

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
 Data File : VN059586.D
 Acq On : 13 Dec 2019 16:22
 Operator : JC/SP
 Sample : VSTDIC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 13 17:26:26 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	260146	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	420665	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	382536	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176388	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.00	65	74952	20.06	ug/l	0.00
Spiked Amount						
			Recovery	=	40.12%	
35) Dibromofluoromethane	7.57	113	52366	20.50	ug/l	0.00
Spiked Amount						
			Recovery	=	41.00%	
50) Toluene-d8	10.08	98	204648	19.49	ug/l	0.00
Spiked Amount						
			Recovery	=	38.98%	
62) 4-Bromofluorobenzene	12.40	95	72192	19.02	ug/l	0.00
Spiked Amount						
			Recovery	=	38.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	61618	19.921	ug/l	98
3) Chloromethane	2.04	50	98124	20.718	ug/l	100
4) Vinyl Chloride	2.17	62	93938	20.331	ug/l	100
5) Bromomethane	2.54	94	54472	19.290	ug/l	99
6) Chloroethane	2.68	64	55215	20.144	ug/l	99
7) Trichlorofluoromethane	2.99	101	104242	18.947	ug/l	98
8) Diethyl Ether	3.39	74	32031	17.117	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	51203	18.033	ug/l	99
10) Methyl Iodide	3.92	142	67938	17.507	ug/l	99
11) Tert butyl alcohol	4.75	59	62658	99.289	ug/l	99
12) 1,1-Dichloroethene	3.71	96	49304	17.762	ug/l	99
13) Acrolein	3.58	56	47587	132.261	ug/l	97
14) Allyl chloride	4.29	41	96865	18.191	ug/l	99
15) Acrylonitrile	4.95	53	157507	96.873	ug/l	99
16) Acetone	3.79	43	210161	114.439	ug/l	97
17) Carbon Disulfide	4.03	76	159592	15.655	ug/l	98
18) Methyl Acetate	4.29	43	84057	18.385	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	176147	19.109	ug/l	100
20) Methylene Chloride	4.52	84	57948	16.474	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	54520	18.360	ug/l	97
22) Diisopropyl ether	5.92	45	191636	18.913	ug/l	97
23) Vinyl Acetate	5.86	43	790140	94.151	ug/l	99
24) 1,1-Dichloroethane	5.82	63	108611	18.858	ug/l	98
25) 2-Butanone	6.81	43	249474	104.729	ug/l	99
26) 2,2-Dichloropropane	6.80	77	97326	18.692	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	62177	18.590	ug/l	98
28) Bromochloromethane	7.17	49	47453	25.301	ug/l	98
29) Tetrahydrofuran	7.18	42	150572	92.641	ug/l	99
30) Chloroform	7.35	83	107121	18.860	ug/l	97
31) Cyclohexane	7.63	56	98193	17.539	ug/l	# 92
32) 1,1,1-Trichloroethane	7.54	97	94440	18.734	ug/l	99
36) 1,1-Dichloropropene	7.77	75	81300	18.550	ug/l	99
37) Ethyl Acetate	6.90	43	93559	20.484	ug/l	99
38) Carbon Tetrachloride	7.75	117	83334	19.239	ug/l	98

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	88778	18.079	ug/l	97
40) Benzene	8.02	78	237227	18.908	ug/l	99
41) Methacrylonitrile	7.18	41	136850	63.975	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	90131	19.243	ug/l	100
43) Isopropyl Acetate	8.14	43	144147	18.982	ug/l	100
44) Trichloroethene	8.82	130	60992	19.183	ug/l	98
45) 1,2-Dichloropropane	9.10	63	62780	18.901	ug/l	98
46) Dibromomethane	9.19	93	41361	18.791	ug/l	99
47) Bromodichloromethane	9.39	83	84033	19.245	ug/l	99
48) Methyl methacrylate	9.18	41	63963	19.186	ug/l	99
49) 1,4-Dioxane	9.18	88	20161	452.124	ug/l	98
51) 4-Methyl-2-Pentanone	9.97	43	453306	102.674	ug/l	99
52) Toluene	10.15	92	141991	18.965	ug/l	100
53) t-1,3-Dichloropropene	10.37	75	94826	18.615	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	100760	19.298	ug/l	98
55) 1,1,2-Trichloroethane	10.55	97	56976	18.812	ug/l	99
56) Ethyl methacrylate	10.42	69	83147	18.576	ug/l	99
57) 1,3-Dichloropropane	10.70	76	99771	19.281	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.68	63	162284	114.487	ug/l	100
59) 2-Hexanone	10.74	43	357138	106.739	ug/l	99
60) Dibromochloromethane	10.90	129	61368	18.690	ug/l	99
61) 1,2-Dibromoethane	11.00	107	59130	18.781	ug/l	99
64) Tetrachloroethene	10.63	164	59259	19.964	ug/l	98
65) Chlorobenzene	11.43	112	150472	18.422	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	56840	18.627	ug/l	98
67) Ethyl Benzene	11.51	91	274379	18.695	ug/l	99
68) m/p-Xylenes	11.62	106	202128	37.177	ug/l	99
69) o-Xylene	11.94	106	96291	18.968	ug/l	100
70) Styrene	11.96	104	149059	17.731	ug/l	97
71) Bromoform	12.12	173	41946	17.731	ug/l #	95
73) Isopropylbenzene	12.25	105	254551	18.461	ug/l	99
74) N-amyl acetate	12.07	43	118813	19.668	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	81633	17.740	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	119988	25.853	ug/l #	100
77) Bromobenzene	12.52	156	61798	18.272	ug/l	99
78) n-propylbenzene	12.59	91	304187	18.148	ug/l	99
79) 2-Chlorotoluene	12.67	91	180347	18.026	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	217285	18.623	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	31515	17.934	ug/l	98
82) 4-Chlorotoluene	12.77	91	185645	18.217	ug/l	99
83) tert-Butylbenzene	12.99	119	181318	18.671	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	214823	18.668	ug/l	100
85) sec-Butylbenzene	13.17	105	242919	18.259	ug/l	99
86) p-Isopropyltoluene	13.29	119	218365	18.396	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	110875	17.889	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	110106	18.182	ug/l	100
89) n-Butylbenzene	13.62	91	199976	17.872	ug/l	98
90) Hexachloroethane	13.87	117	40898	18.644	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	109211	18.706	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	19544	16.750	ug/l	96

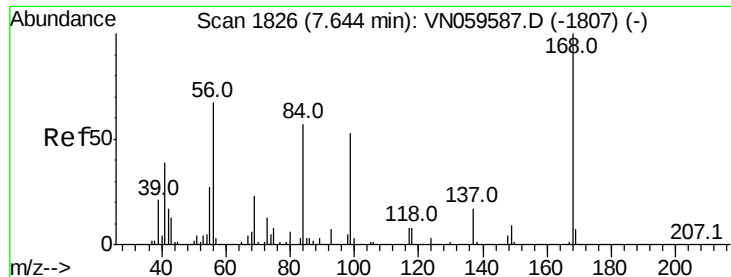
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121319\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	65171	16.411	ug/l	99
94) Hexachlorobutadiene	15.01	225	36503	18.207	ug/l	98
95) Naphthalene	15.13	128	190679	16.298	ug/l	100
96) 1,2,3-Trichlorobenzene	15.29	180	63526	15.565	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

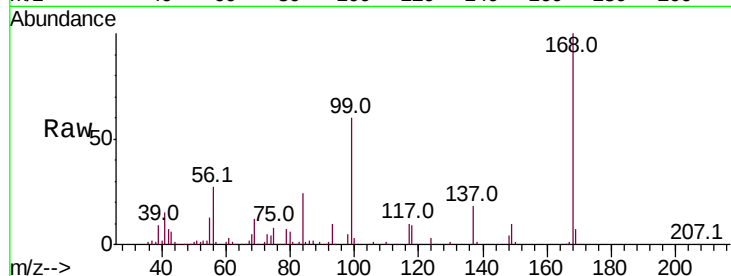
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 260146

Ion Ratio Lower Upper

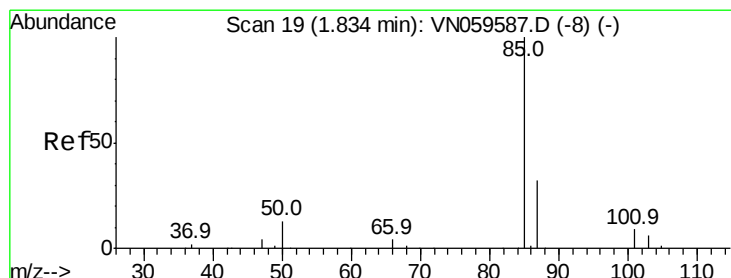
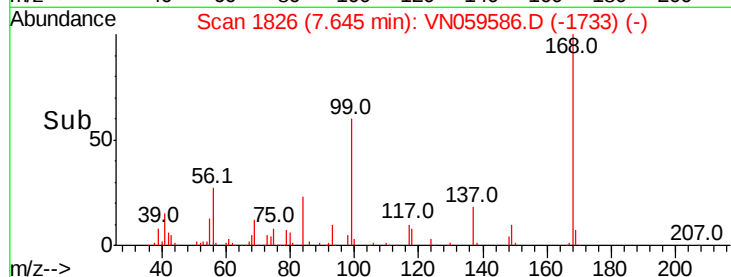
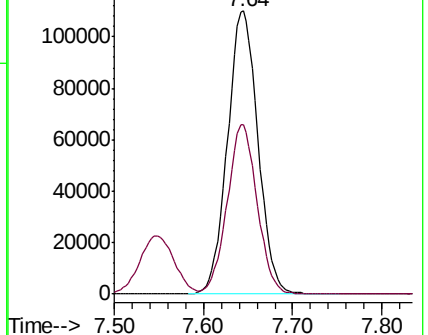
168 100

99 59.8 48.2 72.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.921 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN059586.D

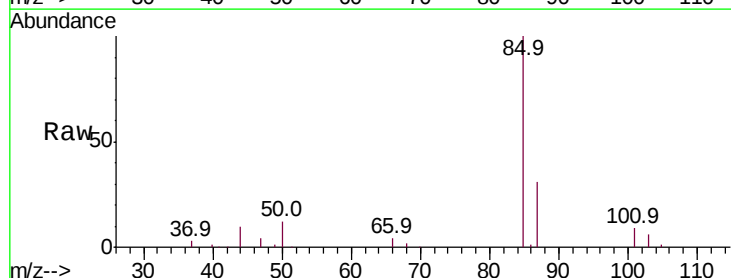
Acq: 13 Dec 2019 16:22

Tgt Ion: 85 Resp: 61618

Ion Ratio Lower Upper

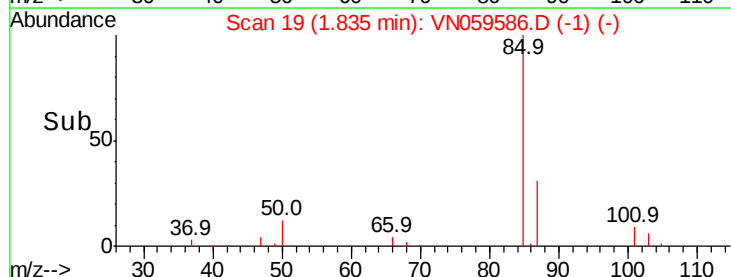
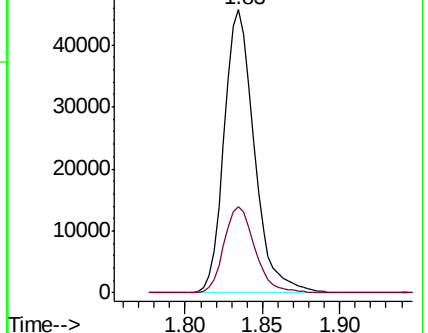
85 100

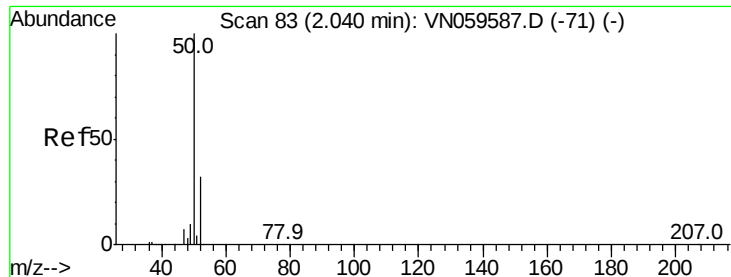
87 30.7 15.9 47.7



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.718 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

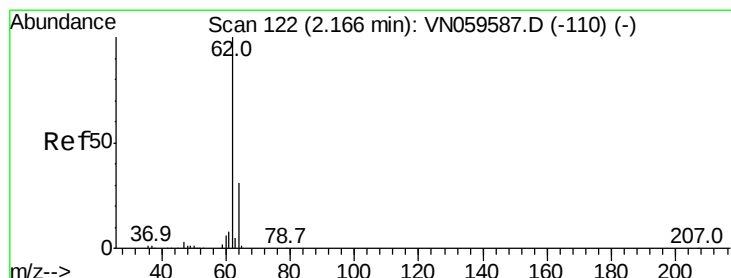
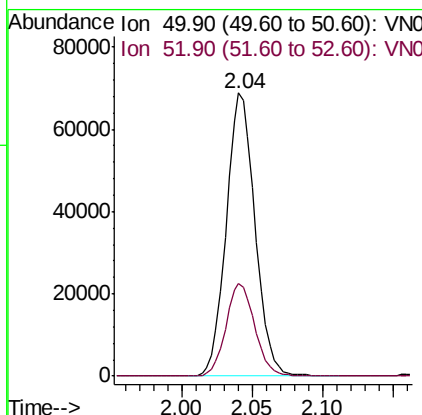
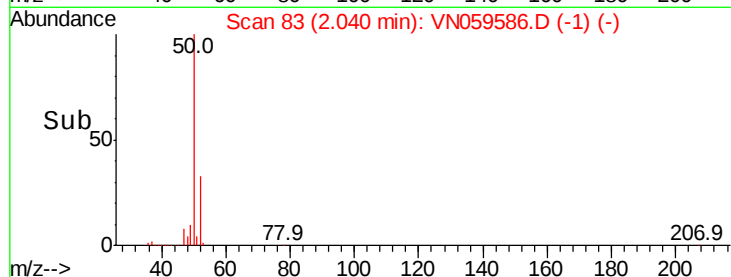
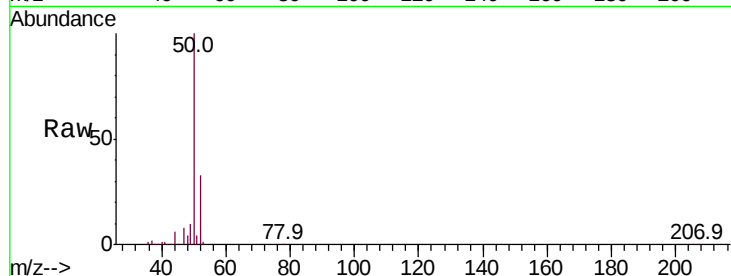
ClientSampleId :

Tot Ion: 50 Resp: 98124

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



#4

Vinyl Chloride

Concen: 20.331 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN059586.D

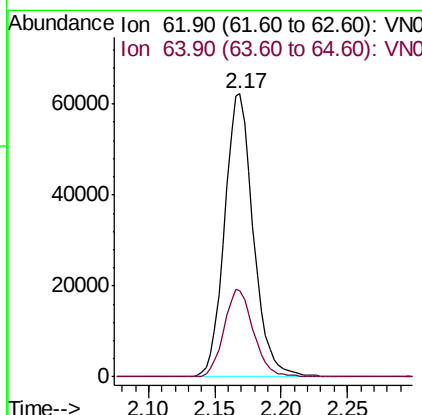
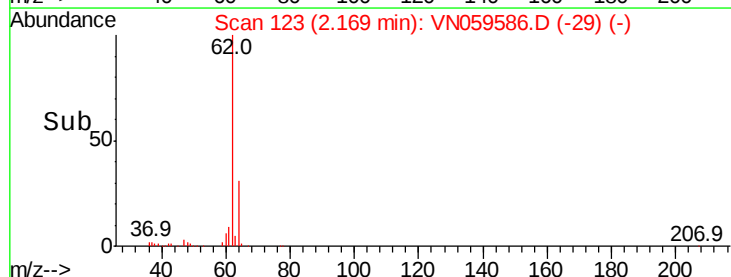
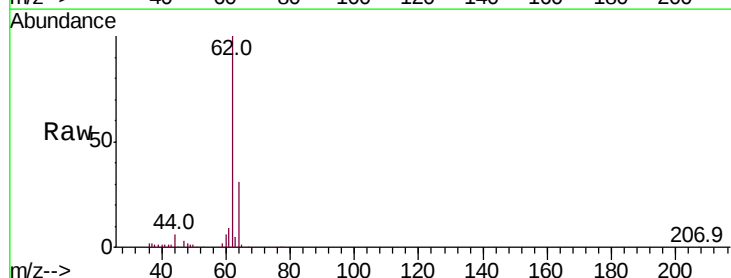
Acq: 13 Dec 2019 16:22

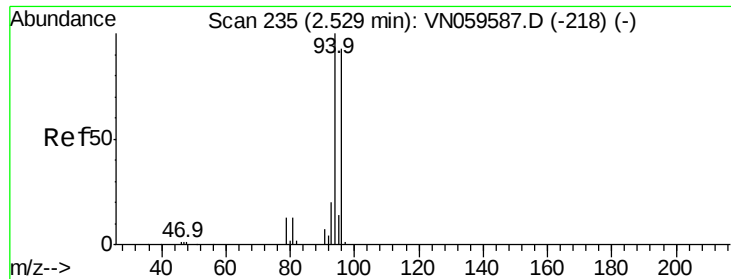
Tgt Ion: 62 Resp: 93938

Ion Ratio Lower Upper

62 100

64 30.7 24.6 37.0





#5

Bromomethane

Concen: 19.290 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

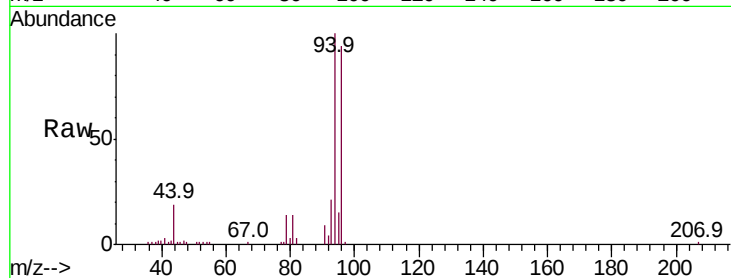
ClientSampleId :

Tot Ion: 94 Resp: 54472

Ion Ratio Lower Upper

94 100

96 94.3 74.7 112.1



Abundance Ion 93.90 (93.60 to 94.60): VN059587.D (-218) (-)

Ion 95.90 (95.60 to 96.60): VN059586.D (-142) (-)

2.54

25000

20000

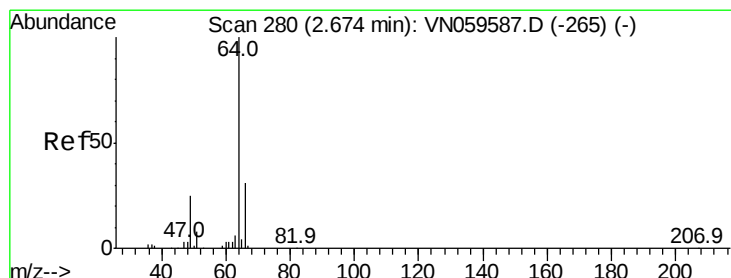
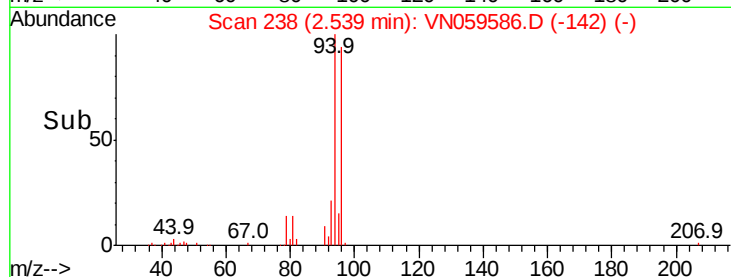
15000

10000

5000

0

Time-->



#6

Chloroethane

Concen: 20.144 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN059586.D

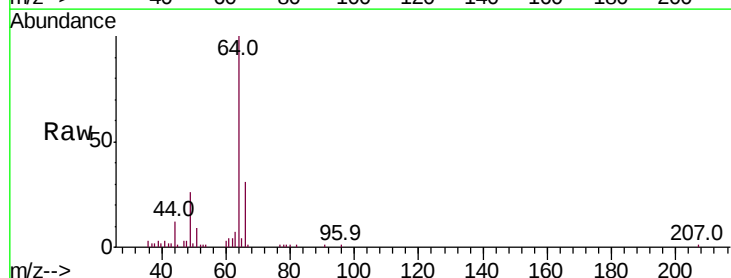
Acq: 13 Dec 2019 16:22

Tgt Ion: 64 Resp: 55215

Ion Ratio Lower Upper

64 100

66 30.8 25.1 37.7



Abundance Ion 63.90 (63.60 to 64.60): VN059587.D (-265) (-)

Ion 65.90 (65.60 to 66.60): VN059586.D (-187) (-)

2.68

30000

25000

20000

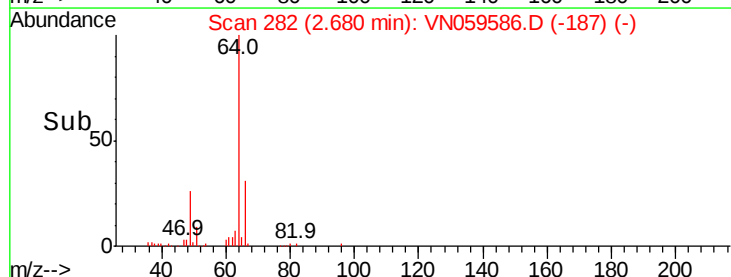
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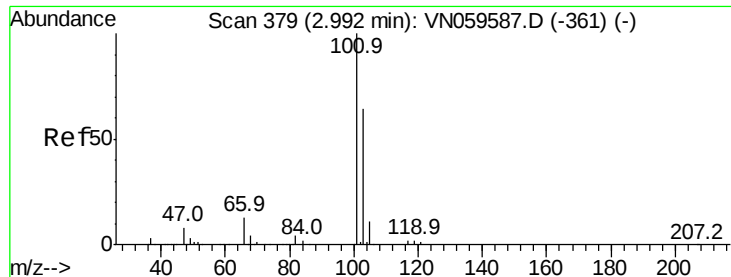
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5000

0

Time-->



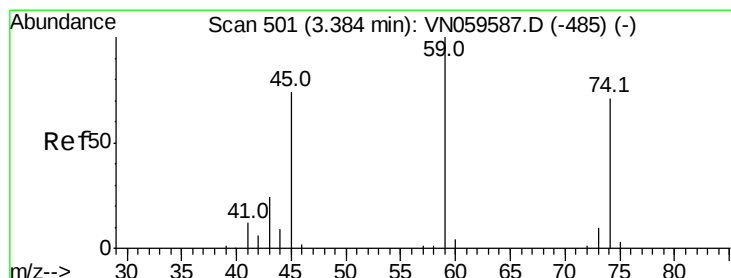
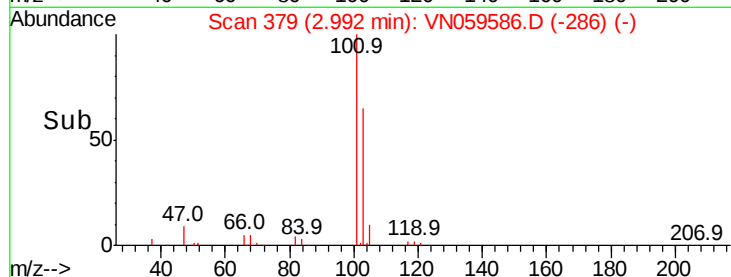
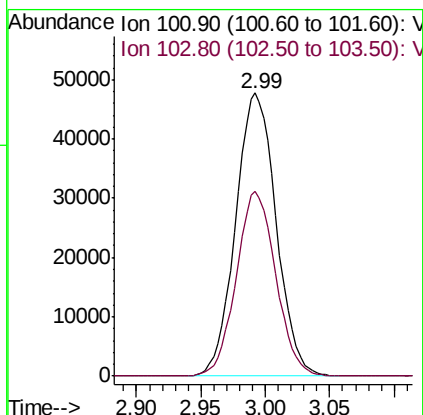
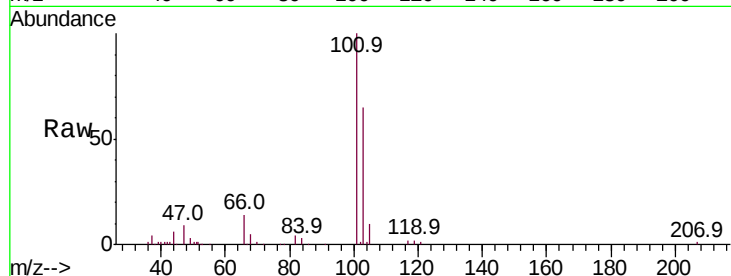


#7

Trichlorofluoromethane
 Concen: 18.947 ug/l
 RT: 2.99 min Scan# 379
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampled :

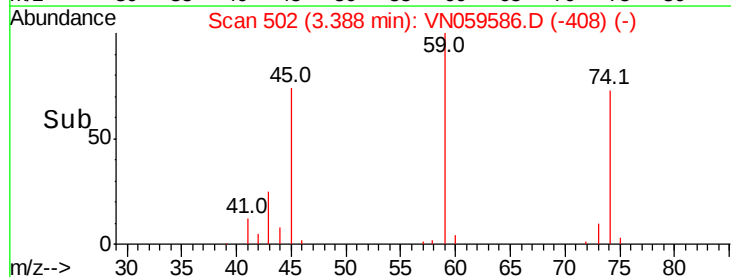
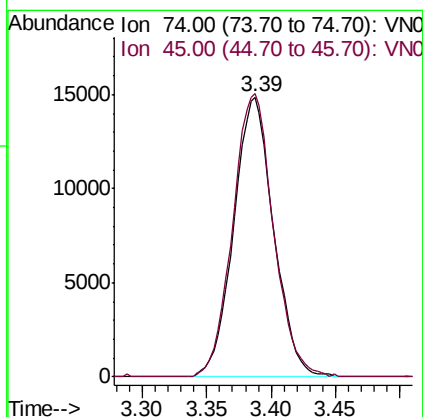
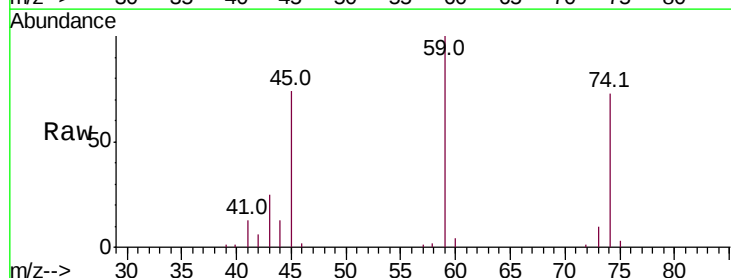
Tot Ion:101 Resp: 104242
 Ion Ratio Lower Upper
 101 100
 103 65.3 51.0 76.6

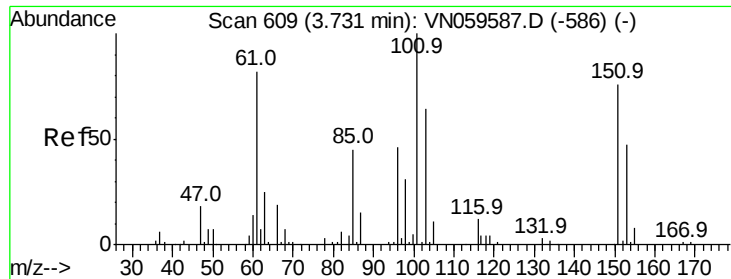


#8

Diethyl Ether
 Concen: 17.117 ug/l
 RT: 3.39 min Scan# 502
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 74 Resp: 32031
 Ion Ratio Lower Upper
 74 100
 45 103.3 51.9 155.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 18.033 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

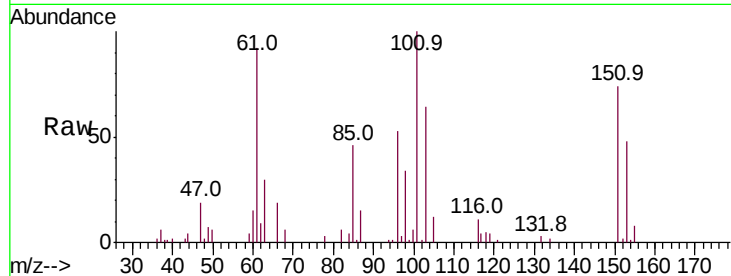
Tot Ion:101 Resp: 51203

Ion Ratio Lower Upper

101 100

85 45.1 36.6 54.8

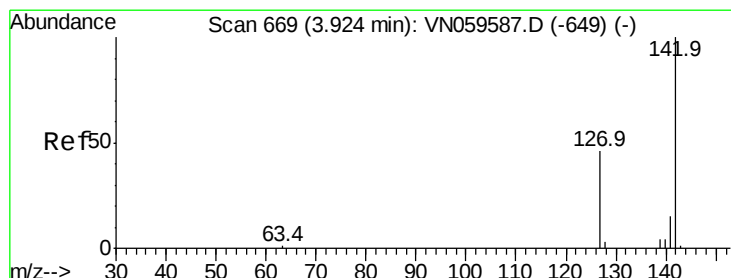
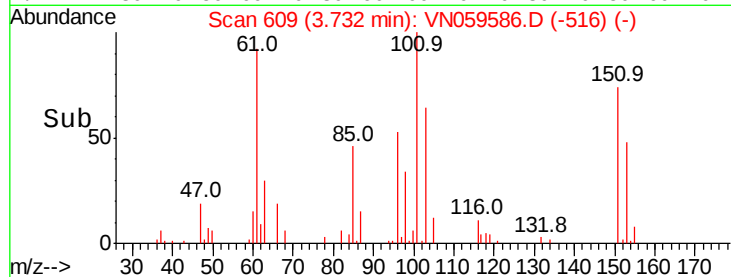
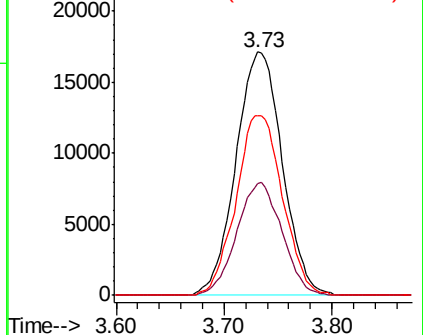
151 74.1 59.7 89.5



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 17.507 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

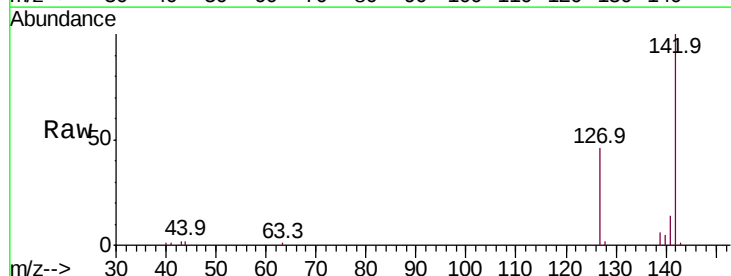
Tgt Ion:142 Resp: 67938

Ion Ratio Lower Upper

142 100

127 45.7 36.7 55.1

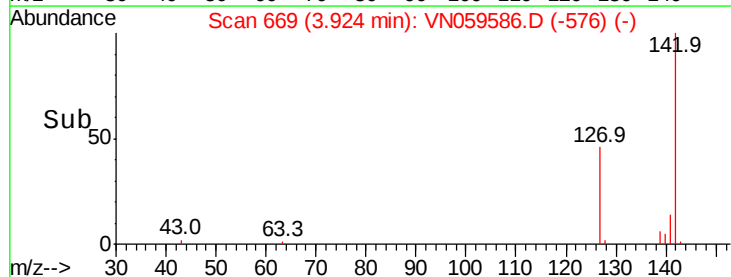
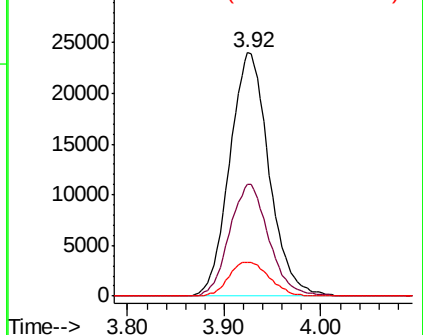
141 14.2 11.7 17.5

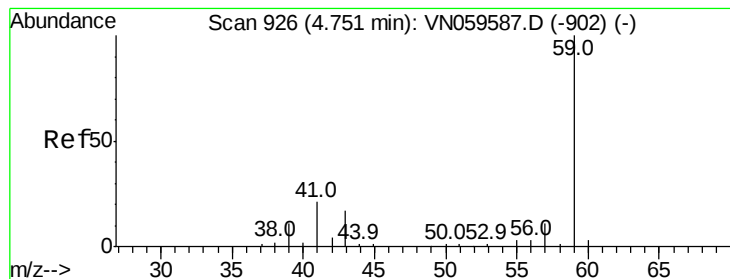


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



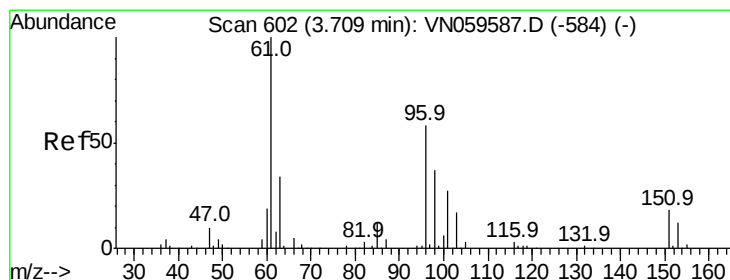
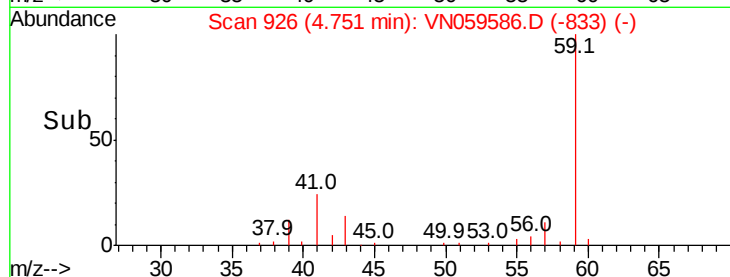
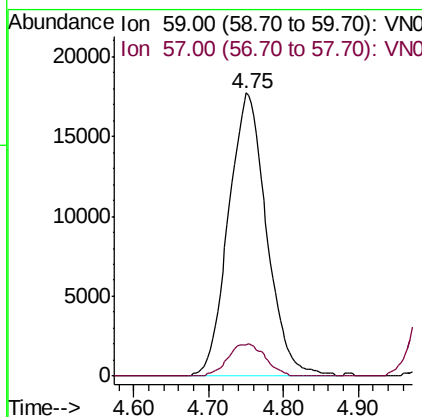
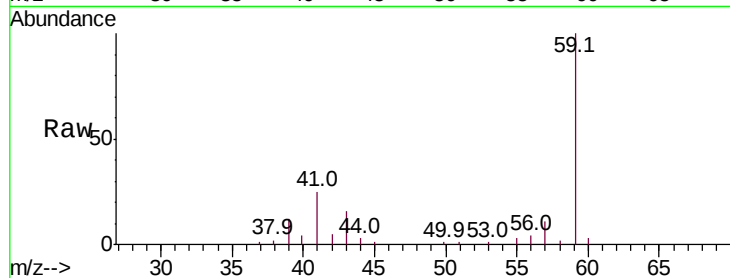


#11

Tert butyl alcohol
 Concen: 99.289 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampleId :

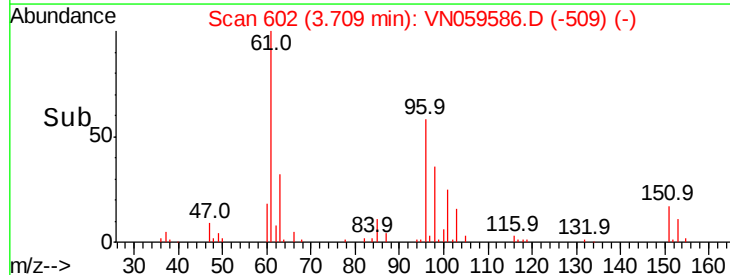
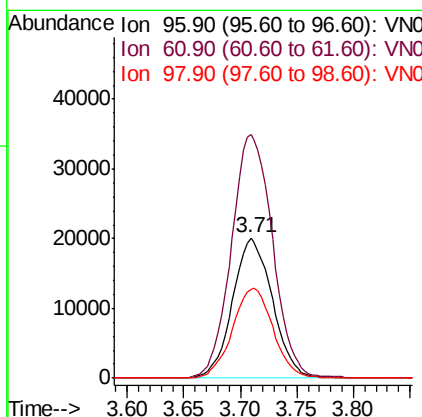
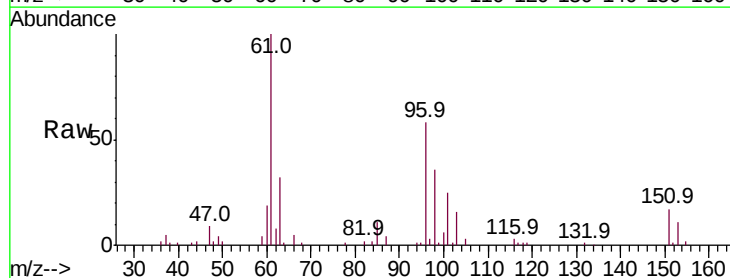
Tot Ion: 59 Resp: 62658
 Ion Ratio Lower Upper
 59 100
 57 11.1 8.6 12.8

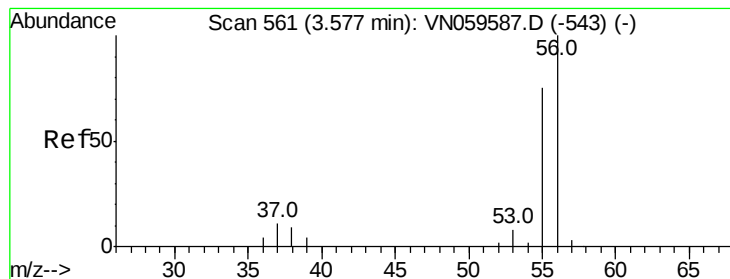


#12

1,1-Dichloroethene
 Concen: 17.762 ug/l
 RT: 3.71 min Scan# 602
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 96 Resp: 49304
 Ion Ratio Lower Upper
 96 100
 61 173.5 137.5 206.3
 98 63.1 50.2 75.4





#13

Acrolein

Concen: 132.261 ug/l

RT: 3.58 min Scan# 562

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

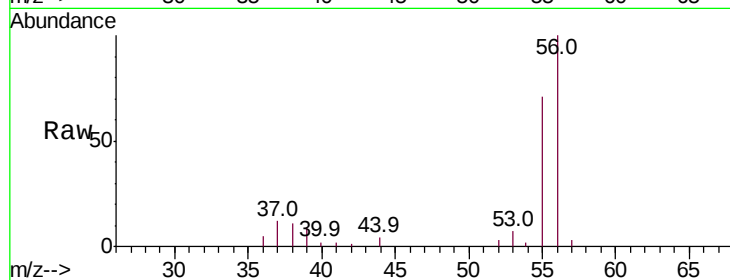
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 47587

Ion Ratio Lower Upper

56 100

55 70.9 58.6 88.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

20000

15000

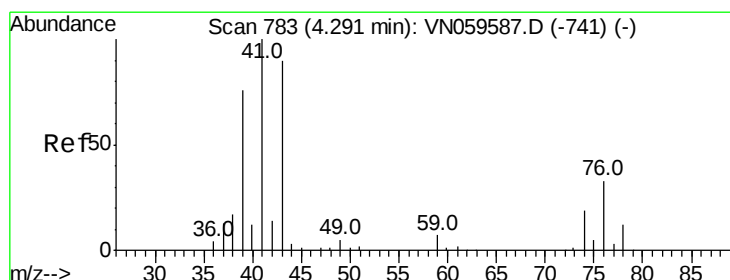
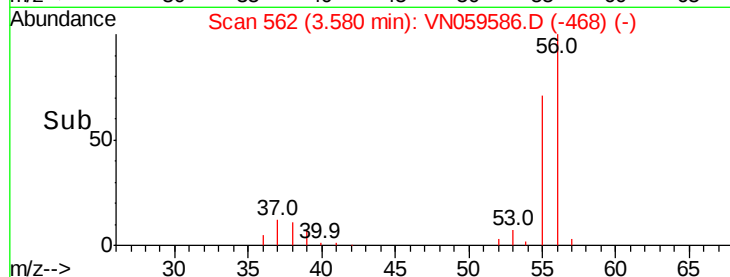
10000

5000

0

3.50 3.60 3.70

Time-->



#14

Allyl chloride

Concen: 18.191 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

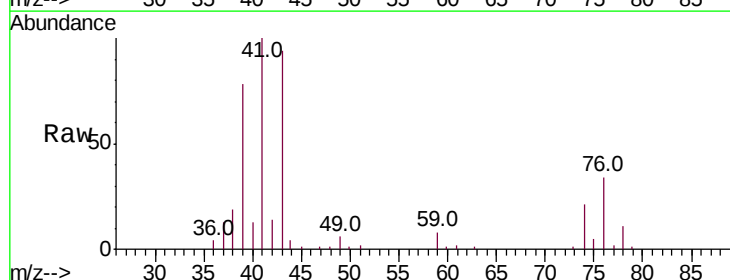
Tgt Ion: 41 Resp: 96865

Ion Ratio Lower Upper

41 100

39 73.1 57.8 86.8

76 31.1 25.4 38.0



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.29

40000

30000

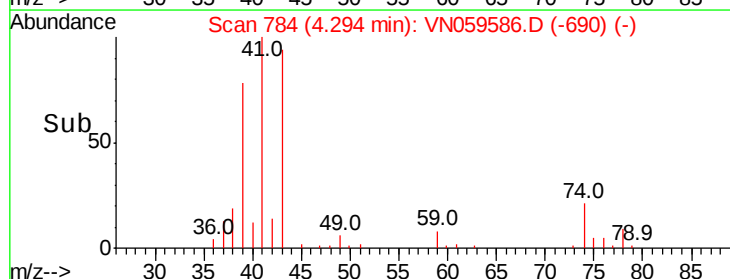
20000

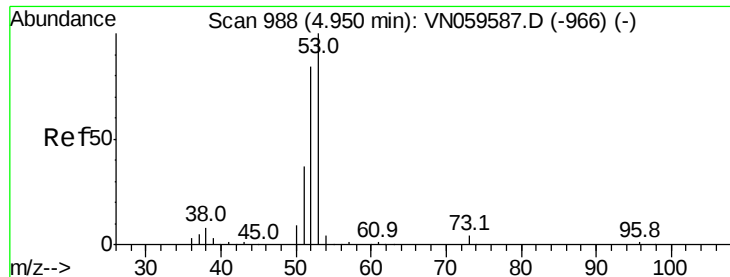
10000

0

4.10 4.20 4.30 4.40

Time-->





#15

Acrylonitrile

Concen: 96.873 ug/l

RT: 4.95 min Scan# 988

Delta R.T. 0.00 min

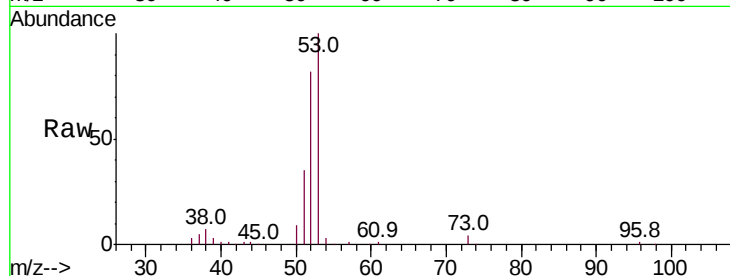
Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 53 Resp: 157507

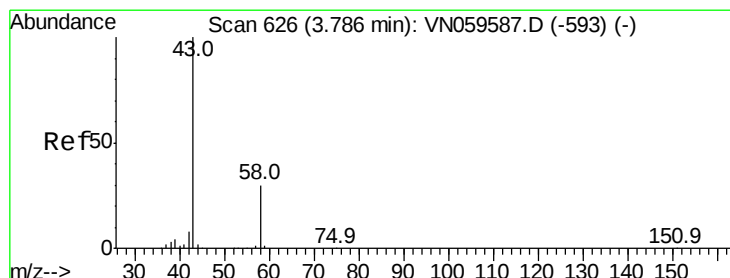
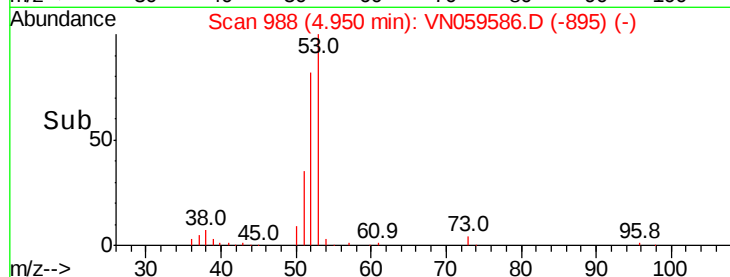
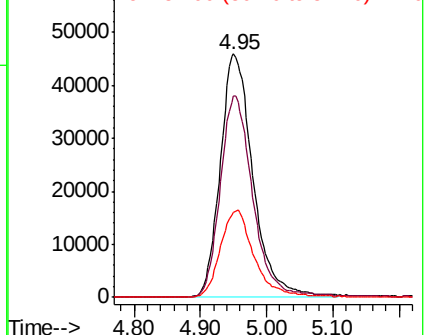
Ion	Ratio	Lower	Upper
53	100		
52	82.3	66.3	99.5
51	36.9	29.7	44.5



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: 114.439 ug/l

RT: 3.79 min Scan# 627

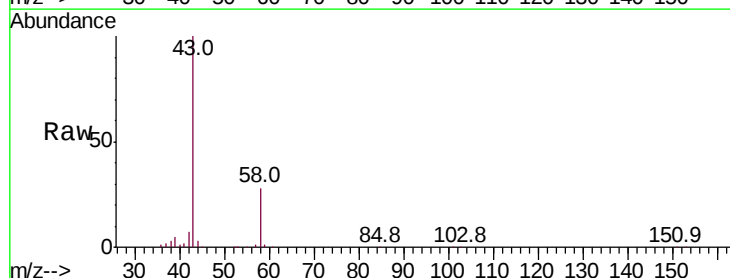
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

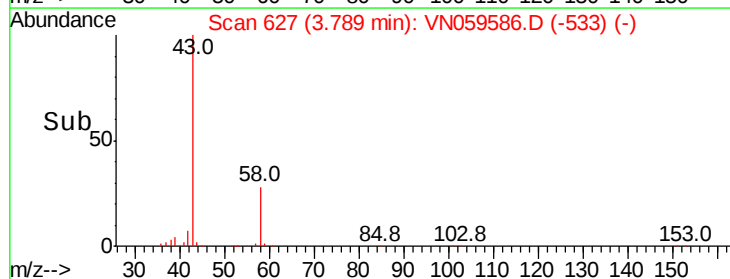
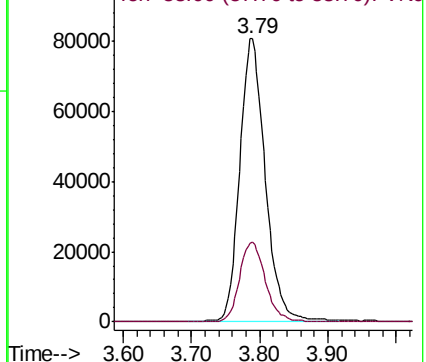
Tgt Ion: 43 Resp: 210161

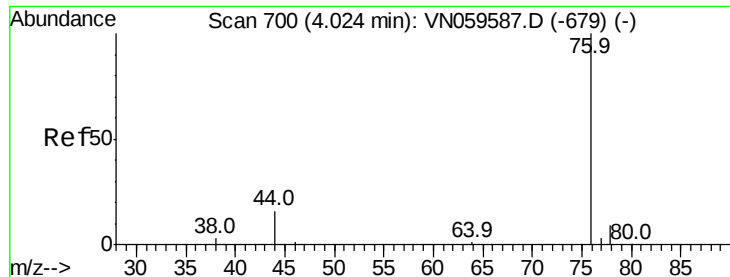
Ion	Ratio	Lower	Upper
43	100		
58	28.0	23.6	35.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 15.655 ug/l

RT: 4.03 min Scan# 701

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

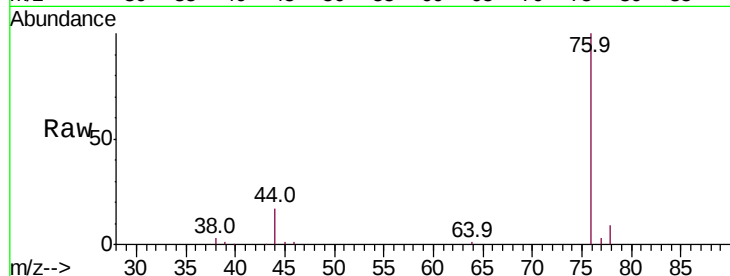
ClientSampled :

Tot Ion: 76 Resp: 159592

Ion Ratio Lower Upper

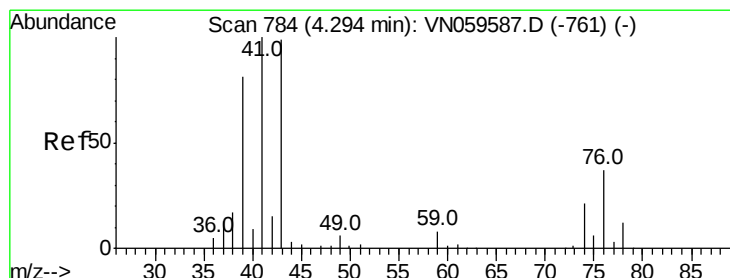
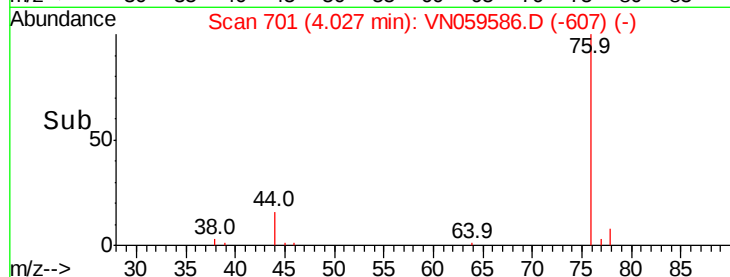
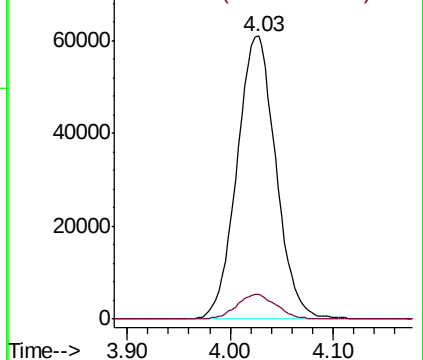
76 100

78 8.7 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 18.385 ug/l

RT: 4.29 min Scan# 784

Delta R.T. 0.00 min

Lab File: VN059586.D

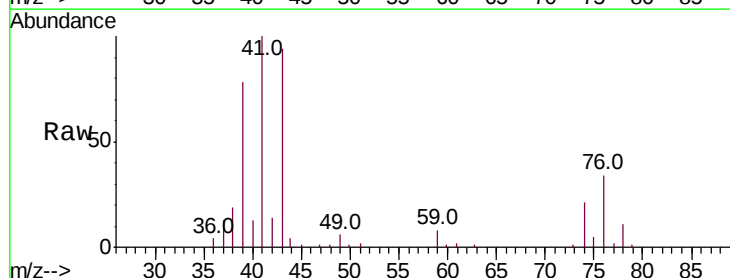
Acq: 13 Dec 2019 16:22

Tgt Ion: 43 Resp: 84057

Ion Ratio Lower Upper

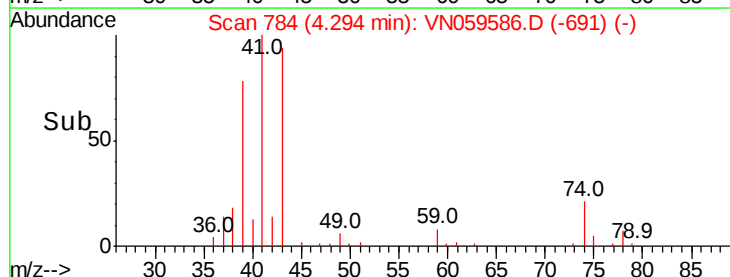
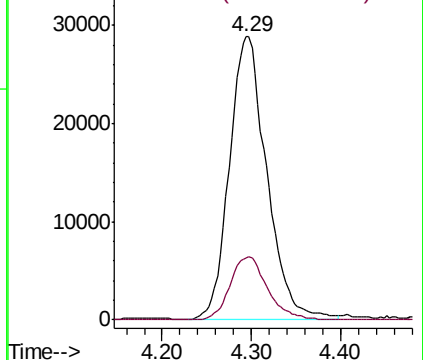
43 100

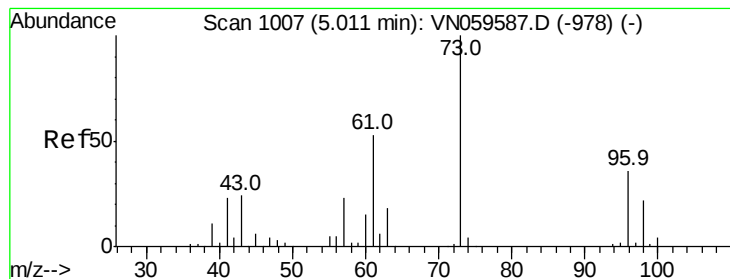
74 22.2 17.5 26.3



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 74.00 (73.70 to 74.70): VNO



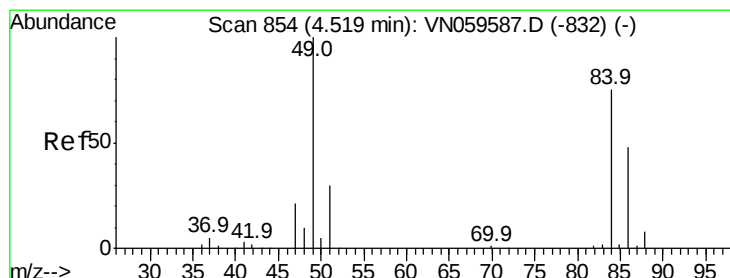
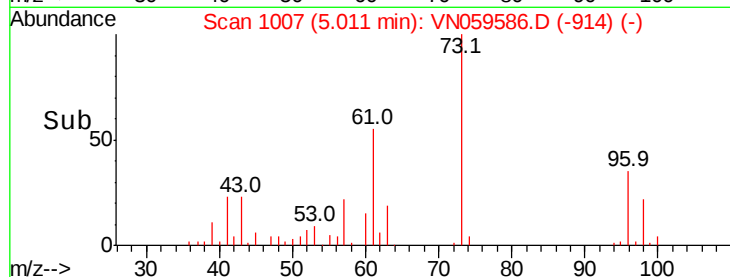
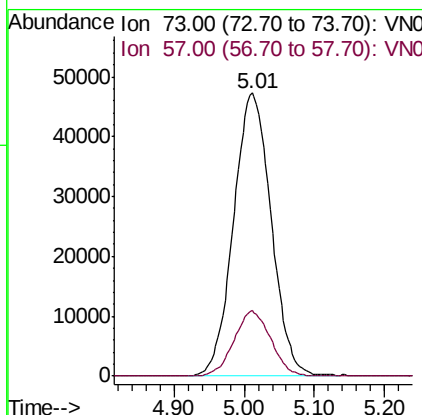
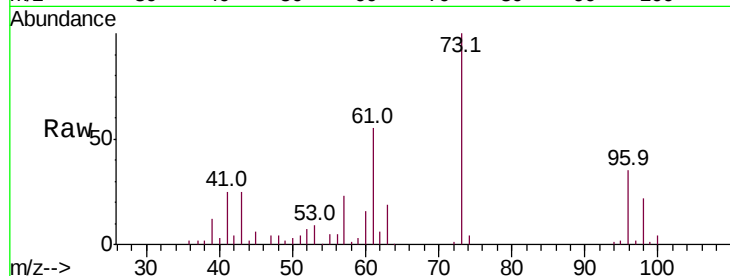


#19

Methyl tert-butyl Ether
 Concen: 19.109 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampled :

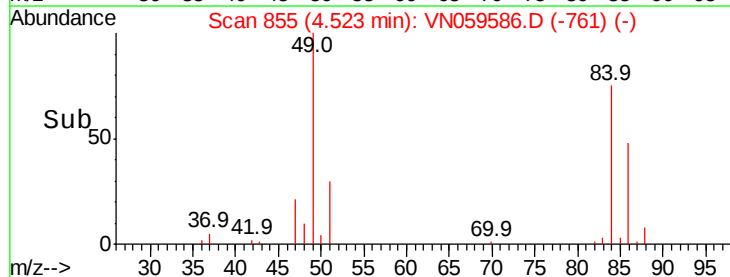
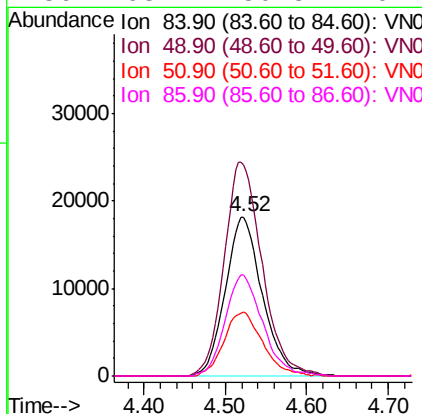
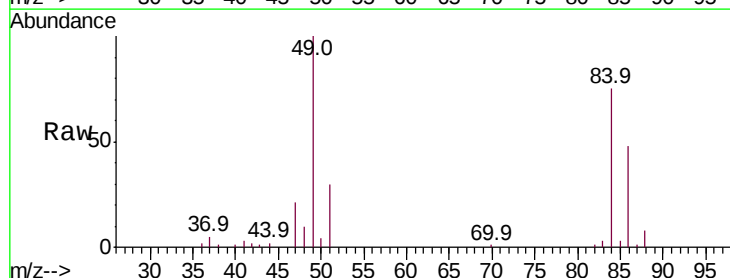
Tot Ion: 73 Resp: 176147
 Ion Ratio Lower Upper
 73 100
 57 23.0 18.6 27.8

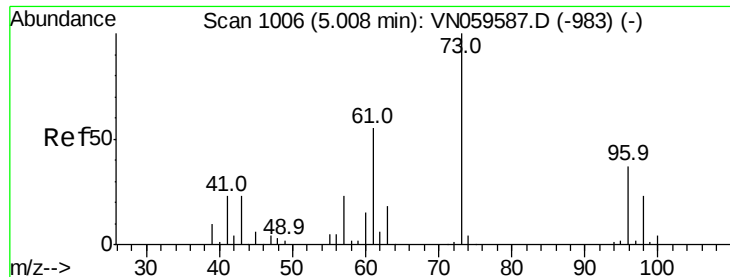


#20

Methylene Chloride
 Concen: 16.474 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 84 Resp: 57948
 Ion Ratio Lower Upper
 84 100
 49 132.6 106.6 160.0
 51 40.4 31.9 47.9
 86 63.7 50.8 76.2

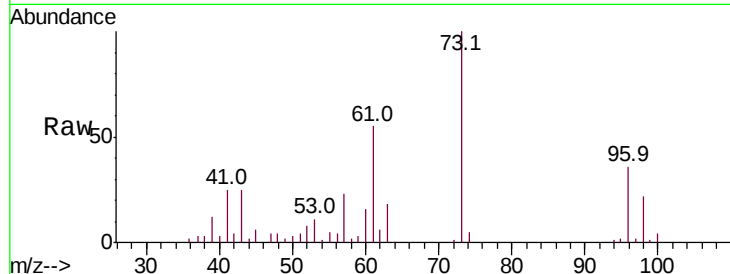




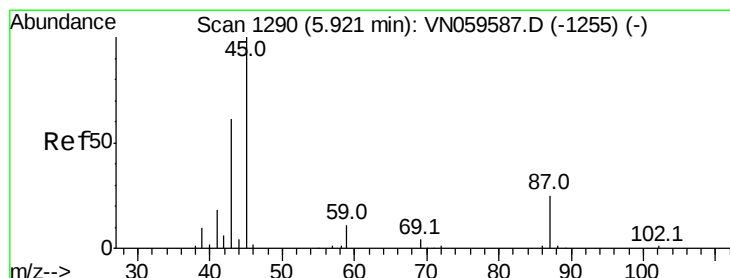
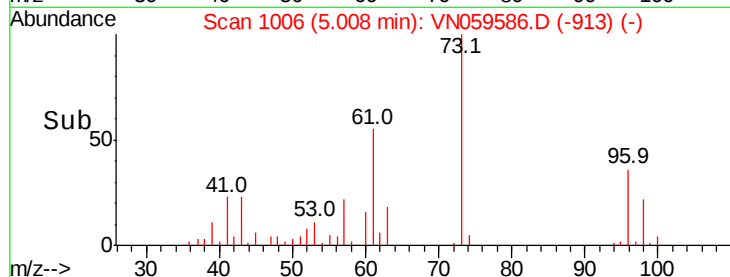
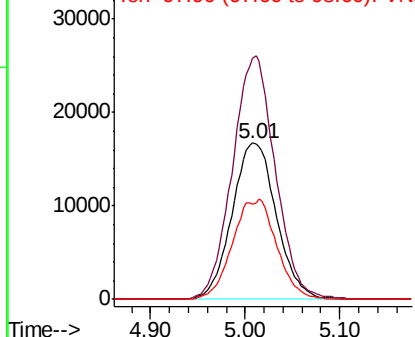
#21
trans-1,2-Dichloroethene
Concen: 18.360 ug/l
RT: 5.01 min Scan# 1006
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 96 Resp: 54520
Ion Ratio Lower Upper
96 100
61 154.0 120.4 180.6
98 60.9 50.6 75.8

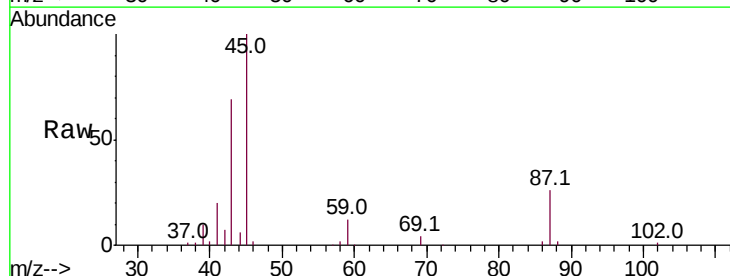


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

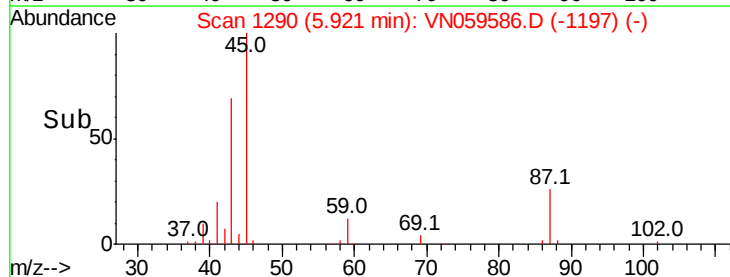
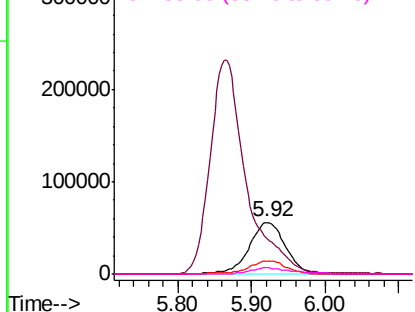


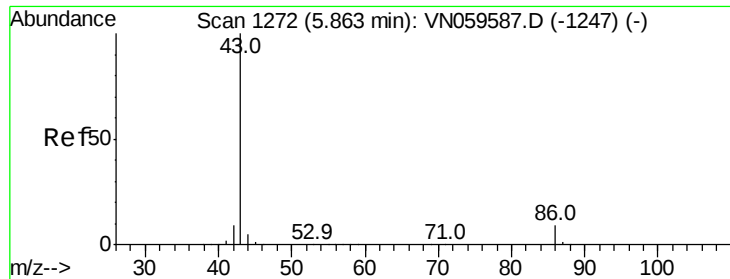
#22
Diisopropyl ether
Concen: 18.913 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 45 Resp: 191636
Ion Ratio Lower Upper
45 100
43 66.6 50.8 76.2
87 25.6 21.0 31.6
59 11.8 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

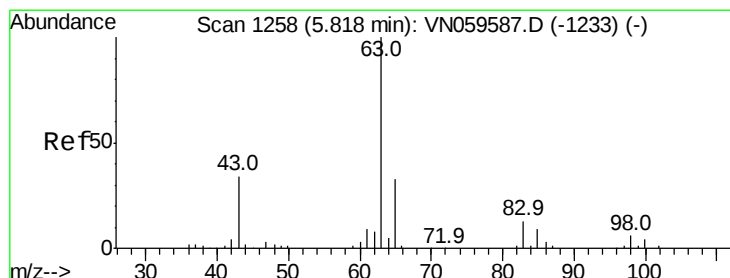
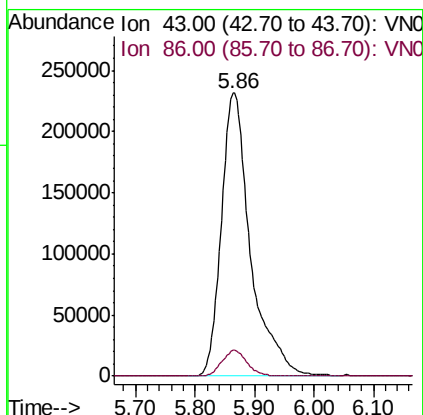
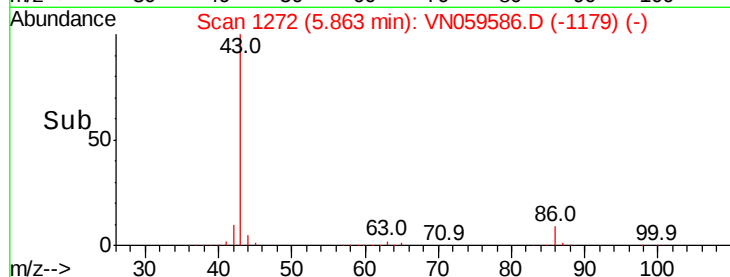
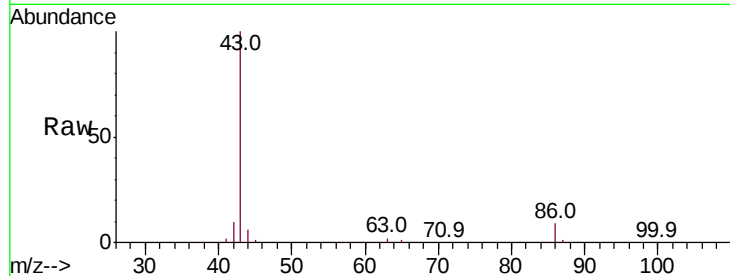




#23
 Vinyl Acetate
 Concen: 94.151 ug/l
 RT: 5.86 min Scan# 1272
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

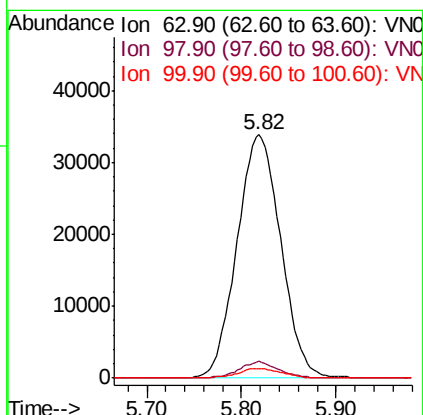
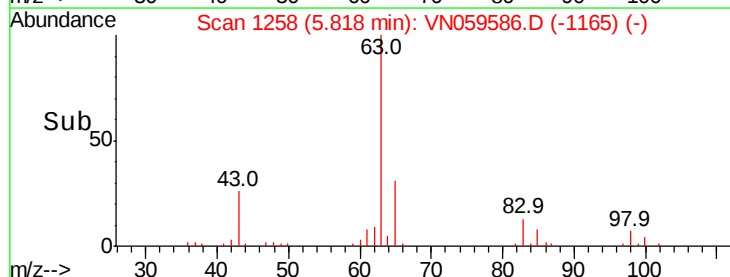
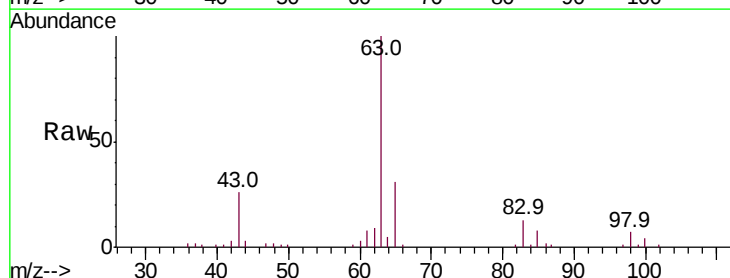
Instrument :
 MSVOA_N
 ClientSampleId :

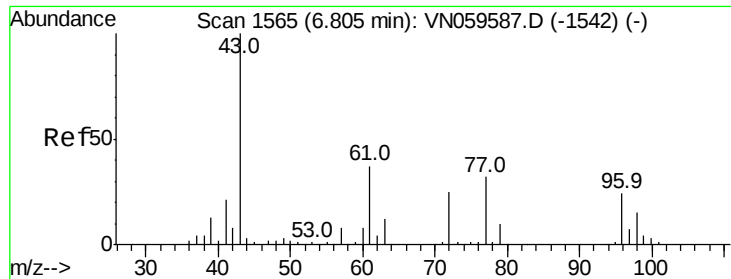
Tot Ion: 43 Resp: 790140
 Ion Ratio Lower Upper
 43 100
 86 9.0 7.6 11.4



#24
 1,1-Dichloroethane
 Concen: 18.858 ug/l
 RT: 5.82 min Scan# 1258
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 63 Resp: 108611
 Ion Ratio Lower Upper
 63 100
 98 7.0 2.9 8.7
 100 3.7 2.0 6.0





#25

2-Butanone

Concen: 104.729 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

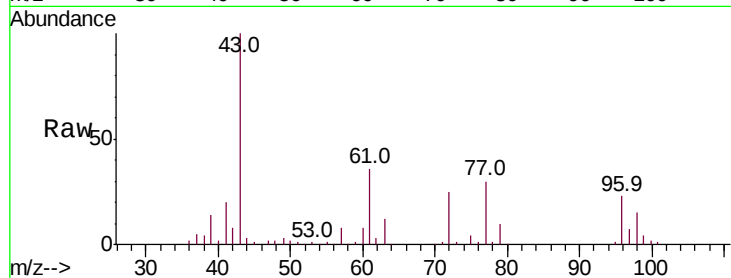
ClientSampleId :

Tot Ion: 43 Resp: 249474

Ion Ratio Lower Upper

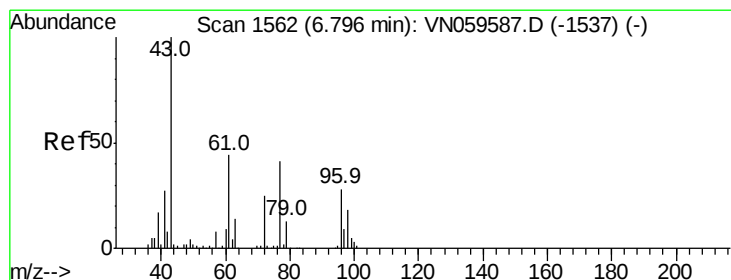
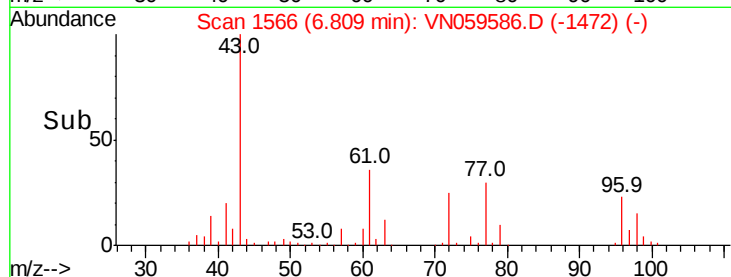
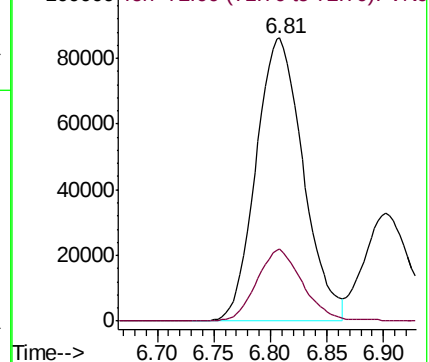
43 100

72 25.3 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: 18.692 ug/l

RT: 6.80 min Scan# 1562

Delta R.T. 0.00 min

Lab File: VN059586.D

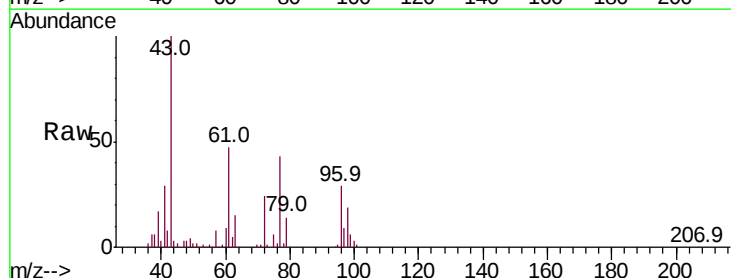
Acq: 13 Dec 2019 16:22

Tgt Ion: 77 Resp: 97326

Ion Ratio Lower Upper

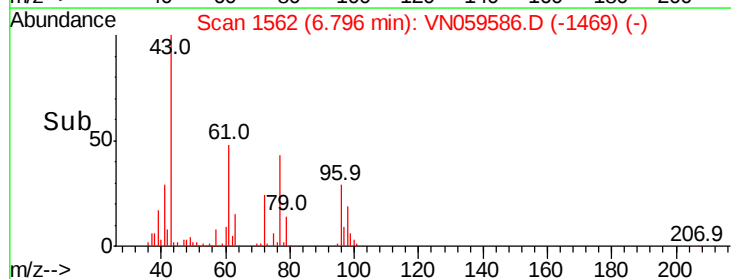
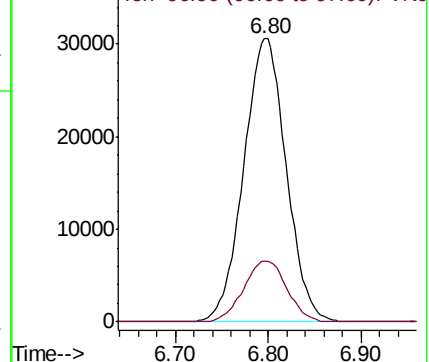
77 100

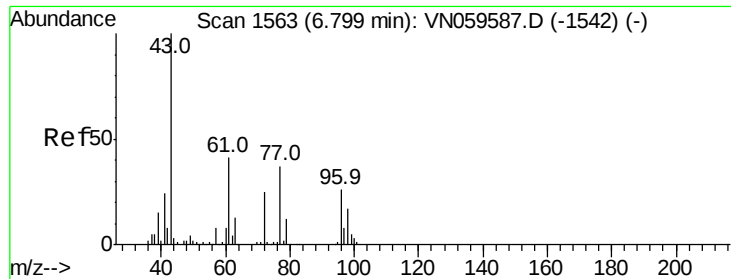
97 21.8 10.7 31.9



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: 18.590 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. 0.00 min

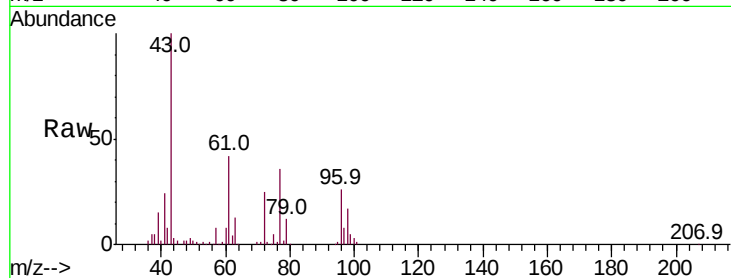
Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 62177

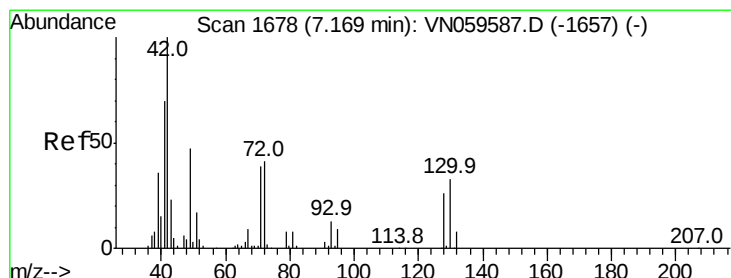
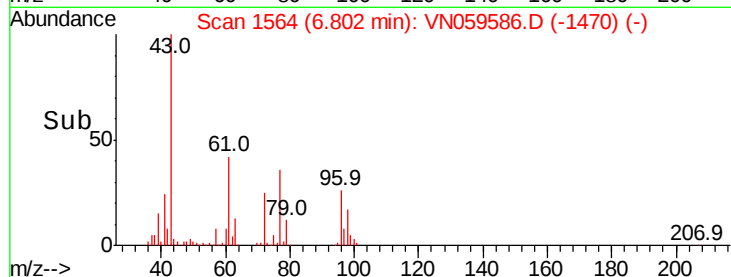
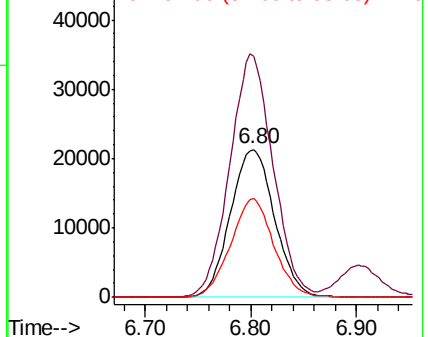
Ion	Ratio	Lower	Upper
96	100		
61	160.8	0.0	317.6
98	65.2	0.0	127.0



Abundance Ion 95.90 (95.60 to 96.60): VN059587.D (-1542) (-)

Ion 60.90 (60.60 to 61.60): VN059587.D (-1542) (-)

Ion 97.90 (97.60 to 98.60): VN059587.D (-1542) (-)



#28

Bromochloromethane

Concen: 25.301 ug/l

RT: 7.17 min Scan# 1679

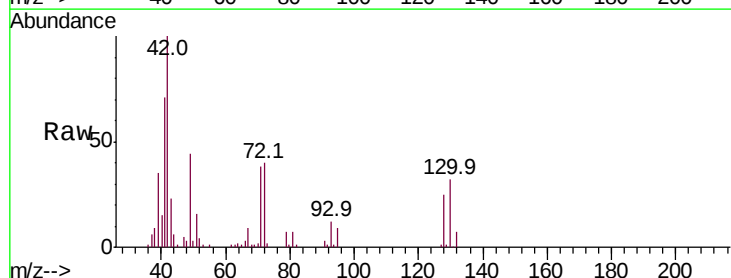
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 49 Resp: 47453

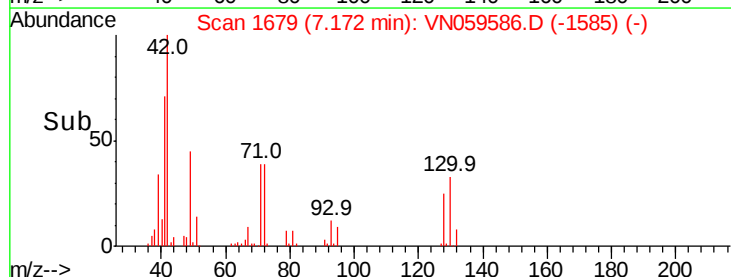
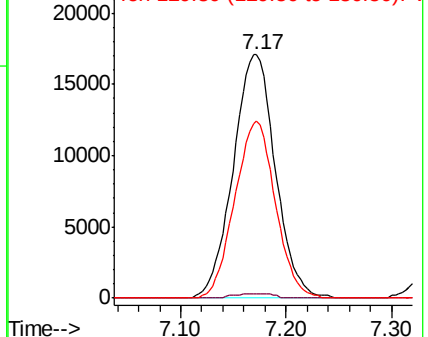
Ion	Ratio	Lower	Upper
49	100		
129	1.7	0.0	3.4
130	69.9	54.7	82.1

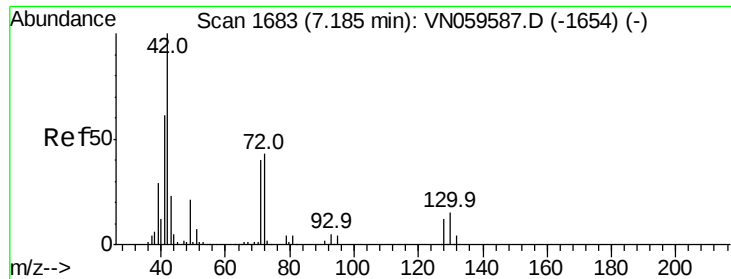


Abundance Ion 48.90 (48.60 to 49.60): VN059587.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059587.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059587.D (-1657) (-)

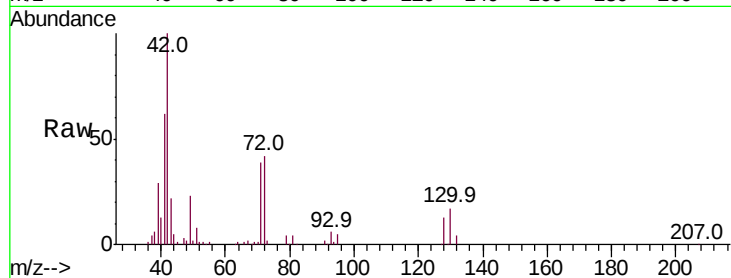




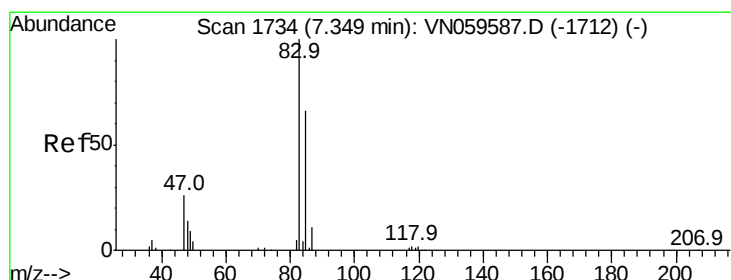
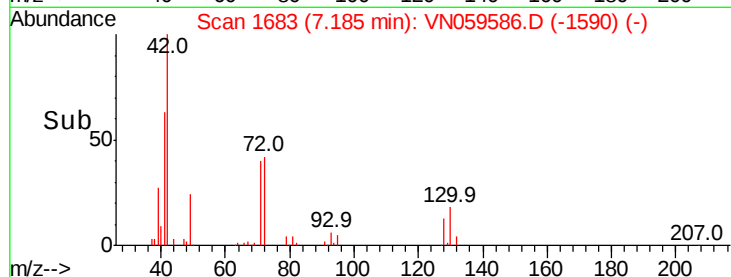
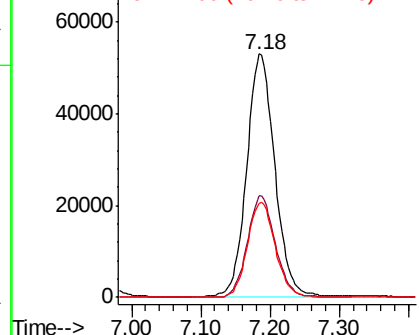
#29
Tetrahydrofuran
Concen: 92.641 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 42 Resp: 150572
Ion Ratio Lower Upper
42 100
72 41.1 33.1 49.7
71 38.4 31.4 47.0

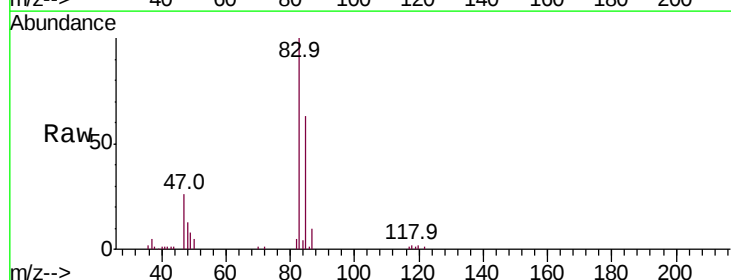


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

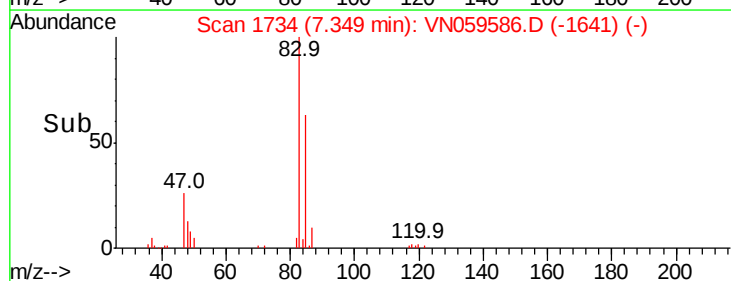
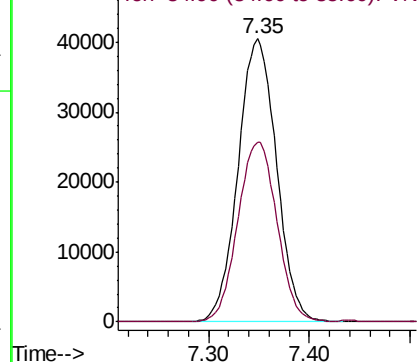


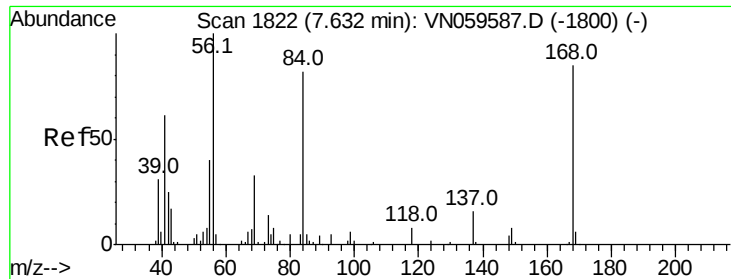
#30
Chloroform
Concen: 18.860 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 83 Resp: 107121
Ion Ratio Lower Upper
83 100
85 63.4 52.4 78.6



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





#31

Cyclohexane

Concen: 17.539 ug/l

RT: 7.63 min Scan# 1823

Delta R.T. 0.00 min

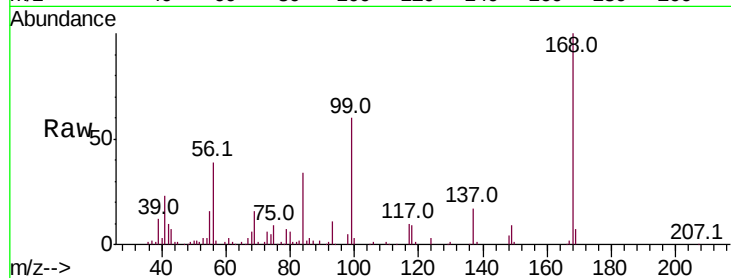
Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

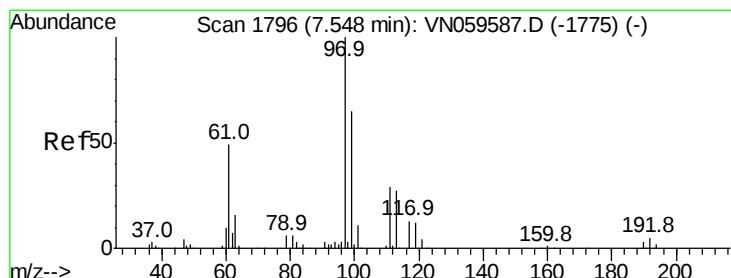
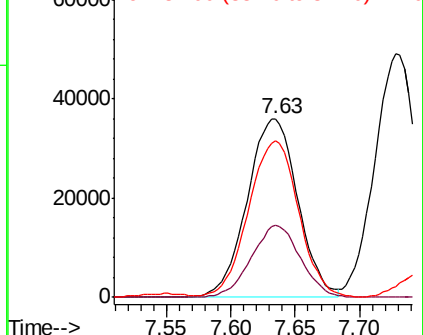
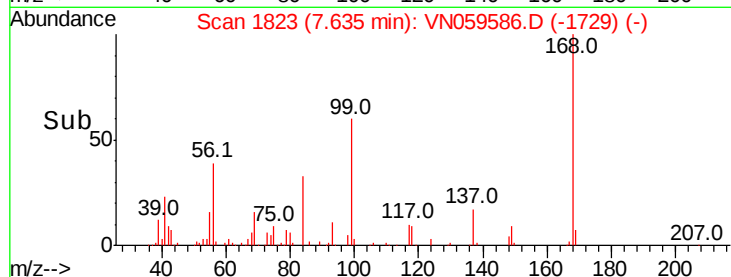
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 98193

Ion	Ratio	Lower	Upper
56	100		
69	40.1	26.5	39.7#
84	86.6	65.3	97.9



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



#32

1,1,1-Trichloroethane

Concen: 18.734 ug/l

RT: 7.54 min Scan# 1795

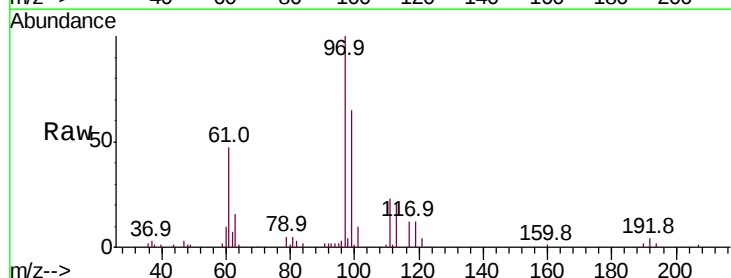
Delta R.T. -0.00 min

Lab File: VN059586.D

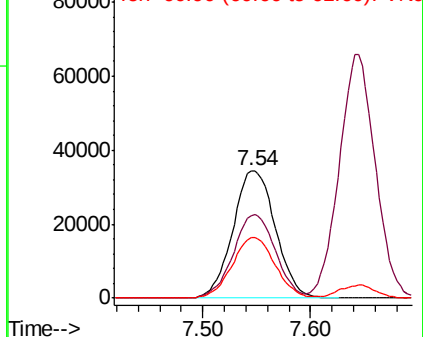
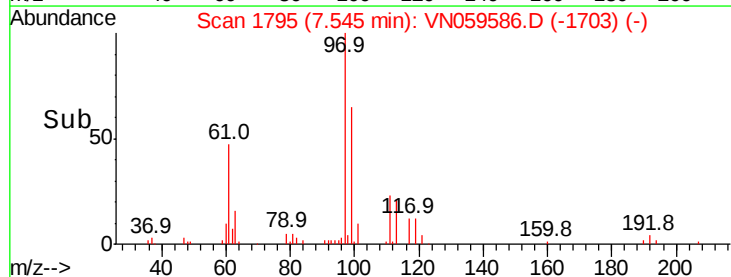
Acq: 13 Dec 2019 16:22

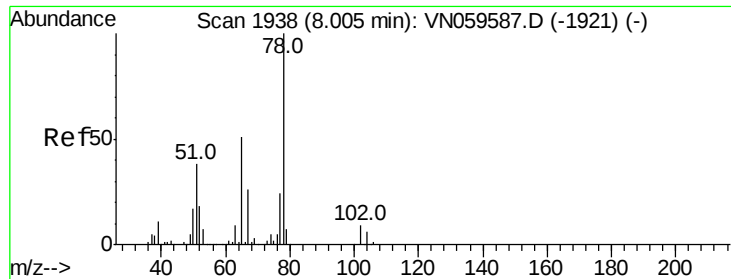
Tgt Ion: 97 Resp: 94440

Ion	Ratio	Lower	Upper
97	100		
99	64.9	51.0	76.4
61	48.0	38.5	57.7



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





#33

1,2-Dichloroethane-d4

Concen: 20.061 ug/l

RT: 8.00 min Scan# 1938

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

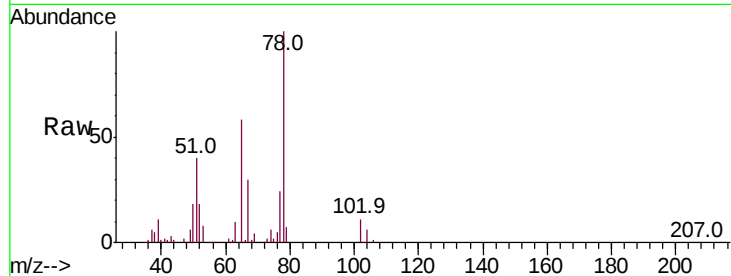
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 65 Resp: 74952

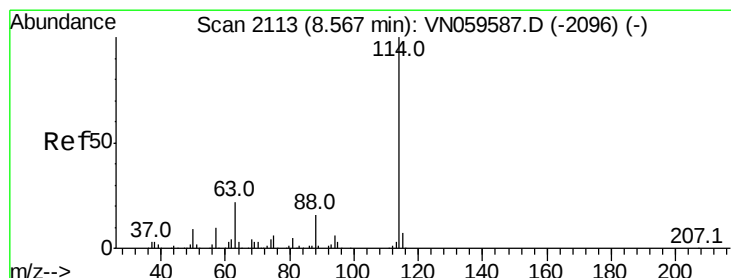
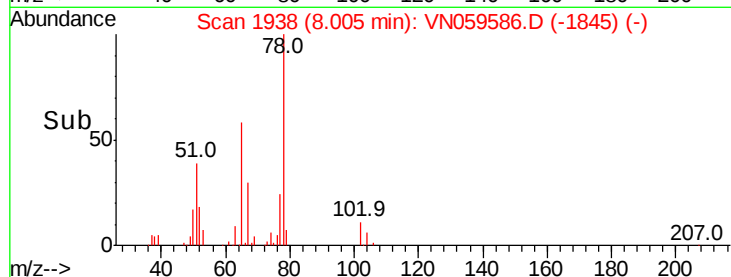
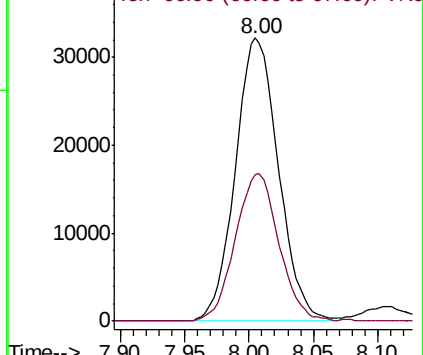
Ion Ratio Lower Upper

65 100

67 52.5 0.0 103.0



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

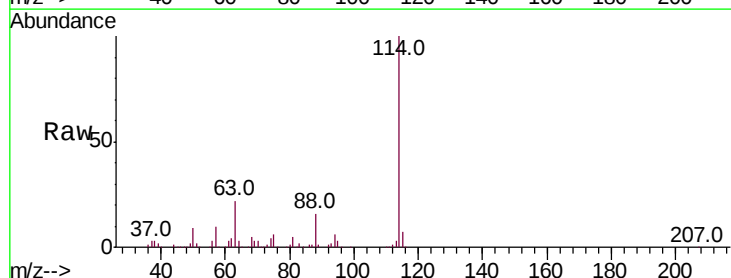
Tgt Ion:114 Resp: 420665

Ion Ratio Lower Upper

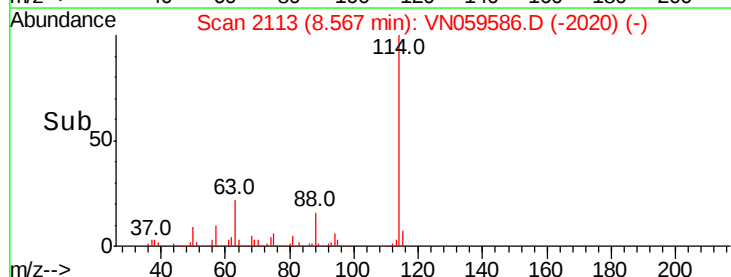
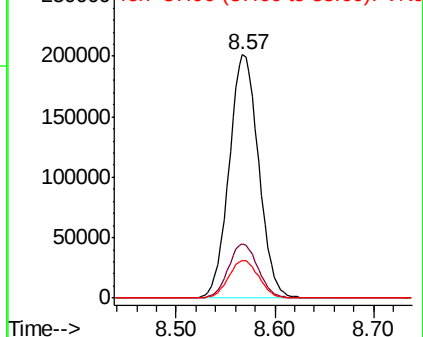
114 100

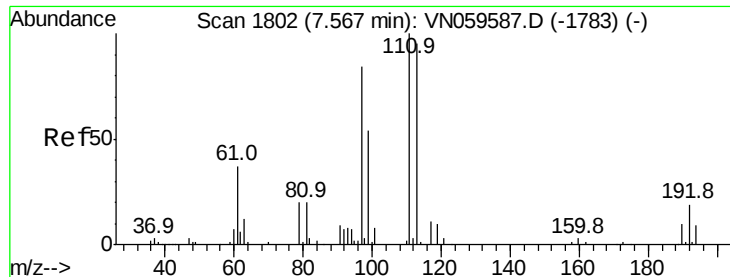
63 22.3 0.0 43.6

88 15.5 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN0
Ion 87.90 (87.60 to 88.60): VN0





#35

Dibromofluoromethane

Concen: 20.502 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampled :

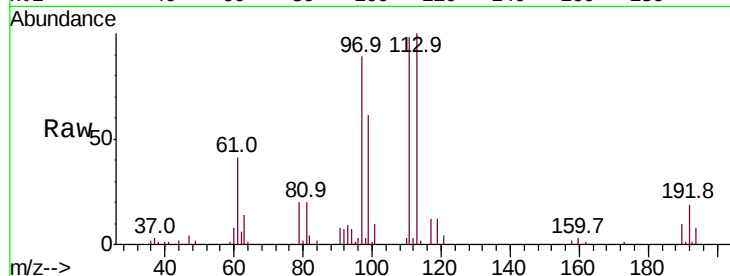
Tot Ion:113 Resp: 52366

Ion Ratio Lower Upper

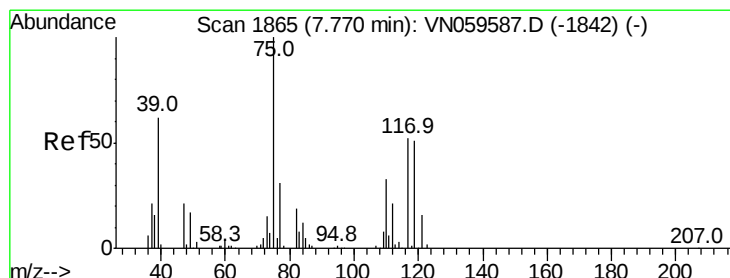
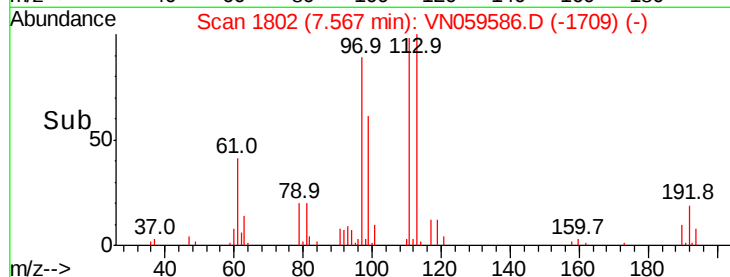
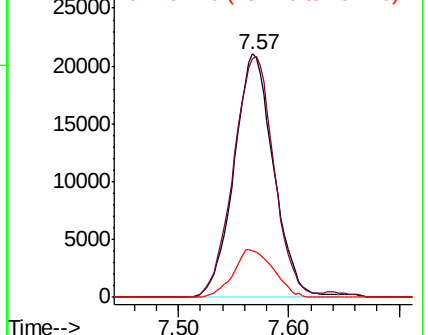
113 100

111 101.1 83.5 125.3

192 19.8 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: 18.550 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

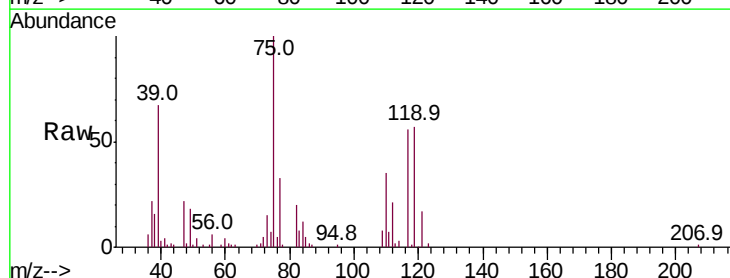
Tgt Ion: 75 Resp: 81300

Ion Ratio Lower Upper

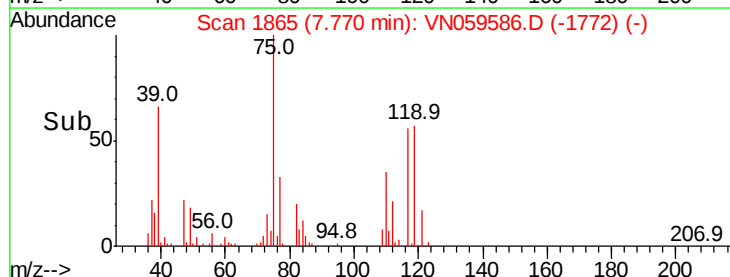
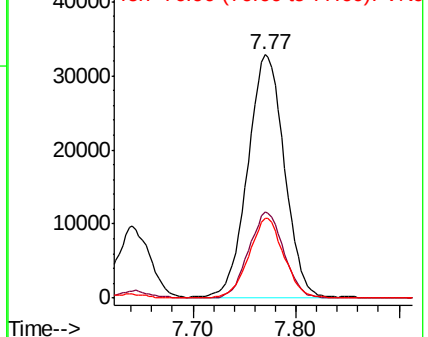
75 100

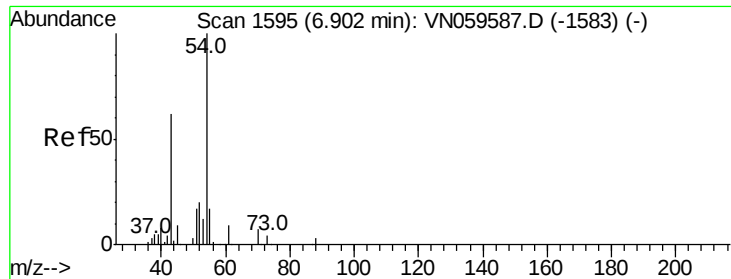
110 33.7 16.6 49.7

77 31.2 25.1 37.7



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

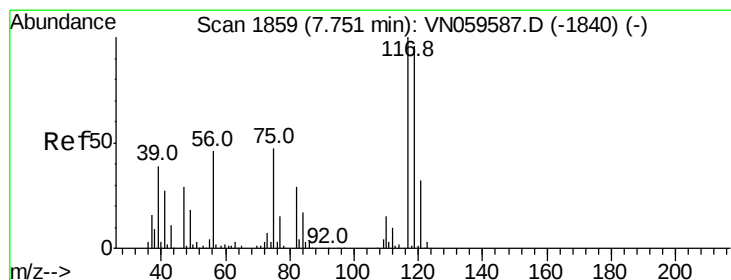
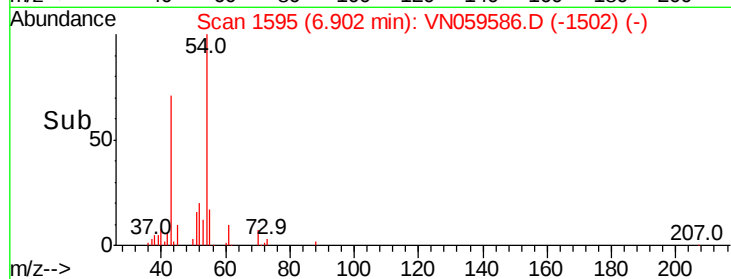
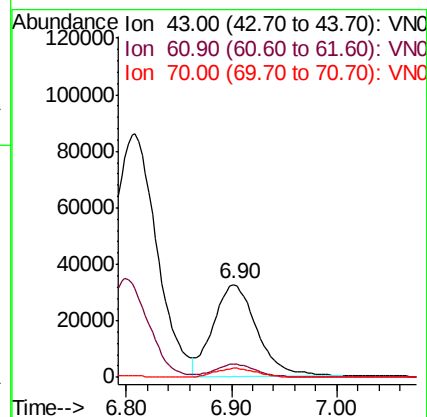
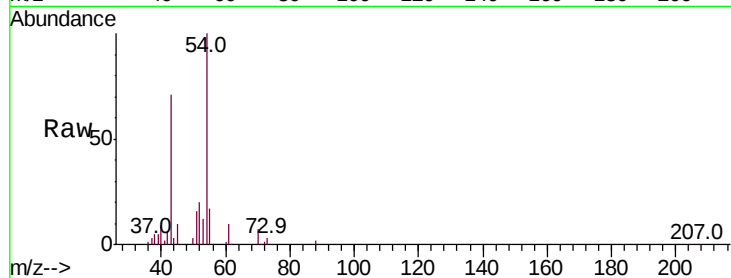




#37
Ethyl Acetate
Concen: 20.484 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

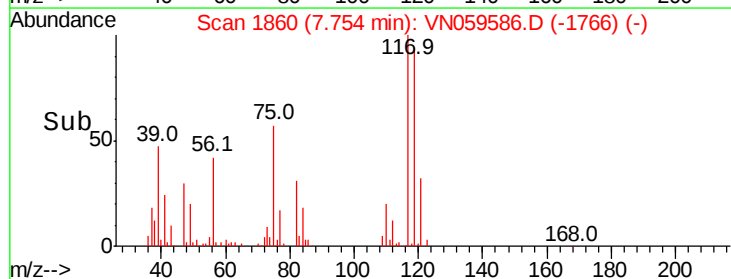
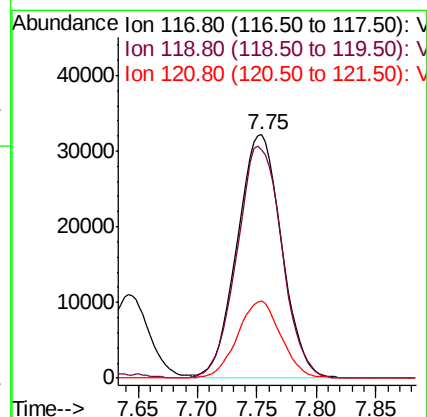
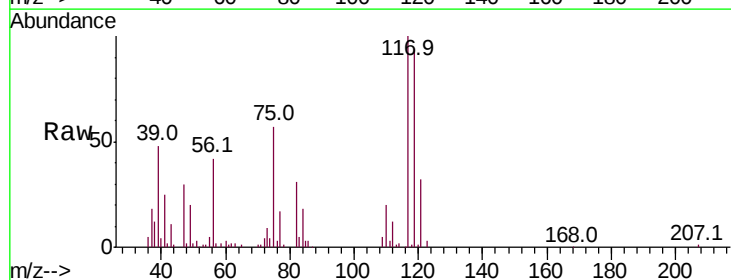
Instrument :
MSVOA_N
ClientSampled :

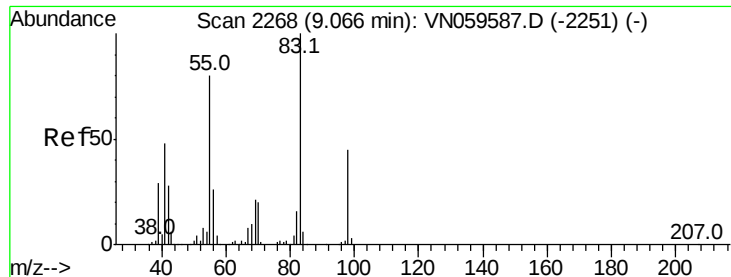
Tot Ion: 43 Resp: 93559
Ion Ratio Lower Upper
43 100
61 13.9 10.9 16.3
70 9.5 7.7 11.5



#38
Carbon Tetrachloride
Concen: 19.239 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 117 Resp: 83334
Ion Ratio Lower Upper
117 100
119 93.8 76.5 114.7
121 31.7 25.1 37.7

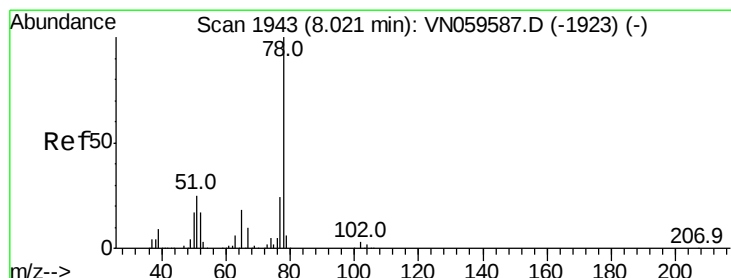
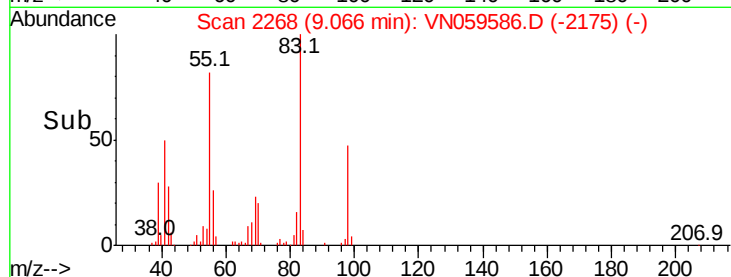
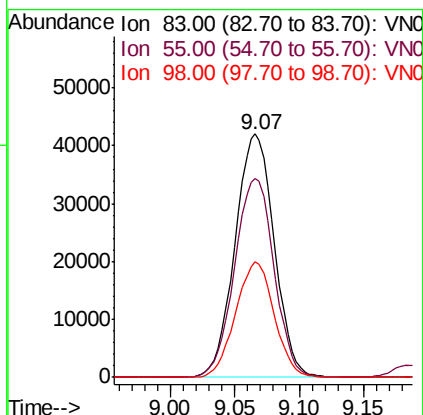
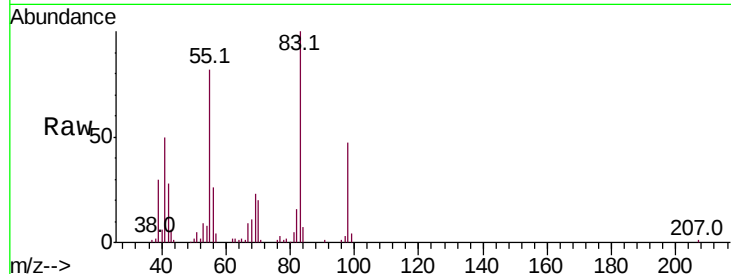




#39
Methvlcvclohexane
Concen: 18.079 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

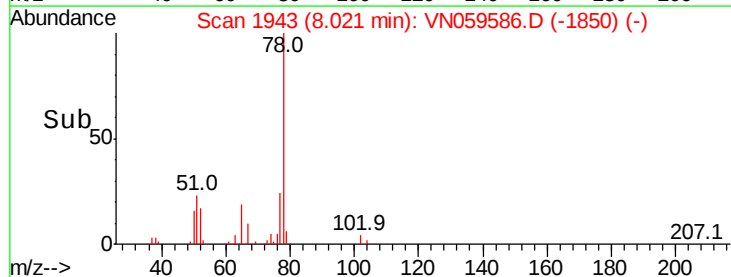
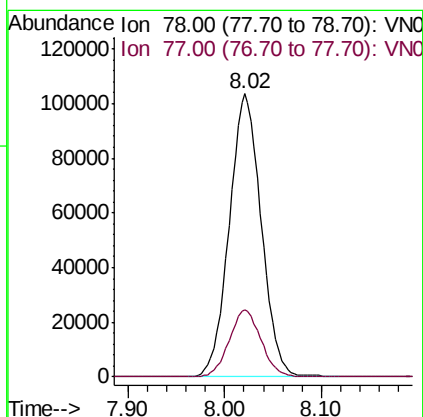
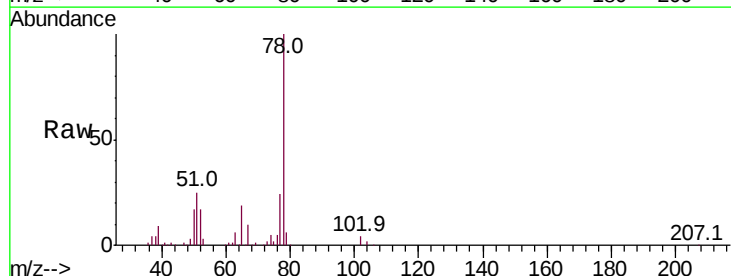
Instrument :
MSVOA_N
ClientSampled :

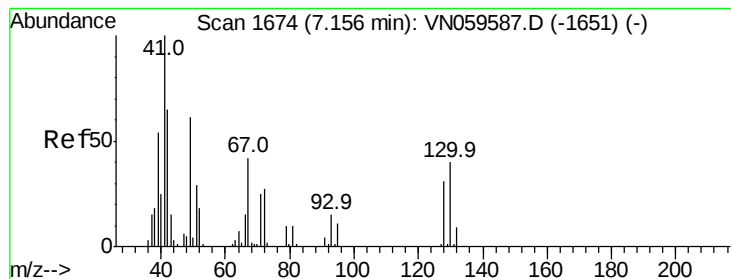
Tot Ion	83	Resp	88778
Ion	Ratio	Lower	Upper
83	100		
55	81.9	64.2	96.2
98	47.3	35.9	53.9



#40
Benzene
Concen: 18.908 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	78	Resp	237227
Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3





#41

Methacrylonitrile

Concen: 63.975 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.03 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 41 Resp: 136850

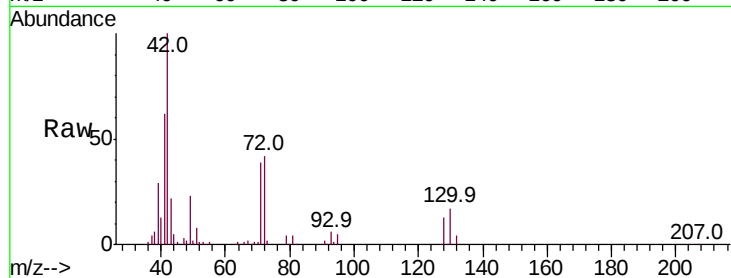
Ion Ratio Lower Upper

41 100

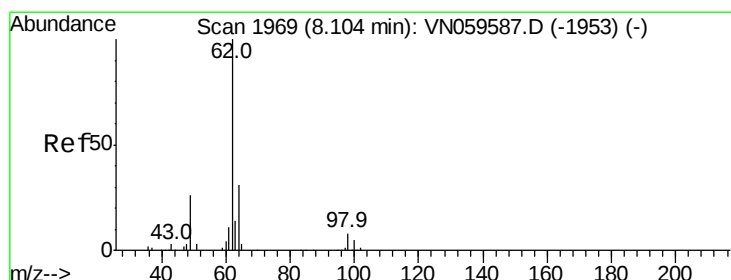
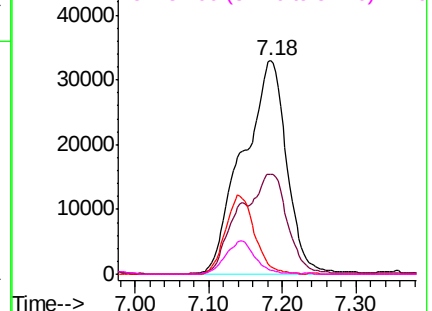
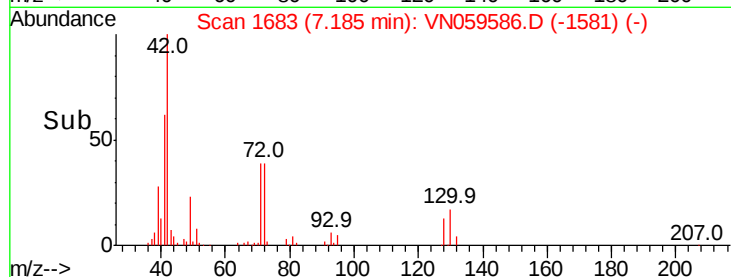
39 0.0 0.0 0.0

67 0.0 0.0 0.0

52 0.0 0.0 0.0



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



#42

1,2-Dichloroethane

Concen: 19.243 ug/l

RT: 8.10 min Scan# 1969

Delta R.T. 0.00 min

Lab File: VN059586.D

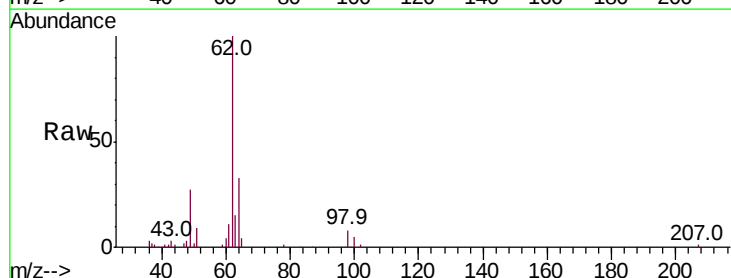
Acq: 13 Dec 2019 16:22

Tgt Ion: 62 Resp: 90131

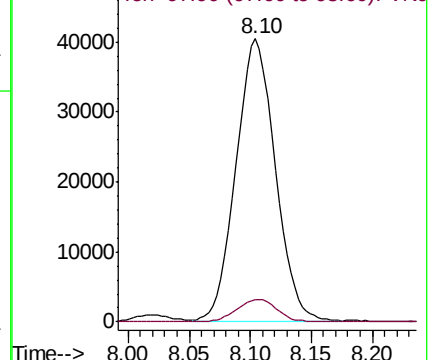
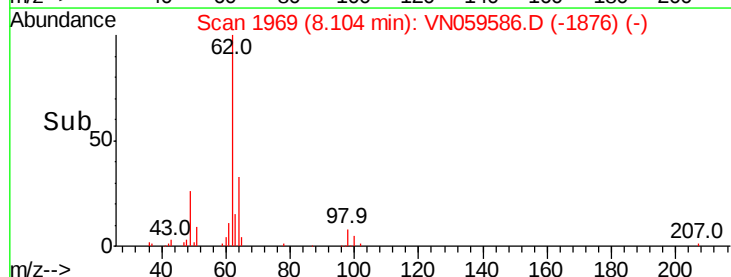
Ion Ratio Lower Upper

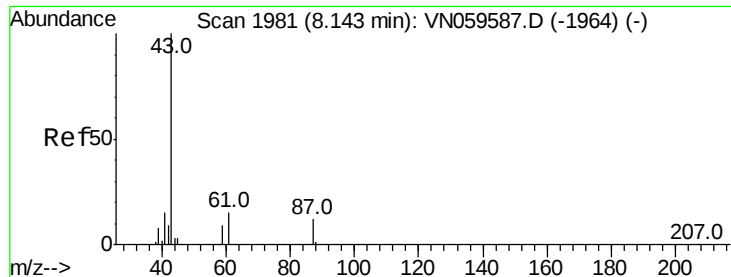
62 100

98 8.1 0.0 15.8



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





#43

Isopropyl Acetate

Concen: 18.982 ug/l

RT: 8.14 min Scan# 1981

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

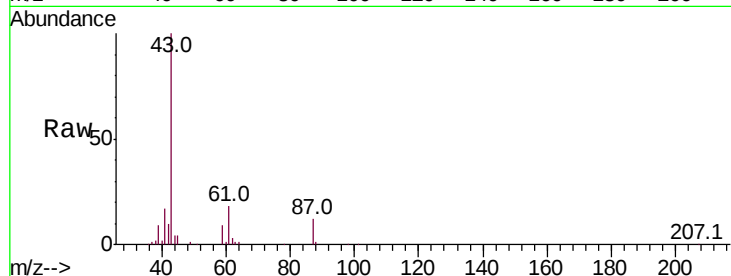
Tot Ion: 43 Resp: 144147

Ion Ratio Lower Upper

43 100

61 25.2 20.2 30.2

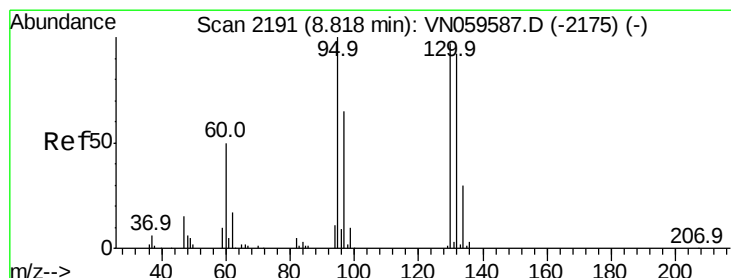
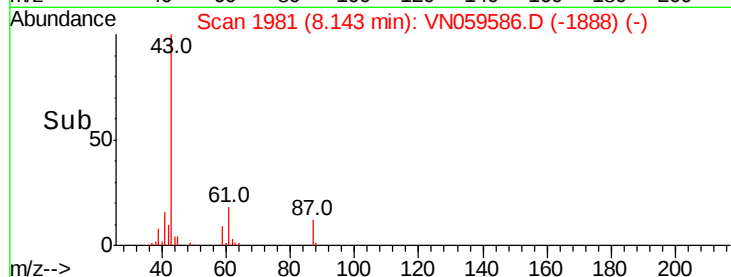
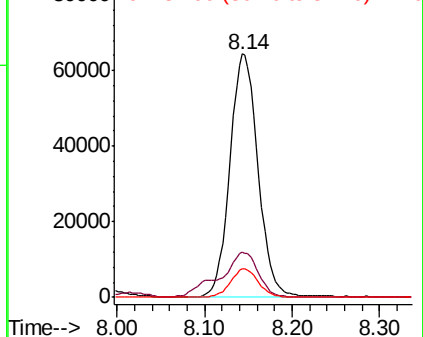
87 11.5 9.5 14.3



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: 19.183 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. 0.00 min

Lab File: VN059586.D

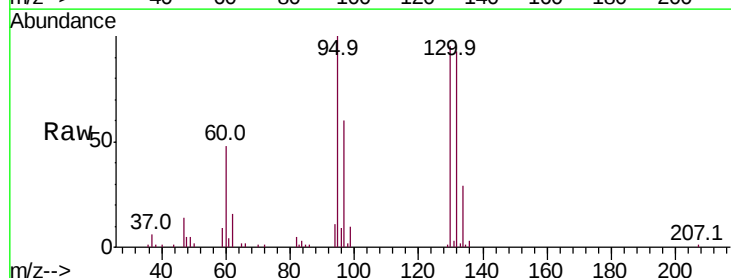
Acq: 13 Dec 2019 16:22

Tgt Ion:130 Resp: 60992

Ion Ratio Lower Upper

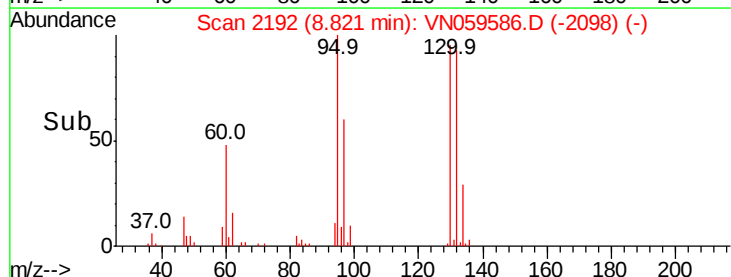
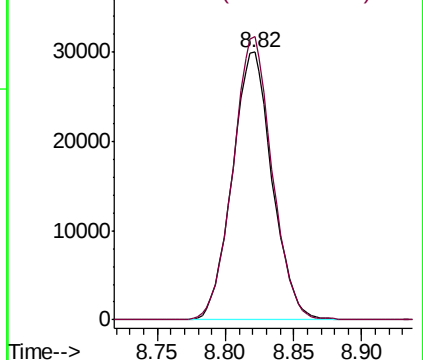
130 100

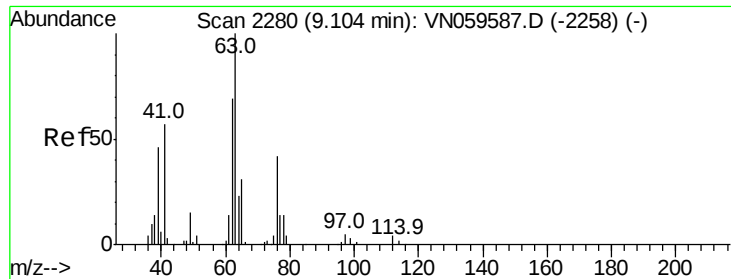
95 105.7 0.0 207.0



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

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





#45

1,2-Dichloropropane

Concen: 18.901 ug/l

RT: 9.10 min Scan# 2280

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

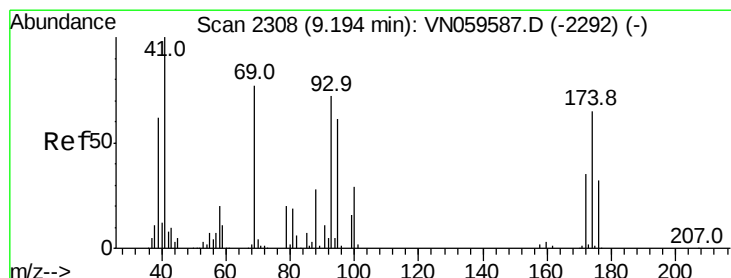
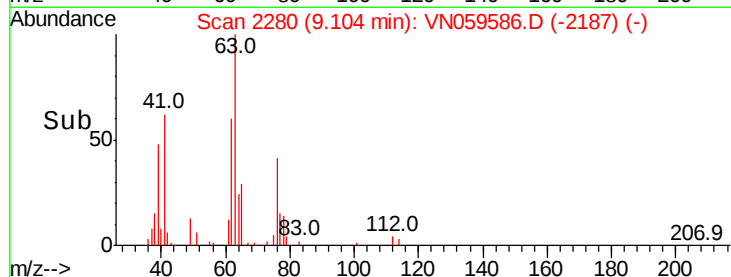
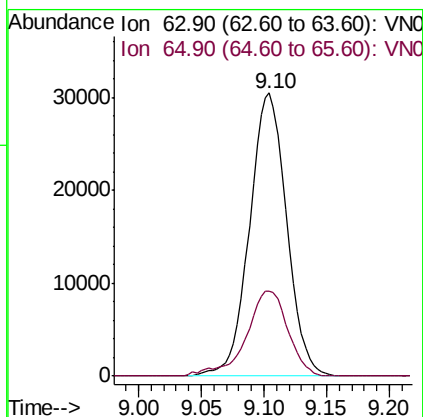
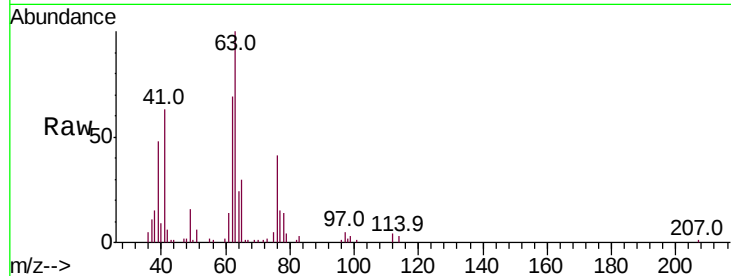
ClientSampleId :

Tot Ion: 63 Resp: 62780

Ion Ratio Lower Upper

63 100

65 30.2 24.9 37.3



#46

Dibromomethane

Concen: 18.791 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

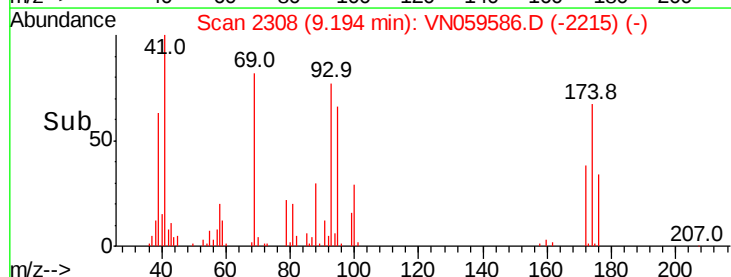
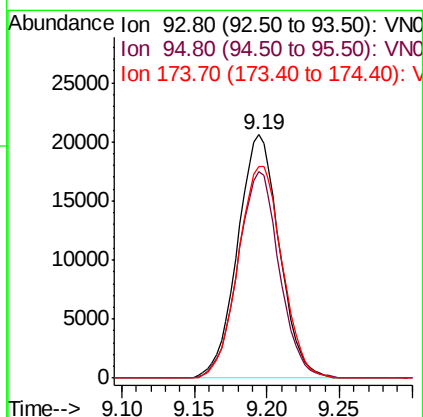
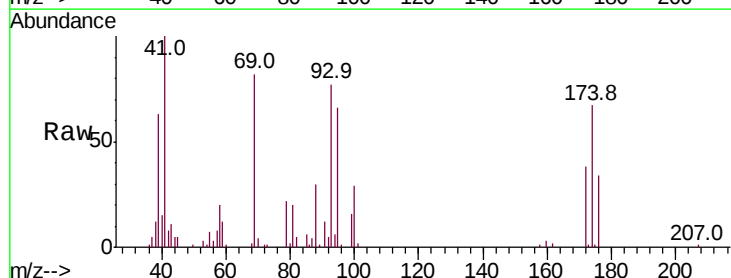
Tgt Ion: 93 Resp: 41361

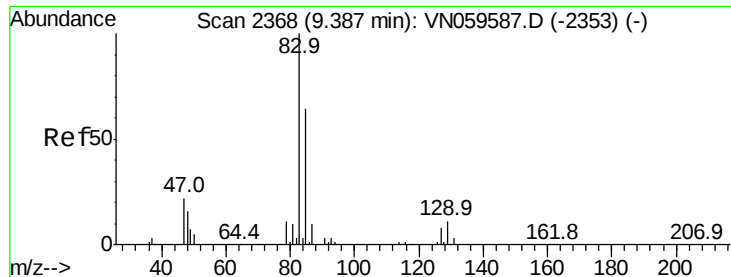
Ion Ratio Lower Upper

93 100

95 84.2 67.0 100.6

174 90.8 73.4 110.2





#47

Bromodichloromethane

Concen: 19.245 ug/l

RT: 9.39 min Scan# 2368

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

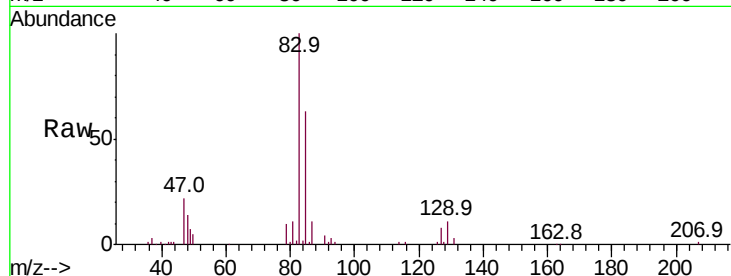
Tot Ion: 83 Resp: 84033

Ion Ratio Lower Upper

83 100

85 62.8 51.1 76.7

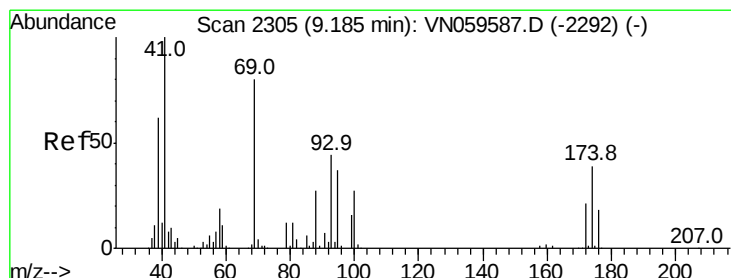
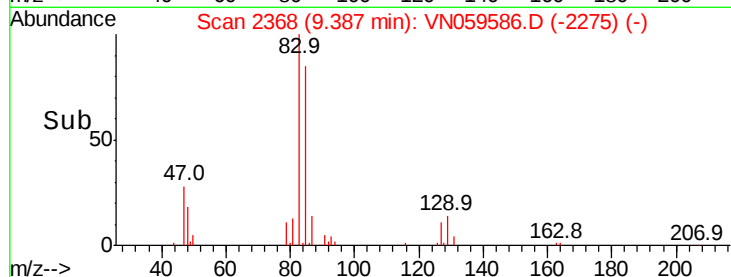
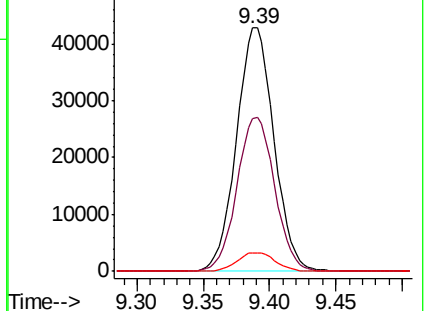
127 7.8 6.6 9.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): V



#48

Methyl methacrylate

Concen: 19.186 ug/l

RT: 9.18 min Scan# 2305

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

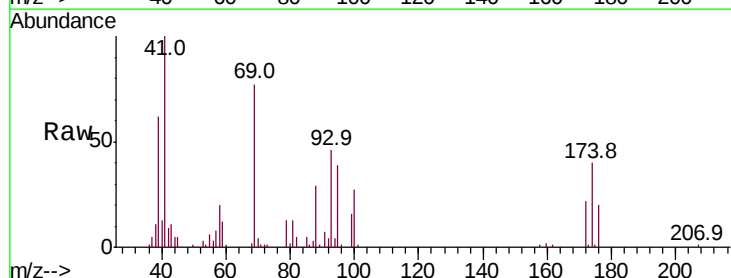
Tgt Ion: 41 Resp: 63963

Ion Ratio Lower Upper

41 100

69 80.6 64.4 96.6

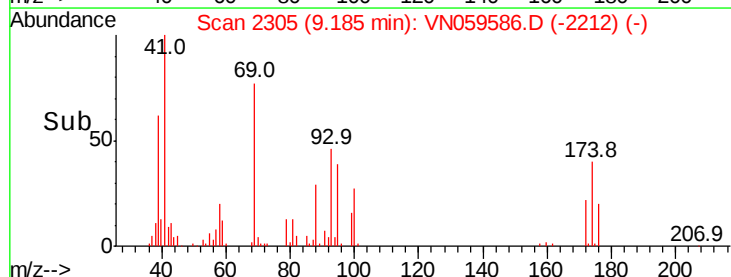
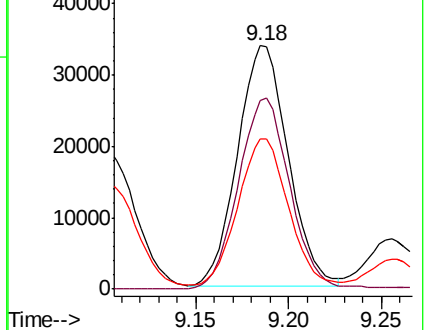
39 63.0 51.3 76.9

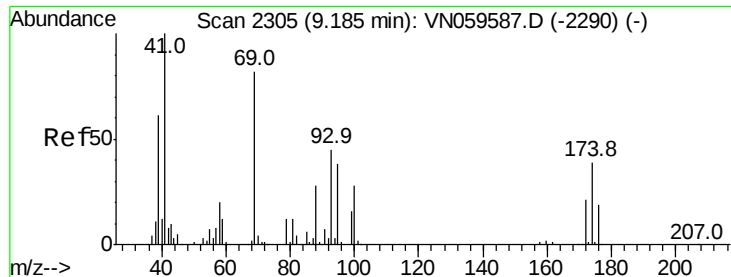


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

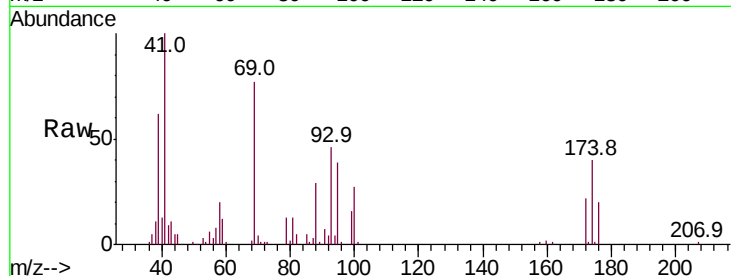




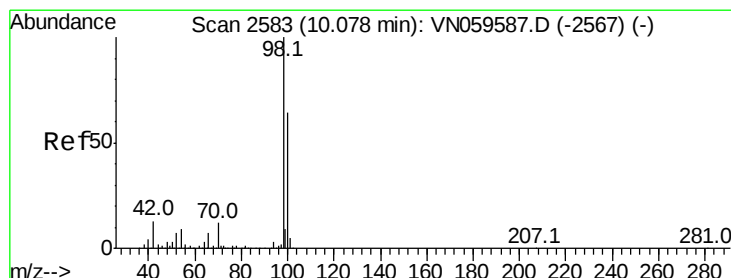
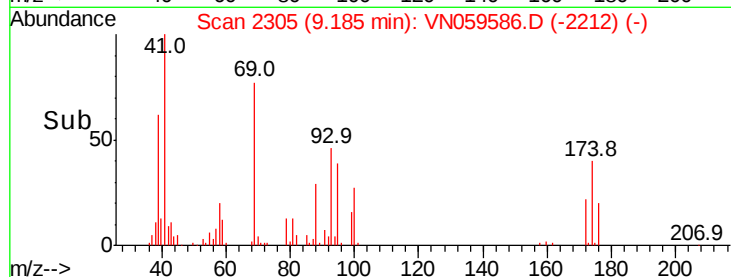
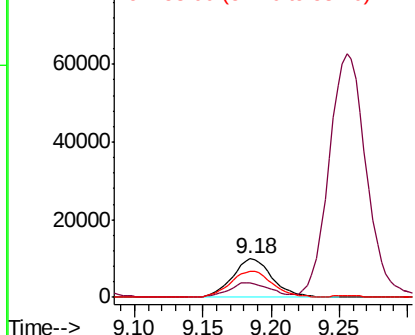
#49
 1,4-Dioxane
 Concen: 452.124 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 88 Resp: 20161
 Ion Ratio Lower Upper
 88 100
 43 40.0 29.7 44.5
 58 71.5 56.6 85.0

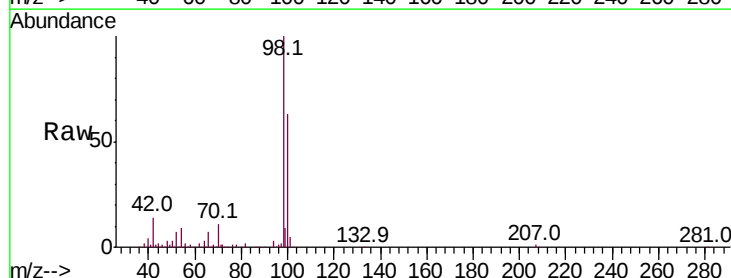


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

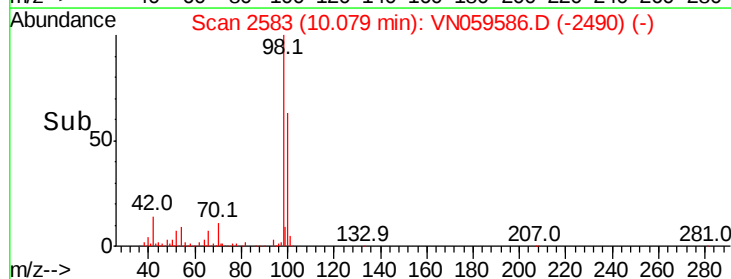
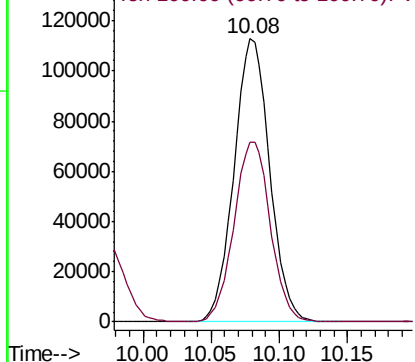


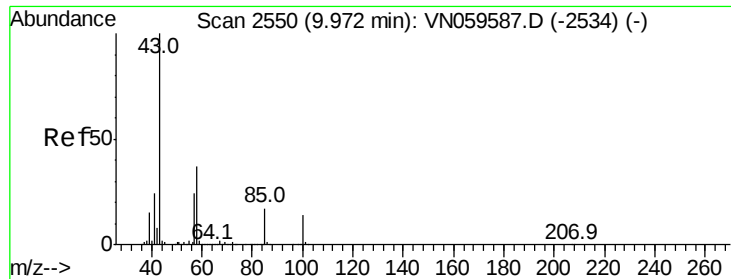
#50
 Toluene-d8
 Concen: 19.485 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion: 98 Resp: 204648
 Ion Ratio Lower Upper
 98 100
 100 64.9 51.2 76.8



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





#51

4-Methyl-2-Pentanone

Concen: 102.674 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

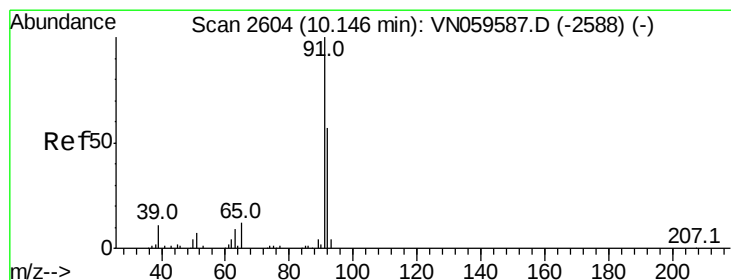
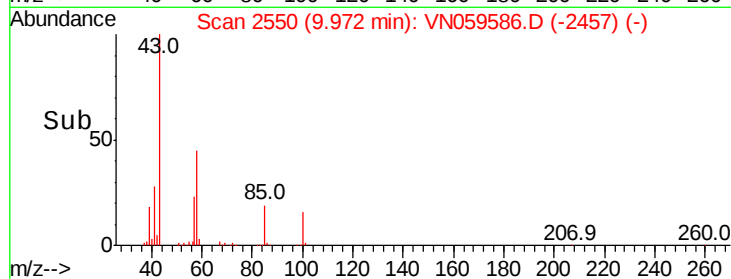
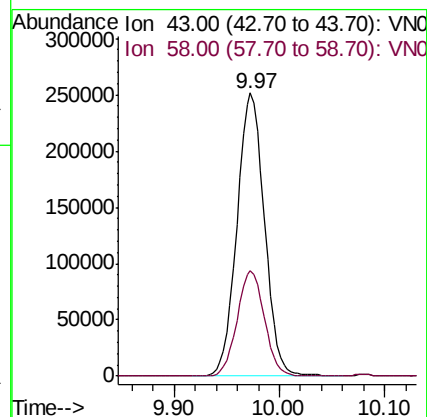
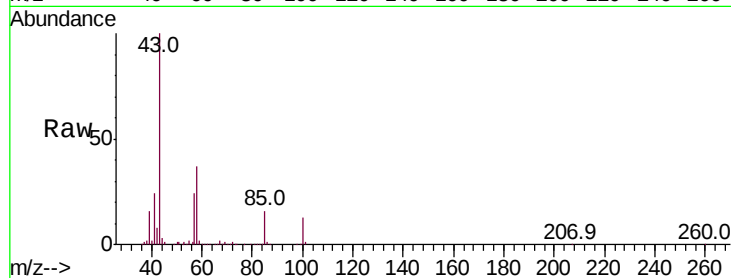
ClientSampleId :

Tot Ion: 43 Resp: 453306

Ion Ratio Lower Upper

43 100

58 37.0 29.8 44.8



#52

Toluene

Concen: 18.965 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059586.D

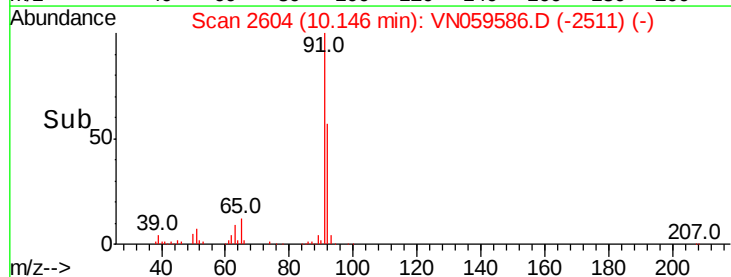
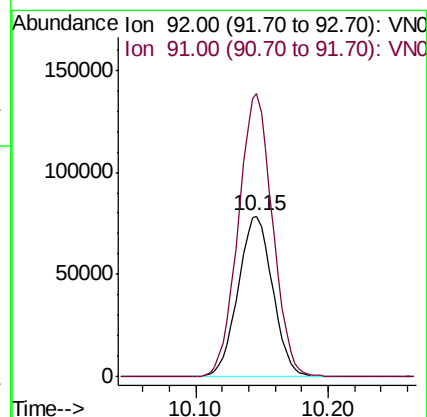
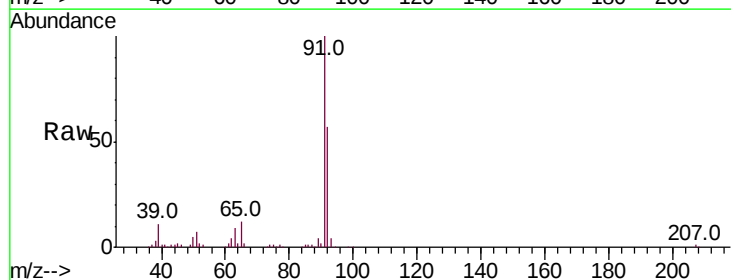
Acq: 13 Dec 2019 16:22

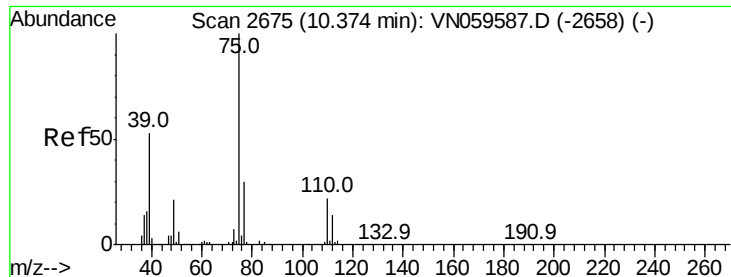
Tgt Ion: 92 Resp: 141991

Ion Ratio Lower Upper

92 100

91 175.2 140.4 210.6





#53

t-1,3-Dichloropropene

Concen: 18.615 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

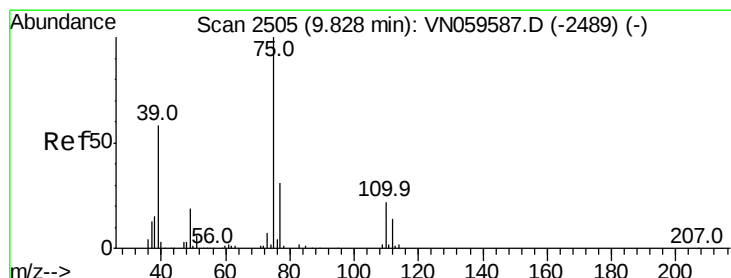
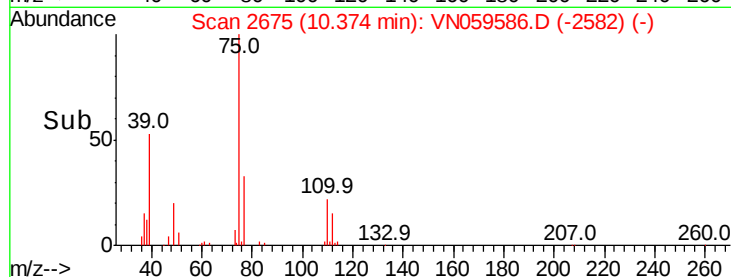
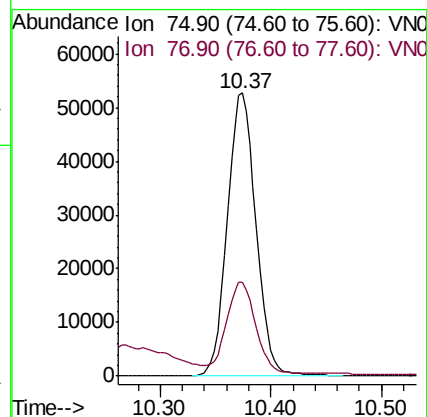
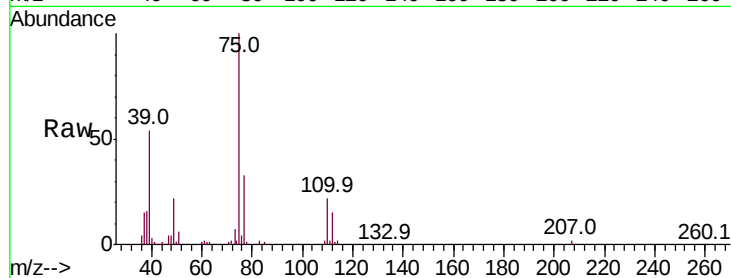
ClientSampled :

Tot Ion: 75 Resp: 94826

Ion Ratio Lower Upper

75 100

77 32.1 25.4 38.2



#54

cis-1,3-Dichloropropene

Concen: 19.298 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

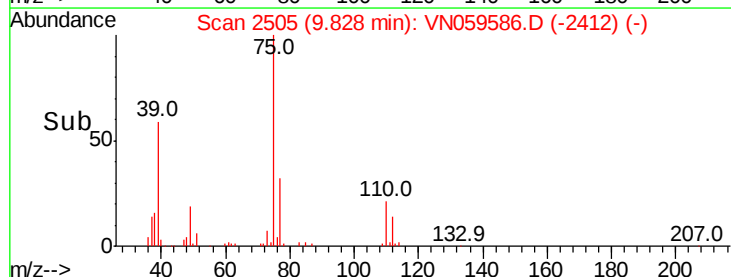
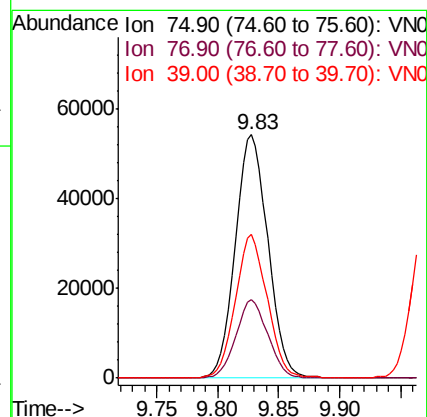
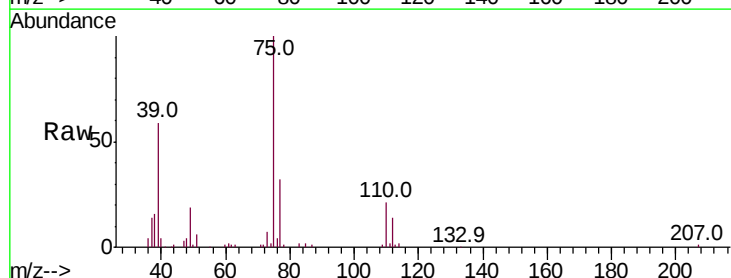
Tgt Ion: 75 Resp: 100760

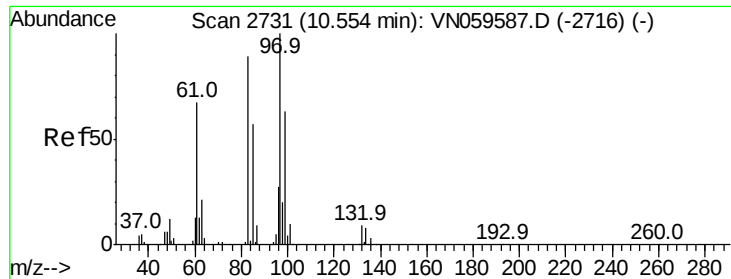
Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7

39 58.9 46.1 69.1





#55

1,1,2-Trichloroethane

Concen: 18.812 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

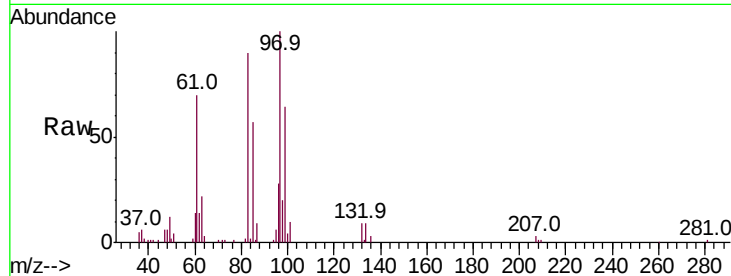
Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 97 Resp: 56976

Ion	Ratio	Lower	Upper
97	100		
83	89.7	71.3	106.9
85	56.9	45.8	68.8
99	63.6	50.0	75.0



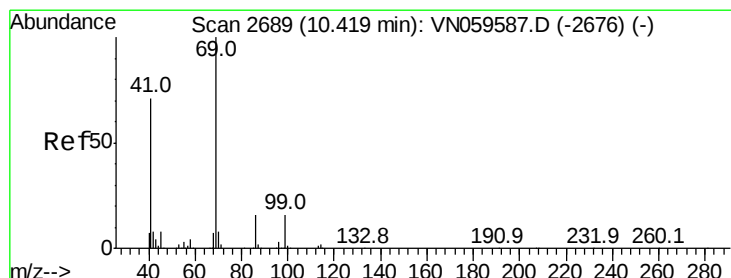
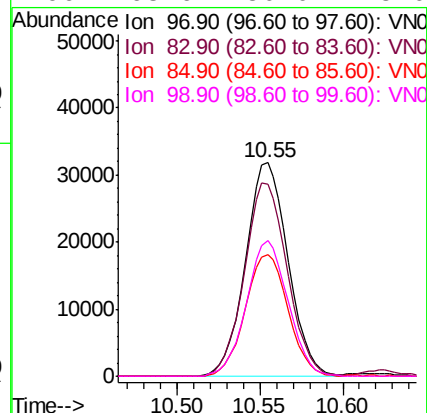
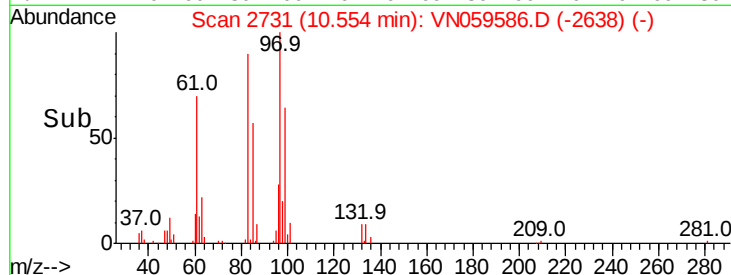
Abundance

Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 18.576 ug/l

RT: 10.42 min Scan# 2690

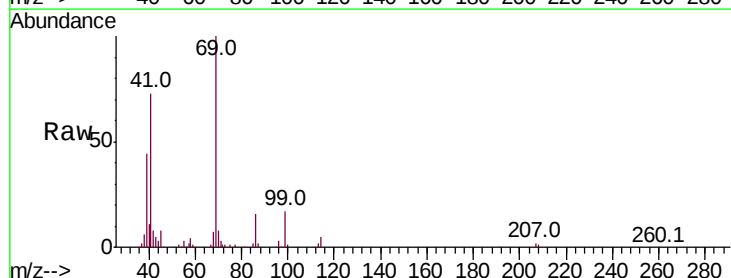
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 69 Resp: 83147

Ion	Ratio	Lower	Upper
69	100		
41	70.8	57.1	85.7
39	42.8	34.7	52.1

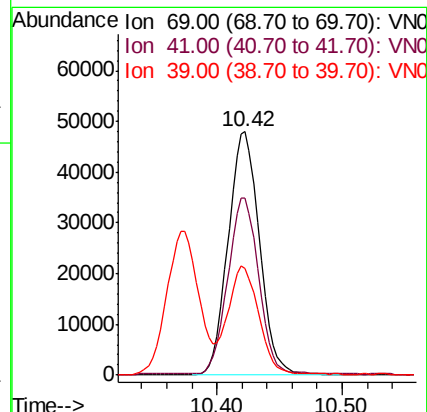
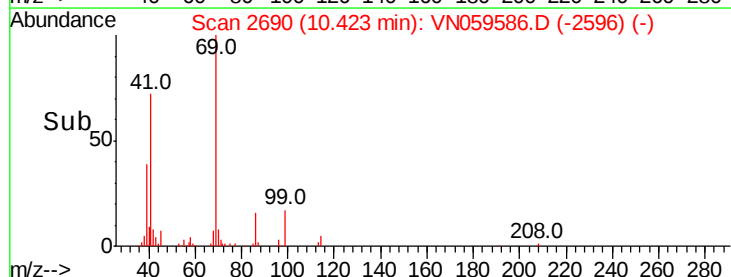


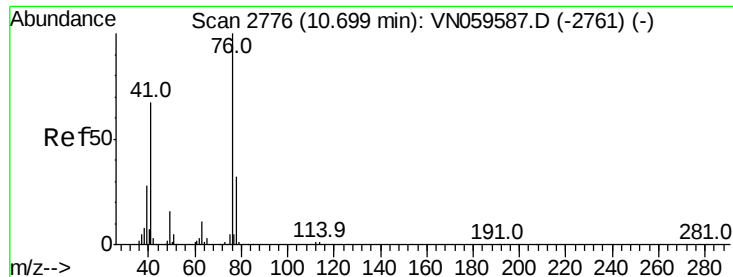
Abundance

Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.281 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

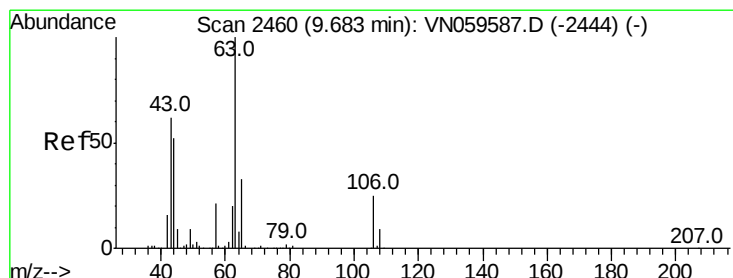
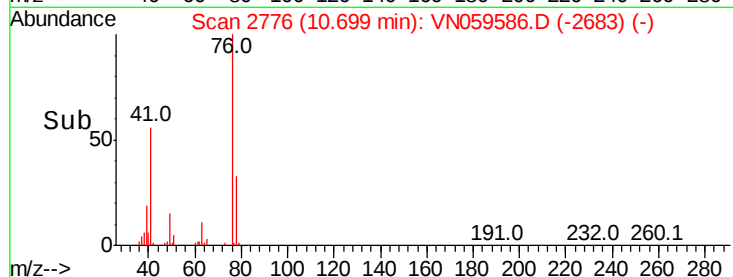
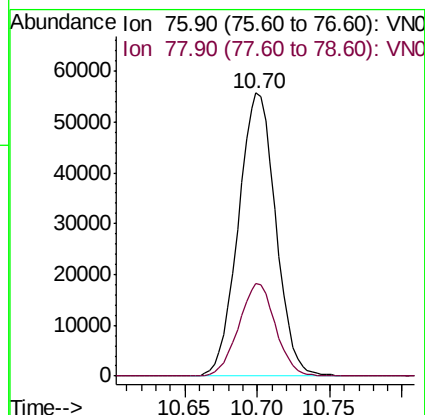
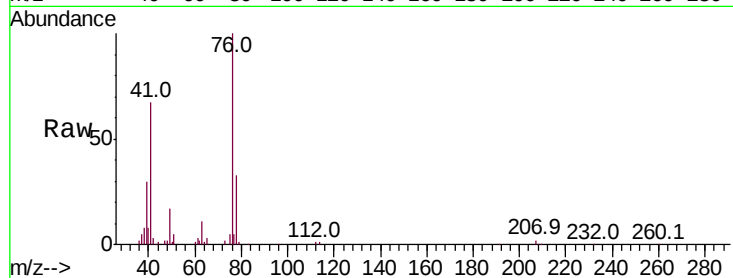
ClientSampleId :

Tot Ion: 76 Resp: 99771

Ion Ratio Lower Upper

76 100

78 32.3 25.8 38.8



#58

2-Chloroethyl Vinyl ether

Concen: 114.487 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. 0.00 min

Lab File: VN059586.D

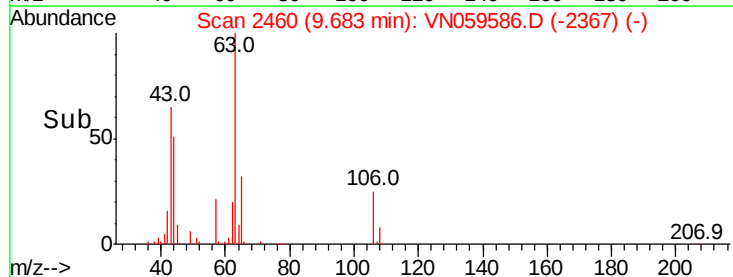
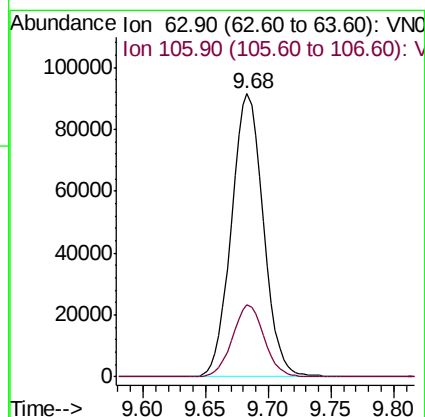
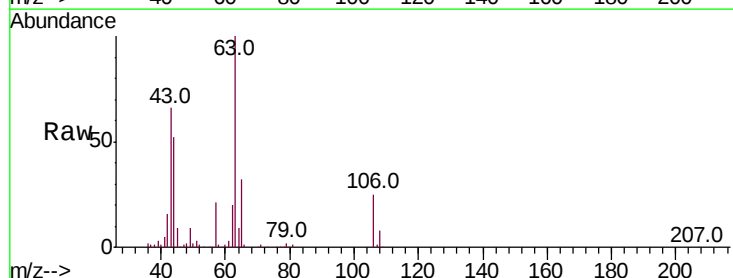
Acq: 13 Dec 2019 16:22

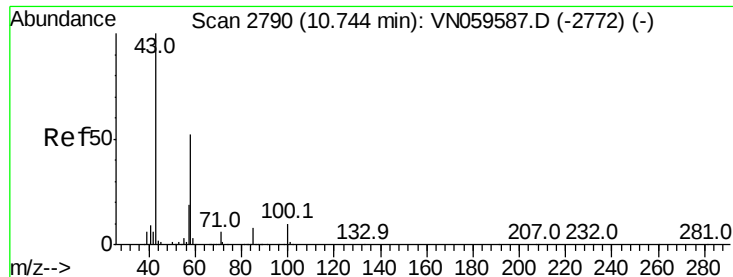
Tgt Ion: 63 Resp: 162284

Ion Ratio Lower Upper

63 100

106 25.2 20.2 30.2

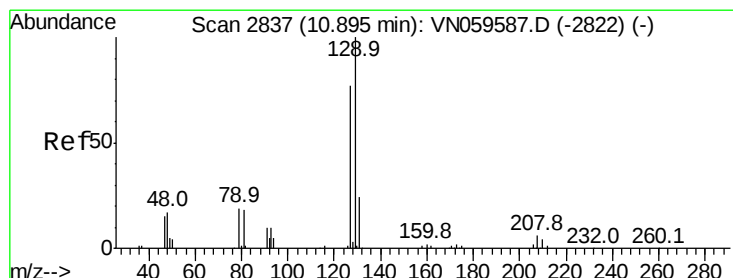
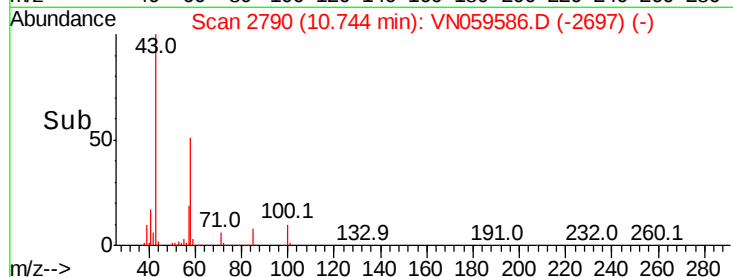
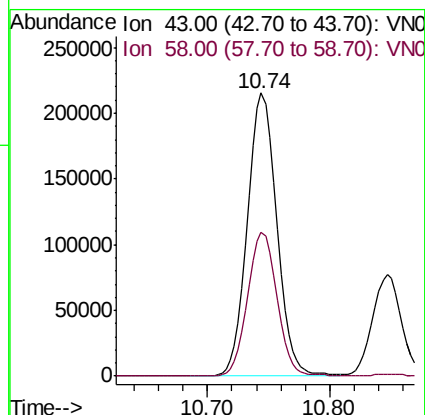
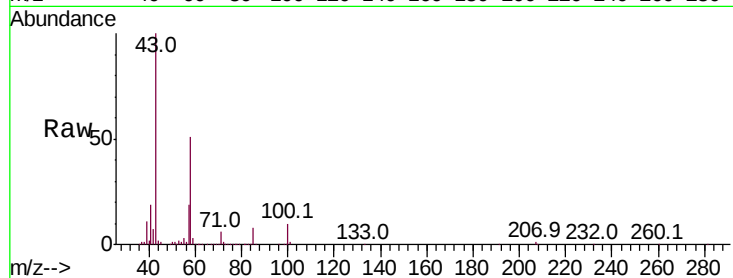




#59
2-Hexanone
Concen: 106.739 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

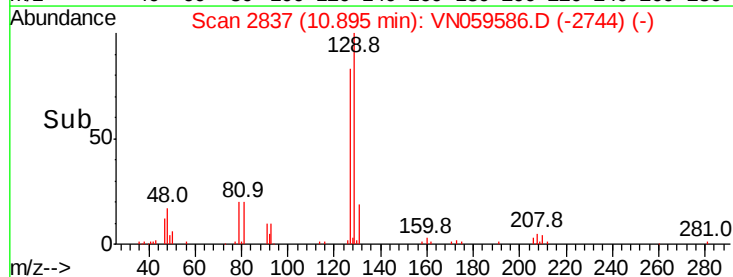
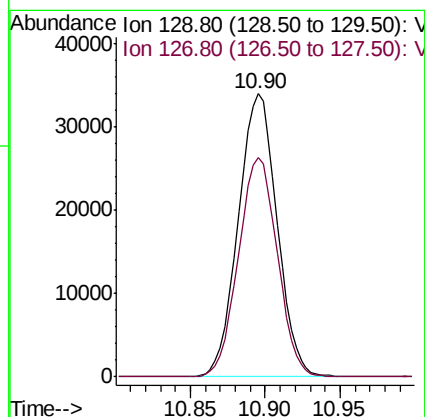
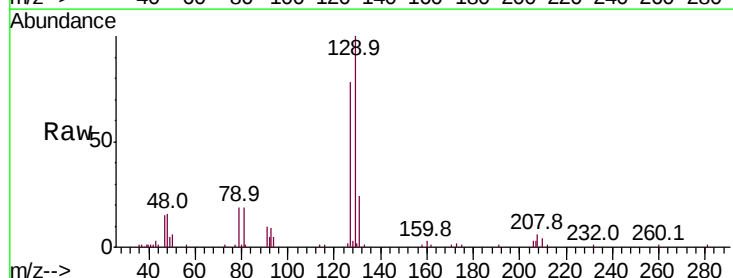
Instrument :
MSVOA_N
ClientSampled :

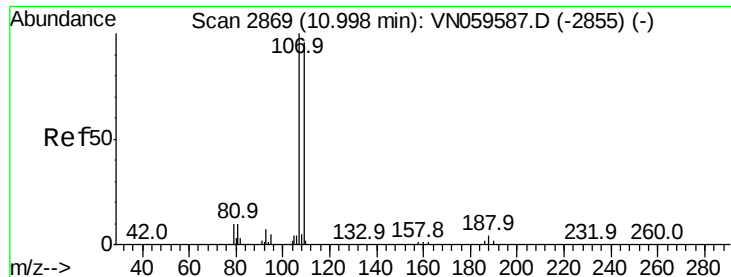
Tot Ion: 43 Resp: 357138
Ion Ratio Lower Upper
43 100
58 51.0 25.8 77.3



#60
Dibromochloromethane
Concen: 18.690 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion: 129 Resp: 61368
Ion Ratio Lower Upper
129 100
127 77.6 38.5 115.5





#61

1,2-Dibromoethane

Concen: 18.781 ug/l

RT: 11.00 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

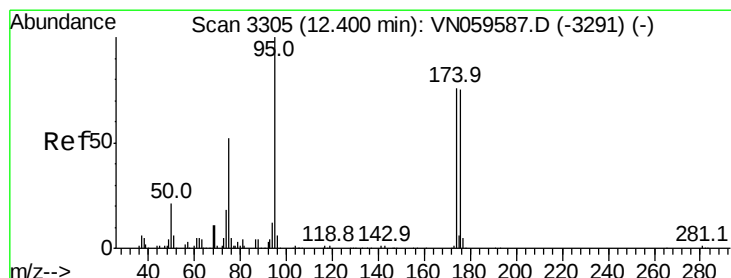
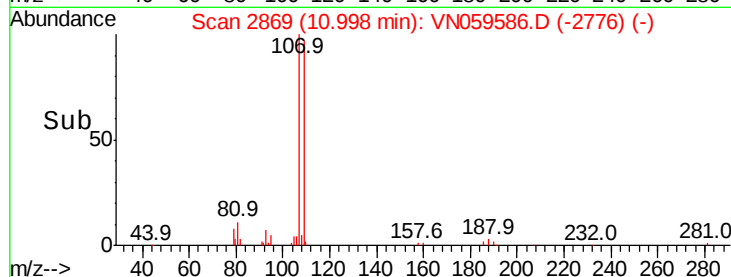
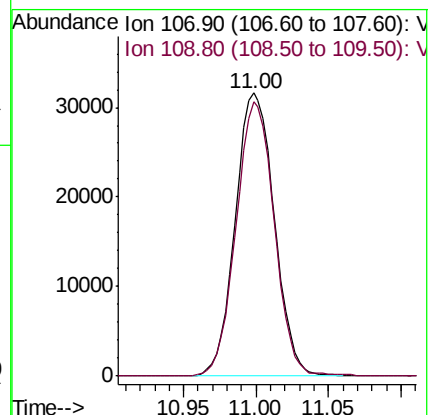
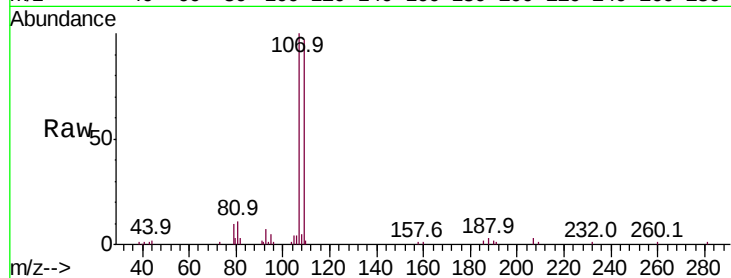
ClientSampleId :

Tot Ion:107 Resp: 59130

Ion Ratio Lower Upper

107 100

109 94.6 76.6 115.0



#62

4-Bromofluorobenzene

Concen: 19.019 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

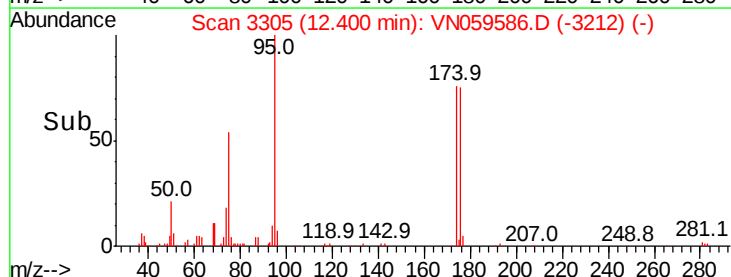
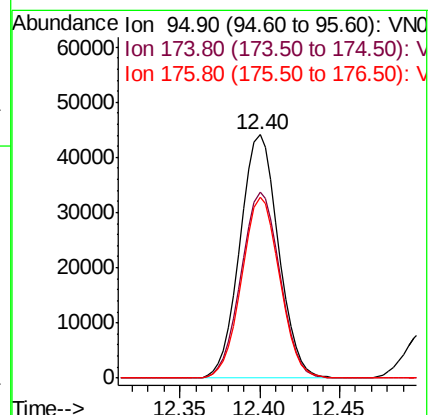
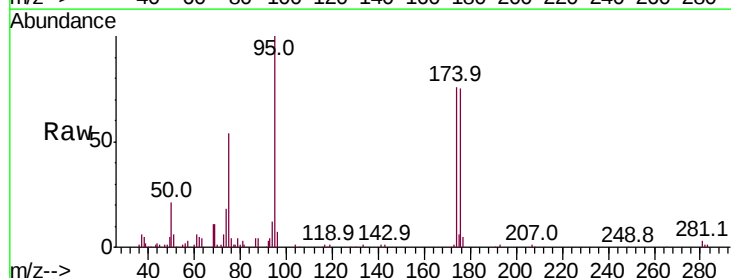
Tgt Ion: 95 Resp: 72192

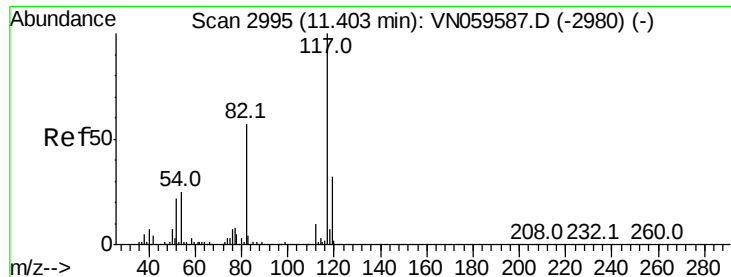
Ion Ratio Lower Upper

95 100

174 77.0 0.0 151.4

176 73.5 0.0 146.0

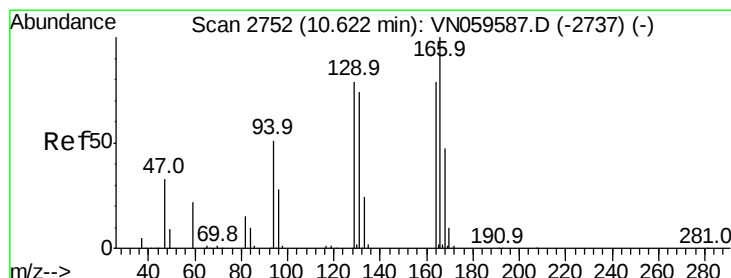
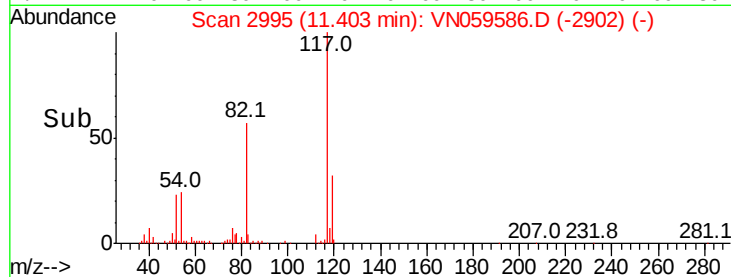
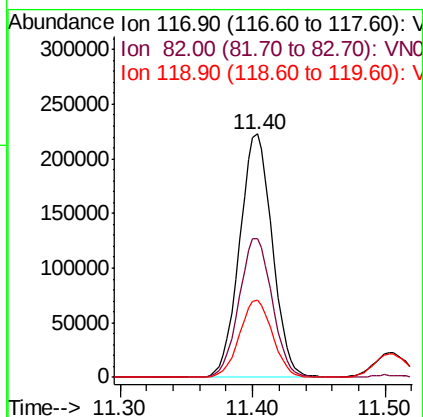
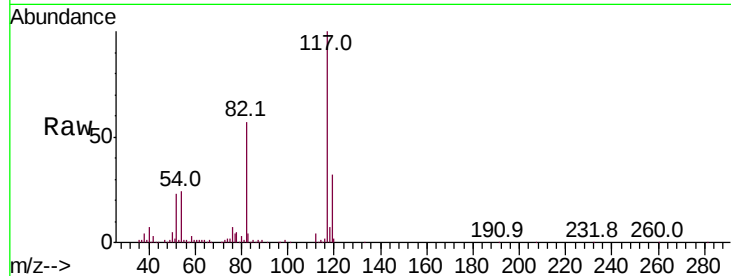




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

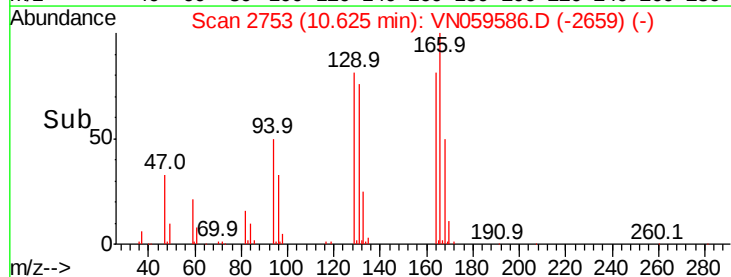
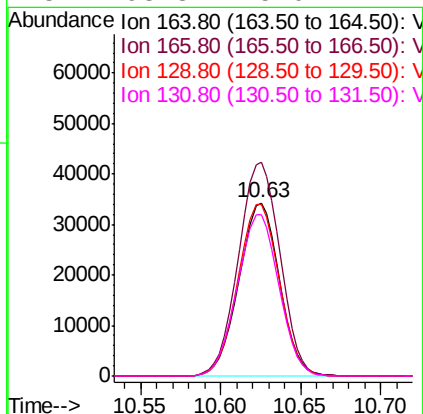
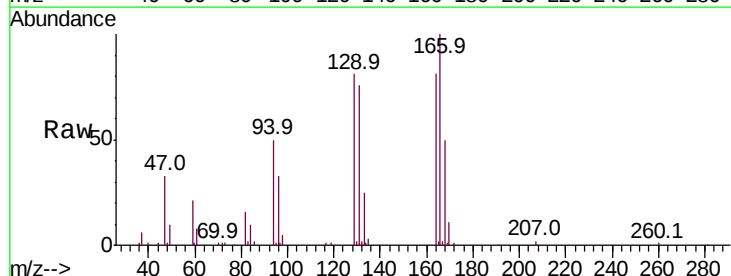
Instrument :
MSVOA_N
ClientSampleId :

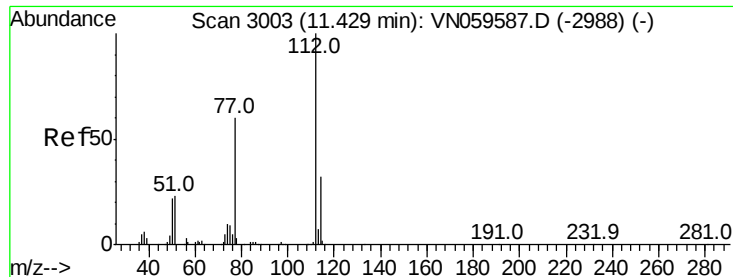
Tot Ion	Ratio	Lower	Upper
117	100		
82	57.2	45.9	68.9
119	31.8	25.5	38.3



#64
Tetrachloroethene
Concen: 19.964 ug/l
RT: 10.63 min Scan# 2753
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
164	100		
166	123.2	101.4	152.0
129	99.2	80.2	120.4
131	93.3	75.0	112.4





#65

Chlorobenzene

Concen: 18.422 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

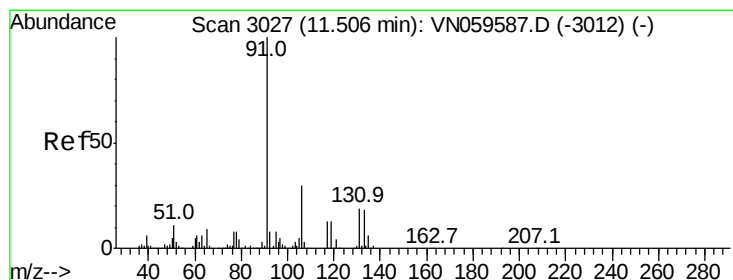
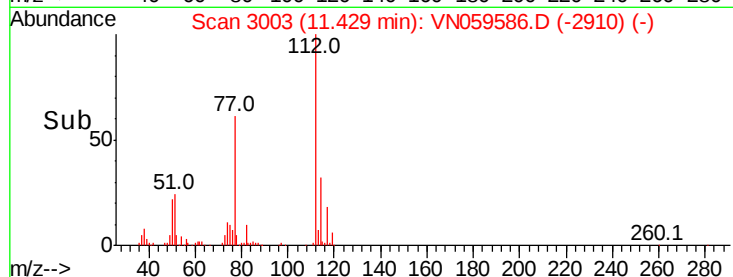
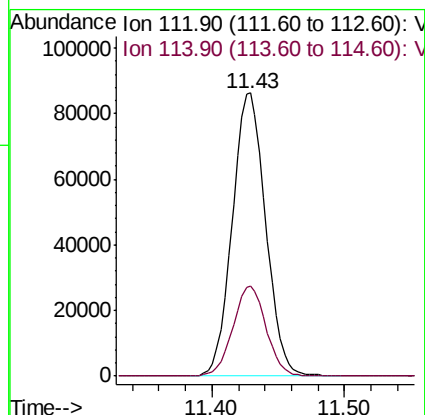
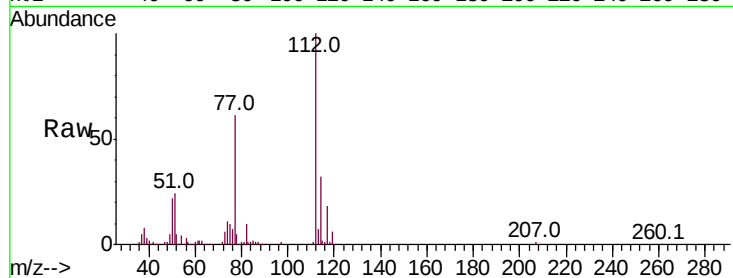
ClientSampled :

Tot Ion:112 Resp: 150472

Ion Ratio Lower Upper

112 100

114 31.8 25.8 38.8



#66

1,1,1,2-Tetrachloroethane

Concen: 18.627 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

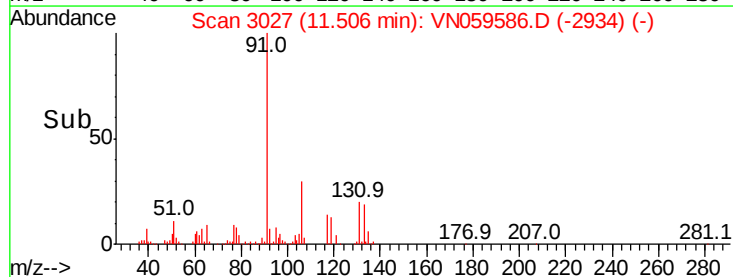
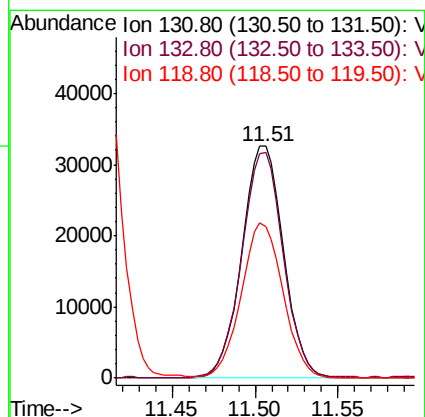
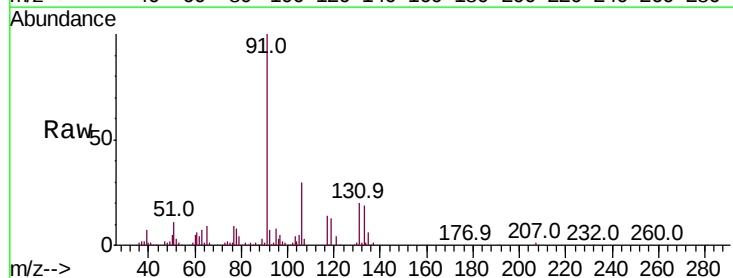
Tgt Ion:131 Resp: 56840

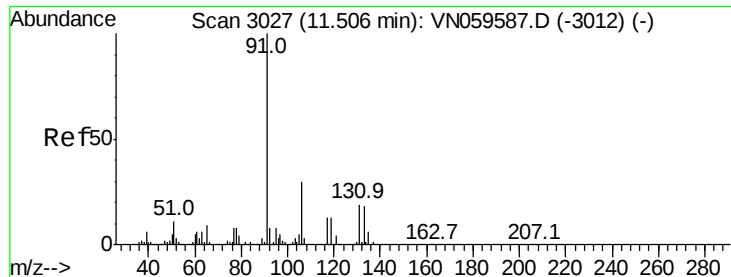
Ion Ratio Lower Upper

131 100

133 97.7 47.4 142.2

119 67.2 33.1 99.3





#67

Ethyl Benzene

Concen: 18.695 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

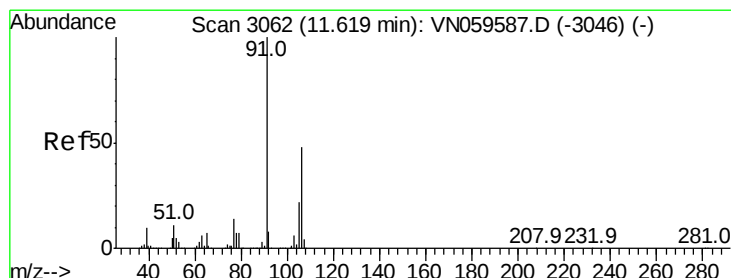
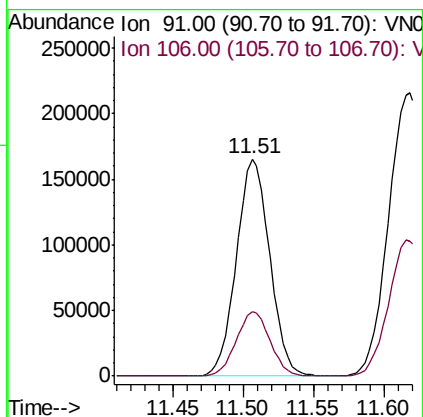
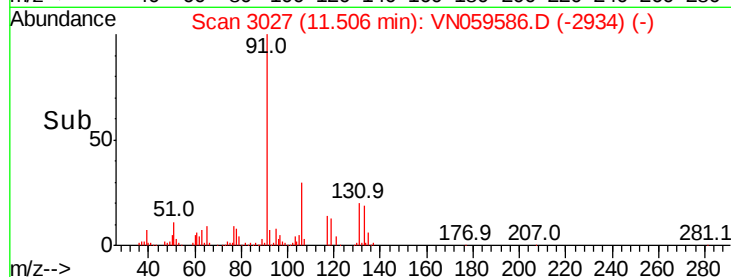
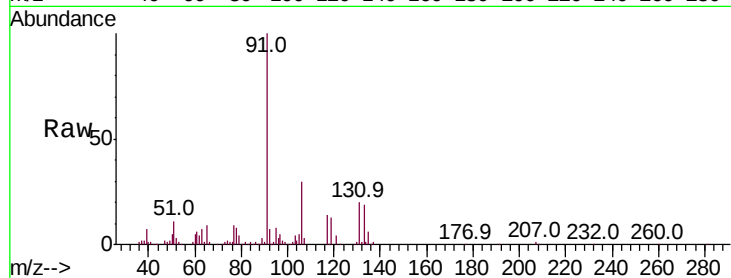
ClientSampled :

Tot Ion: 91 Resp: 274379

Ion Ratio Lower Upper

91 100

106 29.6 24.1 36.1



#68

m/p-Xylenes

Concen: 37.177 ug/l

RT: 11.62 min Scan# 3061

Delta R.T. -0.00 min

Lab File: VN059586.D

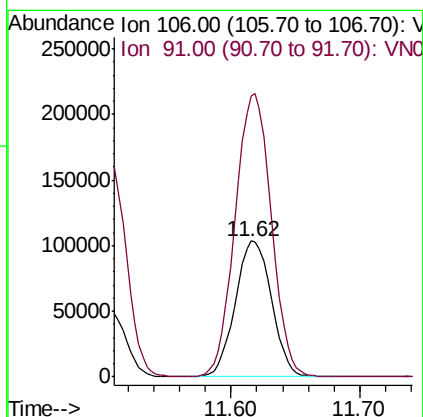
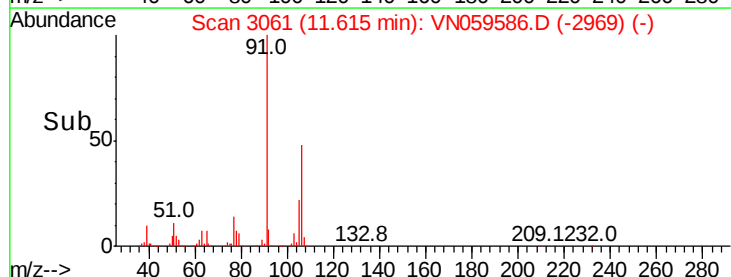
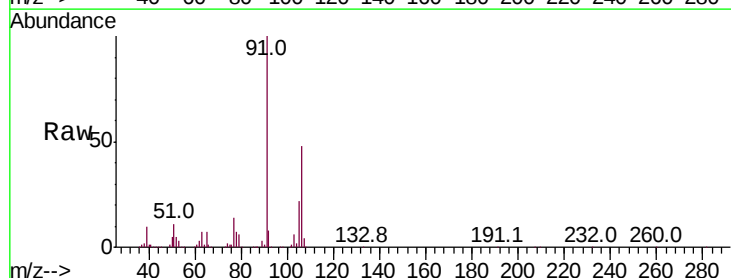
Acq: 13 Dec 2019 16:22

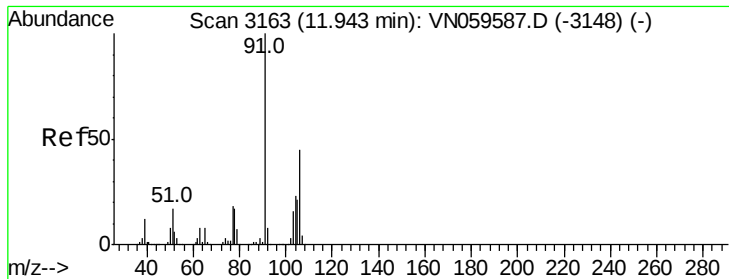
Tgt Ion: 106 Resp: 202128

Ion Ratio Lower Upper

106 100

91 208.0 167.9 251.9

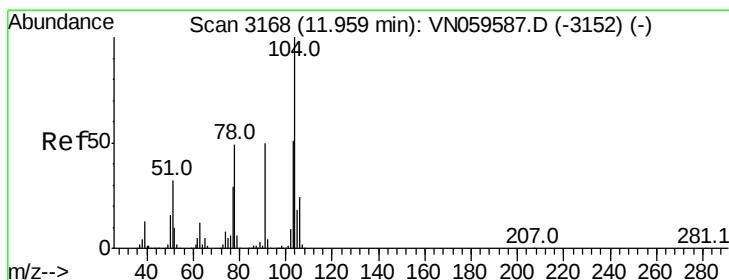
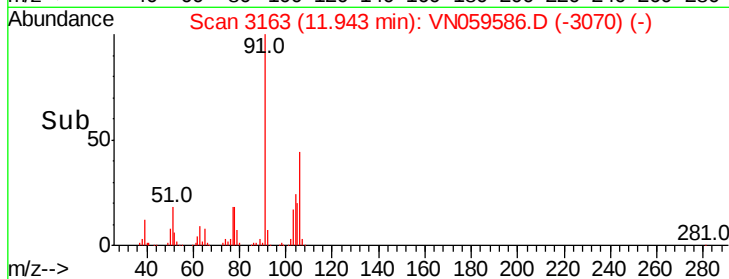
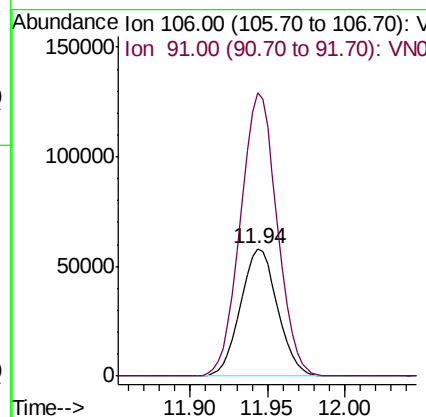
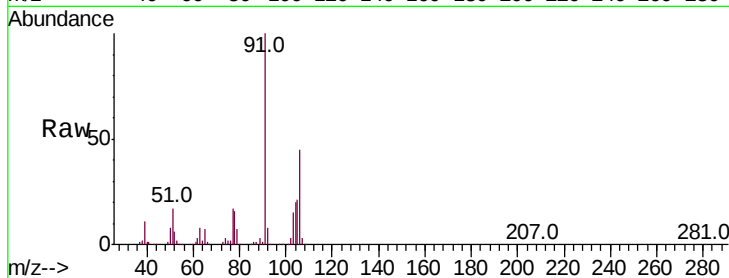




#69
o-Xylene
Concen: 18.968 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

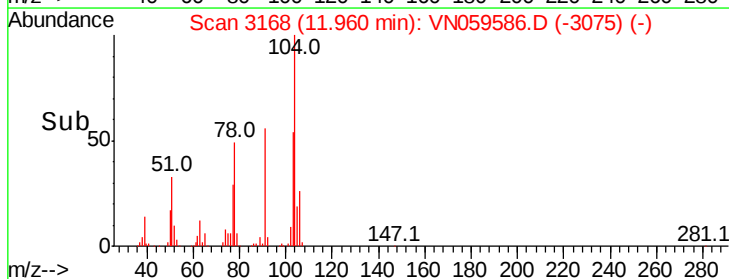
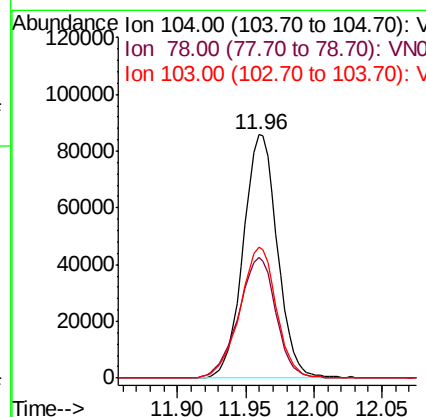
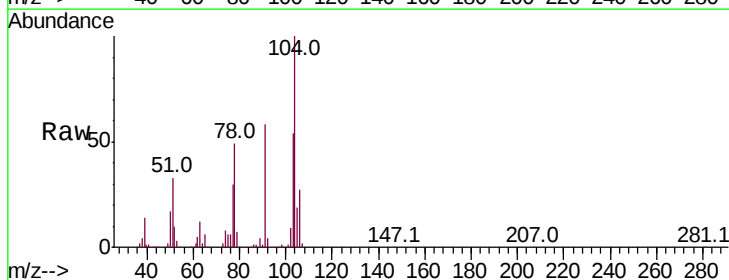
Instrument :
MSVOA_N
ClientSampled :

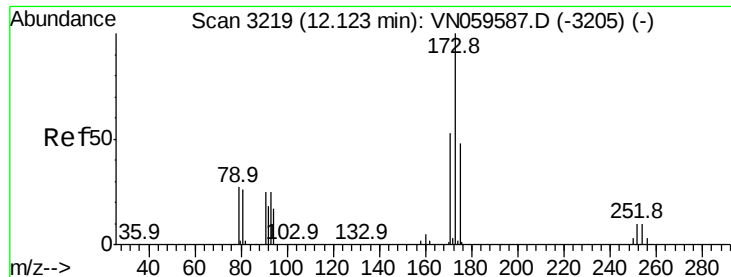
Tot Ion:106 Resp: 96291
Ion Ratio Lower Upper
106 100
91 221.0 110.3 330.9



#70
Styrene
Concen: 17.731 ug/l
RT: 11.96 min Scan# 3168
Delta R.T. 0.00 min
Lab File: VN059586.D
Acq: 13 Dec 2019 16:22

Tgt Ion:104 Resp: 149059
Ion Ratio Lower Upper
104 100
78 54.4 42.4 63.6
103 57.5 43.9 65.9





#71

Bromoform

Concen: 17.731 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

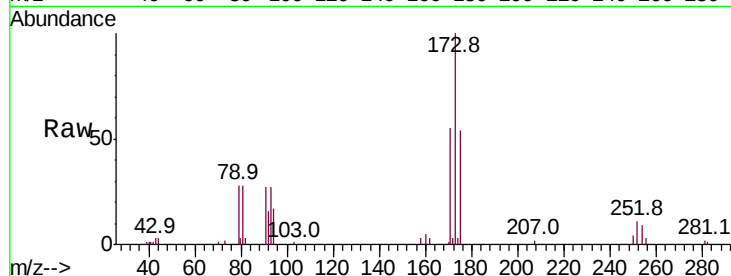
Tot Ion:173 Resp: 41946

Ion Ratio Lower Upper

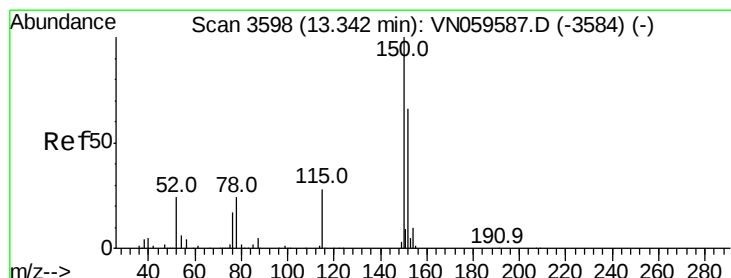
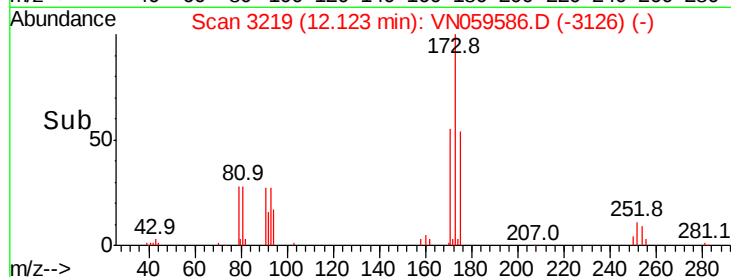
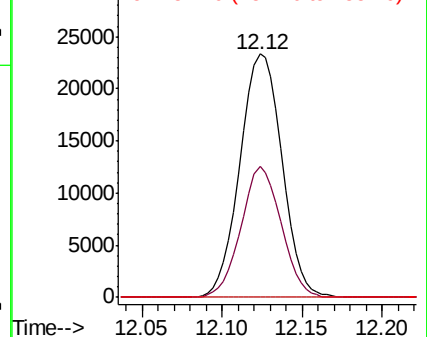
173 100

175 51.1 23.8 71.4

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

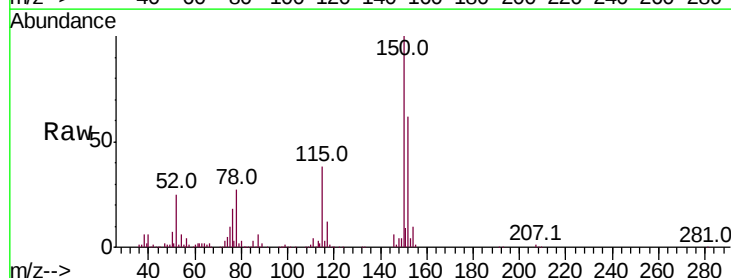
Tgt Ion:152 Resp: 176388

Ion Ratio Lower Upper

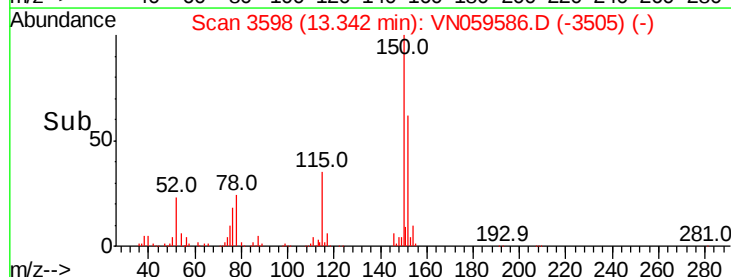
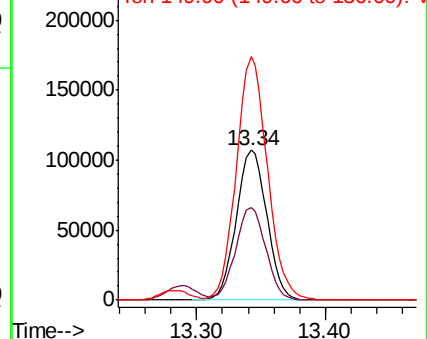
152 100

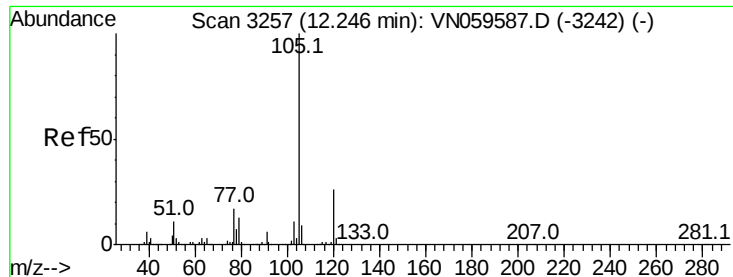
115 61.3 30.3 90.9

150 164.7 0.0 345.2



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





#73

Isopropylbenzene

Concen: 18.461 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

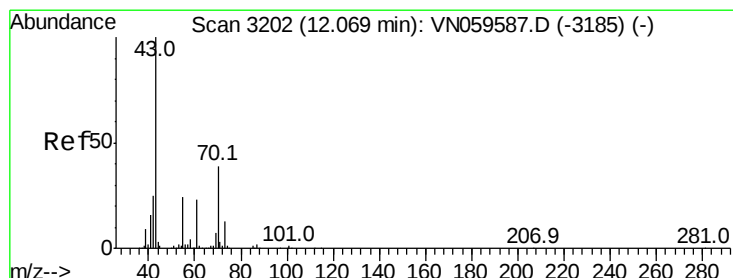
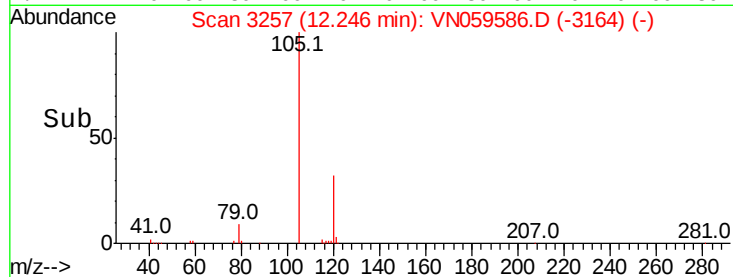
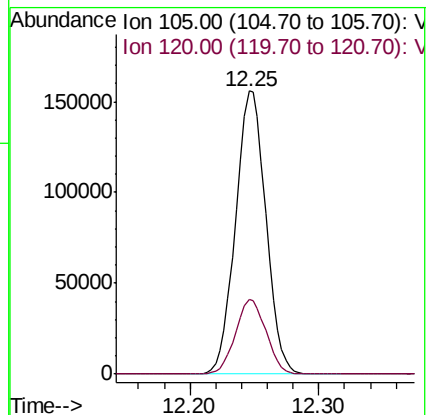
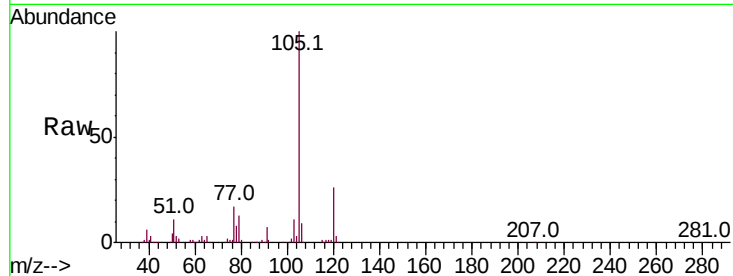
ClientSampled :

Tot Ion:105 Resp: 254551

Ion Ratio Lower Upper

105 100

120 26.6 13.2 39.5



#74

N-ethyl acetate

Concen: 19.668 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Tgt Ion: 43 Resp: 118813

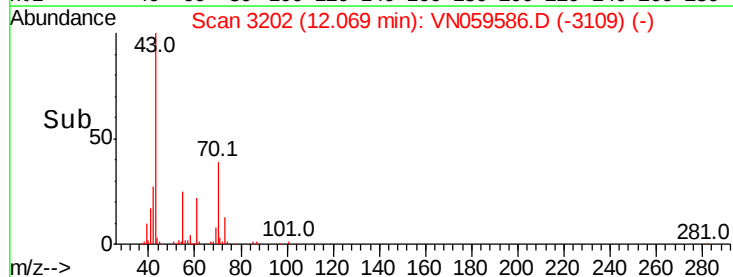
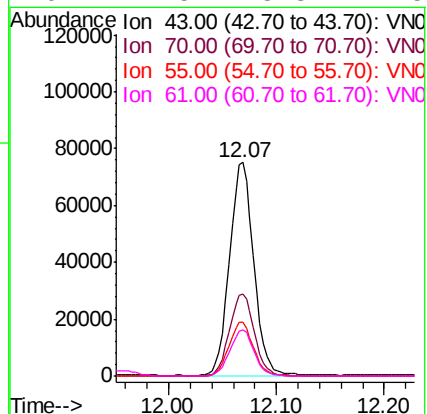
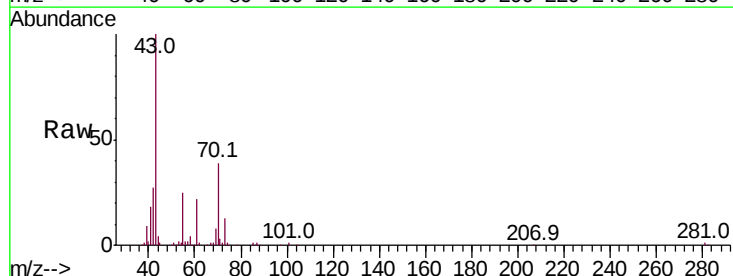
Ion Ratio Lower Upper

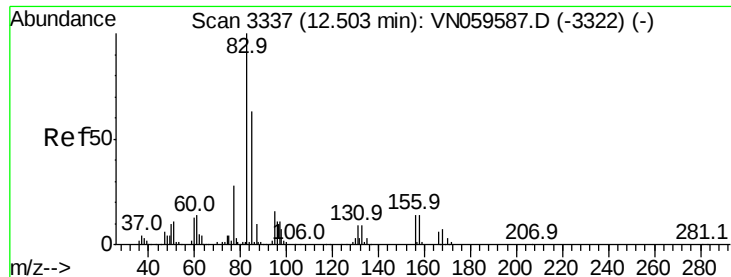
43 100

70 38.9 31.3 46.9

55 25.2 19.8 29.6

61 21.5 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 17.740 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

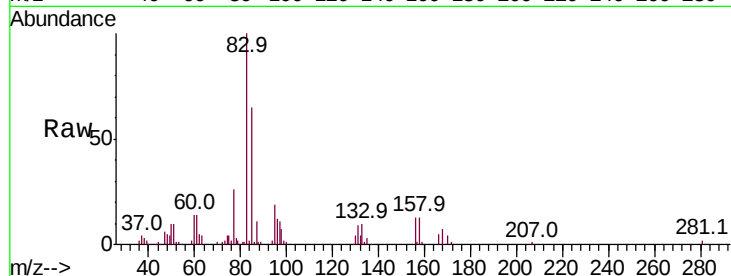
Tot Ion: 83 Resp: 81633

Ion Ratio Lower Upper

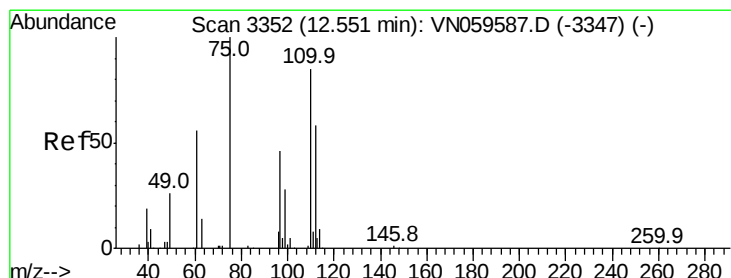
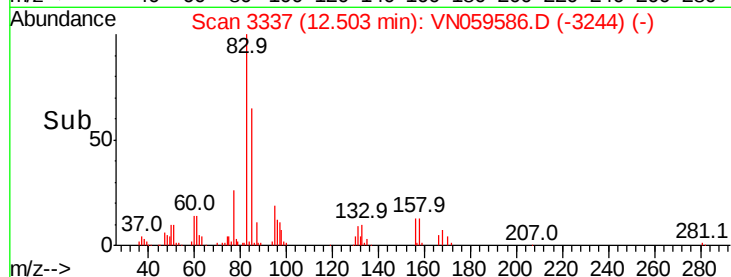
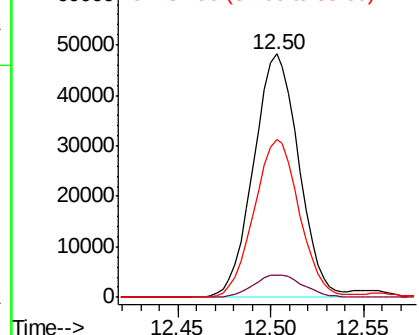
83 100

131 10.0 5.0 14.9

85 65.0 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 25.853 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. 0.00 min

Lab File: VN059586.D

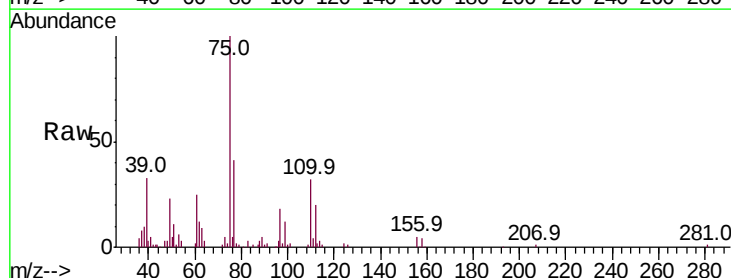
Acq: 13 Dec 2019 16:22

Tgt Ion: 75 Resp: 119988

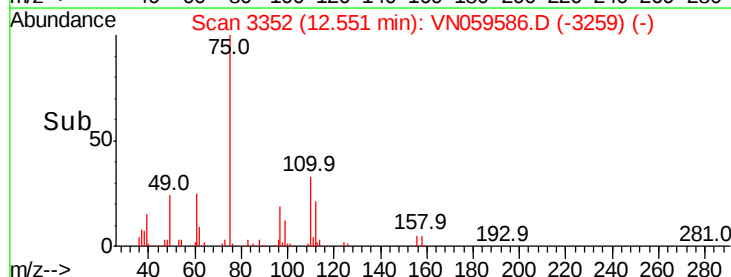
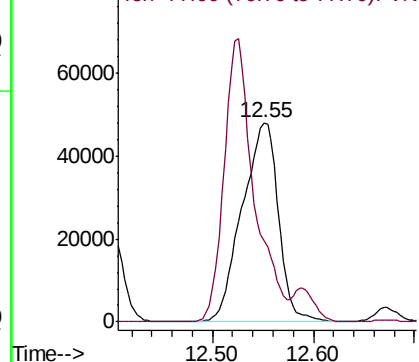
Ion Ratio Lower Upper

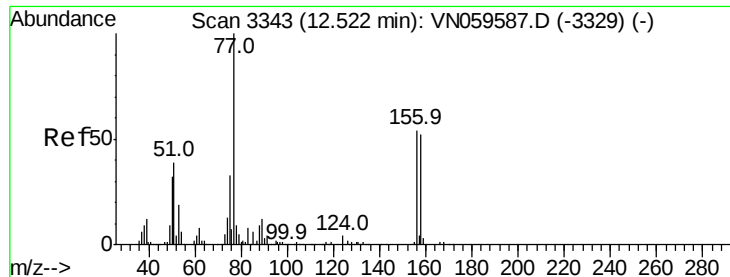
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 18.272 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

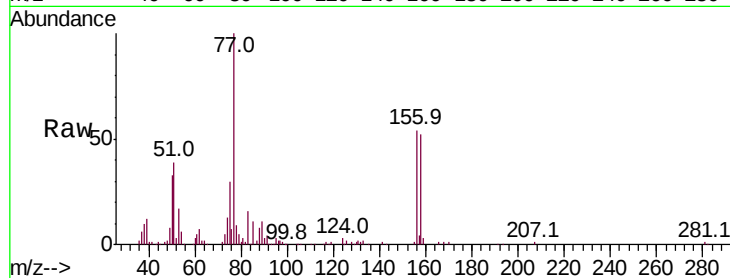
Tot Ion:156 Resp: 61798

Ion Ratio Lower Upper

156 100

77 230.4 115.8 347.4

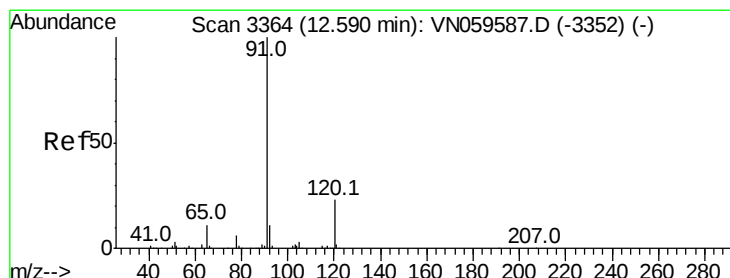
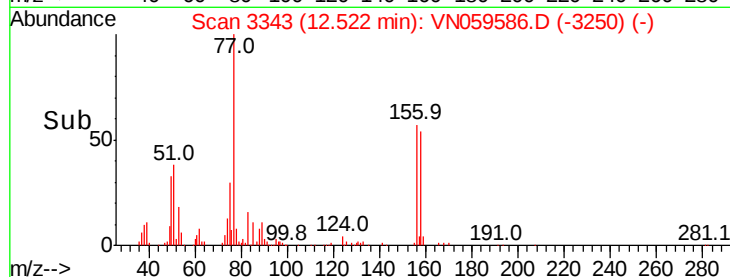
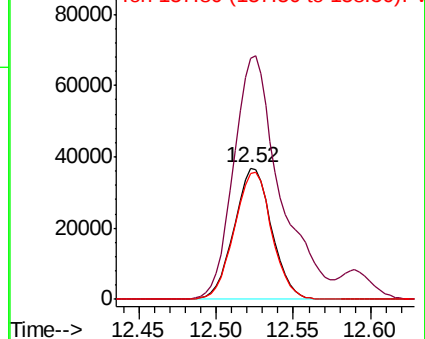
158 96.8 49.2 147.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 18.148 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN059586.D

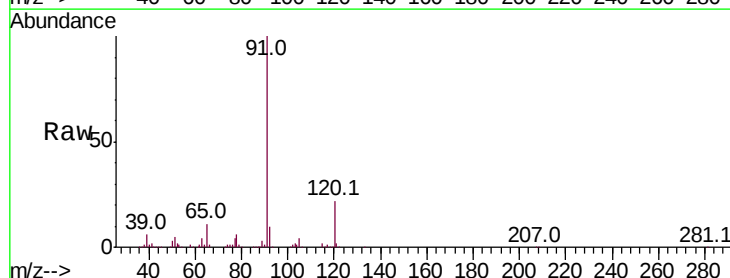
Acq: 13 Dec 2019 16:22

Tgt Ion: 91 Resp: 304187

Ion Ratio Lower Upper

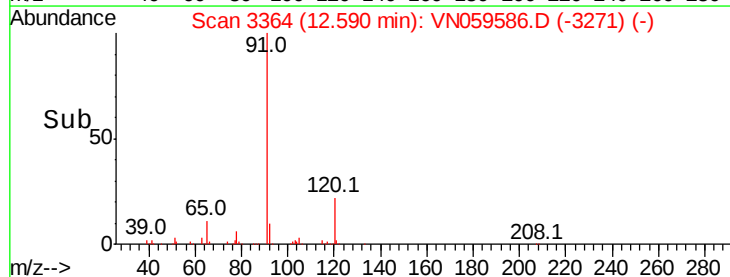
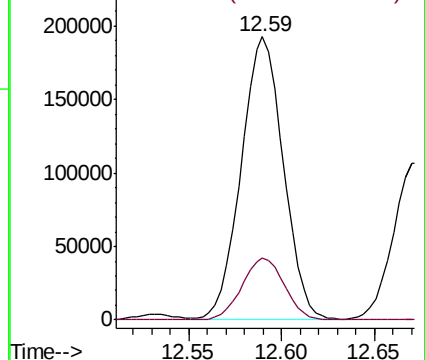
91 100

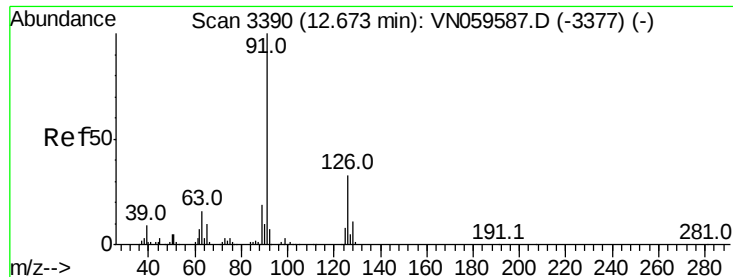
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.026 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

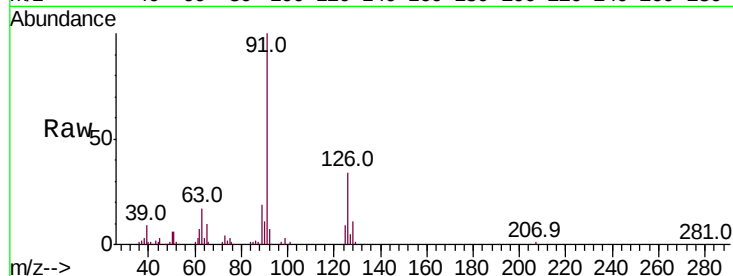
ClientSampled :

Tot Ion: 91 Resp: 180347

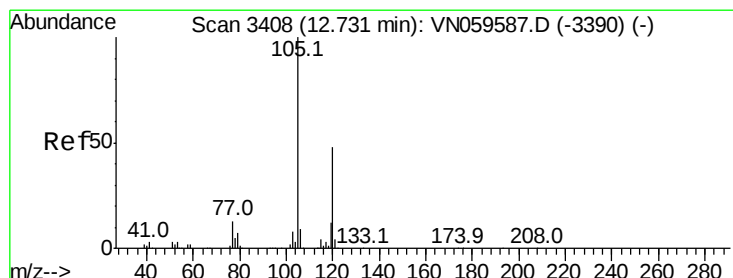
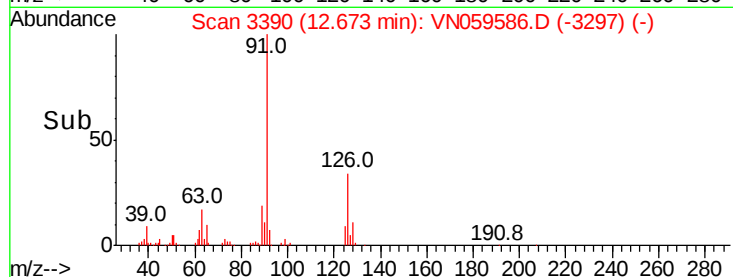
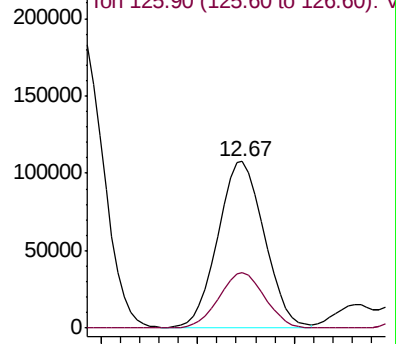
Ion Ratio Lower Upper

91 100

126 32.9 16.3 48.9



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



#80

1,3,5-Trimethylbenzene

Concen: 18.623 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN059586.D

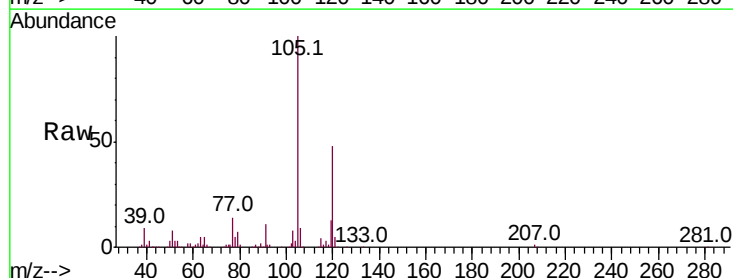
Acq: 13 Dec 2019 16:22

Tgt Ion: 105 Resp: 217285

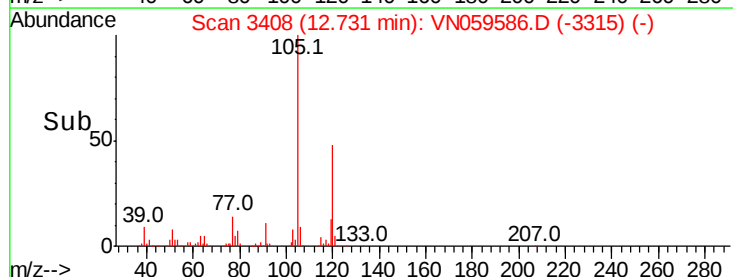
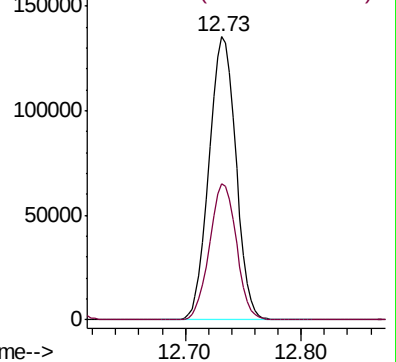
Ion Ratio Lower Upper

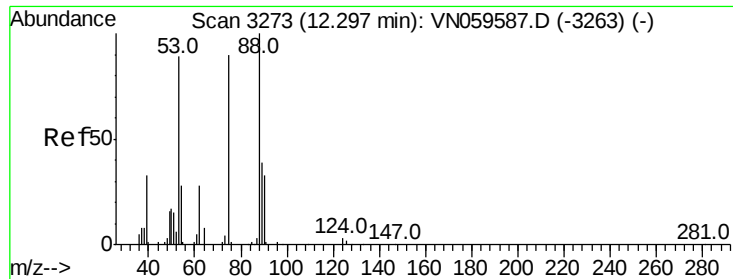
105 100

120 47.9 24.1 72.4



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





#81

trans-1,4-Dichloro-2-butene

Concen: 17.934 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

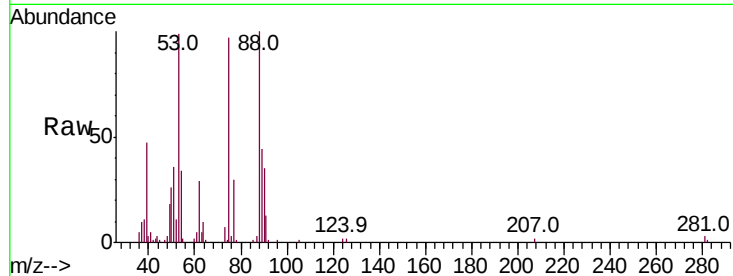
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 31515

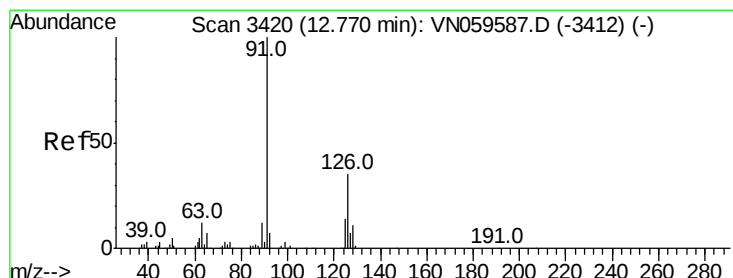
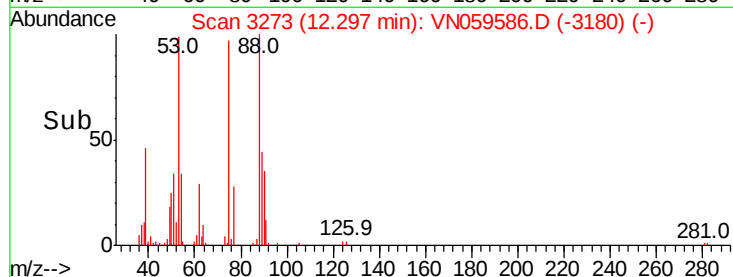
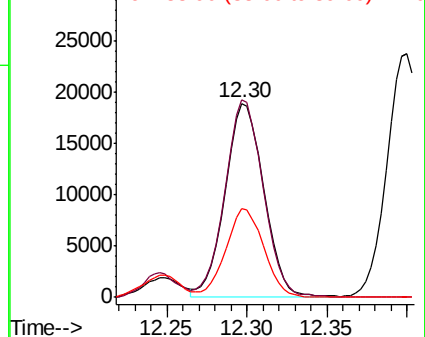
Ion	Ratio	Lower	Upper
75	100		
53	100.4	78.1	117.1
89	44.4	35.4	53.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 18.217 ug/l

RT: 12.77 min Scan# 3420

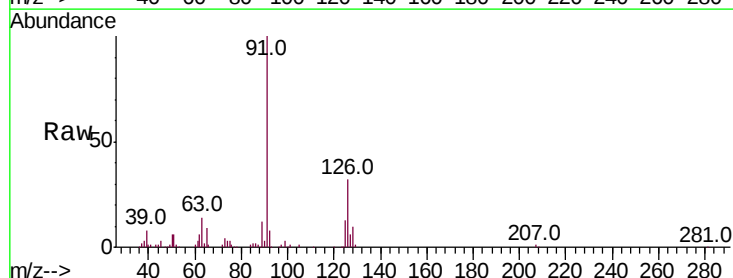
Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

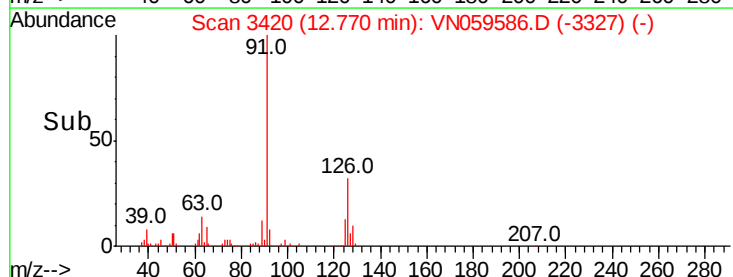
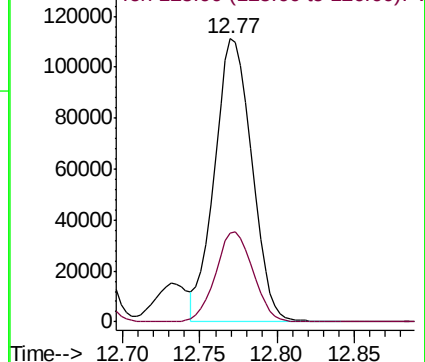
Tgt Ion: 91 Resp: 185645

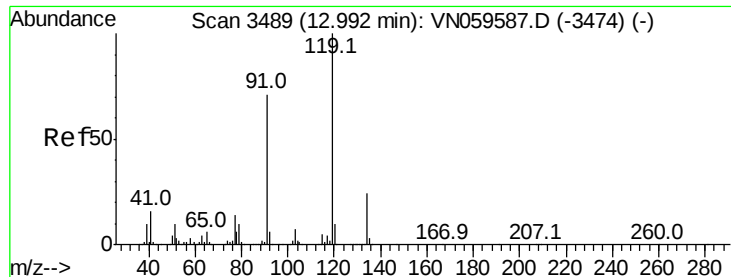
Ion	Ratio	Lower	Upper
91	100		
126	32.1	16.3	48.8



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#83

tert-Butylbenzene

Concen: 18.671 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampled :

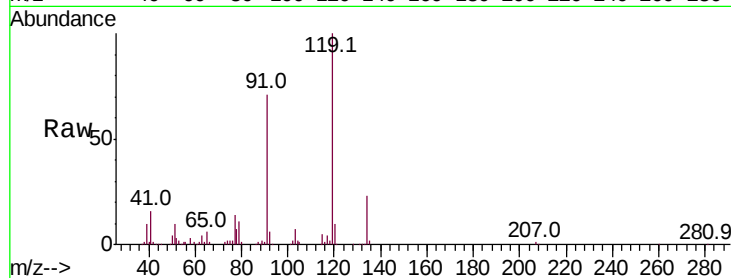
Tot Ion:119 Resp: 181318

Ion Ratio Lower Upper

119 100

91 68.6 34.8 104.4

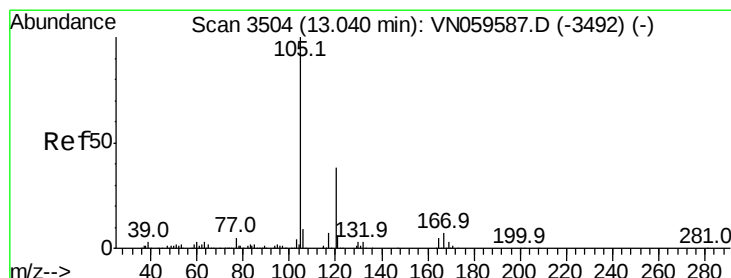
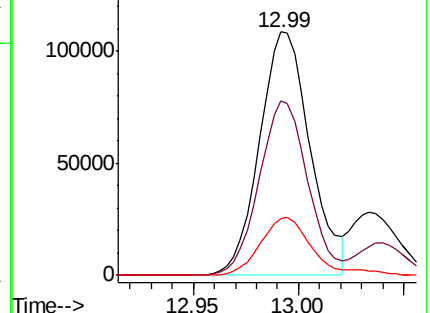
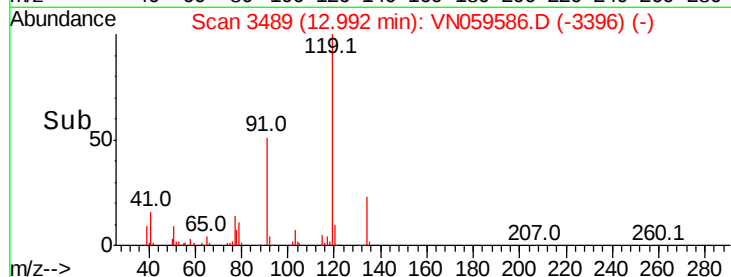
134 24.7 12.3 36.9



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: 18.668 ug/l

RT: 13.04 min Scan# 3504

Delta R.T. 0.00 min

Lab File: VN059586.D

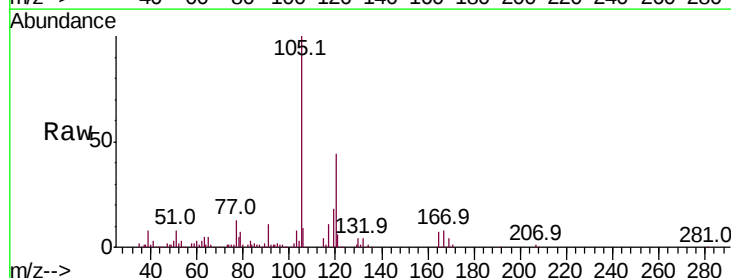
Acq: 13 Dec 2019 16:22

Tgt Ion:105 Resp: 214823

Ion Ratio Lower Upper

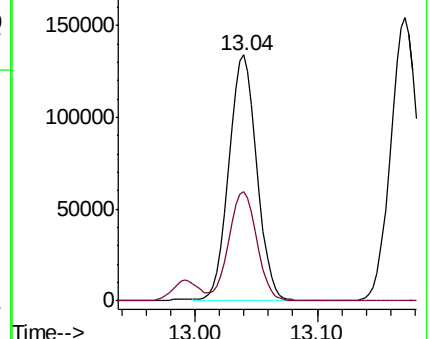
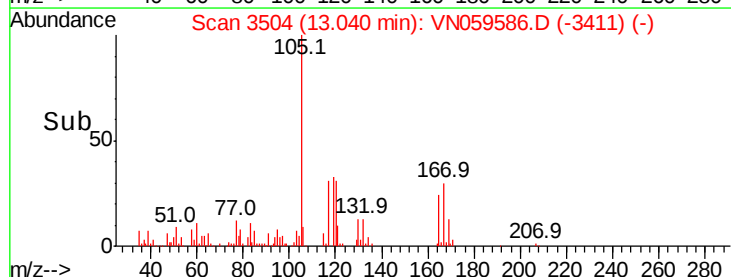
105 100

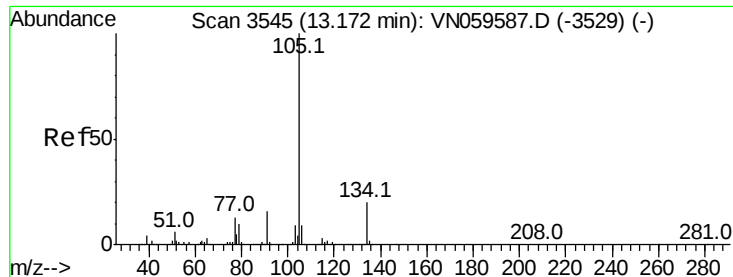
120 44.7 22.3 66.9



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 18.259 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

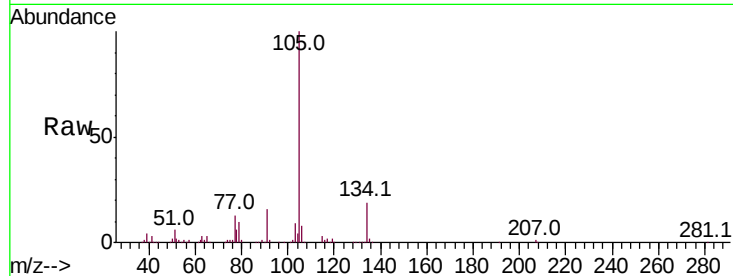
ClientSampled :

Tot Ion:105 Resp: 242919

Ion Ratio Lower Upper

105 100

134 19.4 9.8 29.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

150000

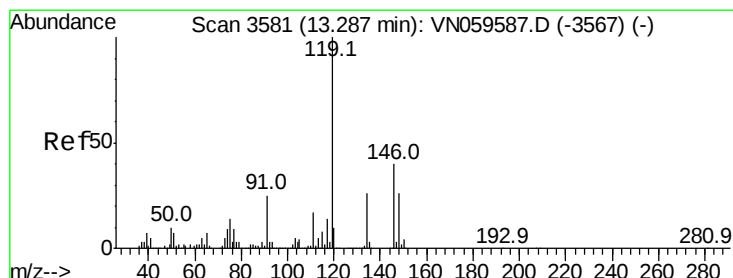
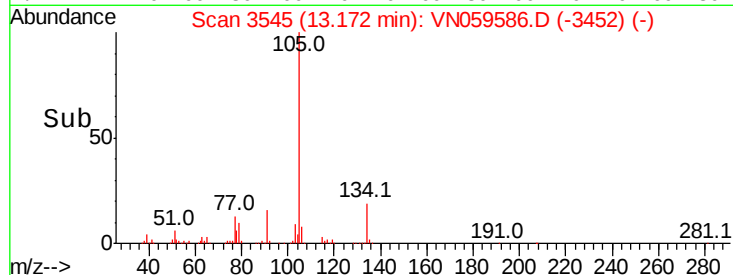
100000

50000

0

13.10 13.15 13.20 13.25

Time-->



#86

p-Isopropyltoluene

Concen: 18.396 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

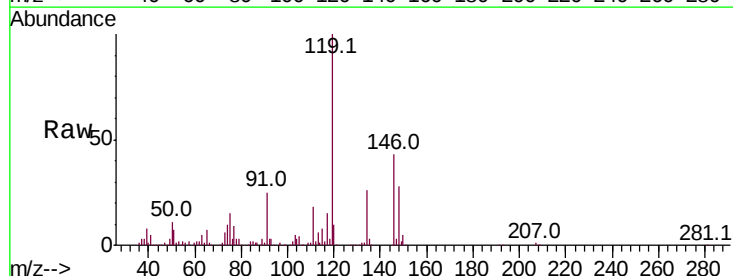
Tgt Ion:119 Resp: 218365

Ion Ratio Lower Upper

119 100

134 25.4 12.9 38.7

91 25.2 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

150000

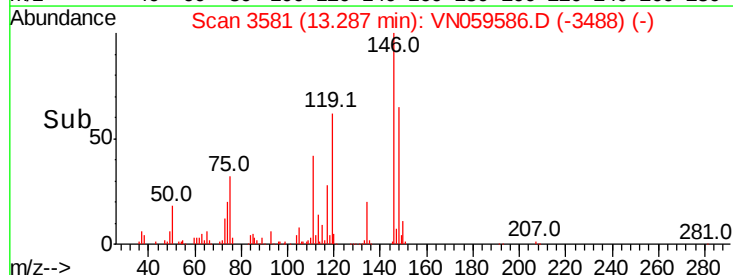
100000

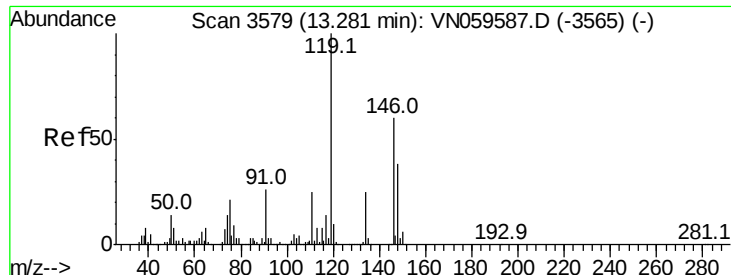
50000

0

13.25 13.30 13.35

Time-->





#87

1,3-Dichlorobenzene

Concen: 17.889 ug/l

RT: 13.28 min Scan# 3579

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

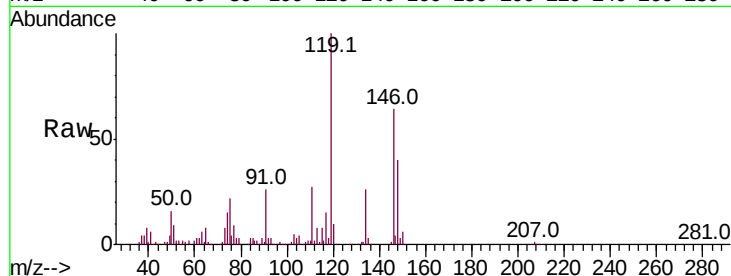
Tot Ion:146 Resp: 110875

Ion Ratio Lower Upper

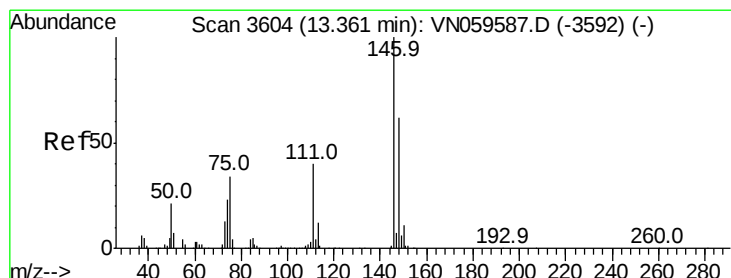
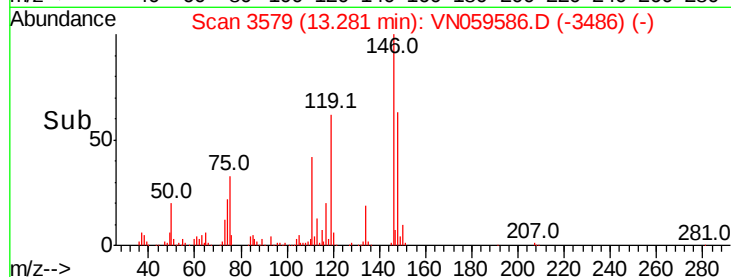
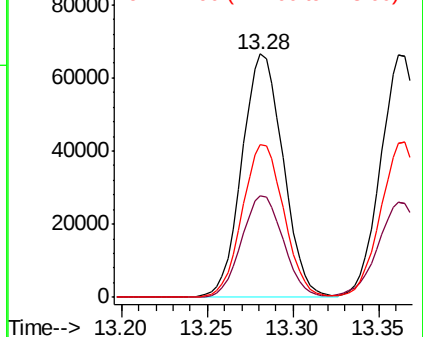
146 100

111 42.3 20.8 62.2

148 63.3 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: 18.182 ug/l

RT: 13.36 min Scan# 3604

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

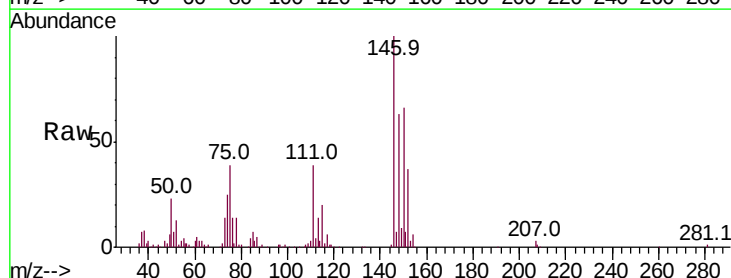
Tgt Ion:146 Resp: 110106

Ion Ratio Lower Upper

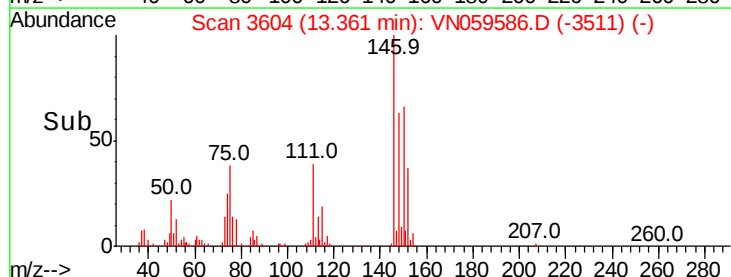
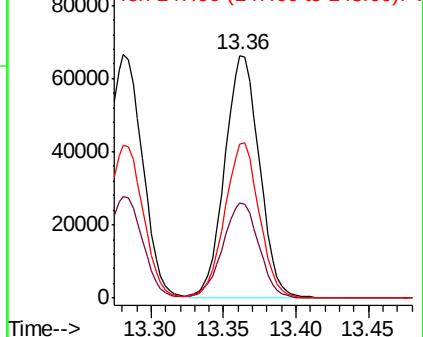
146 100

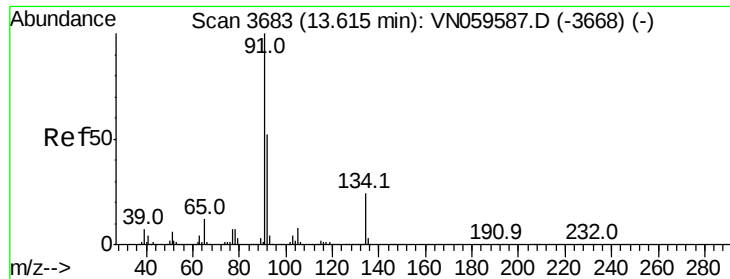
111 41.4 20.8 62.2

148 63.9 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: 17.872 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampleId :

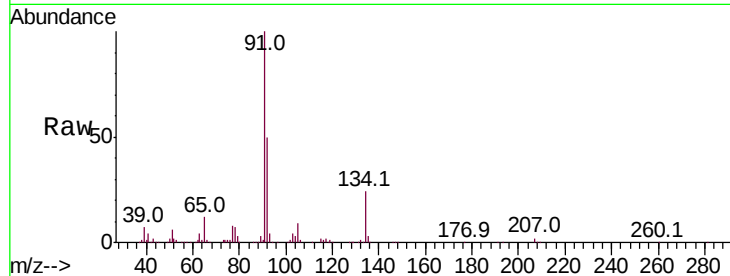
Tot Ion: 91 Resp: 199976

Ion Ratio Lower Upper

91 100

92 50.4 25.9 77.7

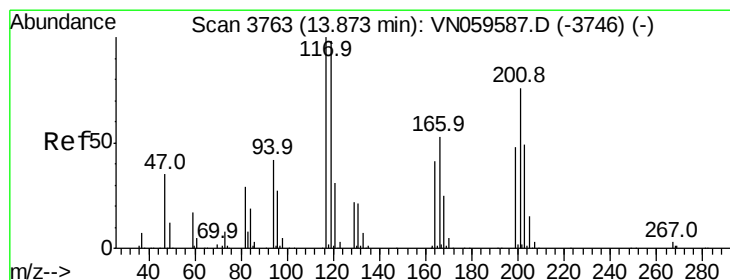
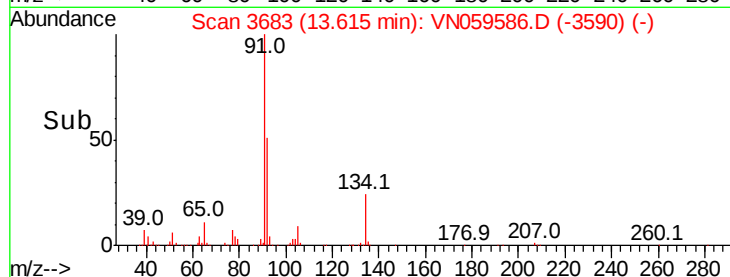
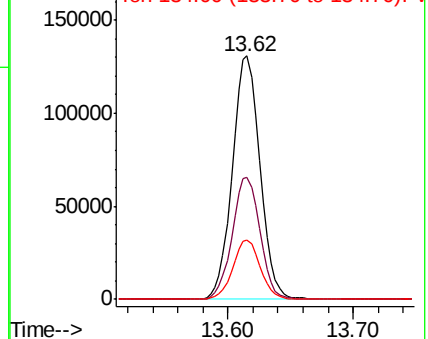
134 24.1 12.3 36.8



Abundance Ion 91.00 (90.70 to 91.70): VN059586.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059586.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059586.D (-3668) (-)



#90

Hexachloroethane

Concen: 18.644 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN059586.D

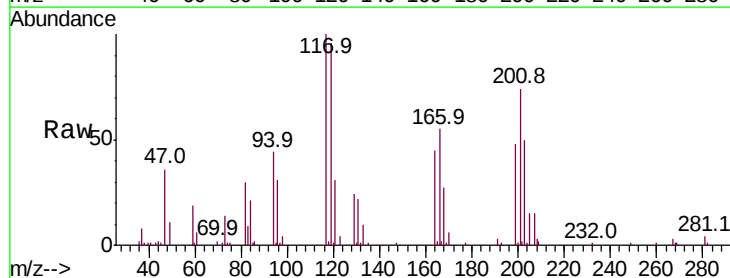
Acq: 13 Dec 2019 16:22

Tgt Ion: 117 Resp: 40898

Ion Ratio Lower Upper

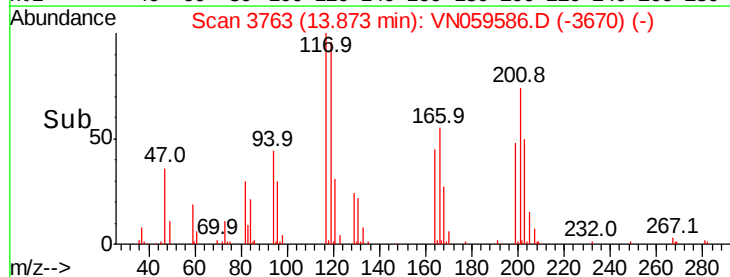
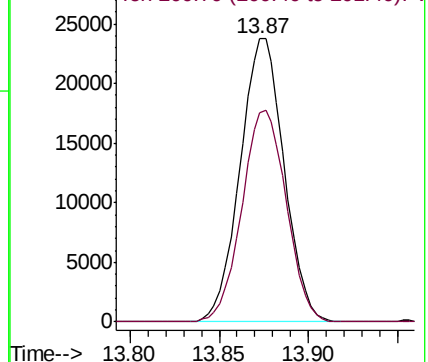
117 100

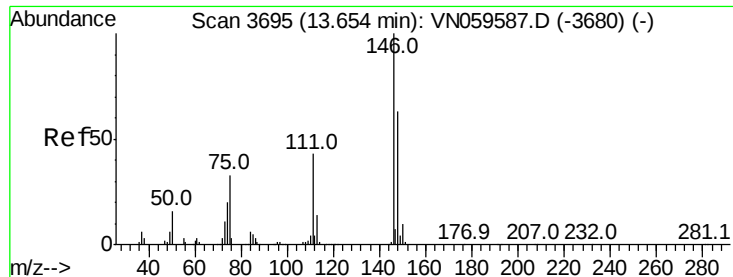
201 75.4 37.8 113.4



Abundance Ion 116.80 (116.50 to 117.50): VN059586.D (-3746) (-)

Ion 200.70 (200.40 to 201.40): VN059586.D (-3746) (-)

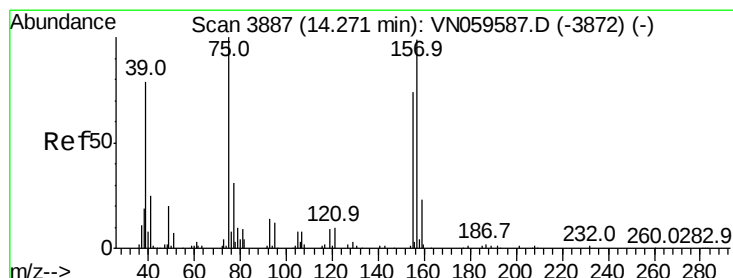
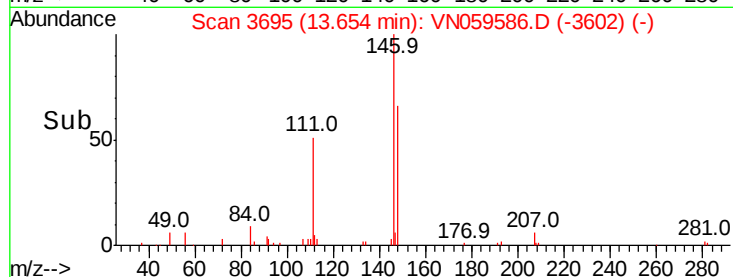
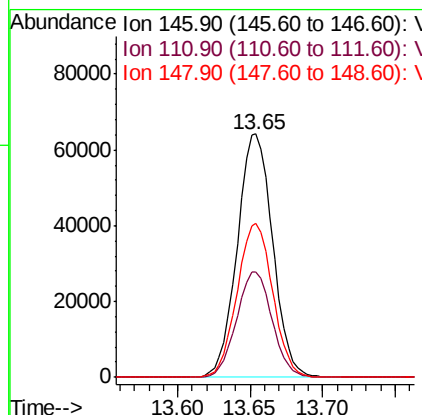
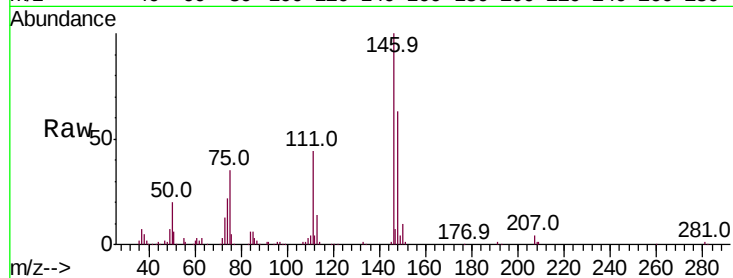




#91
 1,2-Dichlorobenzene
 Concen: 18.706 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

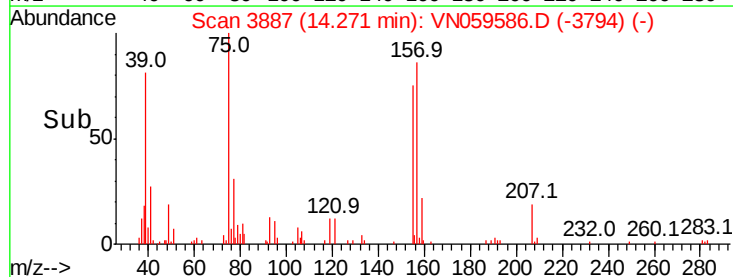
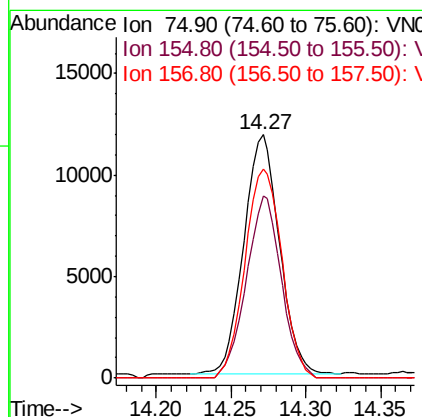
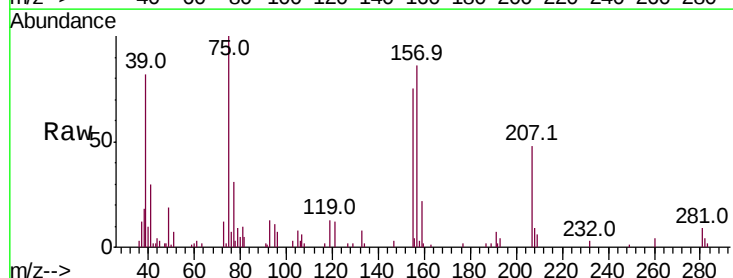
Instrument :
 MSVOA_N
 ClientSampled :

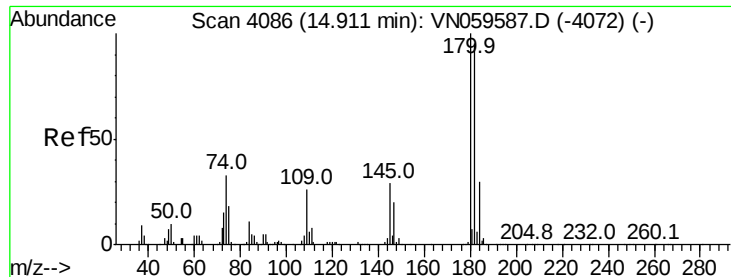
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.5	21.6	64.8
148	63.7	31.6	95.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 16.750 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion	Ratio	Lower	Upper
75	100		
155	74.6	37.0	110.9
157	90.2	48.4	145.2

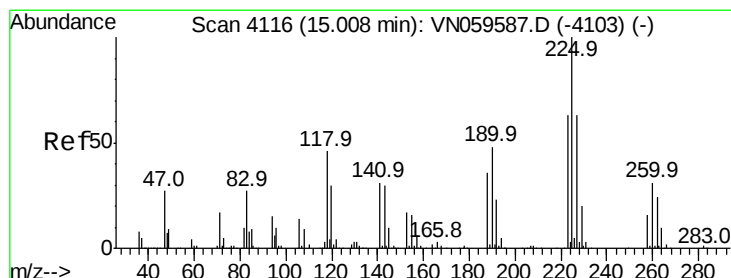
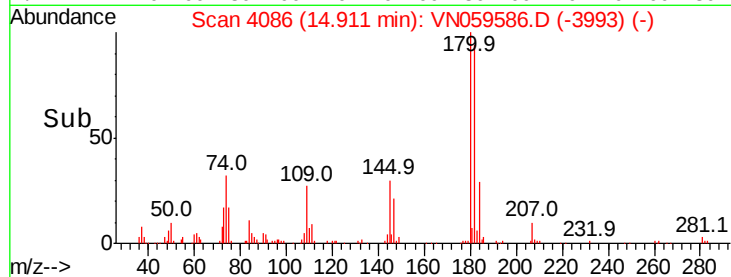
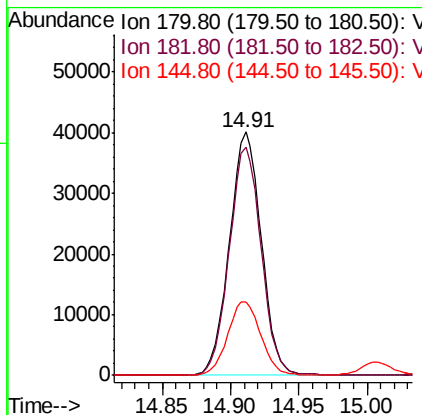
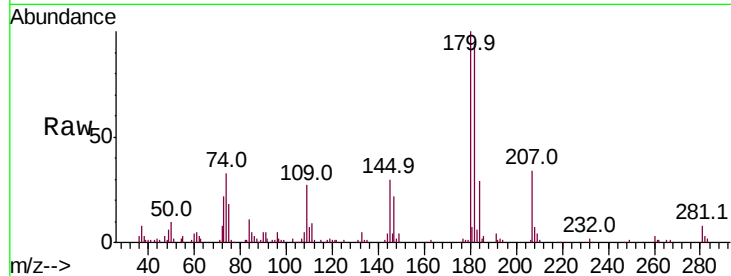




#93
 1,2,4-Trichlorobenzene
 Concen: 16.411 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

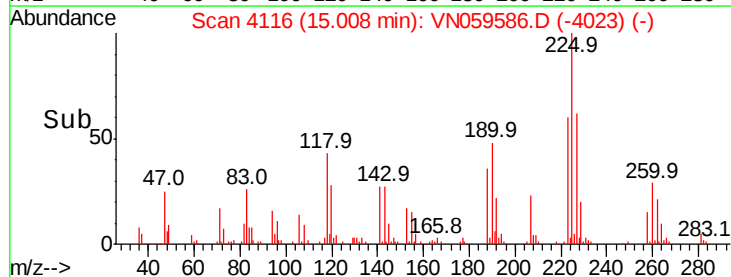
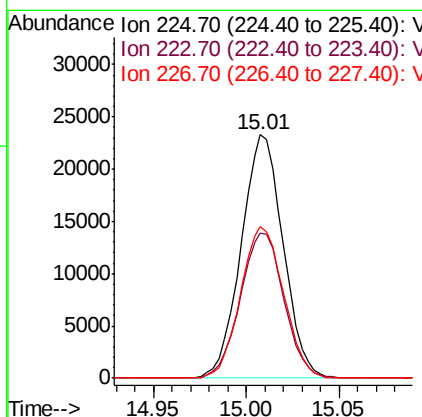
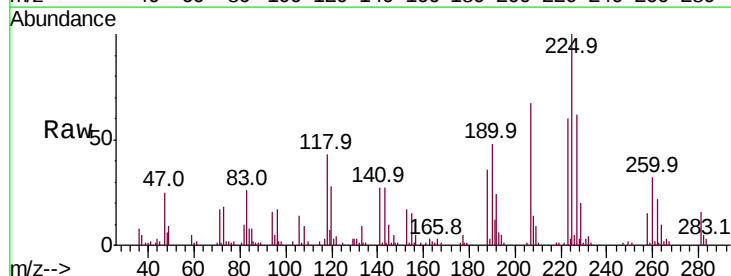
Instrument :
 MSVOA_N
 ClientSampled :

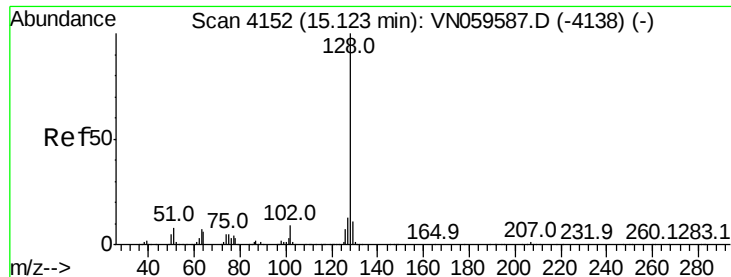
Tot Ion:180 Resp: 65171
 Ion Ratio Lower Upper
 180 100
 182 93.8 46.9 140.7
 145 31.5 15.0 45.1



#94
 Hexachlorobutadiene
 Concen: 18.207 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN059586.D
 Acq: 13 Dec 2019 16:22

Tgt Ion:225 Resp: 36503
 Ion Ratio Lower Upper
 225 100
 223 61.9 31.8 95.3
 227 63.6 32.1 96.5





#95

Naphthalene

Concen: 16.298 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

Instrument :

MSVOA_N

ClientSampled :

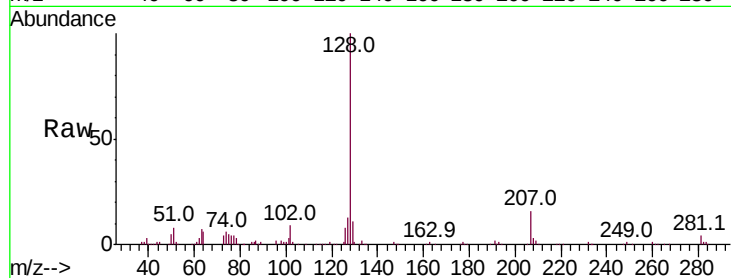
Tot Ion:128 Resp: 190679

Ion Ratio Lower Upper

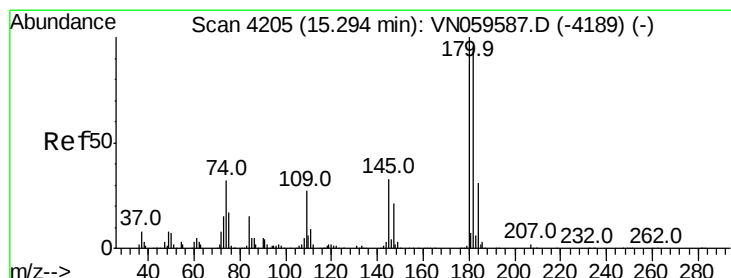
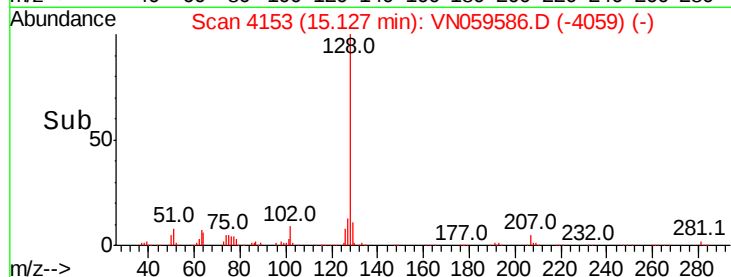
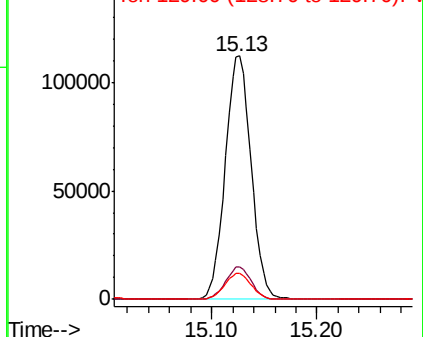
128 100

127 13.1 10.4 15.6

129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 127.00 (126.70 to 127.70): V
Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 15.565 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN059586.D

Acq: 13 Dec 2019 16:22

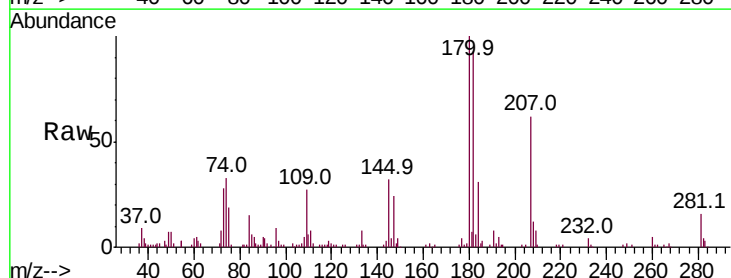
Tgt Ion:180 Resp: 63526

Ion Ratio Lower Upper

180 100

182 94.5 47.4 142.3

145 33.0 16.3 48.9



Abundance Ion 179.80 (179.50 to 180.50): V
Ion 181.80 (181.50 to 182.50): V
Ion 144.90 (144.60 to 145.60): V

