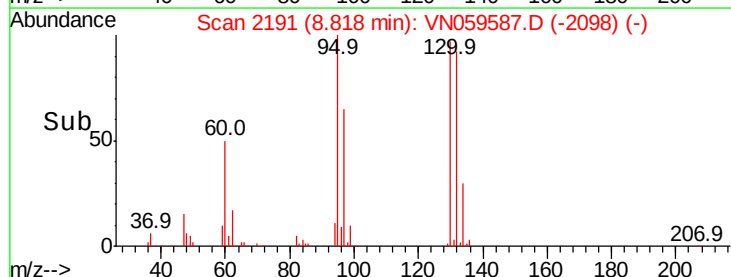
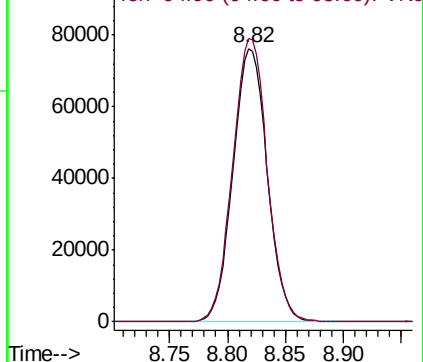
130 100

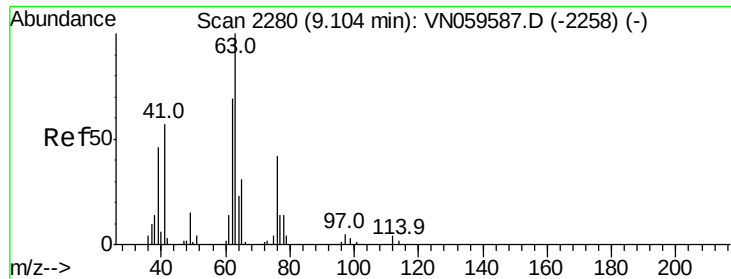
95 103.5 0.0 207.0



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: 50.313 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

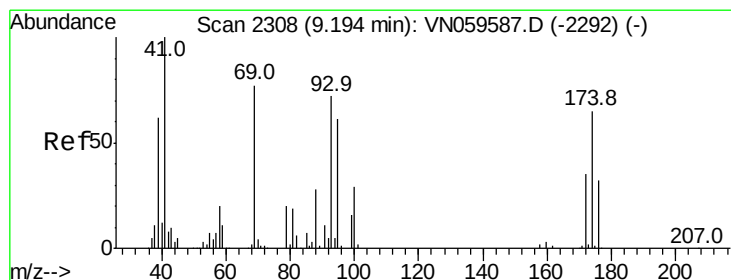
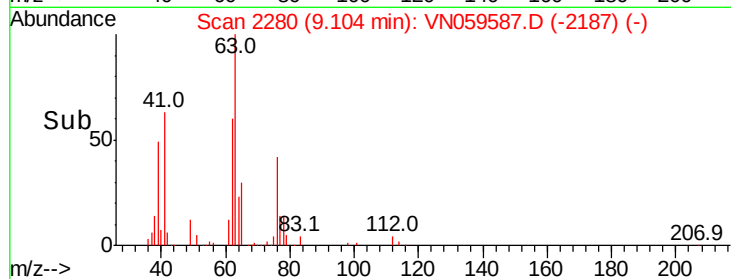
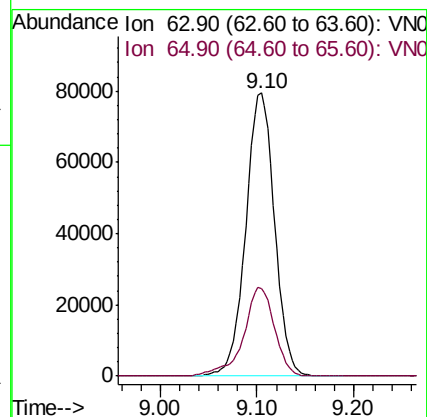
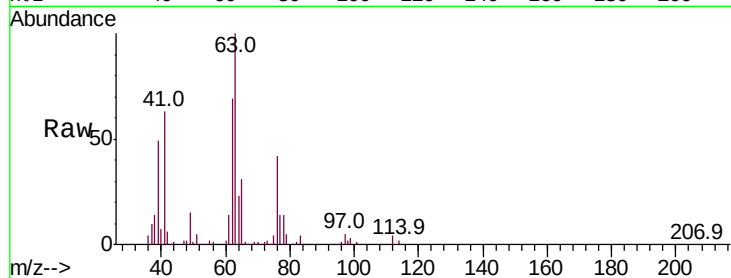
ClientSampleId :

Tot Ion: 63 Resp: 164417

Ion Ratio Lower Upper

63 100

65 31.1 24.9 37.3



#46

Dibromomethane

Concen: 49.599 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

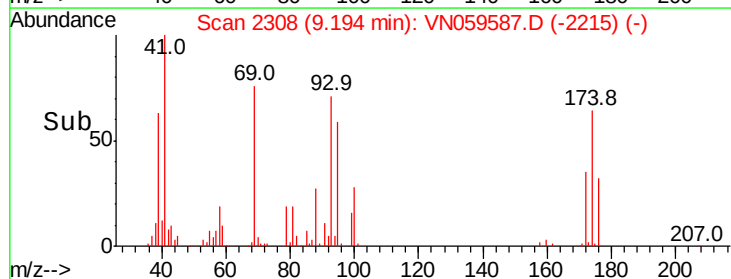
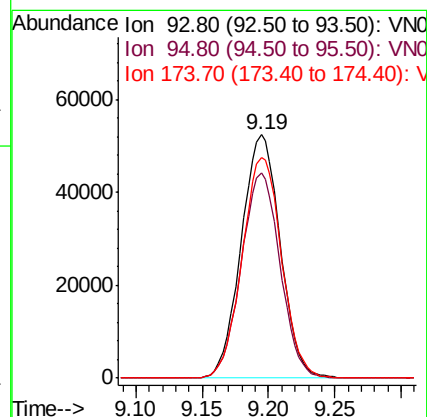
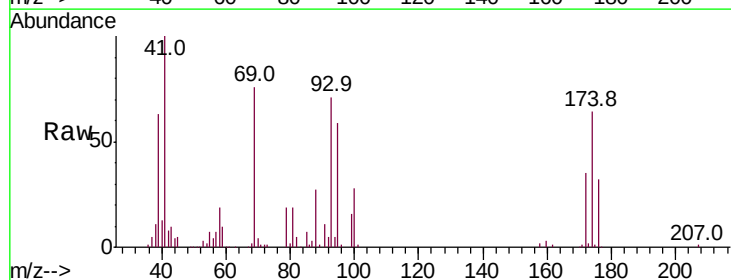
Tgt Ion: 93 Resp: 107410

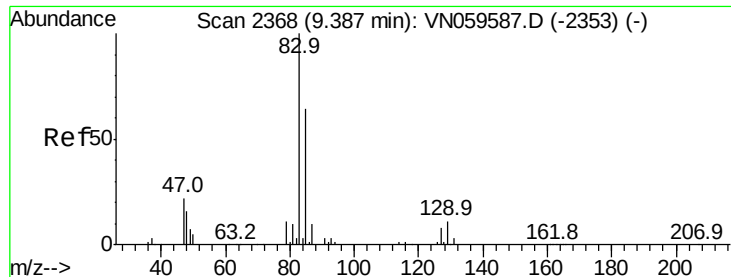
Ion Ratio Lower Upper

93 100

95 83.8 67.0 100.6

174 91.8 73.4 110.2





#47

Bromodichloromethane

Concen: 50.926 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

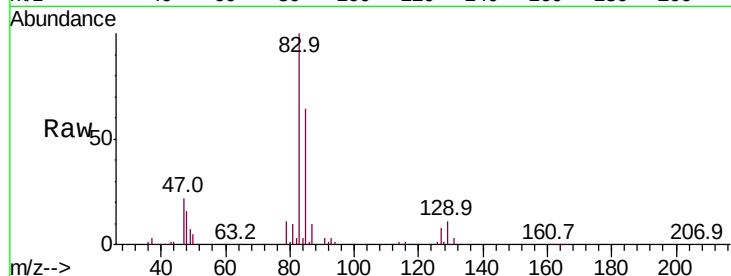
Tot Ion: 83 Resp: 218773

Ion Ratio Lower Upper

83 100

85 63.9 51.1 76.7

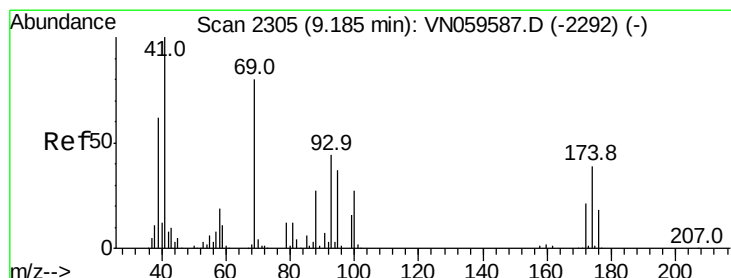
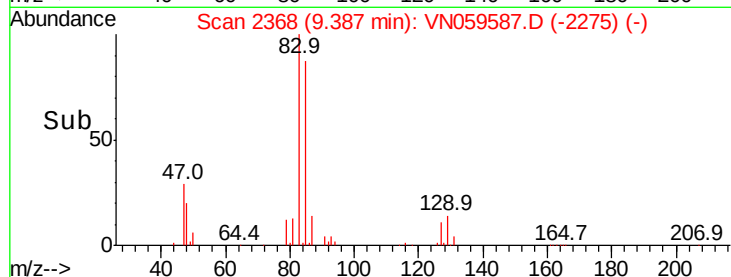
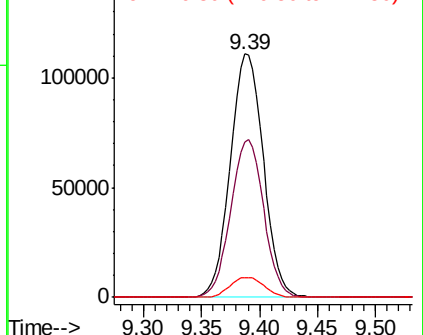
127 8.2 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN059587.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN059587.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN059587.D (-2353) (-)



#48

Methyl methacrylate

Concen: 53.162 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

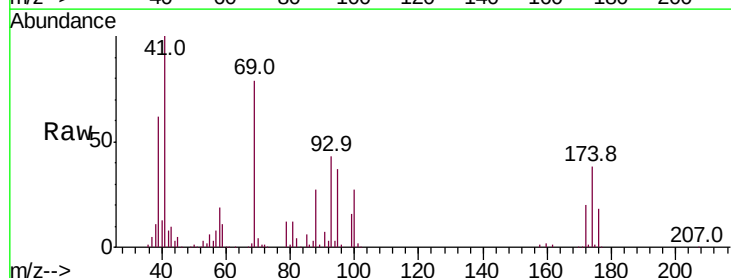
Tgt Ion: 41 Resp: 174364

Ion Ratio Lower Upper

41 100

69 80.5 64.4 96.6

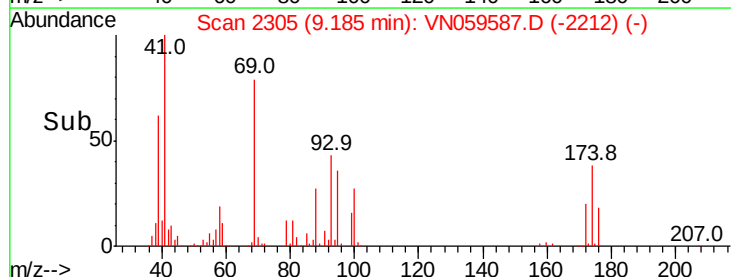
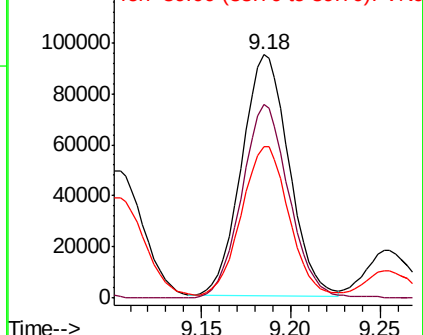
39 64.1 51.3 76.9

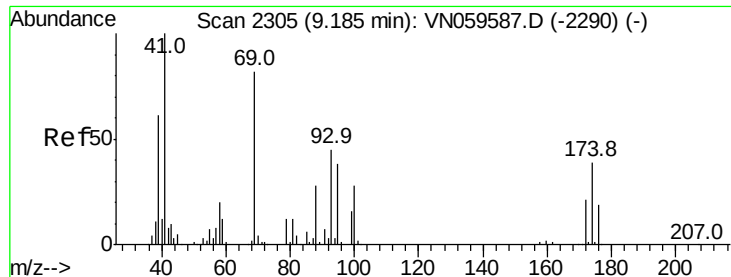


Abundance Ion 41.00 (40.70 to 41.70): VN059587.D (-2292) (-)

Ion 69.00 (68.70 to 69.70): VN059587.D (-2292) (-)

Ion 39.00 (38.70 to 39.70): VN059587.D (-2292) (-)

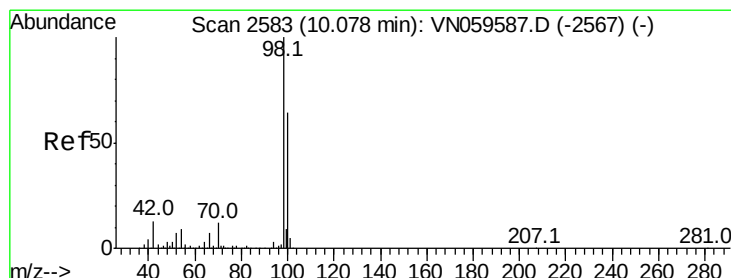
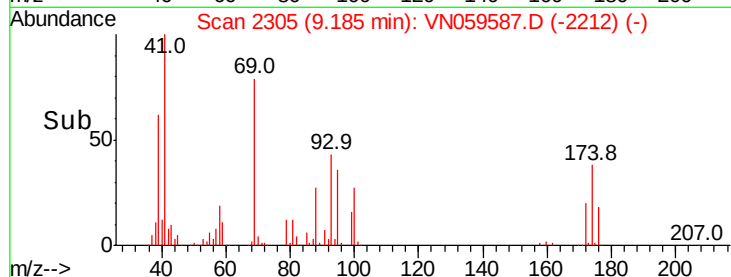
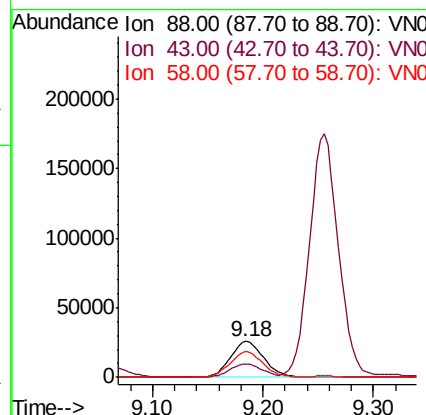
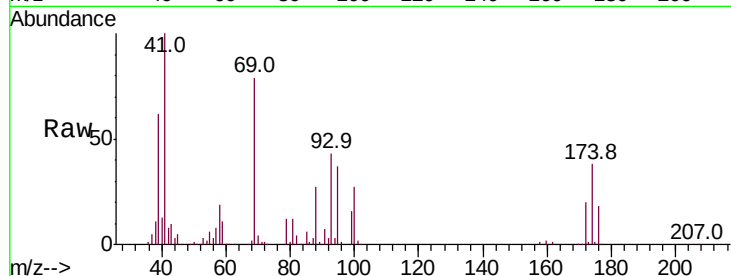




#49
1,4-Dioxane
Concen: 1232.396 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

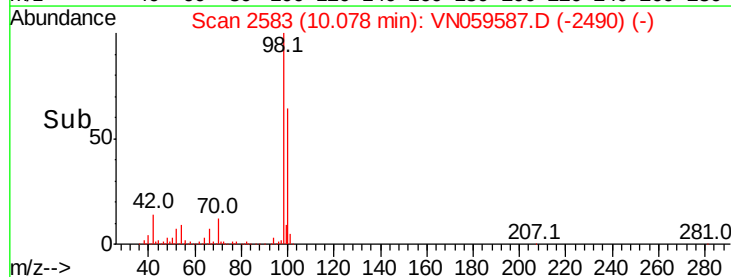
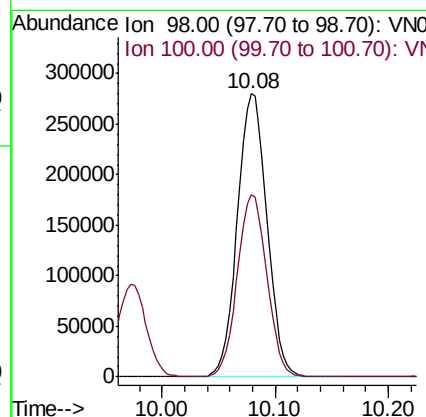
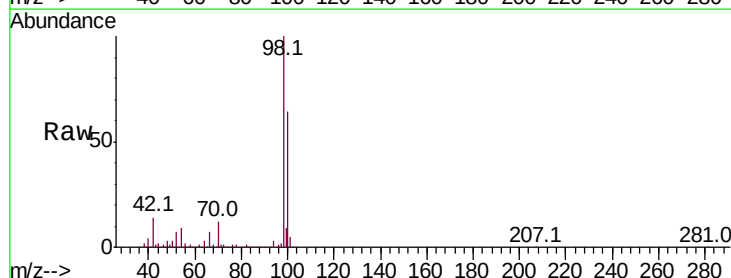
Instrument :
MSVOA_N
ClientSampleId :

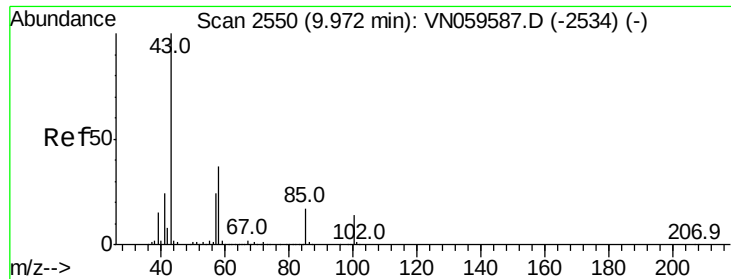
Tot Ion: 88 Resp: 54066
Ion Ratio Lower Upper
88 100
43 37.1 29.7 44.5
58 70.8 56.6 85.0



#50
Toluene-d8
Concen: 49.519 ug/l
RT: 10.08 min Scan# 2583
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 98 Resp: 511680
Ion Ratio Lower Upper
98 100
100 64.0 51.2 76.8





#51

4-Methyl-2-Pentanone

Concen: 277.177 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

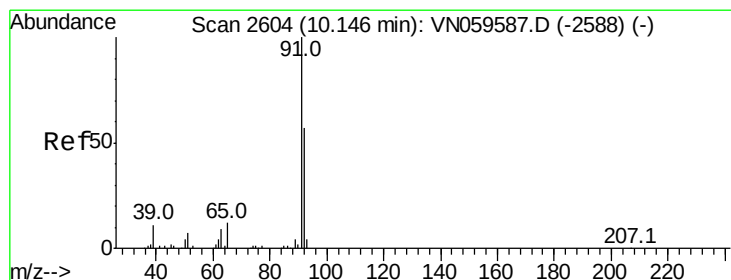
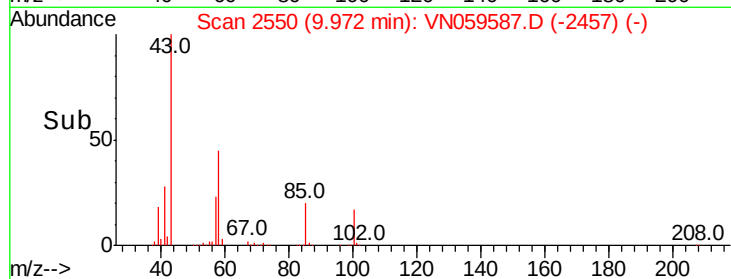
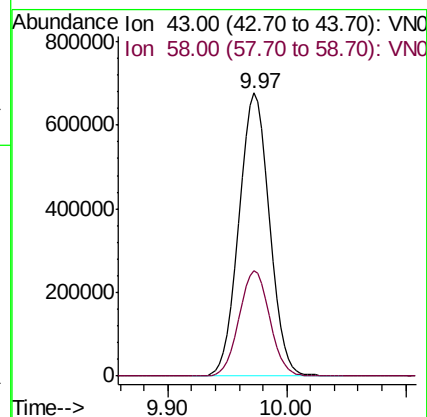
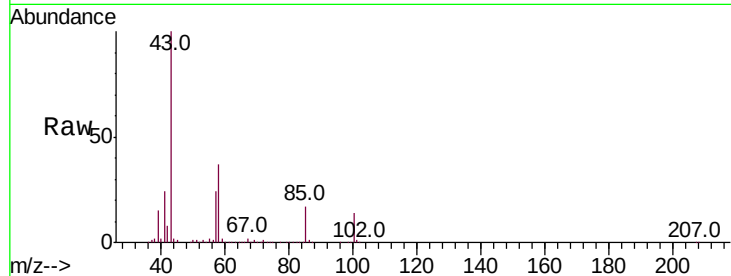
ClientSampleId :

Tot Ion: 43 Resp: 1203944

Ion Ratio Lower Upper

43 100

58 37.3 29.8 44.8



#52

Toluene

Concen: 50.777 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059587.D

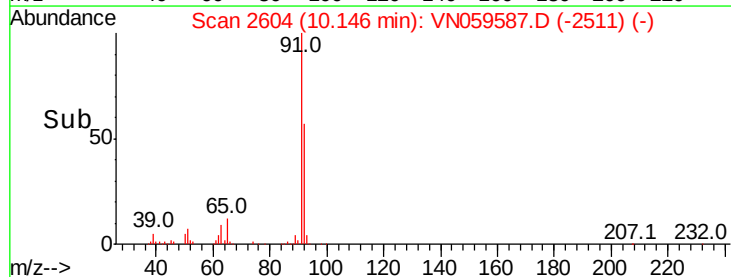
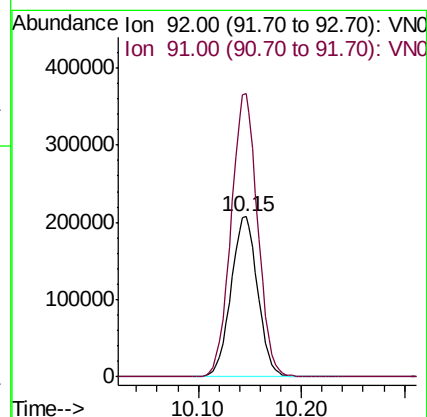
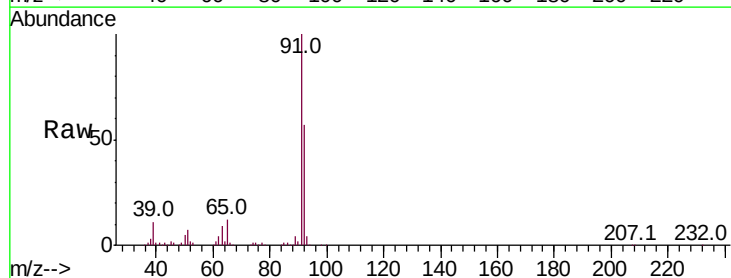
Acq: 13 Dec 2019 16:44

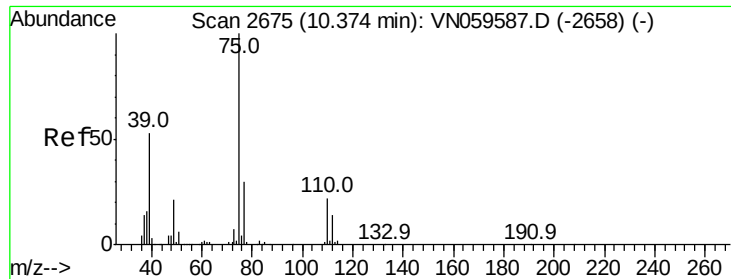
Tgt Ion: 92 Resp: 374024

Ion Ratio Lower Upper

92 100

91 175.5 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 50.926 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

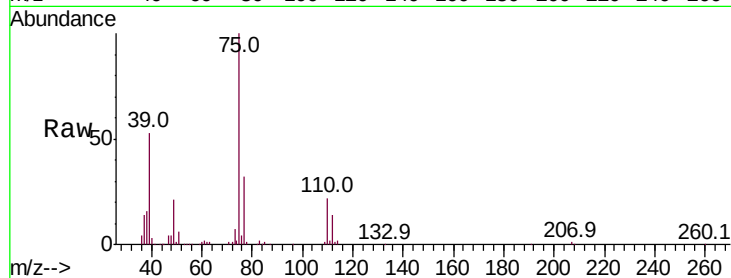
ClientSampleId :

Tot Ion: 75 Resp: 255230

Ion Ratio Lower Upper

75 100

77 31.8 25.4 38.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.37

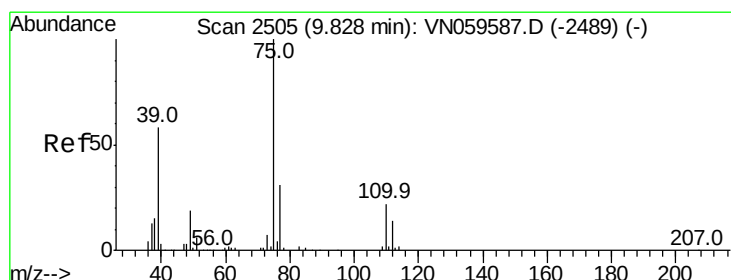
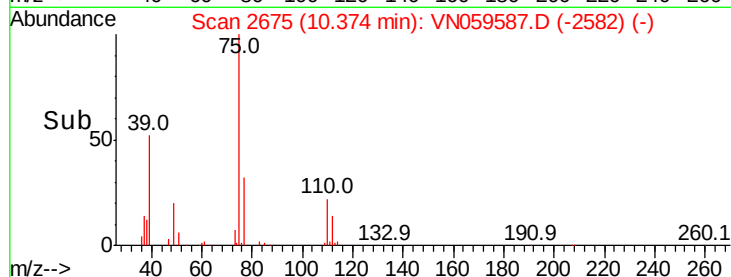
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 52.297 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

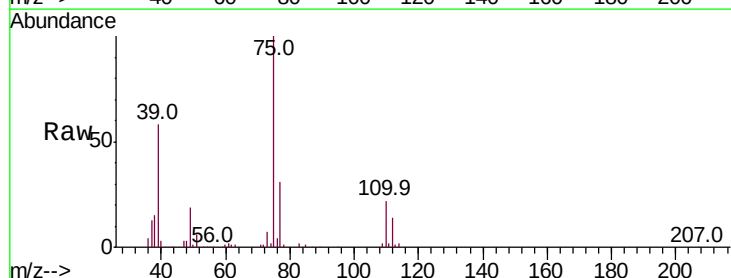
Tgt Ion: 75 Resp: 268644

Ion Ratio Lower Upper

75 100

77 31.4 25.1 37.7

39 57.6 46.1 69.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

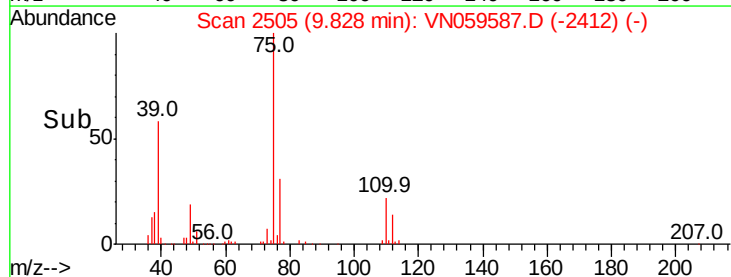
150000

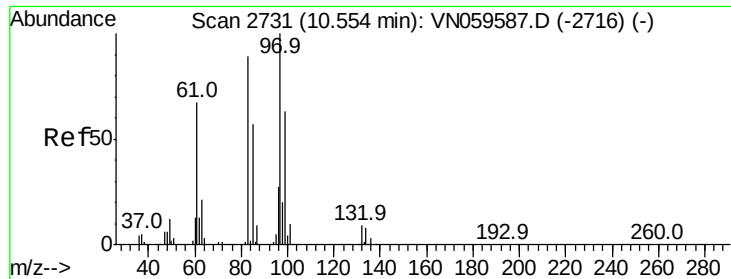
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 50.011 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

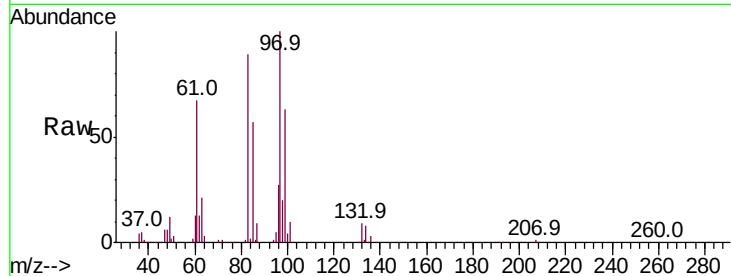
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 149015

Ion	Ratio	Lower	Upper
97	100		
83	89.1	71.3	106.9
85	57.3	45.8	68.8
99	62.5	50.0	75.0

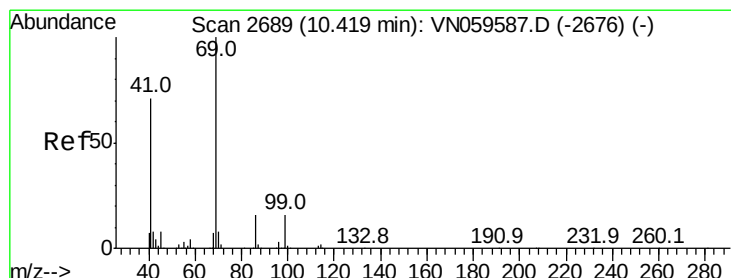
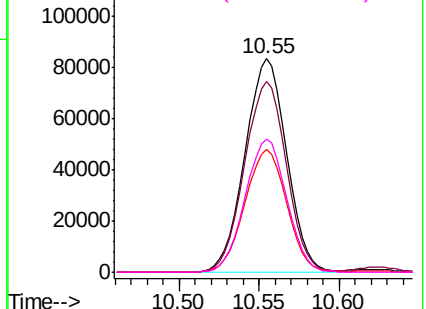
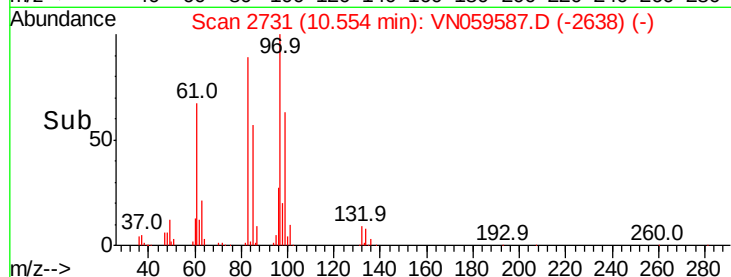


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 53.563 ug/l

RT: 10.42 min Scan# 2689

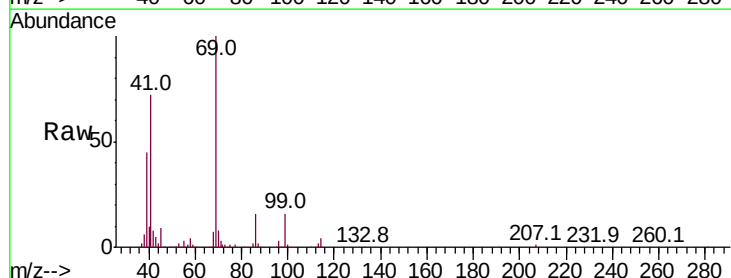
Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 69 Resp: 235871

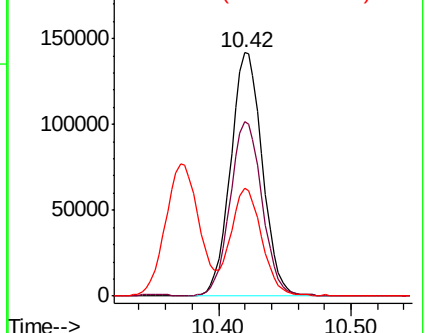
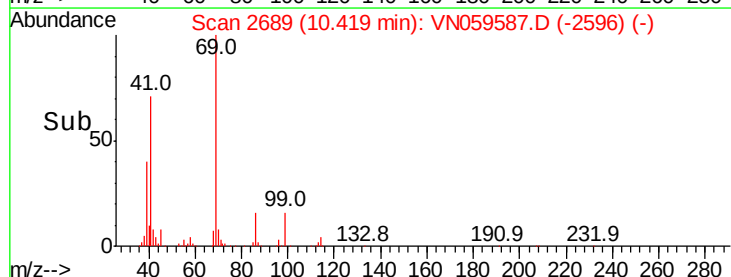
Ion	Ratio	Lower	Upper
69	100		
41	71.4	57.1	85.7
39	43.4	34.7	52.1

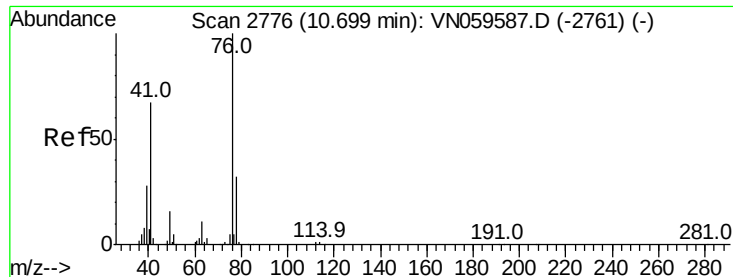


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 51.303 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

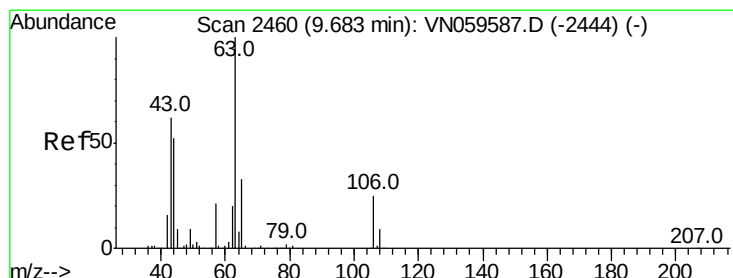
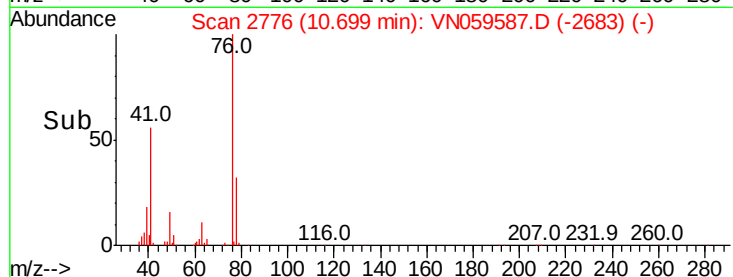
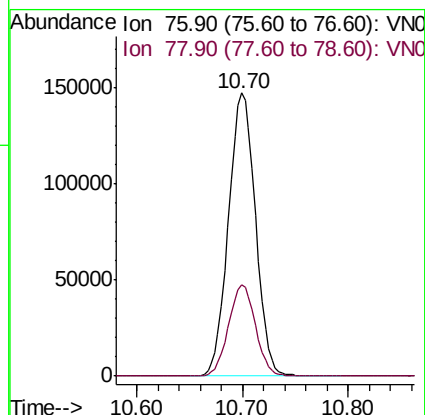
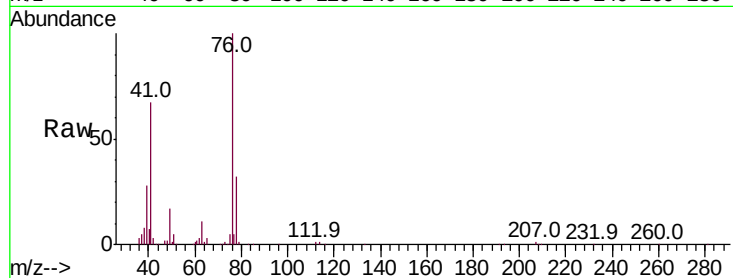
ClientSampleId :

Tot Ion: 76 Resp: 261182

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 319.506 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059587.D

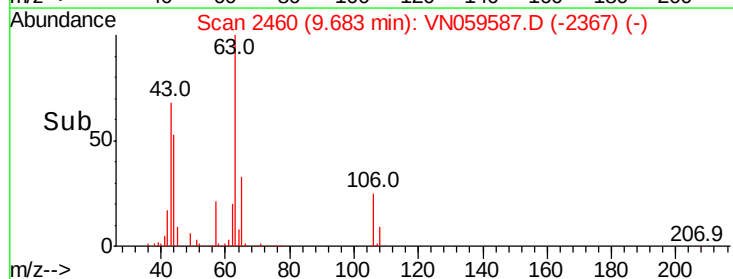
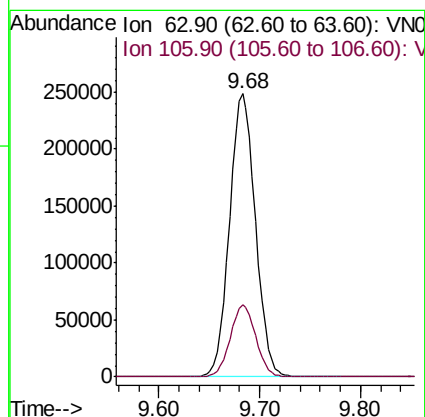
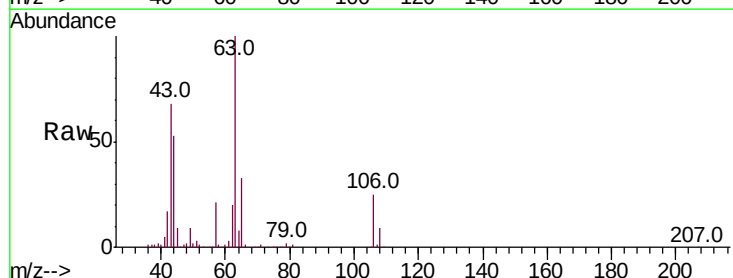
Acq: 13 Dec 2019 16:44

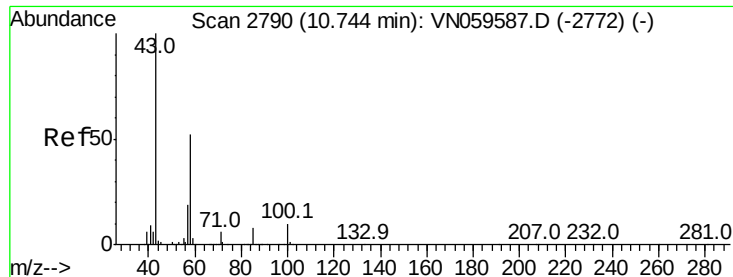
Tgt Ion: 63 Resp: 445573

Ion Ratio Lower Upper

63 100

106 25.2 20.2 30.2

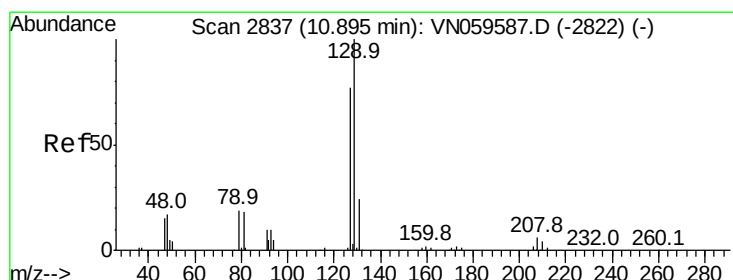
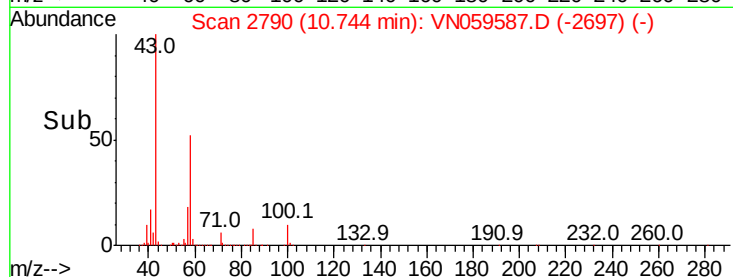
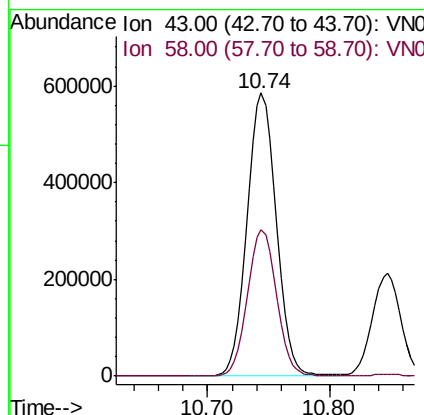
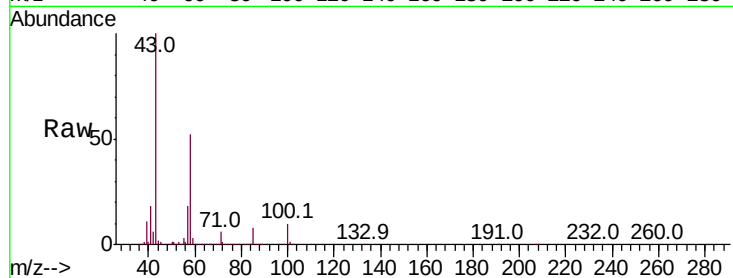




#59
2-Hexanone
Concen: 292.115 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

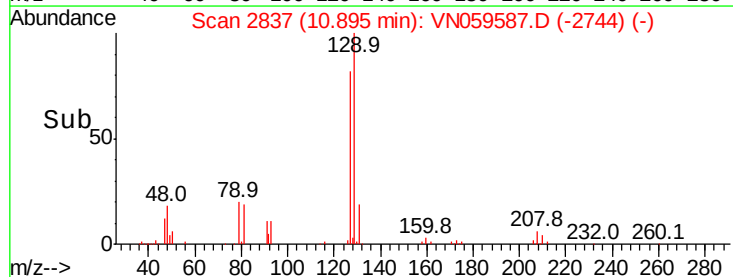
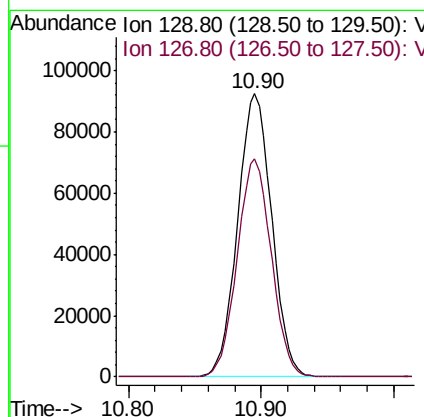
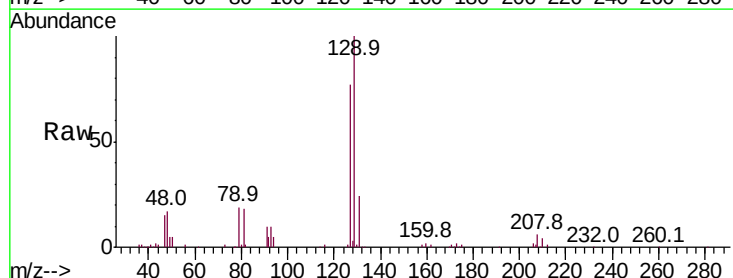
Instrument :
MSVOA_N
ClientSampleId :

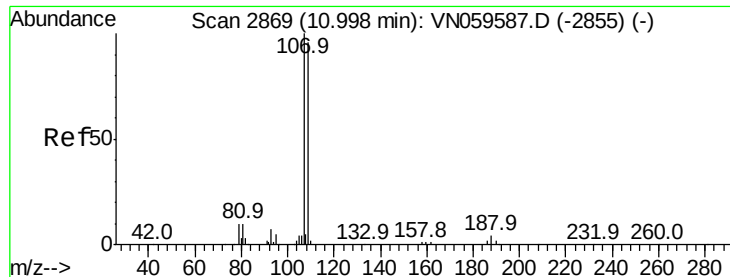
Tot Ion: 43 Resp: 961577
Ion Ratio Lower Upper
43 100
58 51.5 25.8 77.3



#60
Dibromochloromethane
Concen: 51.093 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion: 129 Resp: 165048
Ion Ratio Lower Upper
129 100
127 77.0 38.5 115.5

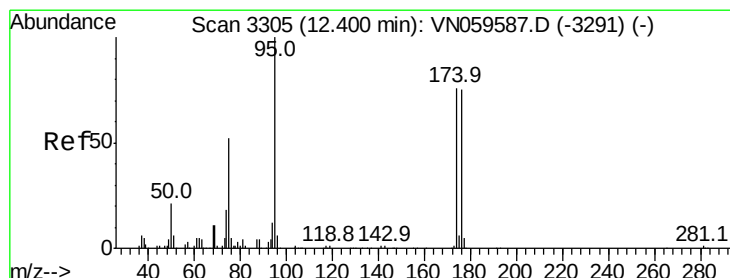
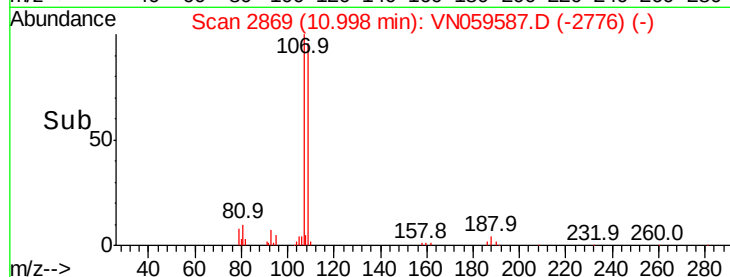
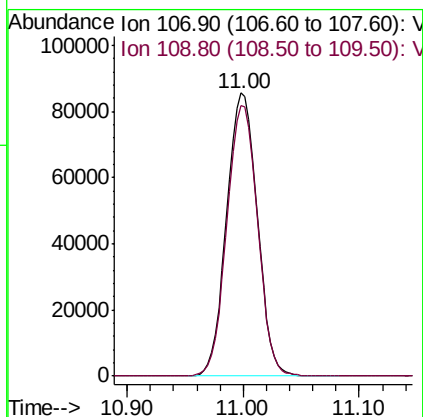
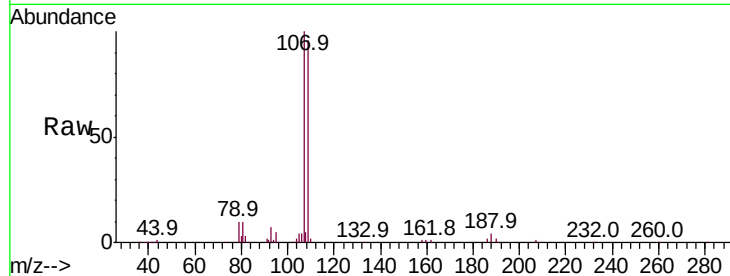




#61
 1,2-Dibromoethane
 Concen: 50.405 ug/l
 RT: 11.00 min Scan# 2869
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

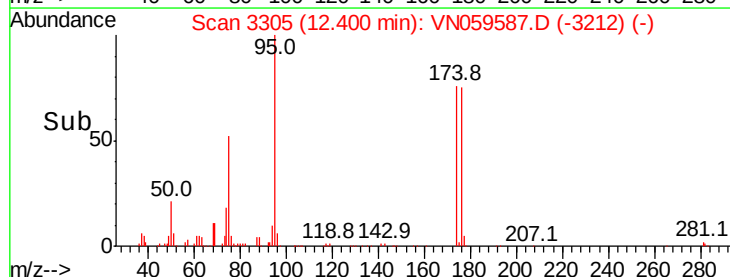
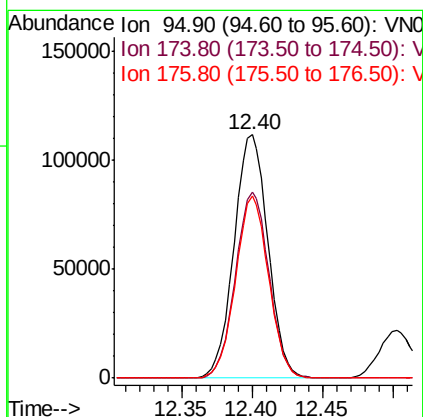
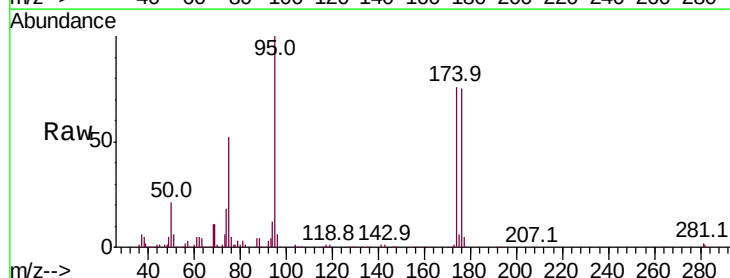
Instrument :
 MSVOA_N
 ClientSampleId :

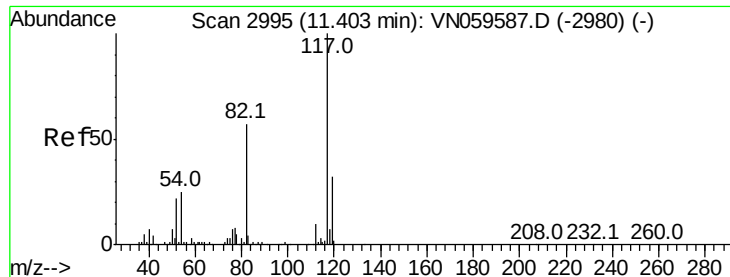
Tot Ion: 107 Resp: 156132
 Ion Ratio Lower Upper
 107 100
 109 95.8 76.6 115.0



#62
 4-Bromofluorobenzene
 Concen: 50.545 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion: 95 Resp: 188758
 Ion Ratio Lower Upper
 95 100
 174 75.7 0.0 151.4
 176 73.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

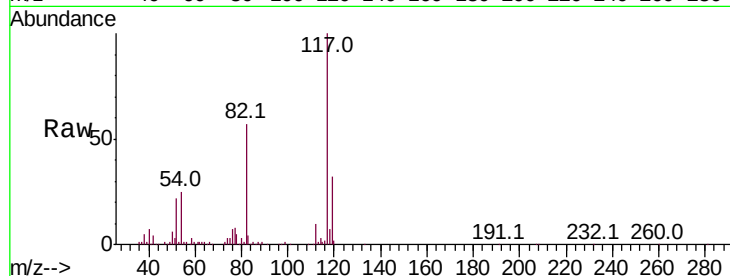
Tot Ion:117 Resp: 381495

Ion Ratio Lower Upper

117 100

82 57.4 45.9 68.9

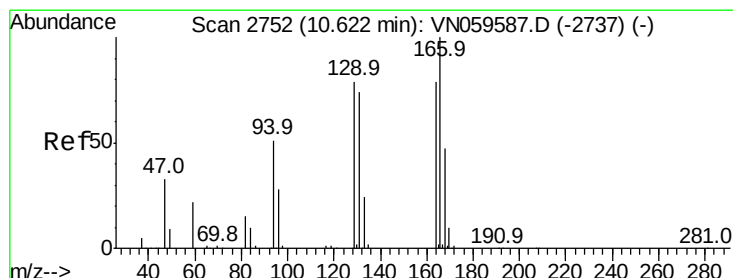
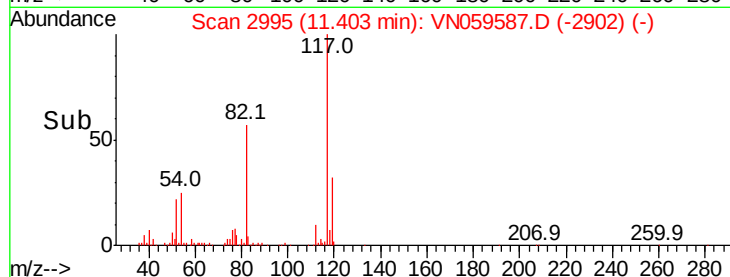
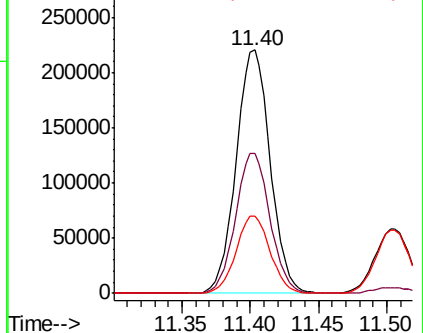
119 31.9 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 54.670 ug/l

RT: 10.62 min Scan# 2752

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion:164 Resp: 161833

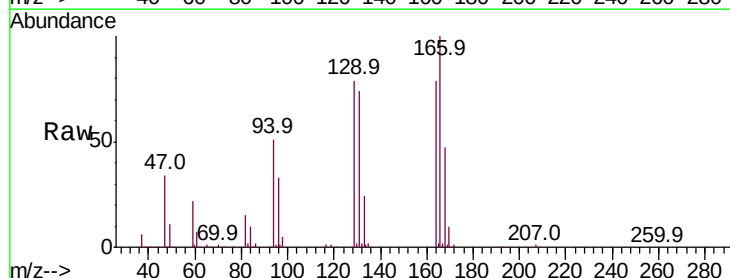
Ion Ratio Lower Upper

164 100

166 126.7 101.4 152.0

129 100.3 80.2 120.4

131 93.7 75.0 112.4

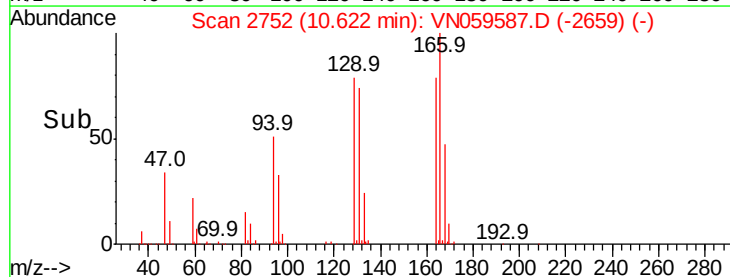
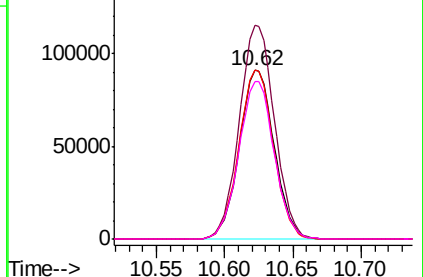


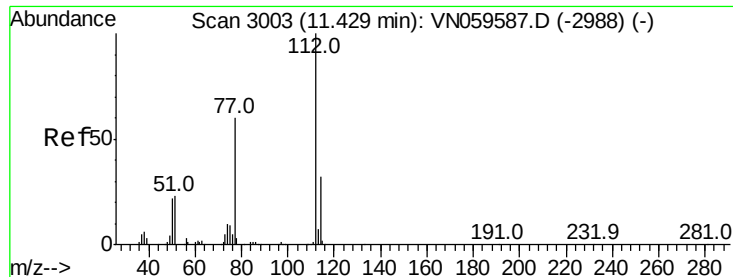
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 48.581 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

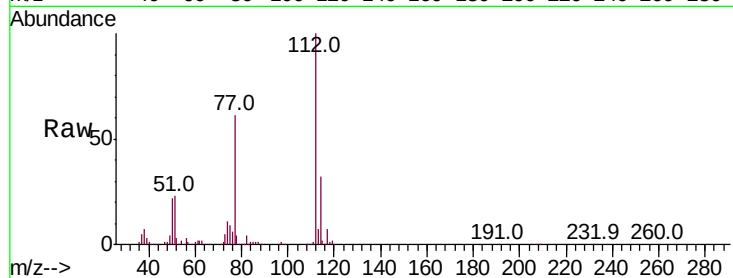
ClientSampled :

Tot Ion:112 Resp: 395739

Ion Ratio Lower Upper

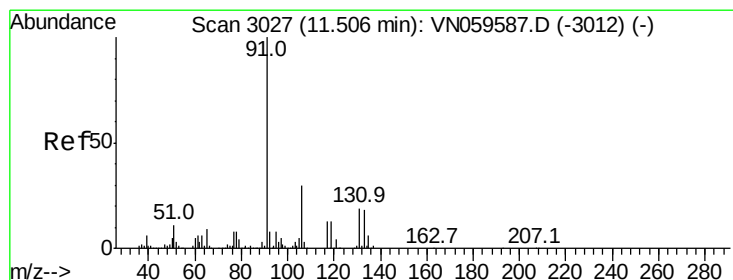
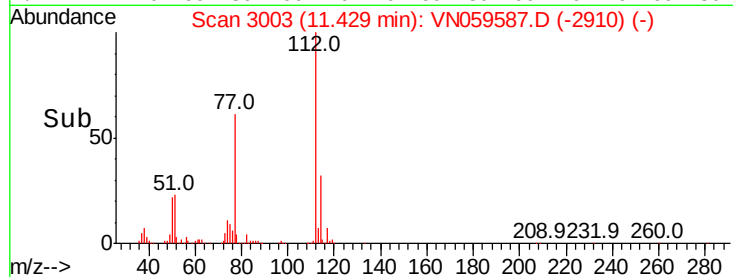
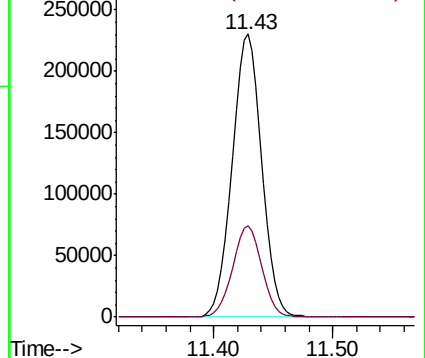
112 100

114 32.3 25.8 38.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 49.724 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

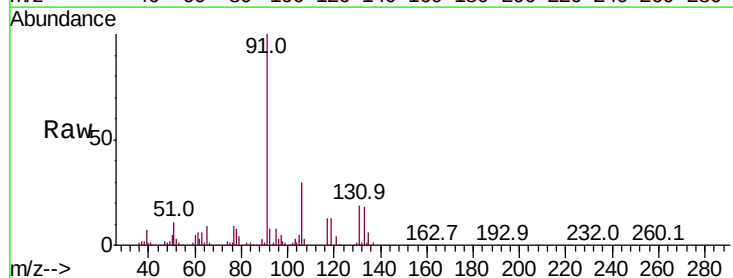
Tgt Ion:131 Resp: 151321

Ion Ratio Lower Upper

131 100

133 94.8 47.4 142.2

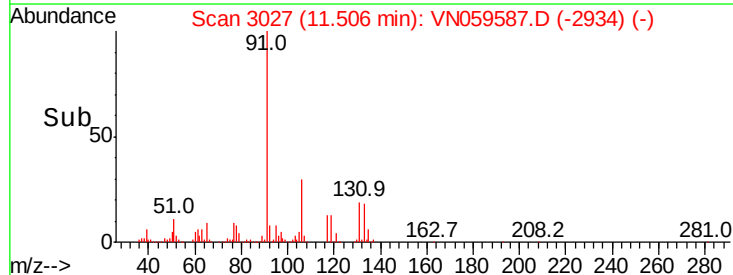
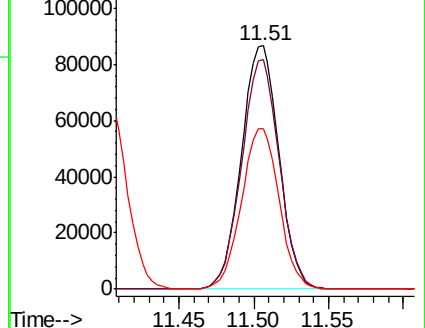
119 66.2 33.1 99.3

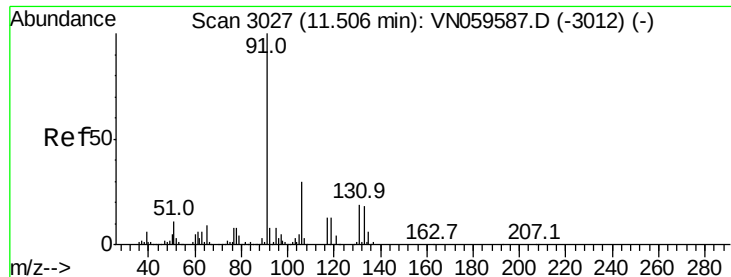


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 50.087 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

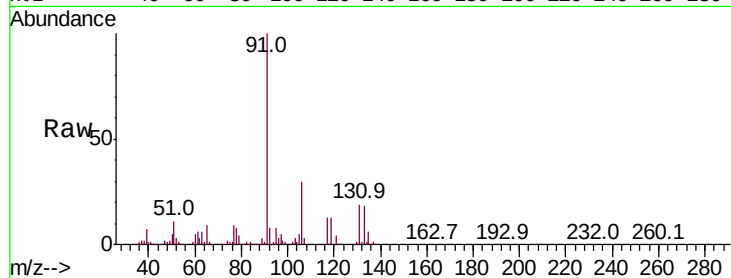
ClientSampleId :

Tot Ion: 91 Resp: 733118

Ion Ratio Lower Upper

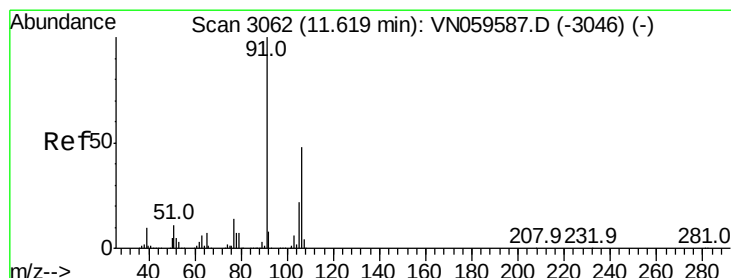
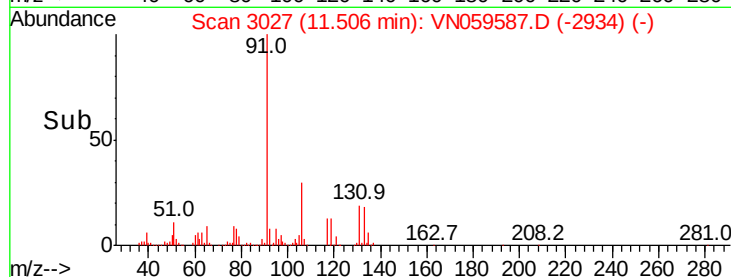
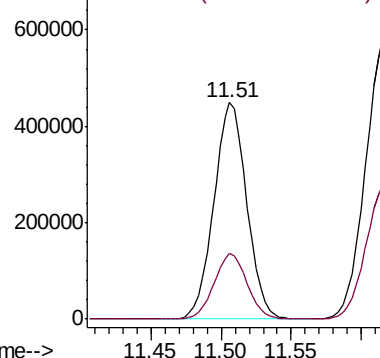
91 100

106 30.1 24.1 36.1



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

Ion 106.00 (105.70 to 106.70): VN059587.D



#68

m/p-Xylenes

Concen: 99.592 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN059587.D

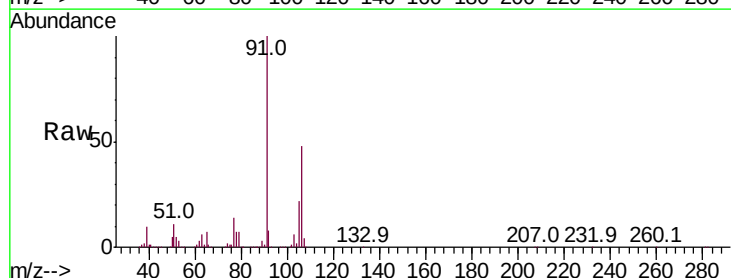
Acq: 13 Dec 2019 16:44

Tgt Ion: 106 Resp: 540002

Ion Ratio Lower Upper

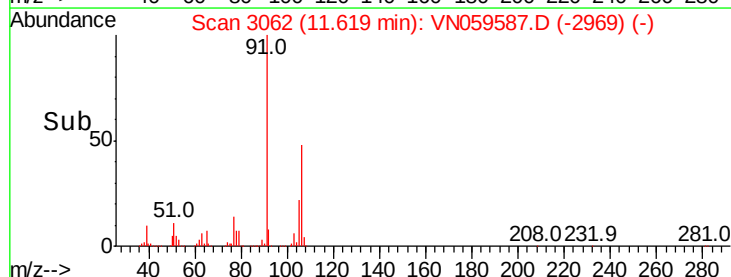
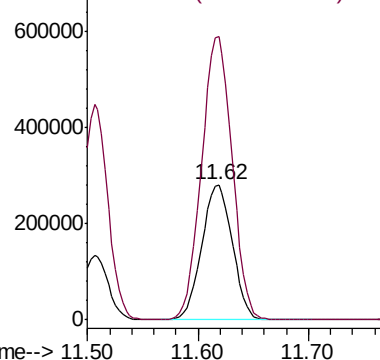
106 100

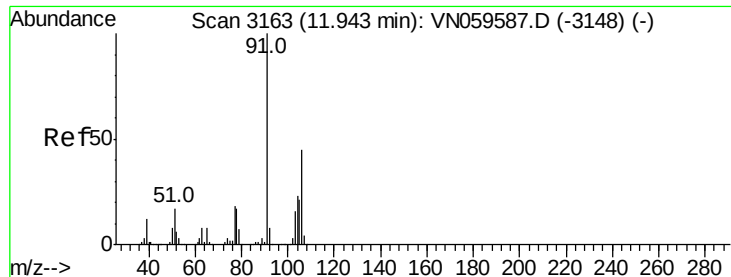
91 209.9 167.9 251.9



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

Ion 91.00 (90.70 to 91.70): VN059587.D

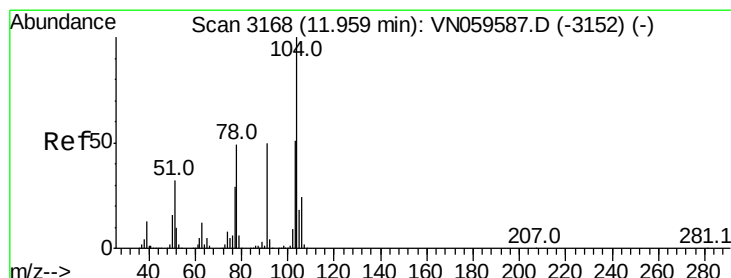
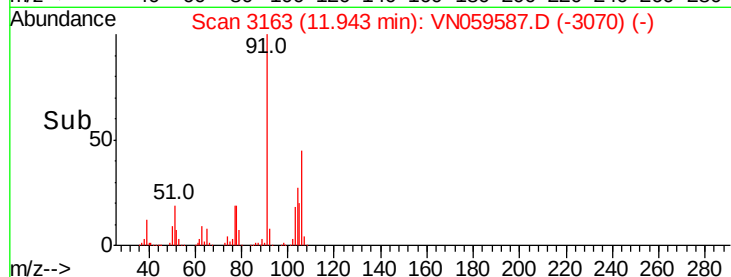
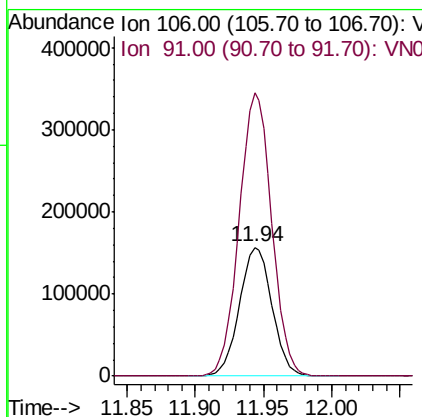
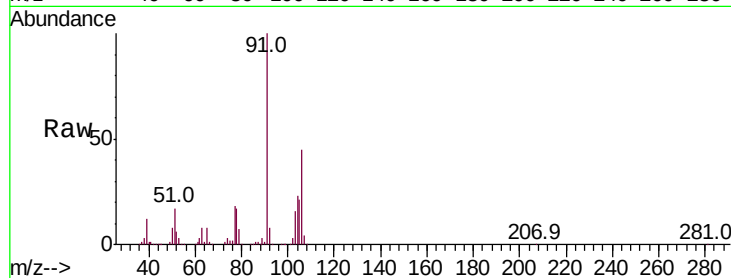




#69
o-Xylene
Concen: 51.148 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

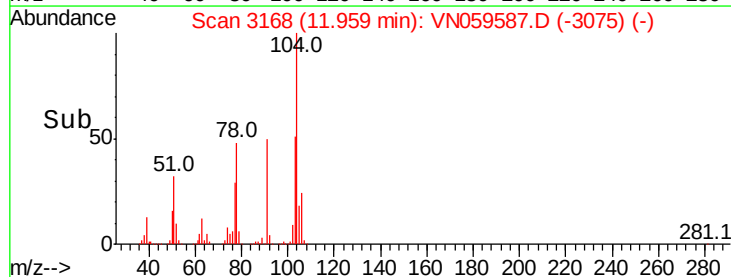
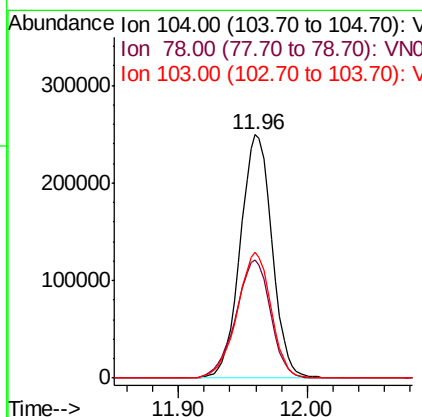
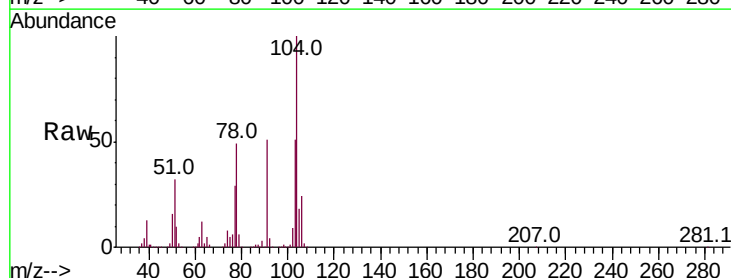
Instrument :
MSVOA_N
ClientSampleId :

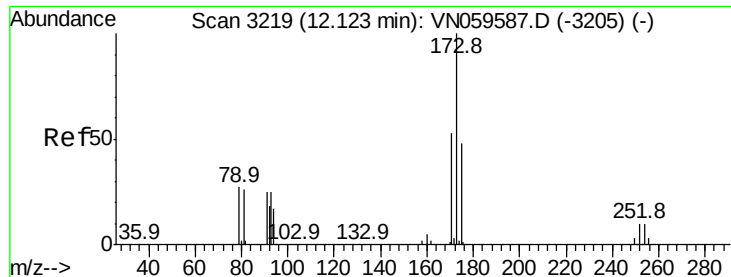
Tot Ion:106 Resp: 258941
Ion Ratio Lower Upper
106 100
91 220.6 110.3 330.9



#70
Styrene
Concen: 51.100 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion:104 Resp: 428425
Ion Ratio Lower Upper
104 100
78 53.0 42.4 63.6
103 54.9 43.9 65.9

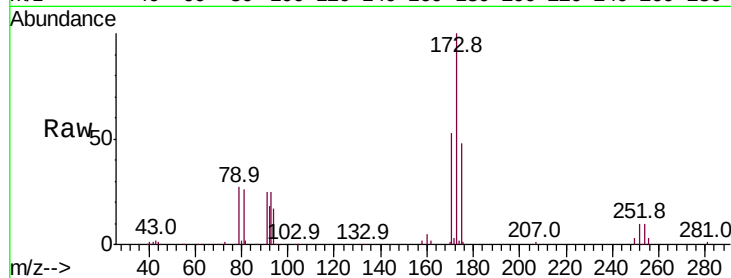




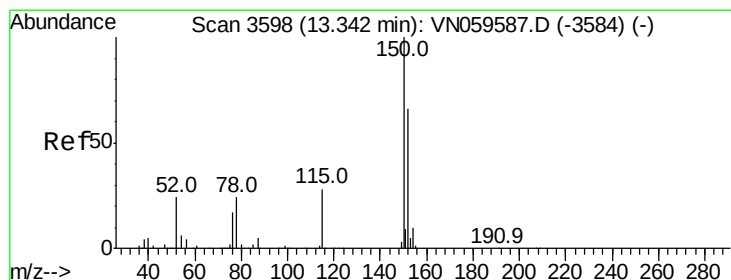
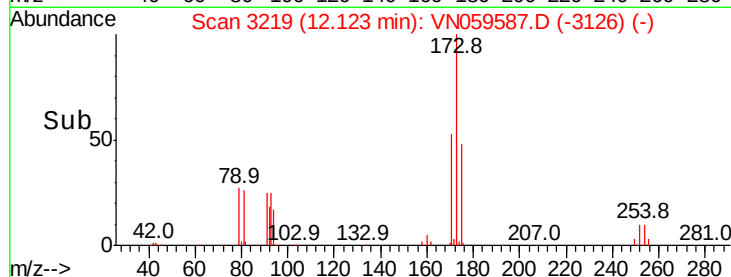
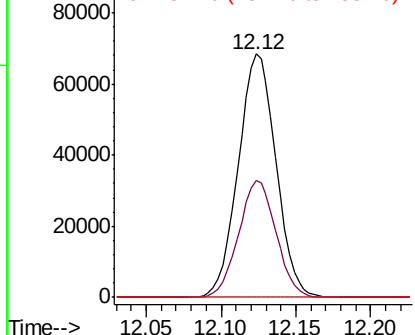
#71
Bromoform
Concen: 50.884 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 120044
Ion Ratio Lower Upper
173 100
175 47.6 23.8 71.4
254 0.0 0.0 0.0

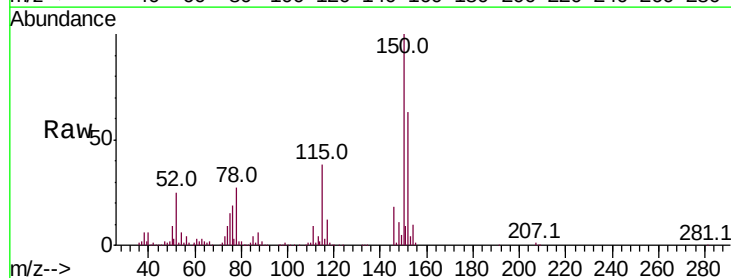


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

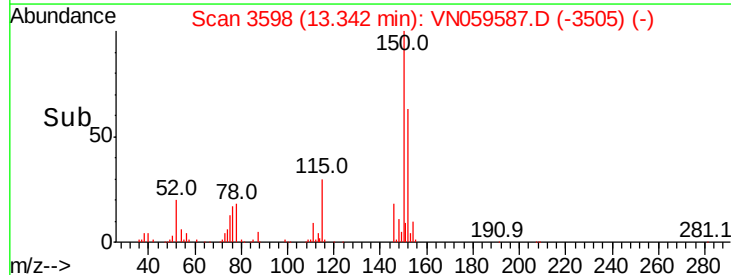
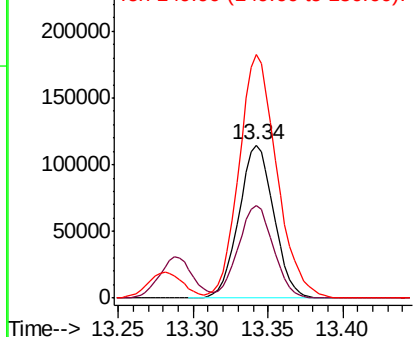


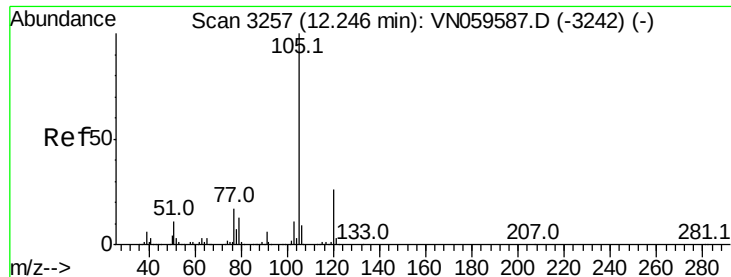
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion:152 Resp: 186031
Ion Ratio Lower Upper
152 100
115 60.6 30.3 90.9
150 172.6 0.0 345.2



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





#73

Isopropylbenzene

Concen: 48.370 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

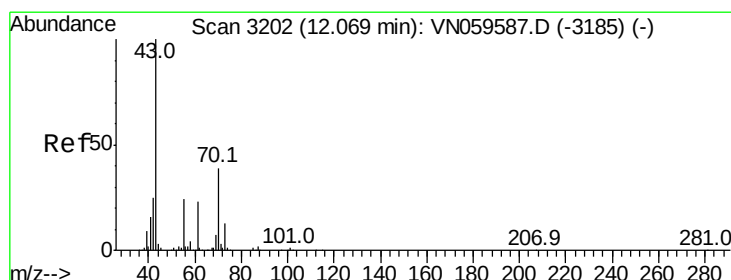
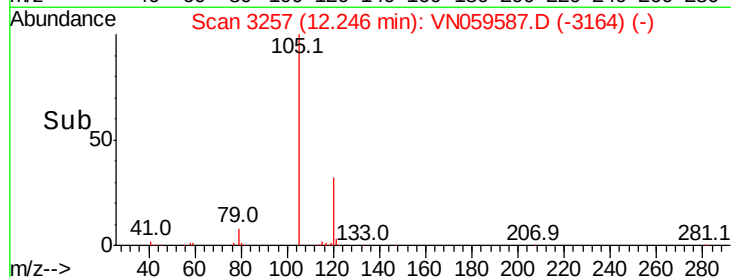
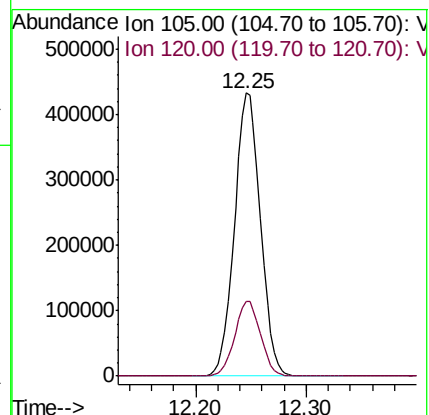
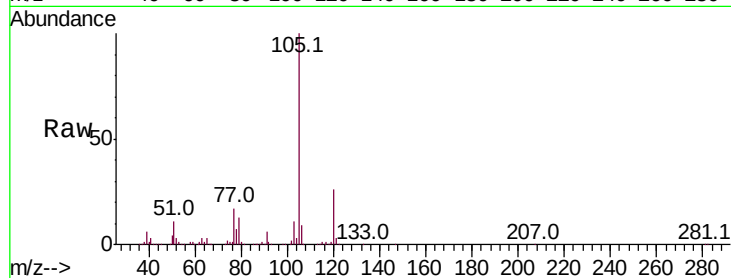
ClientSampled :

Tot Ion:105 Resp: 703416

Ion Ratio Lower Upper

105 100

120 26.3 13.2 39.5



#74

N-ethyl acetate

Concen: 52.856 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Tgt Ion: 43 Resp: 336763

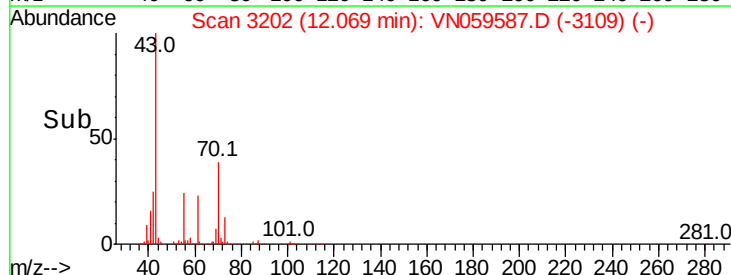
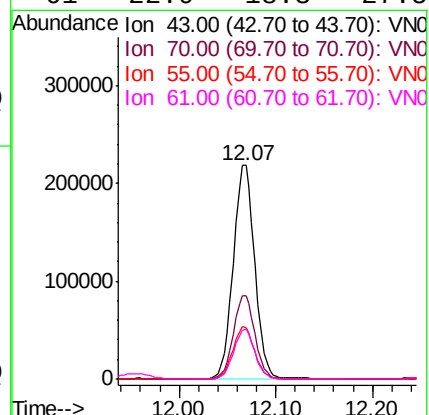
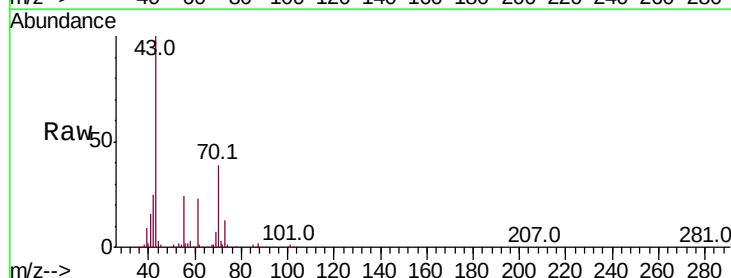
Ion Ratio Lower Upper

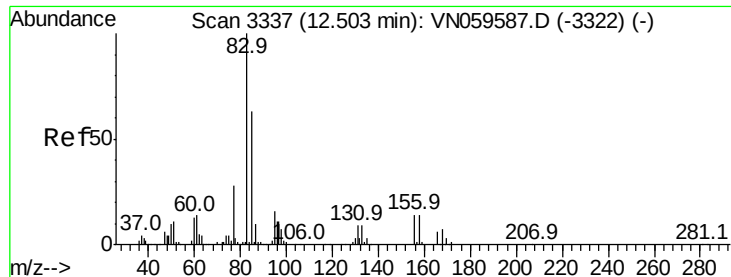
43 100

70 39.1 31.3 46.9

55 24.7 19.8 29.6

61 22.9 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 45.911 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

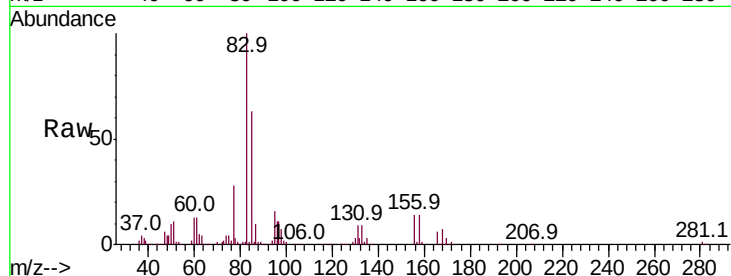
Tot Ion: 83 Resp: 222814

Ion Ratio Lower Upper

83 100

131 9.9 5.0 14.9

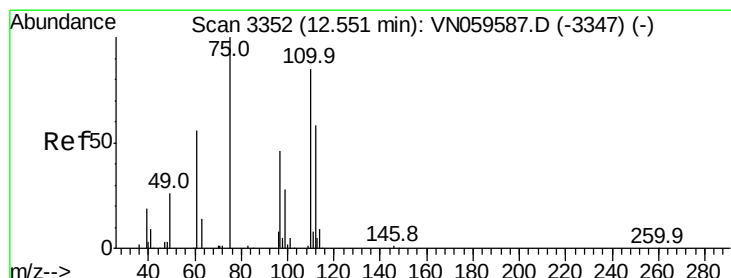
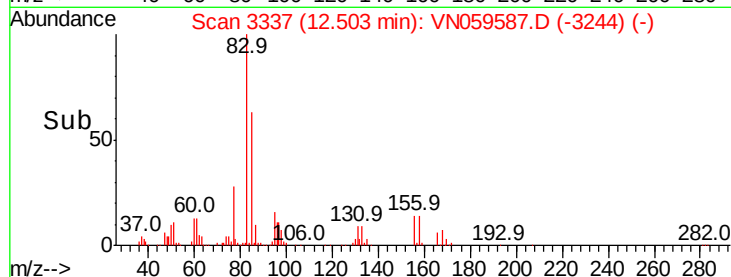
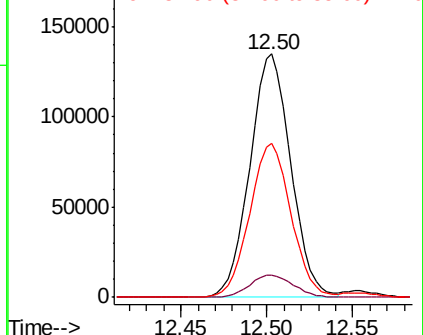
85 63.7 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC



#76

1,2,3-Trichloropropane

Concen: 66.588 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059587.D

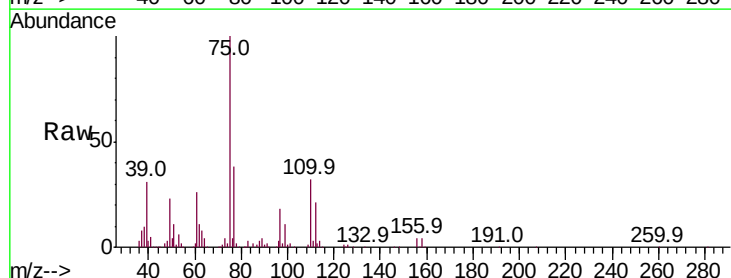
Acq: 13 Dec 2019 16:44

Tgt Ion: 75 Resp: 325945

Ion Ratio Lower Upper

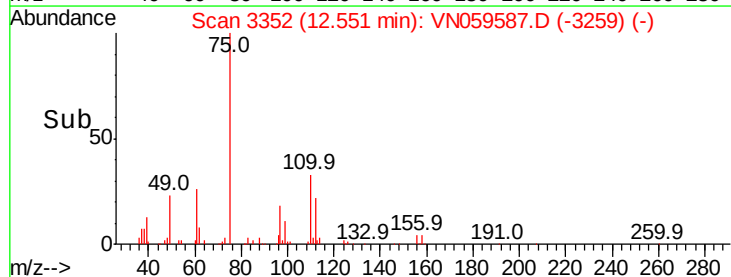
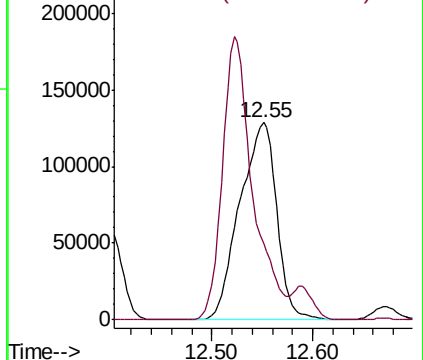
75 100

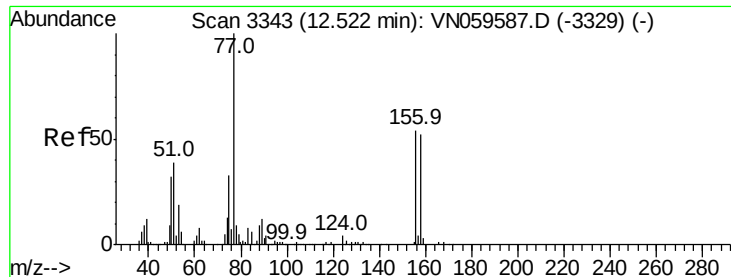
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC





#77

Bromobenzene

Concen: 46.749 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

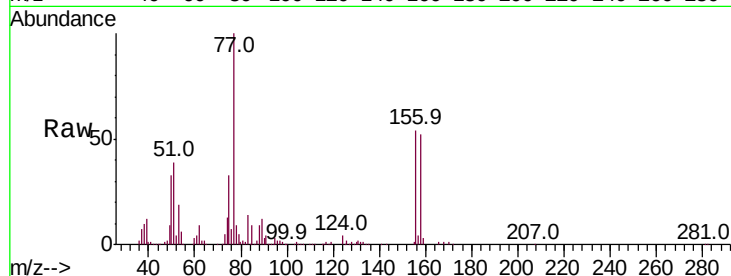
Tot Ion:156 Resp: 166751

Ion Ratio Lower Upper

156 100

77 231.6 115.8 347.4

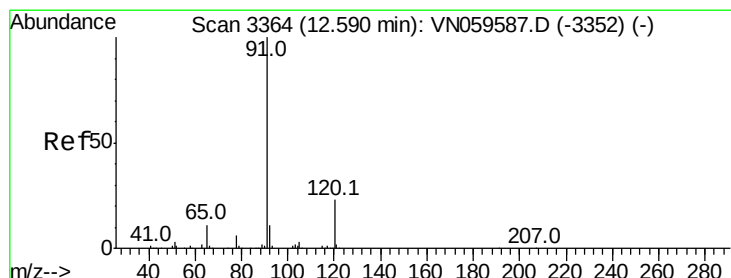
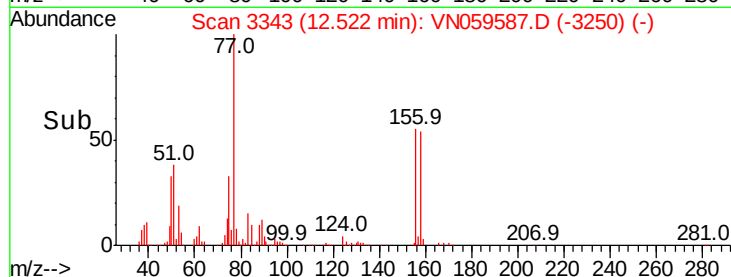
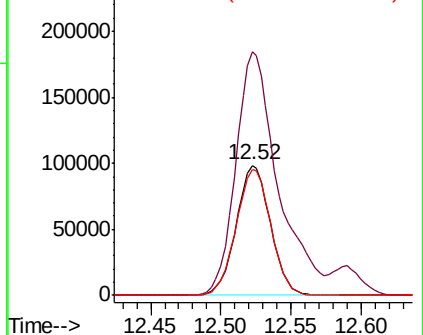
158 98.4 49.2 147.6



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: 47.437 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059587.D

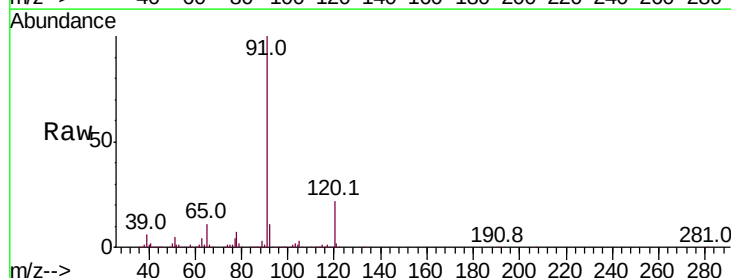
Acq: 13 Dec 2019 16:44

Tgt Ion: 91 Resp: 838585

Ion Ratio Lower Upper

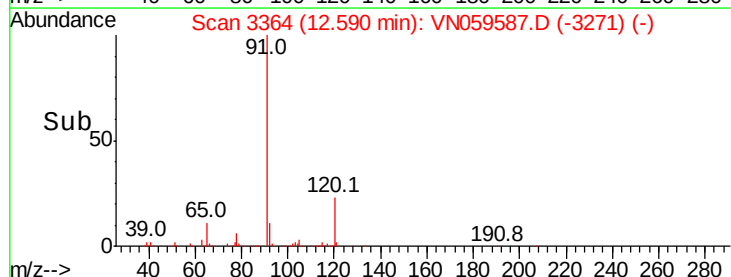
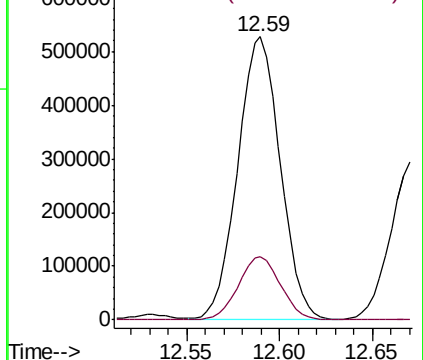
91 100

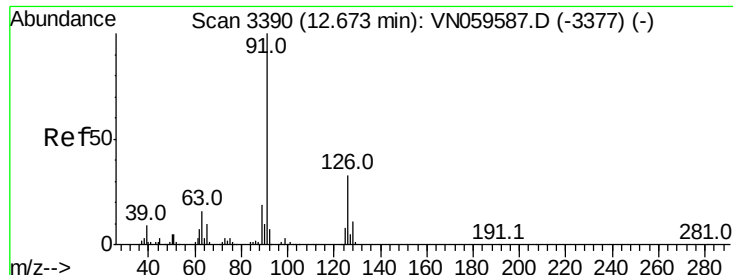
120 22.2 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 46.690 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

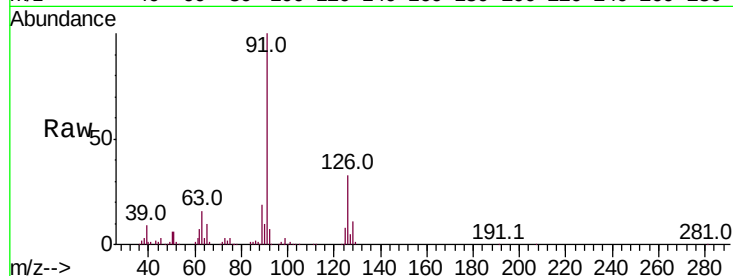
ClientSampled :

Tot Ion: 91 Resp: 492671

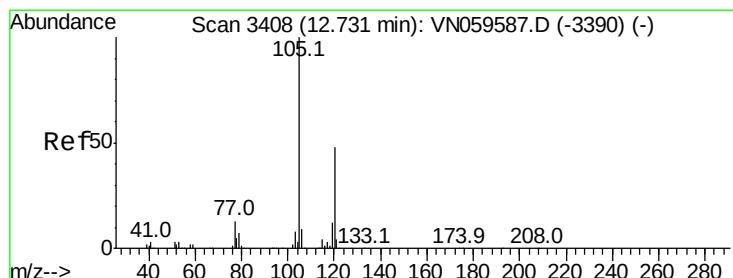
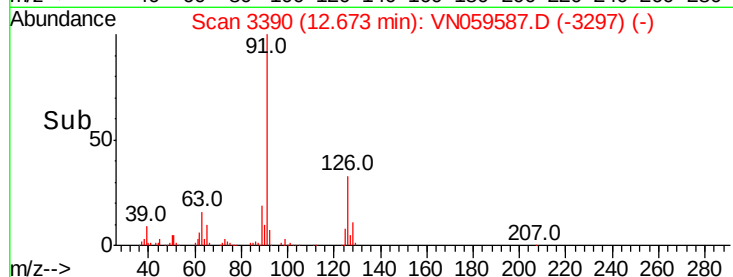
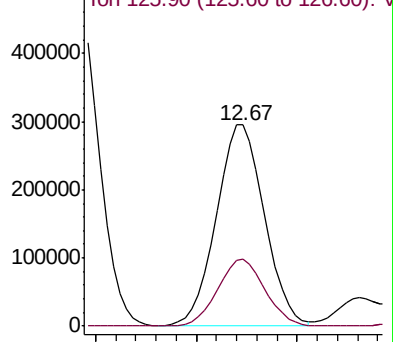
Ion Ratio Lower Upper

91 100

126 32.6 16.3 48.9



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



#80

1,3,5-Trimethylbenzene

Concen: 48.470 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059587.D

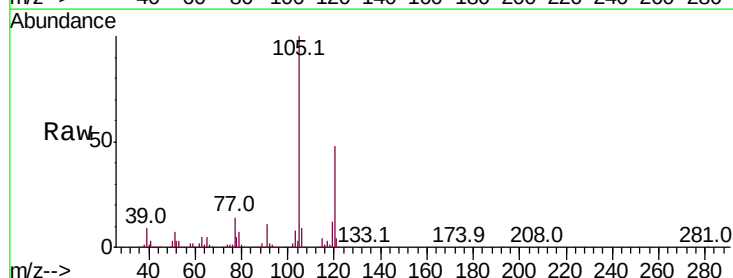
Acq: 13 Dec 2019 16:44

Tgt Ion: 105 Resp: 596435

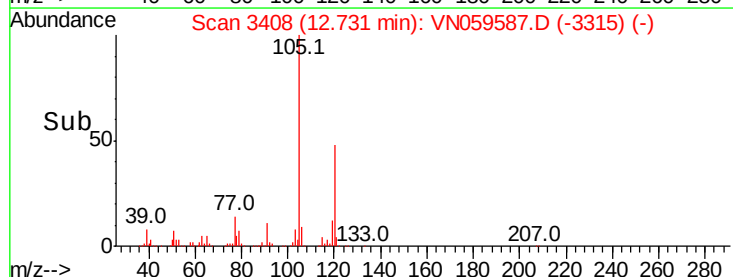
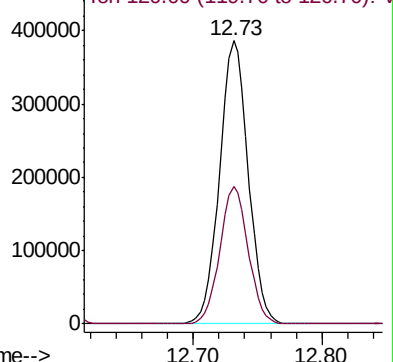
Ion Ratio Lower Upper

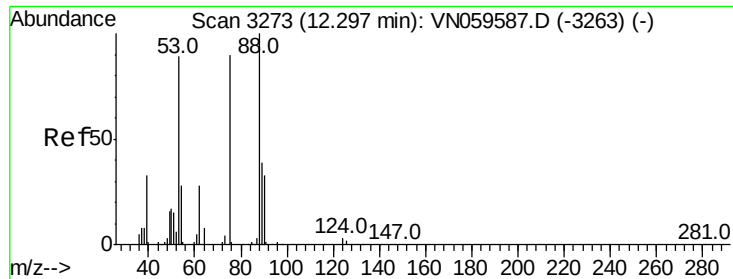
105 100

120 48.3 24.1 72.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 47.838 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

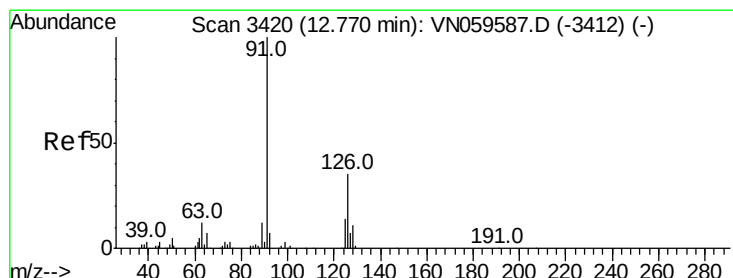
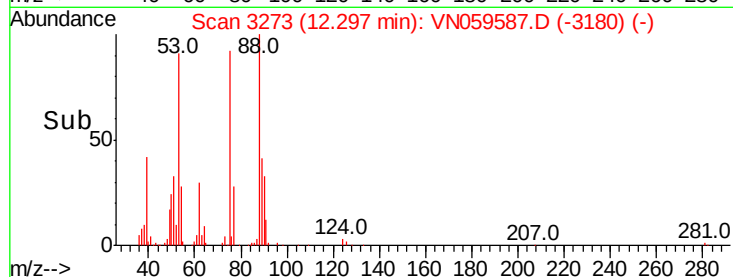
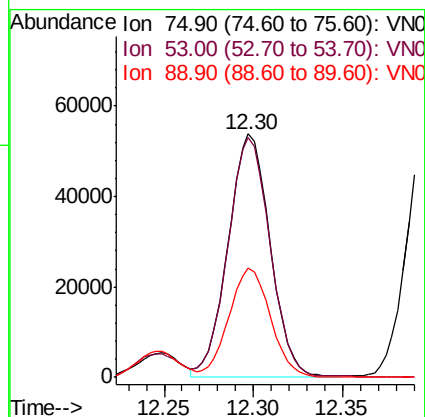
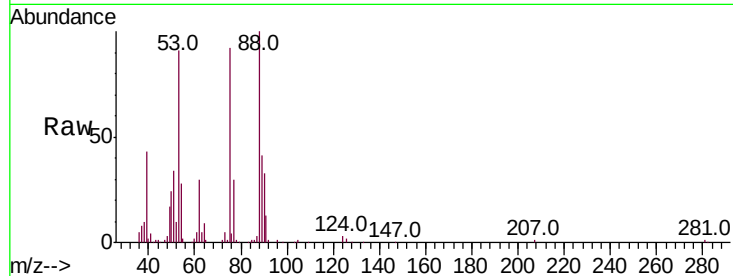
Tot Ion: 75 Resp: 88660

Ion Ratio Lower Upper

75 100

53 97.6 78.1 117.1

89 44.3 35.4 53.2



#82

4-Chlorotoluene

Concen: 47.374 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. 0.00 min

Lab File: VN059587.D

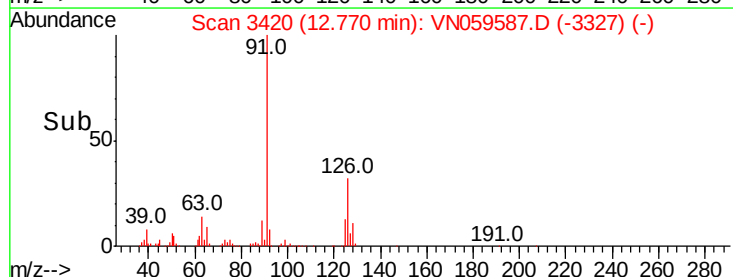
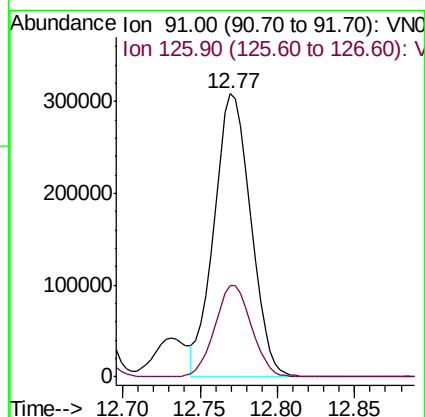
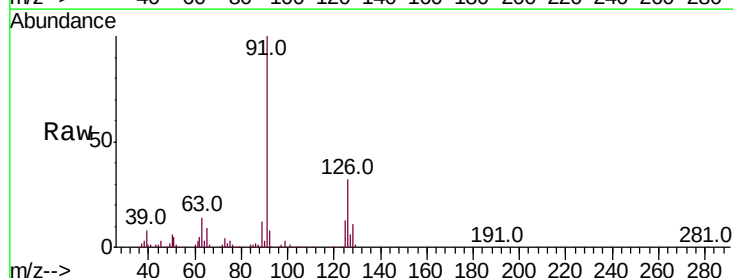
Acq: 13 Dec 2019 16:44

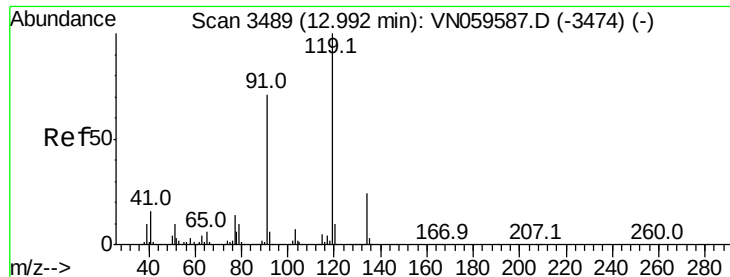
Tgt Ion: 91 Resp: 509176

Ion Ratio Lower Upper

91 100

126 32.5 16.3 48.8





#83

tert-Butylbenzene

Concen: 48.314 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

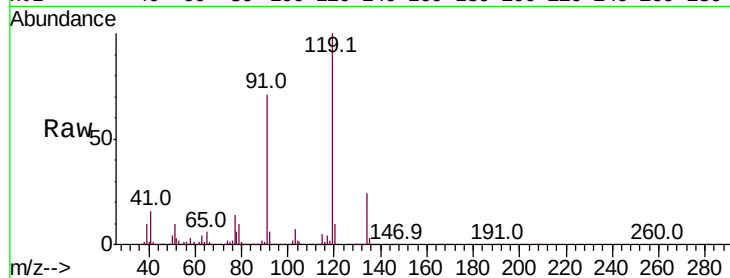
Tot Ion:119 Resp: 494851

Ion Ratio Lower Upper

119 100

91 69.6 34.8 104.4

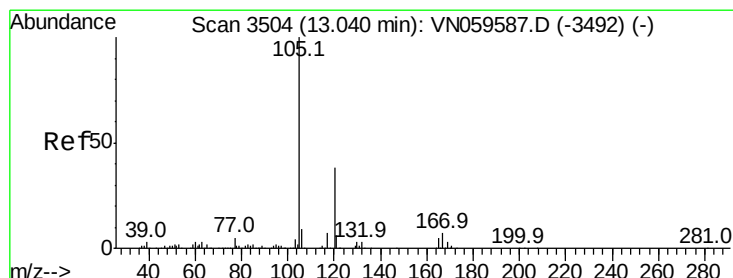
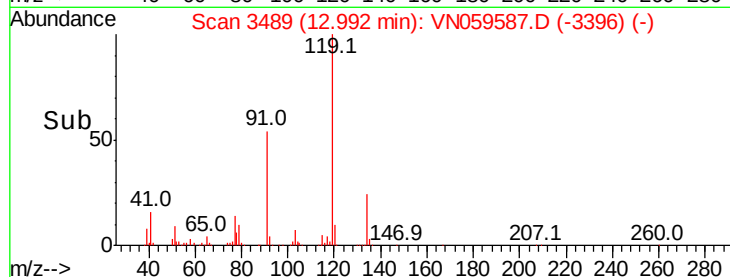
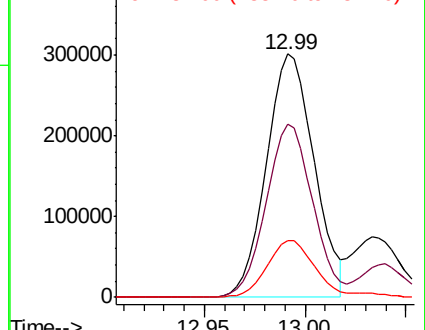
134 24.6 12.3 36.9



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 49.386 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059587.D

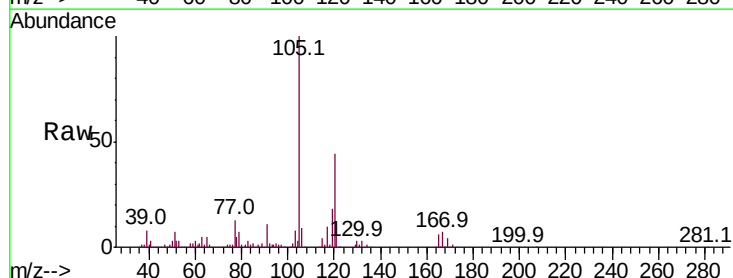
Acq: 13 Dec 2019 16:44

Tgt Ion:105 Resp: 599366

Ion Ratio Lower Upper

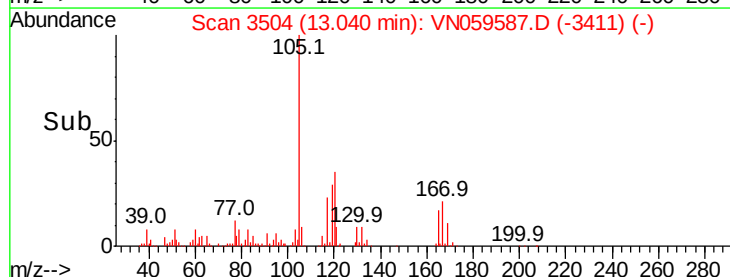
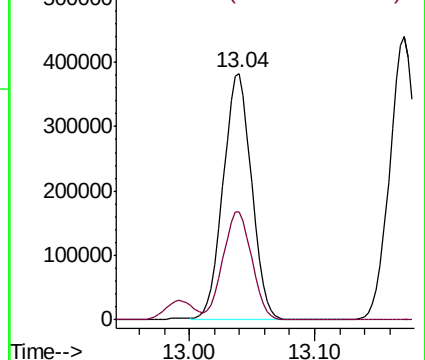
105 100

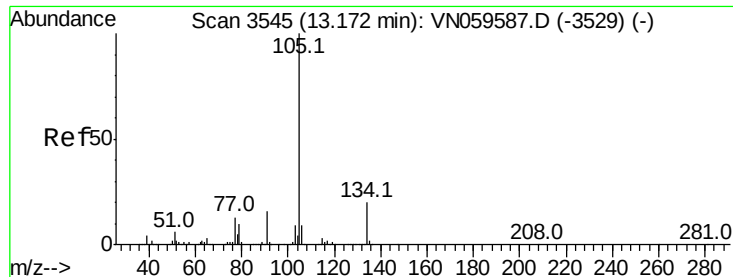
120 44.6 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 48.222 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

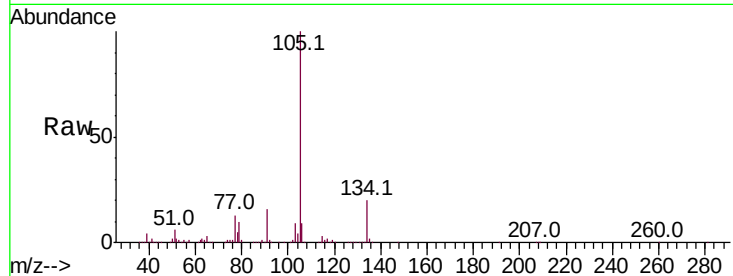
ClientSampled :

Tot Ion:105 Resp: 676615

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

13.17

400000

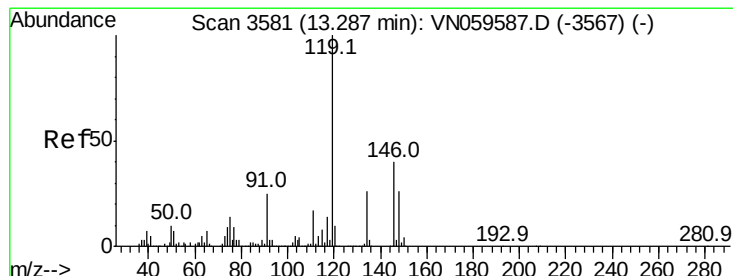
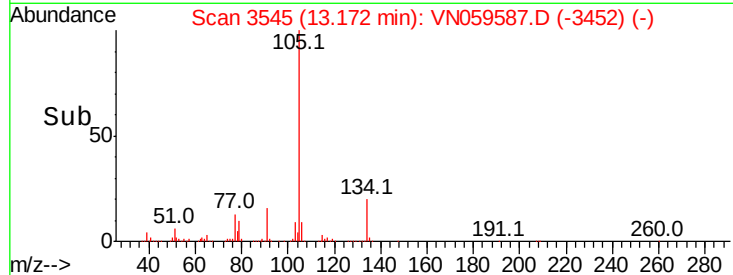
300000

200000

100000

0

Time-->



#86

p-Isopropyltoluene

Concen: 49.140 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

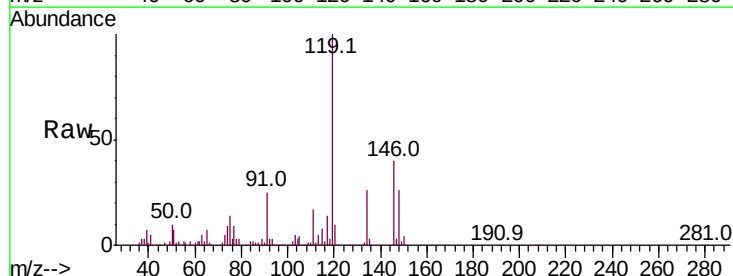
Tgt Ion:119 Resp: 615203

Ion Ratio Lower Upper

119 100

134 25.8 12.9 38.7

91 24.9 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

400000

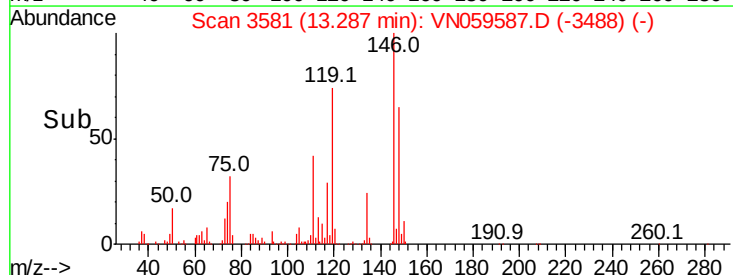
300000

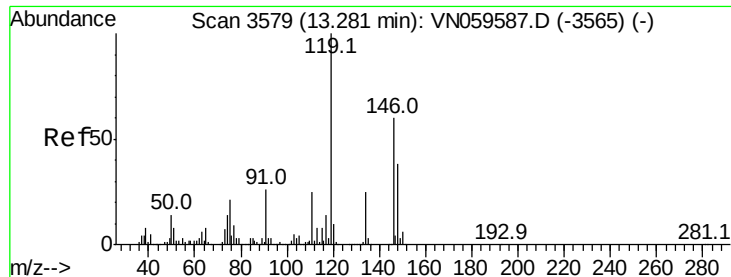
200000

100000

0

Time-->





#87

1,3-Dichlorobenzene

Concen: 46.856 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

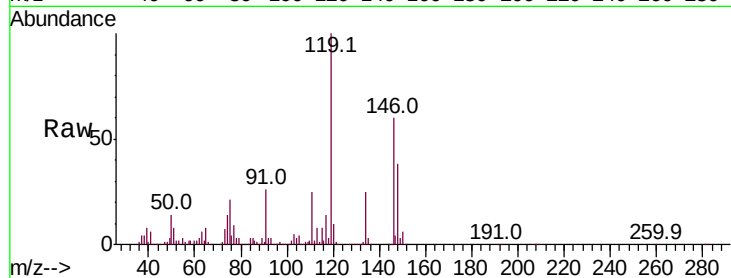
Tot Ion:146 Resp: 306292

Ion Ratio Lower Upper

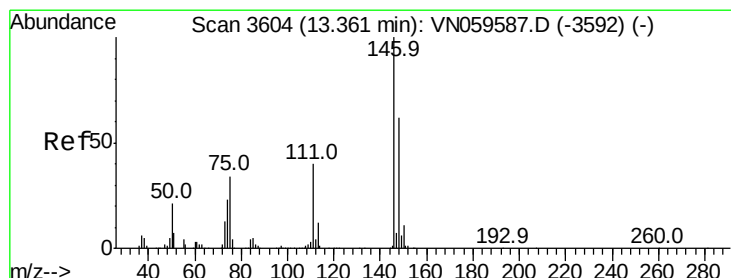
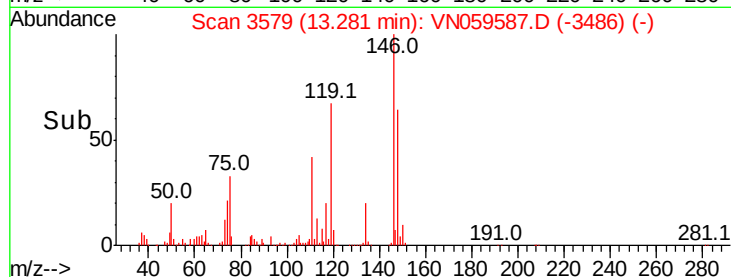
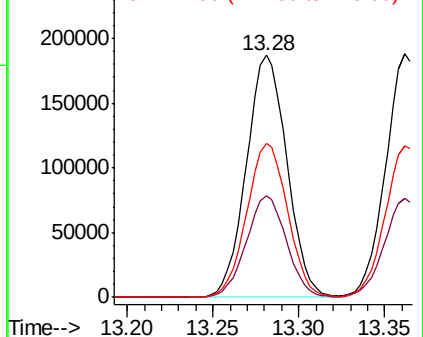
146 100

111 41.5 20.8 62.2

148 64.0 32.0 96.0



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: 47.398 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

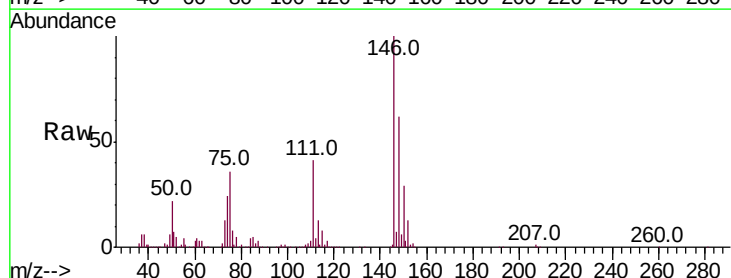
Tgt Ion:146 Resp: 302727

Ion Ratio Lower Upper

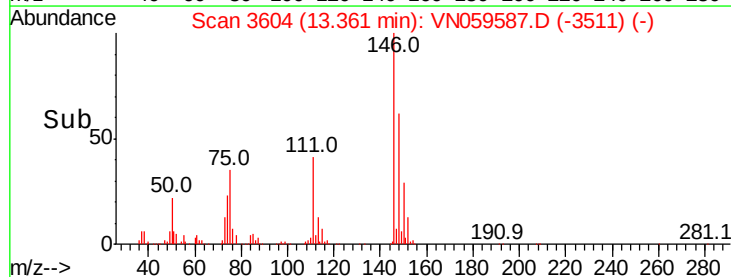
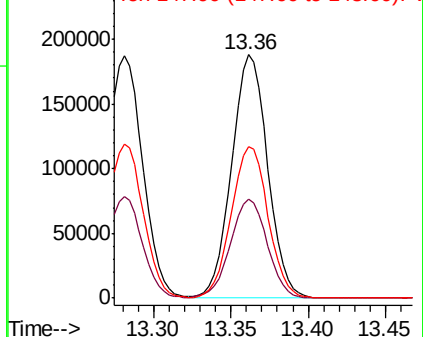
146 100

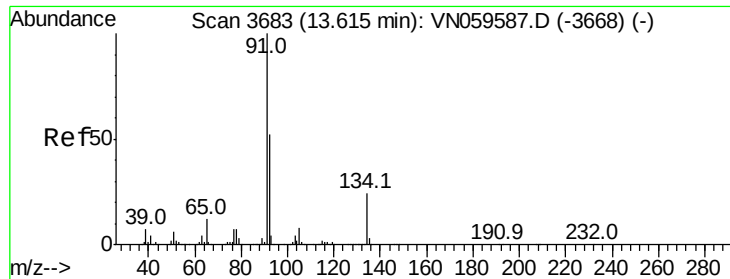
111 41.5 20.8 62.2

148 63.6 31.8 95.4



Abundance Ion 145.90 (145.60 to 146.60): V
Ion 110.90 (110.60 to 111.60): V
Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 48.270 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampled :

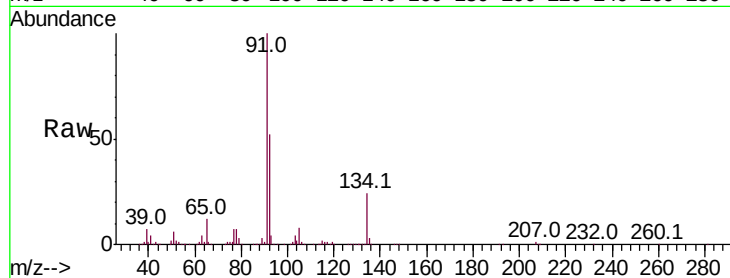
Tot Ion: 91 Resp: 569633

Ion Ratio Lower Upper

91 100

92 51.8 25.9 77.7

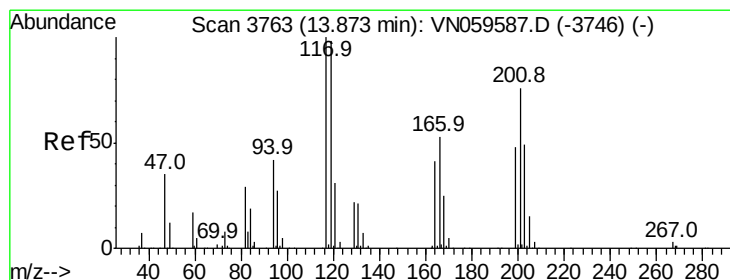
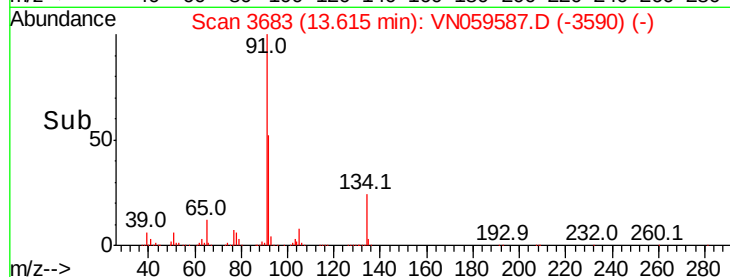
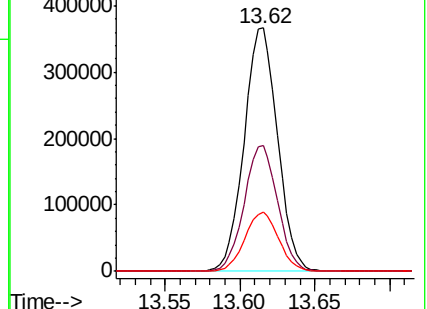
134 24.5 12.3 36.8



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: 49.891 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059587.D

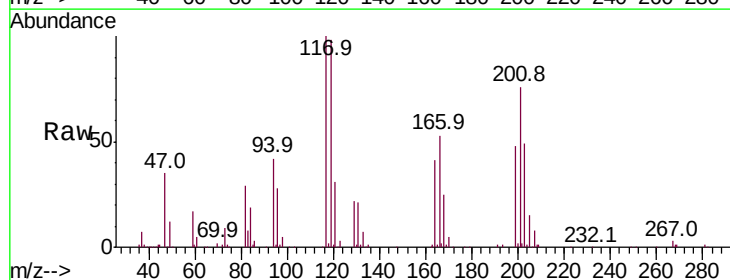
Acq: 13 Dec 2019 16:44

Tgt Ion: 117 Resp: 115425

Ion Ratio Lower Upper

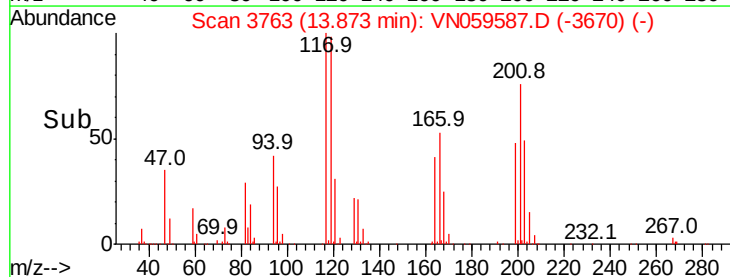
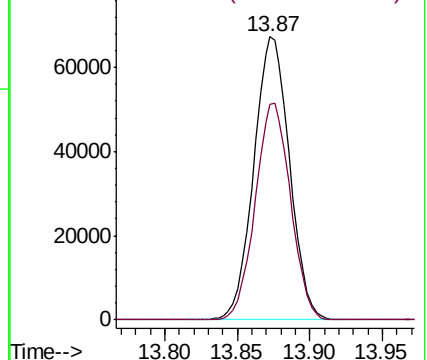
117 100

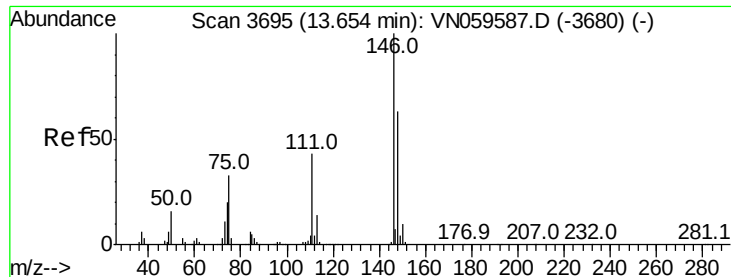
201 75.6 37.8 113.4



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

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

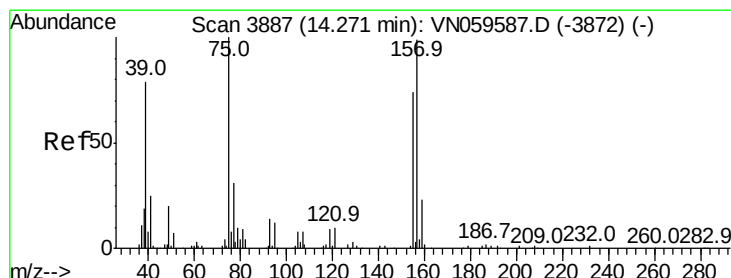
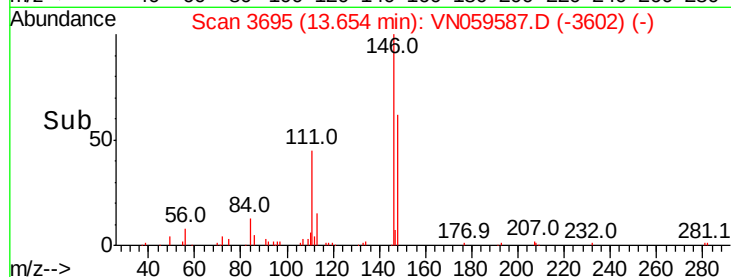
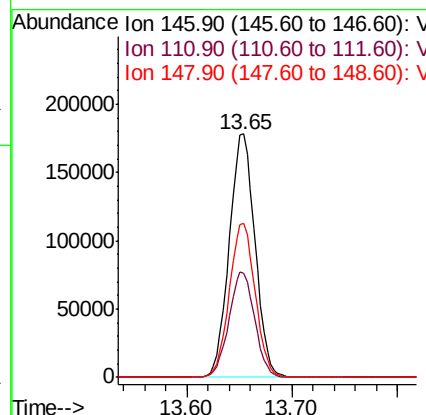
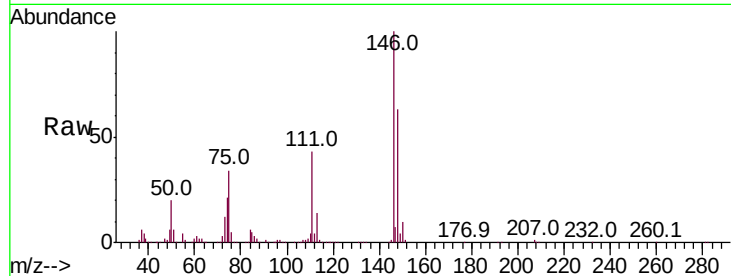




#91
 1,2-Dichlorobenzene
 Concen: 48.882 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

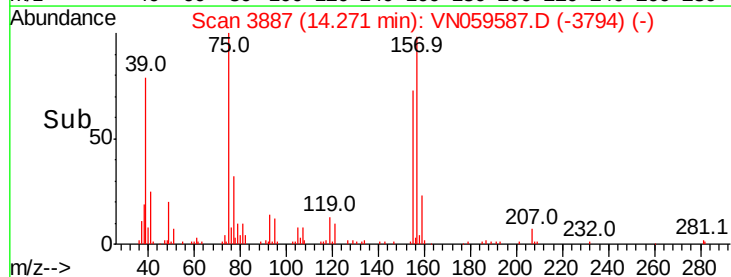
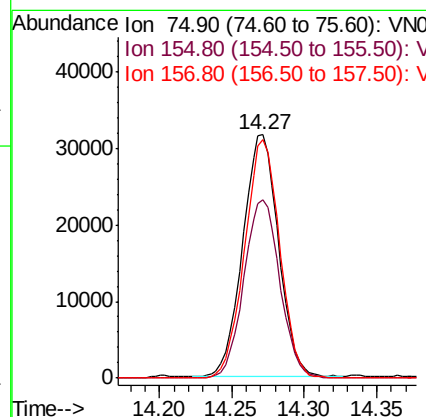
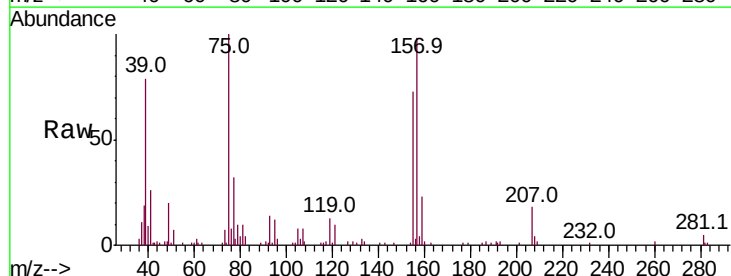
Instrument :
 MSVOA_N
 ClientSampled :

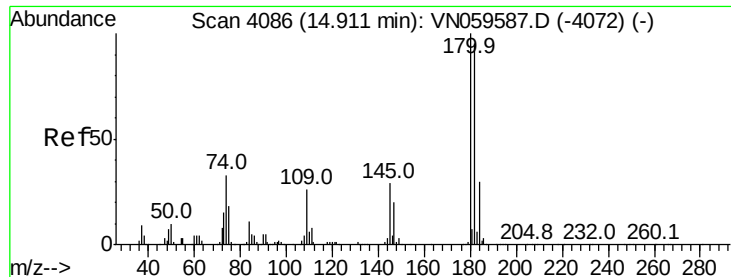
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.6	64.8
148	63.3	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 43.954 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059587.D
 Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.9	37.0	110.9
157	96.8	48.4	145.2





#93

1,2,4-Trichlorobenzene

Concen: 44.735 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

Instrument :

MSVOA_N

ClientSampleId :

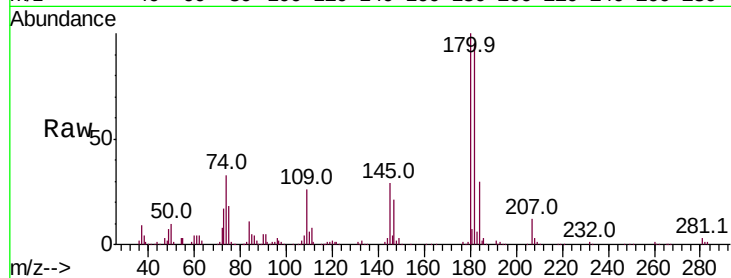
Tot Ion:180 Resp: 187362

Ion Ratio Lower Upper

180 100

182 93.8 46.9 140.7

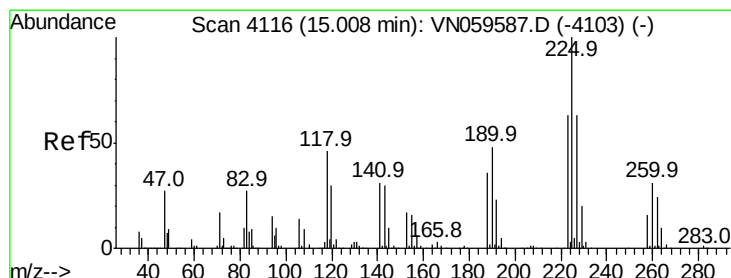
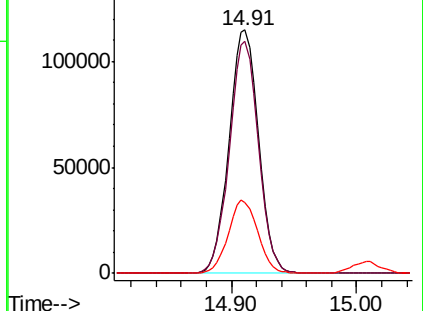
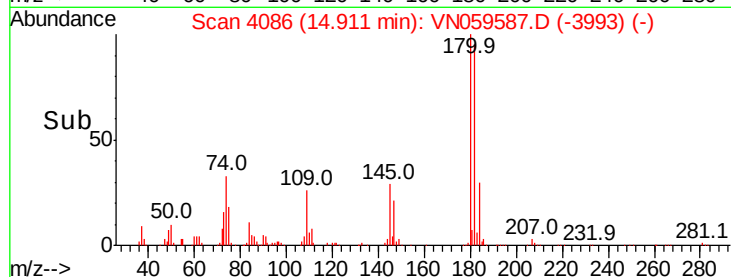
145 30.1 15.0 45.1



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: 44.150 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN059587.D

Acq: 13 Dec 2019 16:44

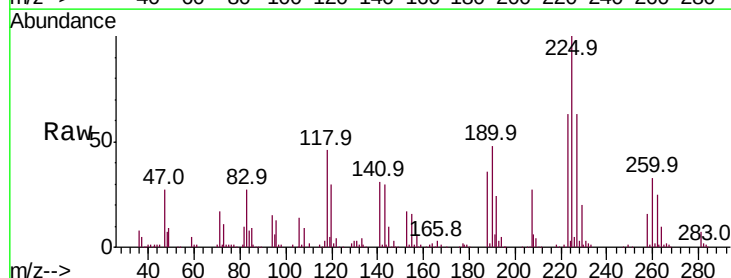
Tgt Ion:225 Resp: 93353

Ion Ratio Lower Upper

225 100

223 63.5 31.8 95.3

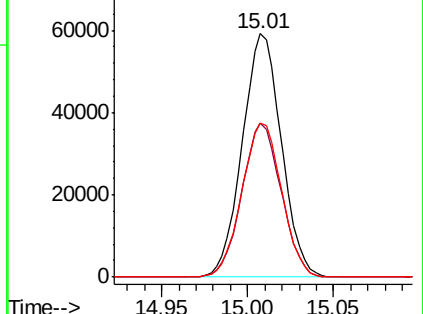
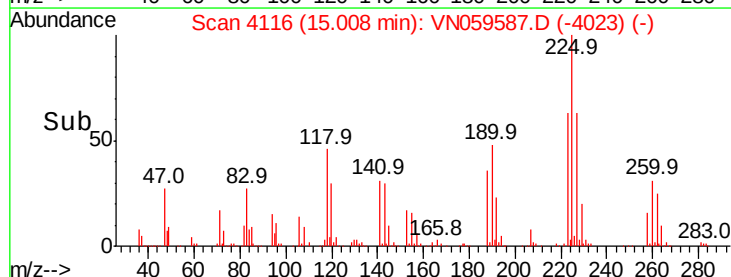
227 64.3 32.1 96.5

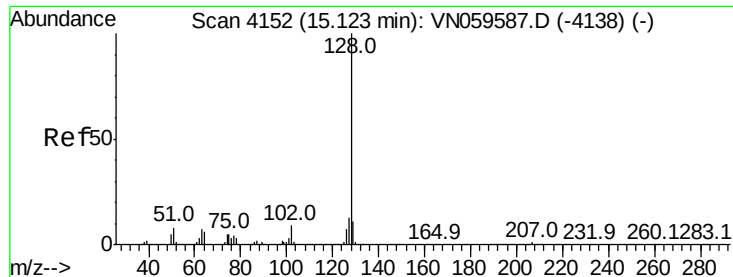


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

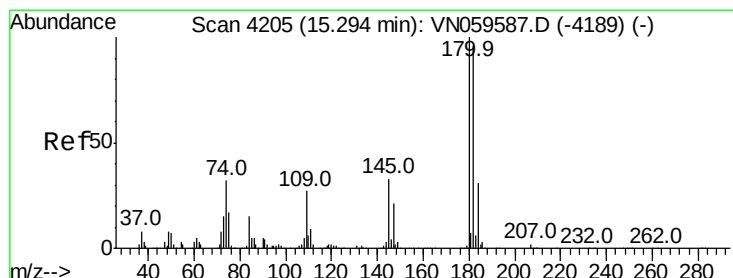
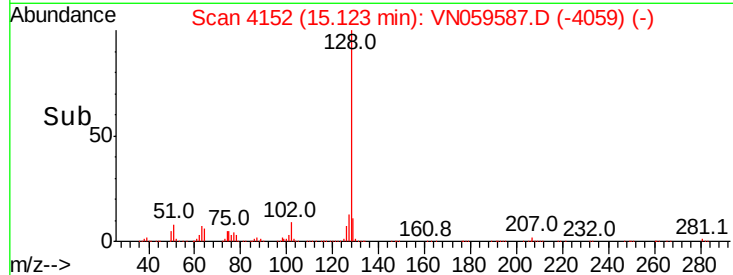
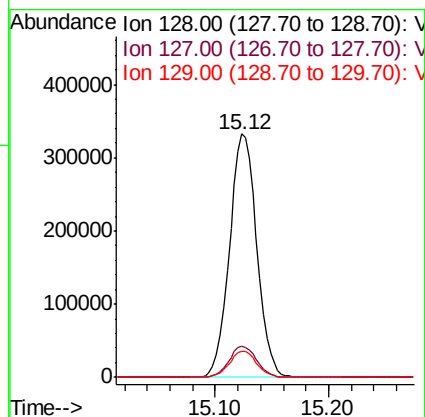
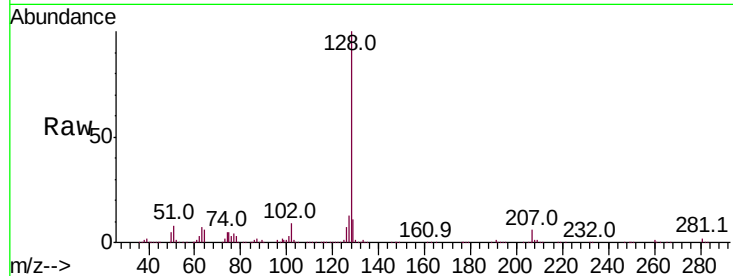




#95
Naphthalene
Concen: 45.010 ug/l
RT: 15.12 min Scan# 4152
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.0	10.4	15.6
129	10.7	8.6	12.8



#96
1,2,3-Trichlorobenzene
Concen: 41.764 ug/l
RT: 15.29 min Scan# 4205
Delta R.T. 0.00 min
Lab File: VN059587.D
Acq: 13 Dec 2019 16:44

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	47.4	142.3
145	32.6	16.3	48.9

