

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102619\
 Data File : VN058979.D
 Acq On : 25 Oct 2019 12:10
 Operator : JC/SP
 Sample : VN1026WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 25 23:03:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101819W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 19 00:16:20 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	339898	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	541249	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	508663	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	238226	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	250201	50.19	ug/l	0.00
Spiked Amount			Recovery	=	100.38%	
35) Dibromofluoromethane	7.57	113	186001	52.27	ug/l	0.00
Spiked Amount			Recovery	=	104.54%	
50) Toluene-d8	10.08	98	701388	50.77	ug/l	0.00
Spiked Amount			Recovery	=	101.54%	
62) 4-Bromofluorobenzene	12.40	95	250946	49.47	ug/l	0.00
Spiked Amount			Recovery	=	98.94%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	81222	19.166	ug/l	99
3) Chloromethane	2.04	50	99387	18.936	ug/l	100
4) Vinyl Chloride	2.17	62	104825	20.115	ug/l	100
5) Bromomethane	2.55	94	60630	18.579	ug/l	98
6) Chloroethane	2.69	64	65441	19.582	ug/l	100
7) Trichlorofluoromethane	3.00	101	130365	20.217	ug/l	99
8) Diethyl Ether	3.39	74	46120	20.697	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	72067	20.160	ug/l	99
10) Methyl Iodide	3.93	142	80121	17.041	ug/l	99
11) Tert butyl alcohol	4.76	59	78399	94.769	ug/l	100
12) 1,1-Dichloroethene	3.72	96	67008	19.998	ug/l	99
13) Acrolein	3.58	56	35511	62.474	ug/l	95
14) Allyl chloride	4.30	41	133677	19.715	ug/l	99
15) Acrylonitrile	4.96	53	219618	105.540	ug/l	99
16) Acetone	3.79	43	235953	95.785	ug/l	99
17) Carbon Disulfide	4.03	76	194190	17.991	ug/l	100
18) Methyl Acetate	4.30	43	122417	21.858	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	243200	20.728	ug/l	98
20) Methylene Chloride	4.53	84	82258	19.556	ug/l	98
21) trans-1,2-Dichloroethene	5.02	96	73722	19.922	ug/l	95
22) Diisopropyl ether	5.93	45	279486	21.074	ug/l	98
23) Vinyl Acetate	5.87	43	1164011	109.243	ug/l	100
24) 1,1-Dichloroethane	5.82	63	157679	20.504	ug/l	100
25) 2-Butanone	6.81	43	315094	98.538	ug/l	98
26) 2,2-Dichloropropane	6.81	77	133543	20.077	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	86305	20.417	ug/l	99
28) Bromochloromethane	7.18	49	54902	21.437	ug/l	97
29) Tetrahydrofuran	7.19	42	202596	103.569	ug/l	99
30) Chloroform	7.35	83	154417	20.018	ug/l	99
31) Cyclohexane	7.63	56	137457	19.187	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	130126	20.013	ug/l	99
36) 1,1-Dichloropropene	7.78	75	110991	20.030	ug/l	100
37) Ethyl Acetate	6.91	43	126204	20.902	ug/l	99
38) Carbon Tetrachloride	7.75	117	113958	19.963	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	120934	19.436	ug/l	99
40) Benzene	8.02	78	337857	20.763	ug/l	97
41) Methacrylonitrile	7.15	41	55825	20.759	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	130924	20.887	ug/l	100
43) Isopropyl Acetate	8.15	43	200890	20.746	ug/l	99
44) Trichloroethene	8.82	130	79621	20.087	ug/l	98
45) 1,2-Dichloropropane	9.11	63	94353	21.146	ug/l	100
46) Dibromomethane	9.20	93	57269	20.303	ug/l	99
47) Bromodichloromethane	9.39	83	119856	20.616	ug/l	99
48) Methyl methacrylate	9.19	41	90229	20.537	ug/l	100
49) 1,4-Dioxane	9.19	88	27528	381.694	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	634688	112.215	ug/l	99
52) Toluene	10.15	92	205312	21.277	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	132226	20.545	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	141799	20.622	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	82150	20.666	ug/l	97
56) Ethyl methacrylate	10.43	69	119981	19.312	ug/l	99
57) 1,3-Dichloropropane	10.70	76	145385	20.838	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	262158	96.532	ug/l	99
59) 2-Hexanone	10.75	43	469166	107.346	ug/l	98
60) Dibromochloromethane	10.90	129	88735	20.739	ug/l	99
61) 1,2-Dibromoethane	11.00	107	84746	20.832	ug/l	99
64) Tetrachloroethene	10.63	164	69444	19.494	ug/l	98
65) Chlorobenzene	11.43	112	216192	20.877	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	83030	21.247	ug/l	99
67) Ethyl Benzene	11.51	91	383477	21.109	ug/l	99
68) m/p-Xylenes	11.62	106	285152	42.327	ug/l	100
69) o-Xylene	11.95	106	134458	20.927	ug/l	99
70) Styrene	11.97	104	220726	19.687	ug/l	99
71) Bromoform	12.13	173	63090	20.820	ug/l #	99
73) Isopropylbenzene	12.25	105	368937	21.191	ug/l	100
74) N-amyl acetate	12.07	43	164877	20.889	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	129369	21.133	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	171145	30.998	ug/l #	100
77) Bromobenzene	12.53	156	90731	21.143	ug/l	97
78) n-propylbenzene	12.59	91	437340	21.252	ug/l	100
79) 2-Chlorotoluene	12.68	91	265444	21.075	ug/l	99
80) 1,3,5-Trimethylbenzene	12.74	105	312918	21.392	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	43087	20.330	ug/l	99
82) 4-Chlorotoluene	12.78	91	262509	20.395	ug/l	100
83) tert-Butylbenzene	13.00	119	261956	20.942	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	310270	21.505	ug/l	100
85) sec-Butylbenzene	13.18	105	352313	21.126	ug/l	99
86) p-Isopropyltoluene	13.29	119	312185	21.216	ug/l	100
87) 1,3-Dichlorobenzene	13.29	146	158037	20.596	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	156187	20.331	ug/l	98
89) n-Butylbenzene	13.62	91	266835	19.740	ug/l	99
90) Hexachloroethane	13.88	117	60236	20.202	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	155367	20.601	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	27212	19.653	ug/l	98

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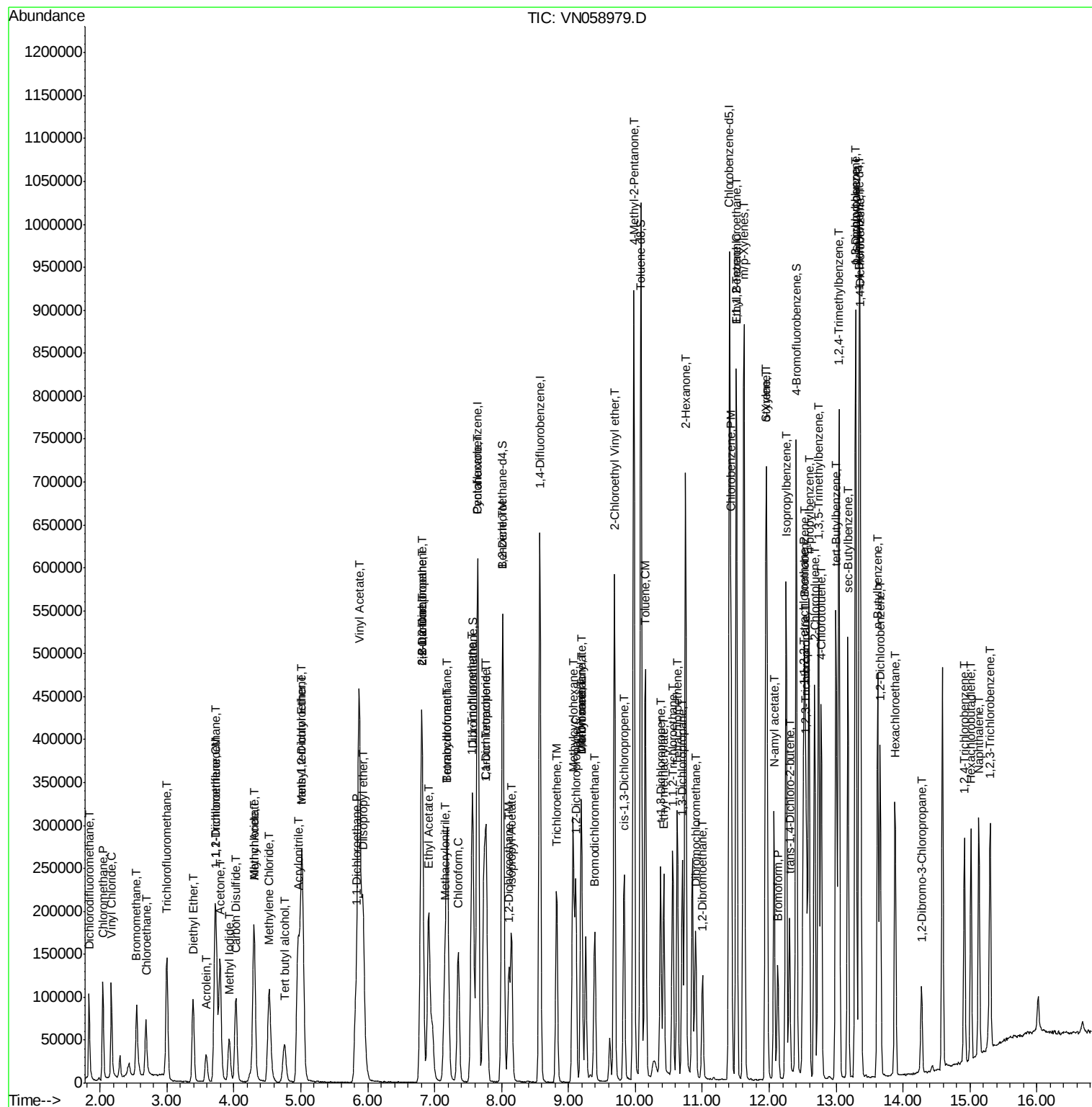
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	80643	18.650	ug/l	99
94) Hexachlorobutadiene	15.01	225	49436	20.224	ug/l	99
95) Naphthalene	15.13	128	222760	17.824	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	84013	19.701	ug/l	98

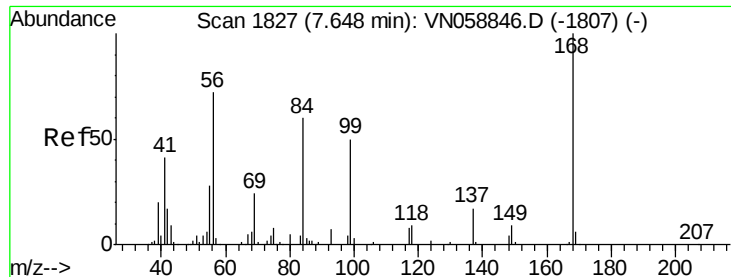
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN102619\
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Quant Title : SW846 8260
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Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

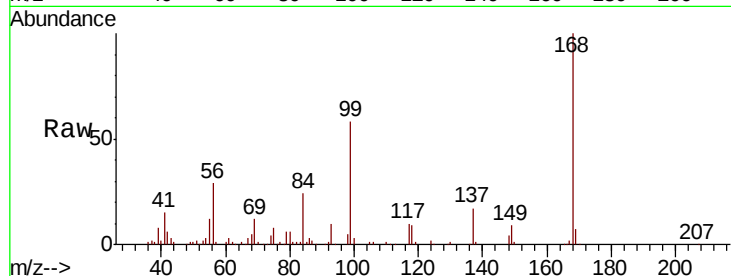
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 339898

Ion Ratio Lower Upper

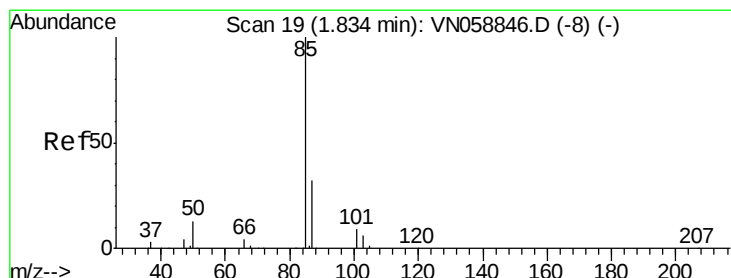
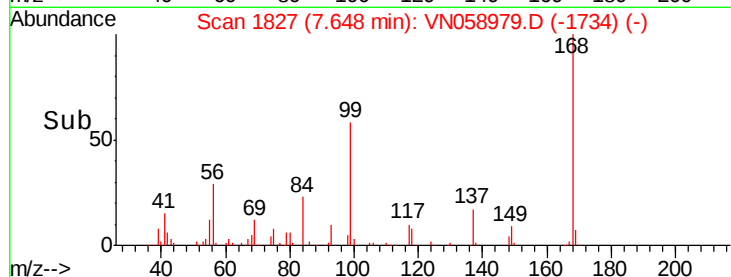
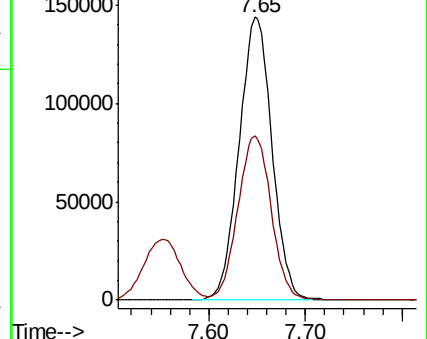
168 100

99 58.0 48.1 72.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 19.166 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058979.D

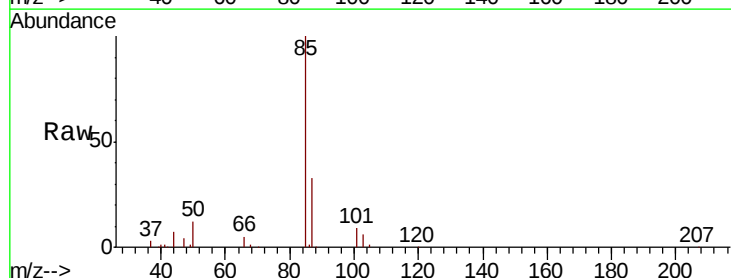
Acq: 25 Oct 2019 12:10

Tgt Ion: 85 Resp: 81222

Ion Ratio Lower Upper

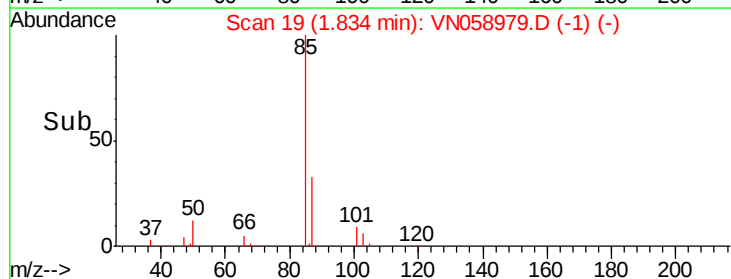
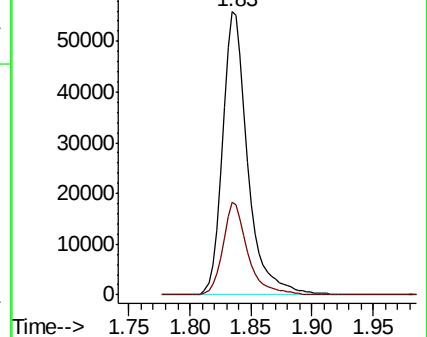
85 100

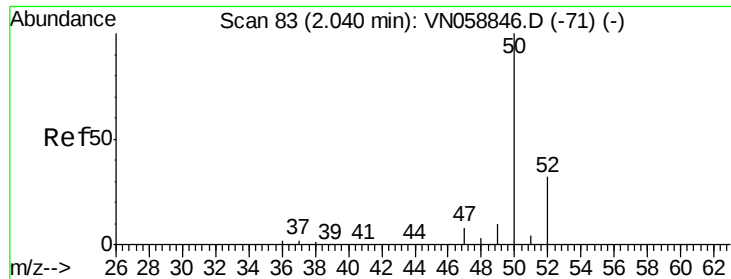
87 32.6 16.2 48.5



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

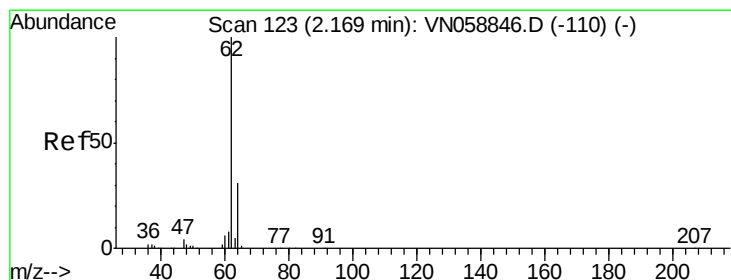
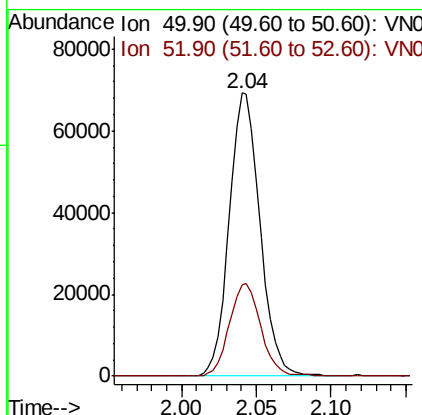
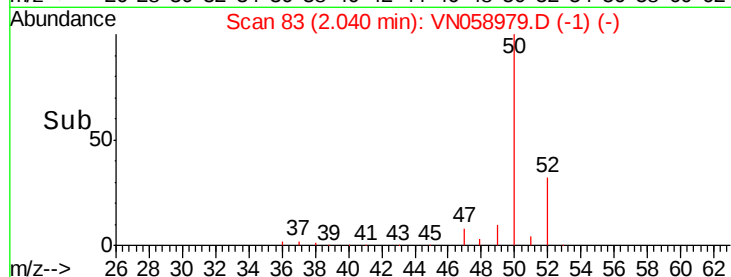
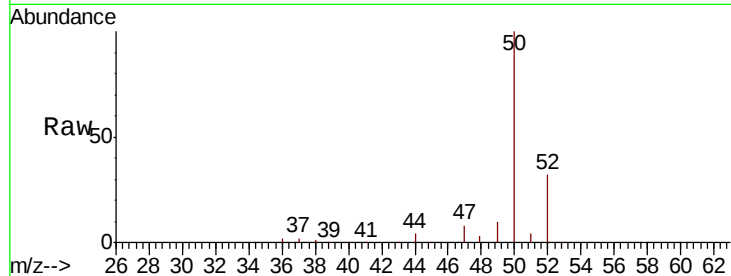




#3
 Chloromethane
 Concen: 18.936 ug/l
 RT: 2.04 min Scan# 83
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

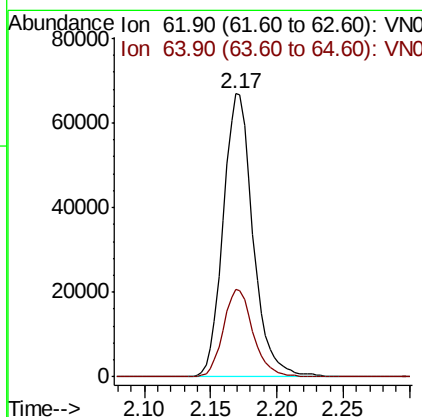
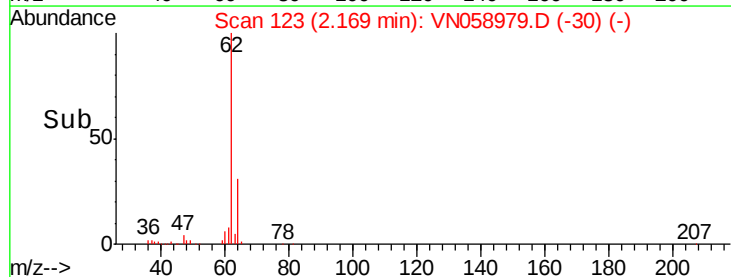
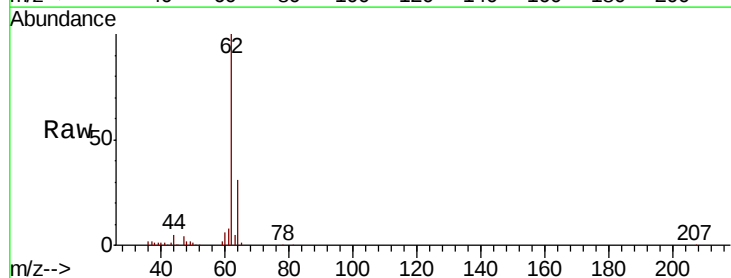
Instrument :
 MSVOA_N
 ClientSampleId :

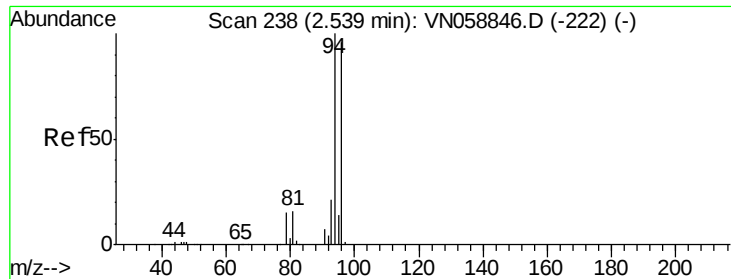
Tot Ion: 50 Resp: 99387
 Ion Ratio Lower Upper
 50 100
 52 32.1 25.7 38.5



#4
 Vinyl Chloride
 Concen: 20.115 ug/l
 RT: 2.17 min Scan# 123
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion: 62 Resp: 104825
 Ion Ratio Lower Upper
 62 100
 64 30.9 24.6 36.8





#5

Bromomethane

Concen: 18.579 ug/l

RT: 2.55 min Scan# 240

Delta R.T. 0.01 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

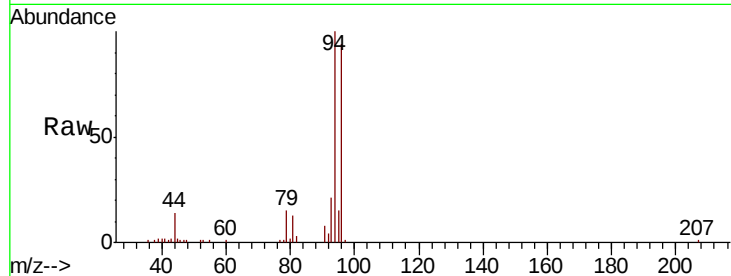
ClientSampleId :

Tot Ion: 94 Resp: 60630

Ion Ratio Lower Upper

94 100

96 94.4 77.0 115.6



Abundance Ion 93.90 (93.60 to 94.60): VN058846.D (-222) (-)

Ion 95.90 (95.60 to 96.60): VN058846.D (-222) (-)

2.55

30000

20000

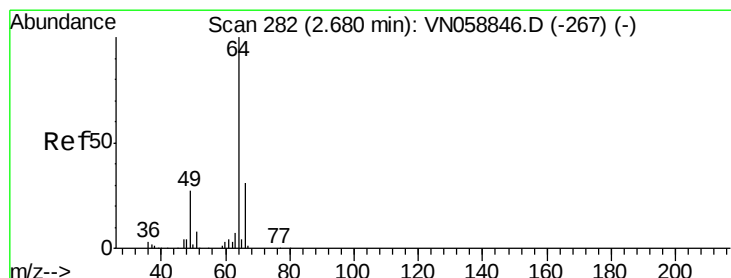
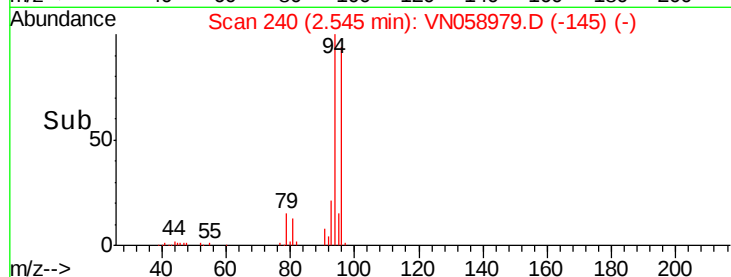
10000

0

2.50

2.60

Time-->



#6

Chloroethane

Concen: 19.582 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.01 min

Lab File: VN058979.D

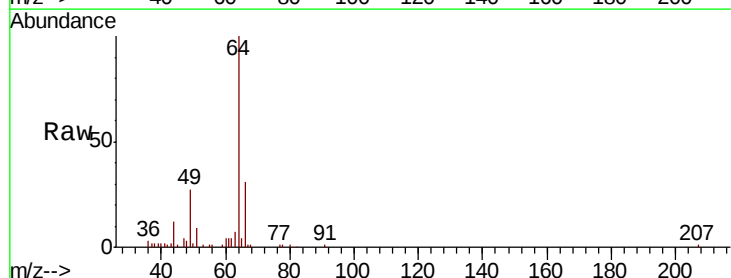
Acq: 25 Oct 2019 12:10

Tgt Ion: 64 Resp: 65441

Ion Ratio Lower Upper

64 100

66 31.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN058846.D (-267) (-)

Ion 65.90 (65.60 to 66.60): VN058846.D (-267) (-)

2.69

30000

20000

10000

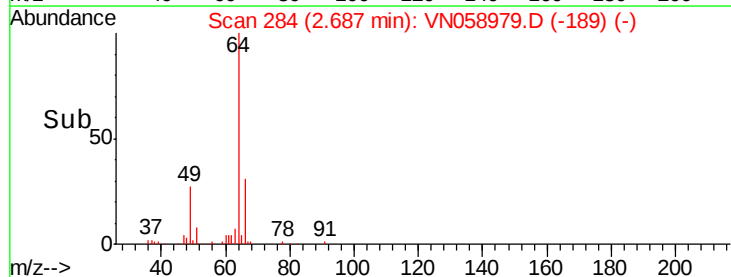
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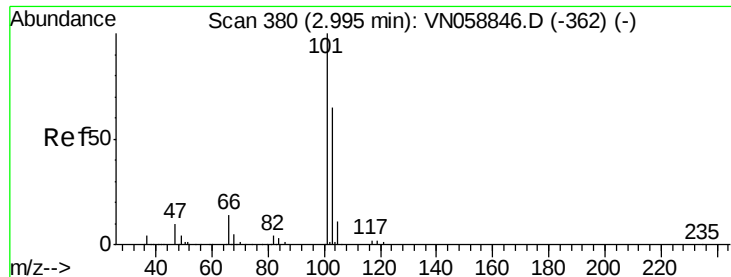
2.60

2.70

2.80

Time-->



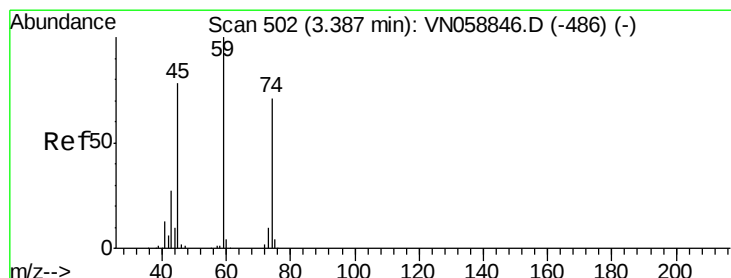
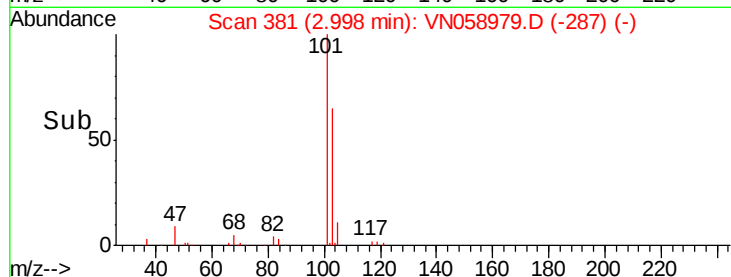
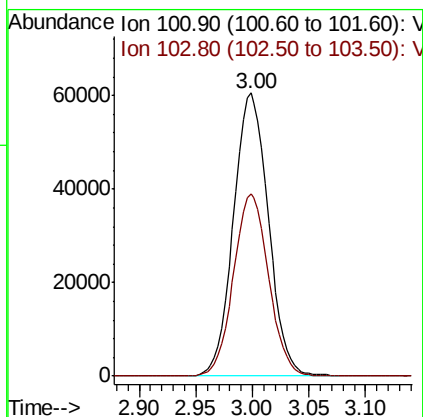
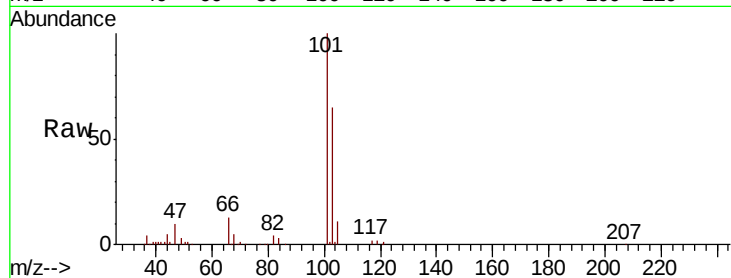


#7

Trichlorofluoromethane
Concen: 20.217 ug/l
RT: 3.00 min Scan# 381
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
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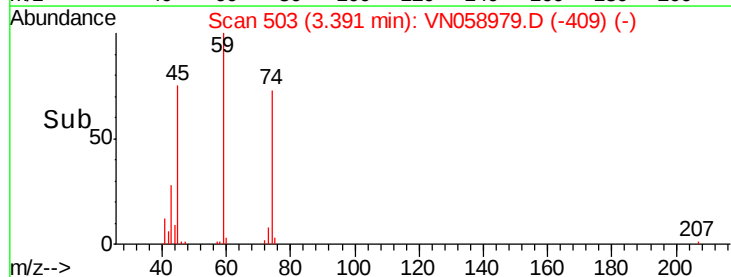
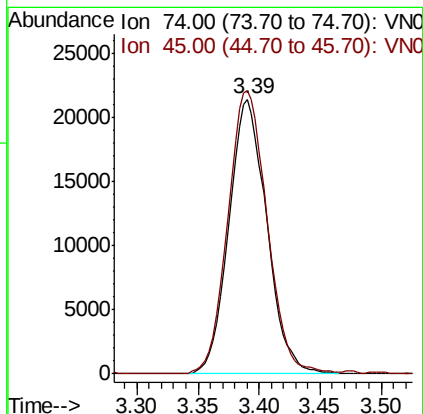
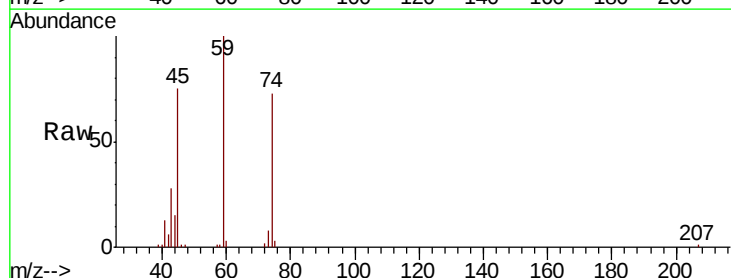
Tot Ion:101 Resp: 130365
Ion Ratio Lower Upper
101 100
103 64.6 52.2 78.2

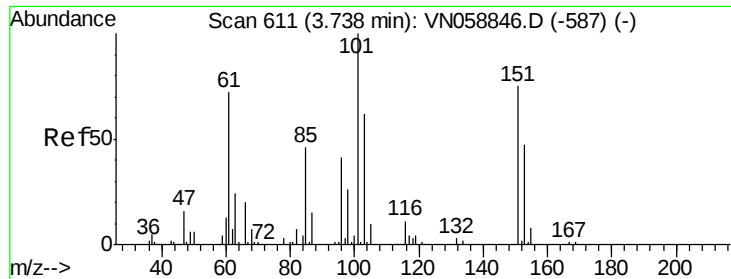


#8

Diethyl Ether
Concen: 20.697 ug/l
RT: 3.39 min Scan# 503
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 74 Resp: 46120
Ion Ratio Lower Upper
74 100
45 107.2 54.9 164.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.160 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

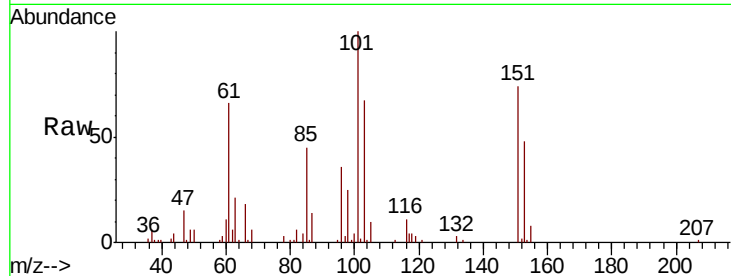
Tot Ion:101 Resp: 72067

Ion Ratio Lower Upper

101 100

85 46.1 37.2 55.8

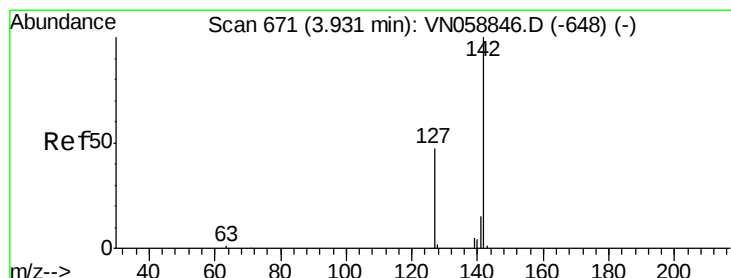
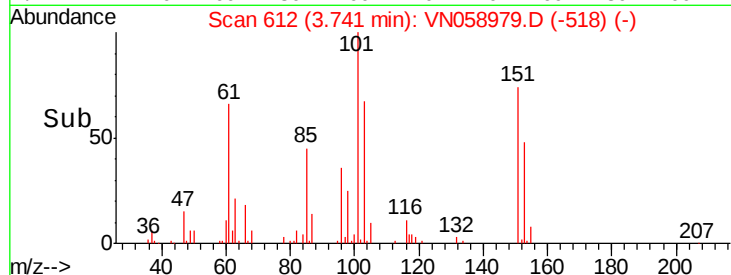
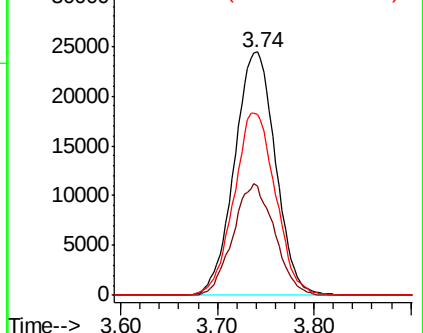
151 75.8 59.9 89.9



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: 17.041 ug/l

RT: 3.93 min Scan# 671

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

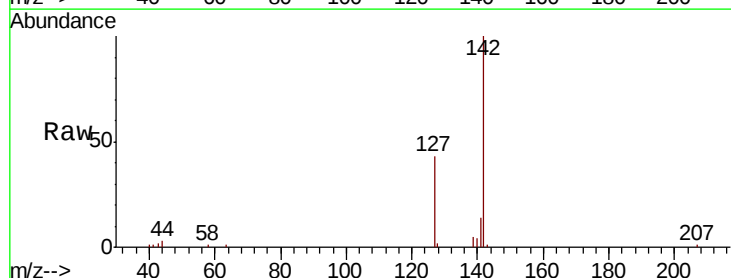
Tgt Ion:142 Resp: 80121

Ion Ratio Lower Upper

142 100

127 44.7 36.6 54.8

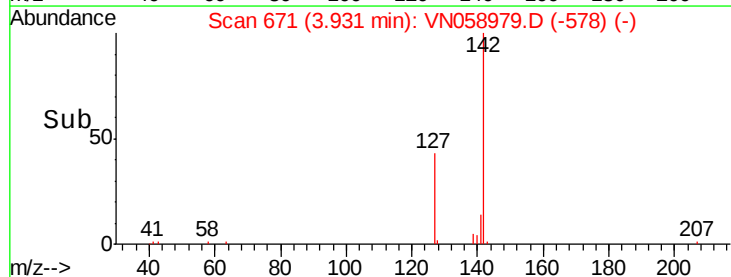
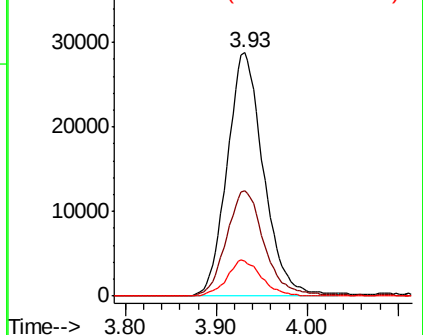
141 13.9 11.4 17.2

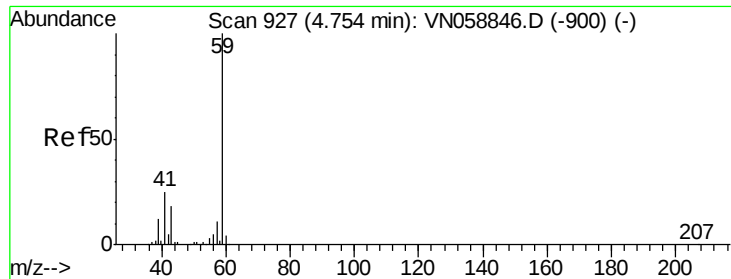


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



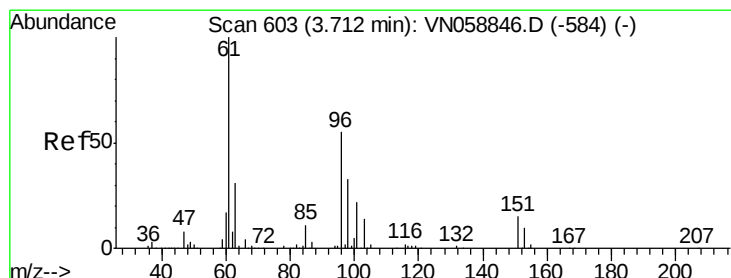
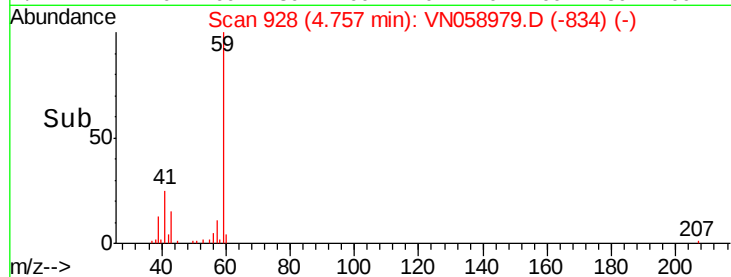
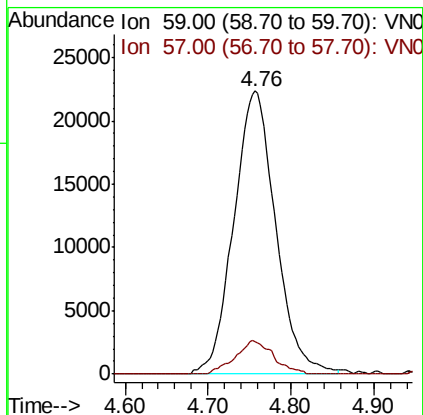
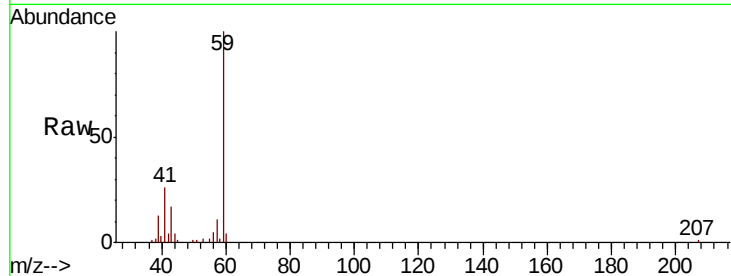


#11

Tert butyl alcohol
 Concen: 94.769 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampled :

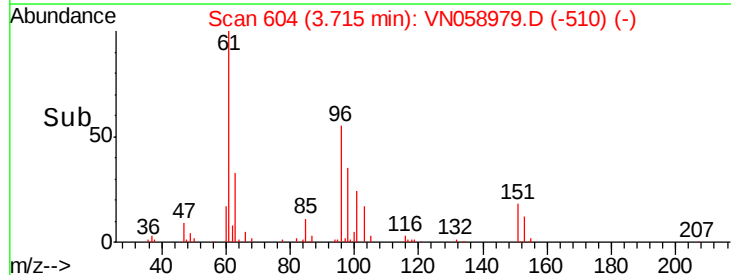
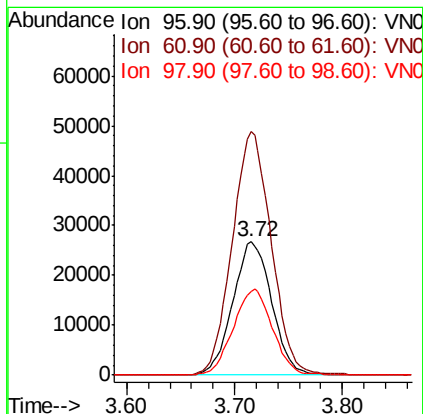
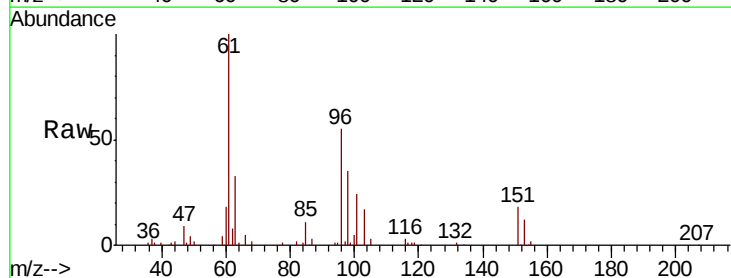
Tot Ion: 59 Resp: 78399
 Ion Ratio Lower Upper
 59 100
 57 10.8 8.6 12.8

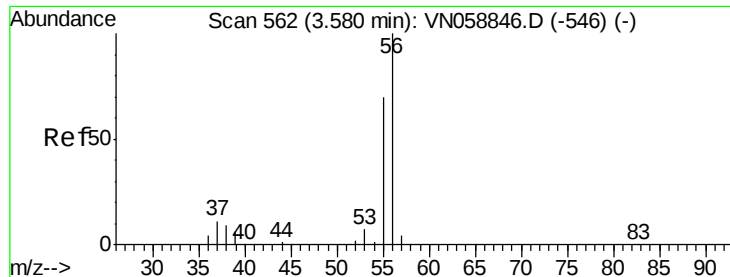


#12

1,1-Dichloroethene
 Concen: 19.998 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion: 96 Resp: 67008
 Ion Ratio Lower Upper
 96 100
 61 183.2 146.2 219.2
 98 63.3 48.7 73.1





#13

Acrolein

Concen: 62.474 ug/l

RT: 3.58 min Scan# 563

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

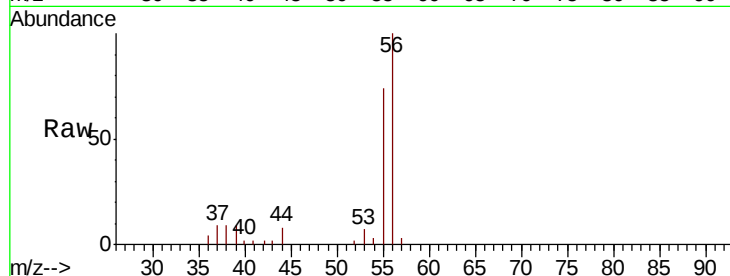
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 35511

Ion Ratio Lower Upper

56 100

55 75.0 56.6 85.0



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

15000

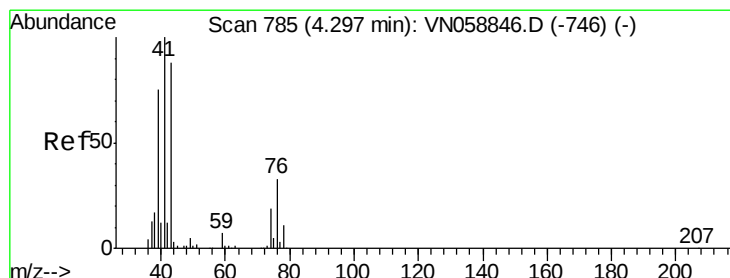
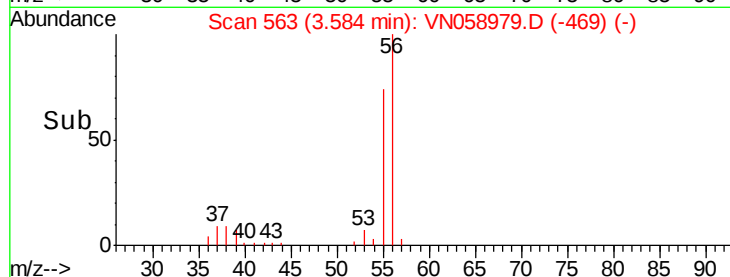
10000

5000

0

Time-->

3.50 3.55 3.60 3.65



#14

Allyl chloride

Concen: 19.715 ug/l

RT: 4.30 min Scan# 786

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

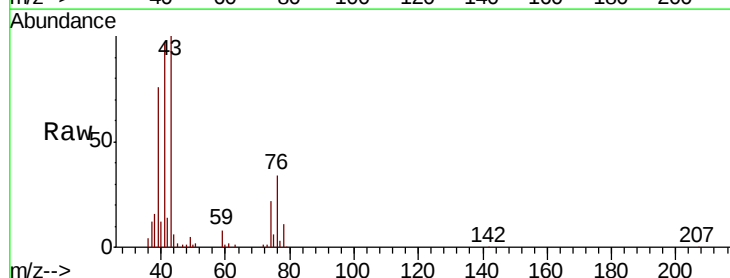
Tgt Ion: 41 Resp: 133677

Ion Ratio Lower Upper

41 100

39 70.6 55.9 83.9

76 30.7 24.1 36.1



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

4.30

50000

40000

30000

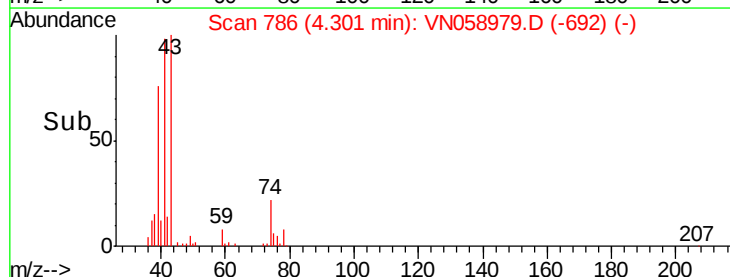
20000

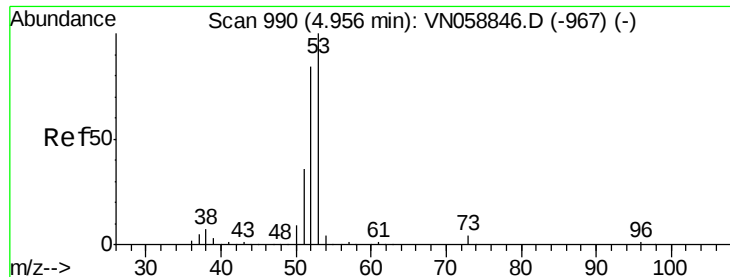
10000

0

Time-->

4.10 4.20 4.30 4.40





#15

Acrylonitrile

Concen: 105.540 ug/l

RT: 4.96 min Scan# 990

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

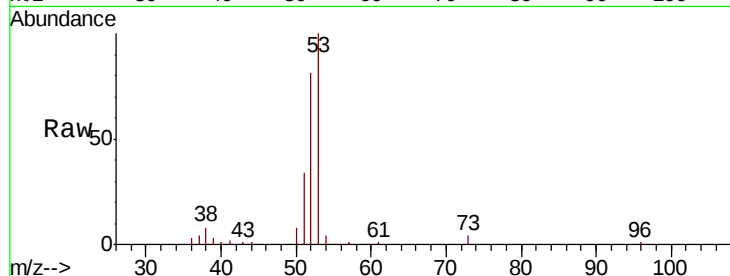
Tot Ion: 53 Resp: 219618

Ion Ratio Lower Upper

53 100

52 81.6 66.6 99.8

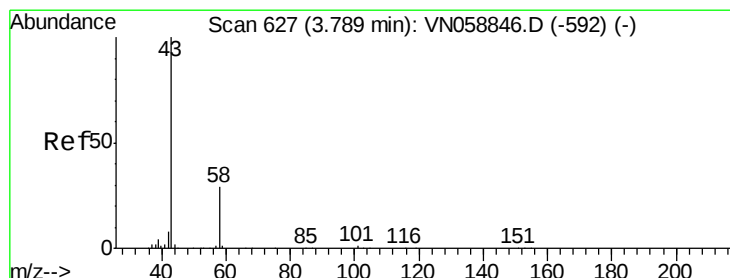
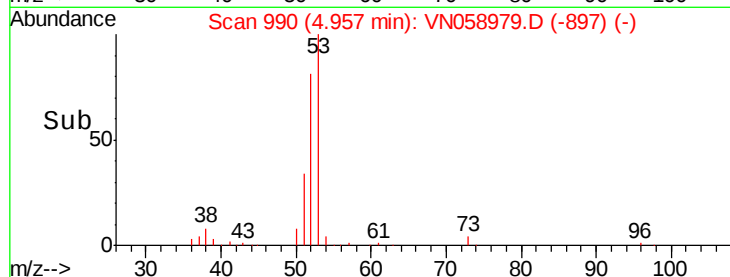
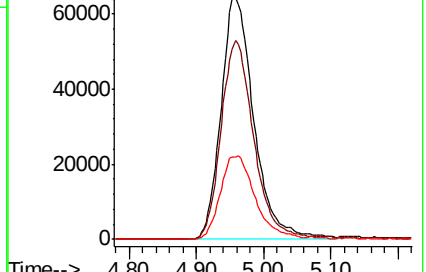
51 36.6 29.2 43.8



Abundance Ion 53.00 (52.70 to 53.70): VN058846.D (-967) (-)

Ion 52.00 (51.70 to 52.70): VN058846.D (-967) (-)

Ion 51.00 (50.70 to 51.70): VN058846.D (-967) (-)



#16

Acetone

Concen: 95.785 ug/l

RT: 3.79 min Scan# 628

Delta R.T. 0.00 min

Lab File: VN058979.D

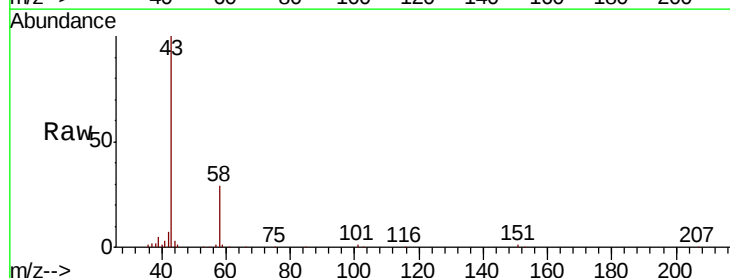
Acq: 25 Oct 2019 12:10

Tgt Ion: 43 Resp: 235953

Ion Ratio Lower Upper

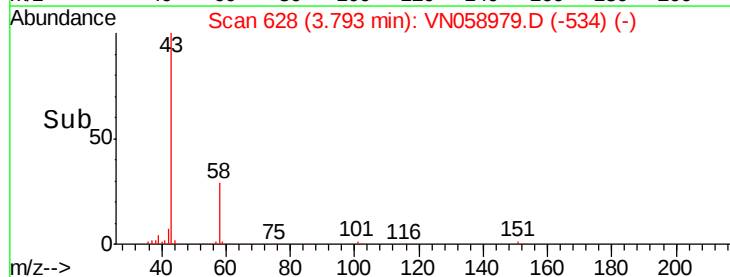
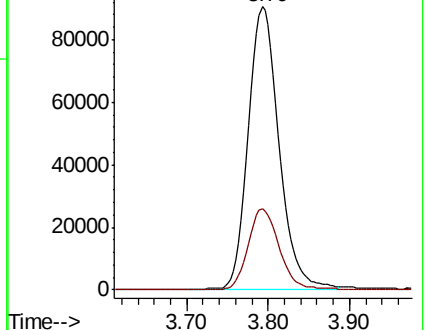
43 100

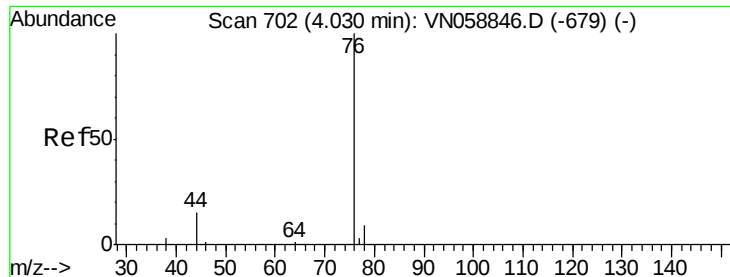
58 28.6 23.1 34.7



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-592) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-592) (-)

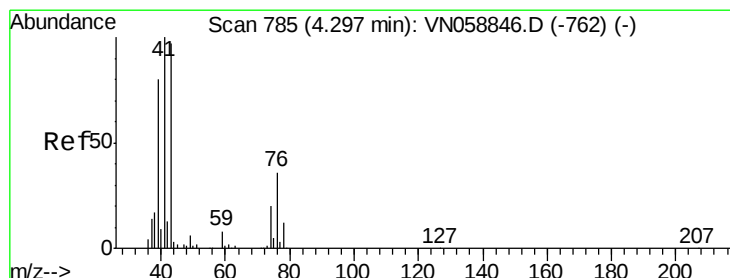
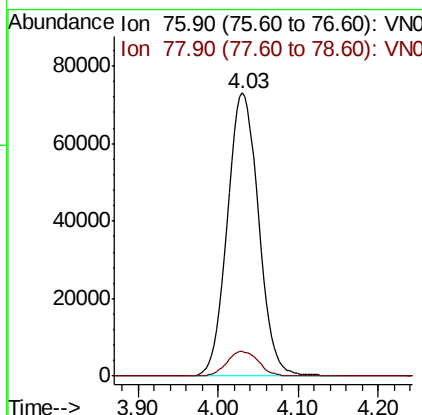
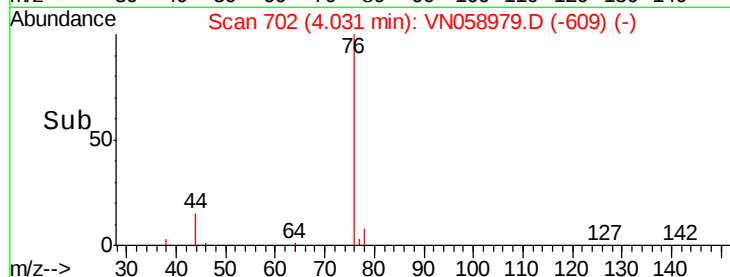
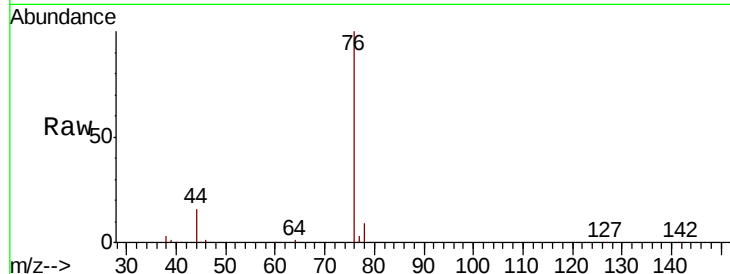




#17
Carbon Disulfide
Concen: 17.991 ug/l
RT: 4.03 min Scan# 702
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

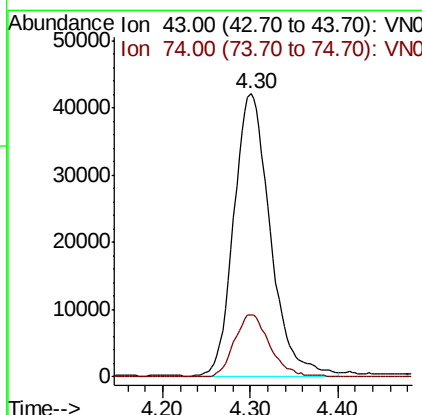
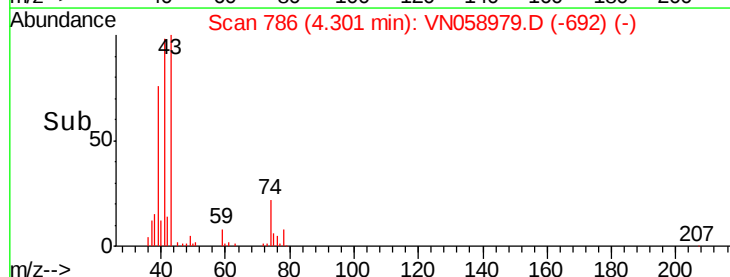
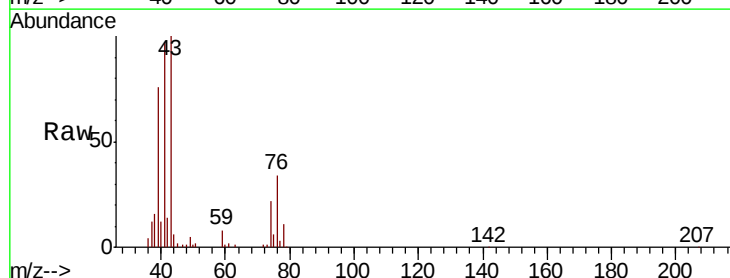
Instrument :
MSVOA_N
ClientSampled :

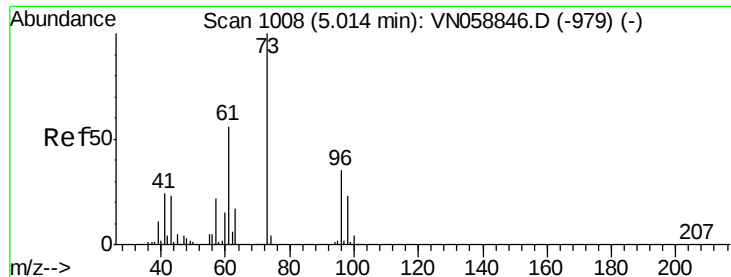
Tot Ion: 76 Resp: 194190
Ion Ratio Lower Upper
76 100
78 8.8 7.1 10.7



#18
Methyl Acetate
Concen: 21.858 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 43 Resp: 122417
Ion Ratio Lower Upper
43 100
74 21.1 17.1 25.7

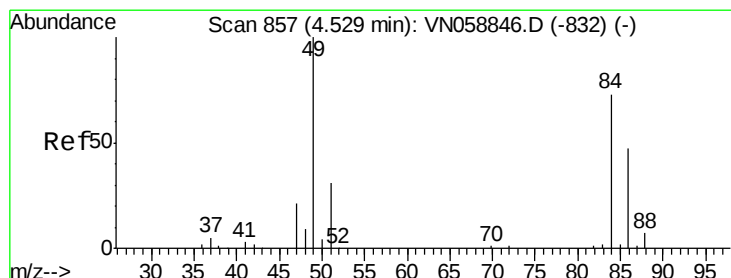
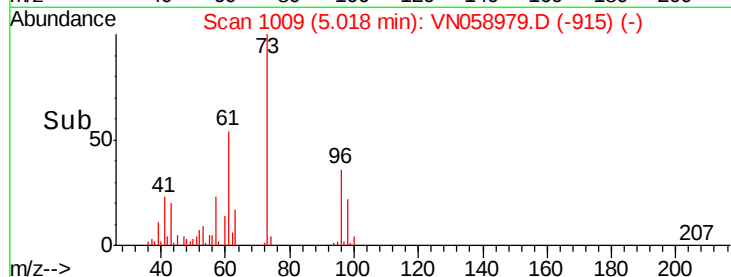
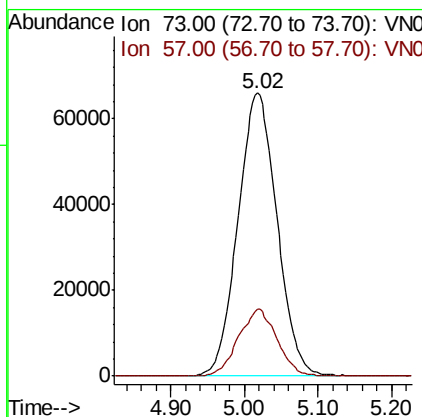
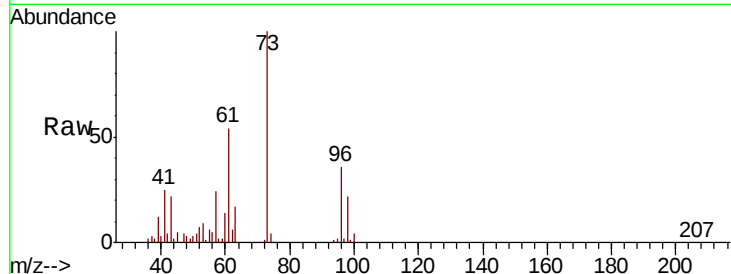




#19
Methvl tert-butvl Ether
Concen: 20.728 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

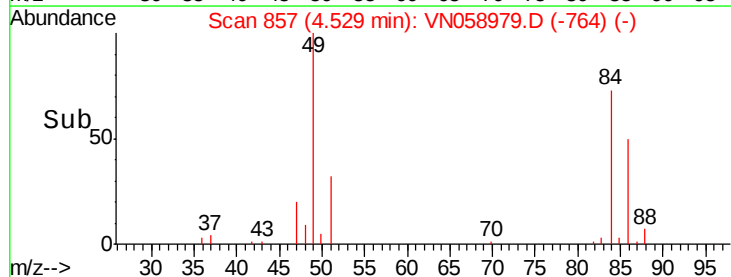
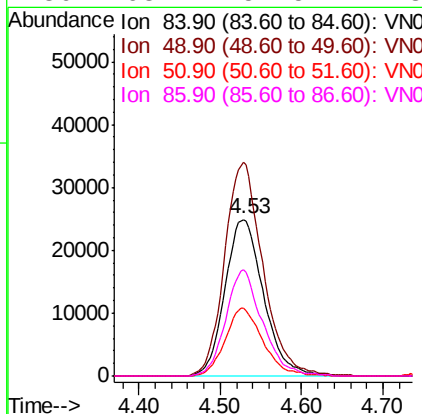
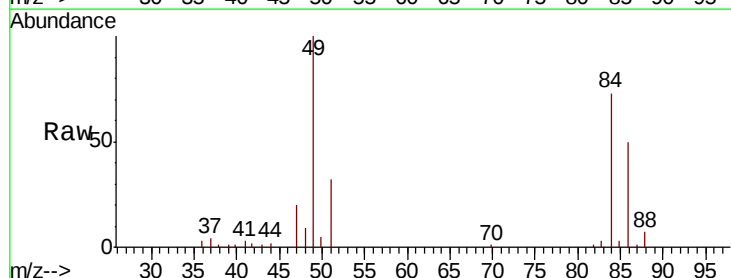
Instrument :
MSVOA_N
ClientSampled :

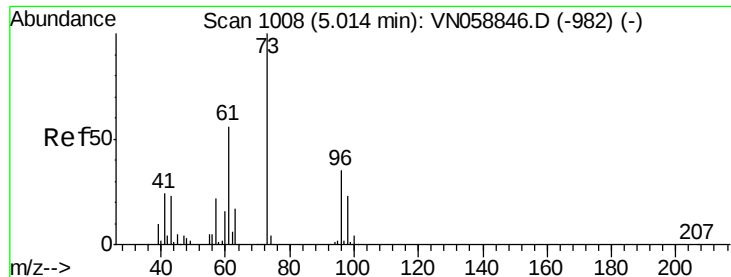
Tot Ion: 73 Resp: 243200
Ion Ratio Lower Upper
73 100
57 23.5 17.9 26.9



#20
Methylene Chloride
Concen: 19.556 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 84 Resp: 82258
Ion Ratio Lower Upper
84 100
49 136.5 109.6 164.4
51 43.3 33.8 50.6
86 68.1 51.5 77.3

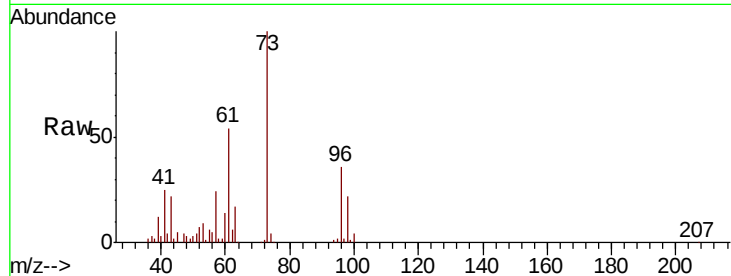




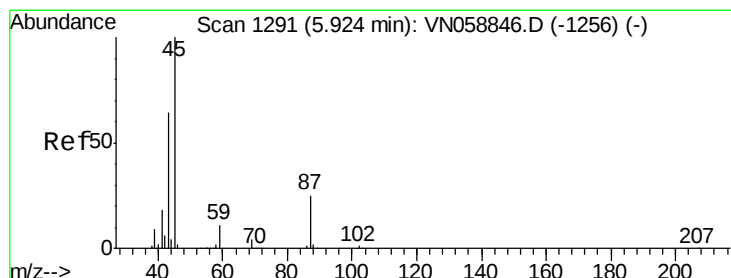
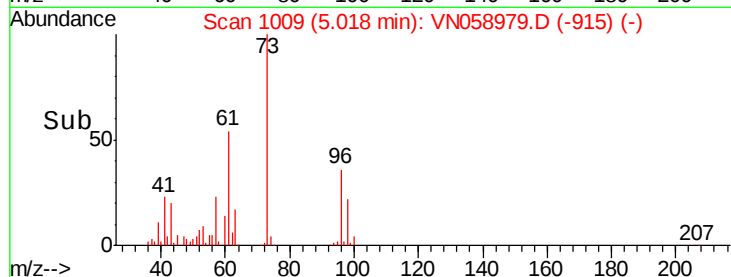
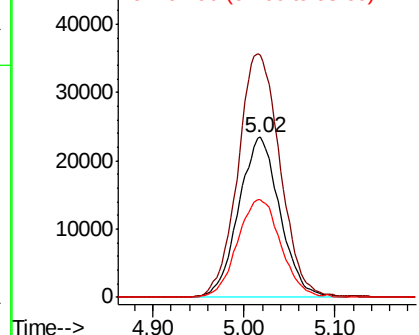
#21
trans-1,2-Dichloroethene
Concen: 19.922 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 96 Resp: 73722
Ion Ratio Lower Upper
96 100
61 151.2 126.7 190.1
98 60.6 52.0 78.0

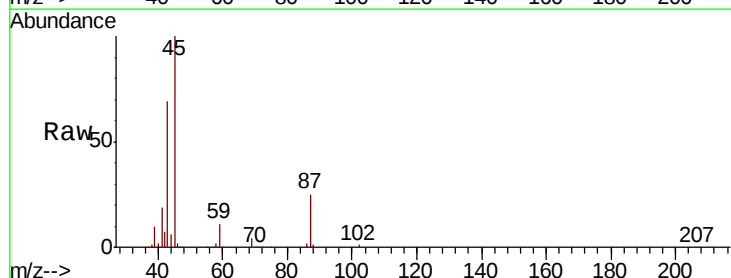


Abundance Ion 95.90 (95.60 to 96.60): VNO
Ion 60.90 (60.60 to 61.60): VNO
Ion 97.90 (97.60 to 98.60): VNO

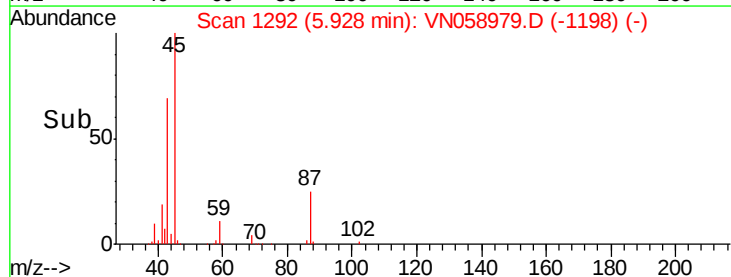
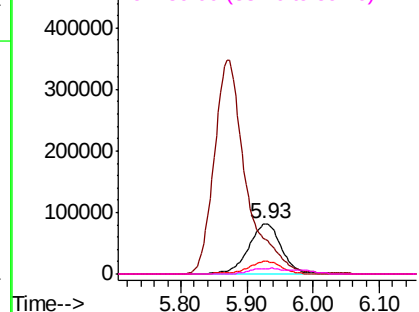


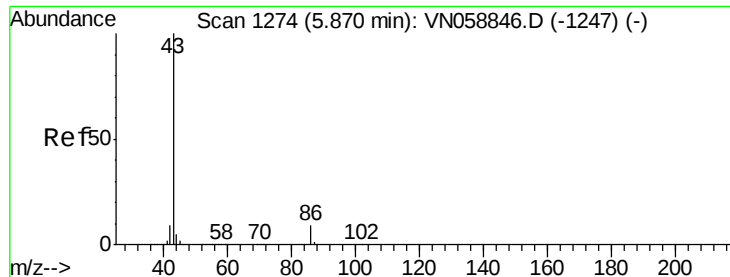
#22
Diisopropyl ether
Concen: 21.074 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 45 Resp: 279486
Ion Ratio Lower Upper
45 100
43 68.0 52.9 79.3
87 25.3 20.2 30.4
59 10.7 8.8 13.2



Abundance Ion 45.00 (44.70 to 45.70): VNO
Ion 43.00 (42.70 to 43.70): VNO
Ion 87.00 (86.70 to 87.70): VNO
Ion 59.00 (58.70 to 59.70): VNO





#23

Vinyl Acetate

Concen: 109.243 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

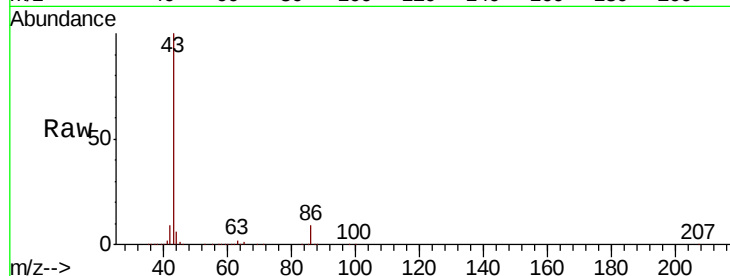
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 43 Resp: 1164011

Ion Ratio Lower Upper

43 100

86 9.1 7.2 10.8



Abundance Ion 43.00 (42.70 to 43.70): VN058979.D (-1181) (-)

Ion 86.00 (85.70 to 86.70): VN058979.D (-1181) (-)

5.87

400000

300000

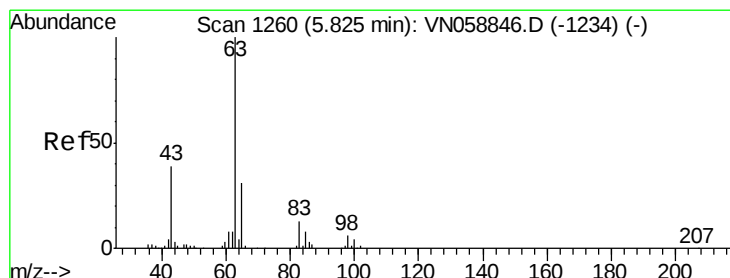
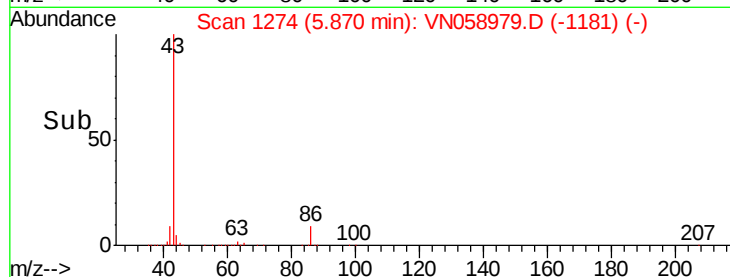
200000

100000

0

5.70 5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 20.504 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

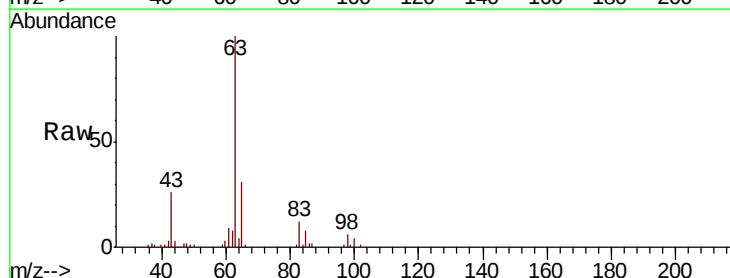
Tgt Ion: 63 Resp: 157679

Ion Ratio Lower Upper

63 100

98 5.8 2.8 8.4

100 3.8 1.9 5.7



Abundance Ion 62.90 (62.60 to 63.60): VN058979.D (-1167) (-)

Ion 97.90 (97.60 to 98.60): VN058979.D (-1167) (-)

Ion 99.90 (99.60 to 100.60): VN058979.D (-1167) (-)

5.82

60000

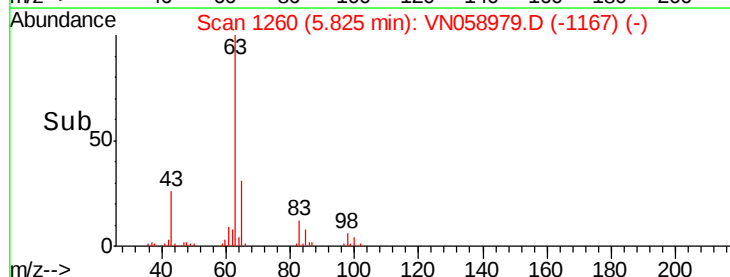
40000

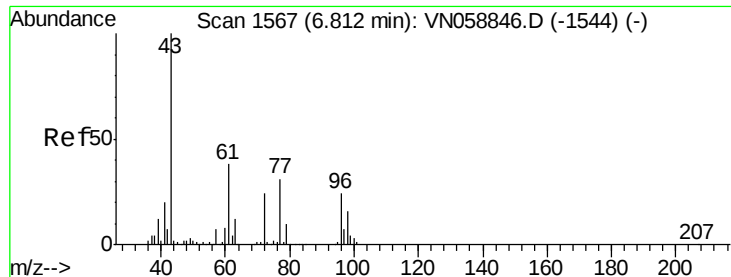
20000

0

5.70 5.80 5.90

Time-->

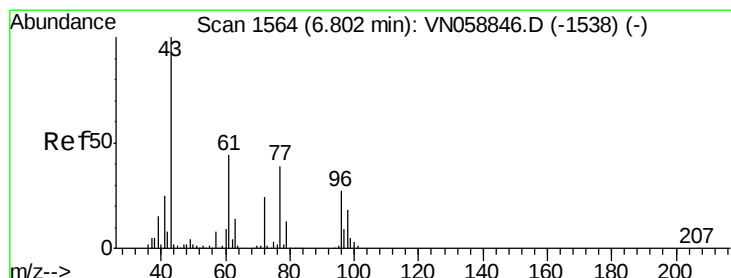
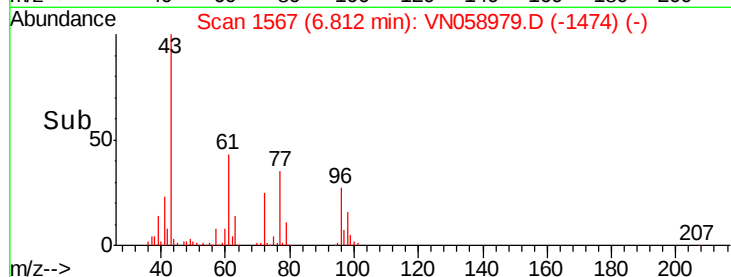
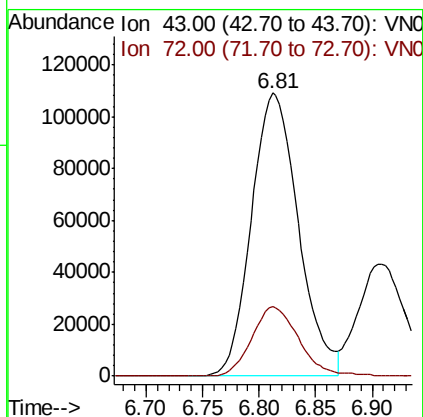
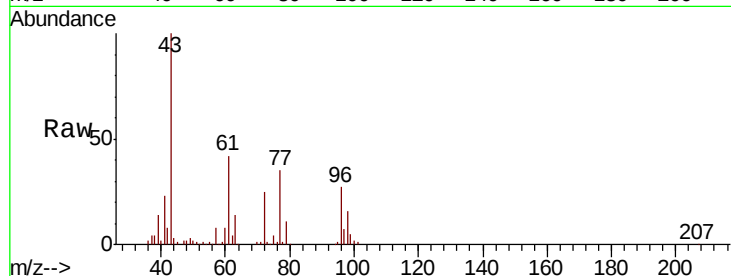




#25
2-Butanone
Concen: 98.538 ug/l
RT: 6.81 min Scan# 1567
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

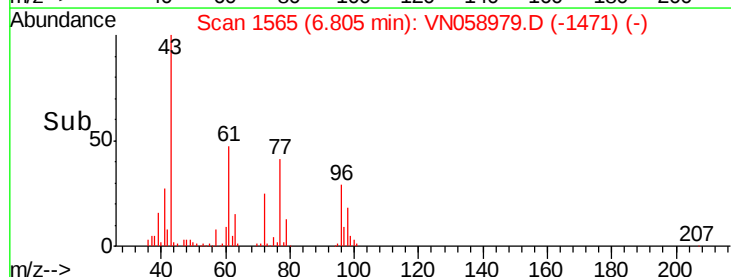
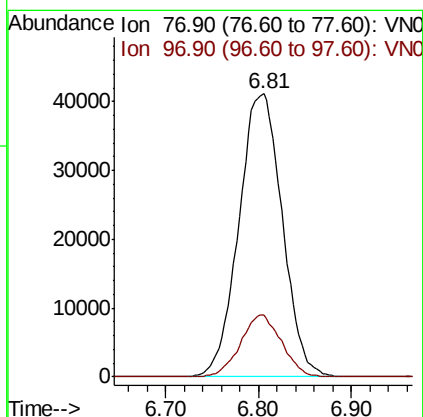
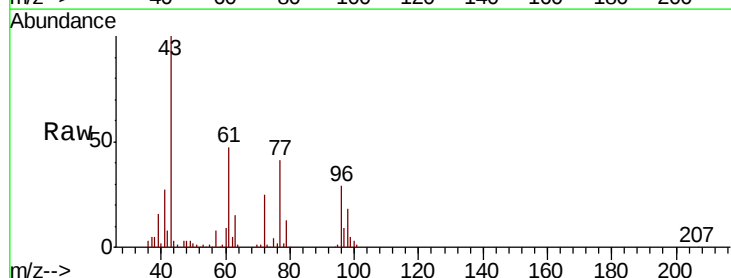
Instrument :
MSVOA_N
ClientSampleId :

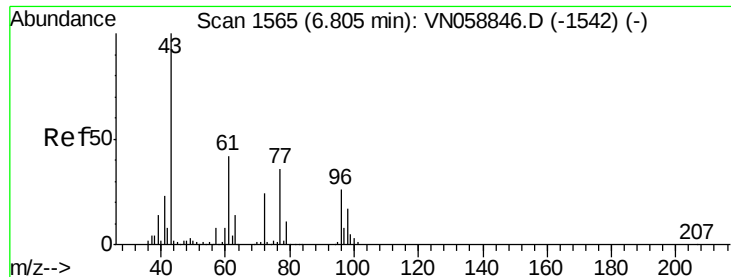
Tot Ion: 43 Resp: 315094
Ion Ratio Lower Upper
43 100
72 24.7 19.1 28.7



#26
2,2-Dichloropropane
Concen: 20.077 ug/l
RT: 6.81 min Scan# 1565
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 77 Resp: 133543
Ion Ratio Lower Upper
77 100
97 20.7 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.417 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

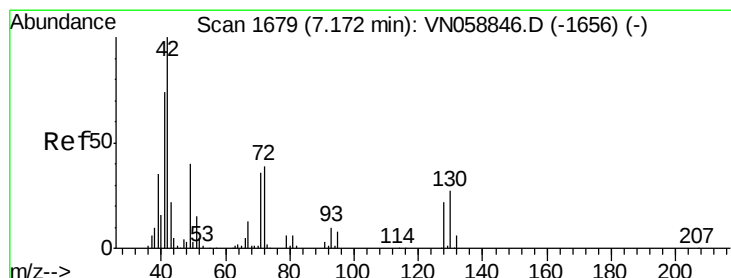
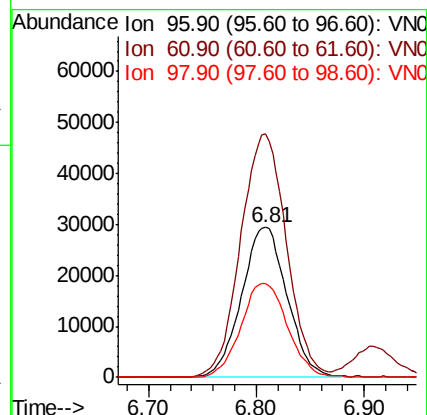
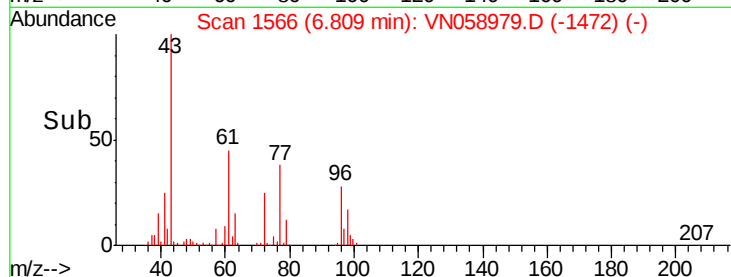
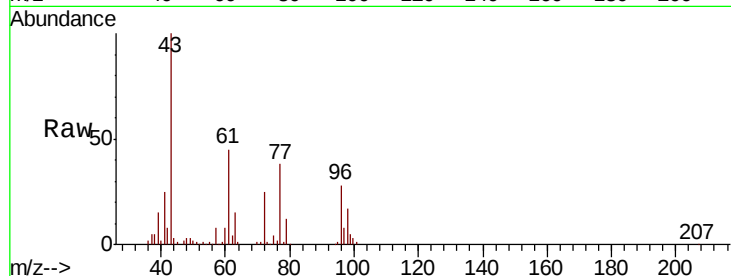
Tot Ion: 96 Resp: 86305

Ion Ratio Lower Upper

96 100

61 163.5 0.0 325.0

98 64.4 0.0 128.0



#28

Bromochloromethane

Concen: 21.437 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

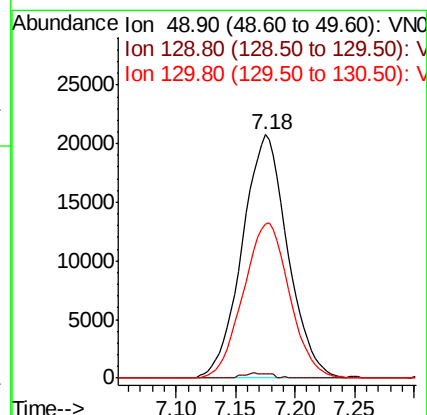
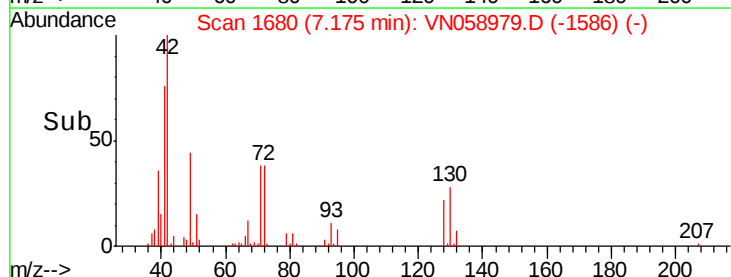
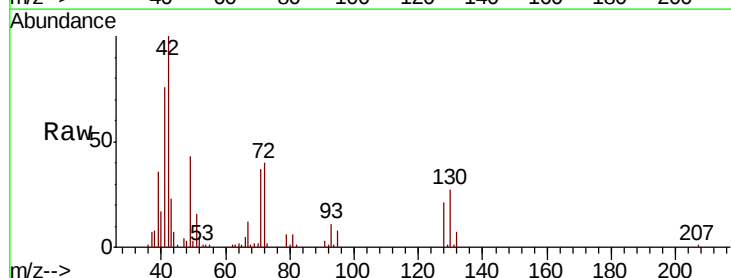
Tgt Ion: 49 Resp: 54902

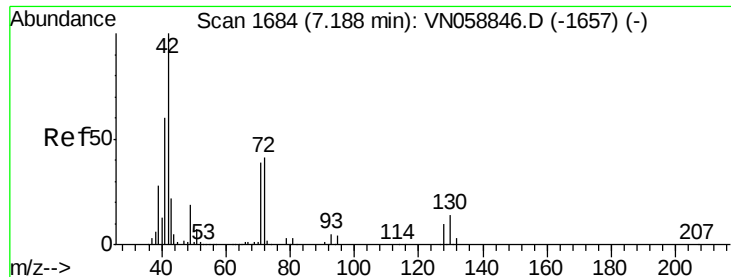
Ion Ratio Lower Upper

49 100

129 0.8 0.0 3.2

130 64.7 53.5 80.3

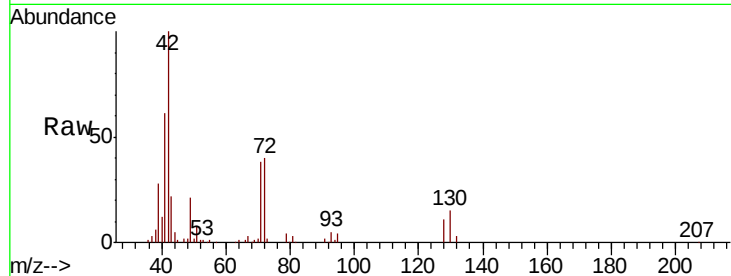




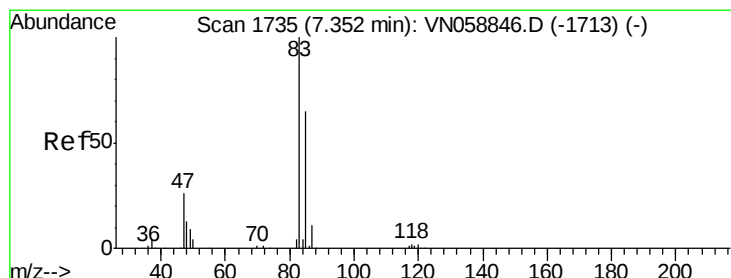
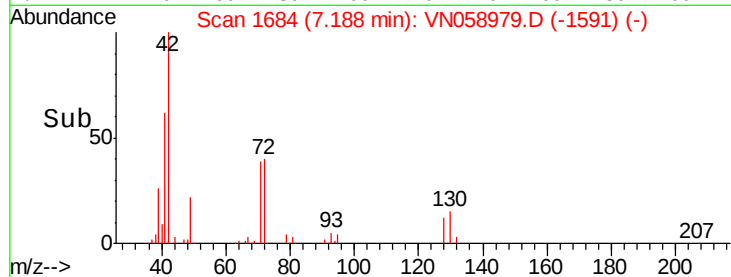
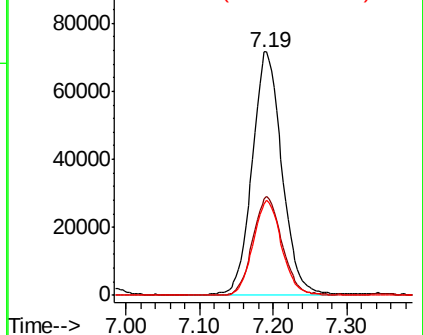
#29
Tetrahydrofuran
Concen: 103.569 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
42	100		
72	39.8	32.2	48.2
71	37.0	30.6	45.8

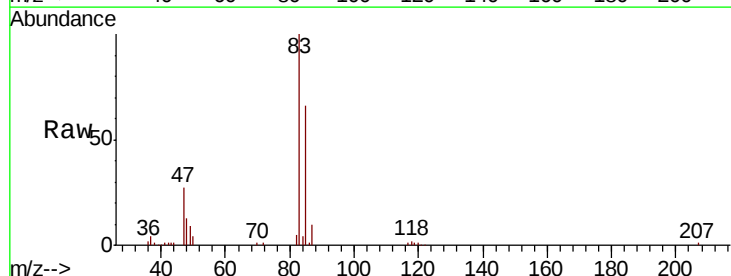


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

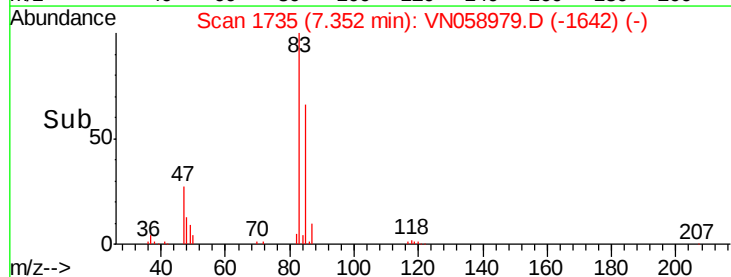
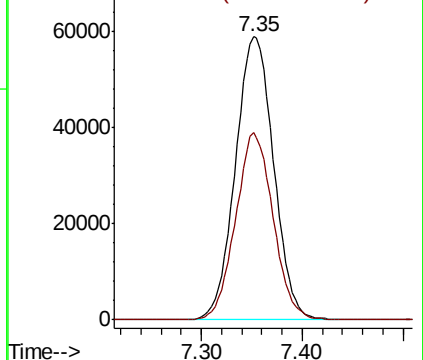


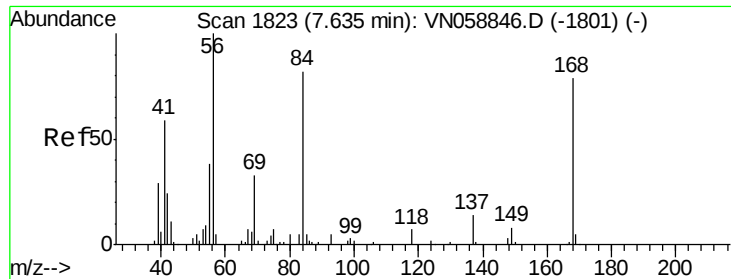
#30
Chloroform
Concen: 20.018 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
83	100		
85	66.1	51.9	77.9



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

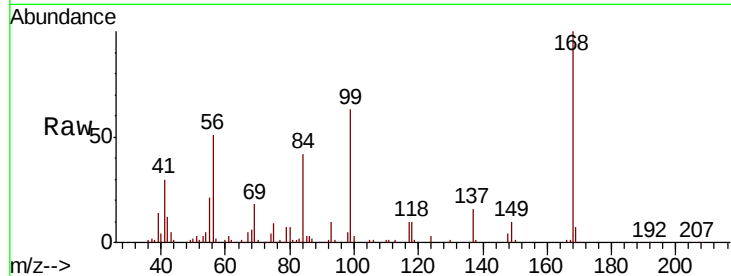




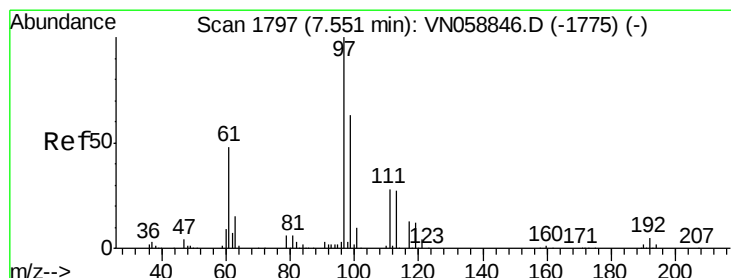
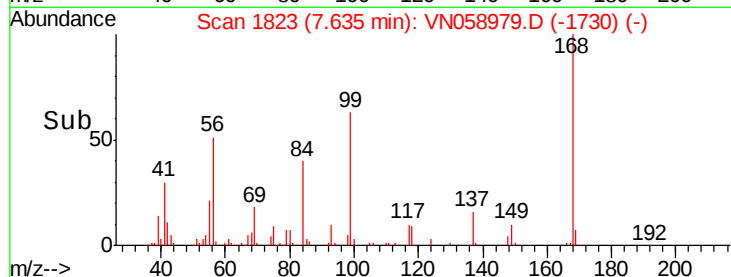
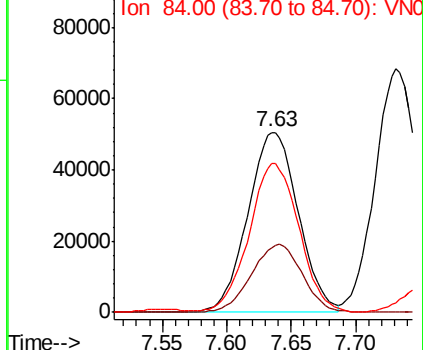
#31
Cyclohexane
Concen: 19.187 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 137457
Ion Ratio Lower Upper
56 100
69 35.8 26.2 39.4
84 81.7 65.6 98.4

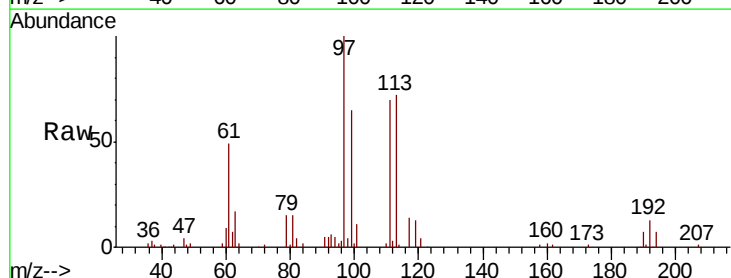


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

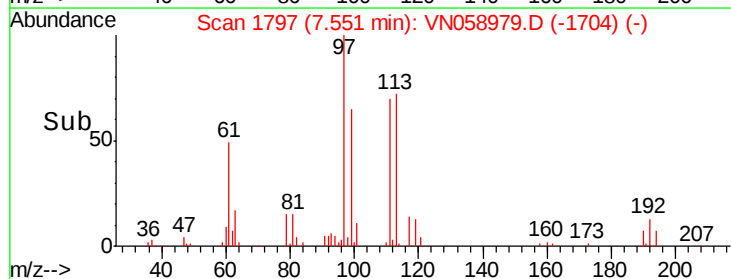
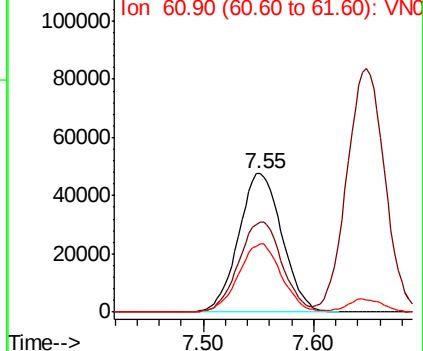


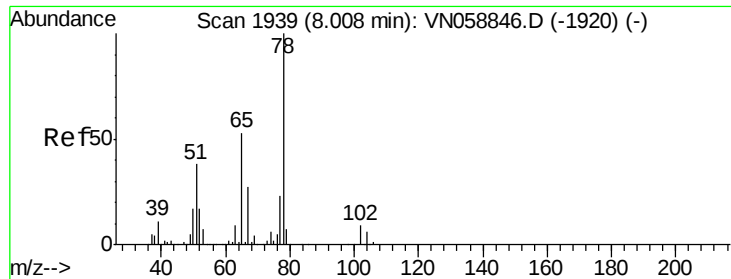
#32
1,1,1-Trichloroethane
Concen: 20.013 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 97 Resp: 130126
Ion Ratio Lower Upper
97 100
99 64.8 51.0 76.4
61 48.8 38.6 58.0



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





#33

1,2-Dichloroethane-d4

Concen: 50.189 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

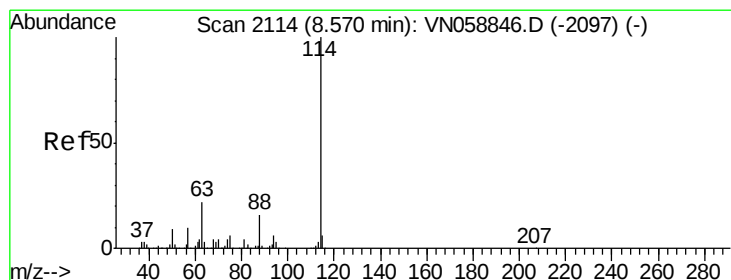
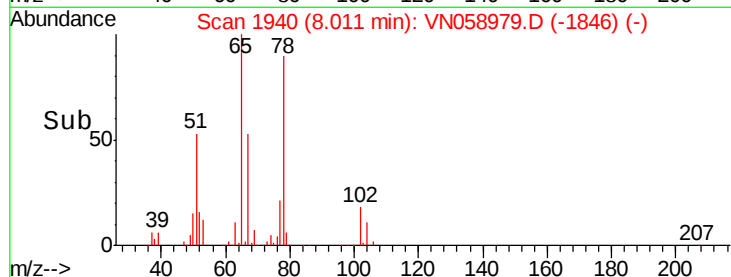
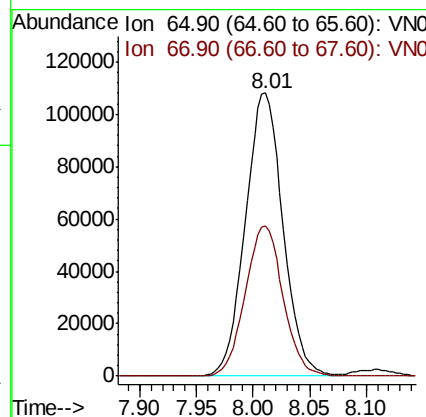
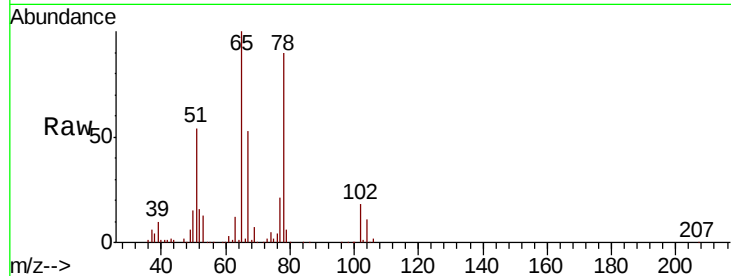
ClientSampleId :

Tot Ion: 65 Resp: 250201

Ion Ratio Lower Upper

65 100

67 53.3 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

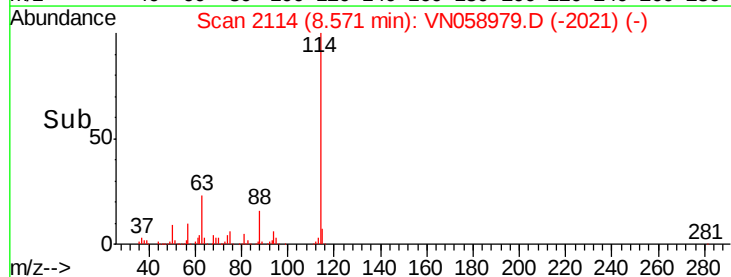
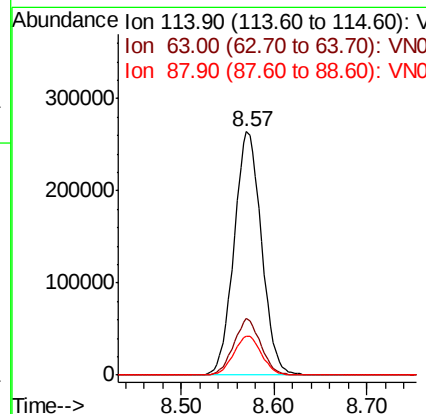
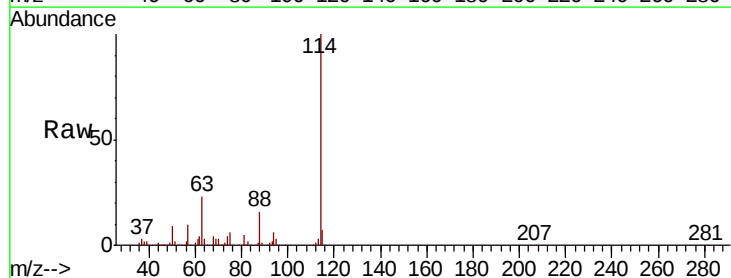
Tgt Ion: 114 Resp: 541249

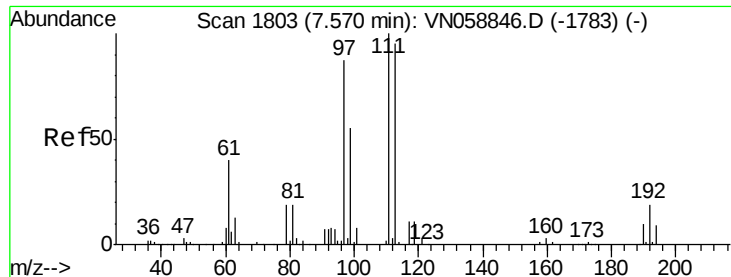
Ion Ratio Lower Upper

114 100

63 23.1 0.0 44.4

88 16.1 0.0 31.4

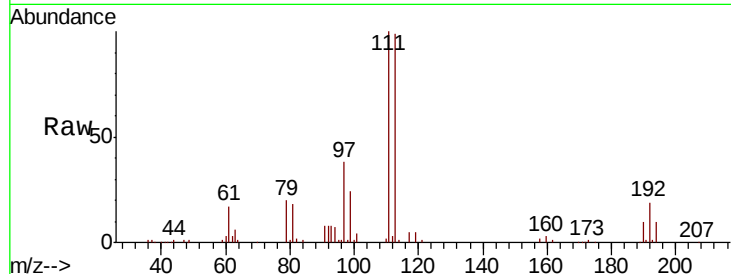




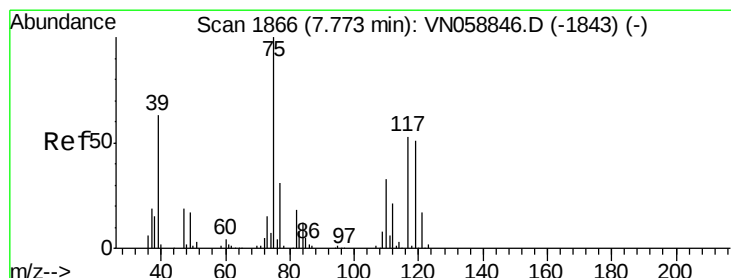
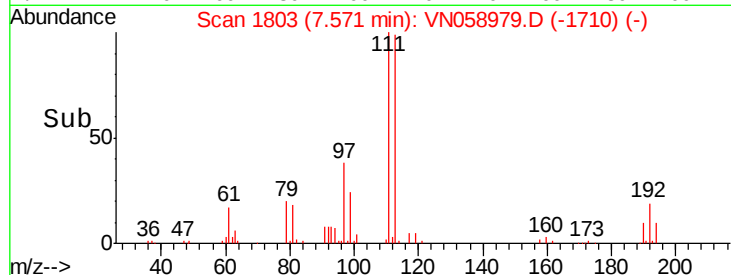
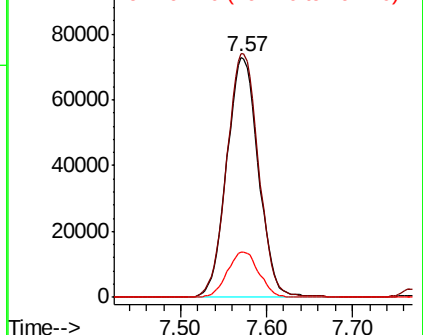
#35
 Dibromofluoromethane
 Concen: 52.268 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	18.8	15.0	22.6

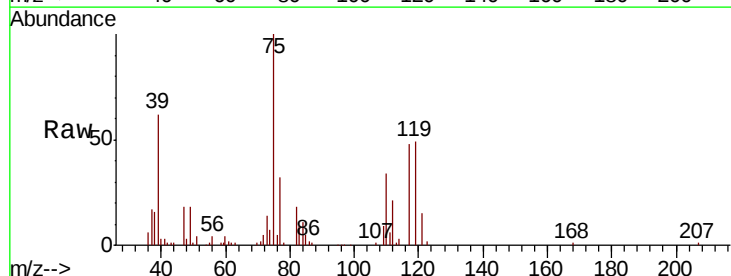


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

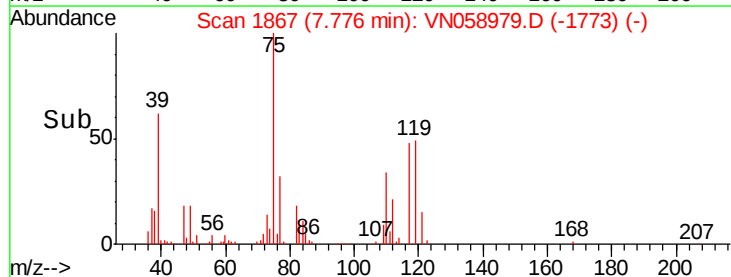
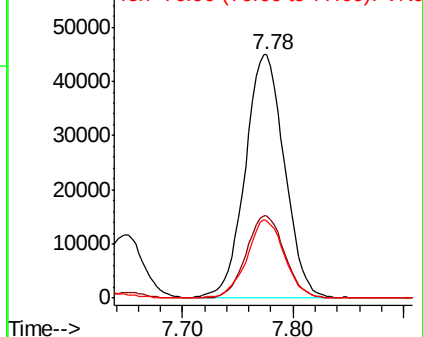


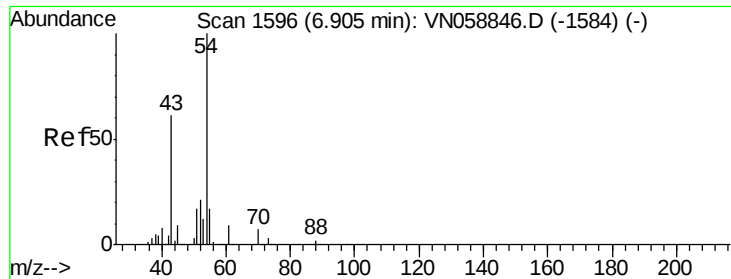
#36
 1,1-Dichloropropene
 Concen: 20.030 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
110	32.9	16.3	48.9
77	30.8	24.6	36.8



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

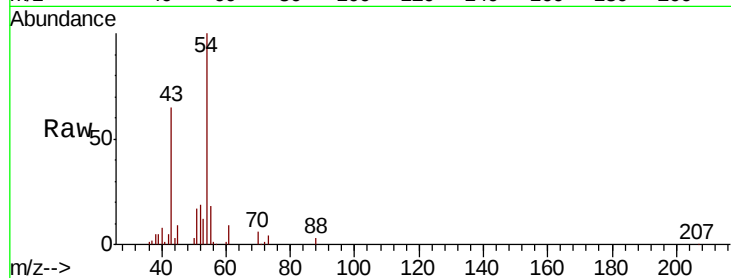




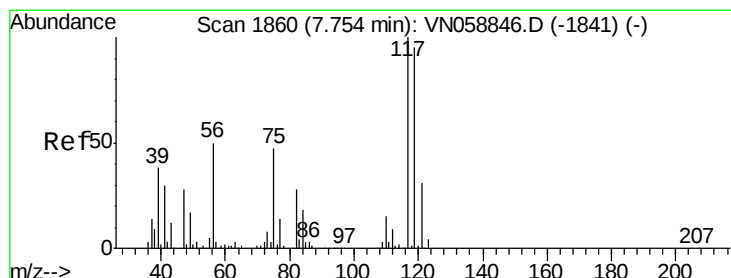
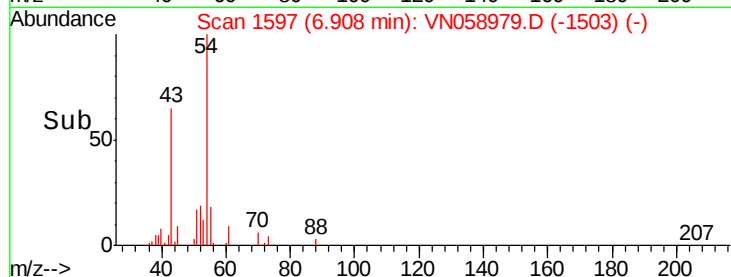
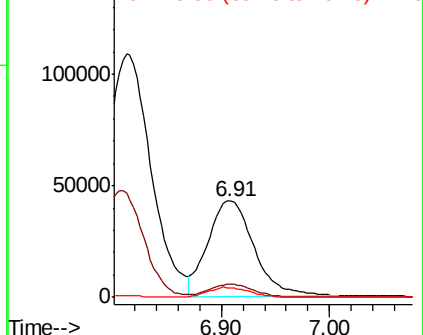
#37
Ethyl Acetate
Concen: 20.902 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 126204
Ion Ratio Lower Upper
43 100
61 13.6 10.5 15.7
70 9.8 7.6 11.4

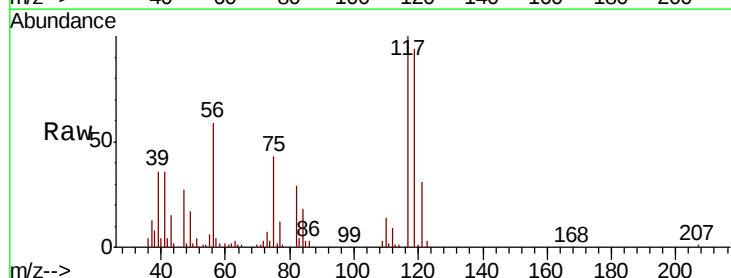


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

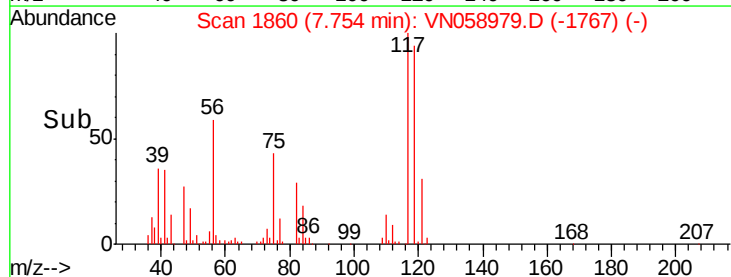
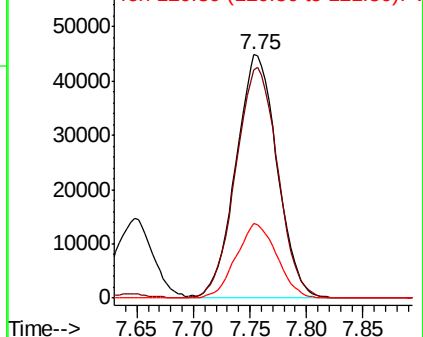


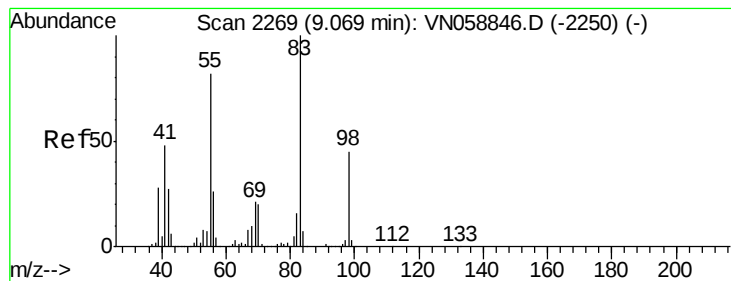
#38
Carbon Tetrachloride
Concen: 19.963 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 117 Resp: 113958
Ion Ratio Lower Upper
117 100
119 93.8 75.7 113.5
121 30.6 25.0 37.6



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





#39

Methvlcvclohexane

Concen: 19.436 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

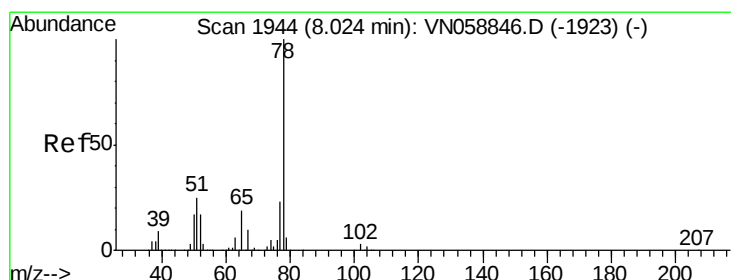
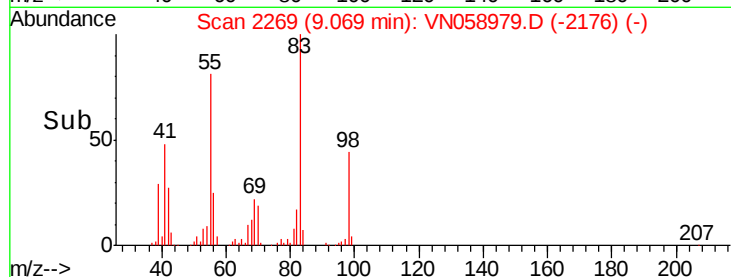
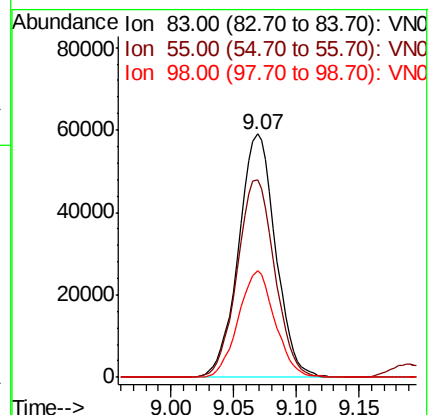
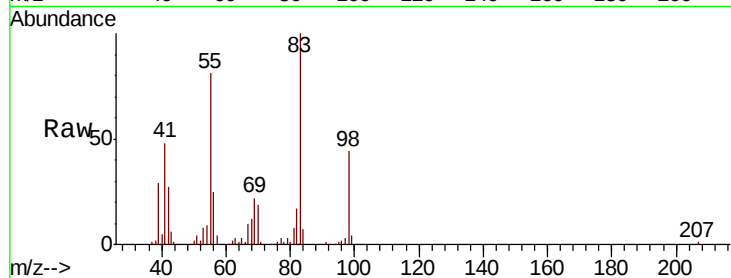
Tot Ion: 83 Resp: 120934

Ion Ratio Lower Upper

83 100

55 81.1 65.5 98.3

98 43.6 35.7 53.5



#40

Benzene

Concen: 20.763 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. 0.00 min

Lab File: VN058979.D

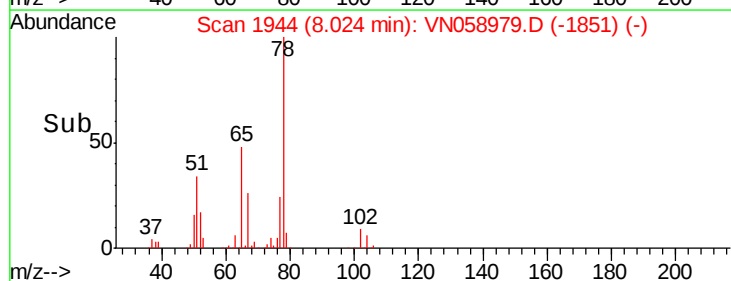
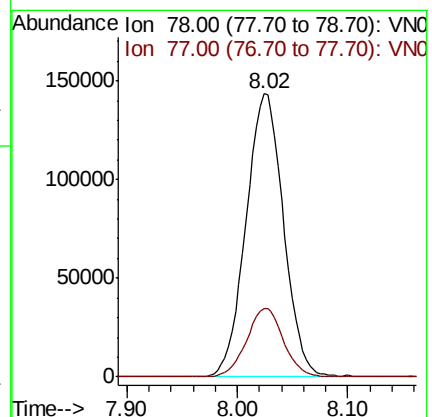
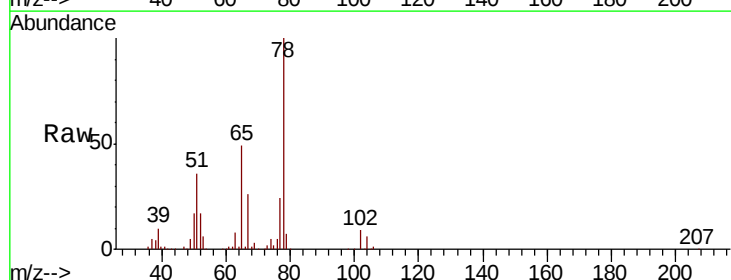
Acq: 25 Oct 2019 12:10

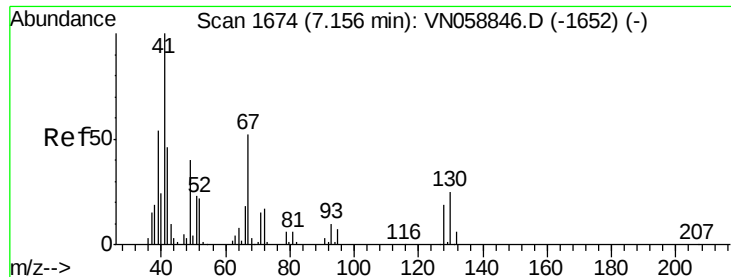
Tgt Ion: 78 Resp: 337857

Ion Ratio Lower Upper

78 100

77 24.2 18.2 27.2

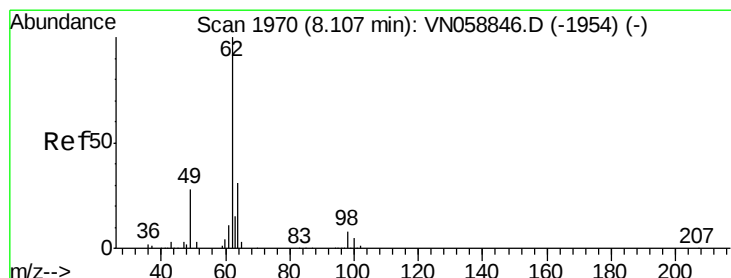
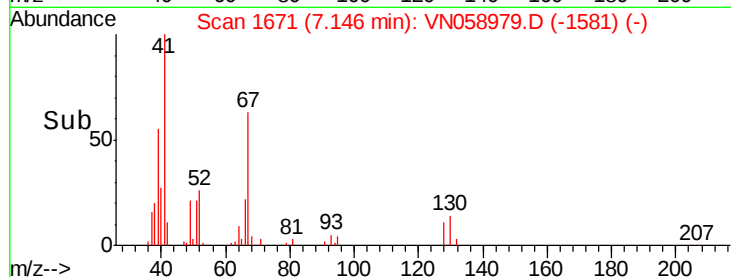
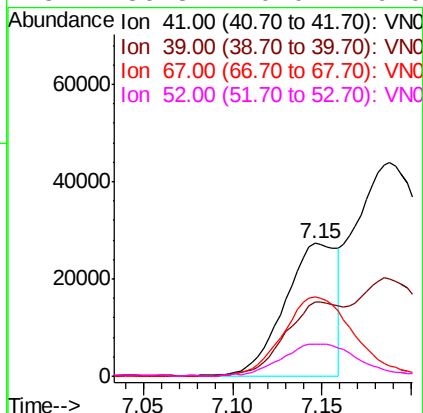
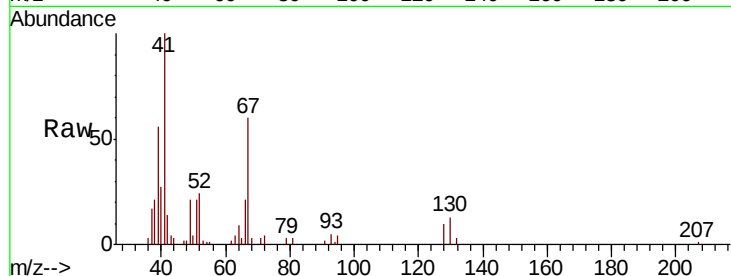




#41
Methacrylonitrile
Concen: 20.759 ug/l
RT: 7.15 min Scan# 1671
Delta R.T. -0.01 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

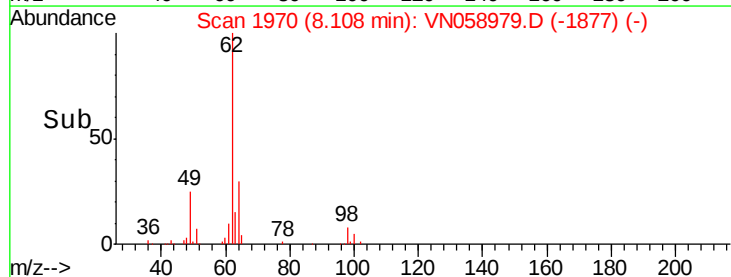
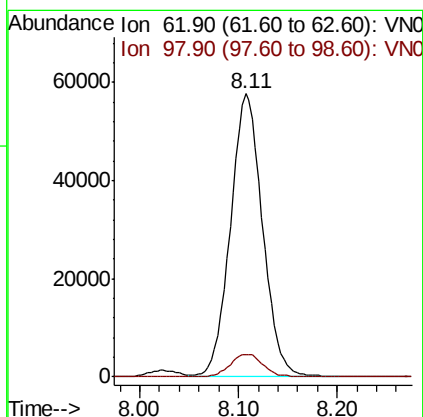
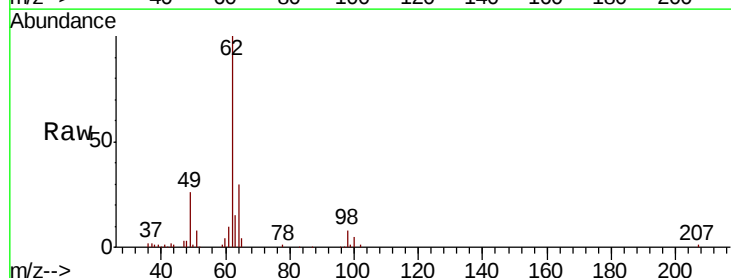
Instrument :
MSVOA_N
ClientSampled :

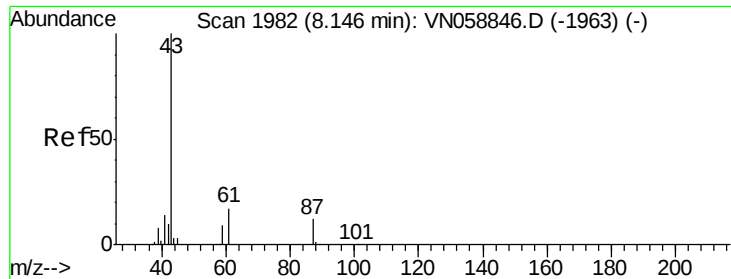
Tot Ion: 41 Resp: 55825
Ion Ratio Lower Upper
41 100
39 59.8 0.0 0.0#
67 82.4 0.0 0.0#
52 36.3 0.0 0.0#



#42
1,2-Dichloroethane
Concen: 20.887 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 62 Resp: 130924
Ion Ratio Lower Upper
62 100
98 8.1 0.0 16.2



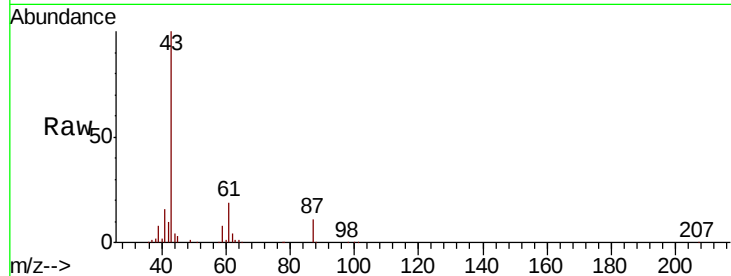


#43

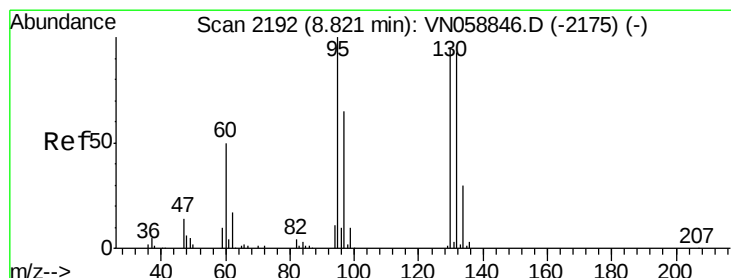
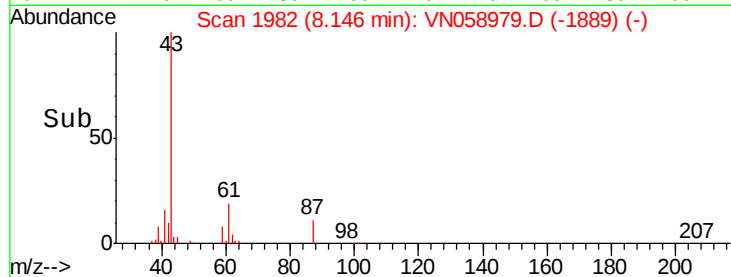
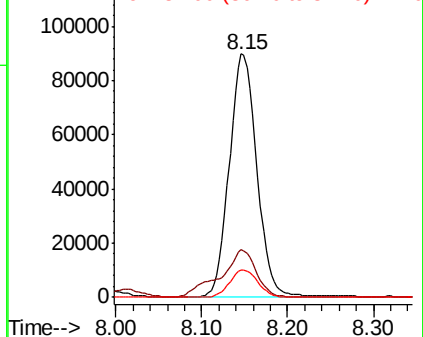
Isopropyl Acetate
 Concen: 20.746 ug/l
 RT: 8.15 min Scan# 1982
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
43	100		
61	24.9	20.2	30.2
87	11.5	9.5	14.3



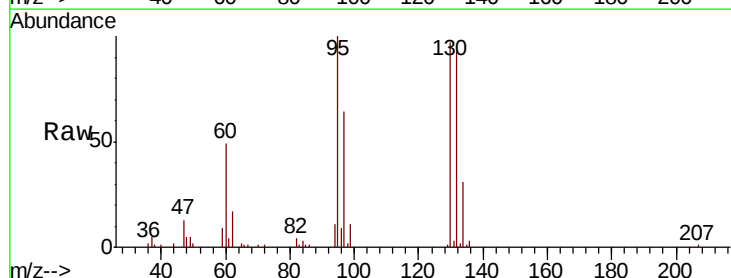
Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-1963) (-)
 Ion 61.00 (60.70 to 61.70): VN058846.D (-1963) (-)
 Ion 87.00 (86.70 to 87.70): VN058846.D (-1963) (-)



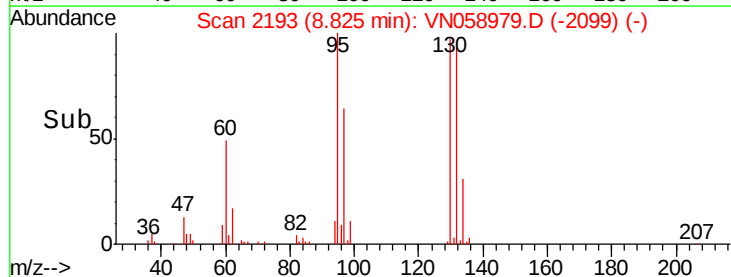
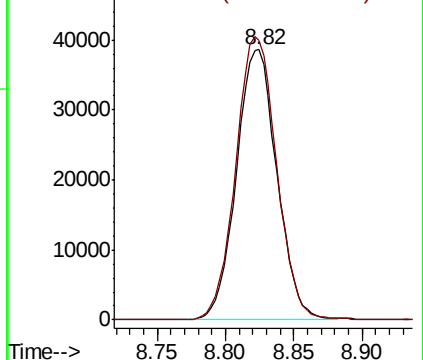
#44

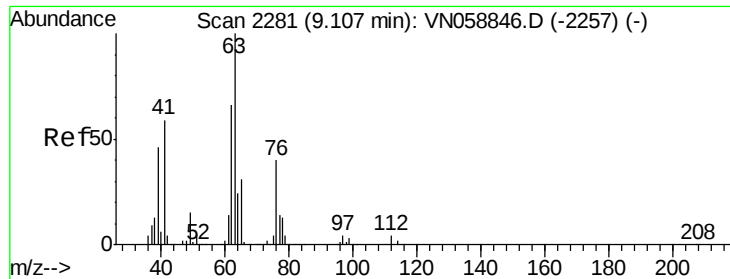
Trichloroethene
 Concen: 20.087 ug/l
 RT: 8.82 min Scan# 2193
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
130	100		
95	103.2	0.0	209.6



Abundance Ion 129.80 (129.50 to 130.50): VN058846.D (-2175) (-)
 Ion 94.90 (94.60 to 95.60): VN058846.D (-2175) (-)





#45

1,2-Dichloropropane

Concen: 21.146 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

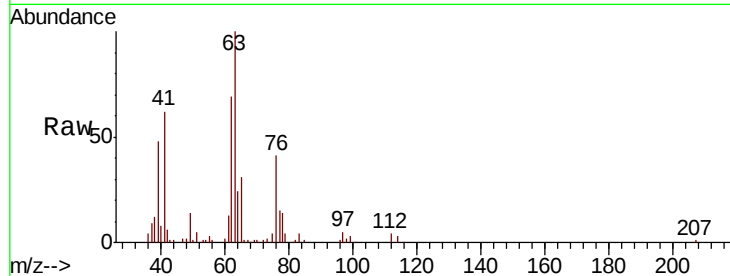
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 63 Resp: 94353

Ion Ratio Lower Upper

63 100

65 30.5 24.5 36.7

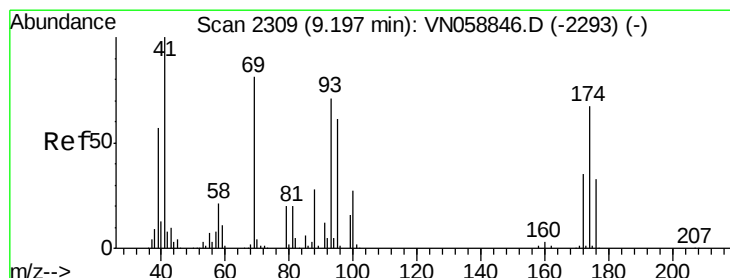
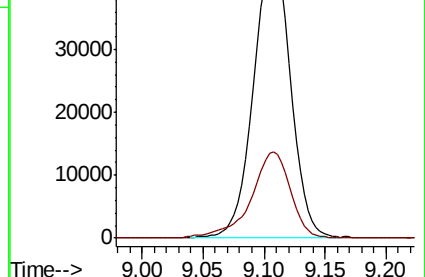
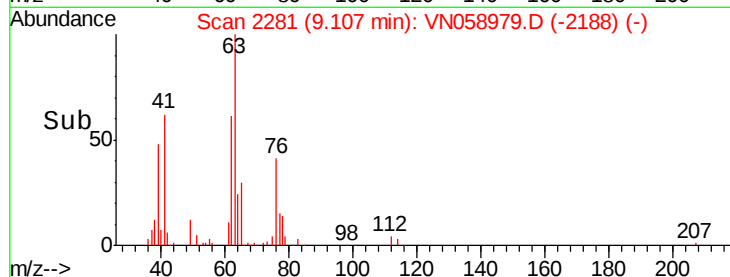


Abundance Ion 62.90 (62.60 to 63.60): VN058846.D (-2257) (-)

Ion 64.90 (64.60 to 65.60): VN058846.D (-2257) (-)

9.11

Time-->



#46

Dibromomethane

Concen: 20.303 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

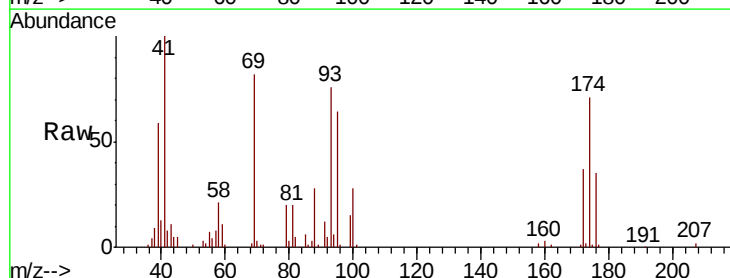
Tgt Ion: 93 Resp: 57269

Ion Ratio Lower Upper

93 100

95 83.9 67.6 101.4

174 94.3 74.1 111.1



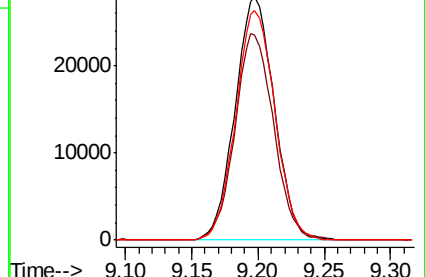
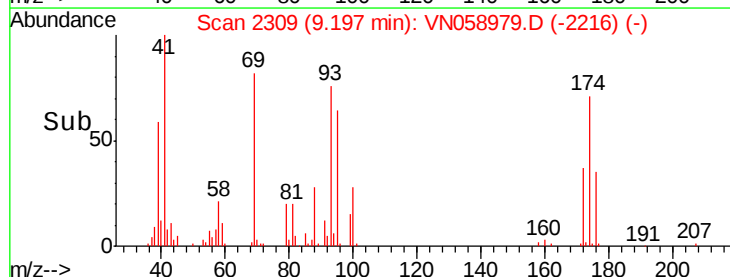
Abundance Ion 92.80 (92.50 to 93.50): VN058846.D (-2293) (-)

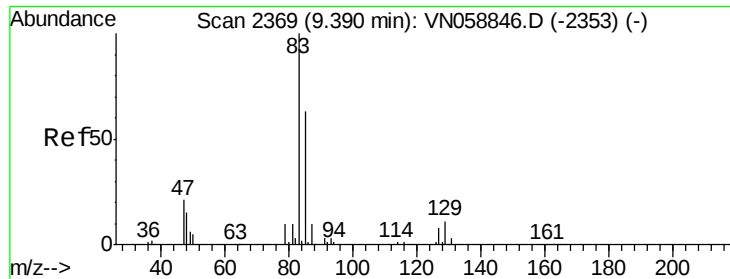
Ion 94.80 (94.50 to 95.50): VN058846.D (-2293) (-)

Ion 173.70 (173.40 to 174.40): VN058846.D (-2293) (-)

9.20

Time-->





#47

Bromodichloromethane

Concen: 20.616 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

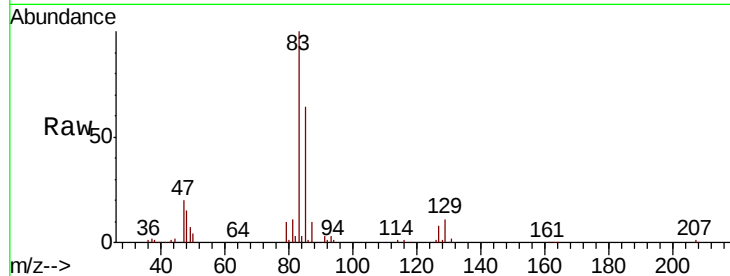
Tot Ion: 83 Resp: 119856

Ion Ratio Lower Upper

83 100

85 64.4 50.6 75.8

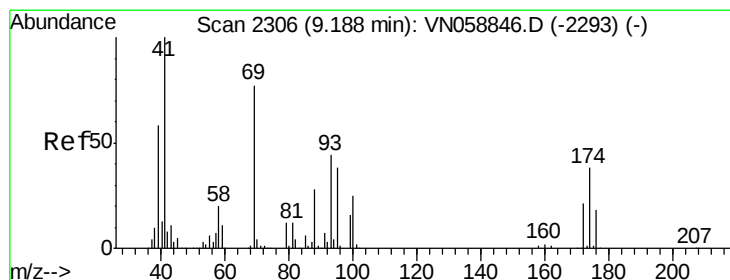
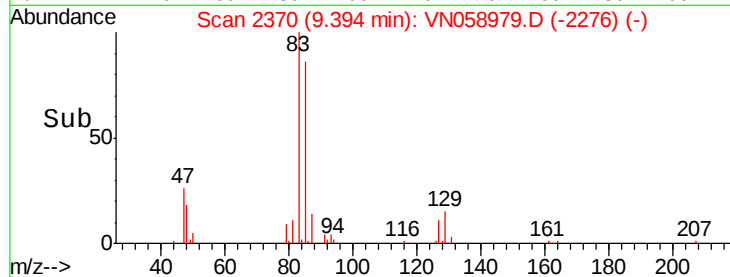
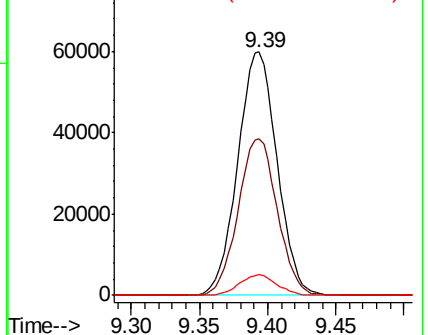
127 8.4 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN058846.D (-2353) (-)

Ion 84.90 (84.60 to 85.60): VN058846.D (-2353) (-)

Ion 126.80 (126.50 to 127.50): VN058846.D (-2353) (-)



#48

Methyl methacrylate

Concen: 20.537 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

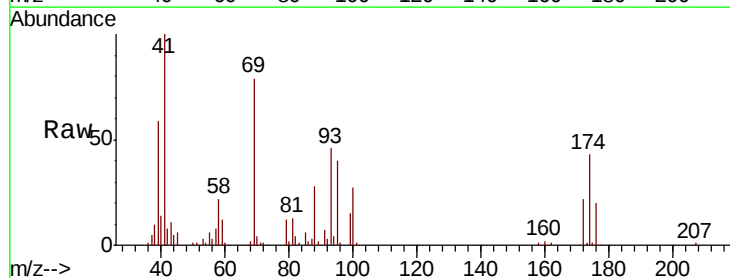
Tgt Ion: 41 Resp: 90229

Ion Ratio Lower Upper

41 100

69 79.8 63.8 95.6

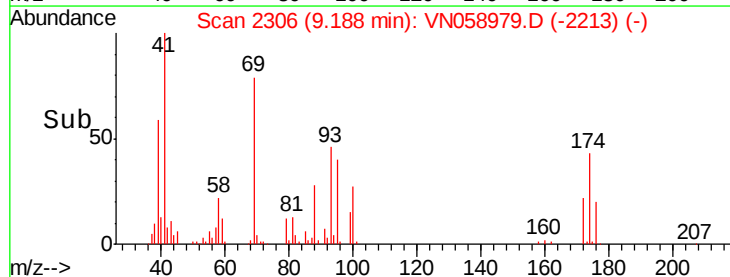
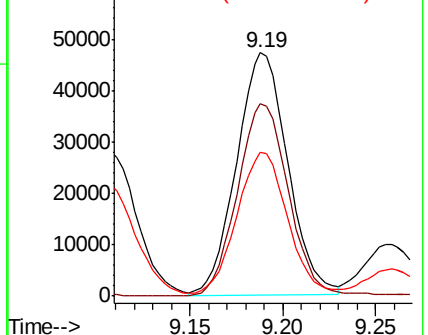
39 59.1 47.8 71.8

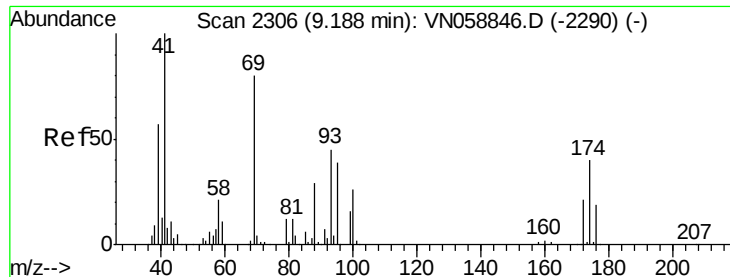


Abundance Ion 41.00 (40.70 to 41.70): VN058846.D (-2293) (-)

Ion 69.00 (68.70 to 69.70): VN058846.D (-2293) (-)

Ion 39.00 (38.70 to 39.70): VN058846.D (-2293) (-)

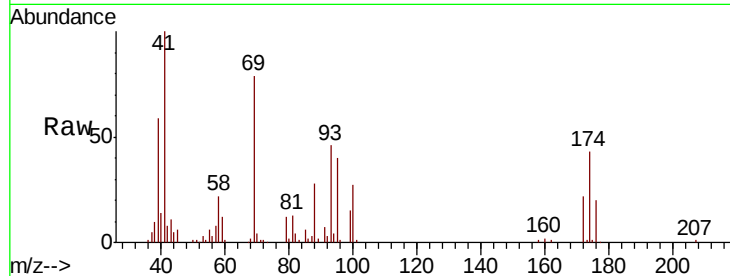




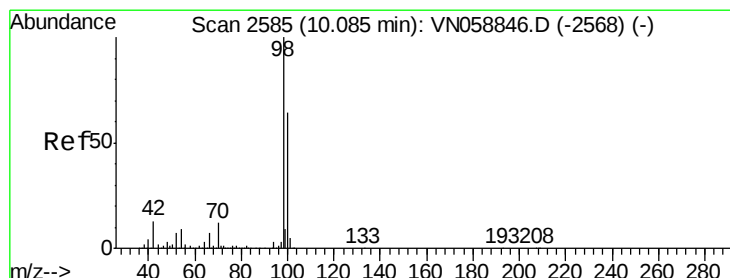
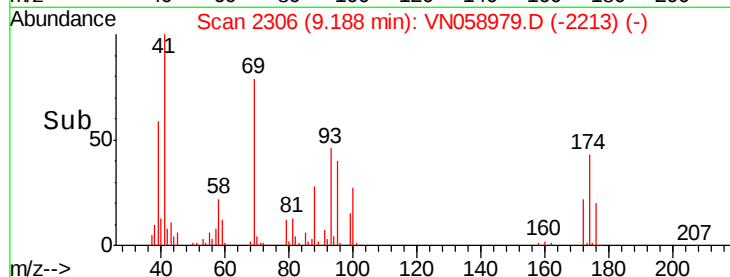
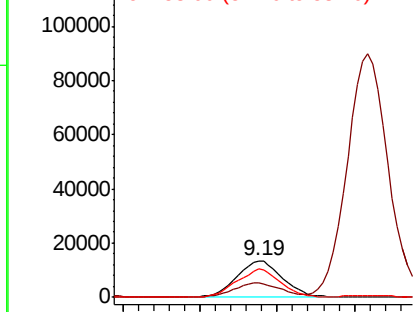
#49
1,4-Dioxane
Concen: 381.694 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 27528
Ion Ratio Lower Upper
88 100
43 41.3 29.1 43.7
58 74.6 59.4 89.0

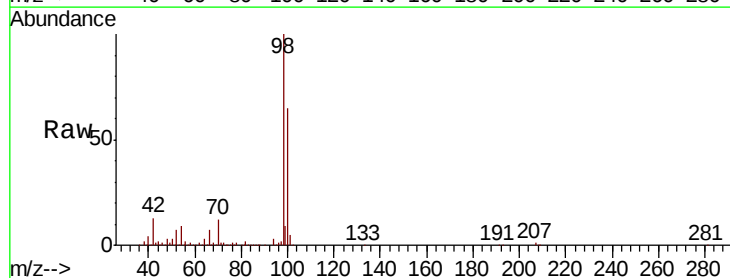


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

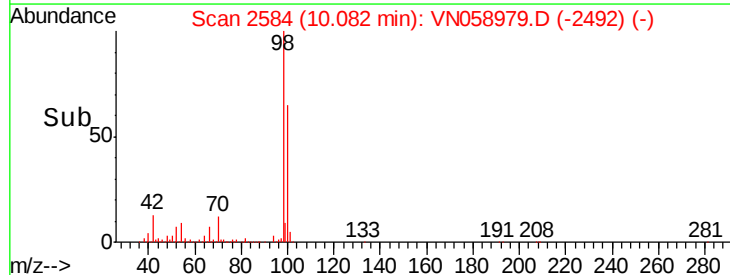
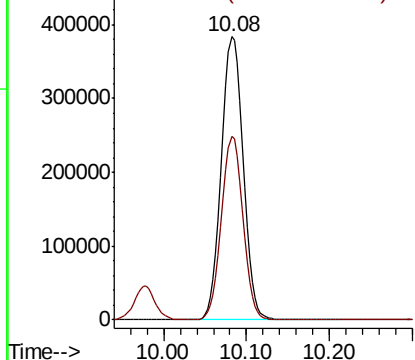


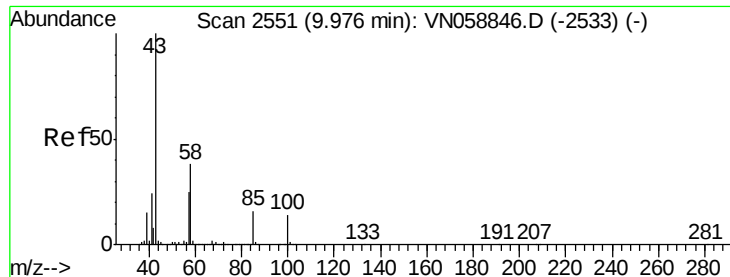
#50
Toluene-d8
Concen: 50.774 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. -0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 98 Resp: 701388
Ion Ratio Lower Upper
98 100
100 64.0 51.4 77.2



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: 112.215 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

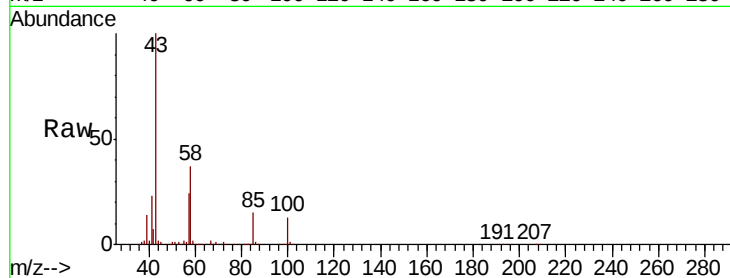
ClientSampleId :

Tot Ion: 43 Resp: 634688

Ion Ratio Lower Upper

43 100

58 36.6 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN058846.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058846.D (-2533) (-)

9.98

400000

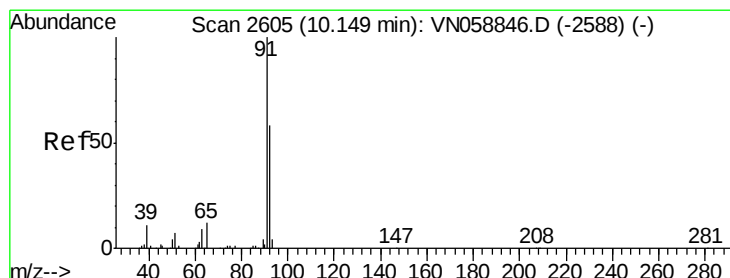
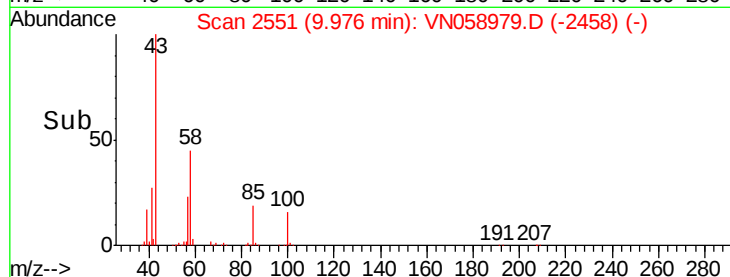
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.277 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058979.D

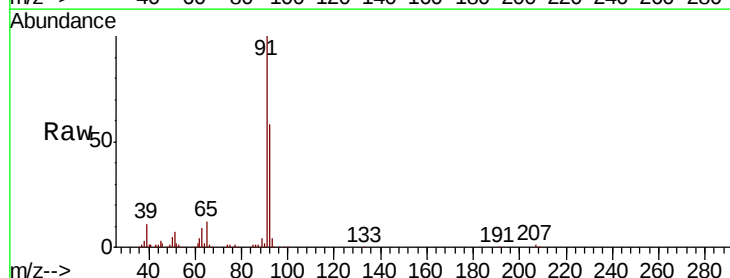
Acq: 25 Oct 2019 12:10

Tgt Ion: 92 Resp: 205312

Ion Ratio Lower Upper

92 100

91 171.4 138.9 208.3



Abundance Ion 92.00 (91.70 to 92.70): VN058846.D (-2588) (-)

Ion 91.00 (90.70 to 91.70): VN058846.D (-2588) (-)

10.15

200000

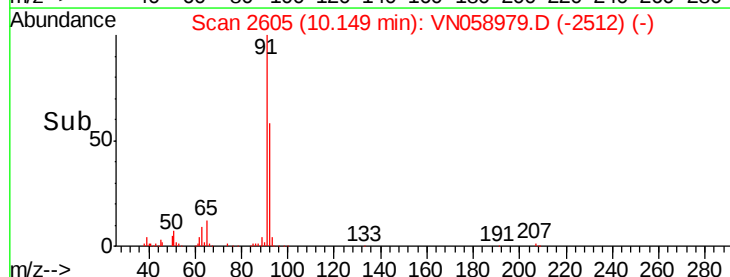
150000

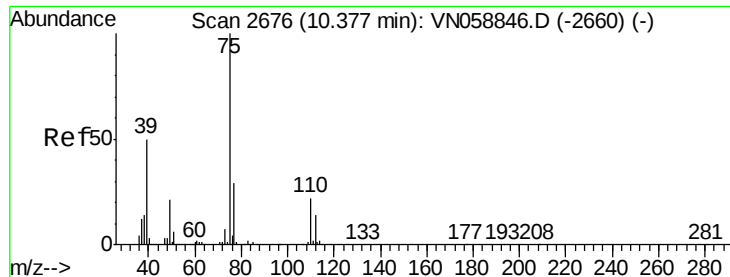
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.545 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

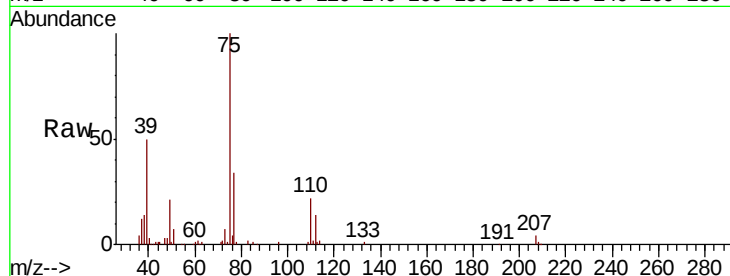
ClientSampleId :

Tot Ion: 75 Resp: 132226

Ion Ratio Lower Upper

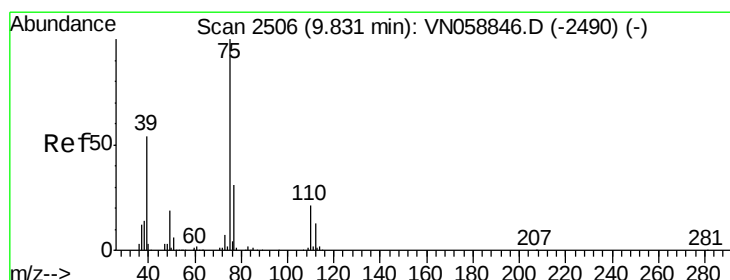
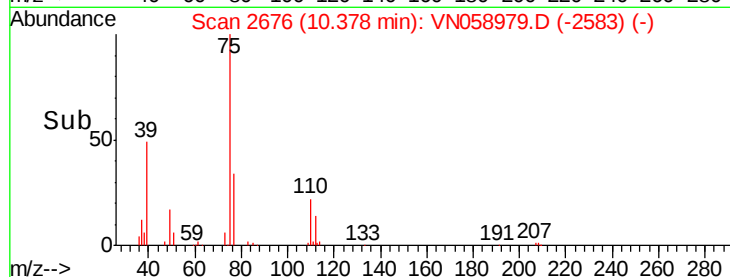
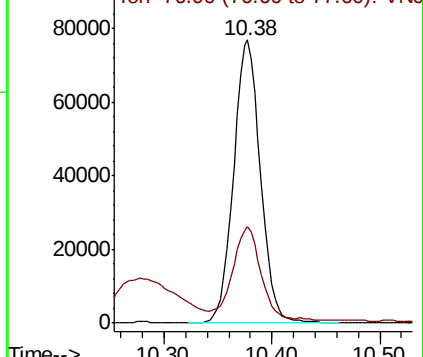
75 100

77 32.9 25.7 38.5



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.622 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

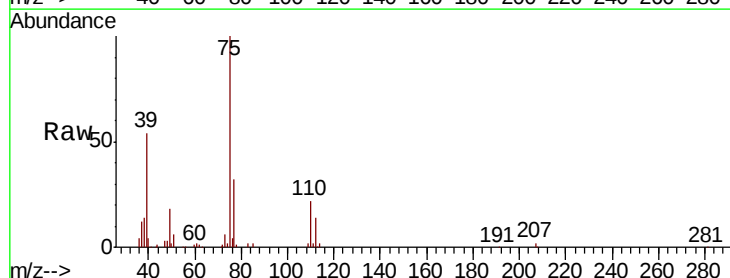
Tgt Ion: 75 Resp: 141799

Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

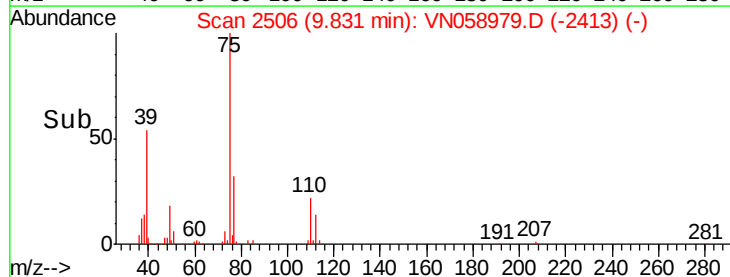
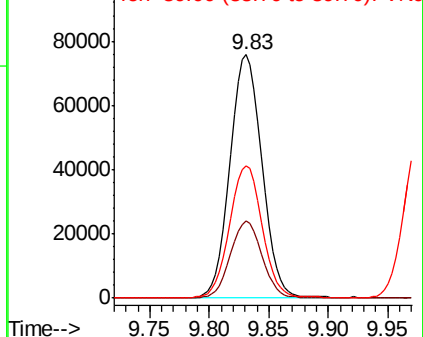
39 54.5 43.5 65.3

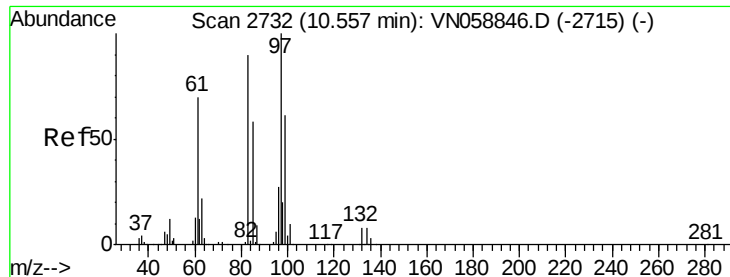


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 20.666 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

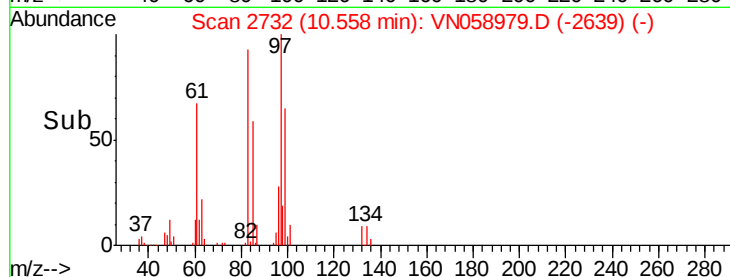
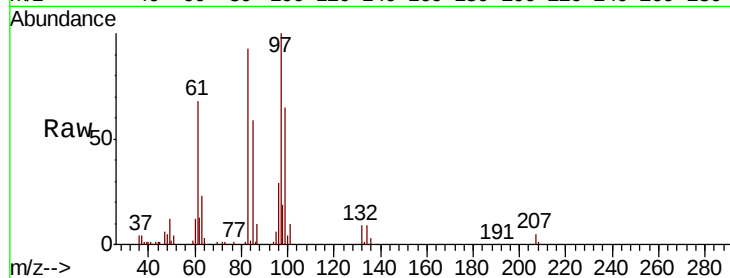
Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 97 Resp: 82150

Ion	Ratio	Lower	Upper
97	100		
83	92.8	72.2	108.4
85	59.2	46.2	69.2
99	64.5	48.7	73.1

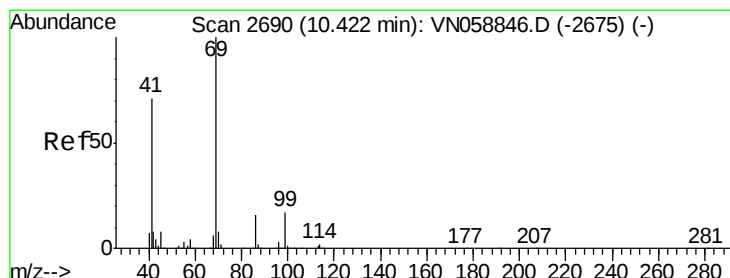
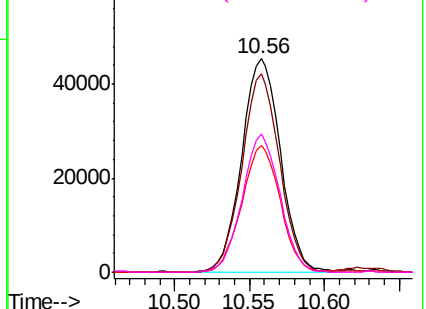


Abundance Ion 96.90 (96.60 to 97.60): VNO

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: 19.312 ug/l

RT: 10.43 min Scan# 2691

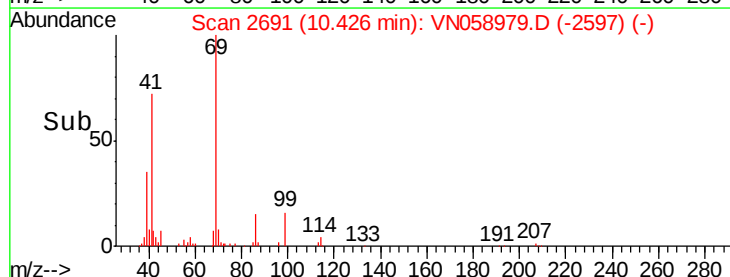
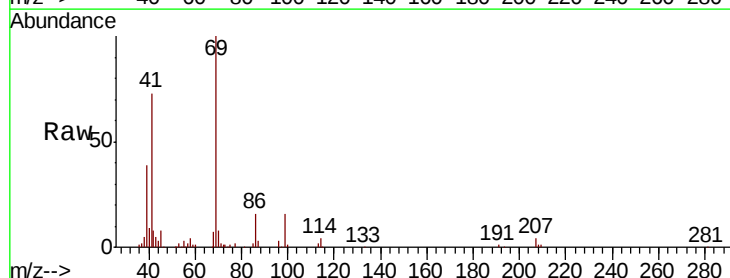
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion: 69 Resp: 119981

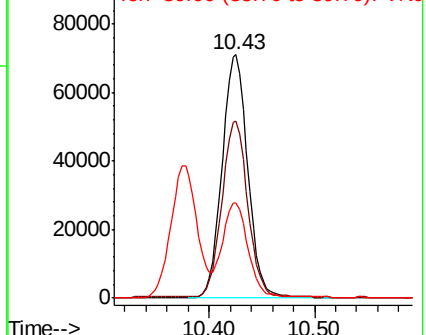
Ion	Ratio	Lower	Upper
69	100		
41	72.5	57.2	85.8
39	39.1	31.0	46.4

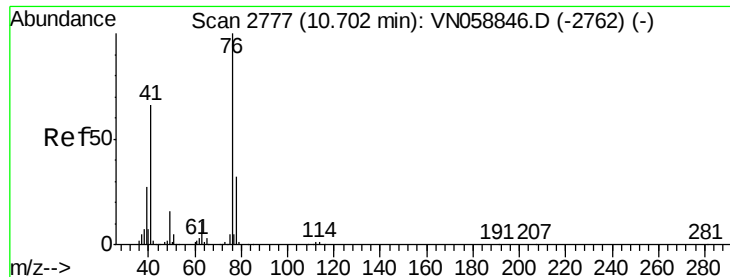


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 20.838 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

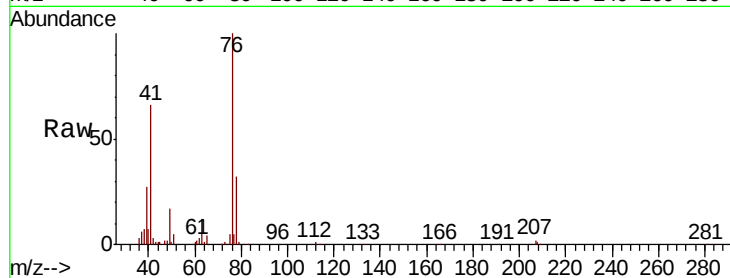
ClientSampled :

Tot Ion: 76 Resp: 145385

Ion Ratio Lower Upper

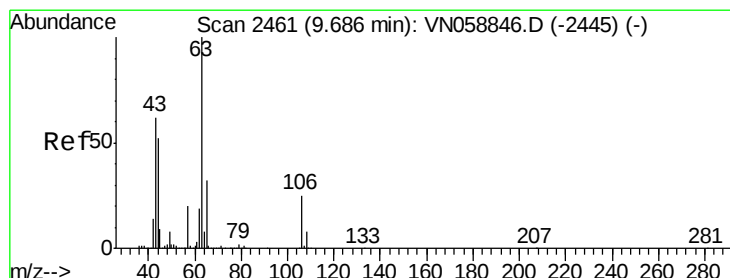
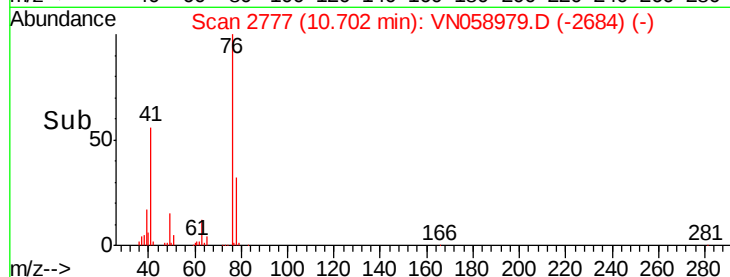
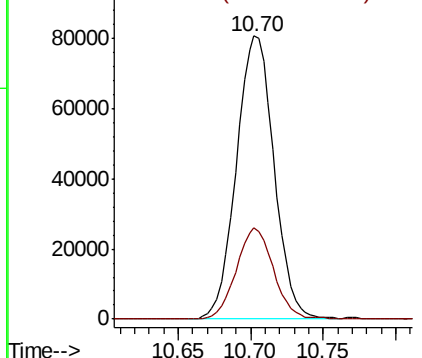
76 100

78 31.8 25.4 38.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 96.532 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058979.D

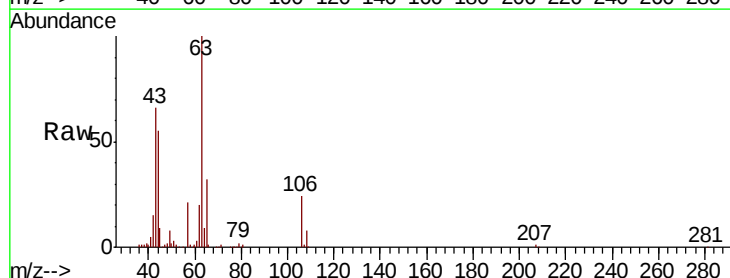
Acq: 25 Oct 2019 12:10

Tgt Ion: 63 Resp: 262158

Ion Ratio Lower Upper

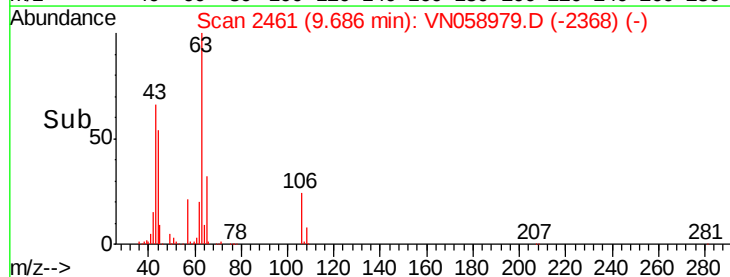
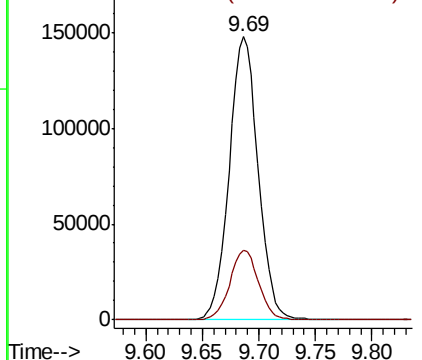
63 100

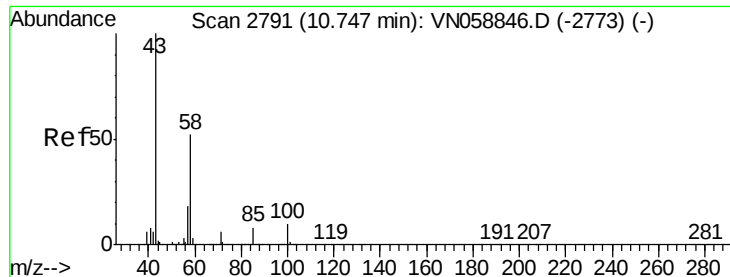
106 24.4 19.8 29.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

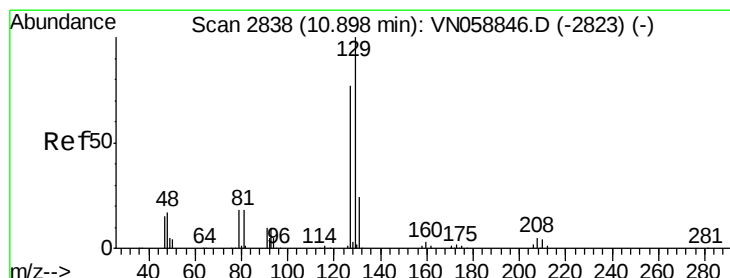
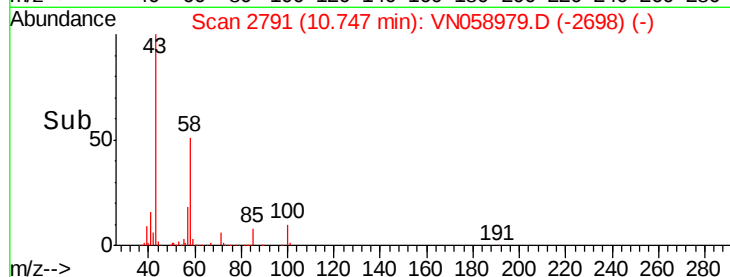
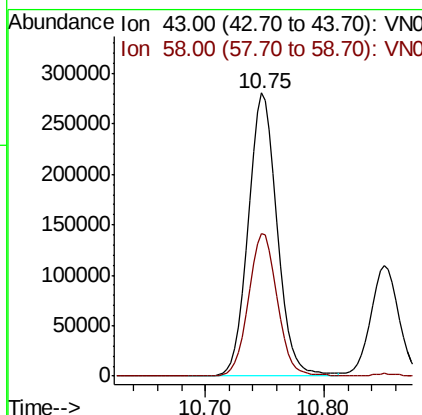
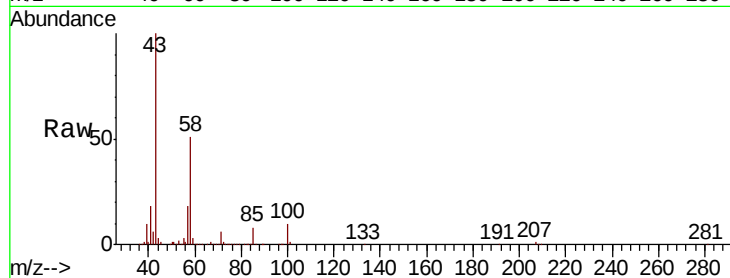




#59
2-Hexanone
Concen: 107.346 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

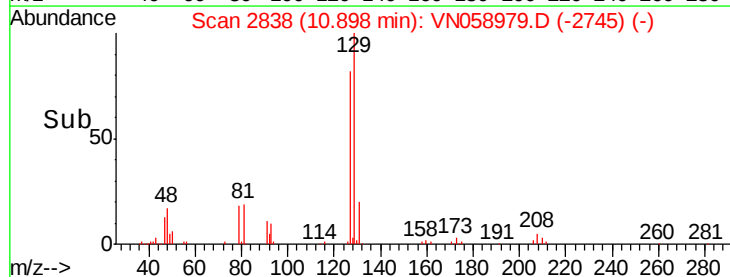
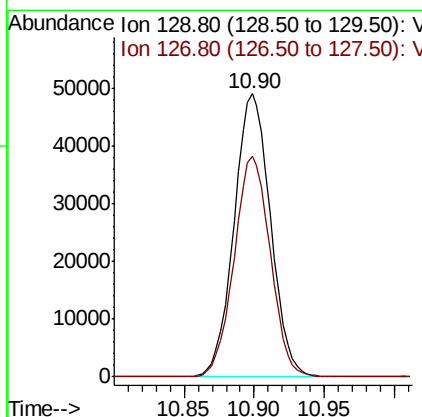
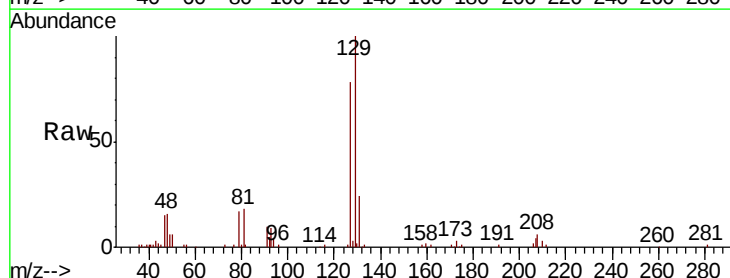
Instrument :
MSVOA_N
ClientSampleId :

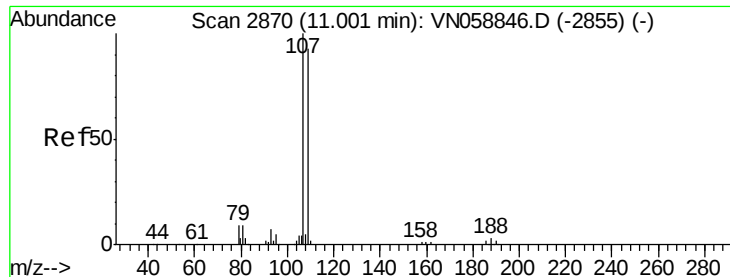
Tot Ion: 43 Resp: 469166
Ion Ratio Lower Upper
43 100
58 50.7 25.9 77.7



#60
Dibromochloromethane
Concen: 20.739 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 129 Resp: 88735
Ion Ratio Lower Upper
129 100
127 77.4 39.1 117.3

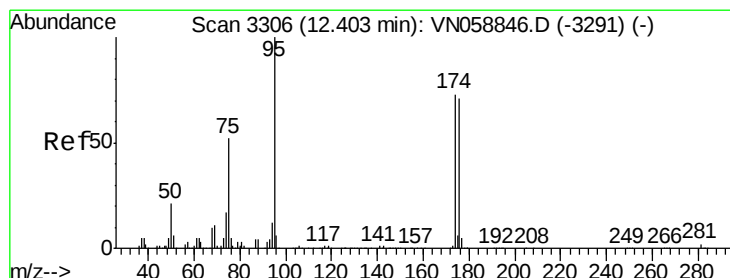
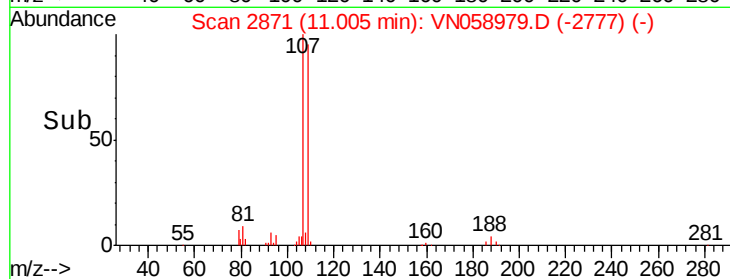
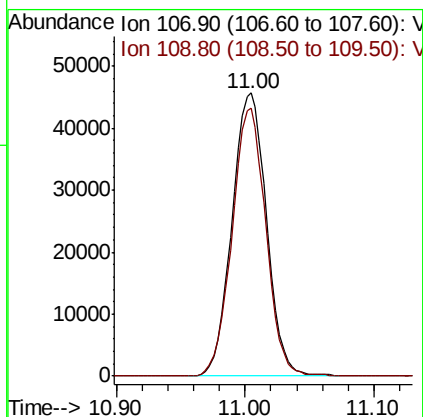
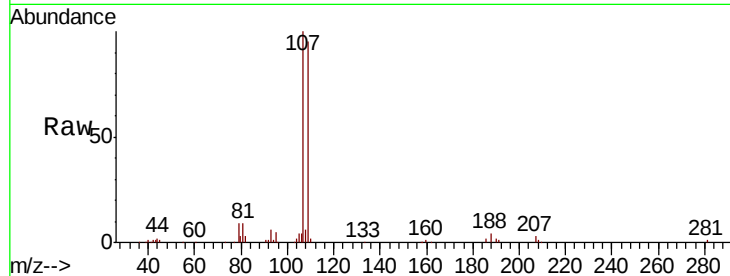




#61
 1,2-Dibromoethane
 Concen: 20.832 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

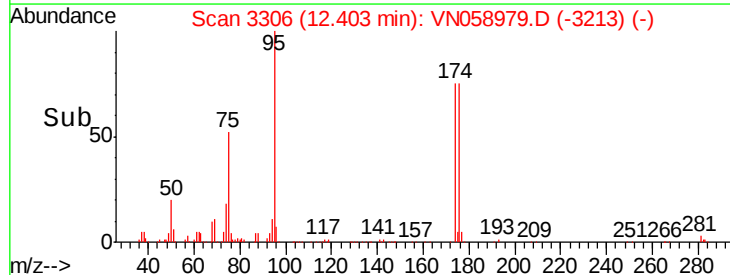
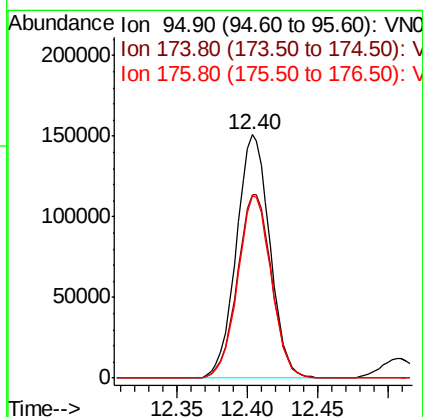
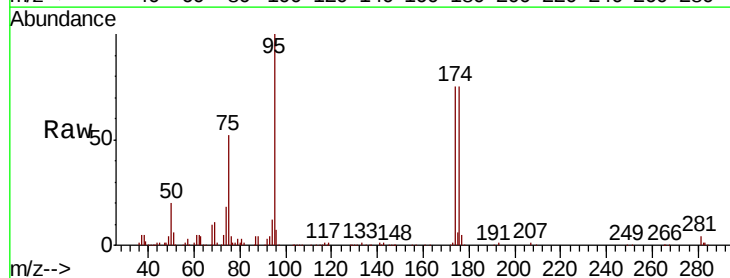
Instrument :
 MSVOA_N
 ClientSampled :

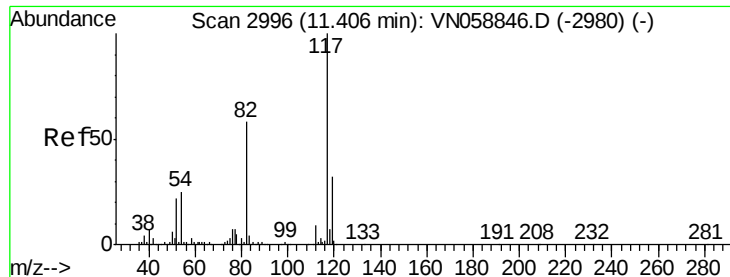
Tot Ion:107 Resp: 84746
 Ion Ratio Lower Upper
 107 100
 109 92.8 75.2 112.8



#62
 4-Bromofluorobenzene
 Concen: 49.469 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion: 95 Resp: 250946
 Ion Ratio Lower Upper
 95 100
 174 77.1 0.0 147.6
 176 74.9 0.0 143.2

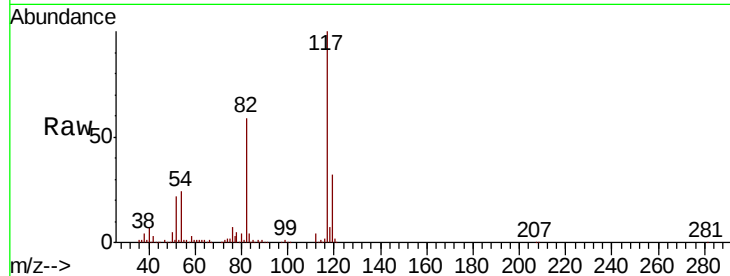




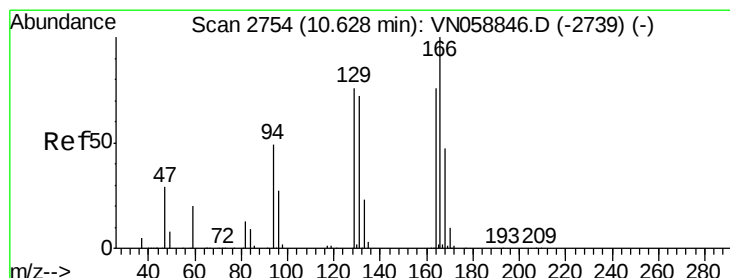
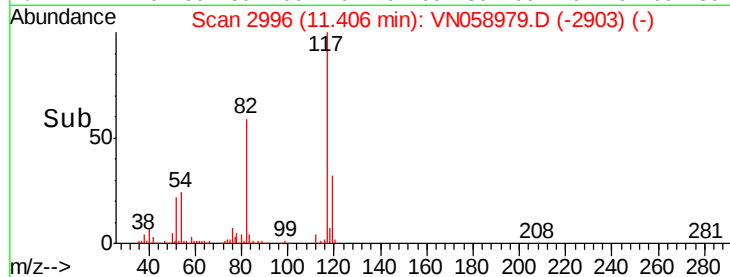
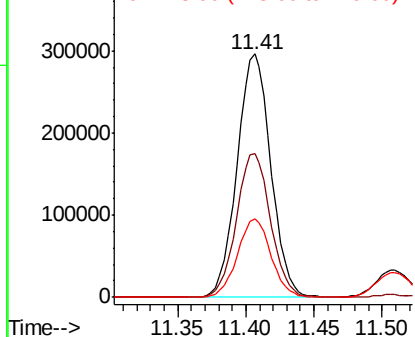
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 508663
Ion Ratio Lower Upper
117 100
82 59.2 46.6 69.8
119 32.0 25.6 38.4

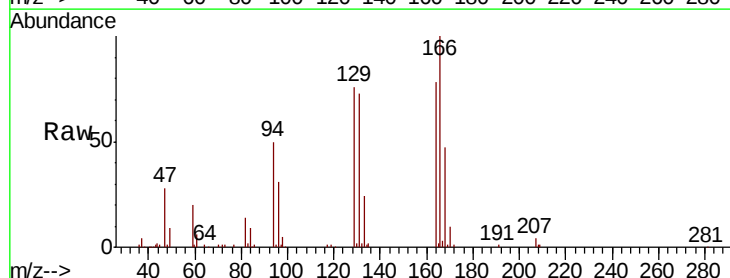


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

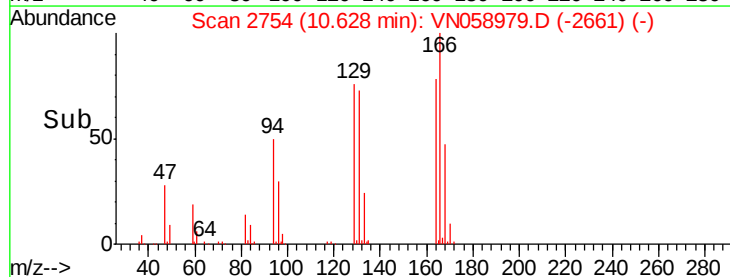
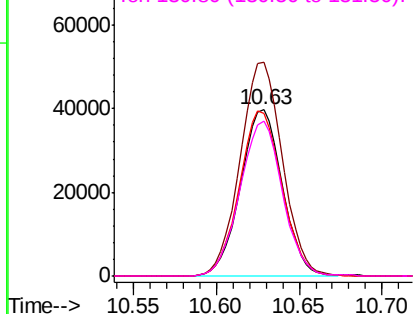


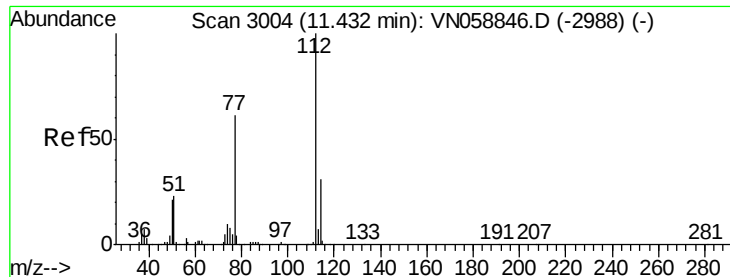
#64
Tetrachloroethene
Concen: 19.494 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion:164 Resp: 69444
Ion Ratio Lower Upper
164 100
166 128.7 104.8 157.2
129 98.0 79.3 118.9
131 93.3 75.8 113.6



Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

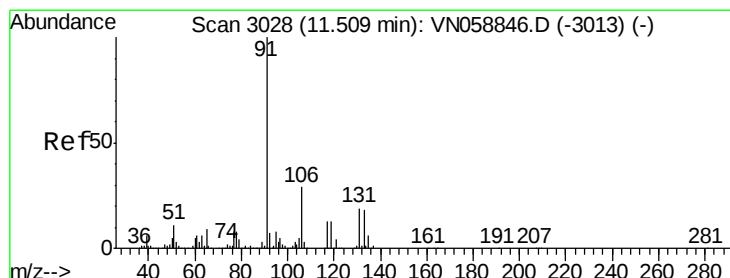
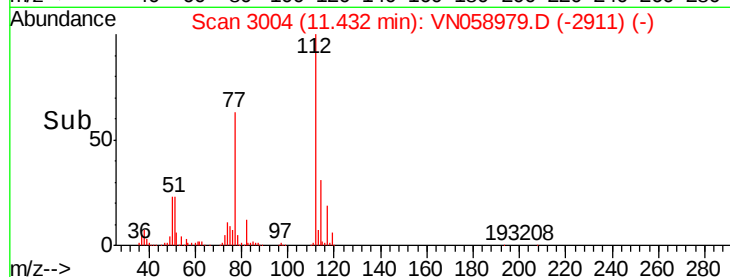
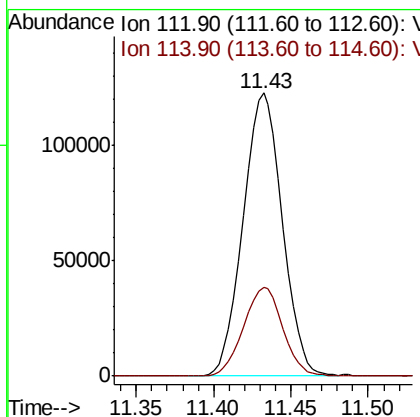
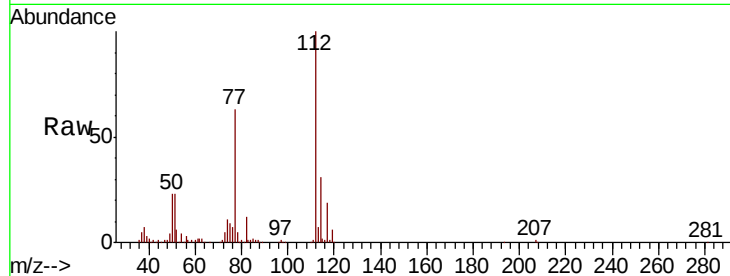




#65
Chlorobenzene
Concen: 20.877 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

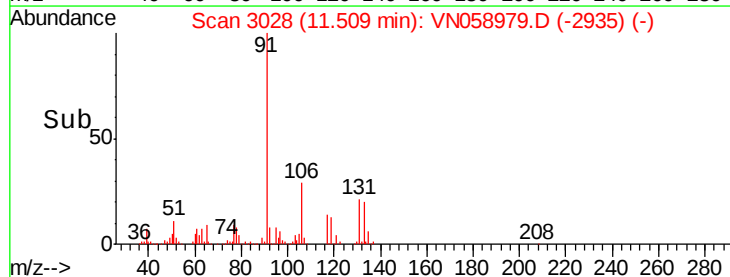
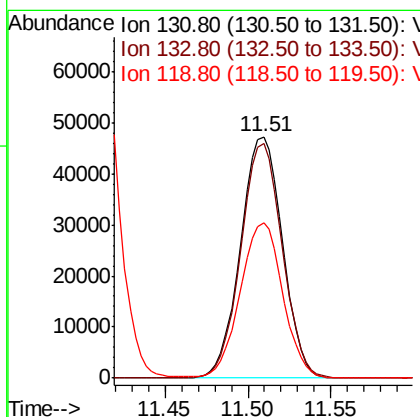
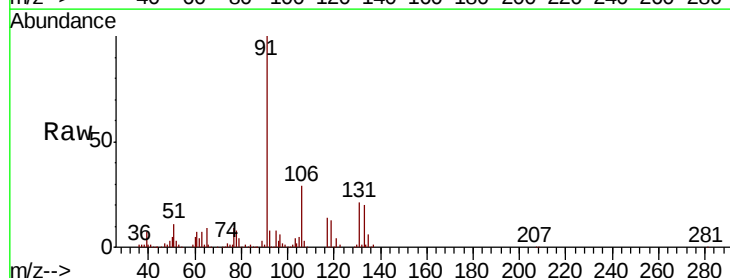
Instrument :
MSVOA_N
ClientSampled :

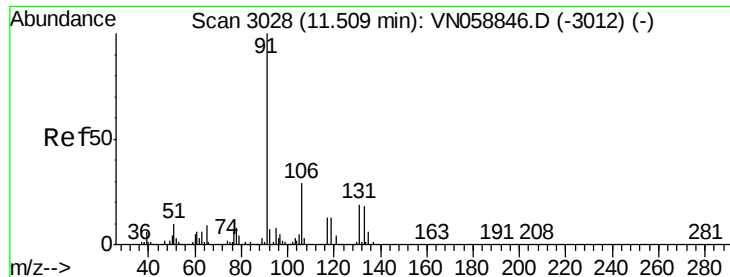
Tot Ion:112 Resp: 216192
Ion Ratio Lower Upper
112 100
114 31.3 25.1 37.7



#66
1,1,1,2-Tetrachloroethane
Concen: 21.247 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion:131 Resp: 83030
Ion Ratio Lower Upper
131 100
133 96.5 48.4 145.2
119 65.6 33.6 100.8





#67

Ethyl Benzene

Concen: 21.109 ug/l

RT: 11.51 min Scan# 3029

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

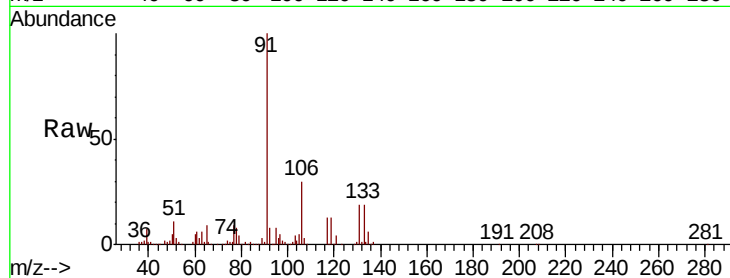
ClientSampled :

Tot Ion: 91 Resp: 383477

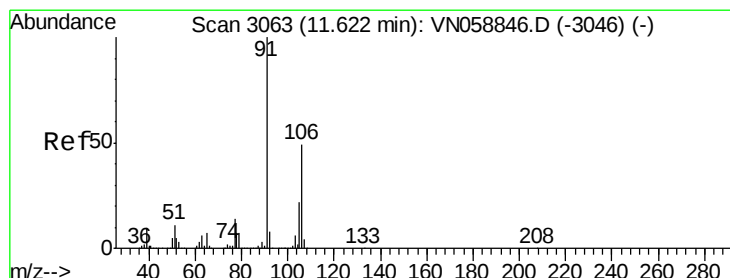
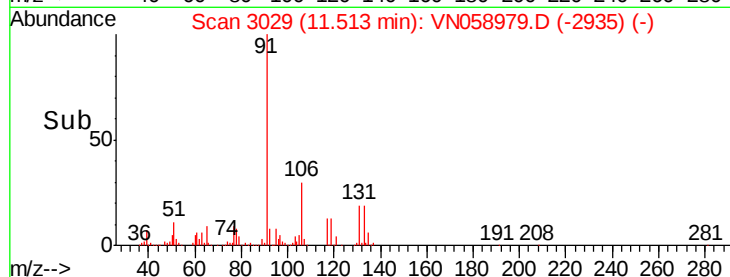
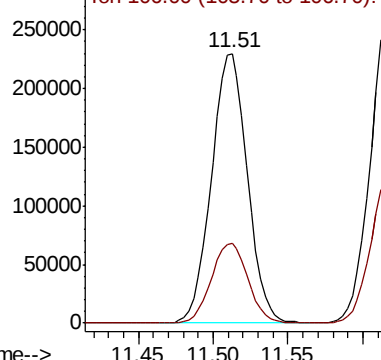
Ion Ratio Lower Upper

91 100

106 29.9 23.4 35.0



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3012) (-)



#68

m/p-Xylenes

Concen: 42.327 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. 0.00 min

Lab File: VN058979.D

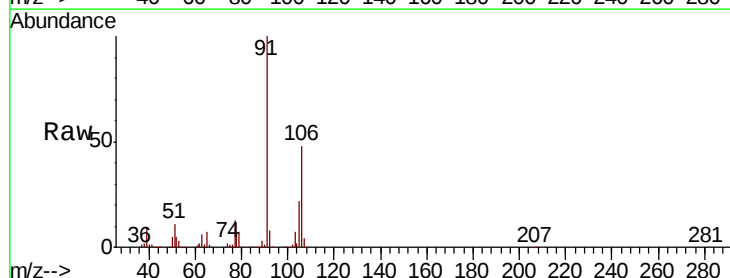
Acq: 25 Oct 2019 12:10

Tgt Ion: 106 Resp: 285152

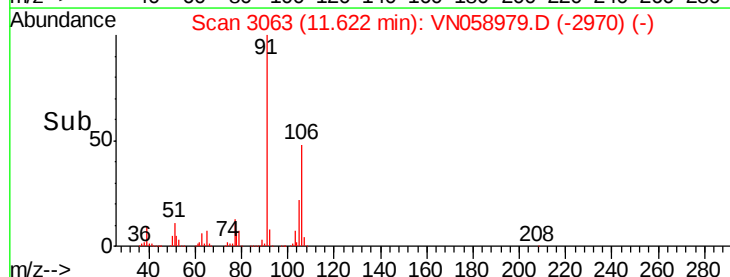
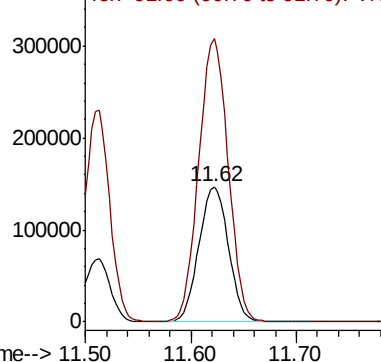
Ion Ratio Lower Upper

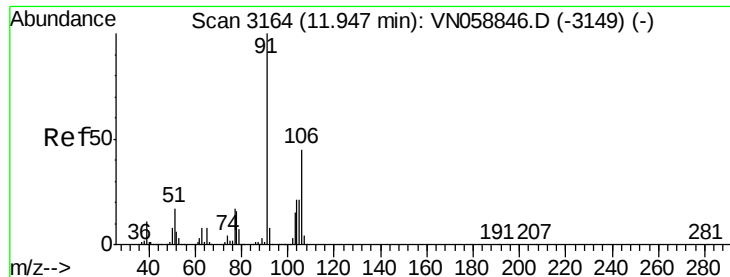
106 100

91 208.0 166.6 249.8



Abundance Ion 106.00 (105.70 to 106.70): VN058846.D (-3046) (-)

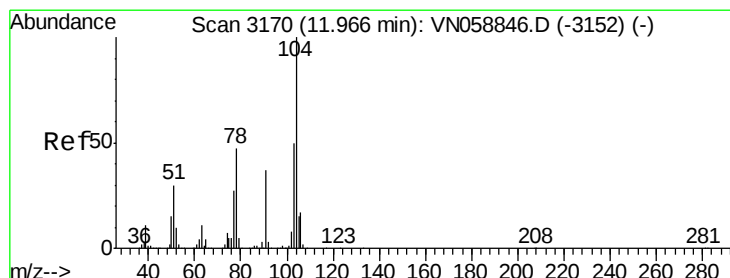
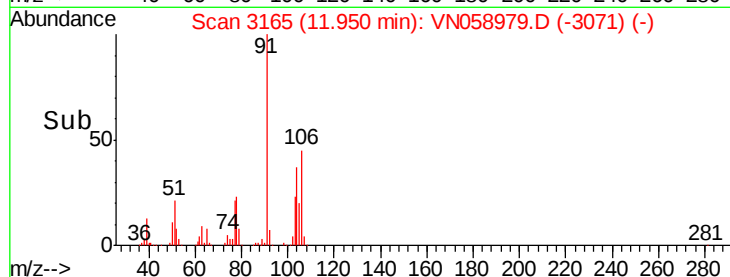
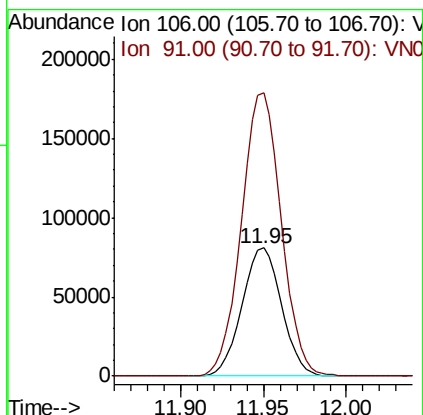
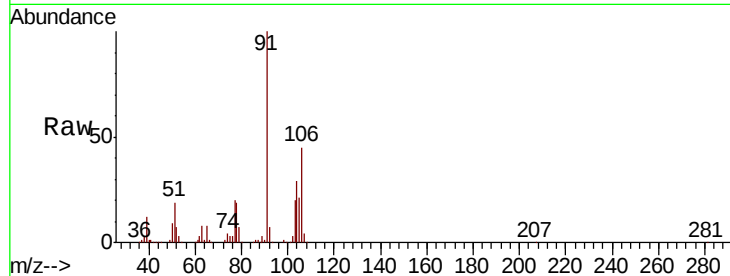




#69
o-Xylene
Concen: 20.927 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

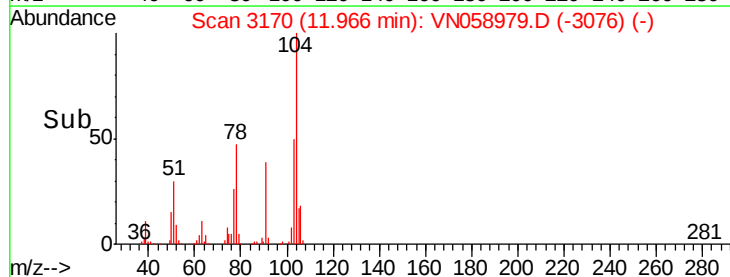
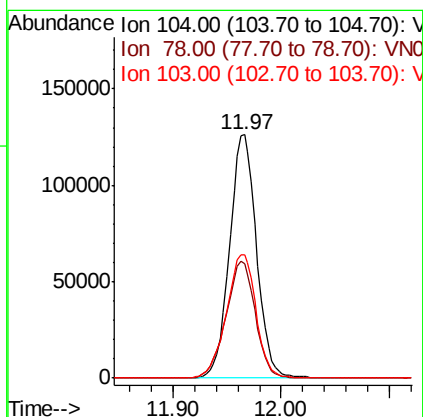
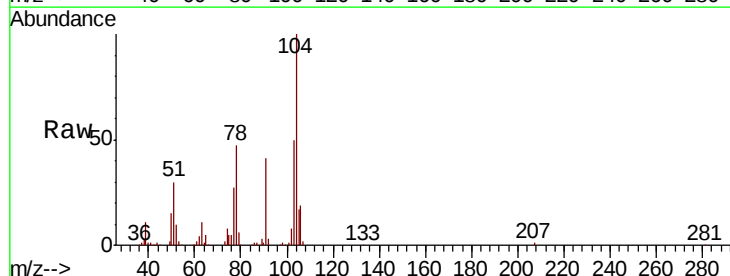
Instrument :
MSVOA_N
ClientSampleId :

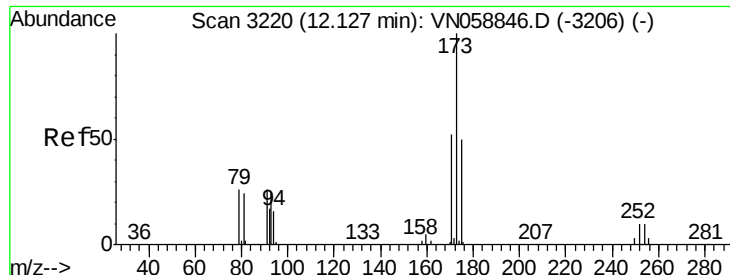
Tot Ion:106 Resp: 134458
Ion Ratio Lower Upper
106 100
91 222.1 111.5 334.4



#70
Styrene
Concen: 19.687 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion:104 Resp: 220726
Ion Ratio Lower Upper
104 100
78 52.2 42.8 64.2
103 55.7 44.3 66.5

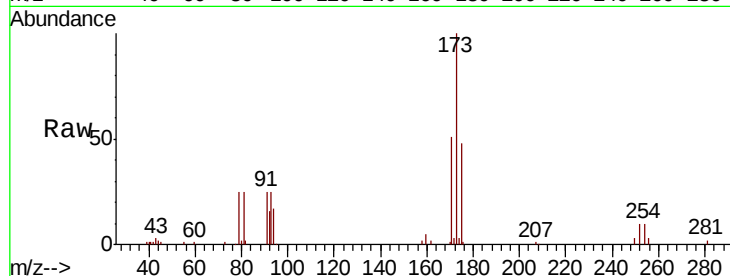




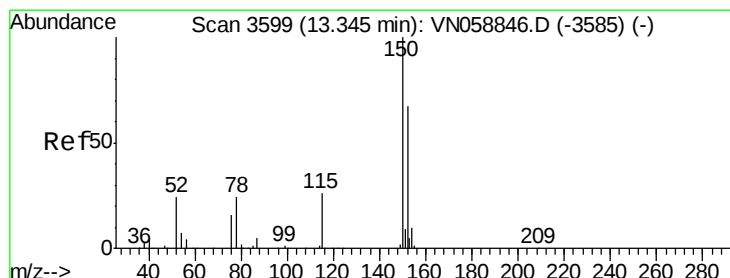
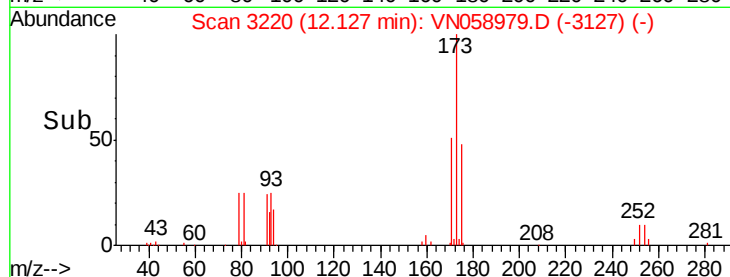
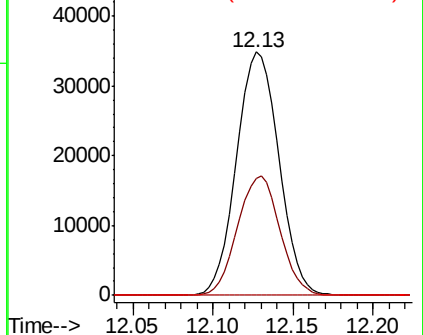
#71
Bromoform
Concen: 20.820 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
173	100		
175	48.8	24.7	74.1
254	0.0	0.0	0.0

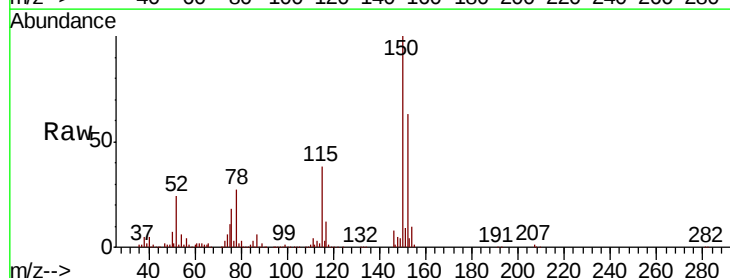


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

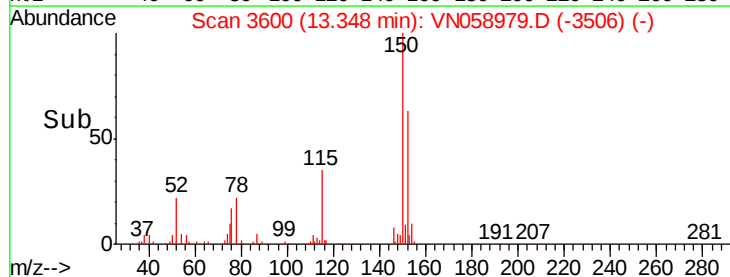
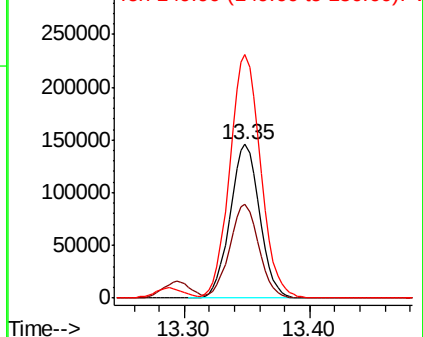


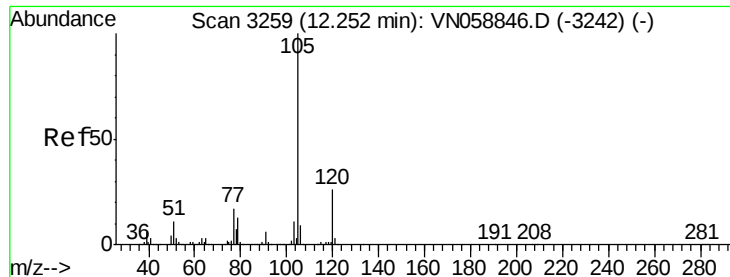
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.5	91.5
150	165.2	0.0	344.4



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

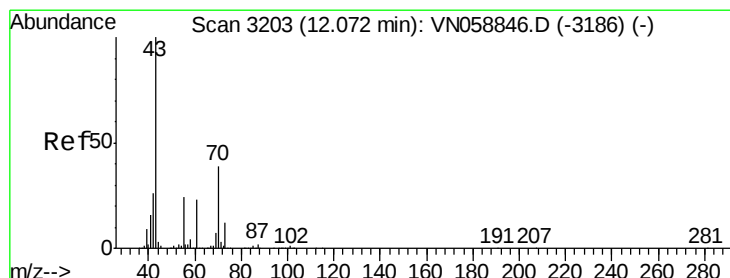
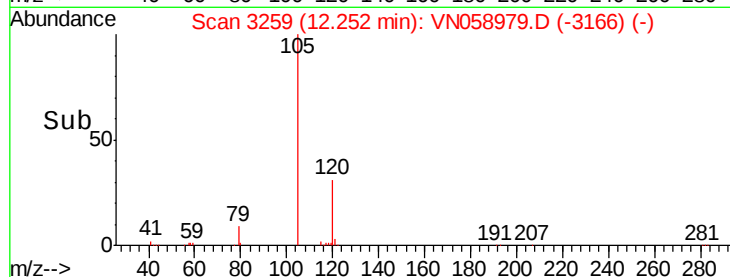
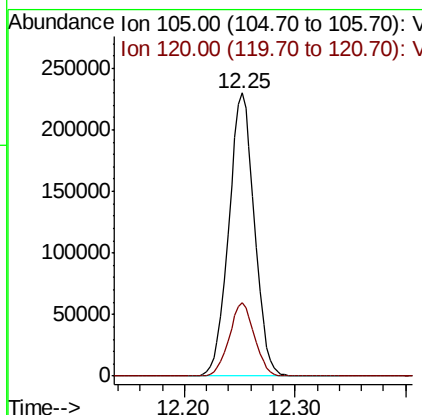
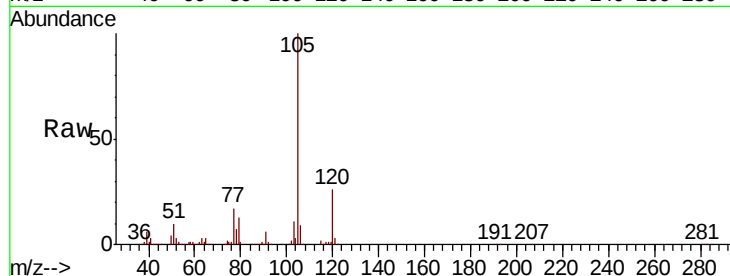




#73
Isopropylbenzene
Concen: 21.191 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

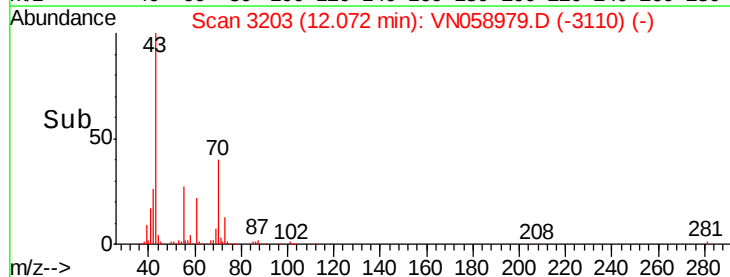
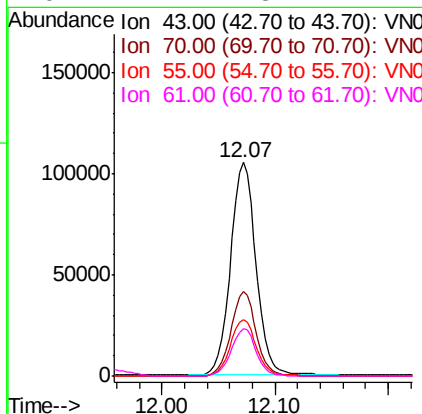
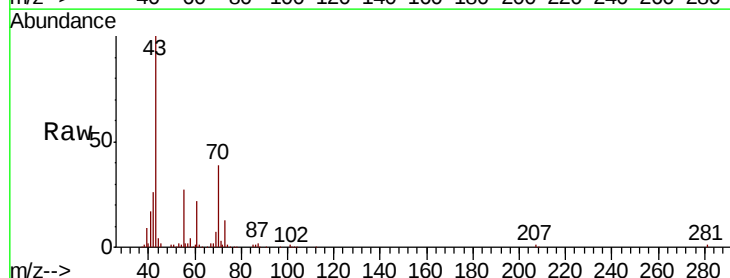
Instrument :
MSVOA_N
ClientSampled :

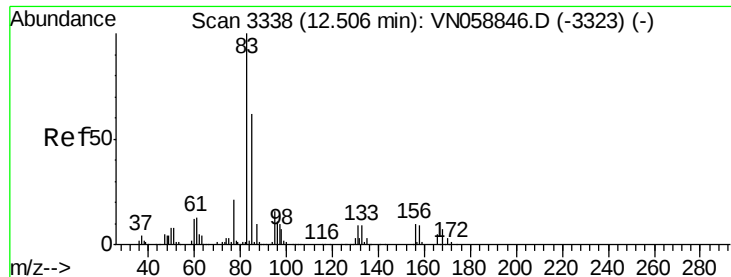
Tot Ion: 105 Resp: 368937
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.4



#74
N-ethyl acetate
Concen: 20.889 ug/l
RT: 12.07 min Scan# 3203
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 43 Resp: 164877
Ion Ratio Lower Upper
43 100
70 39.0 30.9 46.3
55 27.1 19.7 29.5
61 21.7 18.2 27.4





#75

1,1,2,2-Tetrachloroethane

Concen: 21.133 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

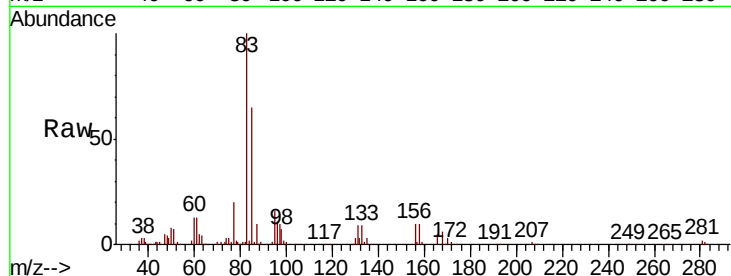
Tot Ion: 83 Resp: 129369

Ion	Ratio	Lower	Upper
83	100		
131	9.8	4.7	14.1
85	64.6	31.7	95.1

83 100

131 9.8 4.7 14.1

85 64.6 31.7 95.1

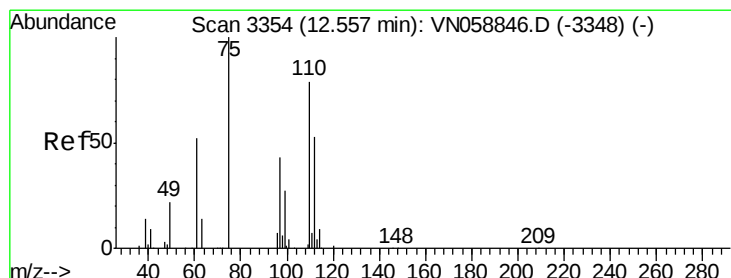
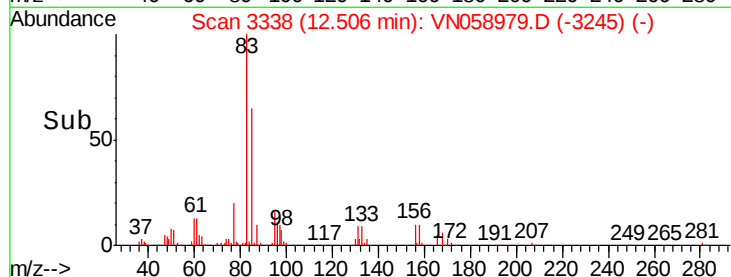
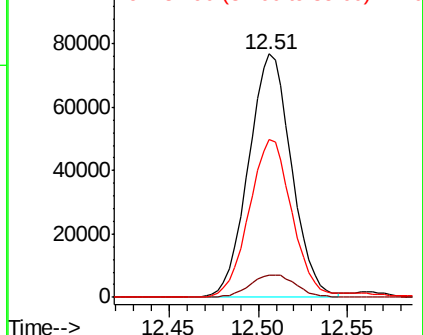


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 30.998 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058979.D

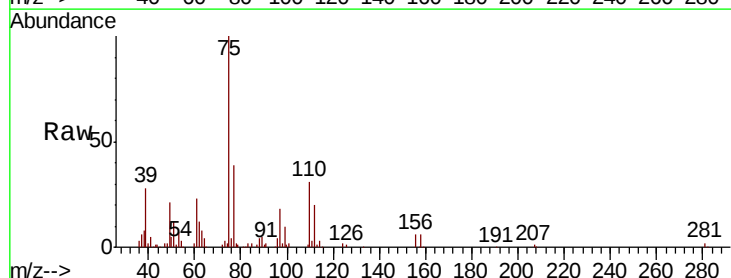
Acq: 25 Oct 2019 12:10

Tgt Ion: 75 Resp: 171145

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

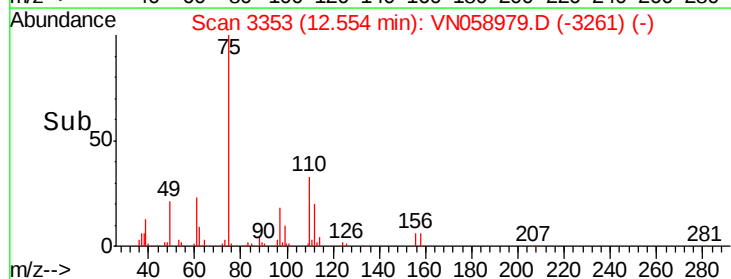
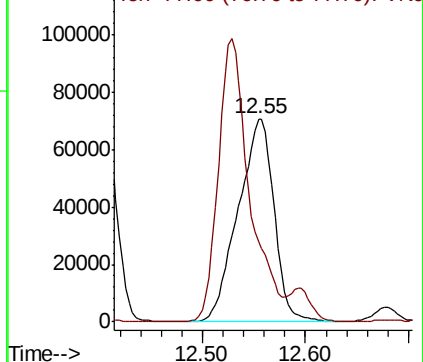
77 0.0 0.0 0.0

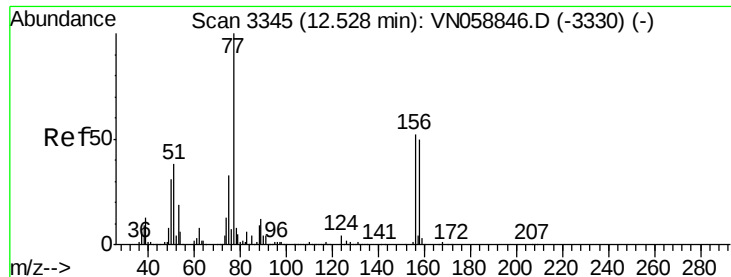


Abundance

Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.143 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

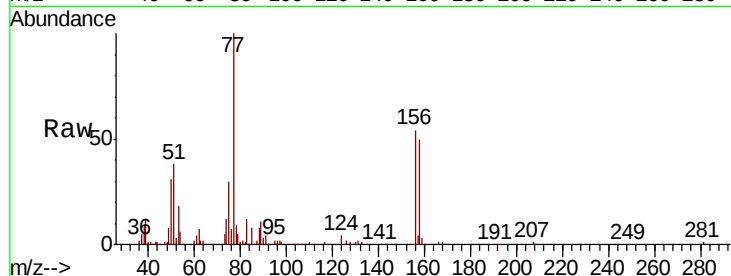
Tot Ion:156 Resp: 90731

Ion Ratio Lower Upper

156 100

77 229.8 118.0 354.0

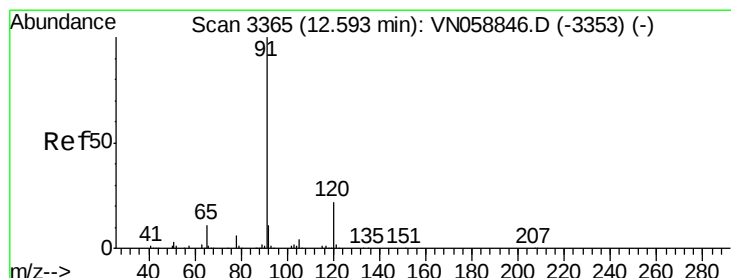
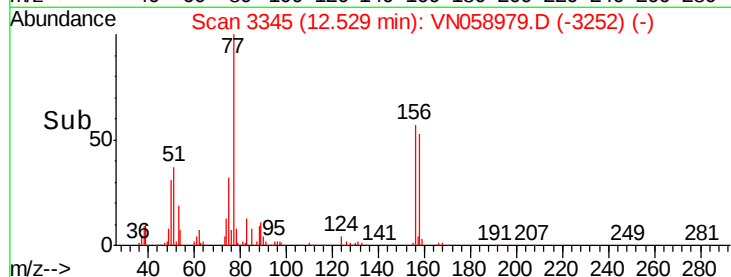
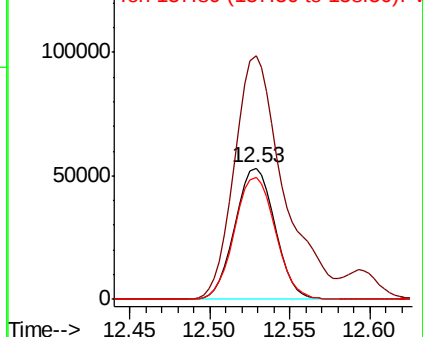
158 95.2 48.3 144.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.252 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN058979.D

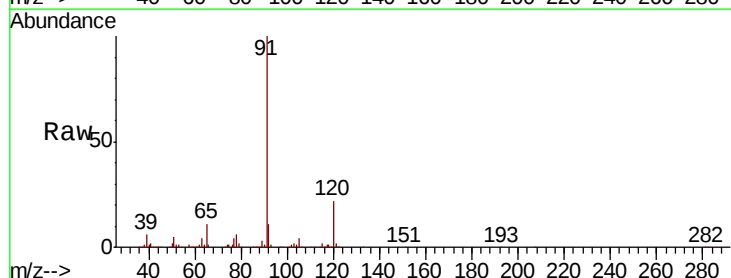
Acq: 25 Oct 2019 12:10

Tgt Ion: 91 Resp: 437340

Ion Ratio Lower Upper

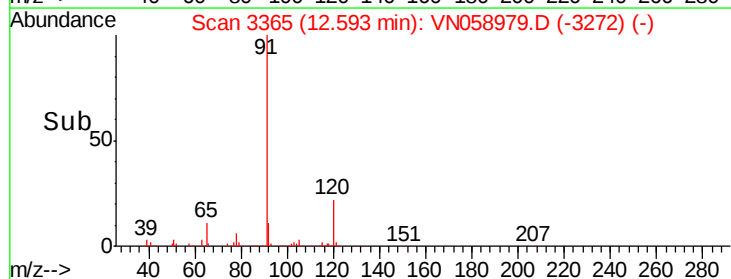
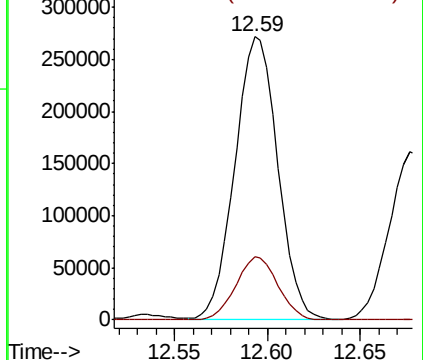
91 100

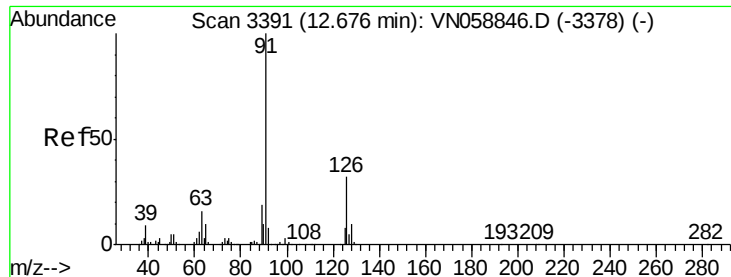
120 21.9 11.1 33.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

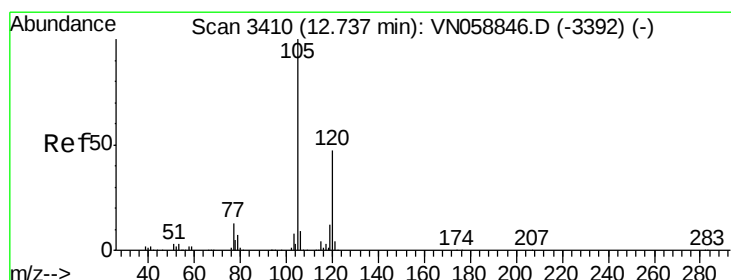
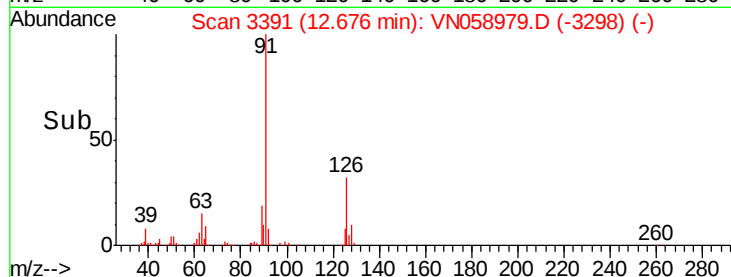
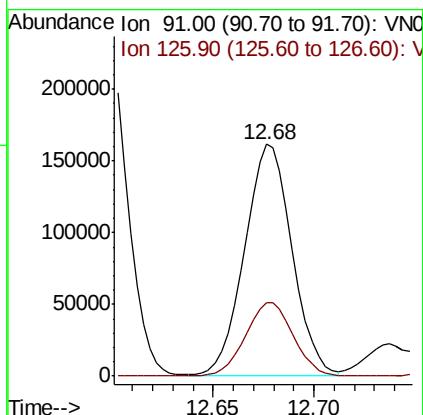
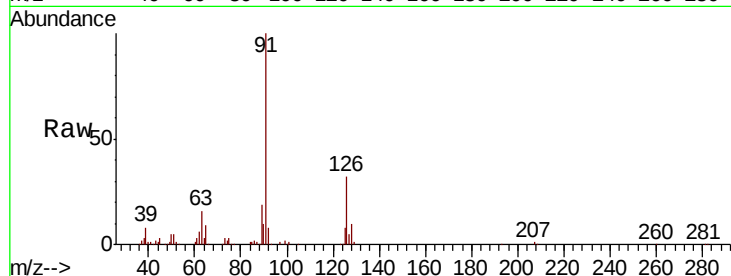




#79
2-Chlorotoluene
Concen: 21.075 ug/l
RT: 12.68 min Scan# 3391
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

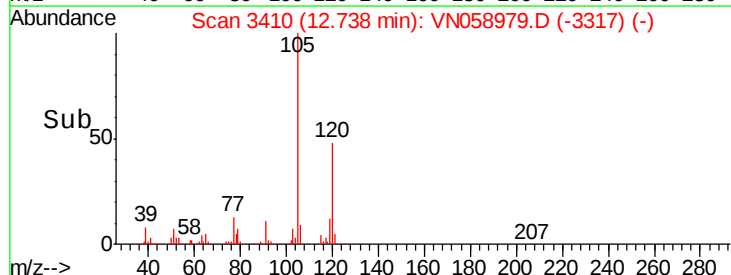
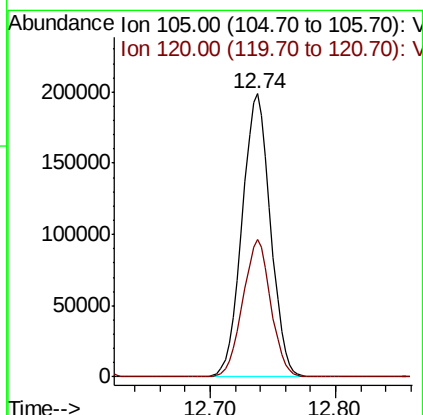
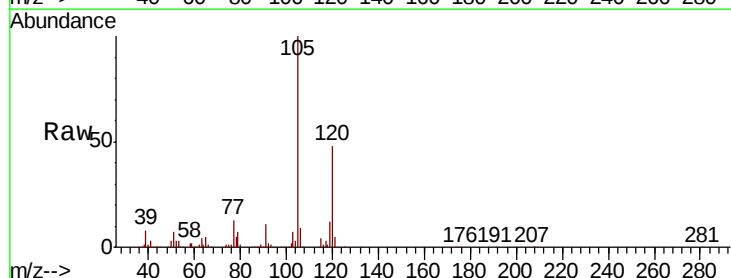
Instrument :
MSVOA_N
ClientSampled :

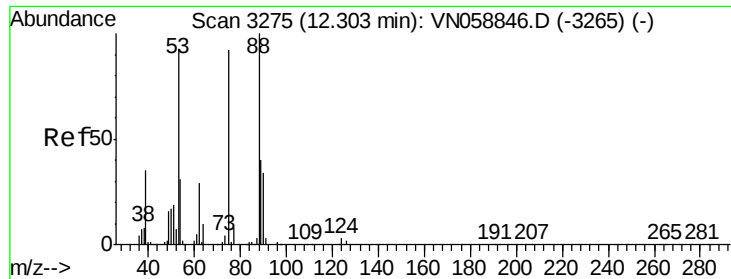
Tot Ion: 91 Resp: 265444
Ion Ratio Lower Upper
91 100
126 31.9 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 21.392 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion: 105 Resp: 312918
Ion Ratio Lower Upper
105 100
120 47.8 23.8 71.5





#81

trans-1,4-Dichloro-2-butene

Concen: 20.330 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampleId :

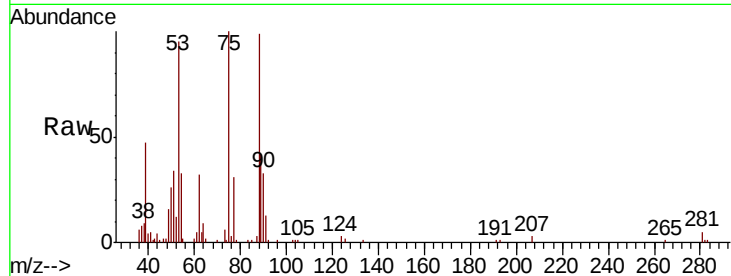
Tot Ion: 75 Resp: 43087

Ion Ratio Lower Upper

75 100

53 96.9 78.6 118.0

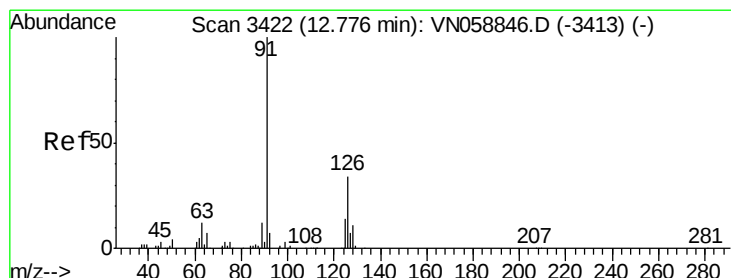
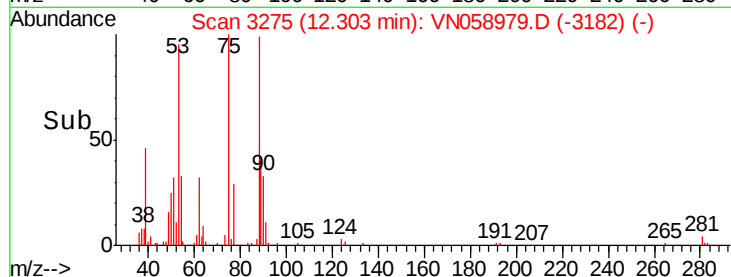
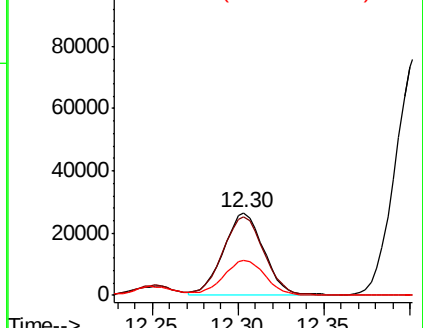
89 43.8 35.4 53.0



Abundance Ion 74.90 (74.60 to 75.60): VN058846.D (-3265) (-)

Ion 53.00 (52.70 to 53.70): VN058846.D (-3265) (-)

Ion 88.90 (88.60 to 89.60): VN058846.D (-3265) (-)



#82

4-Chlorotoluene

Concen: 20.395 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058979.D

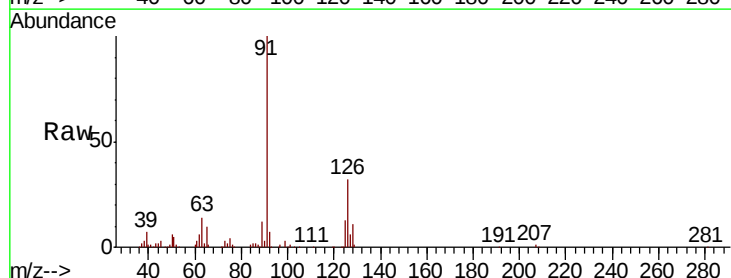
Acq: 25 Oct 2019 12:10

Tgt Ion: 91 Resp: 262509

Ion Ratio Lower Upper

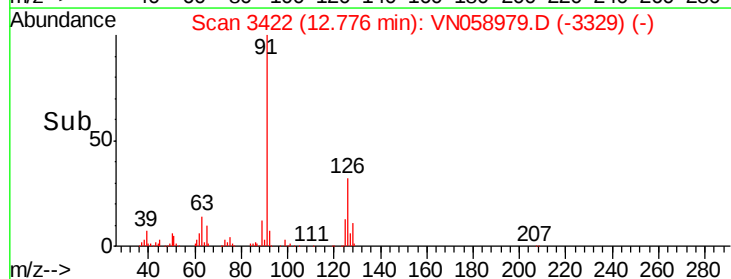
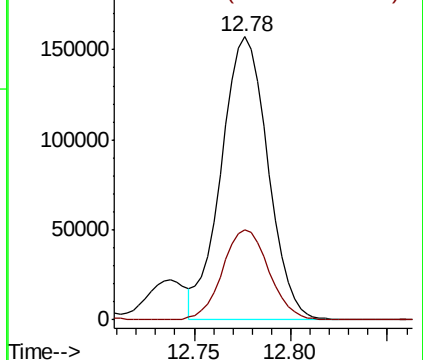
91 100

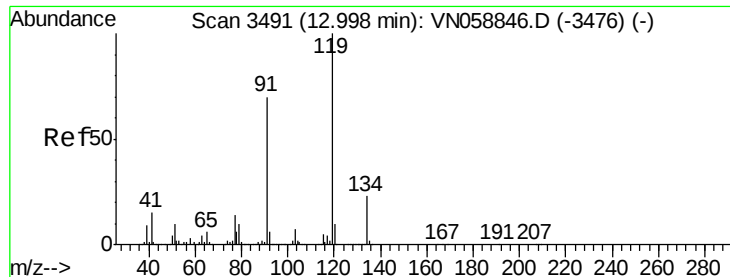
126 31.8 16.0 47.9



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3413) (-)

Ion 125.90 (125.60 to 126.60): VN058846.D (-3413) (-)

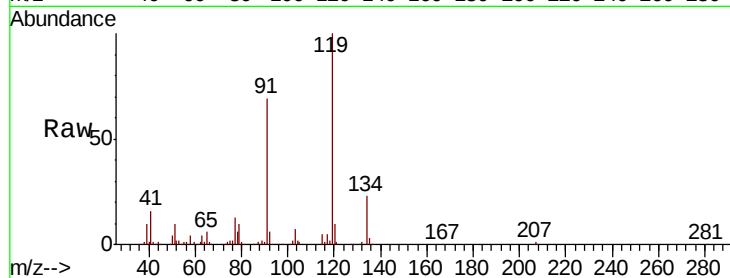




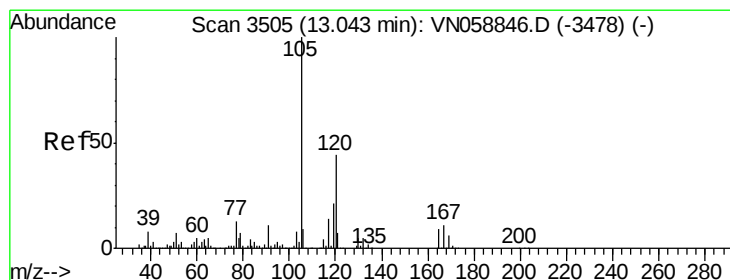
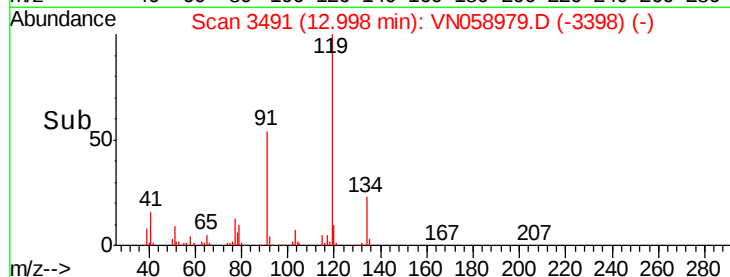
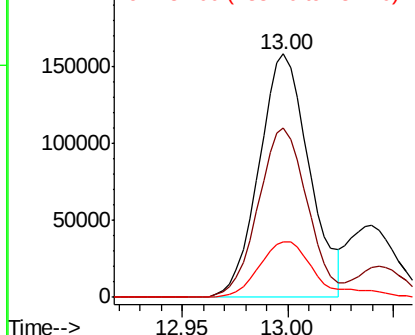
#83
tert-Butylbenzene
Concen: 20.942 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion	Ratio	Lower	Upper
119	100		
91	68.7	34.1	102.3
134	26.0	11.6	34.8

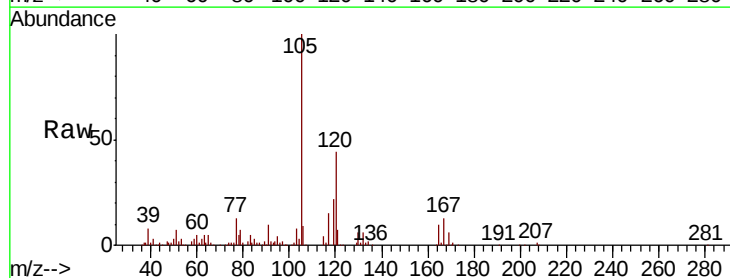


Abundance Ion 119.00 (118.70 to 119.70): V
Ion 91.00 (90.70 to 91.70): V
Ion 134.00 (133.70 to 134.70): V

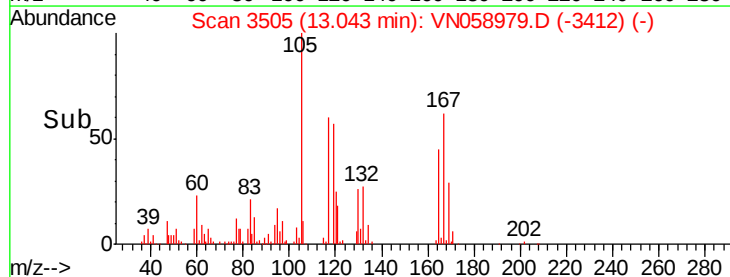
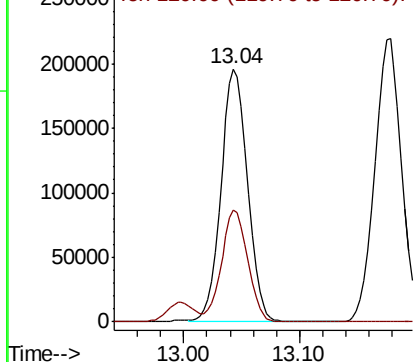


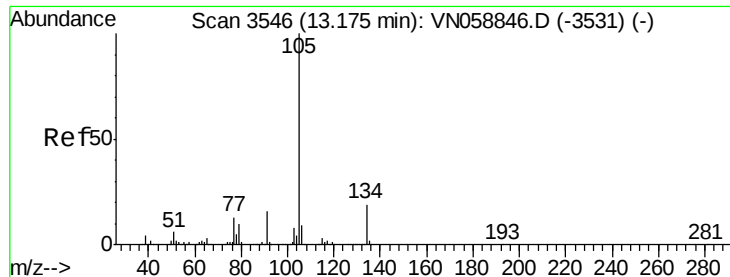
#84
1,2,4-Trimethylbenzene
Concen: 21.505 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. 0.00 min
Lab File: VN058979.D
Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	21.9	65.8



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





#85

sec-Butylbenzene

Concen: 21.126 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

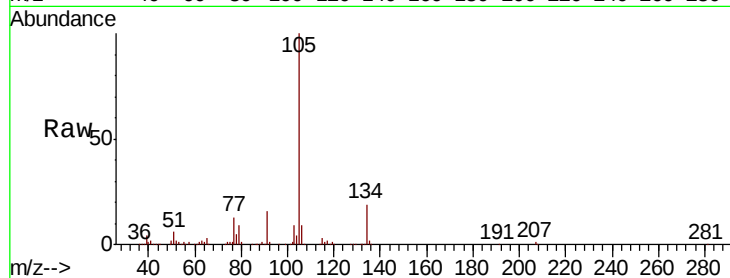
ClientSampleId :

Tot Ion:105 Resp: 352313

Ion Ratio Lower Upper

105 100

134 19.1 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.18

200000

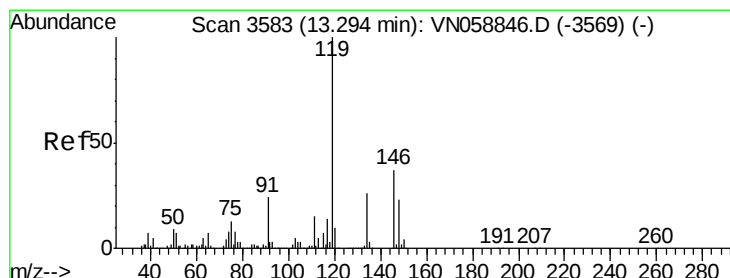
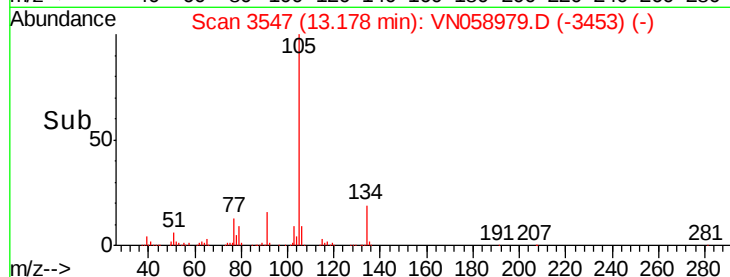
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.216 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

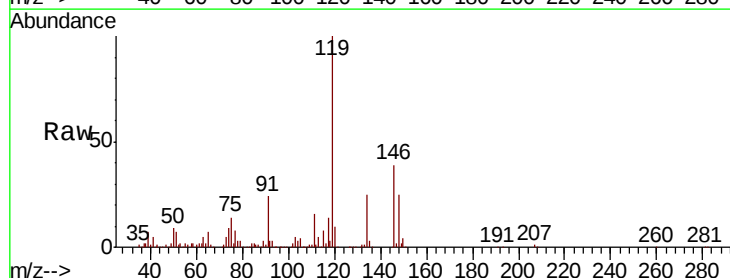
Tgt Ion:119 Resp: 312185

Ion Ratio Lower Upper

119 100

134 25.5 12.8 38.4

91 24.2 12.2 36.4



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

13.29

200000

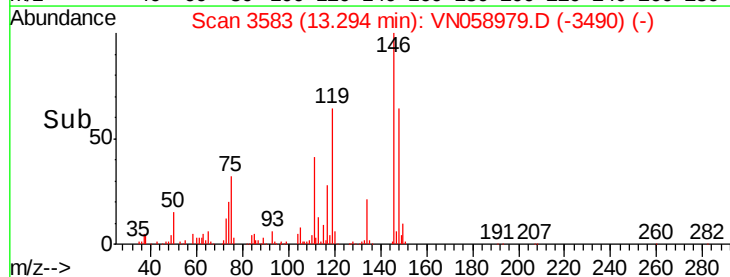
150000

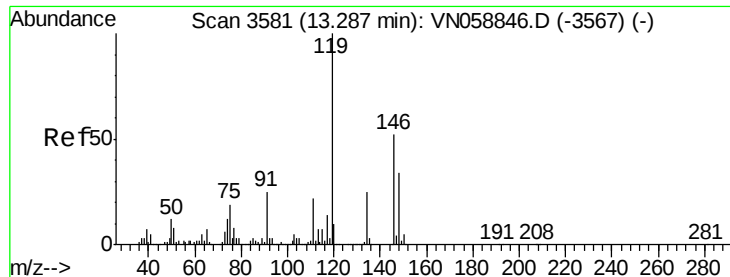
100000

50000

0

Time--> 13.20 13.30





#87

1,3-Dichlorobenzene

Concen: 20.596 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

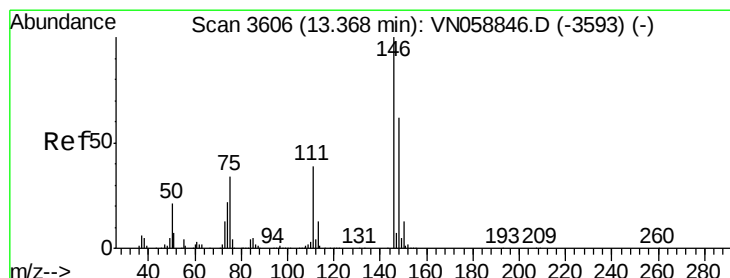
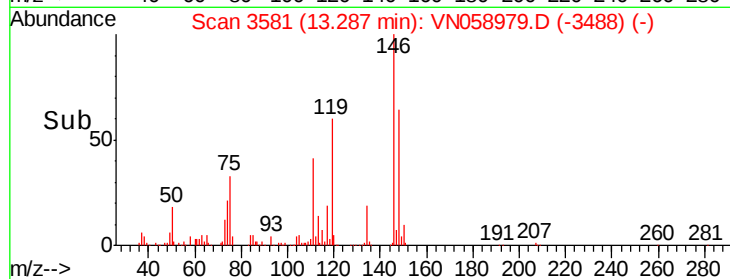
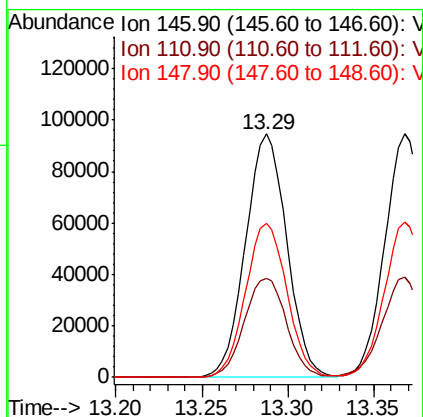
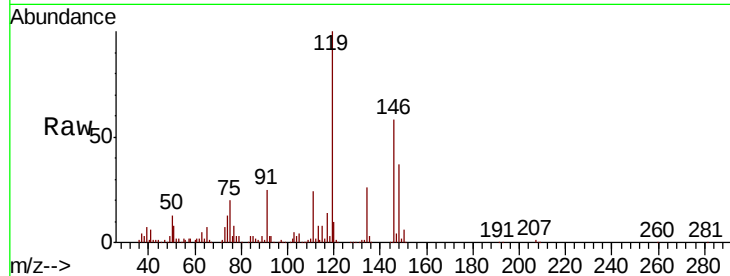
Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:146 Resp: 158037

Ion	Ratio	Lower	Upper
146	100		
111	41.5	21.0	63.0
148	63.4	32.1	96.3



#88

1,4-Dichlorobenzene

Concen: 20.331 ug/l

RT: 13.37 min Scan# 3606

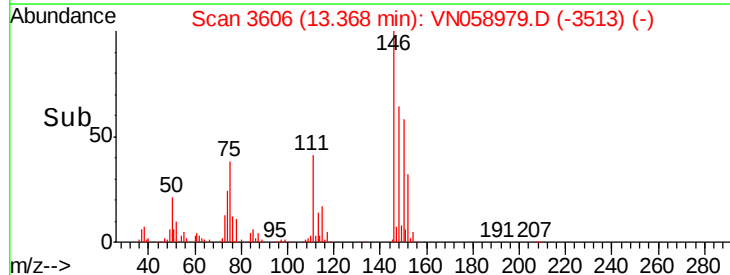
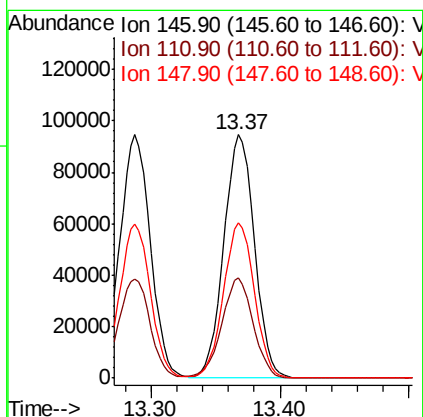
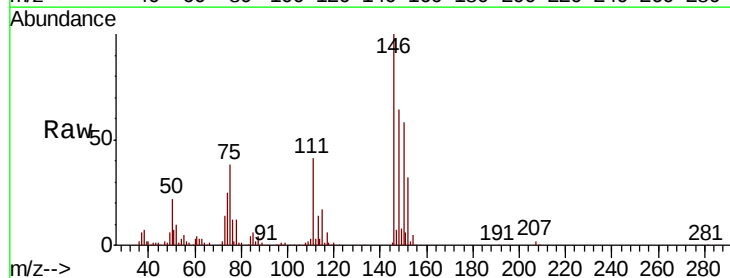
Delta R.T. 0.00 min

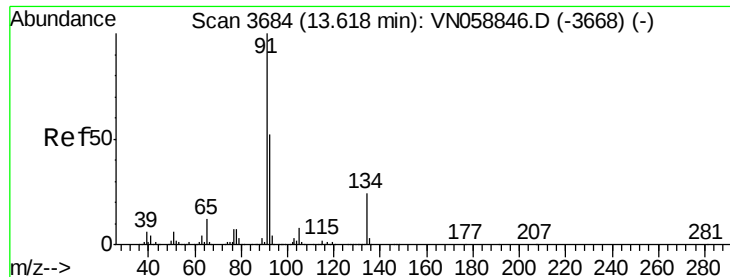
Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:146 Resp: 156187

Ion	Ratio	Lower	Upper
146	100		
111	42.2	20.2	60.6
148	64.4	31.6	94.7





#89

n-Butylbenzene

Concen: 19.740 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Instrument :

MSVOA_N

ClientSampled :

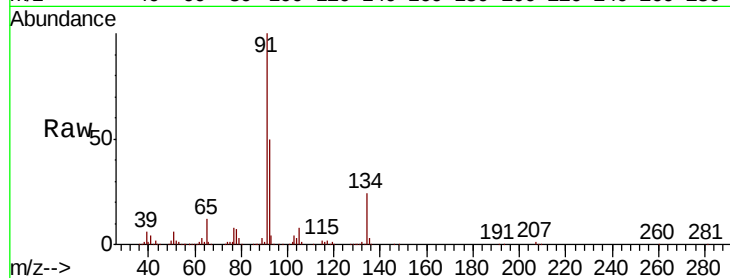
Tot Ion: 91 Resp: 266835

Ion Ratio Lower Upper

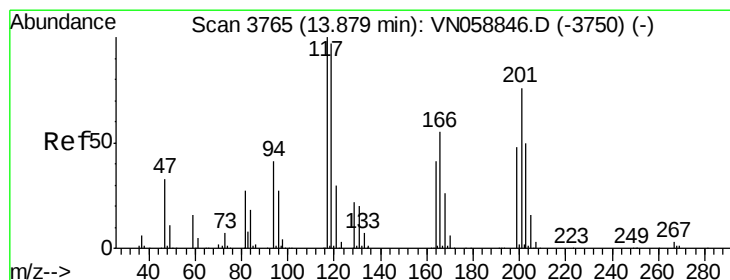
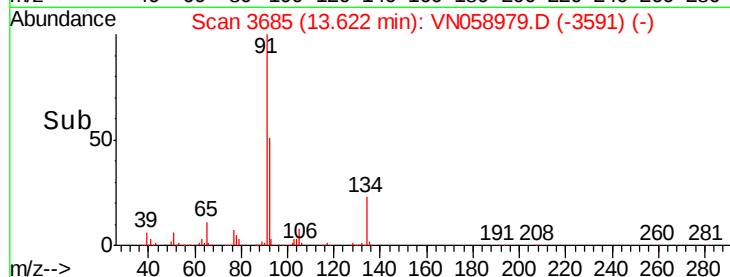
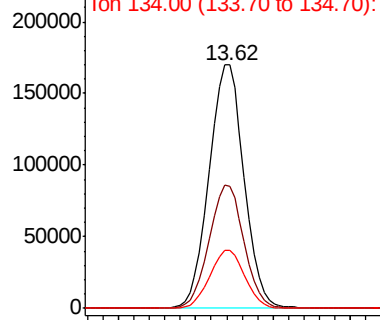
91 100

92 50.5 25.7 77.1

134 24.0 11.9 35.5



Abundance Ion 91.00 (90.70 to 91.70): VN058846.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.202 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. 0.00 min

Lab File: VN058979.D

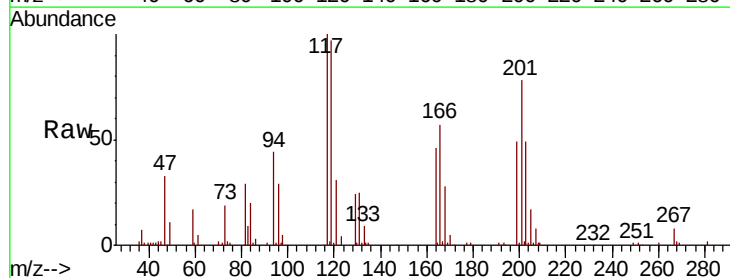
Acq: 25 Oct 2019 12:10

Tgt Ion: 117 Resp: 60236

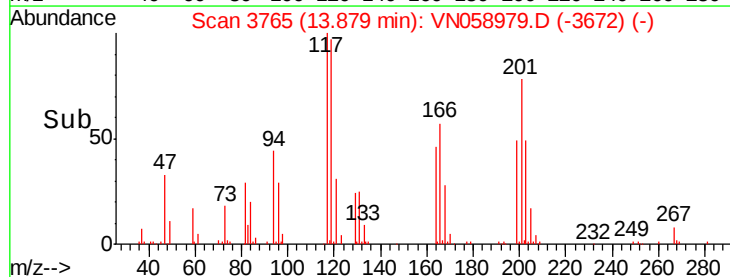
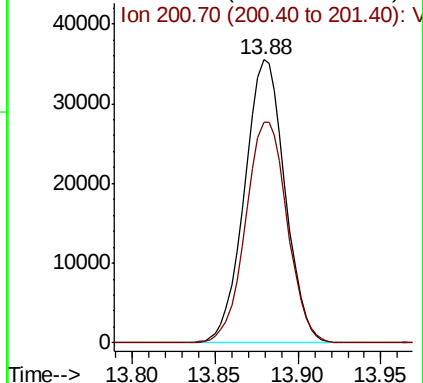
Ion Ratio Lower Upper

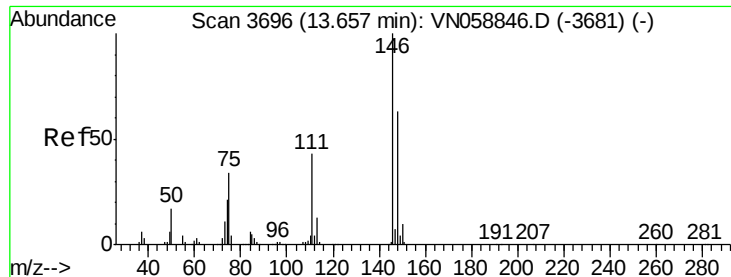
117 100

201 80.2 38.9 116.6



Abundance Ion 116.80 (116.50 to 117.50): VN058846.D (-3750) (-)

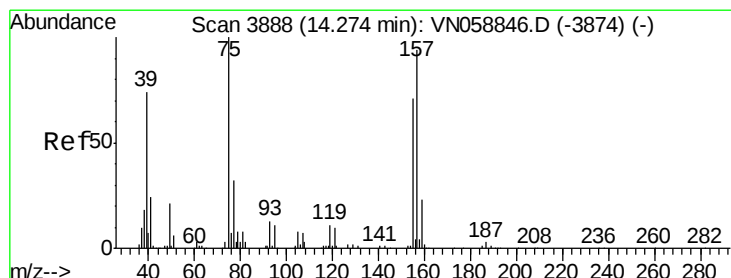
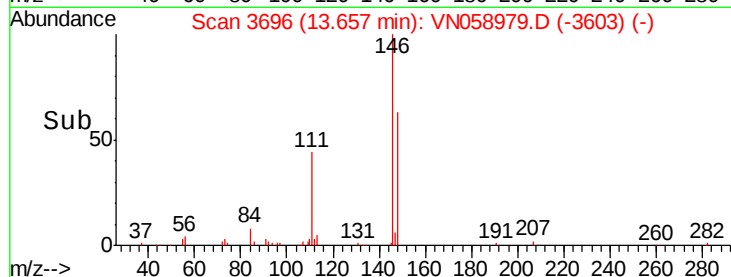
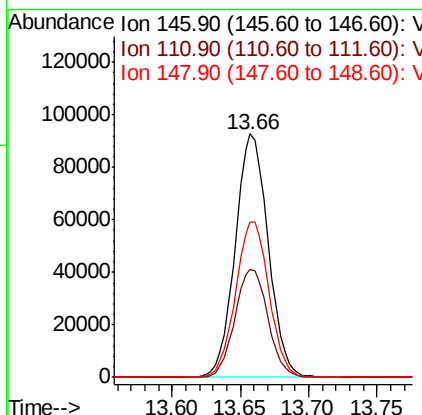
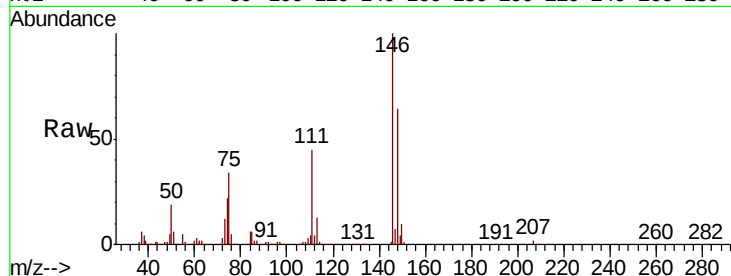




#91
 1,2-Dichlorobenzene
 Concen: 20.601 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

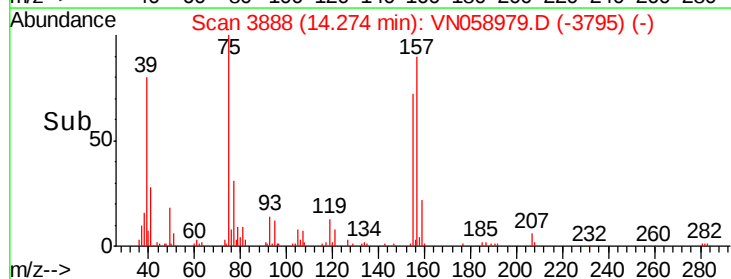
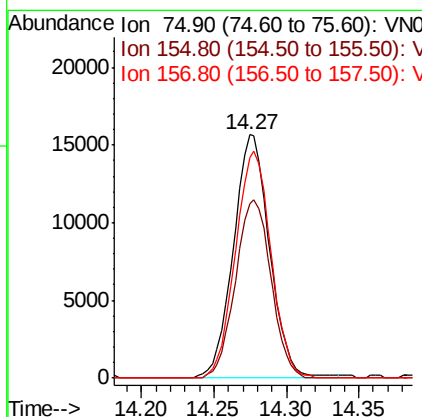
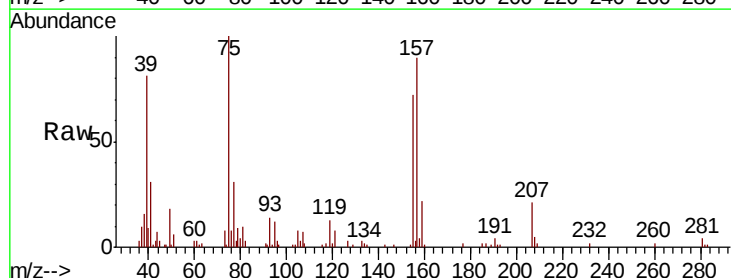
Instrument :
 MSVOA_N
 ClientSampleId :

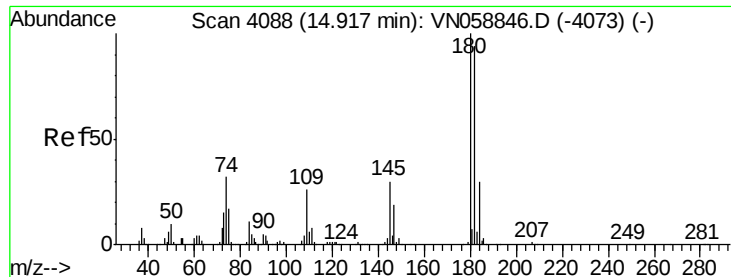
Tot Ion	Ratio	Lower	Upper
146	100		
111	44.4	21.6	64.8
148	65.0	31.9	95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.653 ug/l
 RT: 14.27 min Scan# 3888
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion	Ratio	Lower	Upper
75	100		
155	71.8	35.6	106.8
157	91.2	47.4	142.2

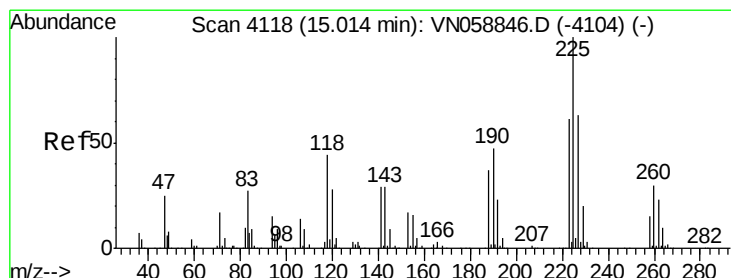
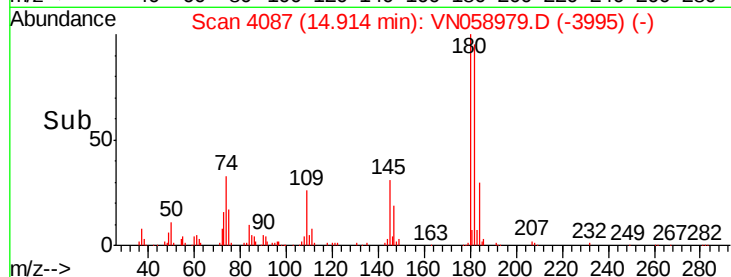
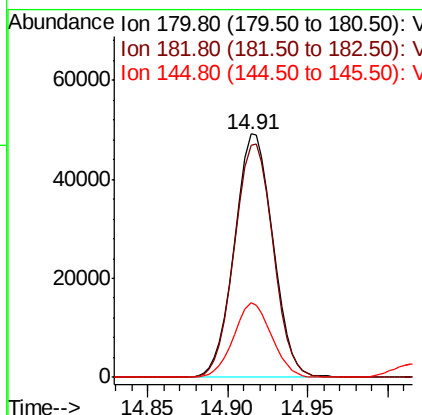
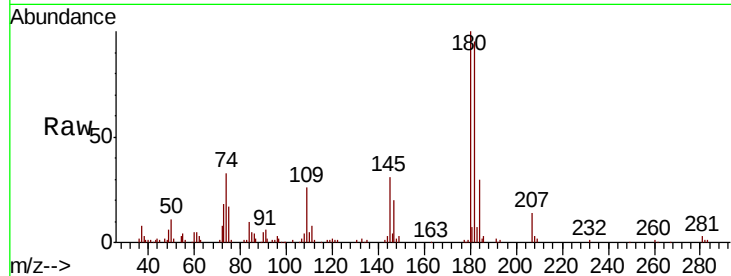




#93
 1,2,4-Trichlorobenzene
 Concen: 18.650 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

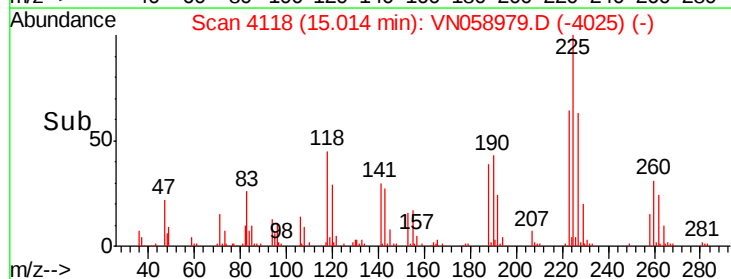
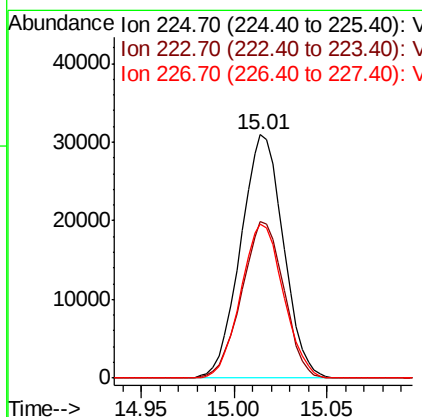
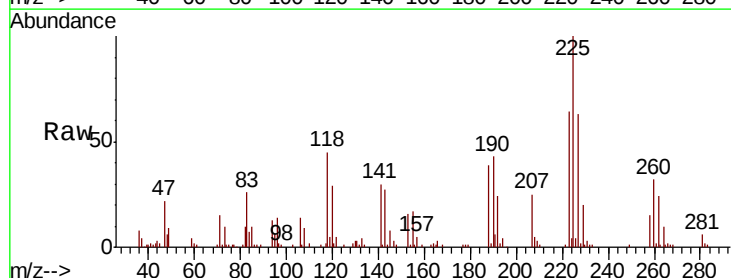
Instrument :
 MSVOA_N
 ClientSampled :

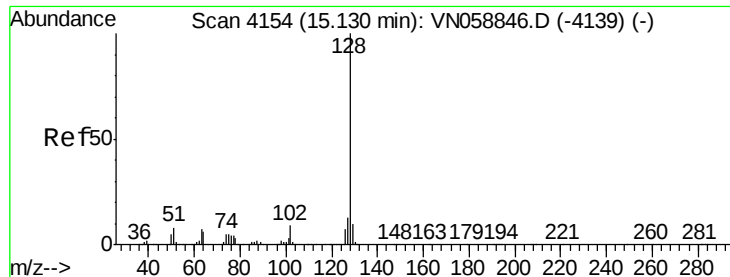
Tot Ion:180 Resp: 80643
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.3 142.0
 145 30.2 15.3 45.8



#94
 Hexachlorobutadiene
 Concen: 20.224 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. 0.00 min
 Lab File: VN058979.D
 Acq: 25 Oct 2019 12:10

Tgt Ion:225 Resp: 49436
 Ion Ratio Lower Upper
 225 100
 223 63.2 30.9 92.5
 227 63.1 31.6 94.7





#95

Naphthalene

Concen: 17.824 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

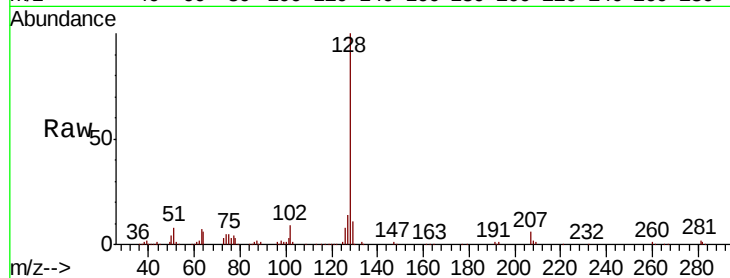
Instrument :

MSVOA_N

ClientSampled :

Tot Ion:128 Resp: 222760

Ion	Ratio	Lower	Upper
128	100		
127	12.7	10.2	15.2
129	10.8	8.4	12.6

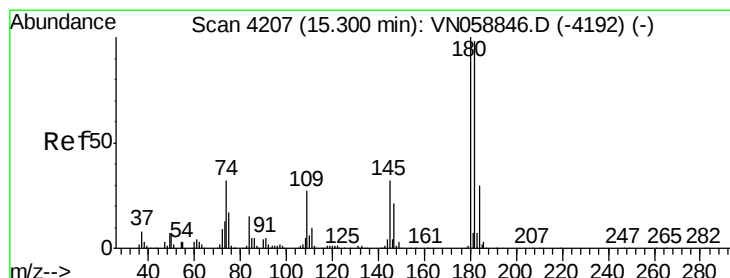
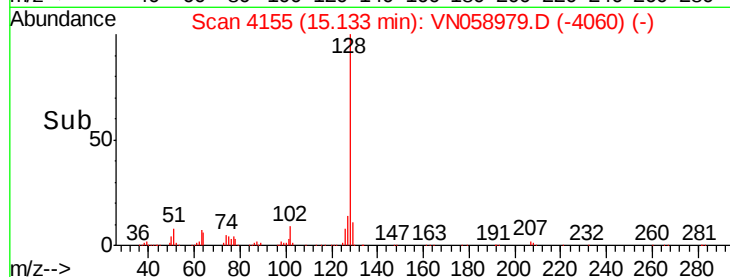
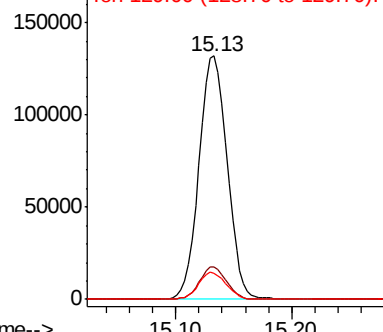


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 19.701 ug/l

RT: 15.30 min Scan# 4207

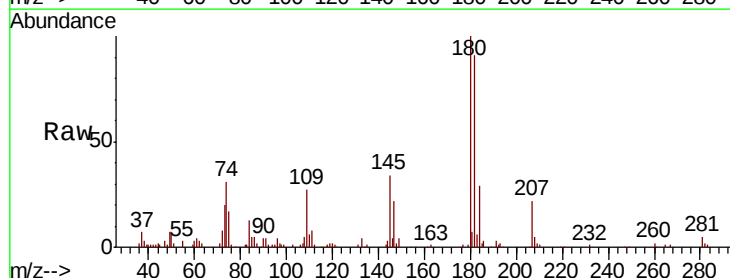
Delta R.T. 0.00 min

Lab File: VN058979.D

Acq: 25 Oct 2019 12:10

Tgt Ion:180 Resp: 84013

Ion	Ratio	Lower	Upper
180	100		
182	93.4	47.9	143.7
145	32.2	15.9	47.7



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

