

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN102319\
 Data File : VN058913.D
 Acq On : 22 Oct 2019 16:52
 Operator : JC/SP
 Sample : VSTDCCC020
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 01:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Bromochloromethane	7.18	128	58128	30.00	ug/l	0.00
28) 1,4-Difluorobenzene	8.57	114	313178	30.00	ug/l	0.00
57) Chlorobenzene-d5	11.41	117	290792	30.00	ug/l	0.00

System Monitoring Compounds

27) 1,2-Dichloroethane-d4	8.01	65	152217	30.85	ug/l	0.00
Spiked Amount	30.000	Range	50 - 169	Recovery	=	102.83%
60) 4-Bromofluorobenzene	12.40	95	146770	28.85	ug/l	0.00
Spiked Amount	30.000	Range	56 - 143	Recovery	=	96.17%
63) Toluene-d8	10.09	98	419256	30.54	ug/l	0.00
Spiked Amount	30.000	Range	66 - 137	Recovery	=	101.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.84	85	65388	20.762	ug/l 95
3) Chloromethane	2.04	50	89547	21.285	ug/l 98
4) Vinyl Chloride	2.17	62	93475	21.498	ug/l 98
5) Bromomethane	2.55	94	58820	21.911	ug/l 97
6) Chloroethane	2.69	64	60240	22.041	ug/l 100
7) Trichlorofluoromethane	3.00	101	117228	21.905	ug/l 98
8) Diethyl Ether	3.39	74	41583	20.372	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	64202	20.733	ug/l 99
10) 1,1-Dichloroethene	3.72	96	61895	20.351	ug/l 97
11) Methyl Iodide	3.93	142	85459	20.176	ug/l 96
12) Methyl Acetate	4.30	43	99317	20.410	ug/l 99
13) Acrolein	3.58	56	56608	105.288	ug/l 96
14) Acrylonitrile	4.96	53	196443	102.457	ug/l 99
15) Acetone	3.80	58	62599	109.990	ug/l 92
16) Carbon Disulfide	4.03	76	180151	20.308	ug/l 99
17) Allyl chloride	4.30	41	123998	20.484	ug/l 99
18) Methylene Chloride	4.53	84	75735	20.564	ug/l 97
19) trans-1,2-Dichloroethene	5.01	96	68681	20.743	ug/l 89
20) Diisopropyl ether	5.93	45	261522	21.204	ug/l 98
21) 1,1-Dichloroethane	5.82	63	146442	21.442	ug/l 100
22) cis-1,2-Dichloroethene	6.81	96	79620	20.169	ug/l 96
23) tert-Butyl Alcohol	4.76	59	68422	87.247	ug/l # 100
24) Methyl tert-Butyl Ether	5.02	73	226636	19.975	ug/l 99
25) Chloroform	7.36	83	141378	20.756	ug/l 95
26) Cyclohexane	7.63	56	118399	19.751	ug/l # 97
29) 1,1-Dichloropropene	7.78	75	103363	20.967	ug/l 99
30) 2-Butanone	6.82	43	282688	101.472	ug/l 99
31) 2,2-Dichloropropane	6.81	77	128234	22.069	ug/l 96
32) 1,1,1-Trichloroethane	7.55	97	122617	21.505	ug/l 99
33) Carbon Tetrachloride	7.75	117	104750	21.224	ug/l 99
34) Benzene	8.02	78	307860	21.212	ug/l 97
35) Methacrylonitrile	7.15	41	42732	17.364	ug/l 84
36) 1,2-Dichloroethane	8.11	62	120930	21.793	ug/l 99
37) Trichloroethene	8.82	130	74046	20.767	ug/l 99
38) Methylcyclohexane	9.07	83	109755	19.202	ug/l 96
39) 1,2-Dichloropropane	9.11	63	86516	21.812	ug/l 97
40) Dibromomethane	9.20	93	53375	21.317	ug/l 100

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Quant Time: Oct 23 01:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Bromodichloromethane	9.39	83	110066	21.517	ug/l	99
42) Vinyl Acetate	5.87	43	1069873	109.655	ug/l	100
43) Ethyl Acetate	6.91	43	108567	19.855	ug/l	96
44) Isopropyl Acetate	8.15	43	178044	20.102	ug/l	90
45) 1,4-Dioxane	9.19	88	25505	375.015	ug/l	98
46) Methyl methacrylate	9.19	41	80055	19.688	ug/l	95
47) n-amyl Acetate	12.07	43	143610	18.291	ug/l	96
48) t-1,3-Dichloropropene	10.38	75	121299	20.447	ug/l	98
49) cis-1,3-Dichloropropene	9.83	75	132042	21.196	ug/l	97
50) 1,1,2-Trichloroethane	10.56	97	75541	21.133	ug/l	96
51) Ethyl methacrylate	10.43	69	109822	19.214	ug/l	98
52) 1,3-Dichloropropane	10.71	76	134213	21.084	ug/l	100
53) Dibromochloromethane	10.90	129	80906	21.091	ug/l	98
54) 1,2-Dibromoethane	11.00	107	77368	20.882	ug/l	98
55) 2-Chloroethyl vinyl ether	9.69	63	262706	92.401	ug/l	100
56) Bromoform	12.13	173	55869	20.907	ug/l	98
58) 4-Methyl-2-Pentanone	9.98	43	558789	105.336	ug/l	98
59) 2-Hexanone	10.75	43	412750	99.247	ug/l	99
61) Tetrachloroethene	10.63	164	65332	20.791	ug/l	94
62) Toluene	10.15	91	328292	20.988	ug/l	100
64) Chlorobenzene	11.43	112	196118	20.508	ug/l	97
65) 1,1,1,2-Tetrachloroethane	11.51	131	73258	20.430	ug/l	100
66) Ethyl Benzene	11.51	91	348993	20.149	ug/l	100
67) m/p-Xylenes	11.62	106	256835	39.691	ug/l	98
68) o-Xylene	11.95	106	123946	19.758	ug/l	100
69) Styrene	11.97	104	197810	19.087	ug/l	99
70) Isopropylbenzene	12.25	105	333776	19.708	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.51	83	115059	20.180	ug/l	98
72) 1,2,3-Trichloropropane	12.56	75	151645	29.352	ug/l	62
73) Bromobenzene	12.53	156	81183	19.735	ug/l	97
74) n-propylbenzene	12.59	91	401233	20.240	ug/l	100
75) 2-Chlorotoluene	12.68	91	238385	19.986	ug/l	100
76) 1,3,5-Trimethylbenzene	12.74	105	287616	19.828	ug/l	99
77) t-1,4-Dichloro-2-butene	12.30	75	37187	18.894	ug/l	96
78) 4-Chlorotoluene	12.78	91	244050	19.853	ug/l	99
79) tert-butylbenzene	13.00	119	242423	19.561	ug/l	99
80) 1,2,4-Trimethylbenzene	13.04	105	285238	19.789	ug/l	99
81) sec-Butylbenzene	13.17	105	328099	19.672	ug/l	100
82) p-Isopropyltoluene	13.29	119	286650	19.139	ug/l	100
83) 1,3-Dichlorobenzene	13.29	146	144694	19.438	ug/l	100
84) 1,4-Dichlorobenzene	13.37	146	137866	18.542	ug/l	98
85) n-Butylbenzene	13.62	91	248098	18.094	ug/l	100
86) Hexachloroethane	13.88	117	54527	20.005	ug/l	100
87) 1,2-Dichlorobenzene	13.66	146	145338	19.777	ug/l	99
88) 1,2-Dibromo-3-Chloropropan	14.28	75	23876	18.814	ug/l	99
89) 1,2,4-Trichlorobenzene	14.92	180	76458	16.477	ug/l	97
90) Hexachlorobutadiene	15.01	225	45395	18.945	ug/l	99
91) Naphthalene	15.13	128	220668	16.107	ug/l	99
92) 1,2,3-Trichlorobenzene	15.30	180	80369	17.793	ug/l	98

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Instrument :
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Quant Time: Oct 23 01:23:27 2019
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Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Oct 11 04:26:47 2019
Response via : Initial Calibration

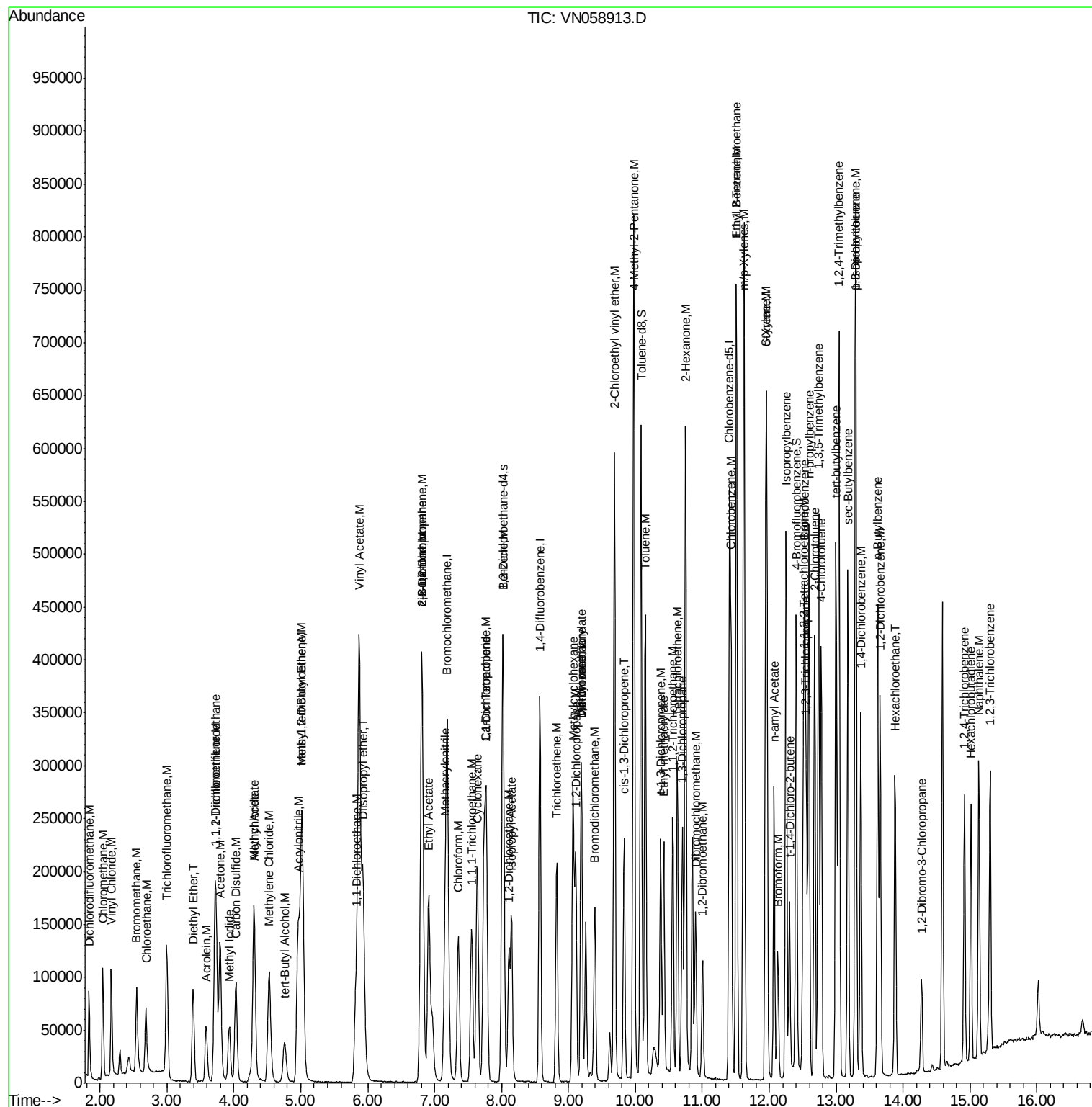
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
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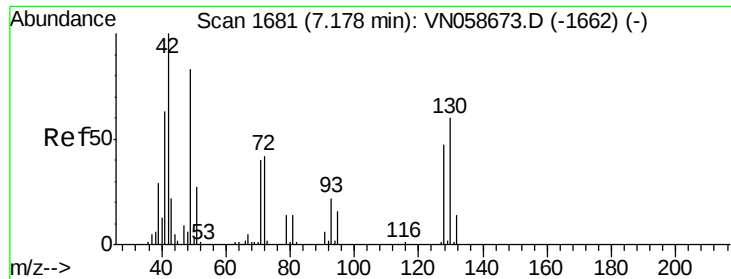
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 23 01:23:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA N\METHODS\624N101119W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Oct 11 04:26:47 2019
 Response via : Initial Calibration





#1

Bromochloromethane

Concen: 30.000 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :

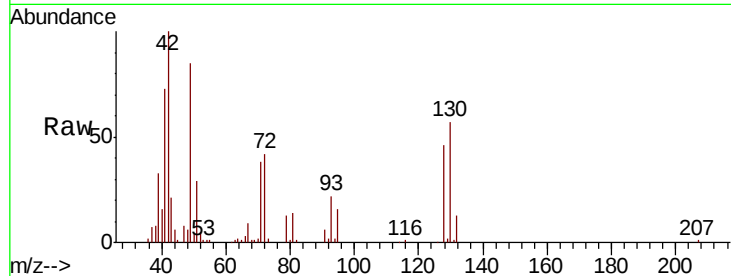
Tot Ion:128 Resp: 58128

Ion Ratio Lower Upper

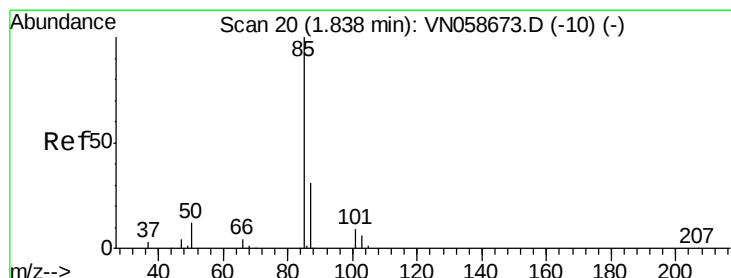
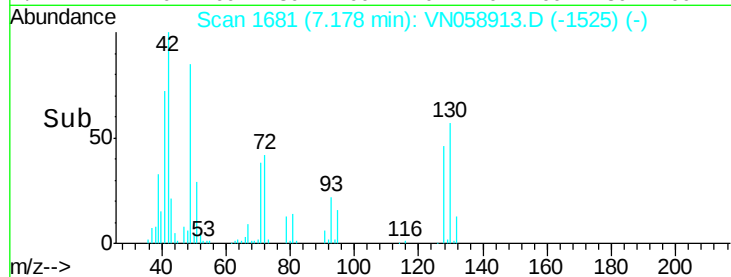
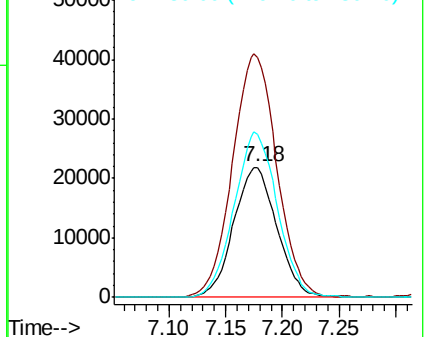
128 100

49 191.6 0.0 453.5

130 126.9 0.0 314.2



Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VNO
Ion 130.00 (129.70 to 130.70): V



#2

Dichlorodifluoromethane

Concen: 20.762 ug/l

RT: 1.84 min Scan# 20

Delta R.T. 0.00 min

Lab File: VN058913.D

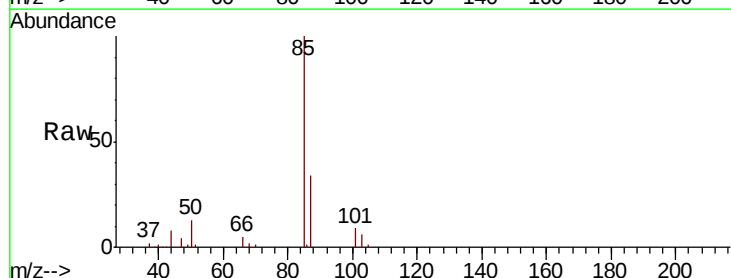
Acq: 22 Oct 2019 16:52

Tgt Ion: 85 Resp: 65388

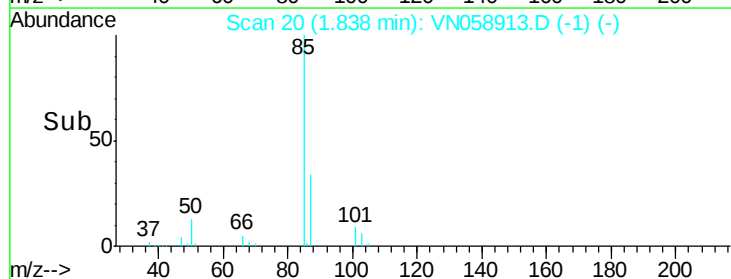
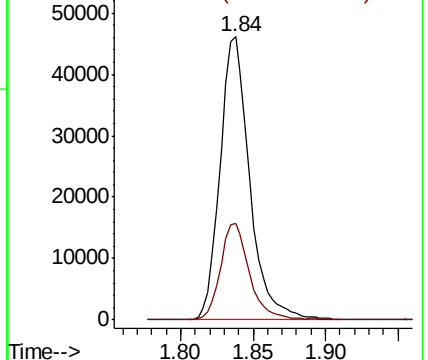
Ion Ratio Lower Upper

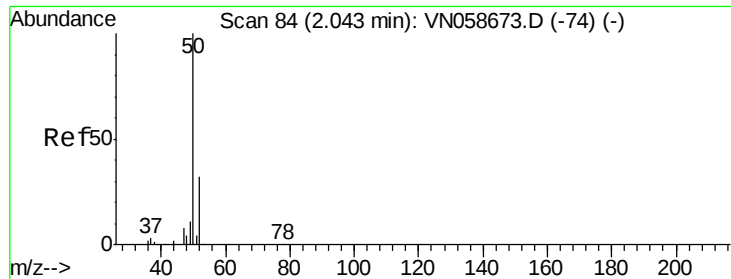
85 100

87 34.1 15.7 47.0



Abundance Ion 85.00 (84.70 to 85.70): VNO
Ion 87.00 (86.70 to 87.70): VNO





#3

Chloromethane

Concen: 21.285 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

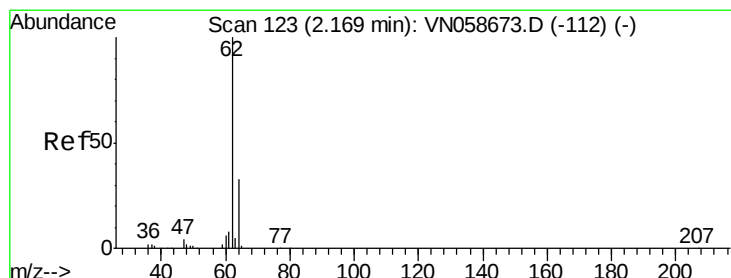
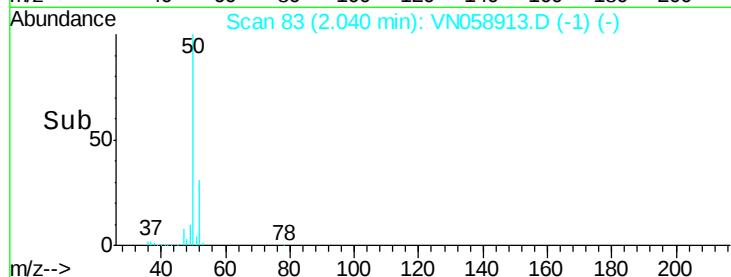
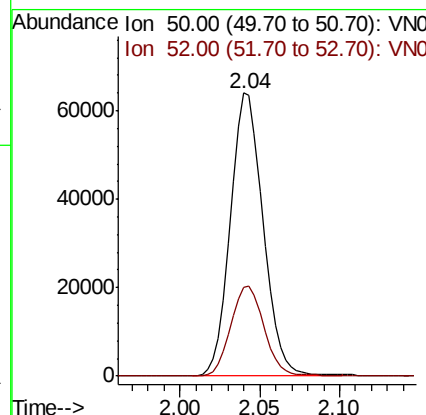
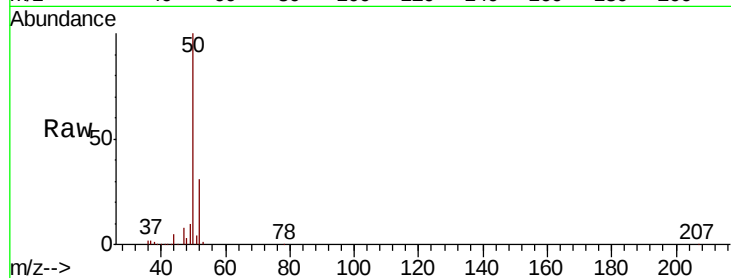
ClientSampleId :

Tot Ion: 50 Resp: 89547

Ion Ratio Lower Upper

50 100

52 31.3 25.8 38.8



#4

Vinyl Chloride

Concen: 21.498 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058913.D

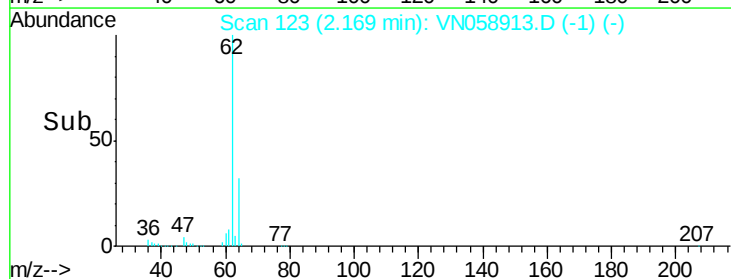
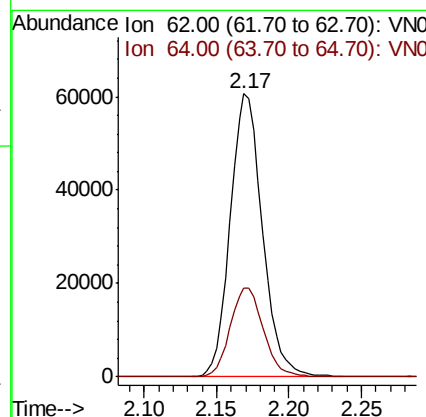
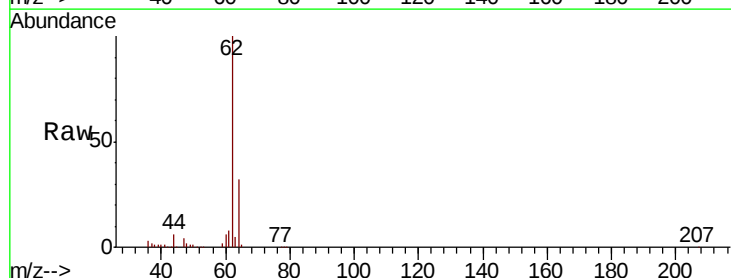
Acq: 22 Oct 2019 16:52

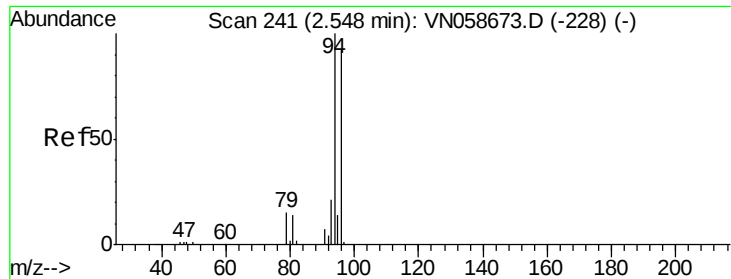
Tgt Ion: 62 Resp: 93475

Ion Ratio Lower Upper

62 100

64 31.6 26.1 39.1





#5

Bromomethane

Concen: 21.911 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

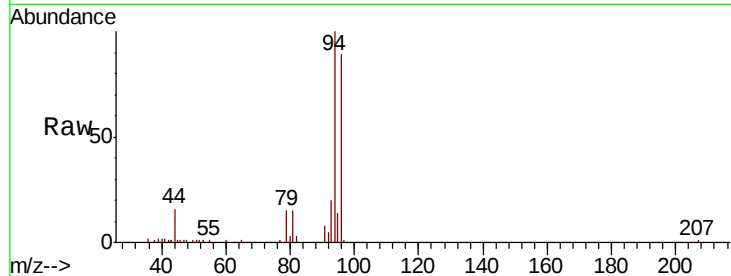
ClientSampleId :

Tot Ion: 94 Resp: 58820

Ion Ratio Lower Upper

94 100

96 89.2 73.7 110.5



Abundance Ion 94.00 (93.70 to 94.70): VN0

Ion 96.00 (95.70 to 96.70): VN0

2.55

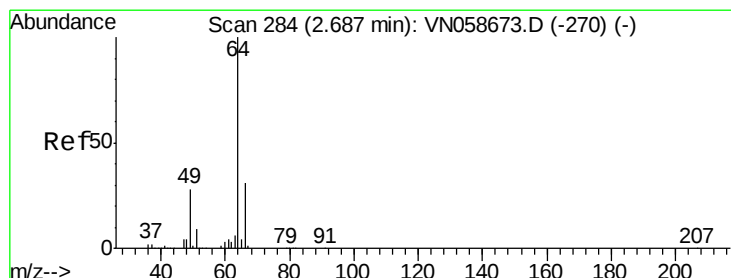
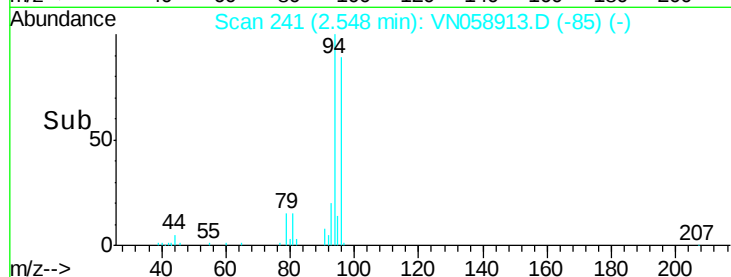
30000

20000

10000

0

Time--> 2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 22.041 ug/l

RT: 2.69 min Scan# 284

Delta R.T. 0.00 min

Lab File: VN058913.D

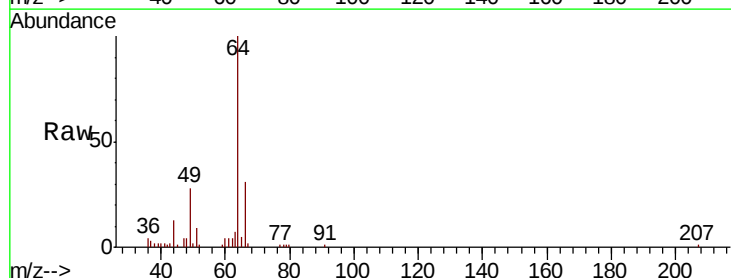
Acq: 22 Oct 2019 16:52

Tgt Ion: 64 Resp: 60240

Ion Ratio Lower Upper

64 100

66 30.8 24.6 36.8



Abundance Ion 64.00 (63.70 to 64.70): VN0

Ion 66.00 (65.70 to 66.70): VN0

2.69

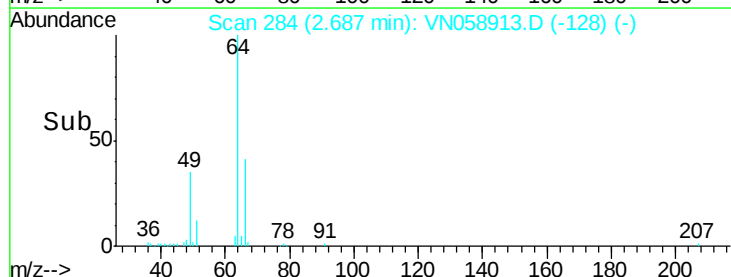
30000

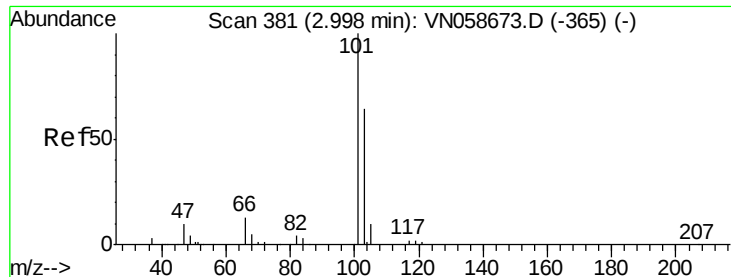
20000

10000

0

Time--> 2.60 2.65 2.70 2.75



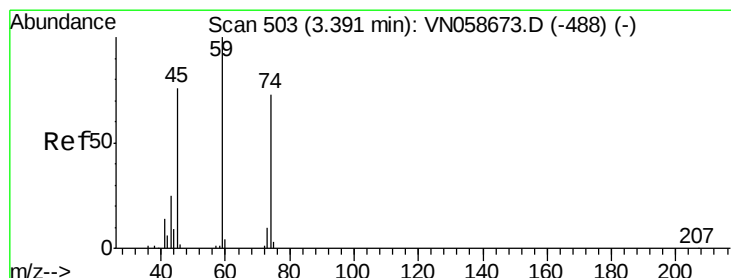
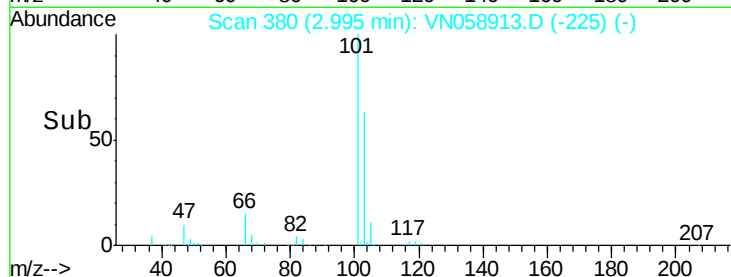
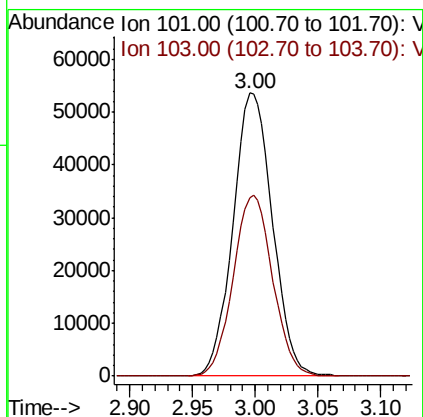
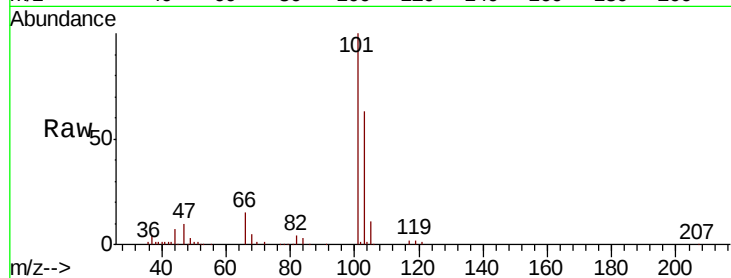


#7

Trichlorofluoromethane
 Concen: 21.905 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampleId :

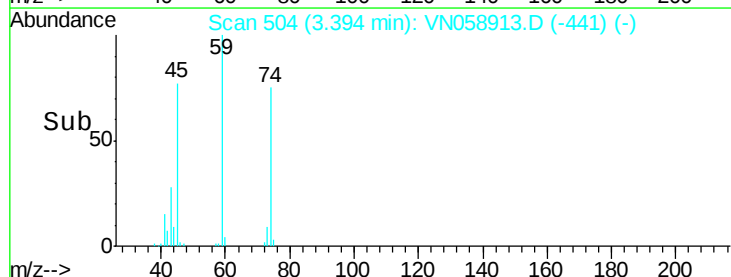
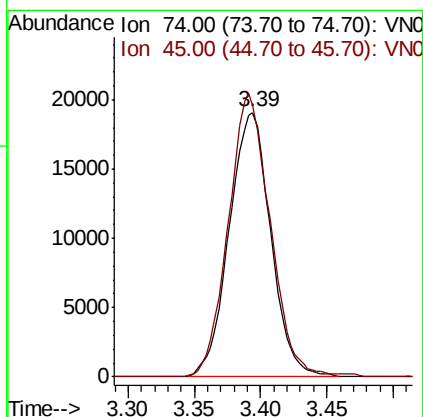
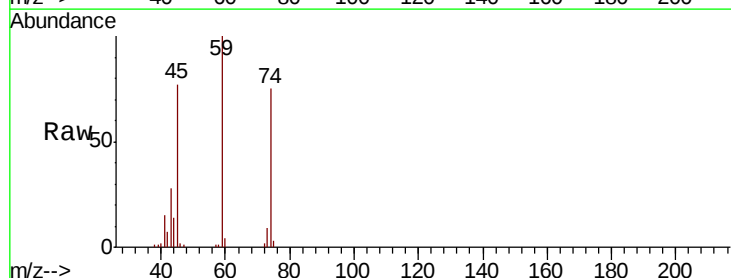
Tot Ion:101 Resp: 117228
 Ion Ratio Lower Upper
 101 100
 103 63.0 51.5 77.3

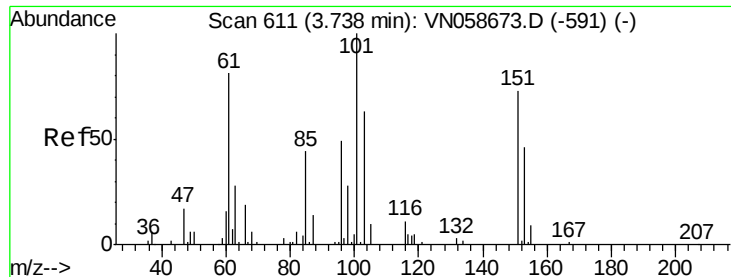


#8

Diethyl Ether
 Concen: 20.372 ug/l
 RT: 3.39 min Scan# 504
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion: 74 Resp: 41583
 Ion Ratio Lower Upper
 74 100
 45 107.7 20.6 185.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.733 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

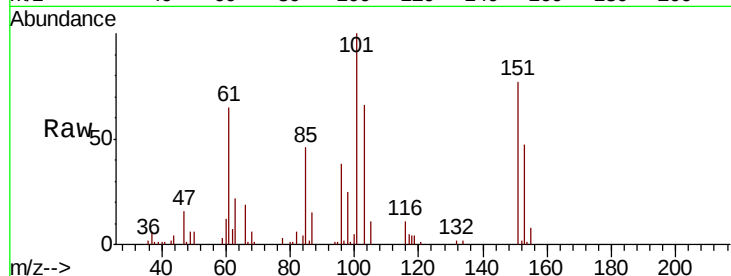
Tot Ion:101 Resp: 64202

Ion Ratio Lower Upper

101 100

85 46.5 0.0 93.8

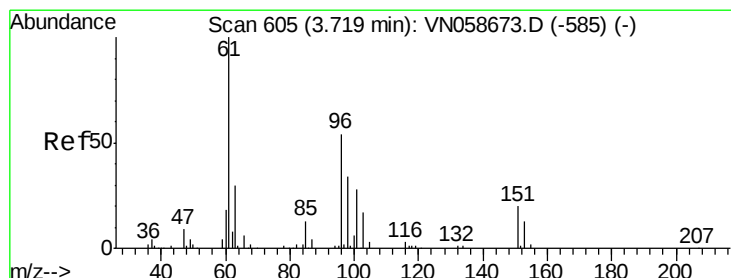
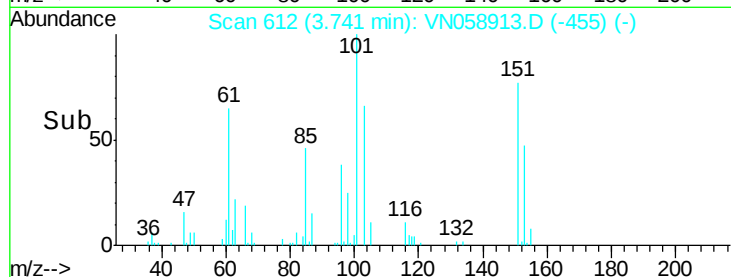
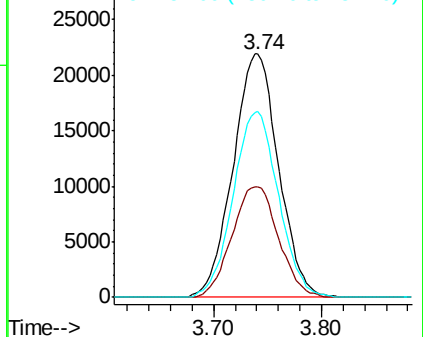
151 76.1 0.0 149.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VNO

Ion 151.00 (150.70 to 151.70): V



#10

1,1-Dichloroethene

Concen: 20.351 ug/l

RT: 3.72 min Scan# 604

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

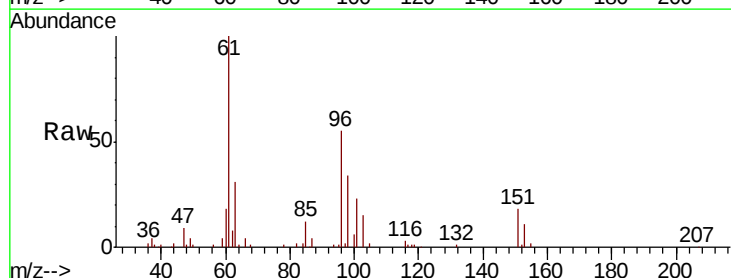
Tgt Ion: 96 Resp: 61895

Ion Ratio Lower Upper

96 100

61 181.0 148.5 222.7

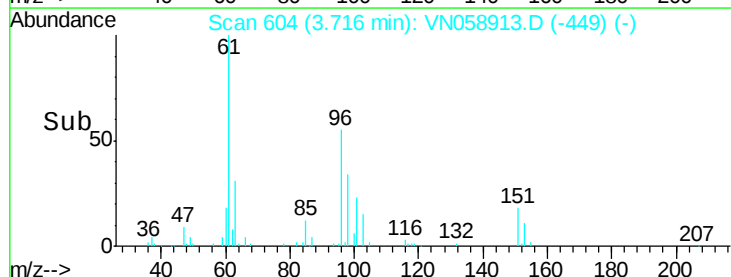
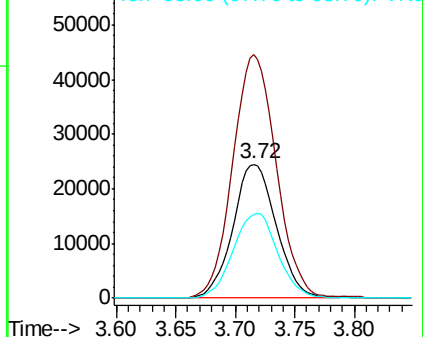
98 62.5 51.0 76.6

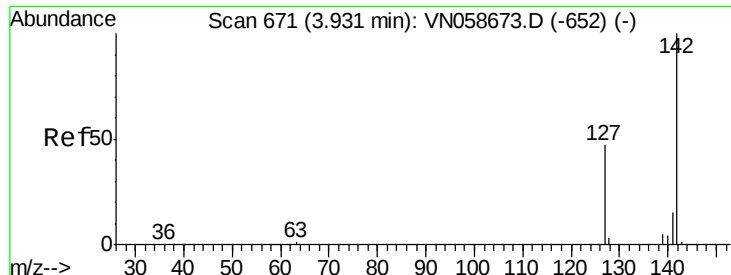


Abundance Ion 96.00 (95.70 to 96.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 98.00 (97.70 to 98.70): VNO

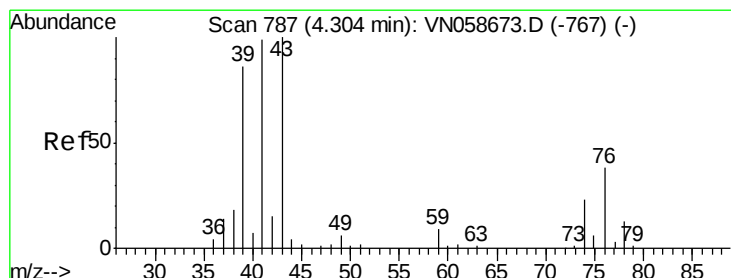
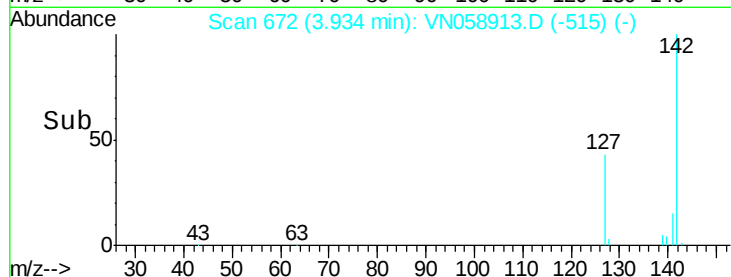
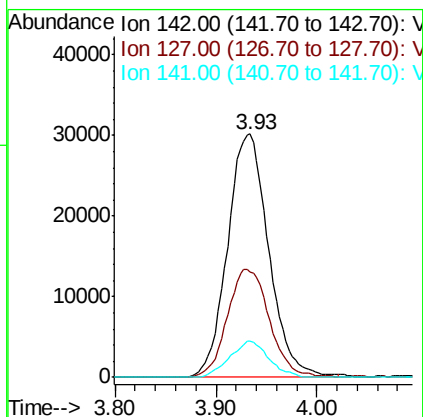
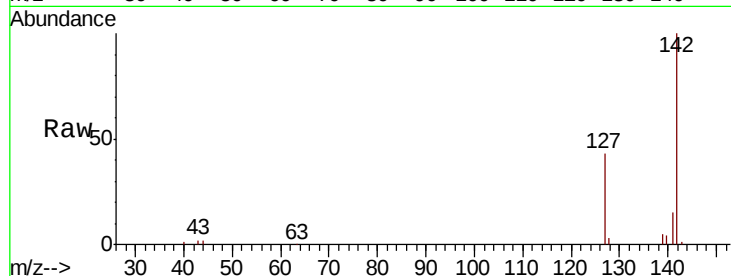




#11
Methyl Iodide
Concen: 20.176 ug/l
RT: 3.93 min Scan# 672
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

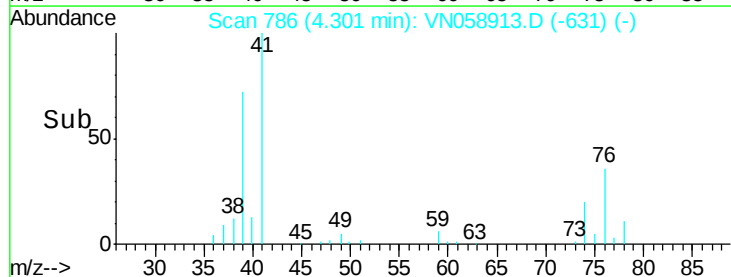
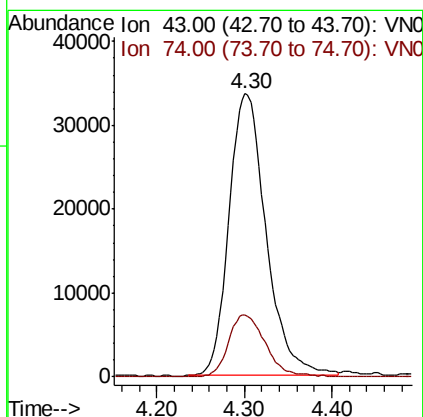
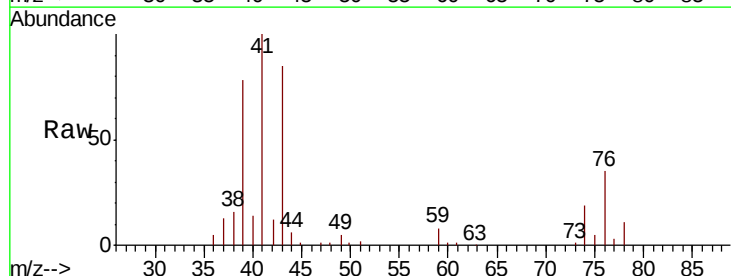
Instrument :
MSVOA_N
ClientSampled :

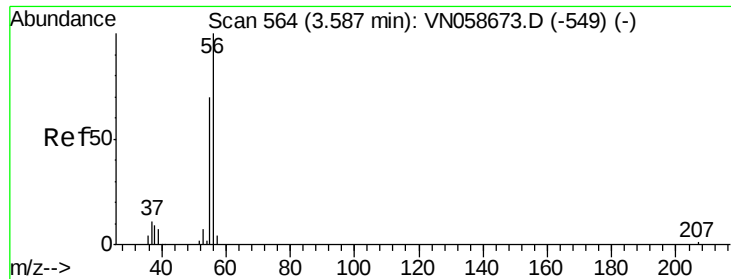
Tot Ion:142 Resp: 85459
Ion Ratio Lower Upper
142 100
127 43.5 23.5 70.6
141 15.1 7.4 22.2



#12
Methyl Acetate
Concen: 20.410 ug/l
RT: 4.30 min Scan# 786
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 43 Resp: 99317
Ion Ratio Lower Upper
43 100
74 22.2 18.1 27.1





#13

Acrolein

Concen: 105.288 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

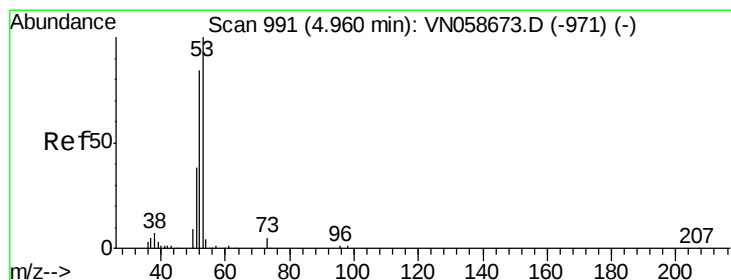
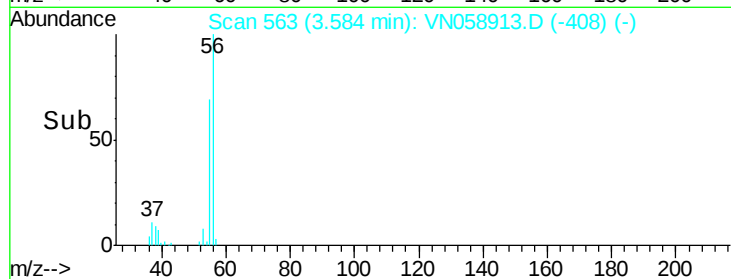
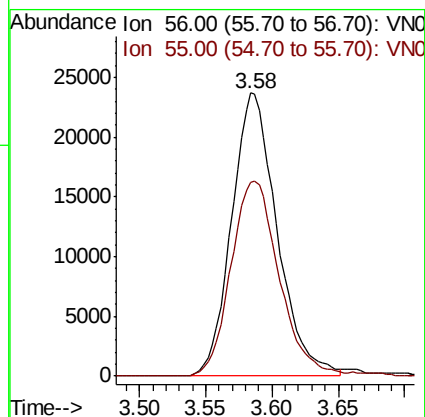
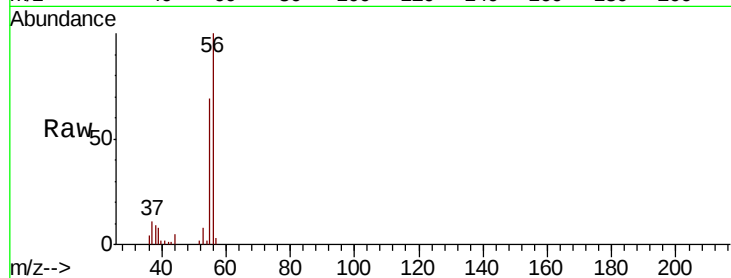
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 56608

Ion Ratio Lower Upper

56 100

55 73.0 55.9 83.9



#14

Acrylonitrile

Concen: 102.457 ug/l

RT: 4.96 min Scan# 991

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

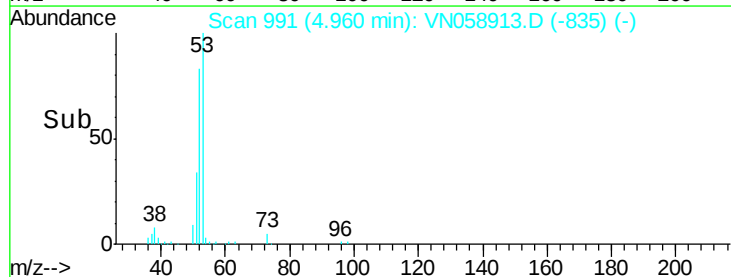
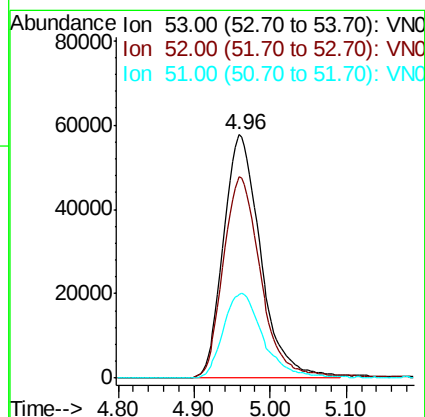
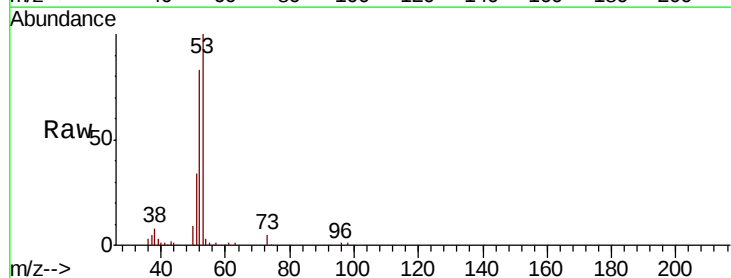
Tgt Ion: 53 Resp: 196443

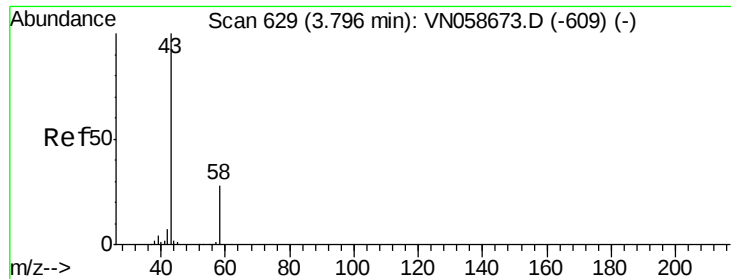
Ion Ratio Lower Upper

53 100

52 83.0 42.2 126.6

51 37.3 18.8 56.4





#15

Acetone

Concen: 109.990 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

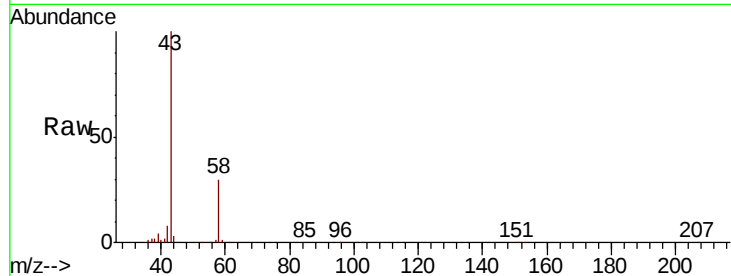
ClientSampleId :

Tot Ion: 58 Resp: 62599

Ion Ratio Lower Upper

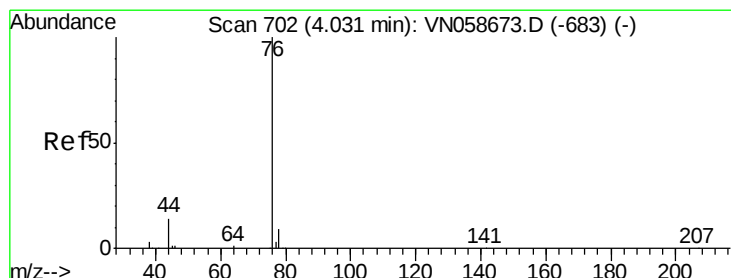
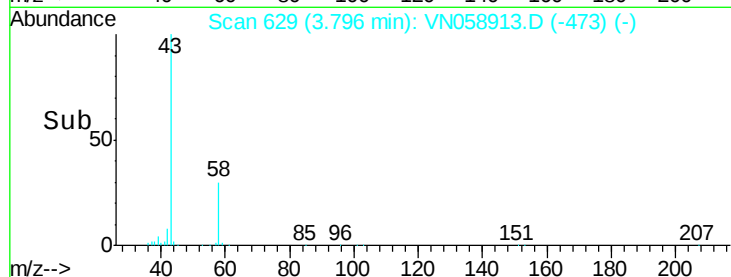
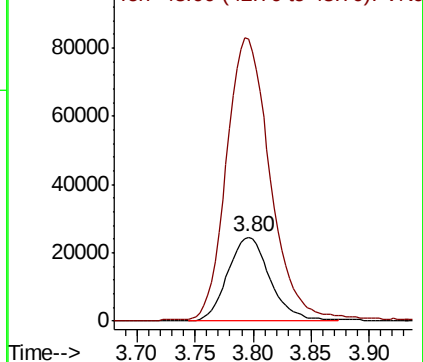
58 100

43 333.9 281.7 422.5



Abundance Ion 58.00 (57.70 to 58.70): VN058913.D (-473) (-)

Ion 43.00 (42.70 to 43.70): VN058913.D (-473) (-)



#16

Carbon Disulfide

Concen: 20.308 ug/l

RT: 4.03 min Scan# 702

Delta R.T. 0.00 min

Lab File: VN058913.D

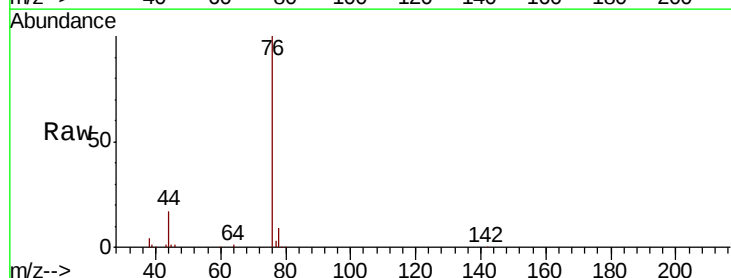
Acq: 22 Oct 2019 16:52

Tgt Ion: 76 Resp: 180151

Ion Ratio Lower Upper

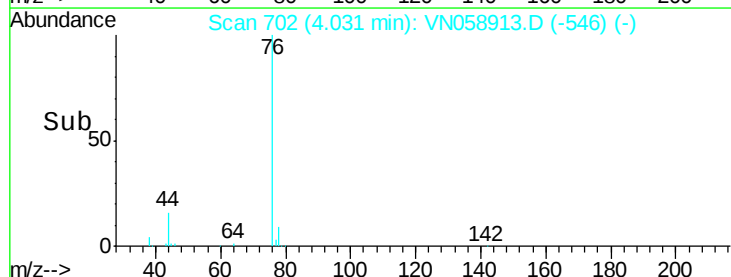
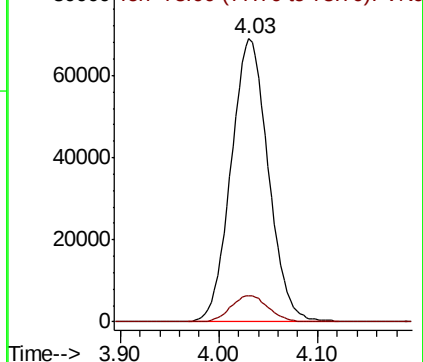
76 100

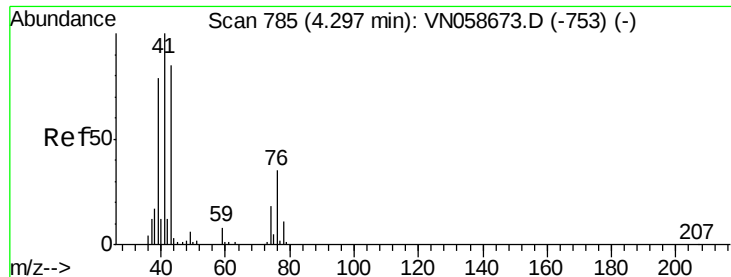
78 9.4 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VN058913.D (-546) (-)

Ion 78.00 (77.70 to 78.70): VN058913.D (-546) (-)

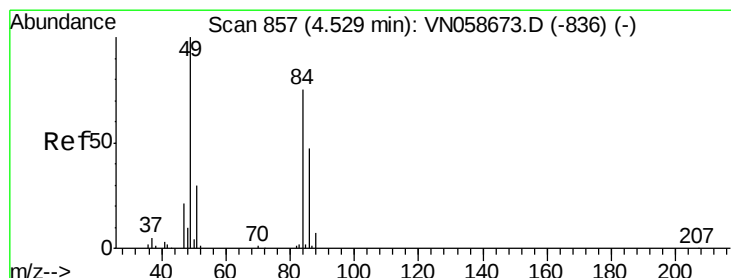
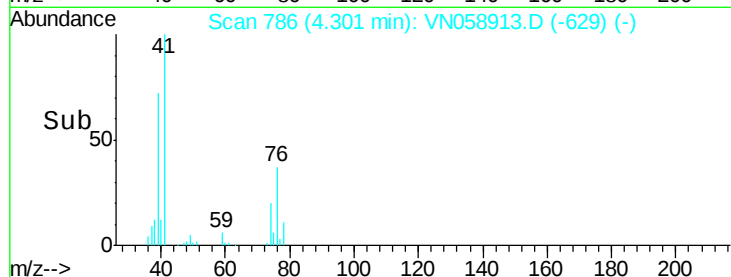
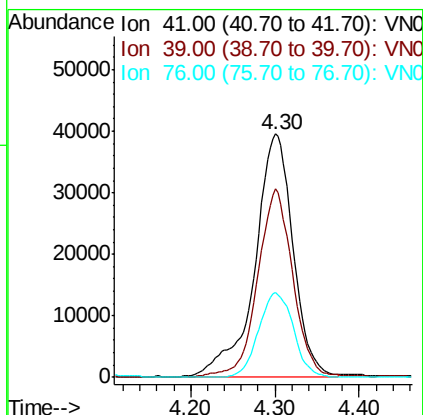
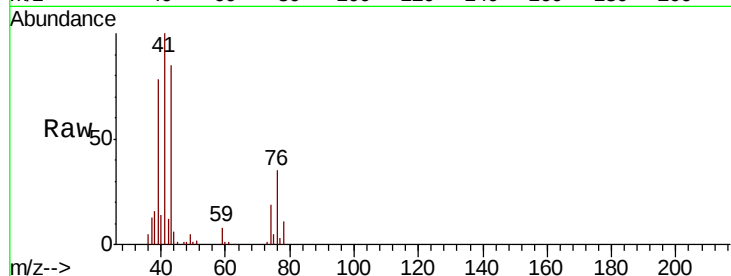




#17
Allvl chloride
Concen: 20.484 ug/l
RT: 4.30 min Scan# 786
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

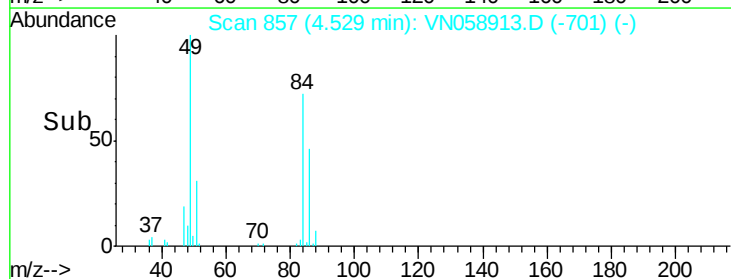
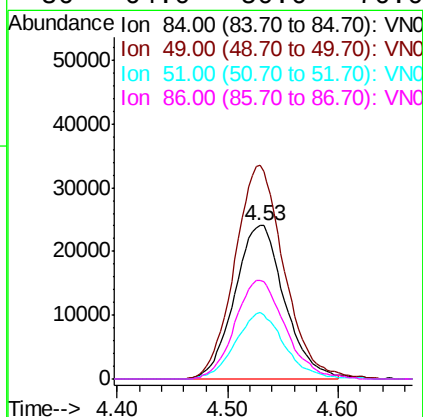
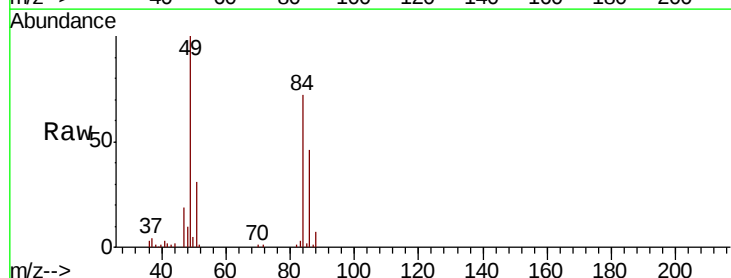
Instrument :
MSVOA_N
ClientSampled :

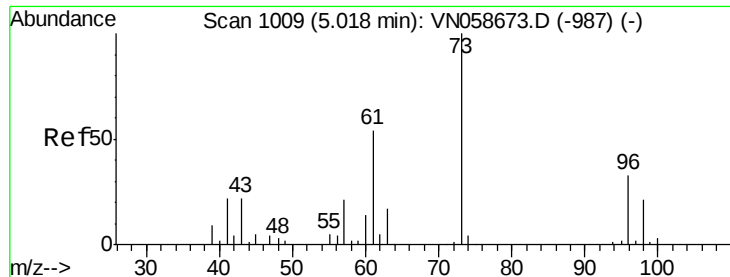
Tot Ion: 41 Resp: 123998
Ion Ratio Lower Upper
41 100
39 77.9 39.6 118.8
76 35.0 17.6 52.9



#18
Methylene Chloride
Concen: 20.564 ug/l
RT: 4.53 min Scan# 857
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 84 Resp: 75735
Ion Ratio Lower Upper
84 100
49 138.4 106.6 160.0
51 43.1 32.4 48.6
86 64.0 50.6 76.0

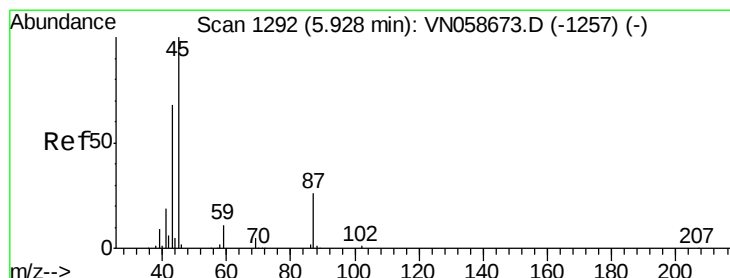
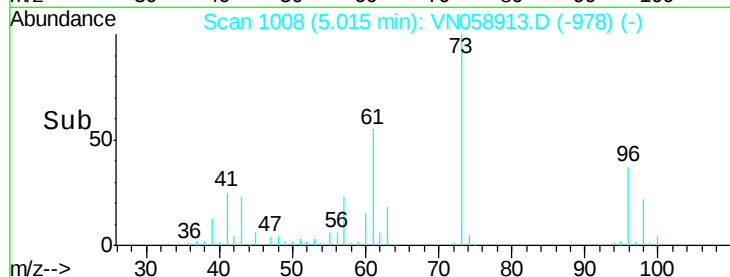
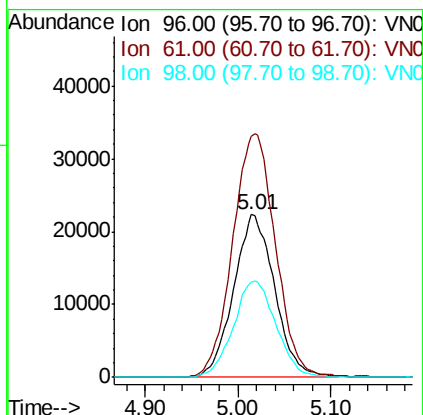
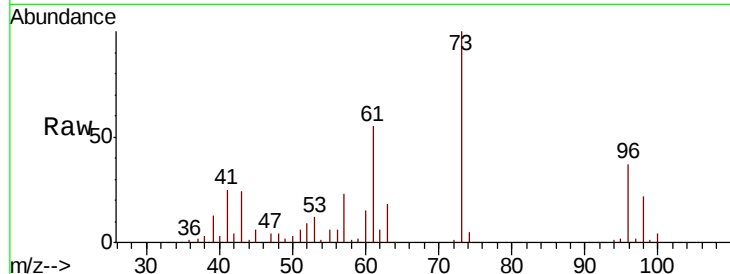




#19
trans-1,2-Dichloroethene
Concen: 20.743 ug/l
RT: 5.01 min Scan# 1008
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

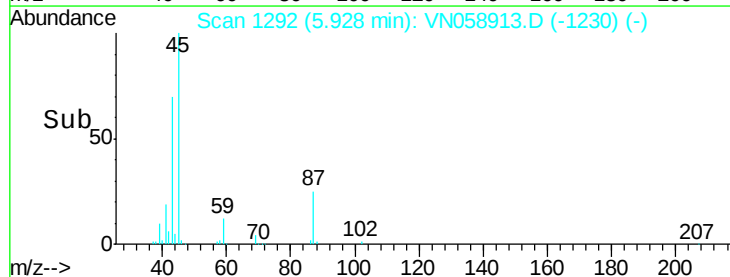
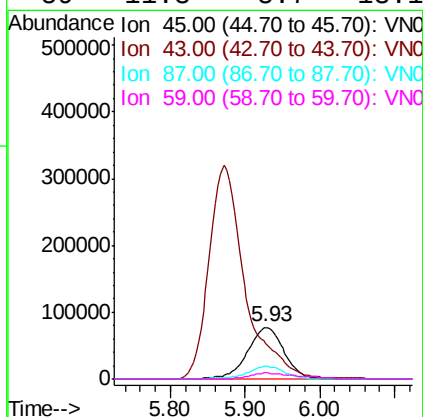
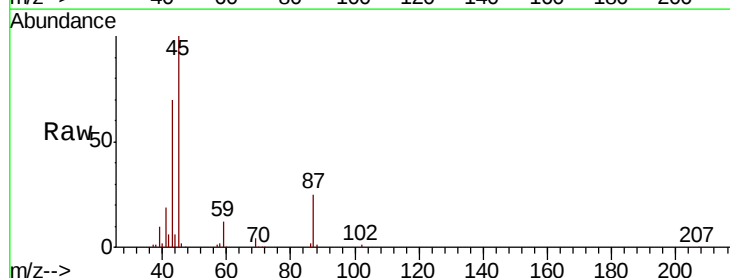
Instrument :
MSVOA_N
ClientSampled :

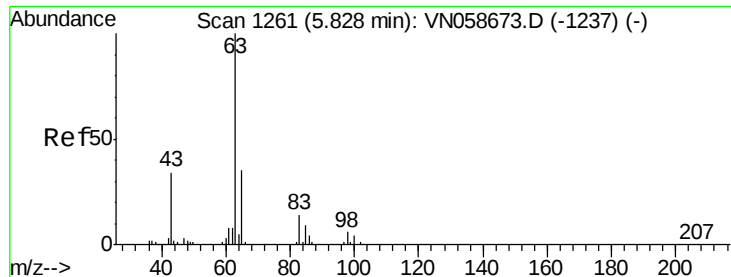
Tot Ion: 96 Resp: 68681
Ion Ratio Lower Upper
96 100
61 148.2 131.8 197.6
98 58.5 52.6 79.0



#20
Diisopropyl ether
Concen: 21.204 ug/l
RT: 5.93 min Scan# 1292
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 45 Resp: 261522
Ion Ratio Lower Upper
45 100
43 68.1 54.7 82.1
87 24.5 21.5 32.3
59 11.3 8.7 13.1





#21

1,1-Dichloroethane

Concen: 21.442 ug/l

RT: 5.82 min Scan# 1259

Delta R.T. -0.01 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :

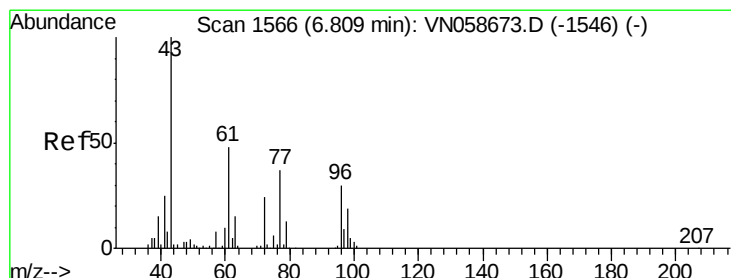
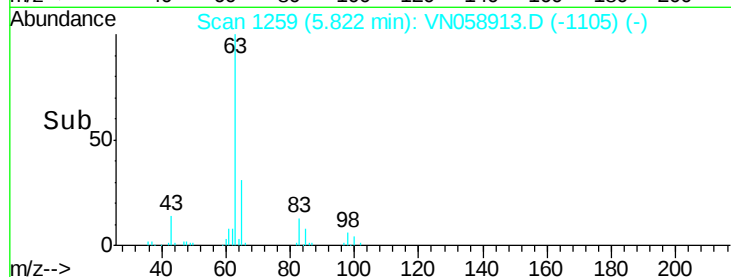
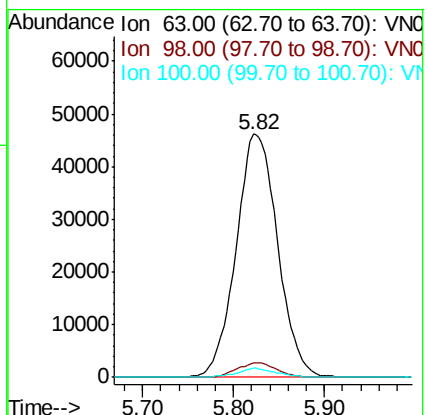
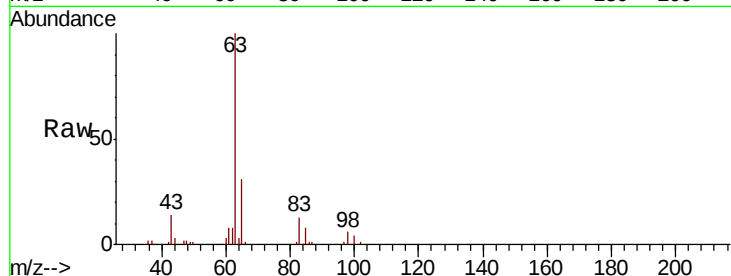
Tot Ion: 63 Resp: 146442

Ion Ratio Lower Upper

63 100

98 5.7 2.9 8.6

100 3.8 1.8 5.5



#22

cis-1,2-Dichloroethene

Concen: 20.169 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

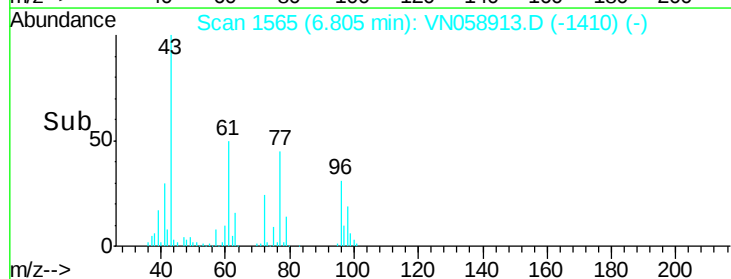
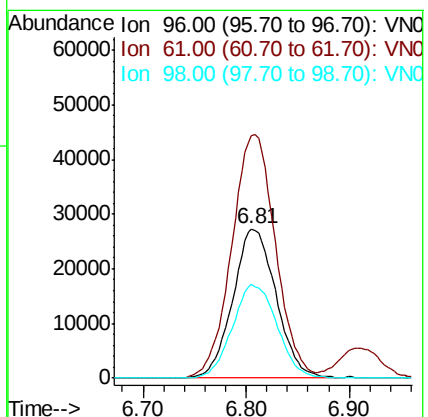
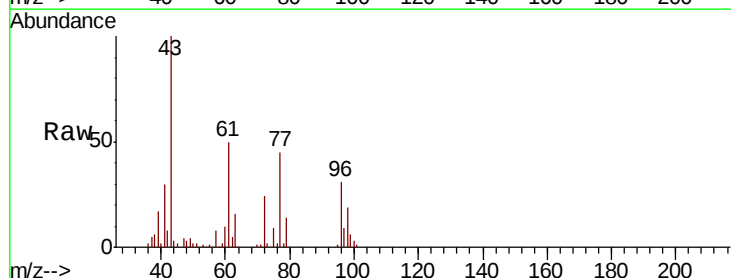
Tgt Ion: 96 Resp: 79620

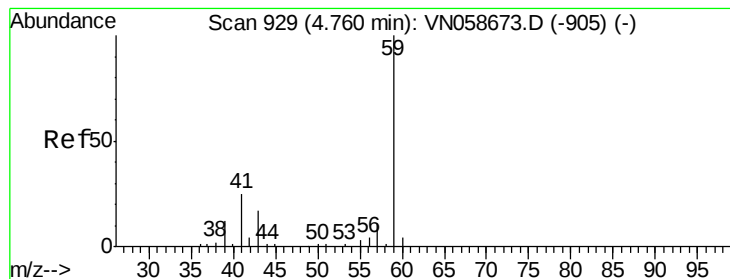
Ion Ratio Lower Upper

96 100

61 165.0 127.2 190.8

98 64.6 50.5 75.7



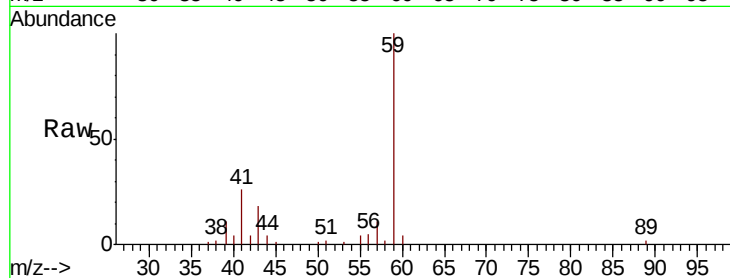


#23

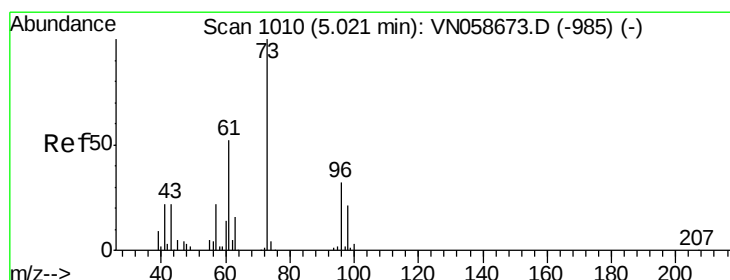
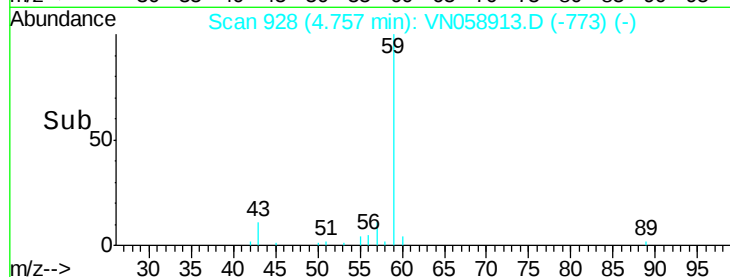
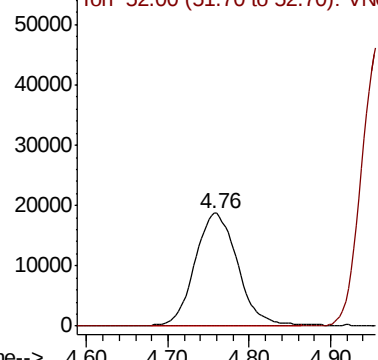
tert-Butyl Alcohol
 Concen: 87.247 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion: 59 Resp: 68422
 Ion Ratio Lower Upper
 59 100
 52 0.0 0.0 0.0



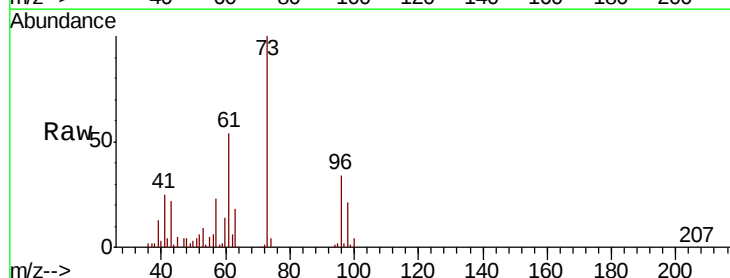
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 52.00 (51.70 to 52.70): VN0



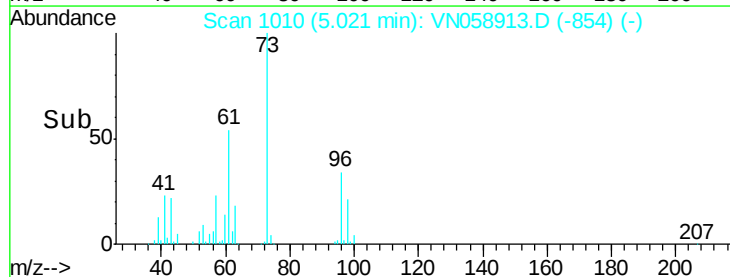
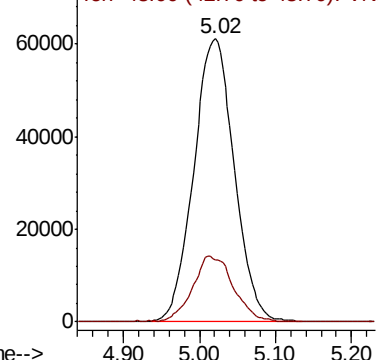
#24

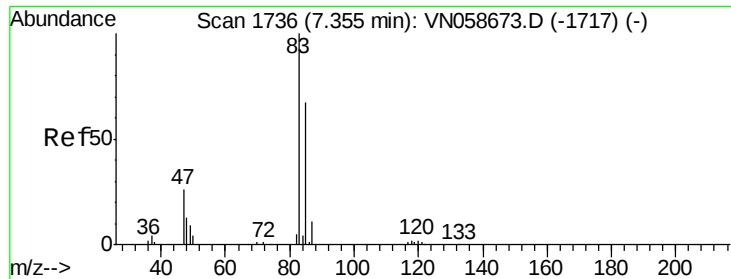
Methyl tert-Butyl Ether
 Concen: 19.975 ug/l
 RT: 5.02 min Scan# 1010
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion: 73 Resp: 226636
 Ion Ratio Lower Upper
 73 100
 43 23.1 17.9 26.9



Abundance Ion 73.00 (72.70 to 73.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0

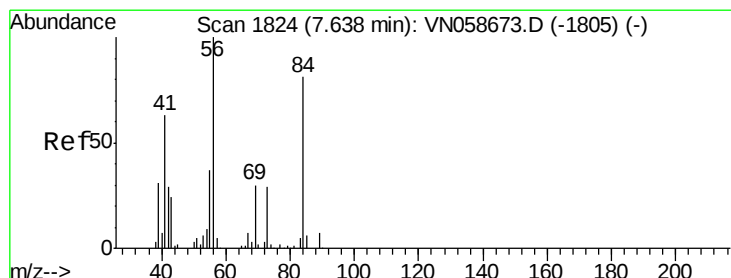
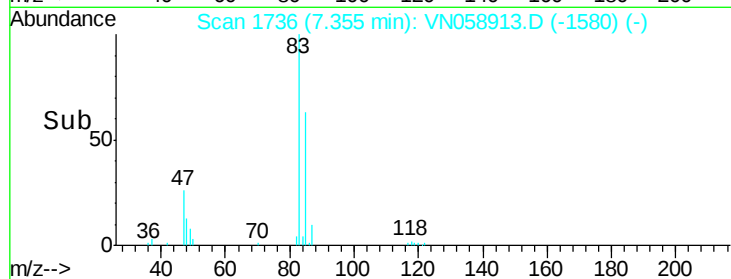
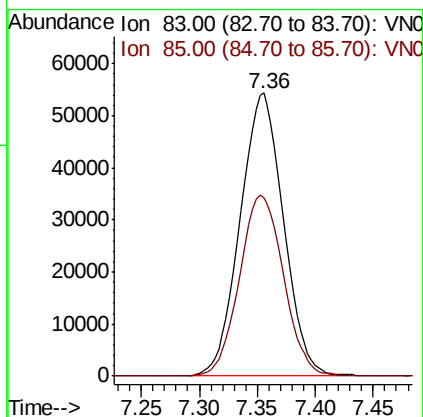
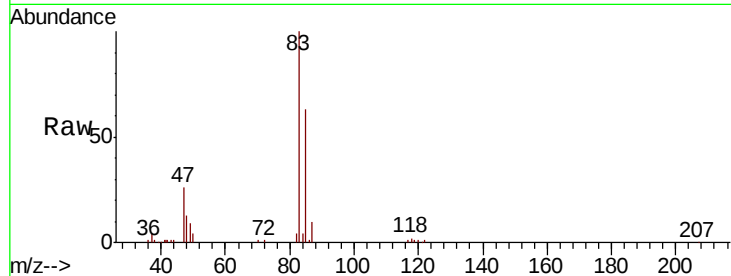




#25
Chloroform
Concen: 20.756 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

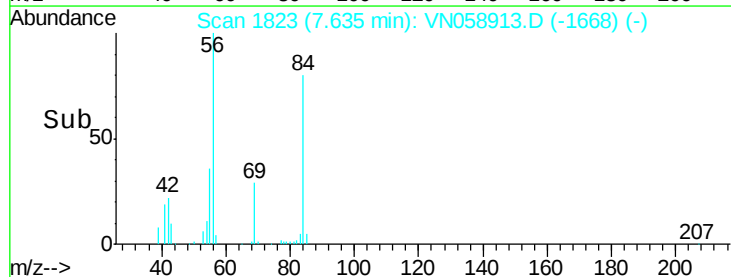
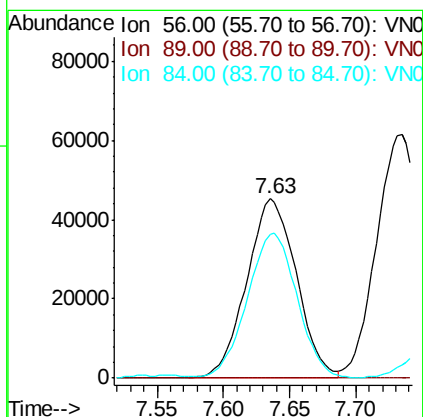
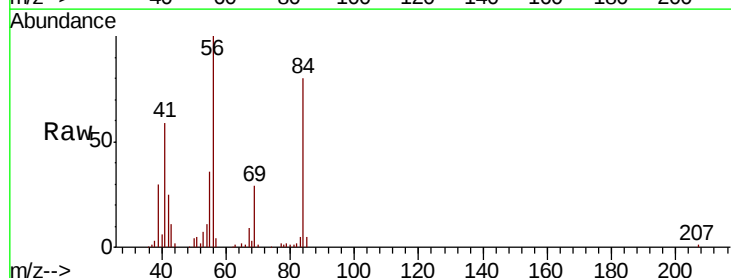
Instrument :
MSVOA_N
ClientSampled :

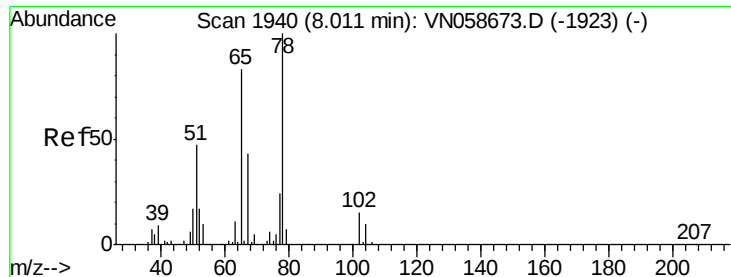
Tot Ion: 83 Resp: 141378
Ion Ratio Lower Upper
83 100
85 63.0 53.8 80.8



#26
Cyclohexane
Concen: 19.751 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 56 Resp: 118399
Ion Ratio Lower Upper
56 100
89 0.0 6.2 9.2#
84 81.2 65.6 98.4





#27

1,2-Dichloroethane-d4

Concen: 30.853 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

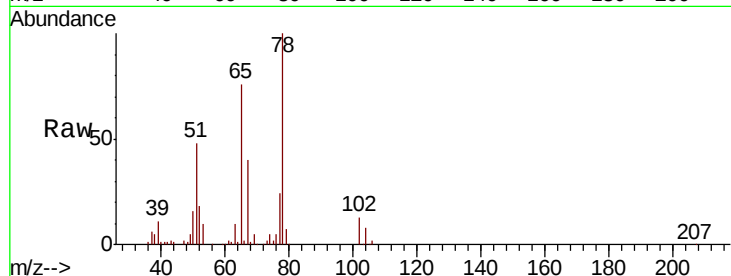
ClientSampleId :

Tot Ion: 65 Resp: 152217

Ion Ratio Lower Upper

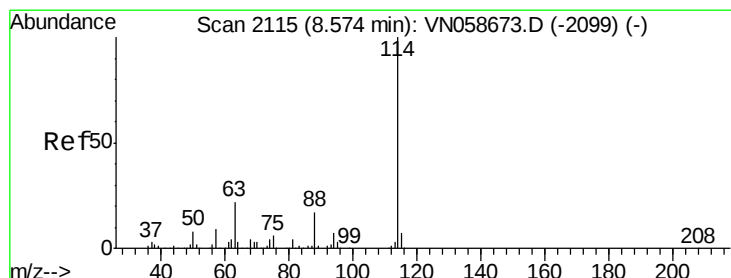
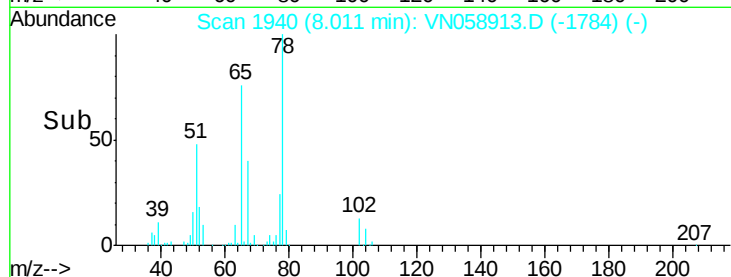
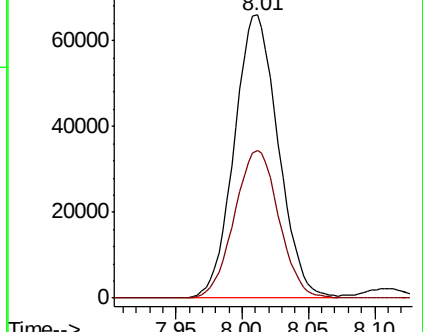
65 100

67 52.7 41.5 62.3



Abundance Ion 65.00 (64.70 to 65.70): VN058913.D (-1784) (-)

Ion 67.00 (66.70 to 67.70): VN058913.D (-1784) (-)



#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 8.57 min Scan# 2115

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

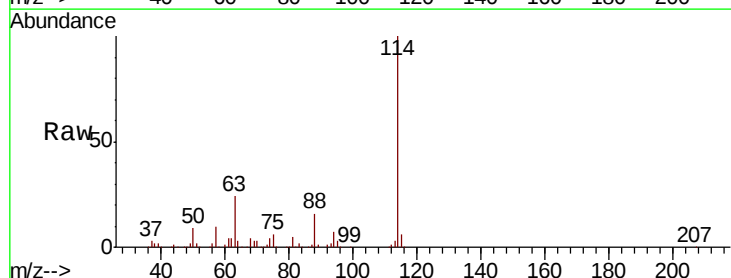
Tgt Ion: 114 Resp: 313178

Ion Ratio Lower Upper

114 100

63 22.8 18.1 27.1

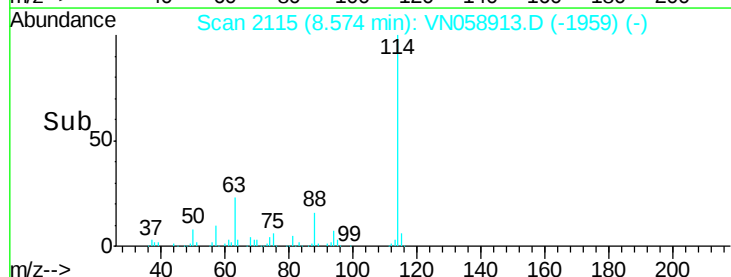
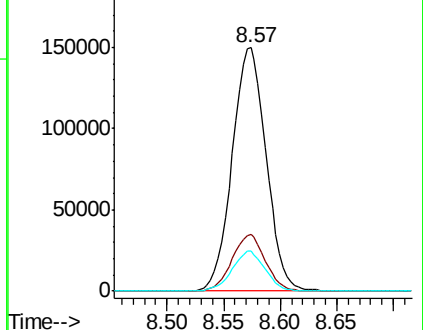
88 15.9 13.0 19.4

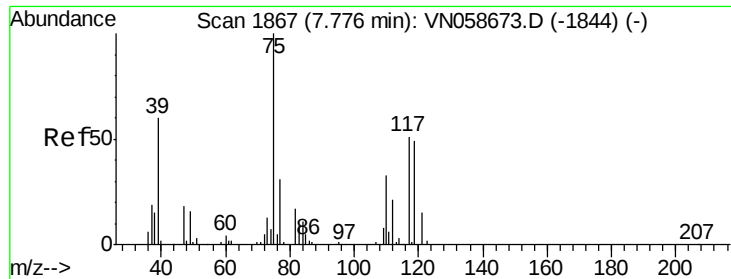


Abundance Ion 114.00 (113.70 to 114.70): VN058913.D (-1959) (-)

Ion 63.00 (62.70 to 63.70): VN058913.D (-1959) (-)

Ion 88.00 (87.70 to 88.70): VN058913.D (-1959) (-)

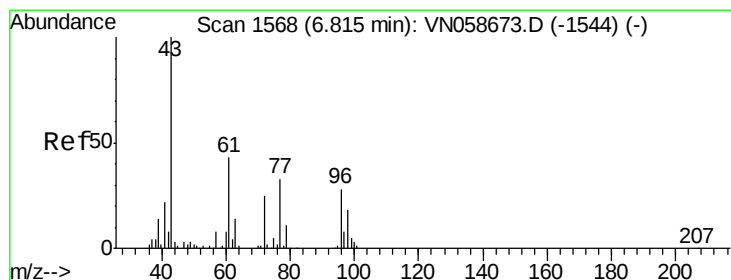
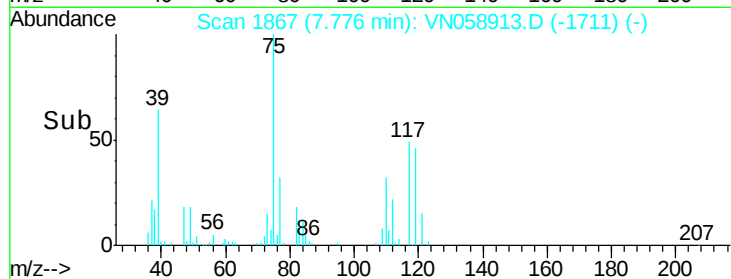
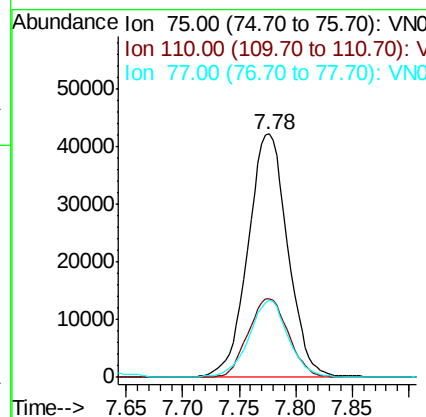
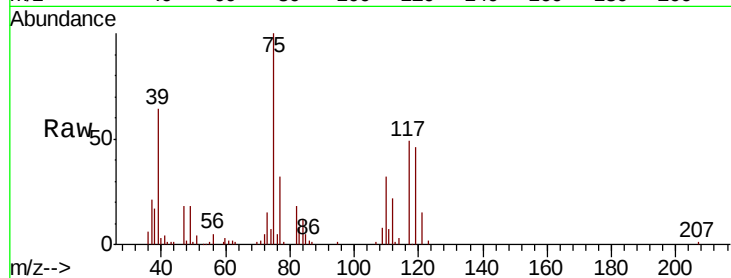




#29
 1,1-Dichloropropene
 Concen: 20.967 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

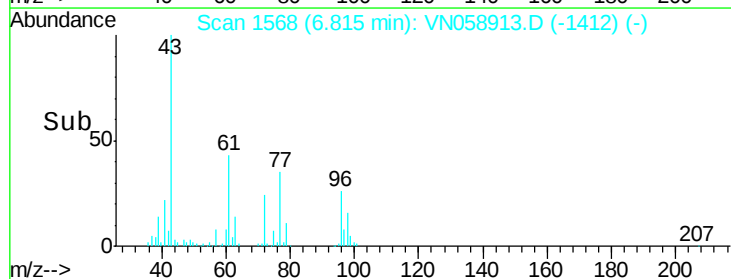
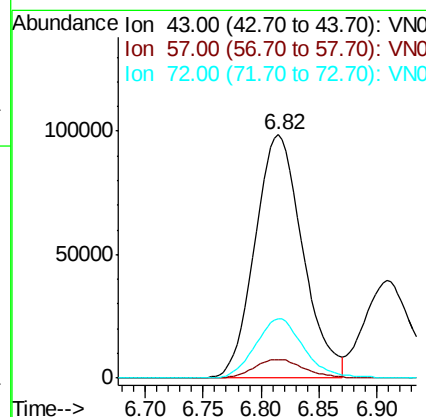
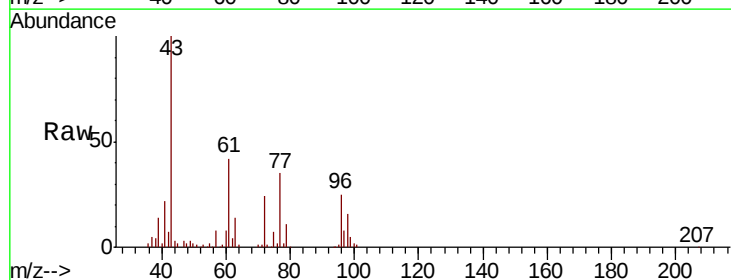
Instrument :
 MSVOA_N
 ClientSampled :

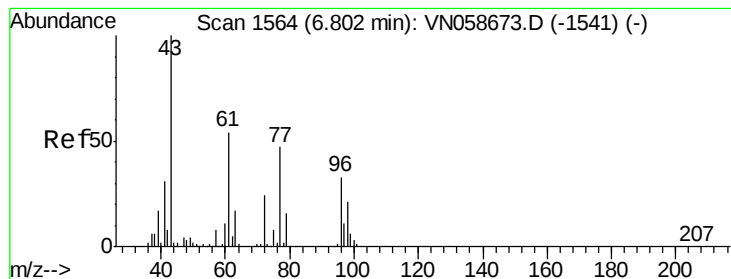
Tot Ion	Ratio	Lower	Upper
75	100		
110	32.6	0.0	64.6
77	31.1	0.0	60.8



#30
 2-Butanone
 Concen: 101.472 ug/l
 RT: 6.82 min Scan# 1568
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
43	100		
57	8.1	6.5	9.7
72	24.7	20.1	30.1





#31

2,2-Dichloropropane

Concen: 22.069 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

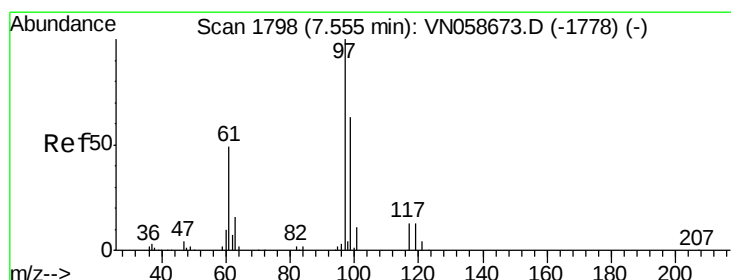
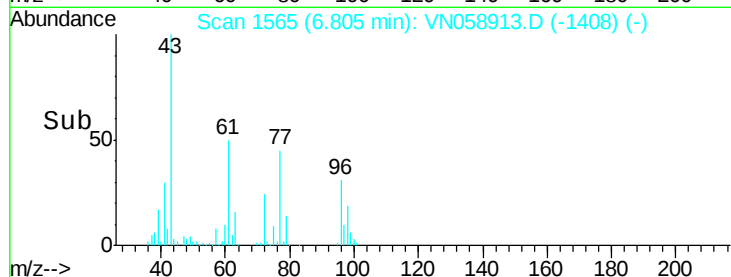
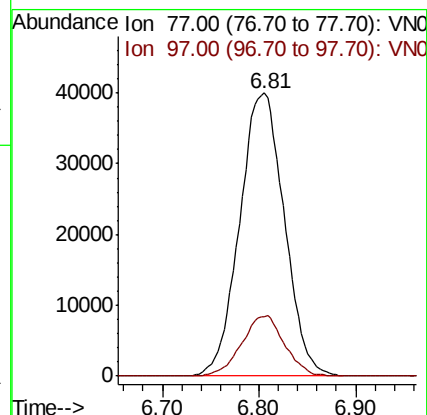
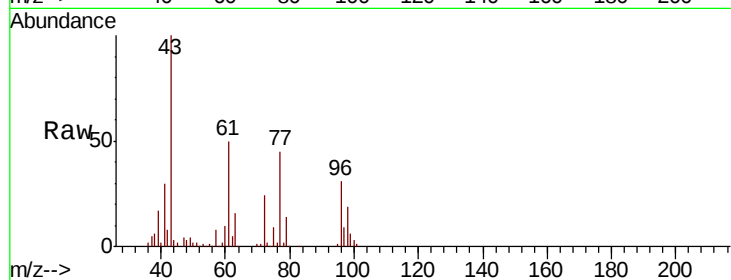
ClientSampled :

Tot Ion: 77 Resp: 128234

Ion Ratio Lower Upper

77 100

97 20.5 17.9 26.9



#32

1,1,1-Trichloroethane

Concen: 21.505 ug/l

RT: 7.55 min Scan# 1797

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

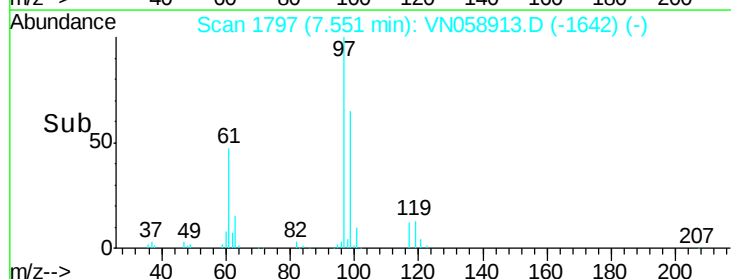
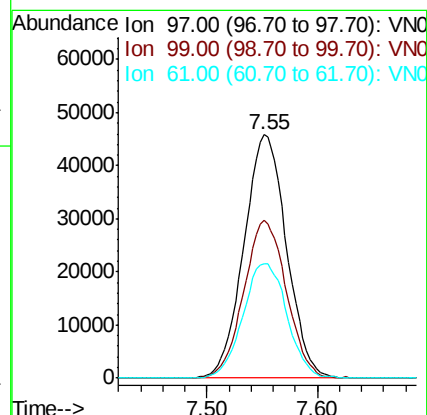
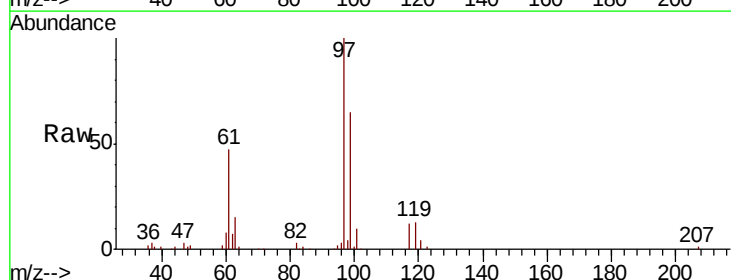
Tgt Ion: 97 Resp: 122617

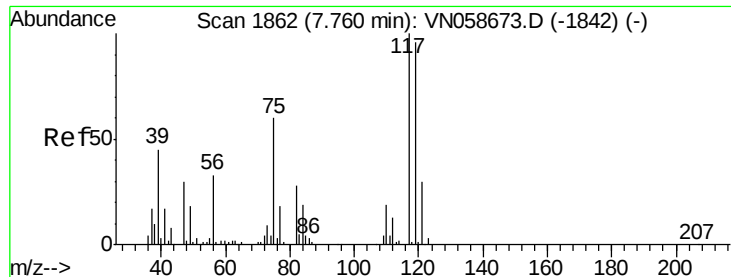
Ion Ratio Lower Upper

97 100

99 65.0 51.3 76.9

61 48.5 38.4 57.6





#33

Carbon Tetrachloride

Concen: 21.224 ug/l

RT: 7.75 min Scan# 1860

Delta R.T. -0.01 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

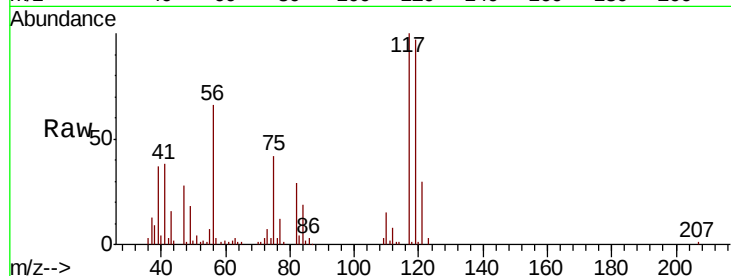
Tot Ion:117 Resp: 104750

Ion Ratio Lower Upper

117 100

119 97.4 76.9 115.3

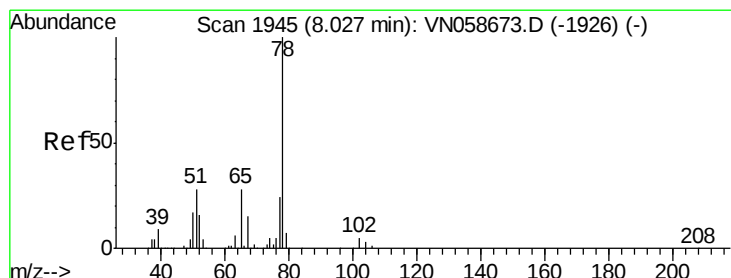
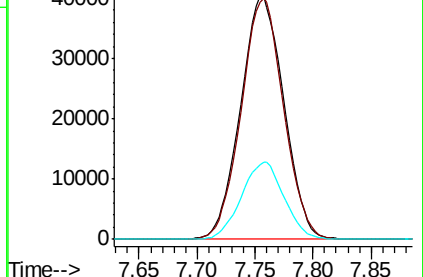
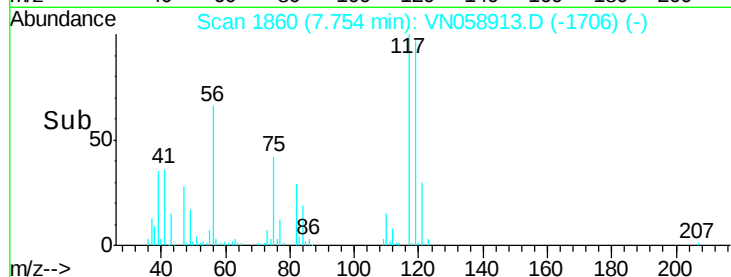
121 30.4 23.8 35.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

Ion 121.00 (120.70 to 121.70): V



#34

Benzene

Concen: 21.212 ug/l

RT: 8.02 min Scan# 1944

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

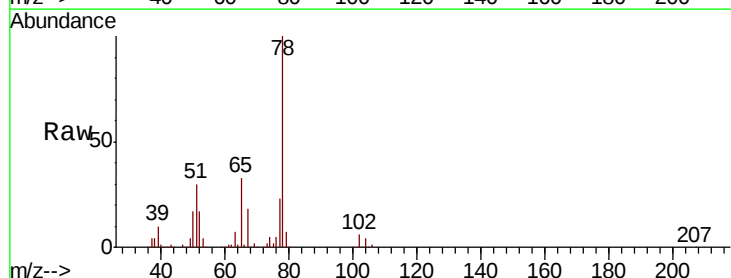
Tgt Ion: 78 Resp: 307860

Ion Ratio Lower Upper

78 100

77 22.9 19.2 28.8

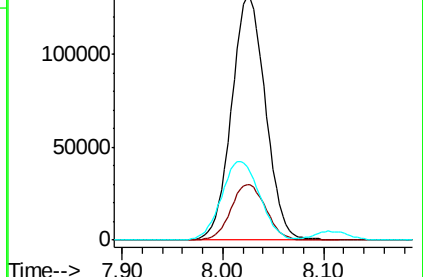
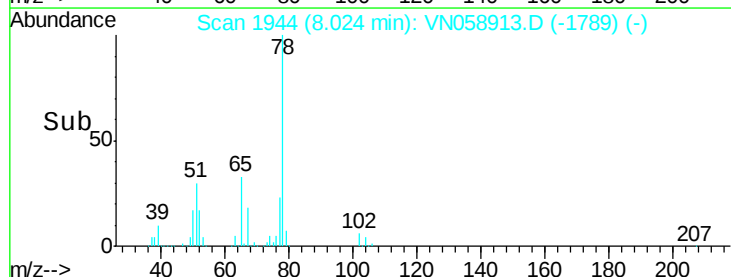
51 29.8 22.1 33.1

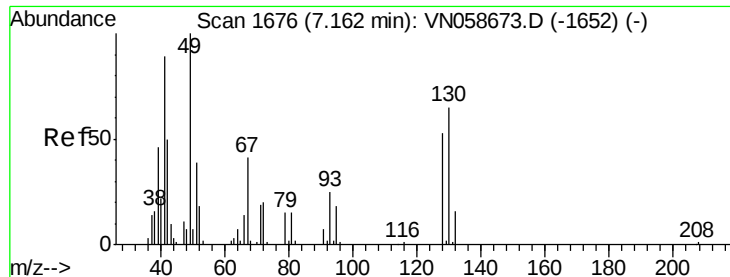


Abundance Ion 78.10 (77.80 to 78.80): V

Ion 77.00 (76.70 to 77.70): V

Ion 51.00 (50.70 to 51.70): V

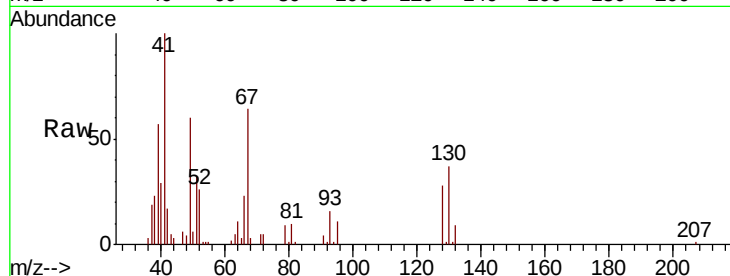




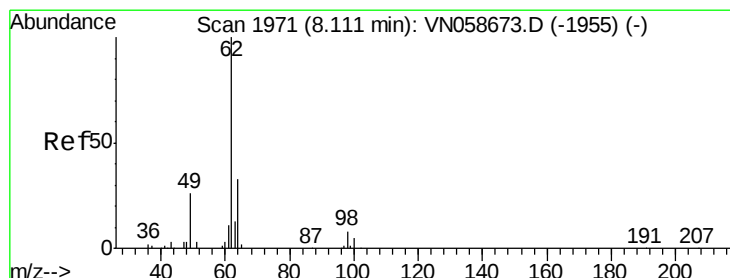
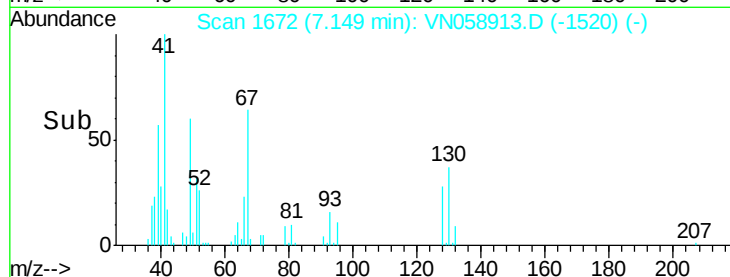
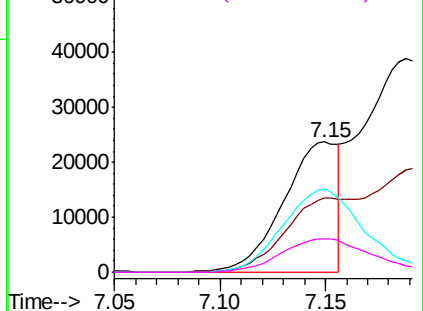
#35
Methacrylonitrile
Concen: 17.364 ug/l
RT: 7.15 min Scan# 1672
Delta R.T. -0.01 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 42732
Ion Ratio Lower Upper
41 100
39 57.1 25.8 77.4
67 64.2 23.0 69.0
52 26.1 10.1 30.1

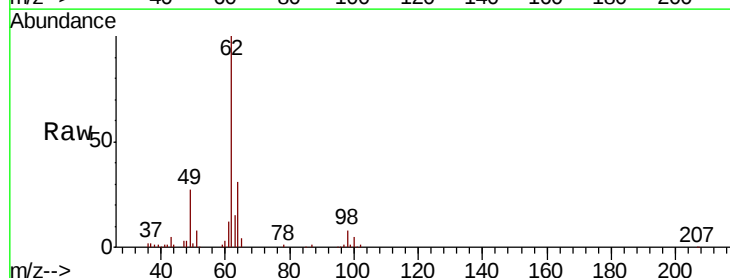


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

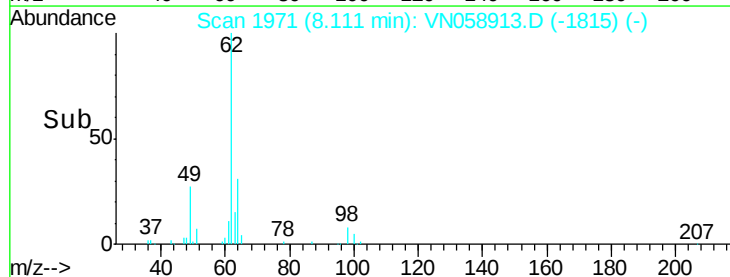
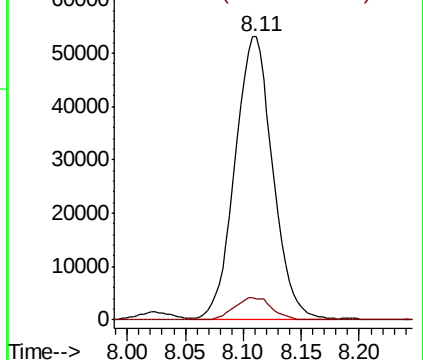


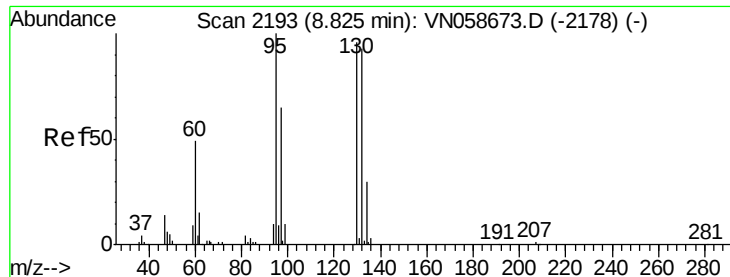
#36
1,2-Dichloroethane
Concen: 21.793 ug/l
RT: 8.11 min Scan# 1971
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 62 Resp: 120930
Ion Ratio Lower Upper
62 100
98 7.8 6.4 9.6



Abundance Ion 62.00 (61.70 to 62.70): VN0
Ion 98.00 (97.70 to 98.70): VN0





#37

Trichloroethene

Concen: 20.767 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

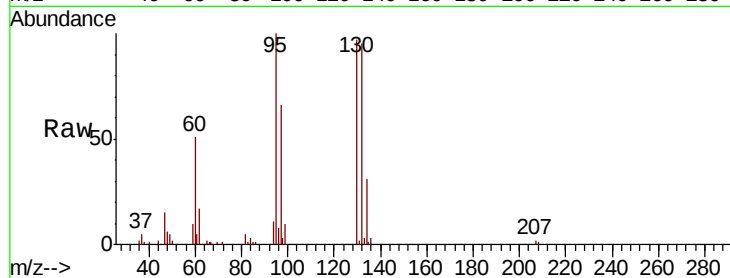
ClientSampleId :

Tot Ion:130 Resp: 74046

Ion Ratio Lower Upper

130 100

95 102.7 83.2 124.8



Abundance Ion 129.90 (129.60 to 130.60): V

Ion 94.90 (94.60 to 95.60): VN

8.82

40000

30000

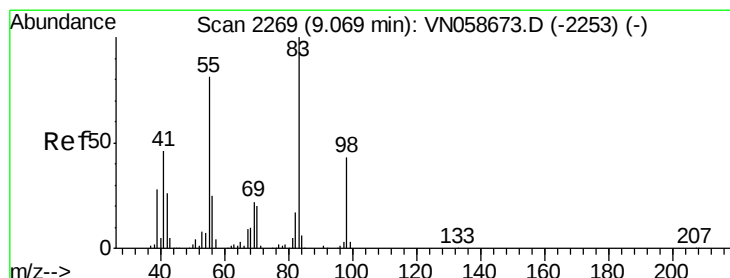
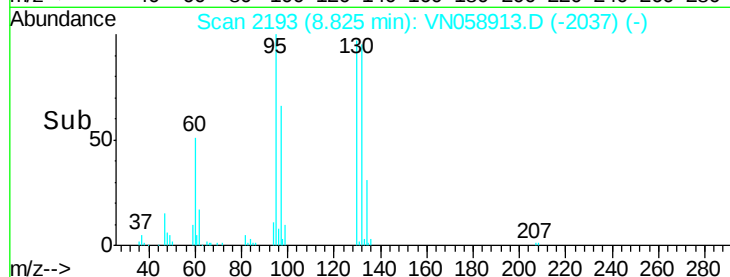
20000

10000

0

8.75 8.80 8.85 8.90

Time-->



#38

Methylcyclohexane

Concen: 19.202 ug/l

RT: 9.07 min Scan# 2269

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

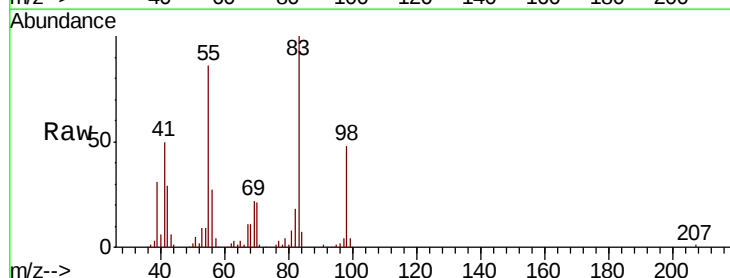
Tgt Ion: 83 Resp: 109755

Ion Ratio Lower Upper

83 100

55 84.8 40.4 121.1

98 45.4 21.6 65.0



Abundance Ion 83.00 (82.70 to 83.70): VN

Ion 55.00 (54.70 to 55.70): VN

Ion 98.00 (97.70 to 98.70): VN

9.07

60000

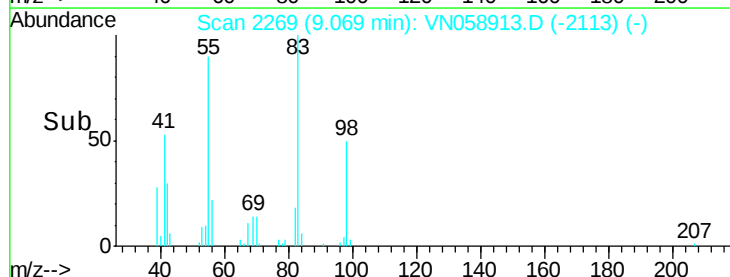
40000

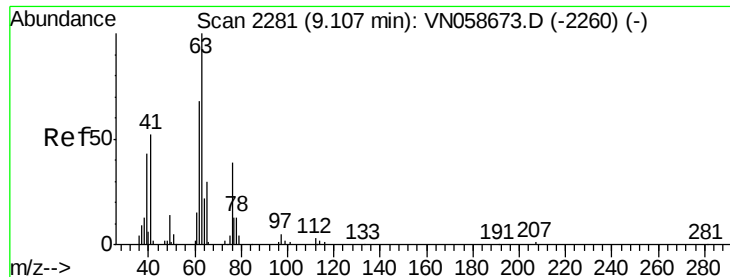
20000

0

9.00 9.05 9.10 9.15

Time-->

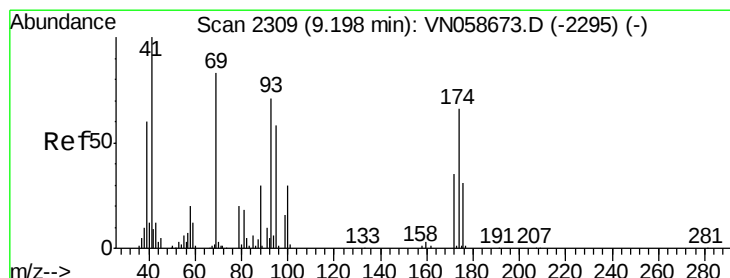
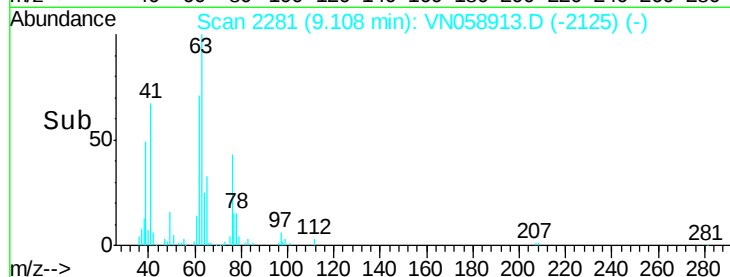
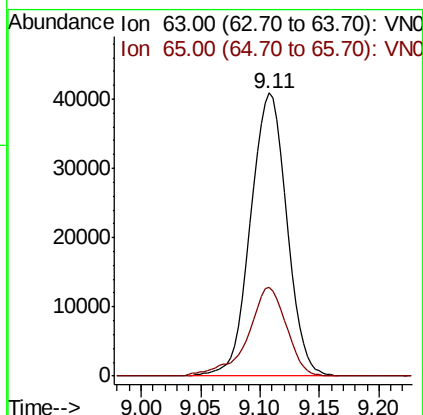
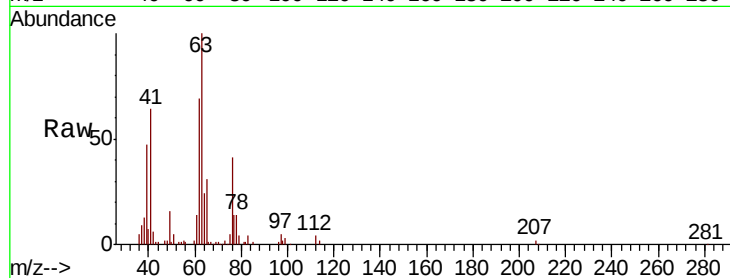




#39
 1,2-Dichloropropane
 Concen: 21.812 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

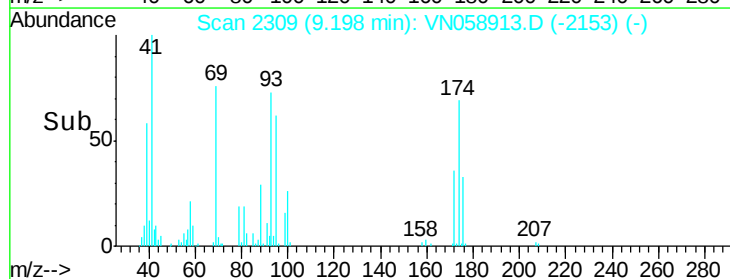
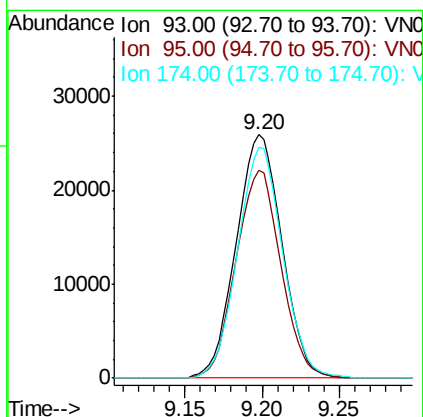
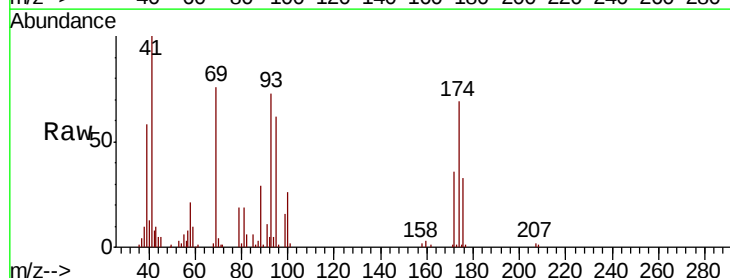
Instrument :
 MSVOA_N
 ClientSampleId :

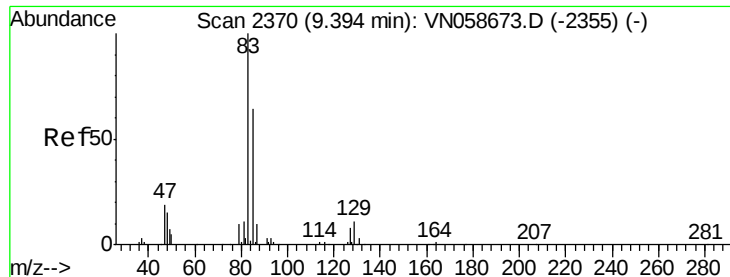
Tot Ion: 63 Resp: 86516
 Ion Ratio Lower Upper
 63 100
 65 31.3 23.8 35.6



#40
 Dibromomethane
 Concen: 21.317 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion: 93 Resp: 53375
 Ion Ratio Lower Upper
 93 100
 95 83.7 0.0 167.6
 174 93.6 0.0 187.2





#41

Bromodichloromethane

Concen: 21.517 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

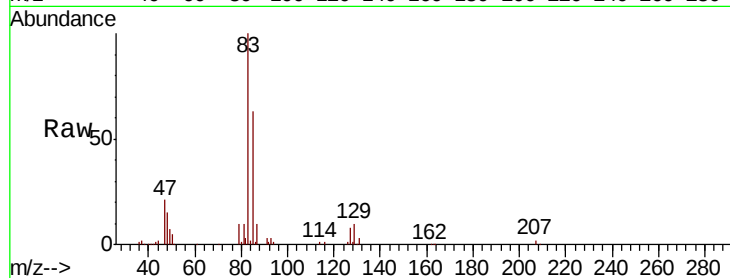
Tot Ion: 83 Resp: 110066

Ion Ratio Lower Upper

83 100

85 62.6 51.0 76.4

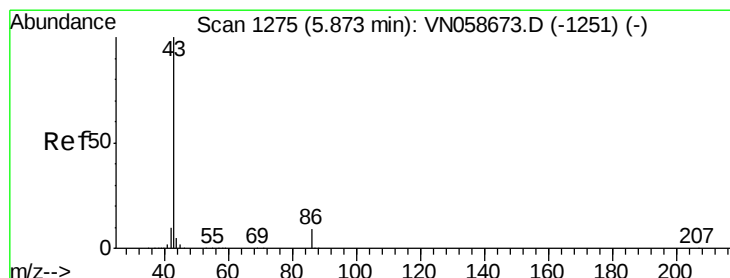
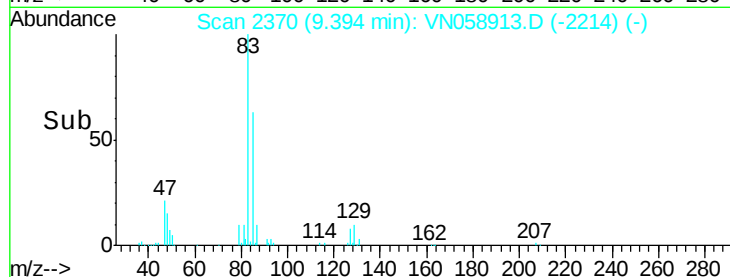
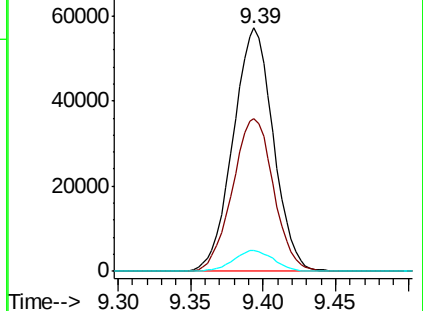
127 8.4 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VN058673.D (-2355) (-)

Ion 85.00 (84.70 to 85.70): VN058673.D (-2355) (-)

Ion 127.00 (126.70 to 127.70): VN058673.D (-2355) (-)



#42

Vinyl Acetate

Concen: 109.655 ug/l

RT: 5.87 min Scan# 1275

Delta R.T. 0.00 min

Lab File: VN058913.D

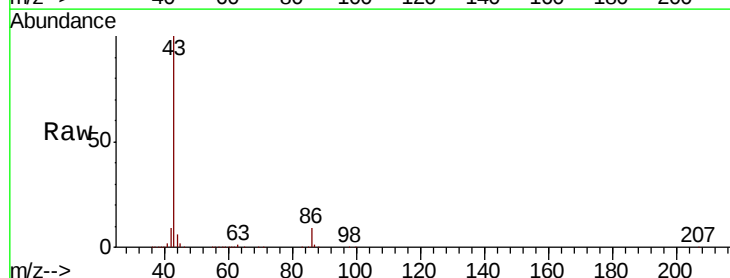
Acq: 22 Oct 2019 16:52

Tgt Ion: 43 Resp: 1069873

Ion Ratio Lower Upper

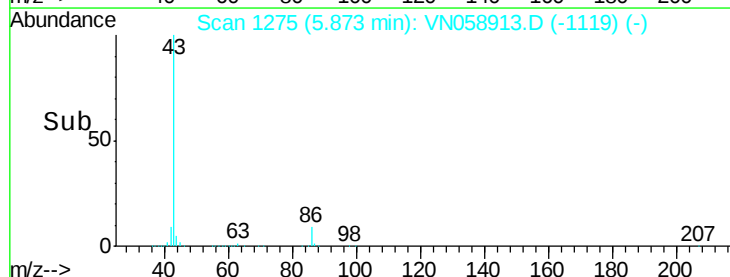
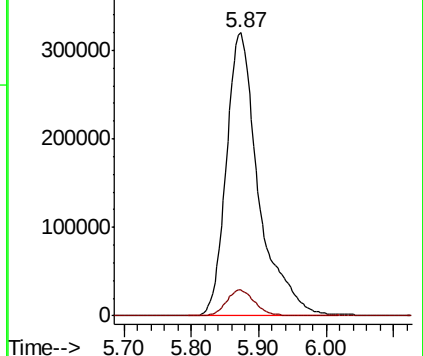
43 100

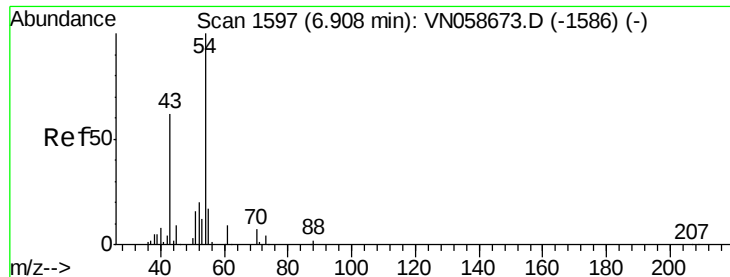
86 8.1 6.5 9.7



Abundance Ion 43.00 (42.70 to 43.70): VN058673.D (-1251) (-)

Ion 86.00 (85.70 to 86.70): VN058673.D (-1251) (-)

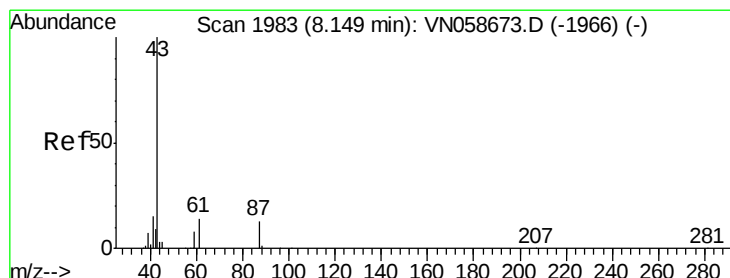
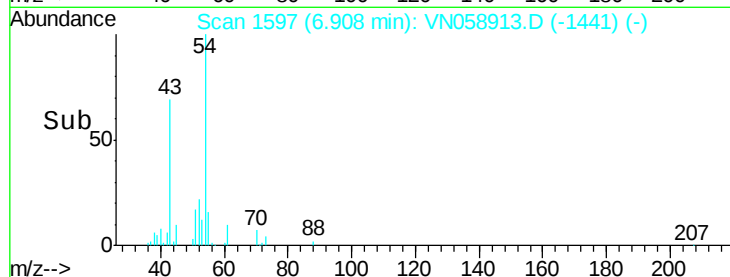
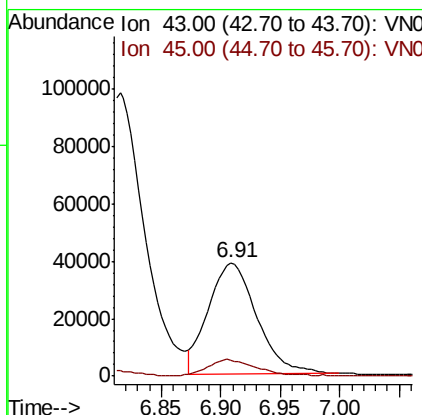
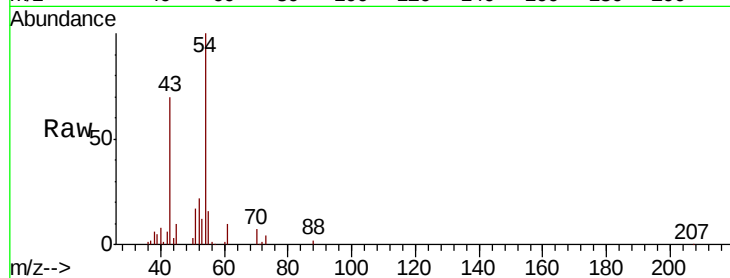




#43
Ethyl Acetate
Concen: 19.855 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

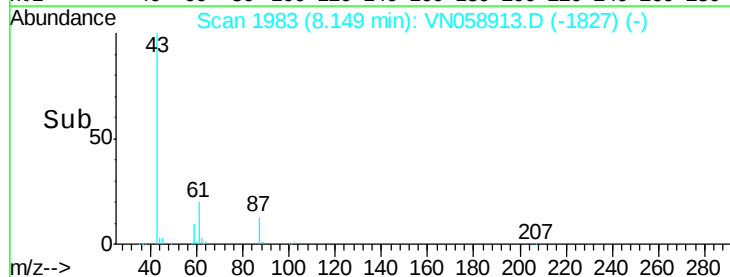
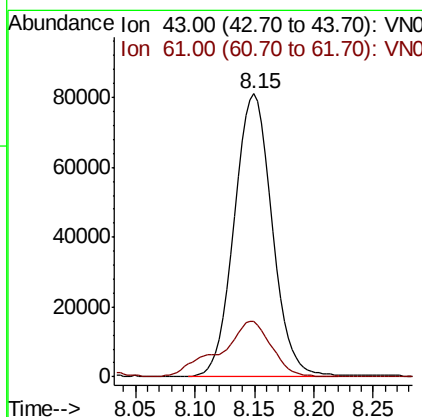
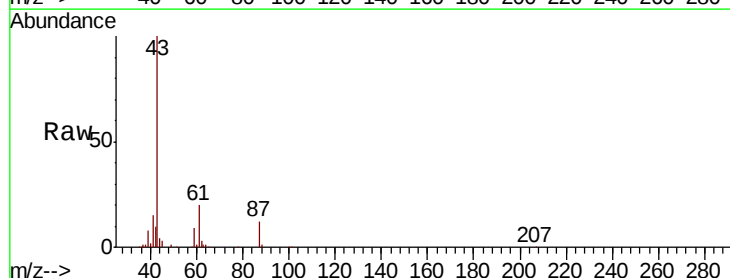
Instrument :
MSVOA_N
ClientSampleId :

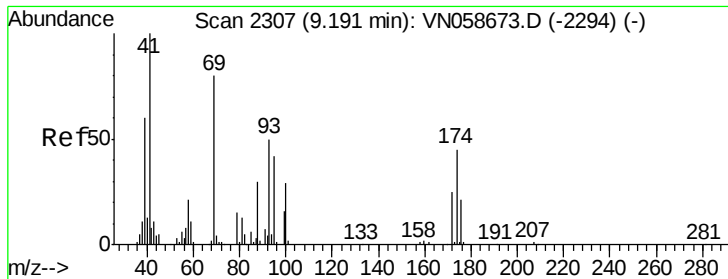
Tot Ion: 43 Resp: 108567
Ion Ratio Lower Upper
43 100
45 13.6 9.7 14.5



#44
Isopropyl Acetate
Concen: 20.102 ug/l
RT: 8.15 min Scan# 1983
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 43 Resp: 178044
Ion Ratio Lower Upper
43 100
61 20.1 19.9 29.9

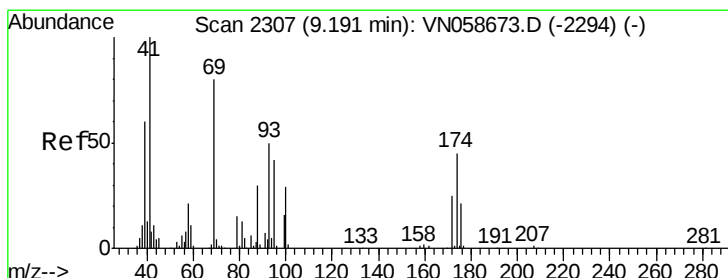
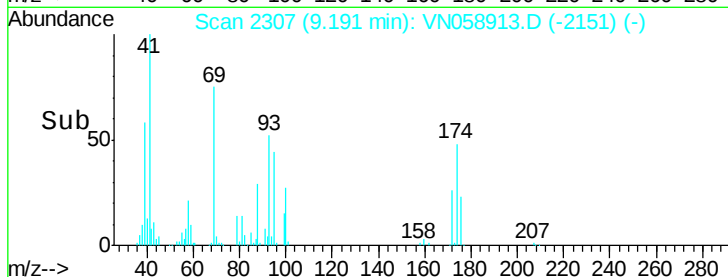
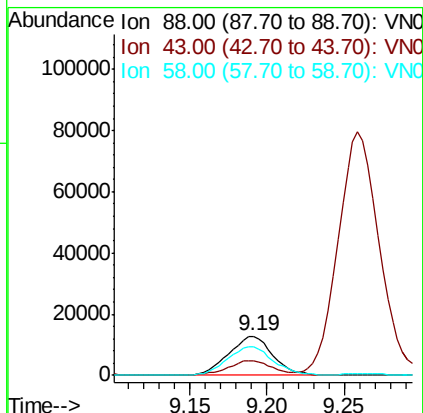
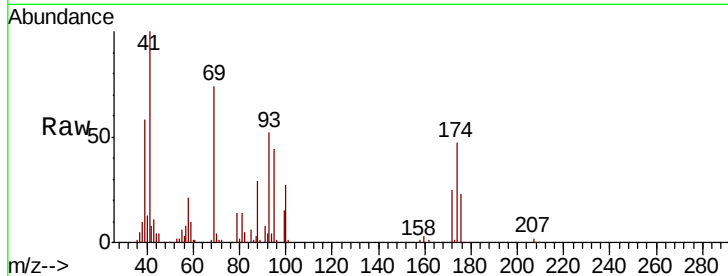




#45
 1,4-Dioxane
 Concen: 375.015 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

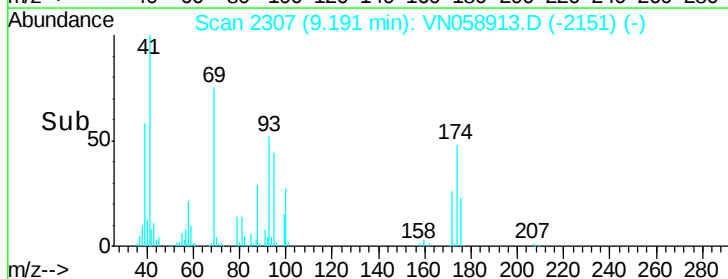
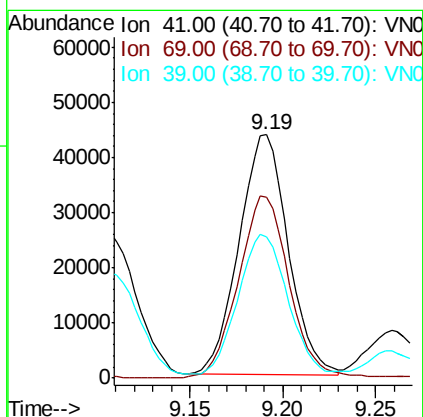
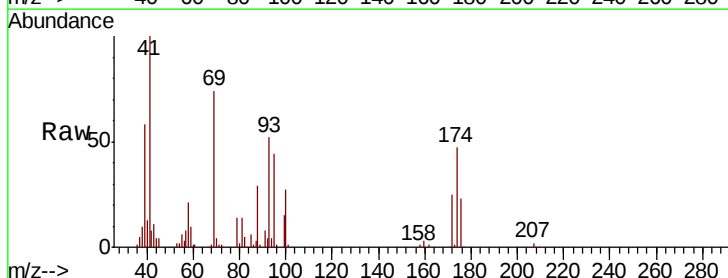
Instrument :
 MSVOA_N
 ClientSampleId :

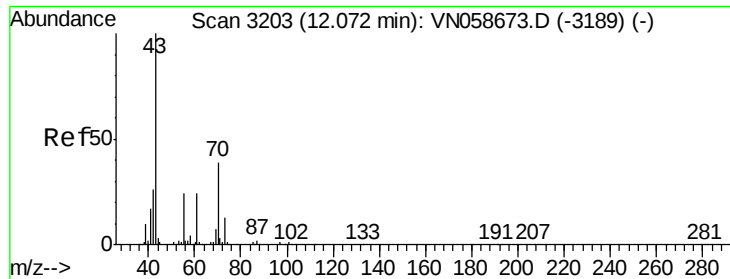
Tot Ion: 88 Resp: 25505
 Ion Ratio Lower Upper
 88 100
 43 37.5 29.8 44.8
 58 75.7 58.2 87.4



#46
 Methyl methacrylate
 Concen: 19.688 ug/l
 RT: 9.19 min Scan# 2307
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion: 41 Resp: 80055
 Ion Ratio Lower Upper
 41 100
 69 75.1 40.2 120.5
 39 57.3 29.9 89.8

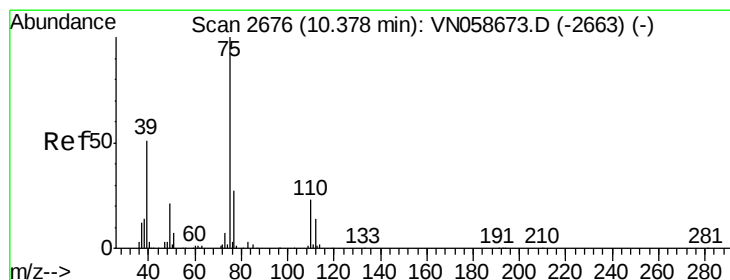
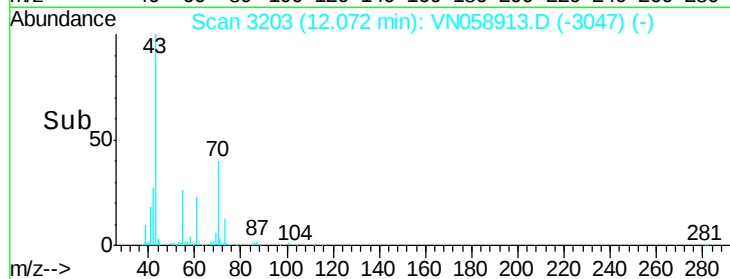
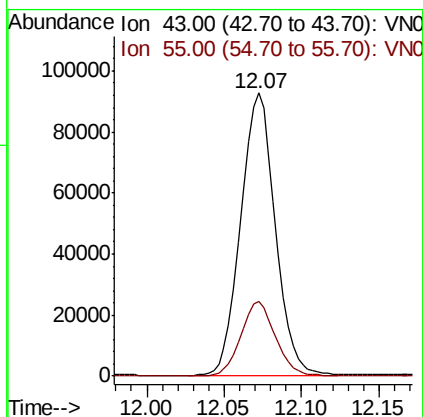
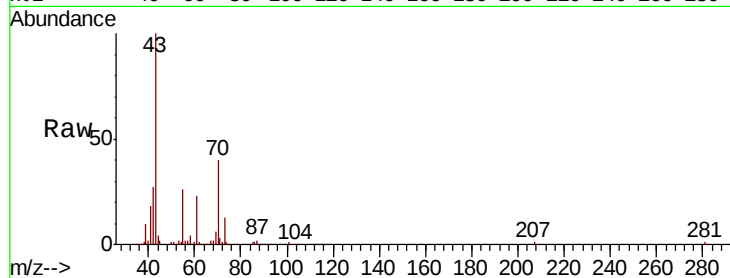




#47
 n-amvl Acetate
 Concen: 18.291 ug/l
 RT: 12.07 min Scan# 3203
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

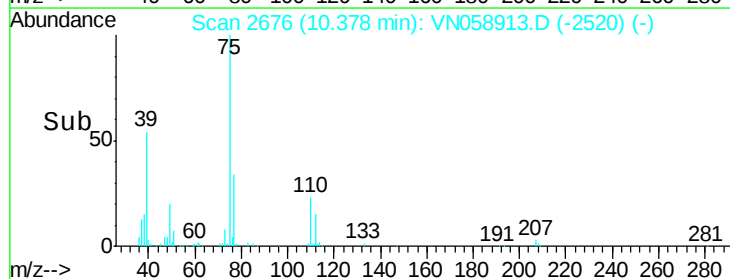
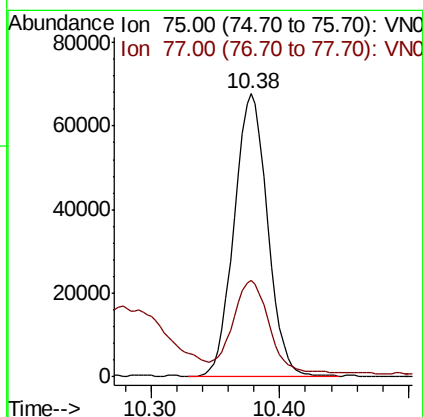
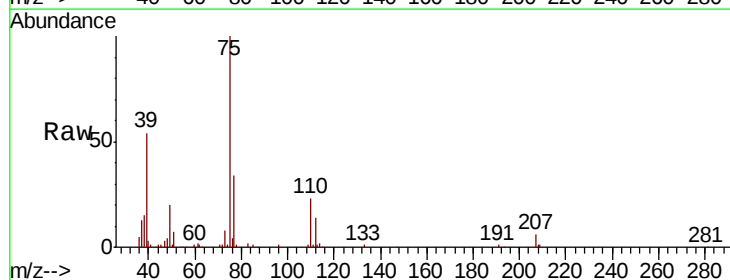
Instrument :
 MSVOA_N
 ClientSampleId :

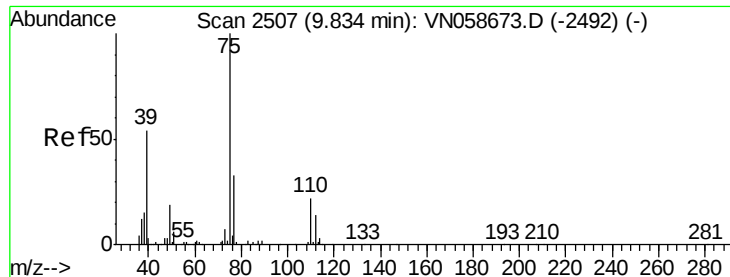
Tot Ion: 43 Resp: 143610
 Ion Ratio Lower Upper
 43 100
 55 26.7 19.6 29.4



#48
 t-1,3-Dichloropropene
 Concen: 20.447 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion: 75 Resp: 121299
 Ion Ratio Lower Upper
 75 100
 77 32.6 27.0 40.4



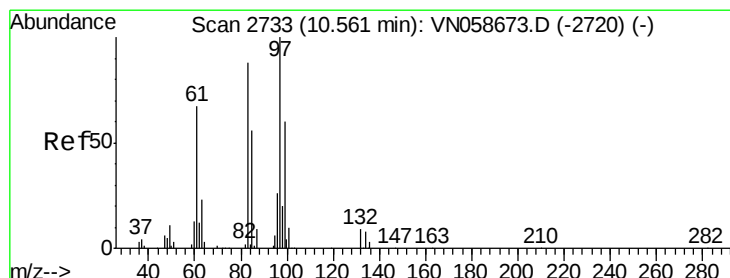
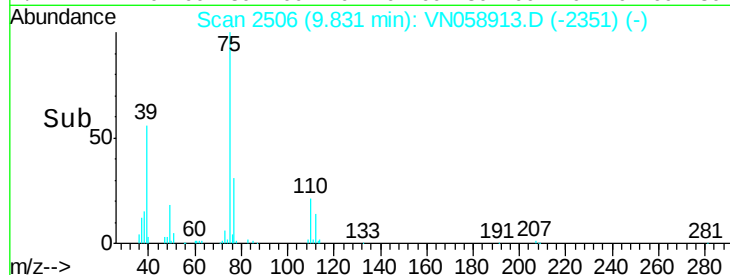
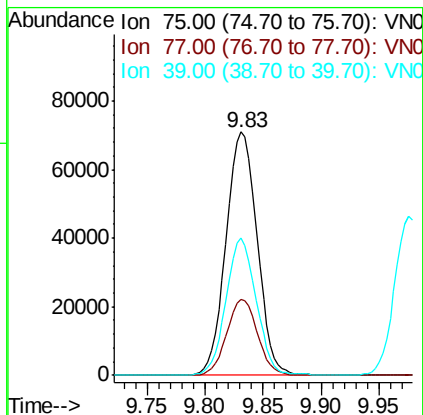
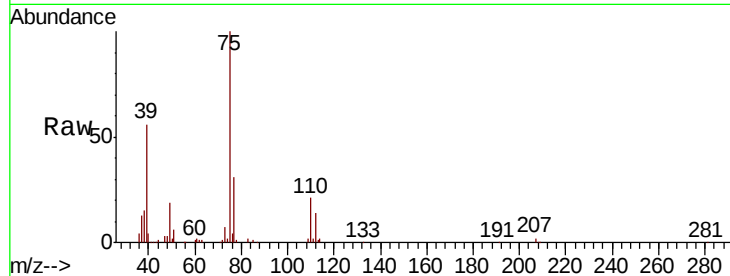


#49

cis-1,3-Dichloropropene
Concen: 21.196 ug/l
RT: 9.83 min Scan# 2506
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Instrument :
MSVOA_N
ClientSampleId :

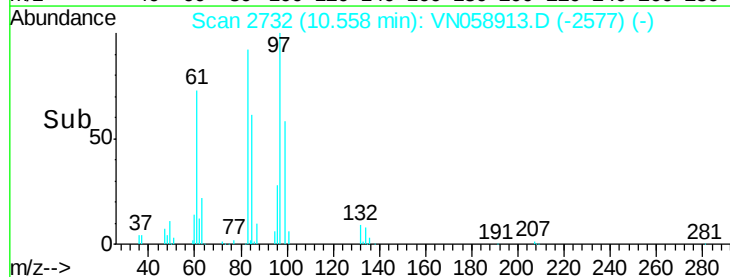
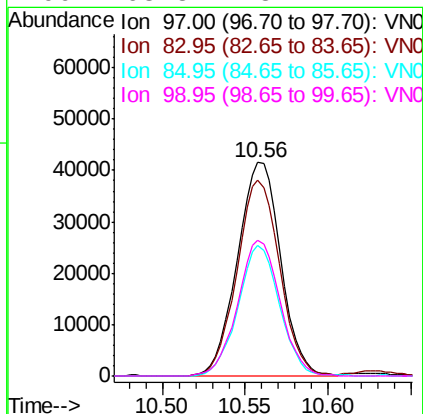
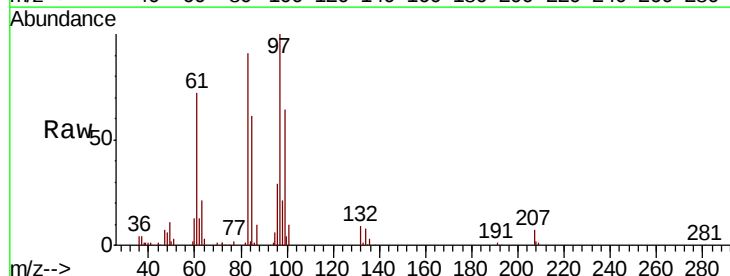
Tot Ion	Ratio	Lower	Upper
75	100		
77	31.0	26.1	39.1
39	56.0	43.1	64.7

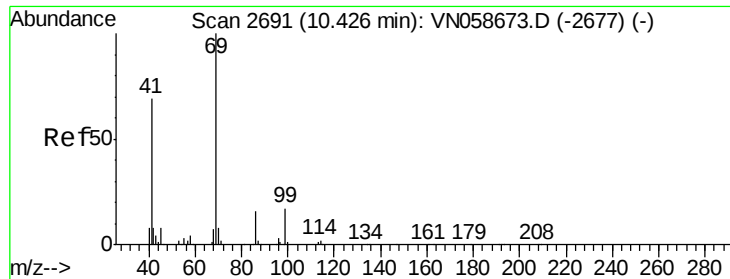


#50

1,1,2-Trichloroethane
Concen: 21.133 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
97	100		
83	91.4	70.7	106.1
85	61.0	45.1	67.7
99	63.8	48.2	72.4





#51

Ethyl methacrylate

Concen: 19.214 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

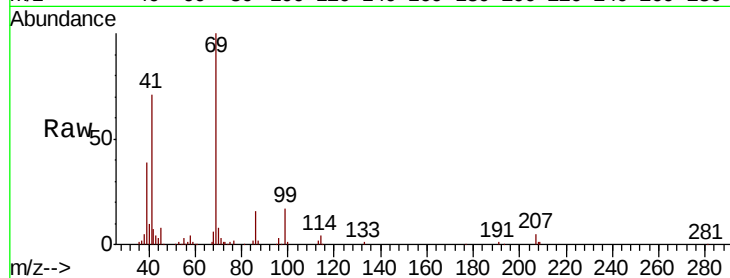
Tot Ion: 69 Resp: 109822

Ion Ratio Lower Upper

69 100

41 70.8 34.7 104.1

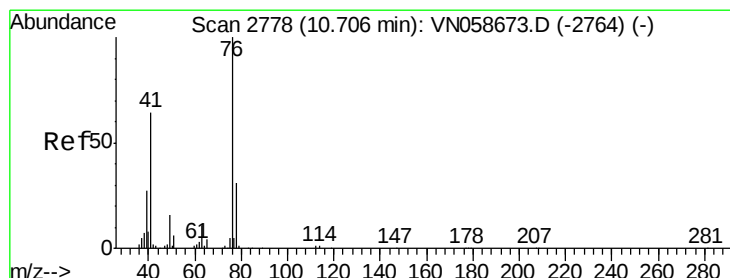
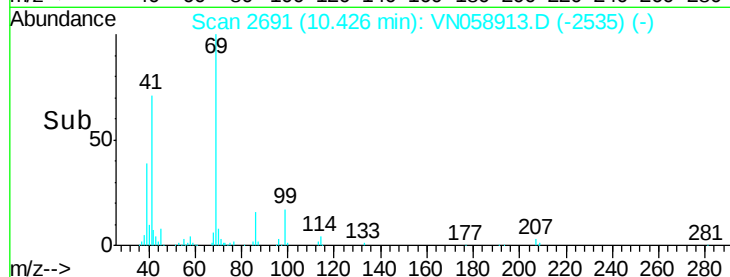
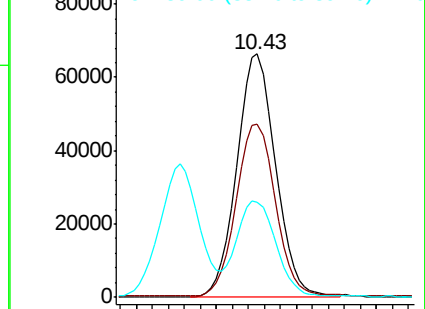
39 38.7 20.3 60.8



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#52

1,3-Dichloropropane

Concen: 21.084 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058913.D

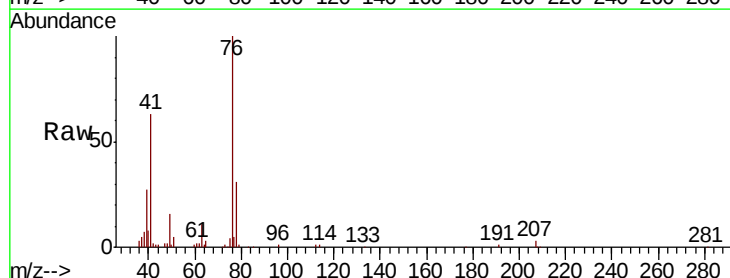
Acq: 22 Oct 2019 16:52

Tgt Ion: 76 Resp: 134213

Ion Ratio Lower Upper

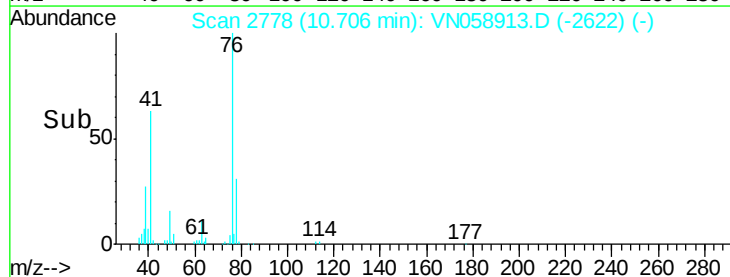
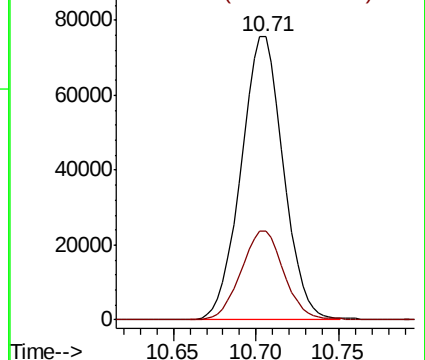
76 100

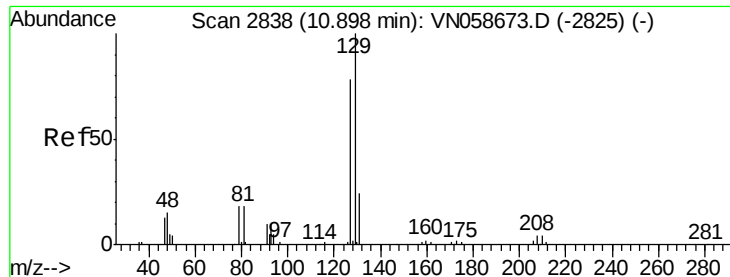
78 31.8 0.0 63.2



Abundance Ion 76.00 (75.70 to 76.70): VN0

Ion 78.00 (77.70 to 78.70): VN0





#53

Dibromochloromethane

Concen: 21.091 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

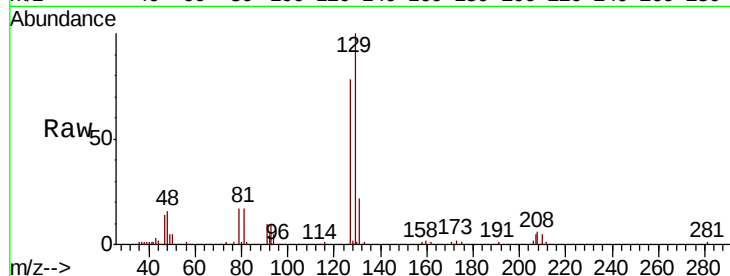
ClientSampled :

Tot Ion:129 Resp: 80906

Ion Ratio Lower Upper

129 100

127 77.0 39.1 117.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

10.90

50000

40000

30000

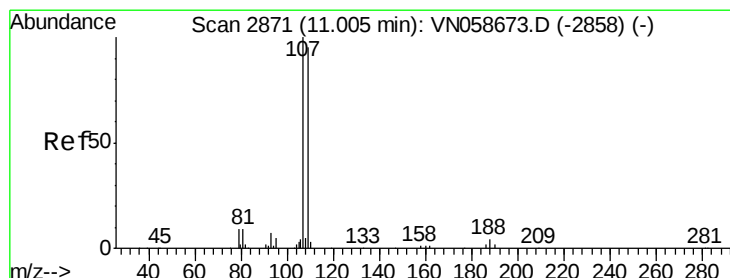
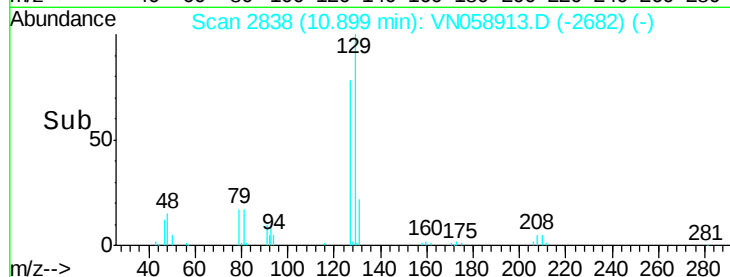
20000

10000

0

Time-->

10.85 10.90 10.95



#54

1,2-Dibromoethane

Concen: 20.882 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058913.D

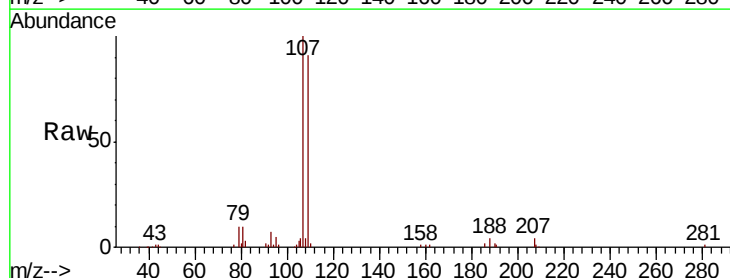
Acq: 22 Oct 2019 16:52

Tgt Ion:107 Resp: 77368

Ion Ratio Lower Upper

107 100

109 93.6 76.2 114.4



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

11.00

50000

40000

30000

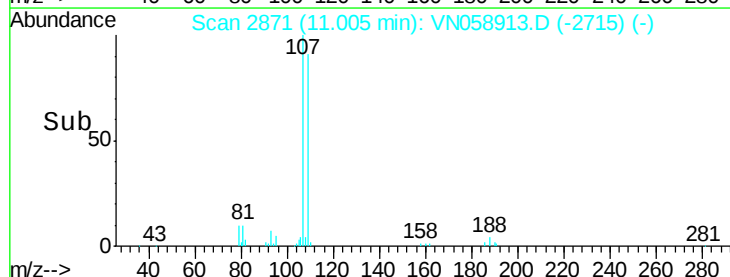
20000

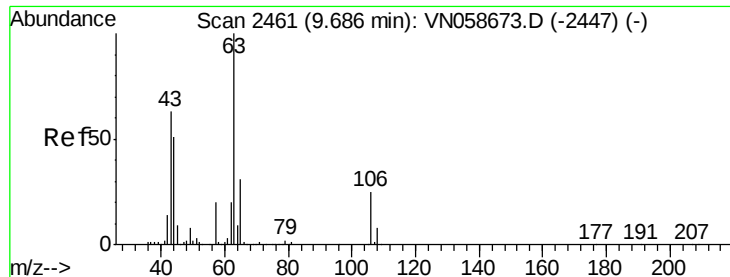
10000

0

Time-->

10.95 11.00 11.05





#55

2-Chloroethyl vinyl ether

Concen: 92.401 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

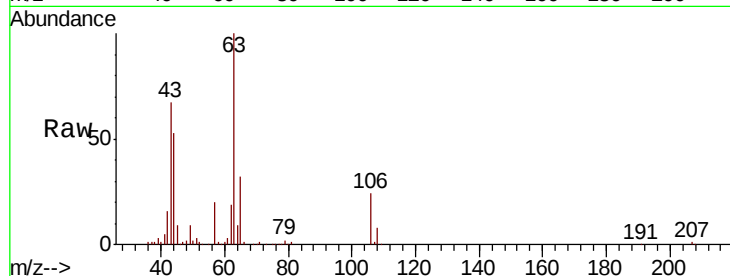
Tot Ion: 63 Resp: 262706

Ion Ratio Lower Upper

63 100

65 31.9 25.3 37.9

106 24.8 19.8 29.6

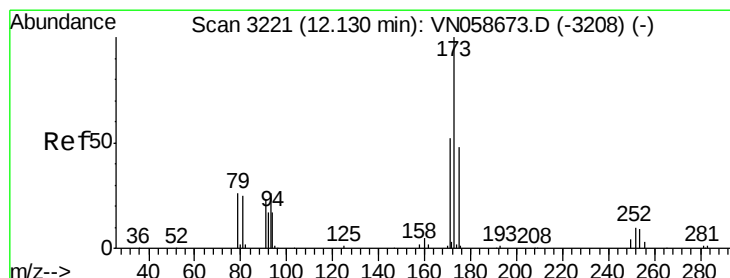
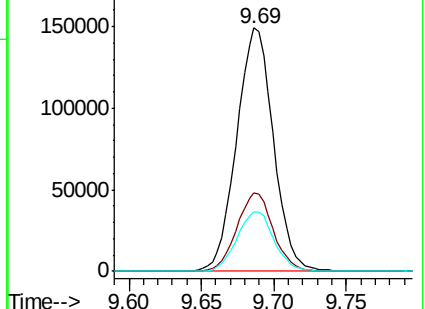
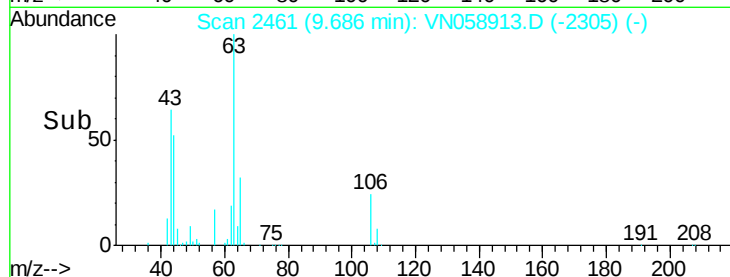


Abundance Ion 63.00 (62.70 to 63.70): VN058673.D (-2447) (-)

Ion 65.00 (64.70 to 65.70): VN058673.D (-2447) (-)

Ion 106.00 (105.70 to 106.70): VN058673.D (-2447) (-)

Time-->



#56

Bromoform

Concen: 20.907 ug/l

RT: 12.13 min Scan# 3221

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

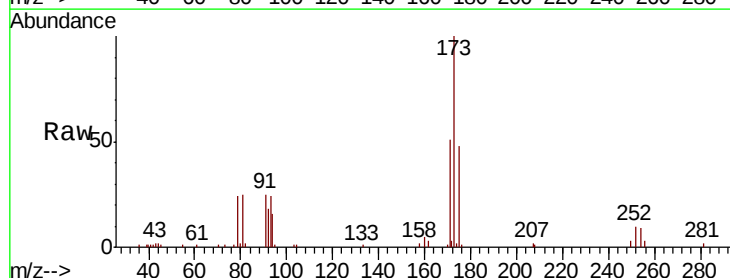
Tgt Ion: 173 Resp: 55869

Ion Ratio Lower Upper

173 100

175 49.7 38.7 58.1

254 8.9 7.4 11.2

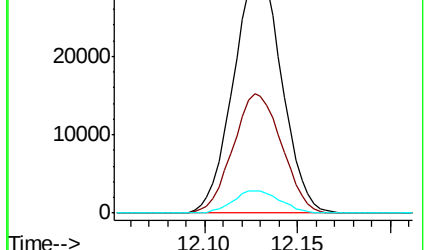
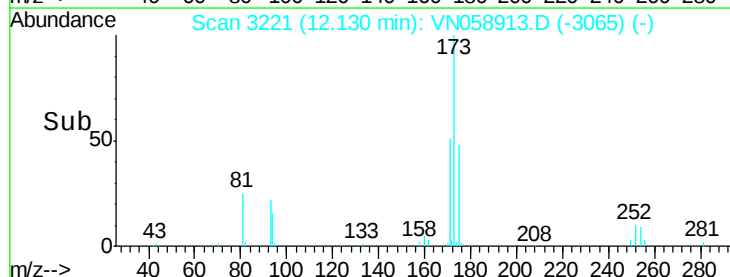


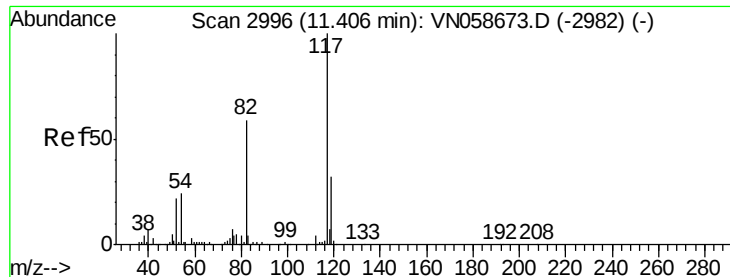
Abundance Ion 173.00 (172.70 to 173.70): VN058673.D (-3208) (-)

Ion 175.00 (174.70 to 175.70): VN058673.D (-3208) (-)

Ion 254.00 (253.70 to 254.70): VN058673.D (-3208) (-)

Time-->

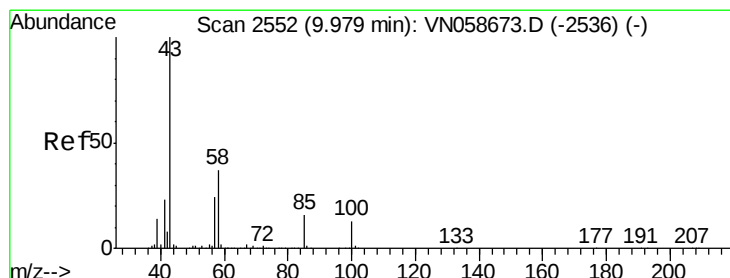
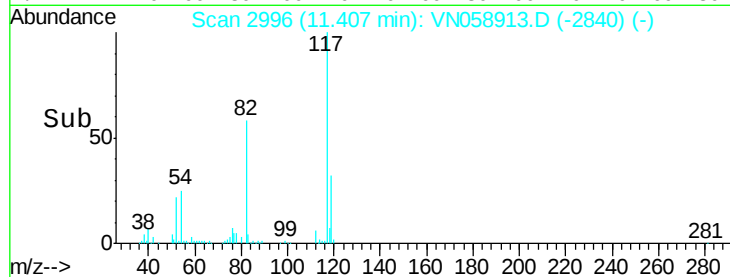
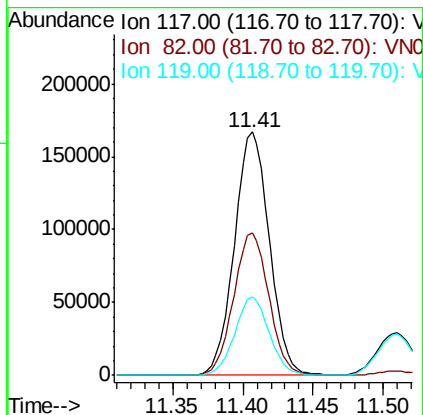
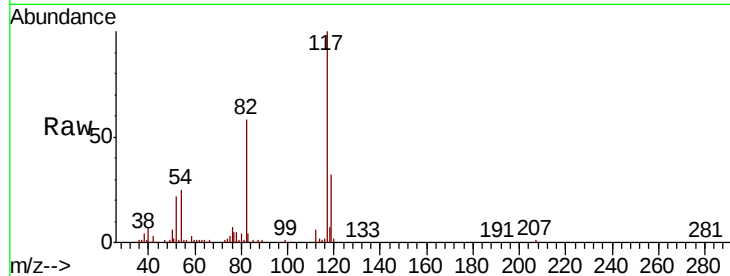




#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

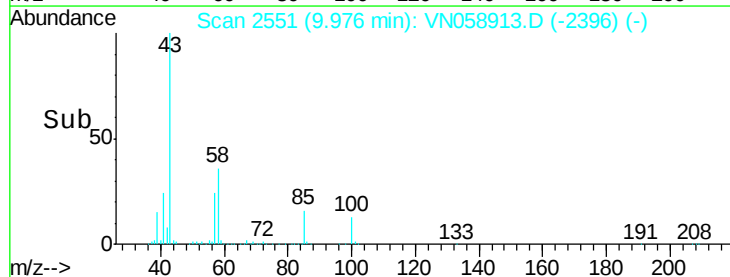
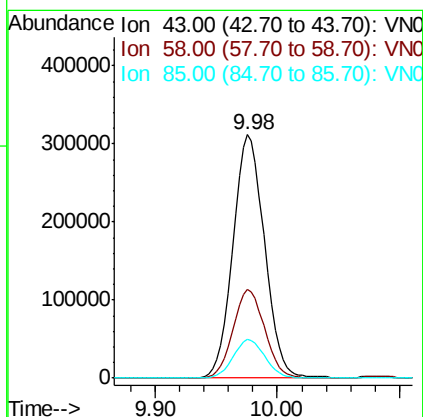
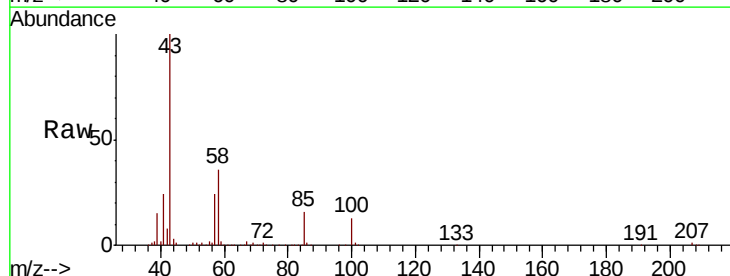
Instrument :
MSVOA_N
ClientSampleId :

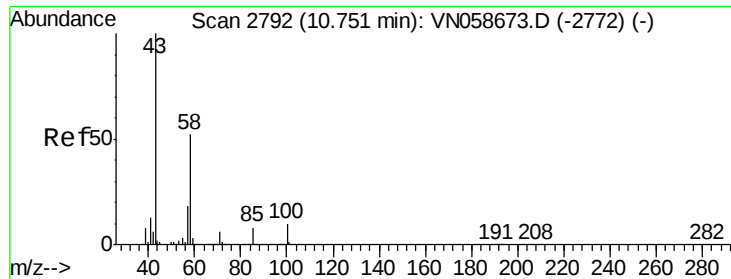
Tot Ion:117 Resp: 290792
Ion Ratio Lower Upper
117 100
82 58.8 46.9 70.3
119 31.6 25.8 38.6



#58
4-Methyl-2-Pentanone
Concen: 105.336 ug/l
RT: 9.98 min Scan# 2551
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 43 Resp: 558789
Ion Ratio Lower Upper
43 100
58 36.5 30.1 45.1
85 15.9 13.2 19.8

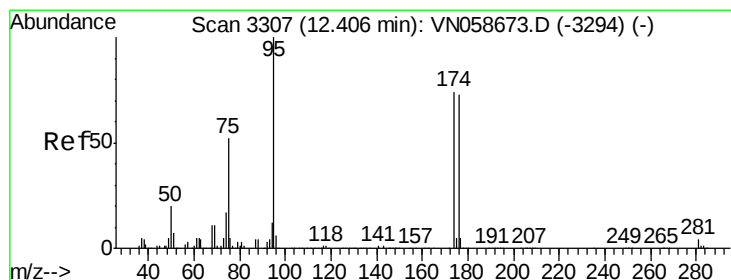
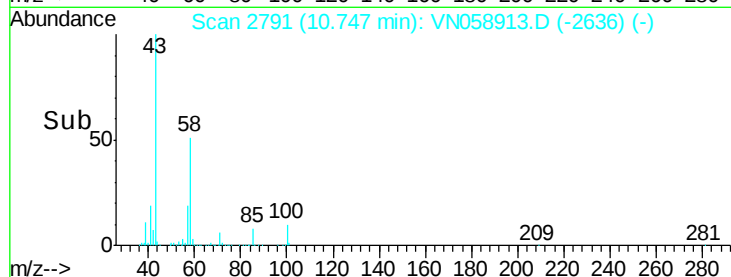
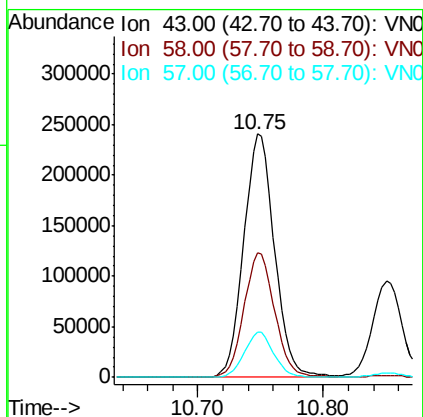
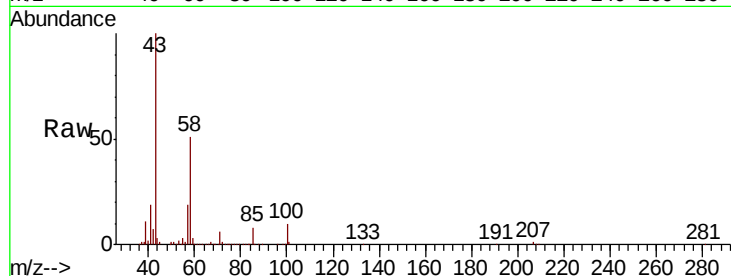




#59
2-Hexanone
Concen: 99.247 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

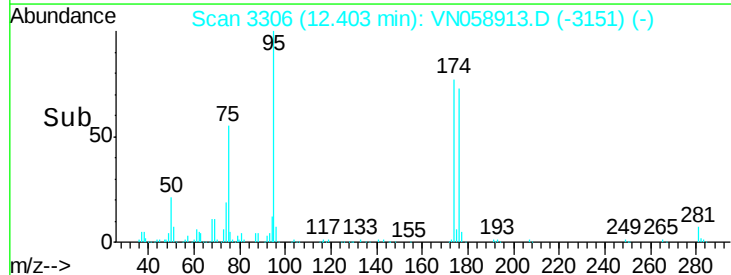
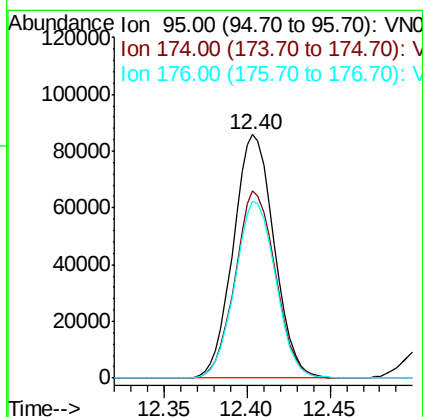
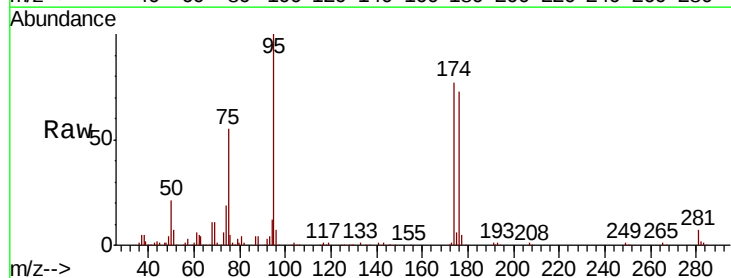
Instrument :
MSVOA_N
ClientSampled :

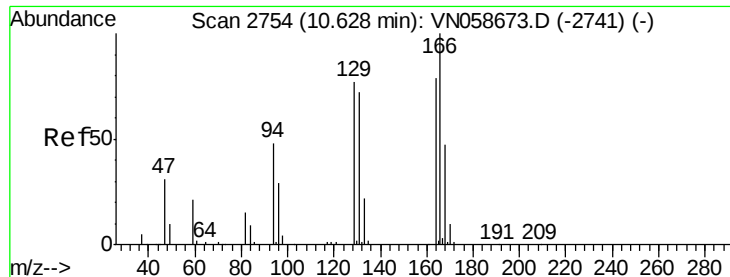
Tot Ion: 43 Resp: 412750
Ion Ratio Lower Upper
43 100
58 50.8 41.4 62.0
57 18.0 14.7 22.1



#60
4-Bromofluorobenzene
Concen: 28.854 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 95 Resp: 146770
Ion Ratio Lower Upper
95 100
174 76.2 59.9 89.9
176 72.6 58.3 87.5





#61

Tetrachloroethene

Concen: 20.791 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion:164 Resp: 65332

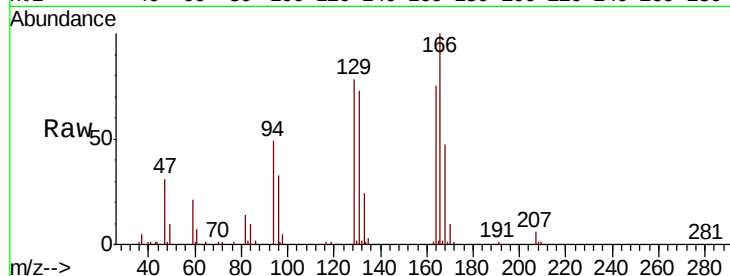
Ion Ratio Lower Upper

164 100

166 133.0 101.4 152.2

129 103.6 78.1 117.1

131 97.5 73.2 109.8

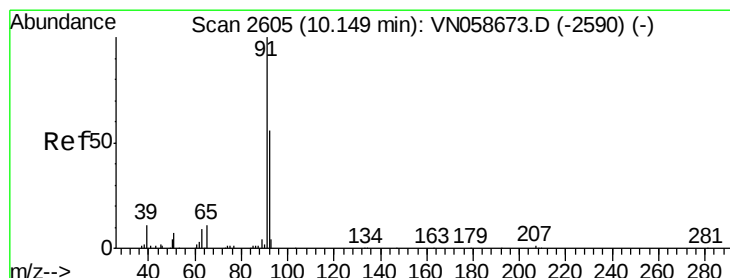
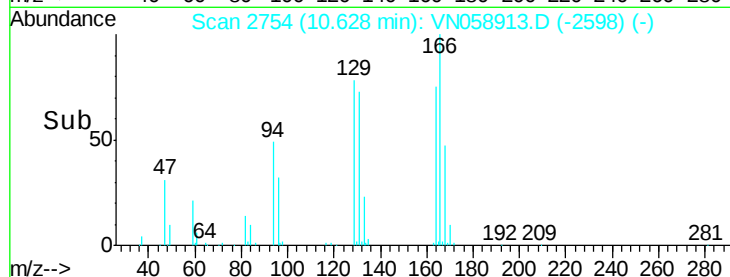
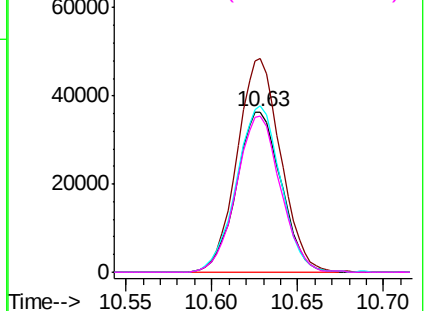


Abundance Ion 163.85 (163.55 to 164.55): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.90 (128.60 to 129.60): V

Ion 130.90 (130.60 to 131.60): V



#62

Toluene

Concen: 20.988 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058913.D

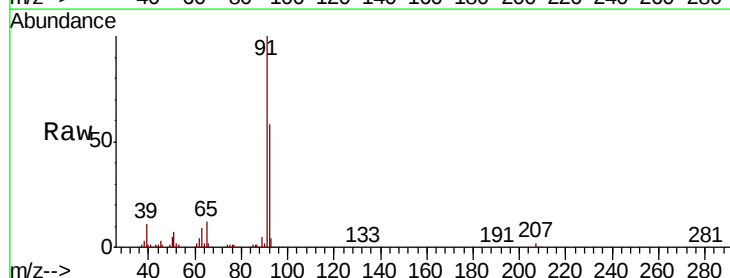
Acq: 22 Oct 2019 16:52

Tgt Ion: 91 Resp: 328292

Ion Ratio Lower Upper

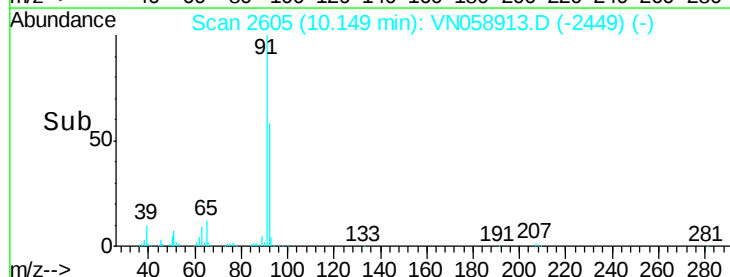
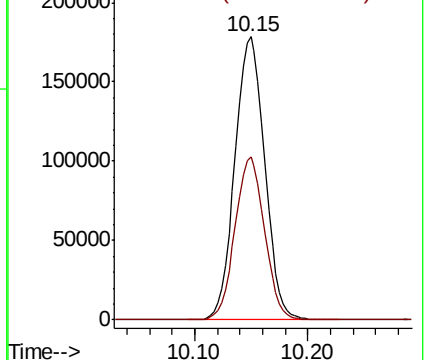
91 100

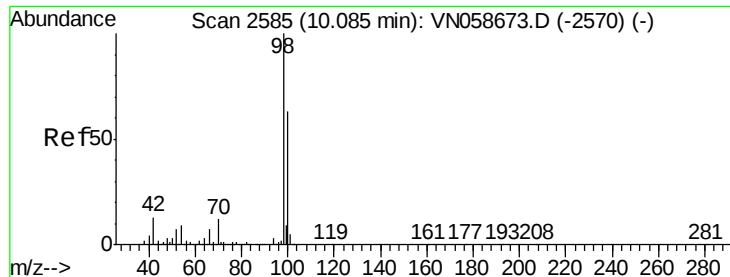
92 56.8 45.4 68.2



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V





#63

Toluene-d8

Concen: 30.536 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

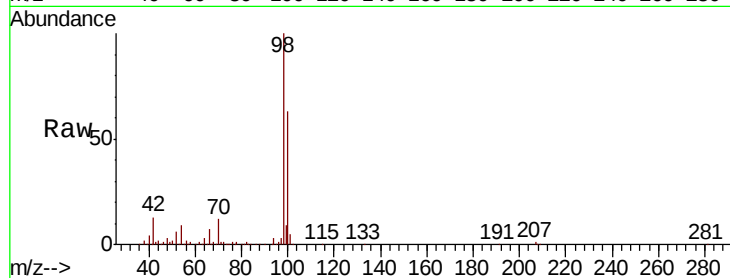
ClientSampled :

Tot Ion: 98 Resp: 419256

Ion Ratio Lower Upper

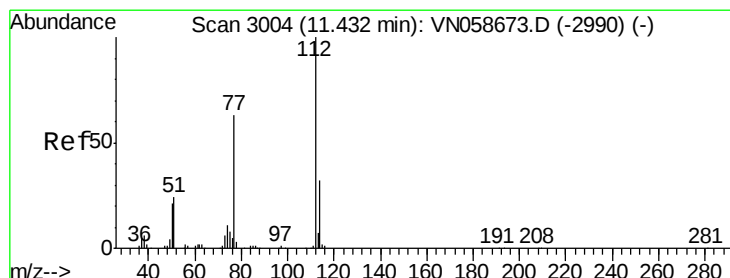
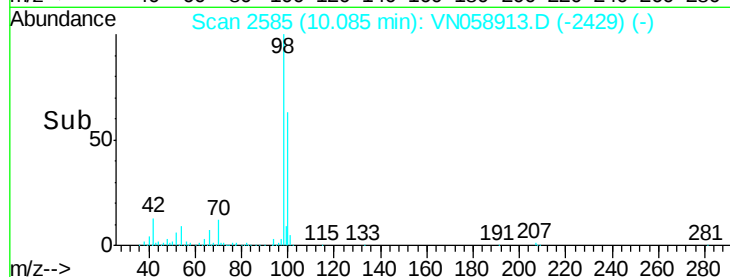
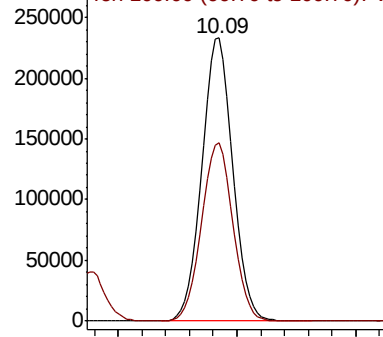
98 100

100 64.0 50.6 75.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#64

Chlorobenzene

Concen: 20.508 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. 0.00 min

Lab File: VN058913.D

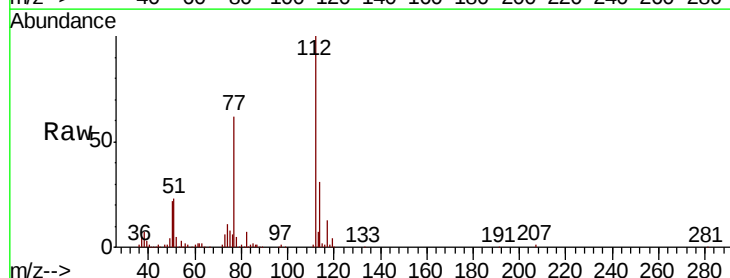
Acq: 22 Oct 2019 16:52

Tgt Ion: 112 Resp: 196118

Ion Ratio Lower Upper

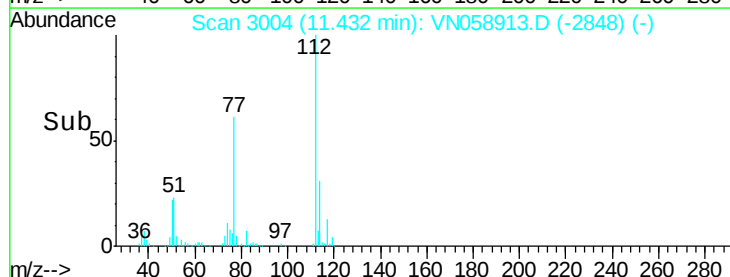
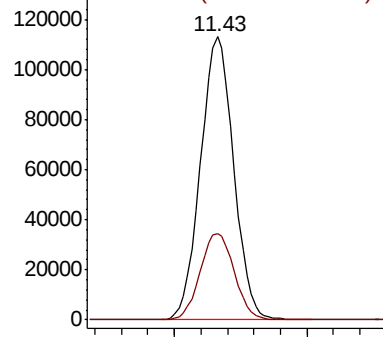
112 100

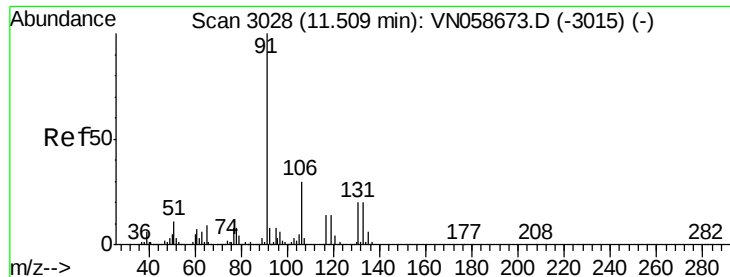
114 30.6 25.7 38.5



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V





#65

1,1,1,2-Tetrachloroethane

Concen: 20.430 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

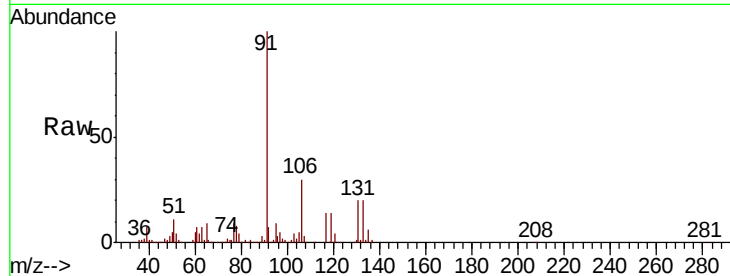
Tot Ion:131 Resp: 73258

Ion Ratio Lower Upper

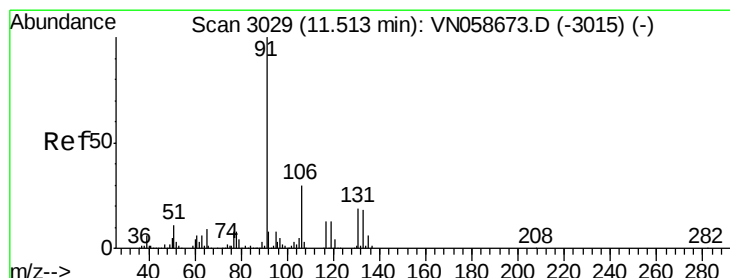
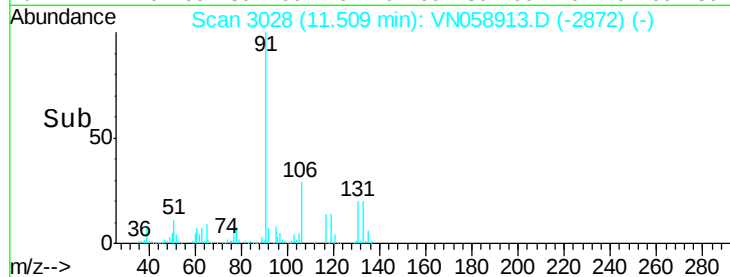
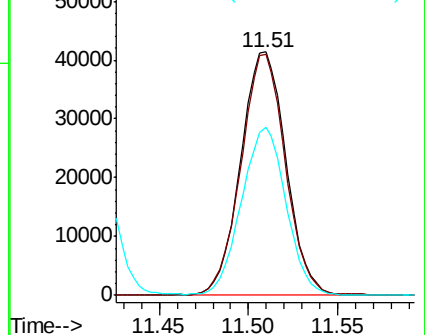
131 100

133 97.4 0.0 194.0

119 68.0 0.0 136.8



Abundance Ion 131.00 (130.70 to 131.70): V
Ion 133.00 (132.70 to 133.70): V
Ion 119.00 (118.70 to 119.70): V



#66

Ethyl Benzene

Concen: 20.149 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058913.D

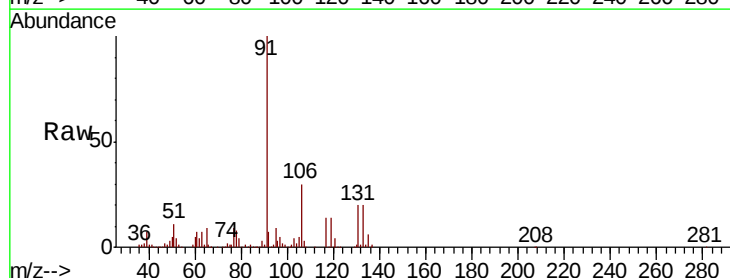
Acq: 22 Oct 2019 16:52

Tgt Ion: 91 Resp: 348993

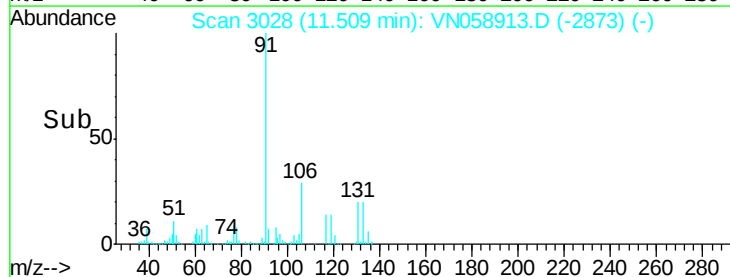
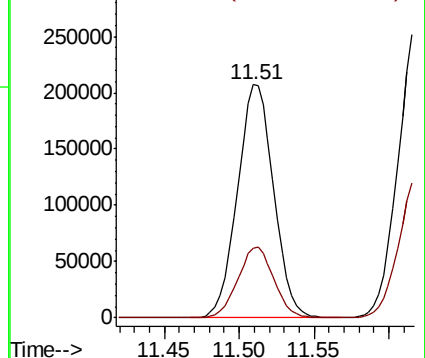
Ion Ratio Lower Upper

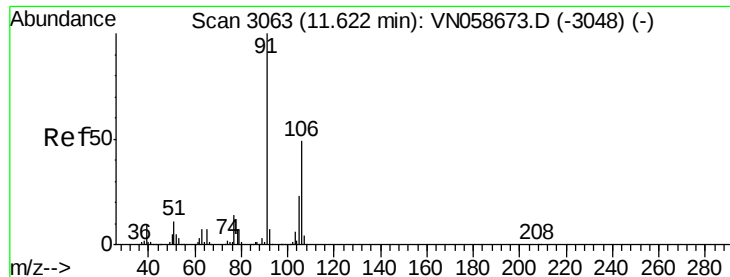
91 100

106 30.1 24.2 36.4



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 106.00 (105.70 to 106.70): V

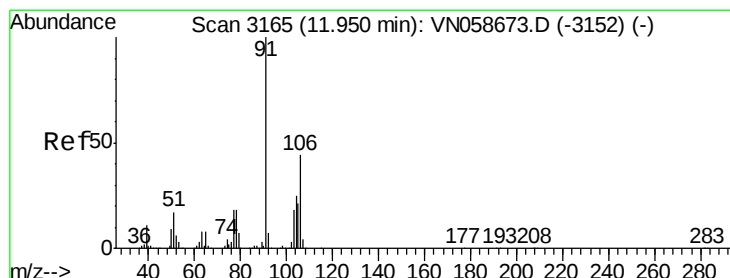
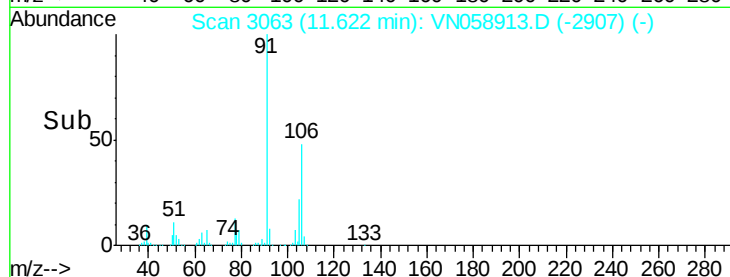
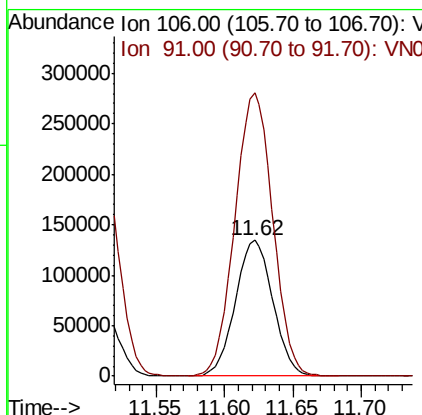
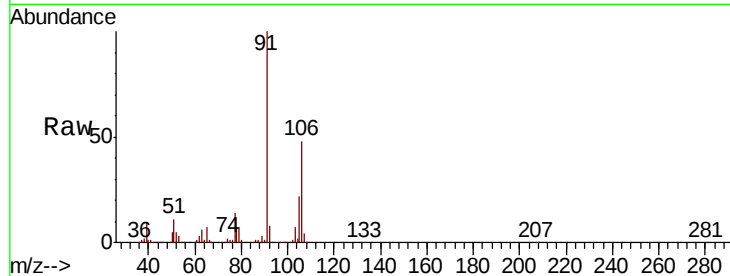




#67
m/p-Xylenes
Concen: 39.691 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

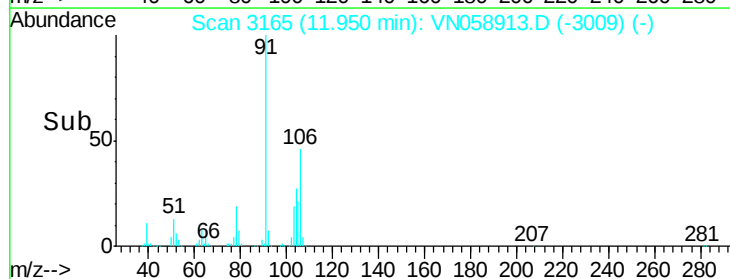
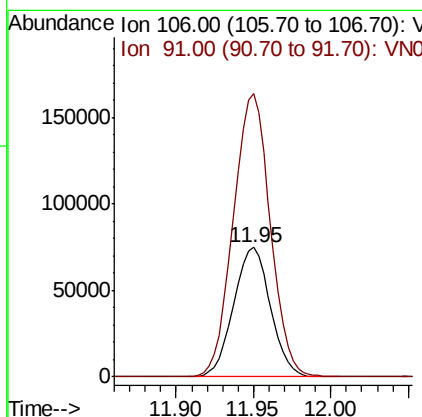
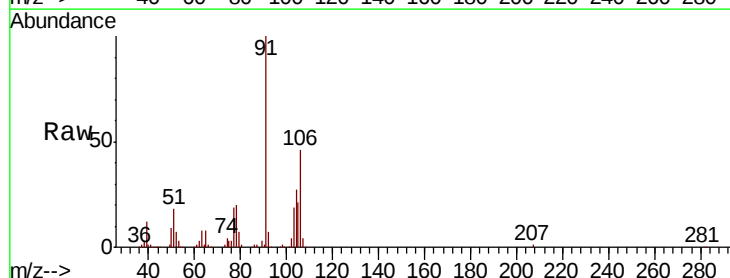
Instrument :
MSVOA_N
ClientSampleId :

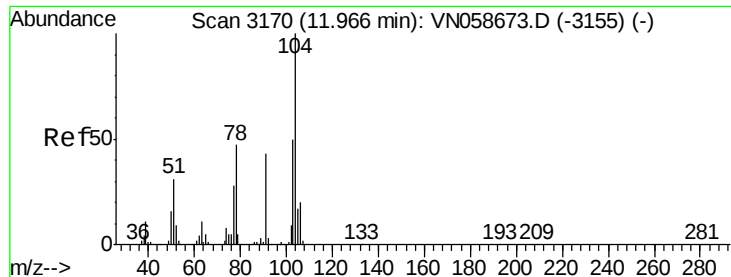
Tot Ion:106 Resp: 256835
Ion Ratio Lower Upper
106 100
91 210.8 165.6 248.4



#68
o-Xylene
Concen: 19.758 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion:106 Resp: 123946
Ion Ratio Lower Upper
106 100
91 219.5 109.8 329.4

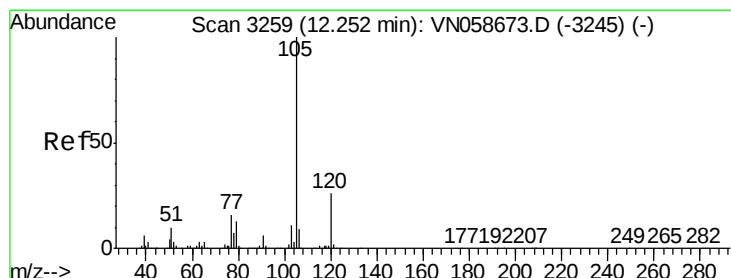
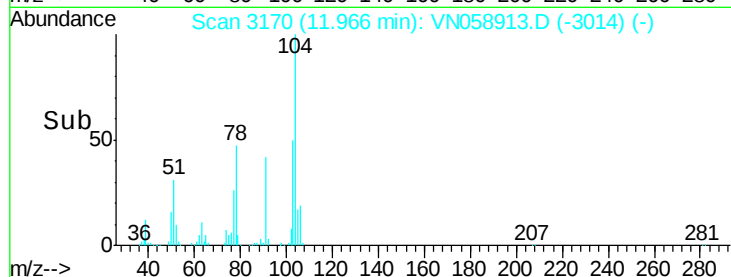
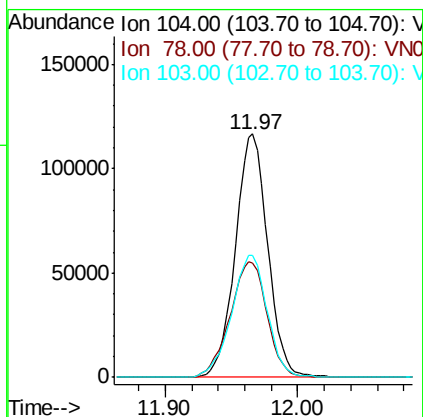
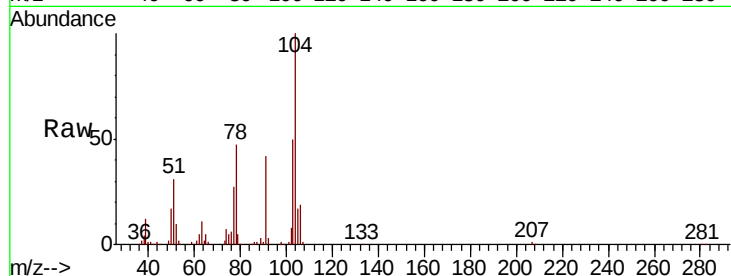




#69
Stvrene
Concen: 19.087 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

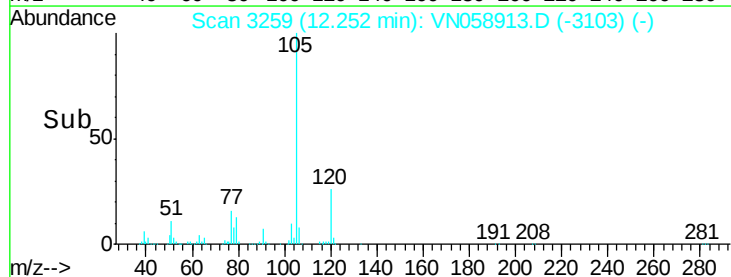
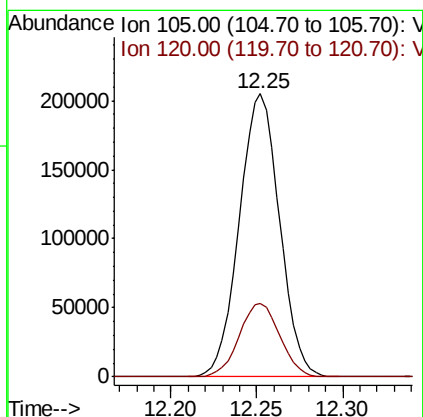
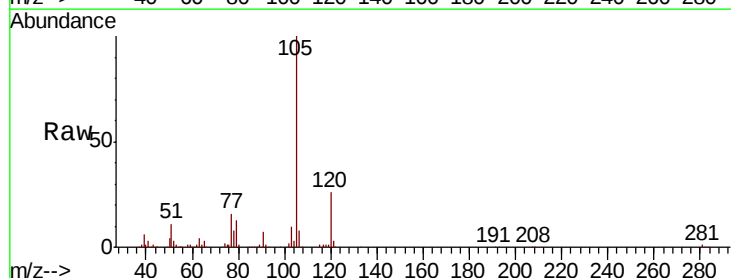
Instrument :
MSVOA_N
ClientSampled :

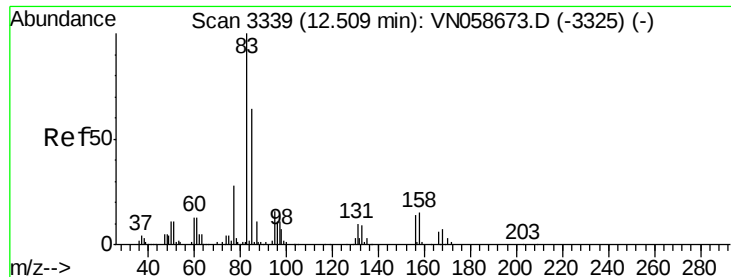
Tot Ion	Ion	Ratio	Lower	Upper
104	104	100		
78	78	54.4	42.4	63.6
103	103	55.4	44.6	66.8



#70
Isopropylbenzene
Concen: 19.708 ug/l
RT: 12.25 min Scan# 3259
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ion	Ratio	Lower	Upper
105	105	100		
120	120	26.3	18.4	34.2

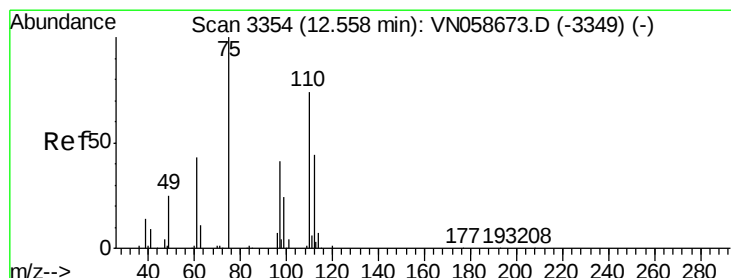
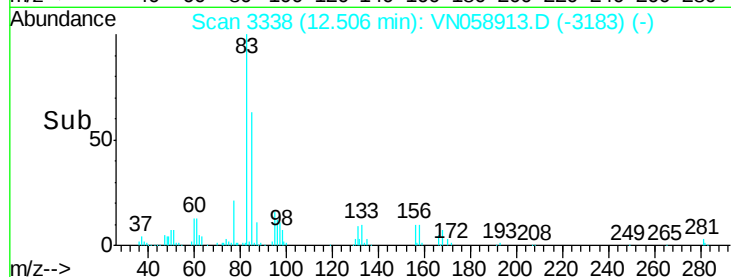
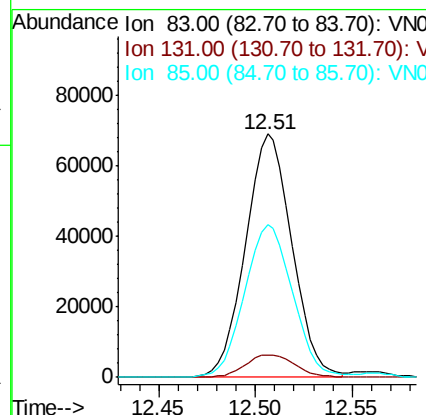
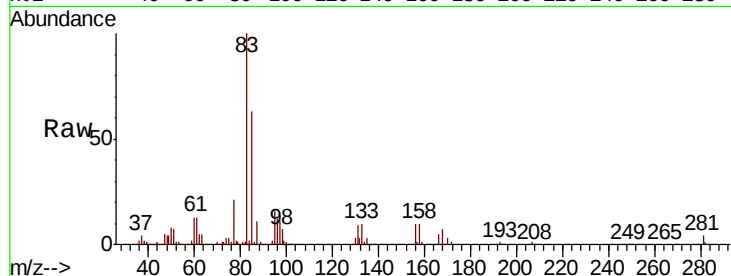




#71
 1,1,2,2-Tetrachloroethane
 Concen: 20.180 ug/l
 RT: 12.51 min Scan# 3338
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

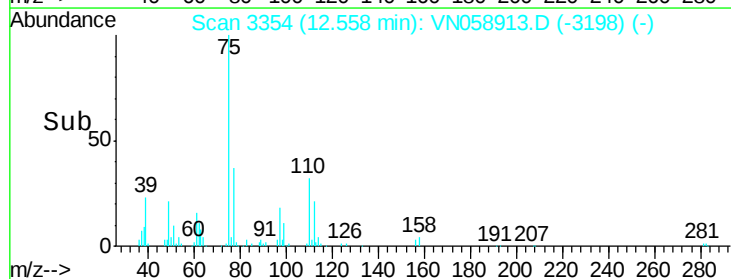
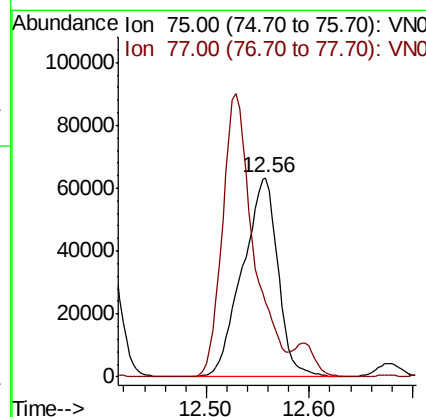
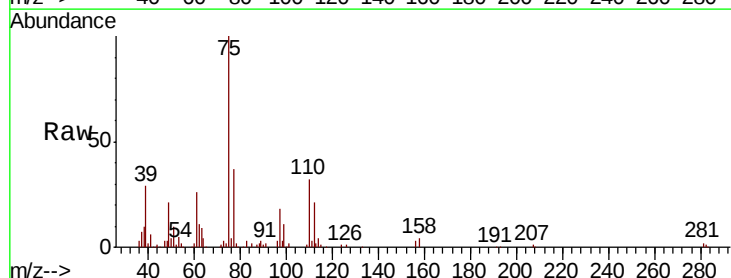
Instrument :
 MSVOA_N
 ClientSampleId :

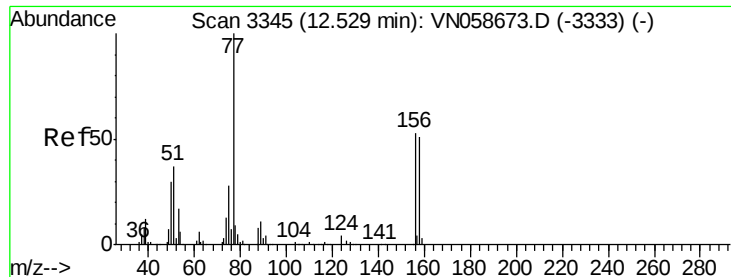
Tot Ion	83	Resp	115059
Ion Ratio	Lower	Upper	
83	100		
131	9.8	4.9	14.7
85	65.0	31.6	94.7



#72
 1,2,3-Trichloropropane
 Concen: 29.352 ug/l
 RT: 12.56 min Scan# 3354
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	75	Resp	151645
Ion Ratio	Lower	Upper	
75	100		
77	125.6	0.0	359.4





#73

Bromobenzene

Concen: 19.735 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

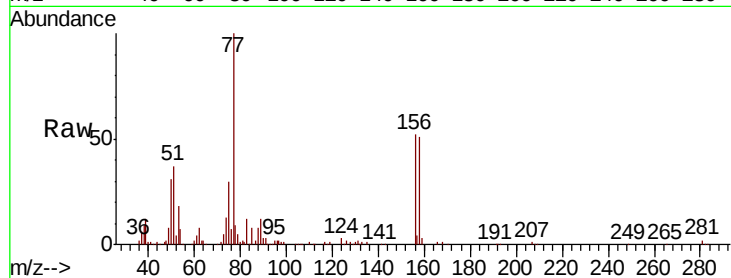
Tot Ion:156 Resp: 81183

Ion Ratio Lower Upper

156 100

77 234.6 0.0 456.0

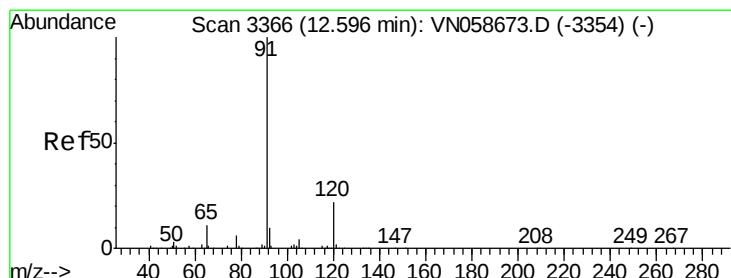
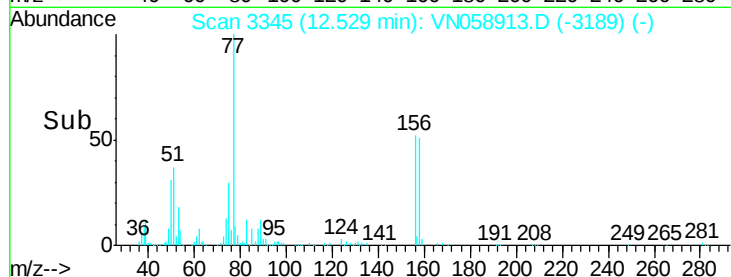
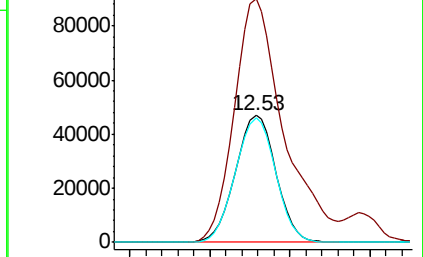
158 97.6 0.0 195.4



Abundance Ion 156.00 (155.70 to 156.70): V

Ion 77.00 (76.70 to 77.70): VN

Ion 158.00 (157.70 to 158.70): V



#74

n-propylbenzene

Concen: 20.240 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058913.D

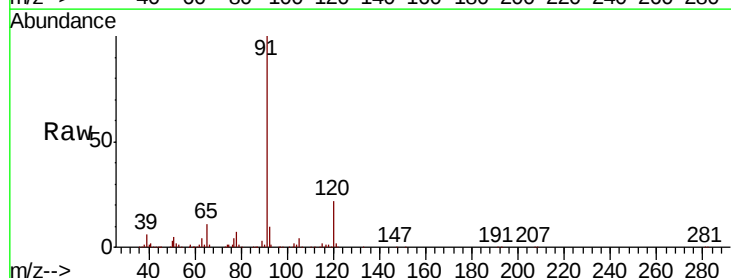
Acq: 22 Oct 2019 16:52

Tgt Ion: 91 Resp: 401233

Ion Ratio Lower Upper

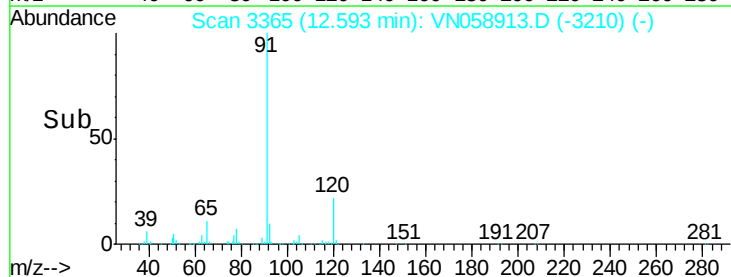
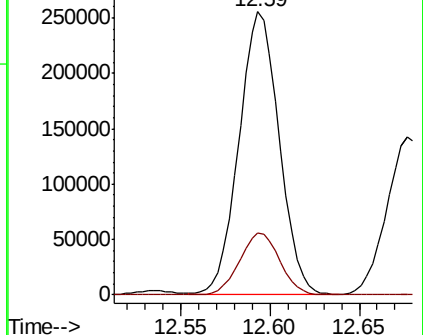
91 100

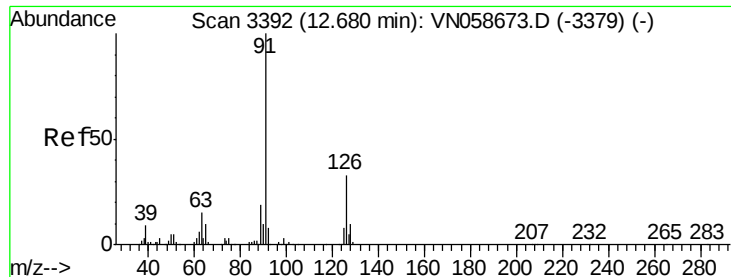
120 21.8 0.0 43.6



Abundance Ion 91.00 (90.70 to 91.70): VN

Ion 120.00 (119.70 to 120.70): V





#75

2-Chlorotoluene

Concen: 19.986 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

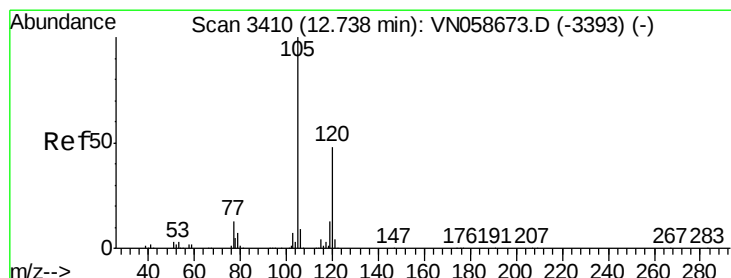
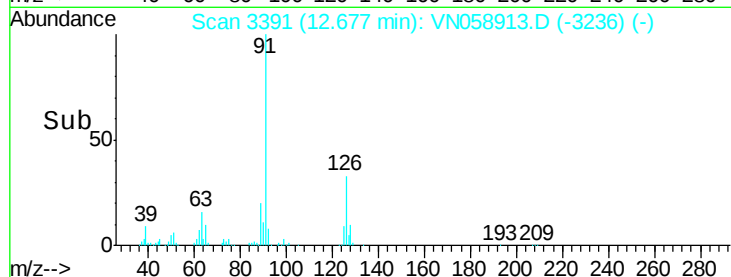
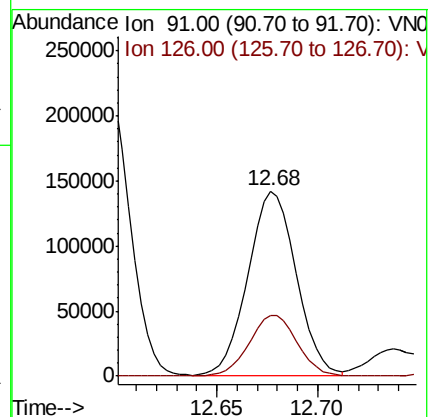
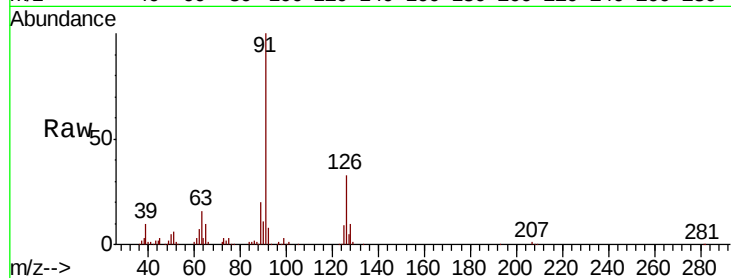
ClientSampleId :

Tot Ion: 91 Resp: 238385

Ion Ratio Lower Upper

91 100

126 32.8 0.0 65.4



#76

1,3,5-Trimethylbenzene

Concen: 19.828 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. 0.00 min

Lab File: VN058913.D

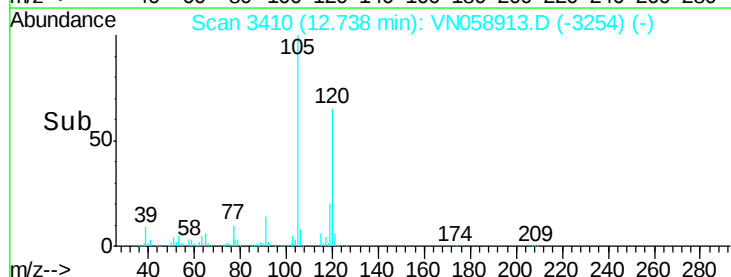
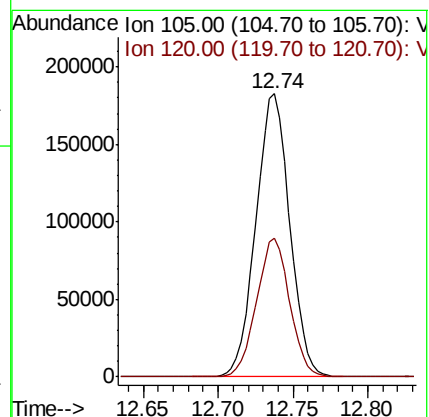
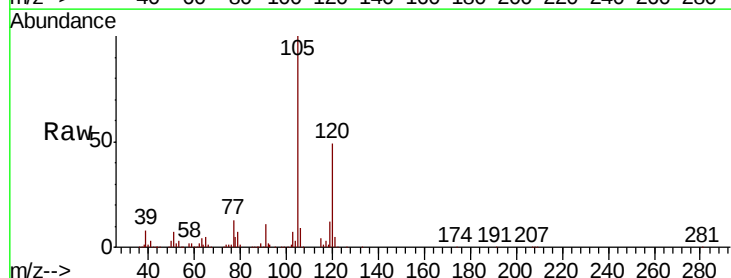
Acq: 22 Oct 2019 16:52

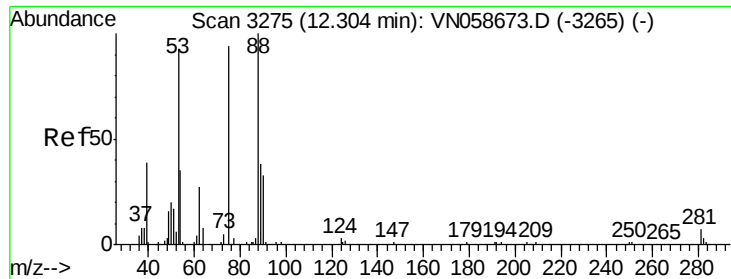
Tgt Ion: 105 Resp: 287616

Ion Ratio Lower Upper

105 100

120 47.9 0.0 94.0





#77

t-1,4-Dichloro-2-butene

Concen: 18.894 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampled :

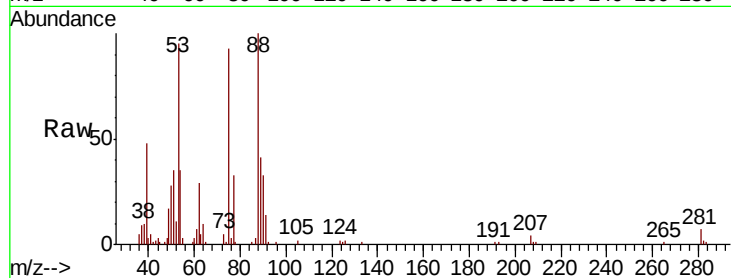
Tot Ion: 75 Resp: 37187

Ion	Ratio	Lower	Upper
75	100		
53	103.0	50.0	150.0
89	44.8	20.7	62.1

75 100

53 103.0 50.0 150.0

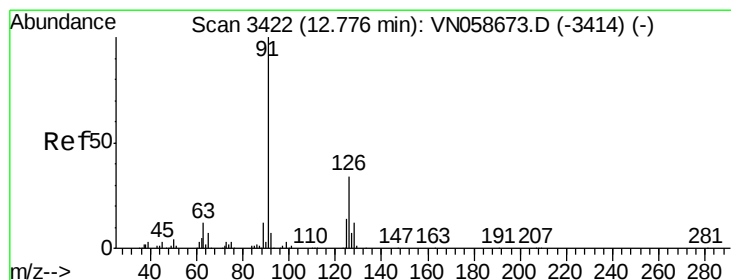
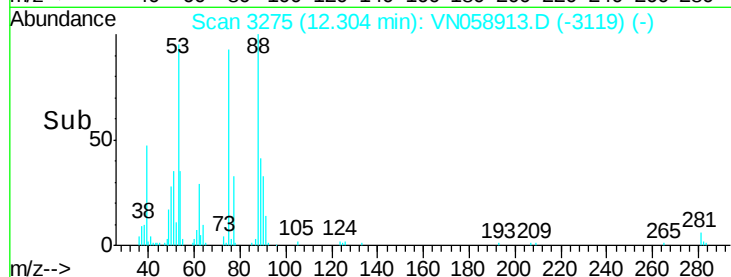
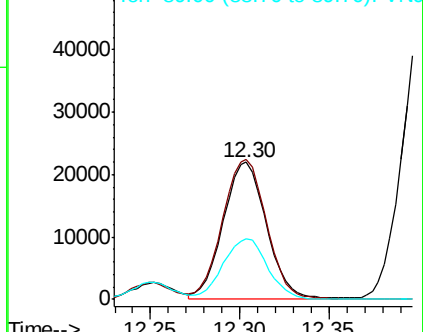
89 44.8 20.7 62.1



Abundance Ion 75.00 (74.70 to 75.70): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 89.00 (88.70 to 89.70): VN0



#78

4-Chlorotoluene

Concen: 19.853 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058913.D

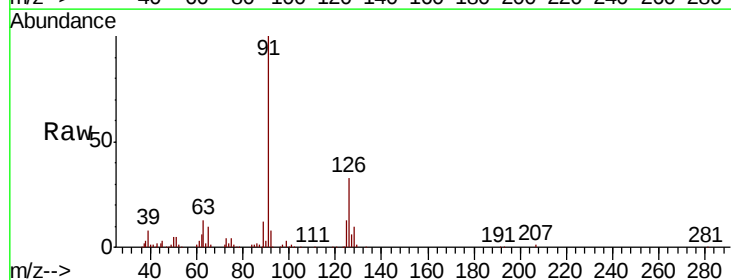
Acq: 22 Oct 2019 16:52

Tgt Ion: 91 Resp: 244050

Ion	Ratio	Lower	Upper
91	100		
126	32.3	0.0	63.4

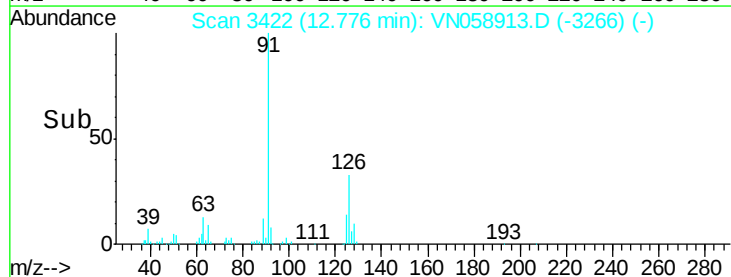
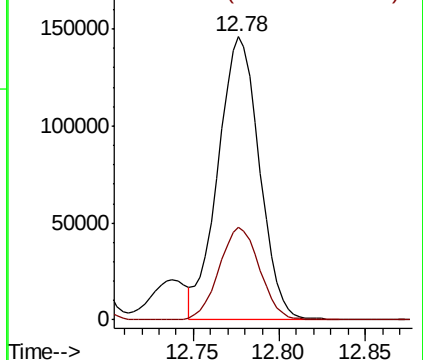
91 100

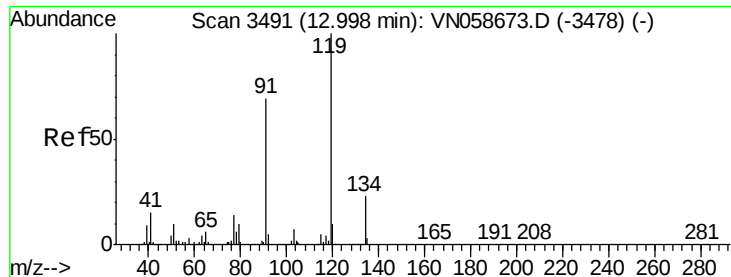
126 32.3 0.0 63.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 126.00 (125.70 to 126.70): V

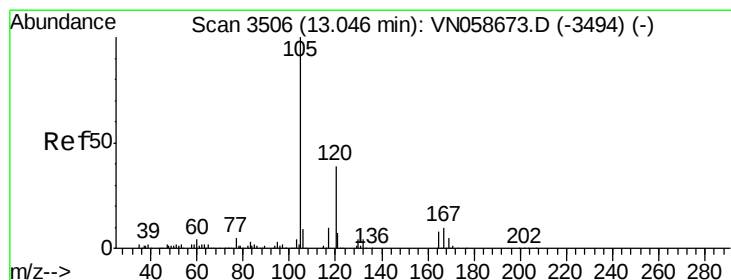
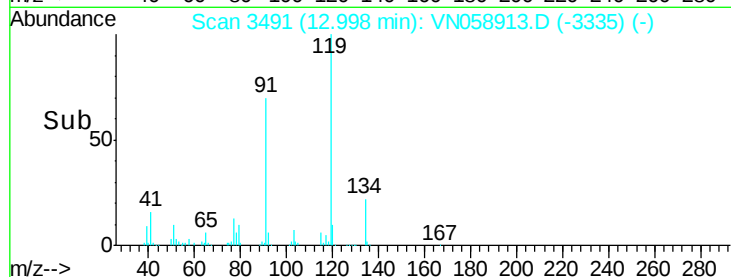
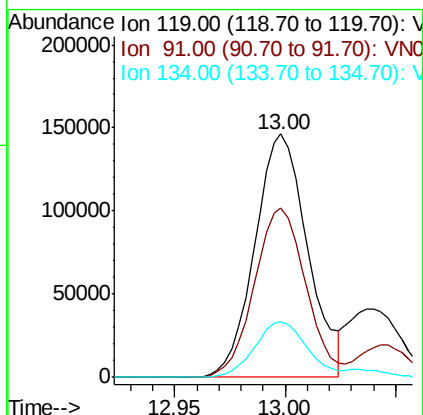
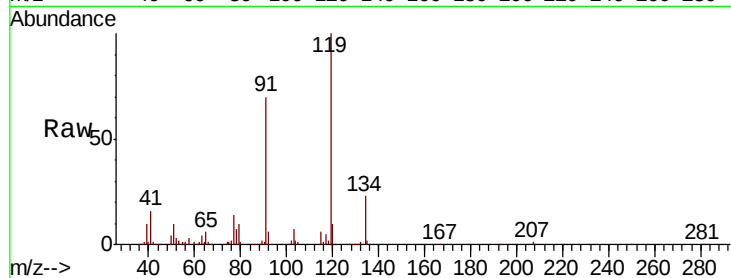




#79
tert-butylbenzene
Concen: 19.561 ug/l
RT: 13.00 min Scan# 3491
Delta R.T. 0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

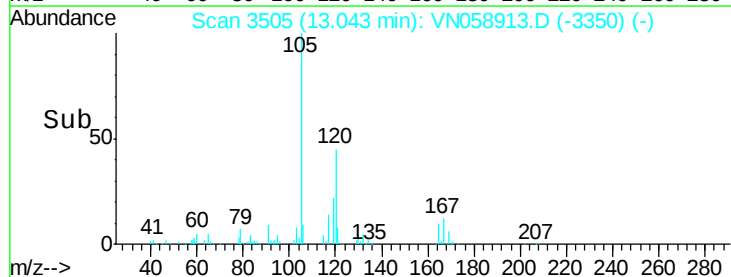
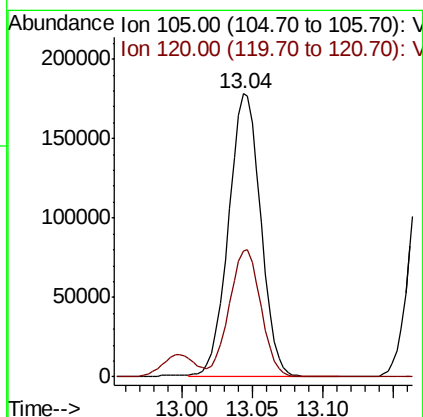
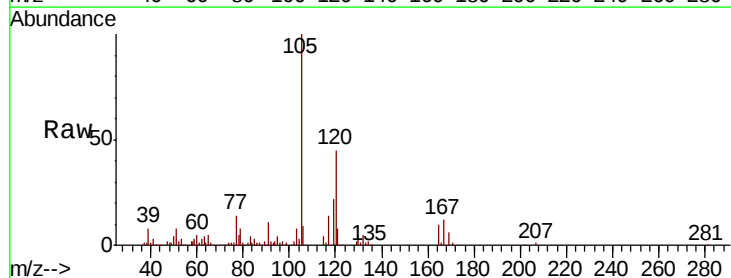
Instrument :
MSVOA_N
ClientSampleId :

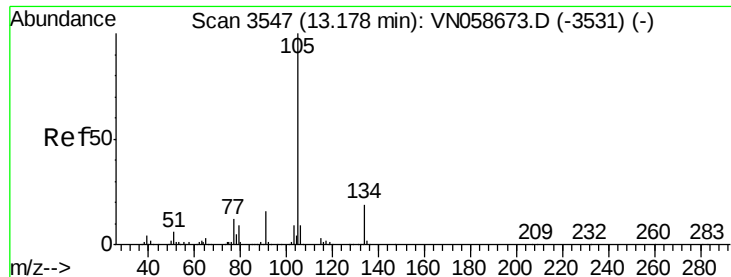
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.0	0.0	136.4
134	22.9	0.0	47.2



#80
1,2,4-Trimethylbenzene
Concen: 19.789 ug/l
RT: 13.04 min Scan# 3505
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.0	0.0	89.2





#81

sec-Butylbenzene

Concen: 19.672 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

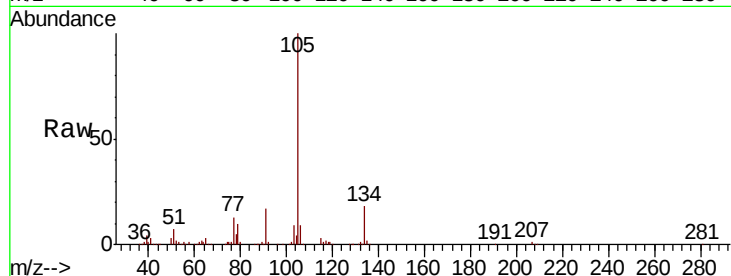
ClientSampled :

Tot Ion:105 Resp: 328099

Ion Ratio Lower Upper

105 100

134 18.8 0.0 38.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

200000

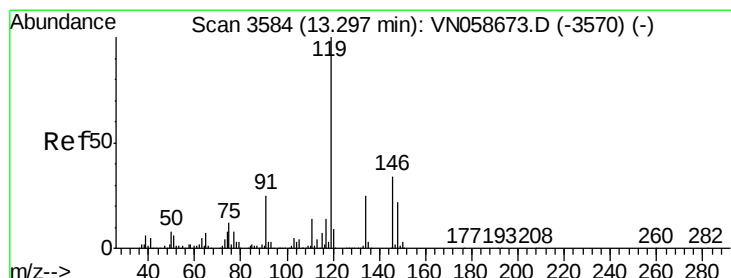
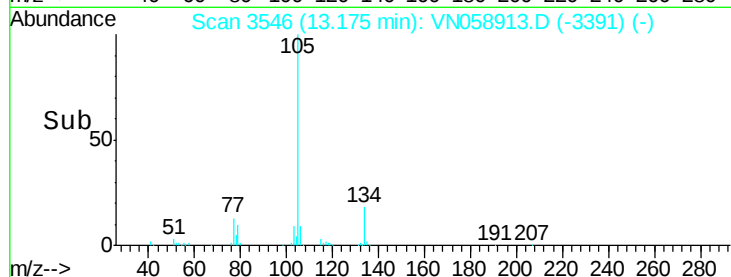
150000

100000

50000

0

Time-->



#82

p-Isopropyltoluene

Concen: 19.139 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

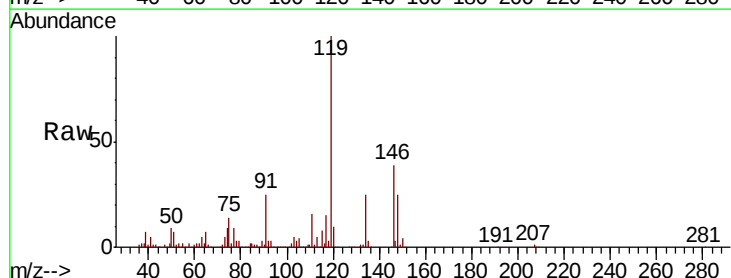
Tgt Ion:119 Resp: 286650

Ion Ratio Lower Upper

119 100

134 25.7 0.0 50.8

91 24.6 0.0 49.4



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

250000

200000

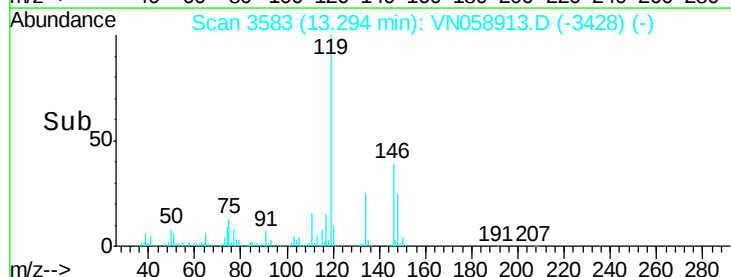
150000

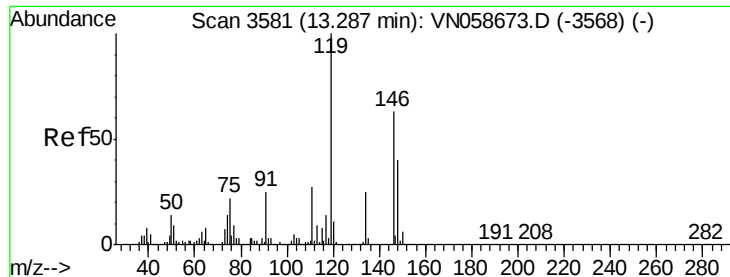
100000

50000

0

Time-->

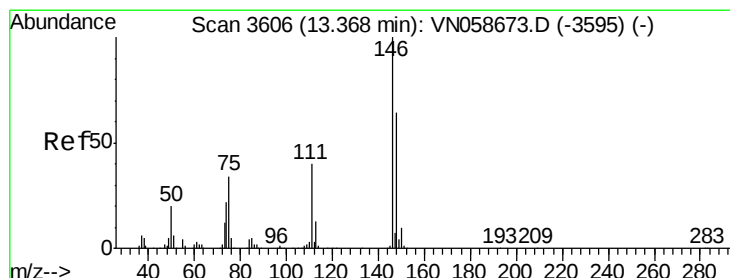
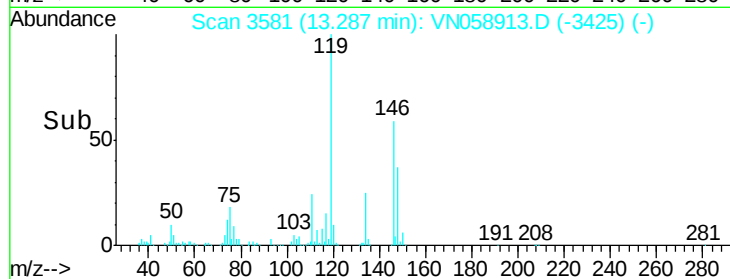
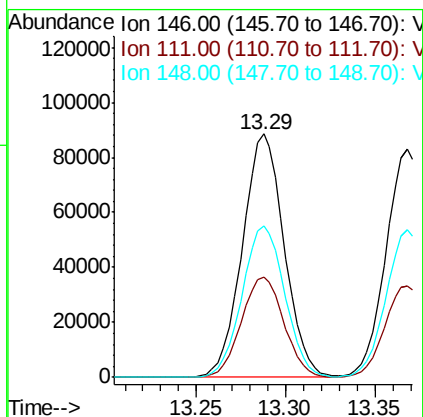
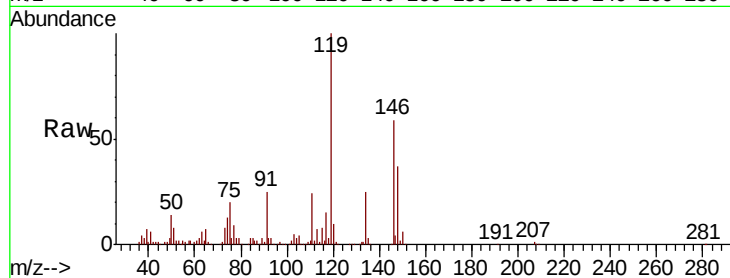




#83
 1,3-Dichlorobenzene
 Concen: 19.438 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

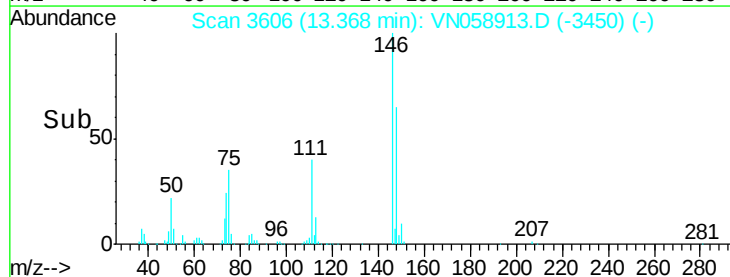
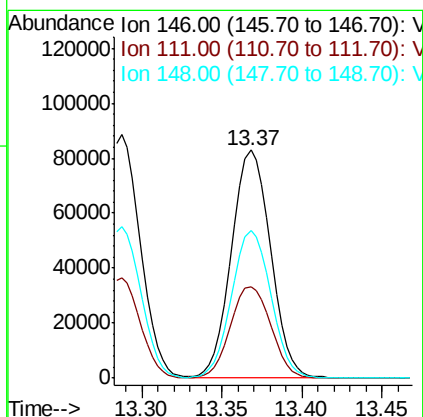
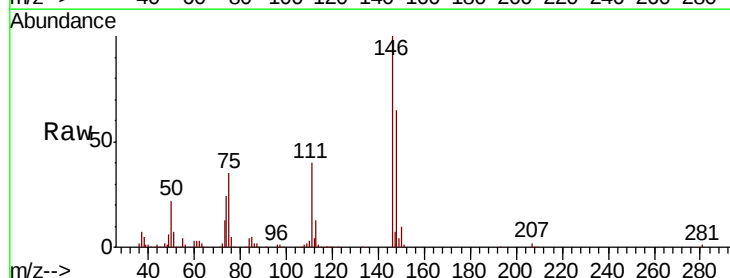
Instrument :
 MSVOA_N
 ClientSampled :

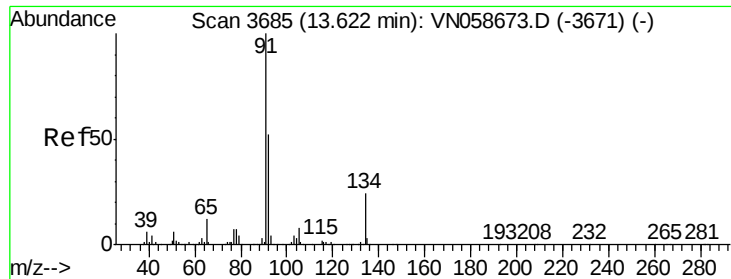
Tot Ion	Ratio	Lower	Upper
146	100		
111	41.9	21.0	63.0
148	63.6	31.7	95.1



#84
 1,4-Dichlorobenzene
 Concen: 18.542 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	41.2	19.8	59.4
148	64.7	31.6	94.8

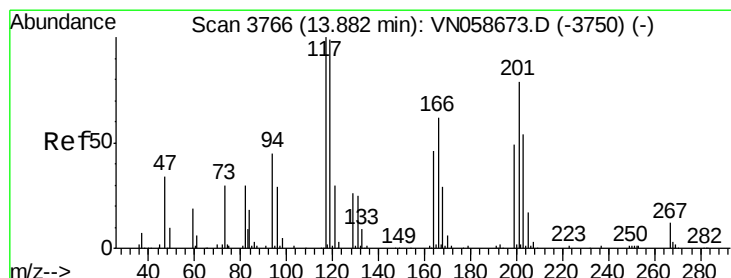
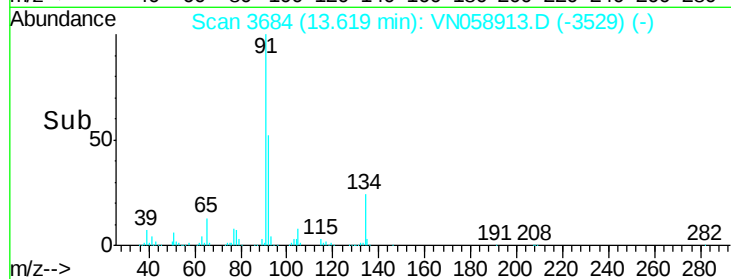
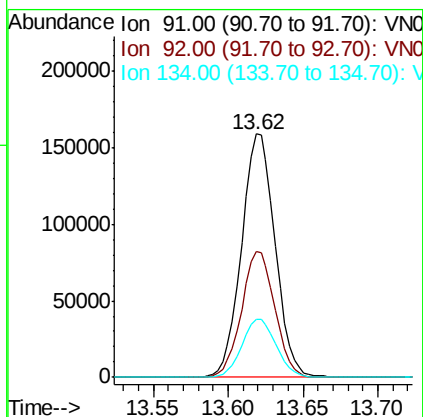
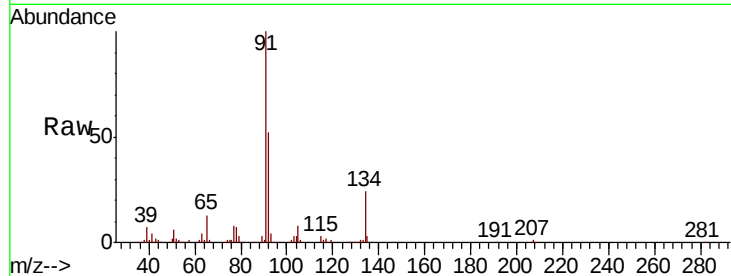




#85
n-Butylbenzene
Concen: 18.094 ug/l
RT: 13.62 min Scan# 3684
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

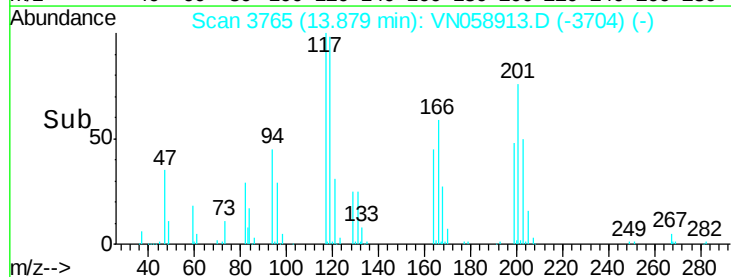
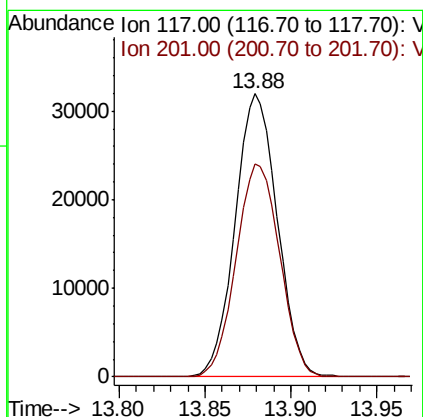
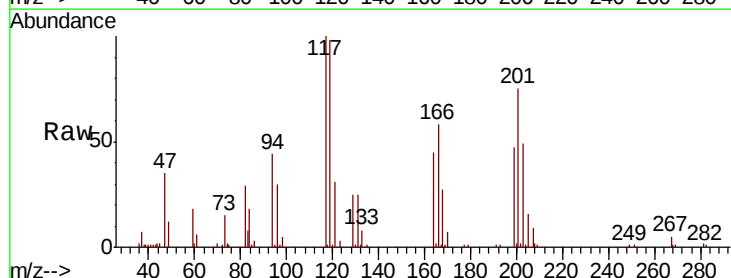
Instrument :
MSVOA_N
ClientSampleId :

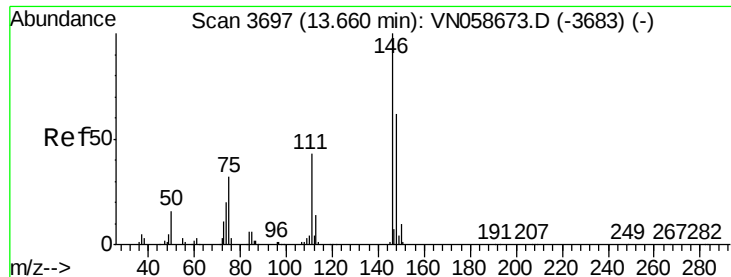
Tot Ion: 91 Resp: 248098
Ion Ratio Lower Upper
91 100
92 51.4 0.0 102.8
134 24.3 0.0 48.6



#86
Hexachloroethane
Concen: 20.005 ug/l
RT: 13.88 min Scan# 3765
Delta R.T. -0.00 min
Lab File: VN058913.D
Acq: 22 Oct 2019 16:52

Tgt Ion: 117 Resp: 54527
Ion Ratio Lower Upper
117 100
201 77.7 38.7 116.1

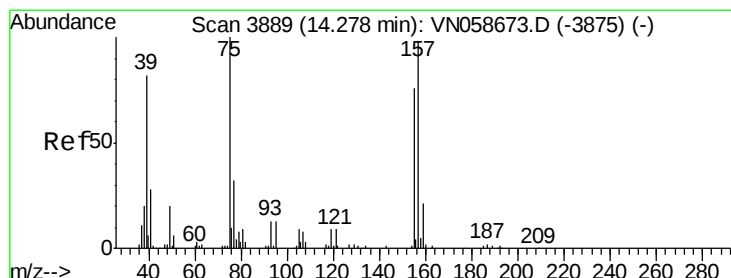
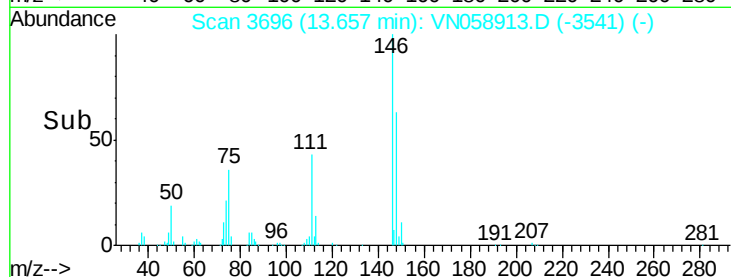
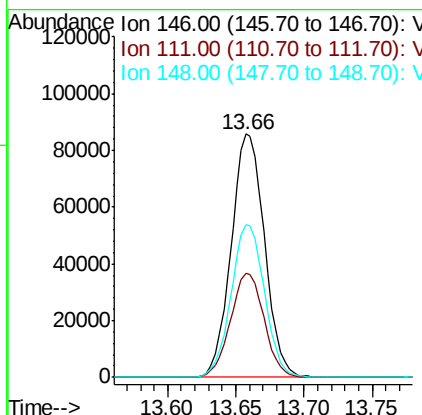
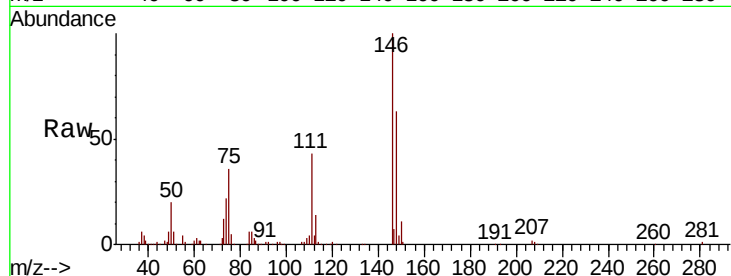




#87
 1,2-Dichlorobenzene
 Concen: 19.777 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

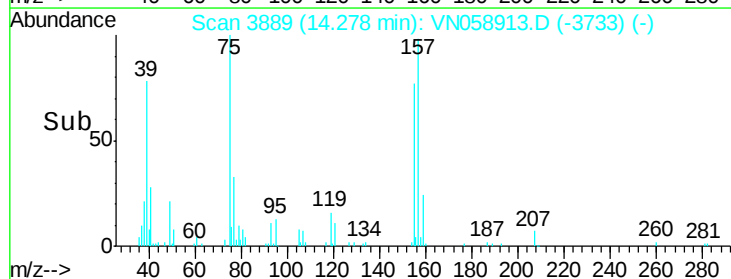
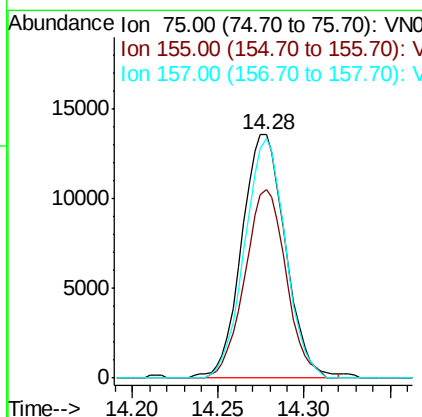
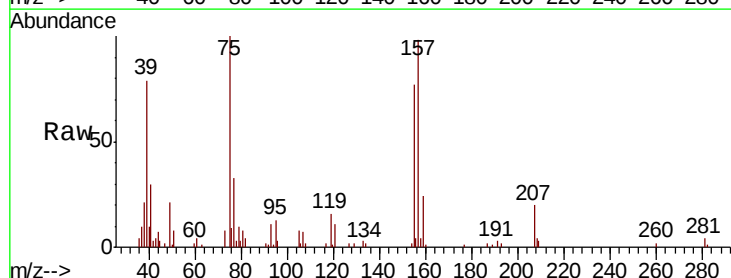
Instrument :
 MSVOA_N
 ClientSampled :

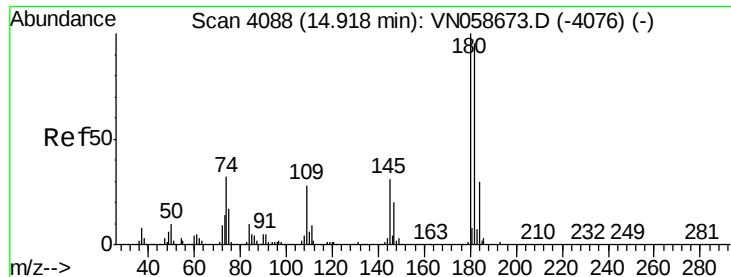
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.2	21.8	65.4
148	63.0	32.1	96.5



#88
 1,2-Dibromo-3-Chloropropane
 Concen: 18.814 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.1	58.3	87.5
157	91.9	75.0	112.6

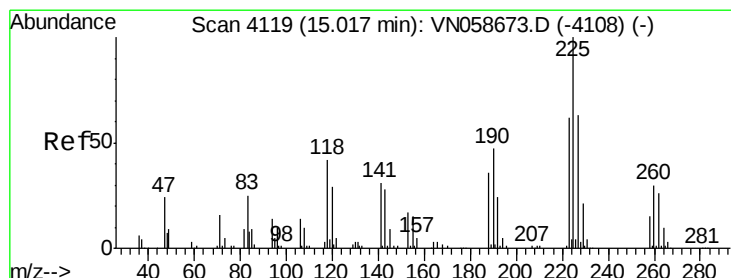
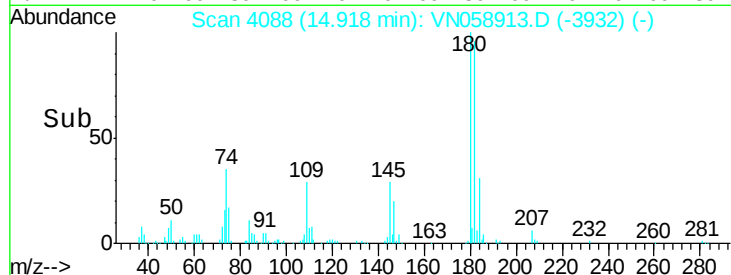
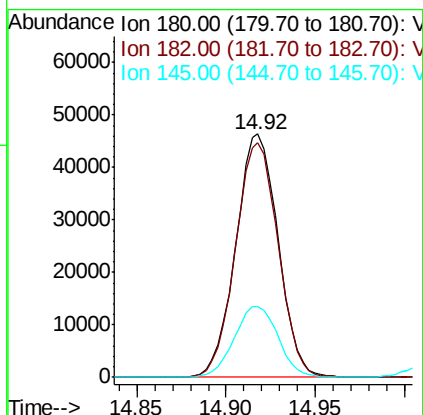
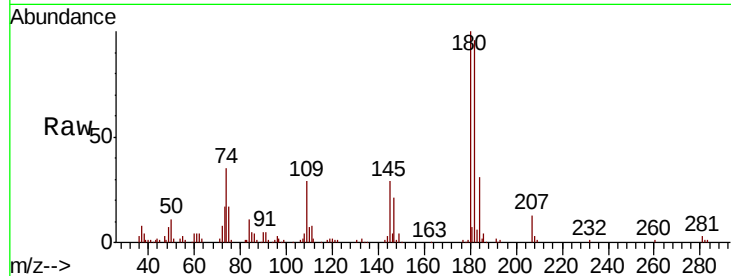




#89
 1,2,4-Trichlorobenzene
 Concen: 16.477 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

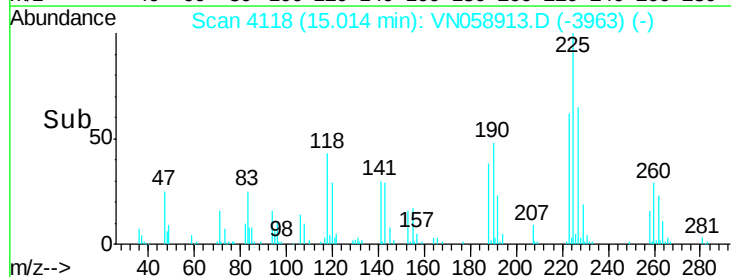
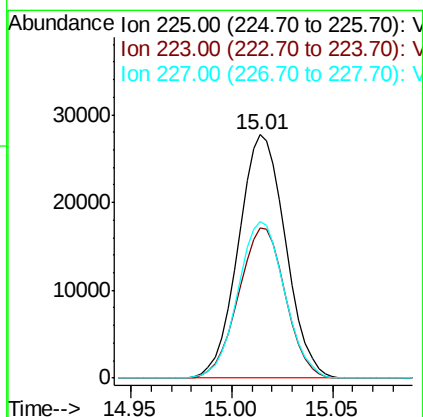
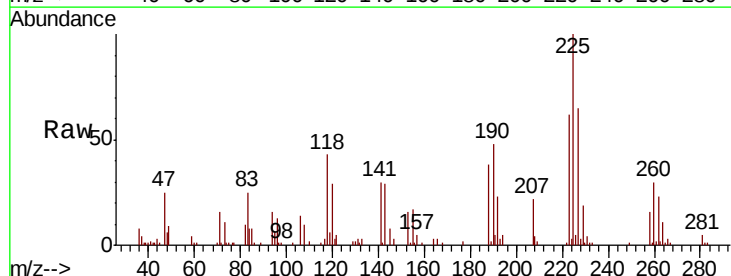
Instrument :
 MSVOA_N
 ClientSampleId :

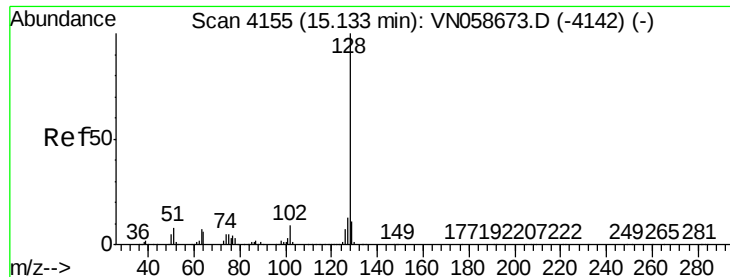
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.3	75.3	112.9
145	30.4	24.8	37.2



#90
 Hexachlorobutadiene
 Concen: 18.945 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058913.D
 Acq: 22 Oct 2019 16:52

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	0.0	126.2
227	63.6	0.0	127.0





#91

Naphthalene

Concen: 16.107 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

Instrument :

MSVOA_N

ClientSampleId :

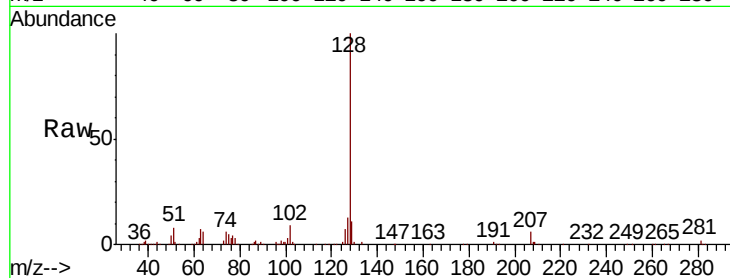
Tot Ion:128 Resp: 220668

Ion Ratio Lower Upper

128 100

127 13.0 10.2 15.2

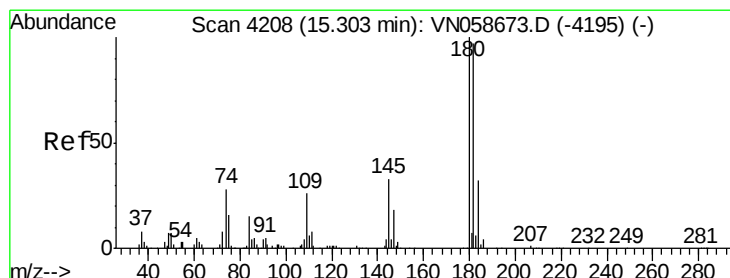
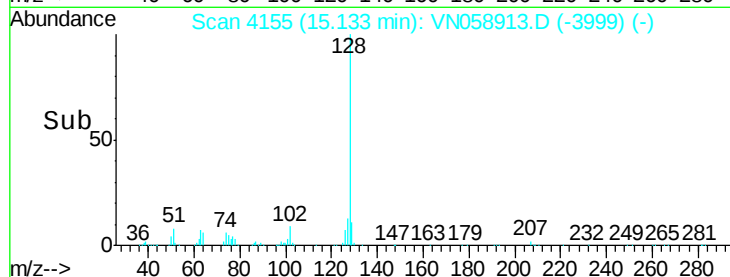
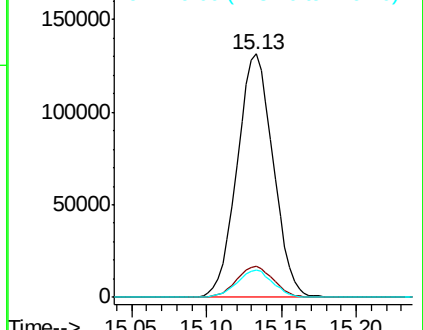
129 11.1 8.6 13.0



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



#92

1,2,3-Trichlorobenzene

Concen: 17.793 ug/l

RT: 15.30 min Scan# 4207

Delta R.T. -0.00 min

Lab File: VN058913.D

Acq: 22 Oct 2019 16:52

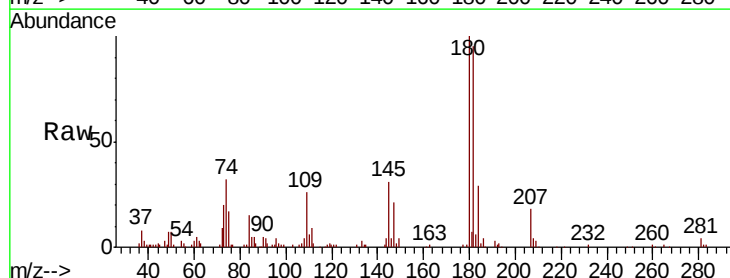
Tgt Ion:180 Resp: 80369

Ion Ratio Lower Upper

180 100

182 94.3 0.0 193.4

145 31.9 0.0 65.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

