

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058527.D
 Acq On : 4 Oct 2019 10:12
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:34:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	381939	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	642540	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	594178	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	290804	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	276027	49.45	ug/l	0.00
Spiked Amount			Recovery	=	98.90%	
35) Dibromofluoromethane	7.57	113	196492	49.90	ug/l	0.00
Spiked Amount			Recovery	=	99.80%	
50) Toluene-d8	10.08	98	785400	50.91	ug/l	0.00
Spiked Amount			Recovery	=	101.82%	
62) 4-Bromofluorobenzene	12.40	95	298227	53.46	ug/l	0.00
Spiked Amount			Recovery	=	106.92%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.83	85	207525	49.553	ug/l	100
3) Chloromethane	2.04	50	252632	54.870	ug/l	99
4) Vinyl Chloride	2.17	62	227464	50.432	ug/l	99
5) Bromomethane	2.54	94	113865	47.529	ug/l	96
6) Chloroethane	2.68	64	146634	54.259	ug/l	98
7) Trichlorofluoromethane	3.00	101	273669	50.280	ug/l	97
8) Diethyl Ether	3.38	74	119491	50.882	ug/l	97
9) 1,1,2-Trichlorotrifluoroet	3.73	101	186394	50.425	ug/l	98
10) Methyl Iodide	3.92	142	162005	39.526	ug/l	99
11) Tert butyl alcohol	4.75	59	188638	304.230	ug/l	98
12) 1,1-Dichloroethene	3.71	96	174712	48.490	ug/l	98
13) Acrolein	3.58	56	43906	222.632	ug/l	97
14) Allyl chloride	4.29	41	347863	53.053	ug/l	99
15) Acrylonitrile	4.95	53	505824	279.909	ug/l	100
16) Acetone	3.79	43	406461	213.629	ug/l	99
17) Carbon Disulfide	4.03	76	463306	48.781	ug/l	98
18) Methyl Acetate	4.29	43	254971	53.281	ug/l	100
19) Methyl tert-butyl Ether	5.01	73	676084	53.182	ug/l	99
20) Methylene Chloride	4.52	84	221031	50.339	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	200991	50.165	ug/l	97
22) Diisopropyl ether	5.92	45	757207	53.665	ug/l	96
23) Vinyl Acetate	5.87	43	3109017	292.226	ug/l	100
24) 1,1-Dichloroethane	5.82	63	423083	53.278	ug/l	99
25) 2-Butanone	6.81	43	688832	263.690	ug/l	99
26) 2,2-Dichloropropane	6.80	77	357219	54.718	ug/l	99
27) cis-1,2-Dichloroethene	6.80	96	242654	51.818	ug/l	98
28) Bromochloromethane	7.17	49	172735	54.418	ug/l	96
29) Tetrahydrofuran	7.19	42	454400	274.066	ug/l	99
30) Chloroform	7.35	83	422709	52.531	ug/l	100
31) Cyclohexane	7.63	56	365025	47.256	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	356706	53.981	ug/l	100
36) 1,1-Dichloropropene	7.77	75	316455	51.507	ug/l	99
37) Ethyl Acetate	6.90	43	295152	56.662	ug/l	99
38) Carbon Tetrachloride	7.75	117	299404	53.988	ug/l	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

39) Methylcyclohexane	9.07	83	360162	50.198	ug/l	97
40) Benzene	8.02	78	924396	52.342	ug/l	100
41) Methacrylonitrile	7.18	41	428559	178.834	ug/l #	16
42) 1,2-Dichloroethane	8.11	62	358555	52.185	ug/l	100
43) Isopropyl Acetate	8.15	43	516524	52.731	ug/l #	90
44) Trichloroethene	8.82	130	232791	53.383	ug/l	99
45) 1,2-Dichloropropane	9.11	63	257094	54.280	ug/l	99
46) Dibromomethane	9.20	93	161235	53.753	ug/l	97
47) Bromodichloromethane	9.39	83	322020	56.662	ug/l	99
48) Methyl methacrylate	9.19	41	249301	55.893	ug/l	99
49) 1,4-Dioxane	9.19	88	87120	1460.766	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	1510534	300.213	ug/l	99
52) Toluene	10.15	92	574818	51.711	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	367868	59.471	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	396534	57.750	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	229445	56.687	ug/l	97
56) Ethyl methacrylate	10.43	69	356924	58.114	ug/l	99
57) 1,3-Dichloropropane	10.71	76	402682	55.776	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.69	63	870406	355.411	ug/l	99
59) 2-Hexanone	10.75	43	1131185	308.753	ug/l	100
60) Dibromochloromethane	10.90	129	230243	54.987	ug/l	99
61) 1,2-Dibromoethane	11.00	107	229964	55.604	ug/l	100
64) Tetrachloroethene	10.63	164	202397	53.615	ug/l	99
65) Chlorobenzene	11.43	112	614637	52.040	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	222690	55.961	ug/l	100
67) Ethyl Benzene	11.51	91	1142410	53.401	ug/l	99
68) m/p-Xylenes	11.62	106	832926	103.483	ug/l	98
69) o-Xylene	11.95	106	403320	52.053	ug/l	98
70) Styrene	11.97	104	689689	54.792	ug/l	99
71) Bromoform	12.13	173	144318	52.445	ug/l #	100
73) Isopropylbenzene	12.25	105	1089739	50.707	ug/l	100
74) N-amyl acetate	12.07	43	484402	56.657	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	328000	51.613	ug/l	100
76) 1,2,3-Trichloropropane	12.56	75	435860	82.059	ug/l #	100
77) Bromobenzene	12.53	156	255860	50.774	ug/l	97
78) n-propylbenzene	12.60	91	1315314	54.325	ug/l	100
79) 2-Chlorotoluene	12.68	91	772606	51.698	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	934638	51.953	ug/l	100
81) trans-1,4-Dichloro-2-buten	12.30	75	101053	57.782	ug/l	99
82) 4-Chlorotoluene	12.78	91	806170	52.865	ug/l	99
83) tert-Butylbenzene	13.00	119	775194	51.065	ug/l	99
84) 1,2,4-Trimethylbenzene	13.05	105	941929	52.258	ug/l	100
85) sec-Butylbenzene	13.18	105	1080219	54.064	ug/l	100
86) p-Isopropyltoluene	13.29	119	979209	55.676	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	475943	52.087	ug/l	100
88) 1,4-Dichlorobenzene	13.37	146	470732	51.780	ug/l	99
89) n-Butylbenzene	13.62	91	927328	58.206	ug/l	100
90) Hexachloroethane	13.88	117	147558	55.840	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	464066	52.858	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	14.28	75	65080	58.073	ug/l	95

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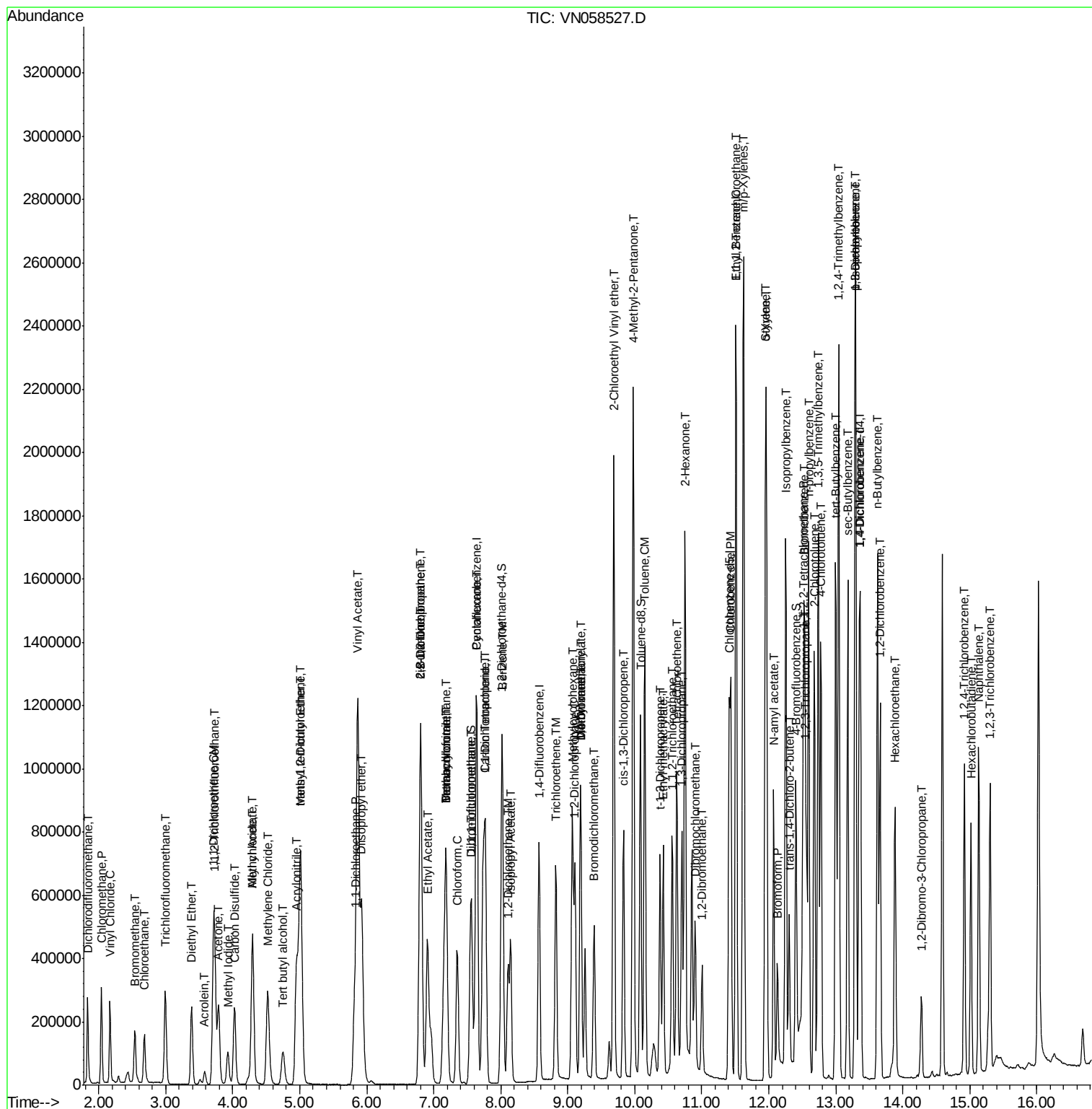
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.92	180	287305	59.220	ug/l	100
94) Hexachlorobutadiene	15.02	225	140564	56.370	ug/l	100
95) Naphthalene	15.13	128	778960	54.829	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	266720	54.838	ug/l	99

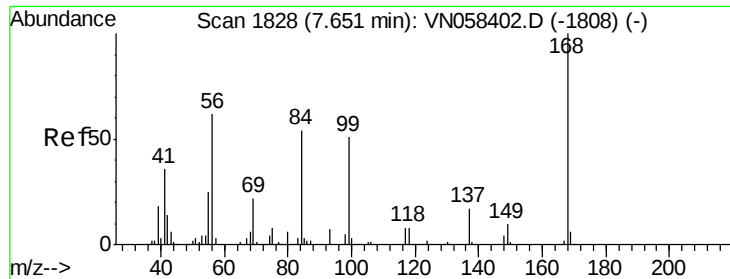
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Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN100419\
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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

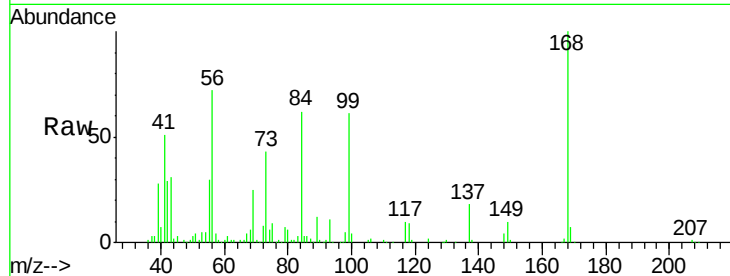
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 381939

Ion Ratio Lower Upper

168 100

99 60.6 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.64

150000

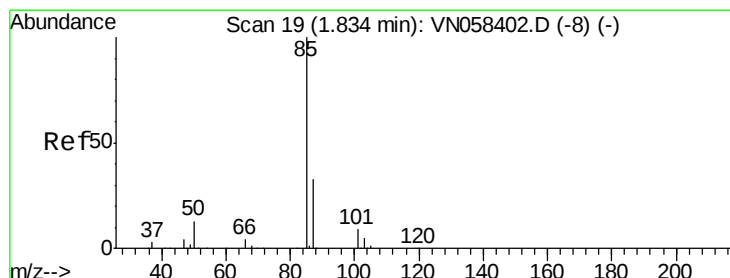
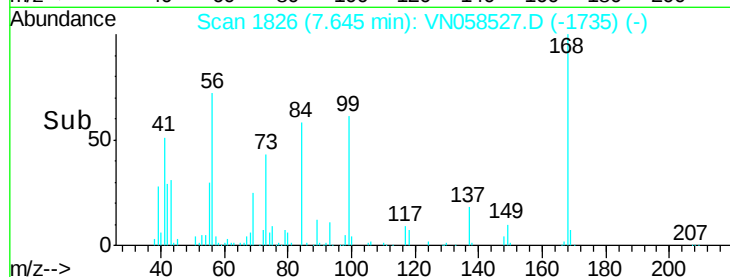
100000

50000

0

7.60 7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 49.553 ug/l

RT: 1.83 min Scan# 19

Delta R.T. 0.00 min

Lab File: VN058527.D

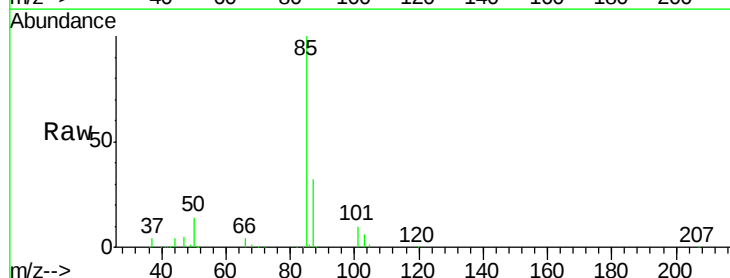
Acq: 4 Oct 2019 10:12

Tgt Ion: 85 Resp: 207525

Ion Ratio Lower Upper

85 100

87 32.4 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.83

150000

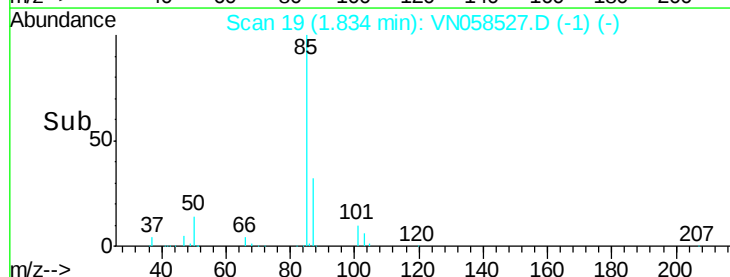
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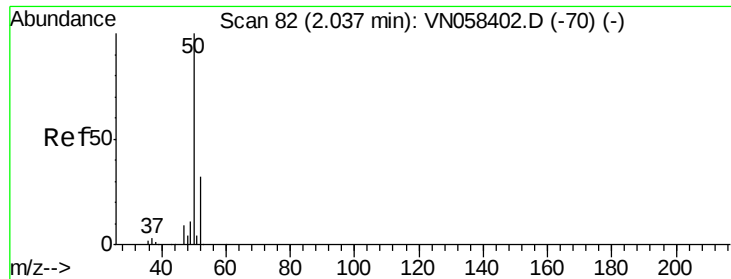
50000

0

1.75 1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 54.870 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

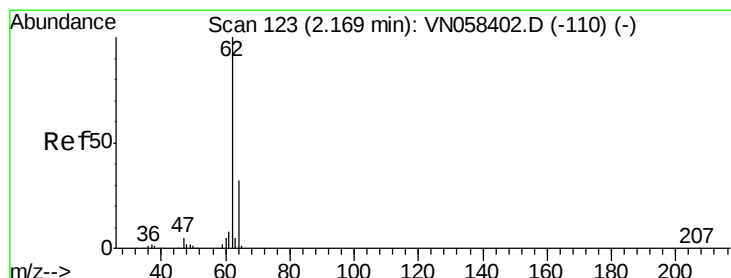
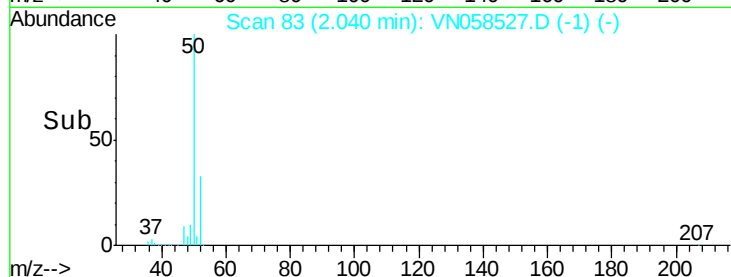
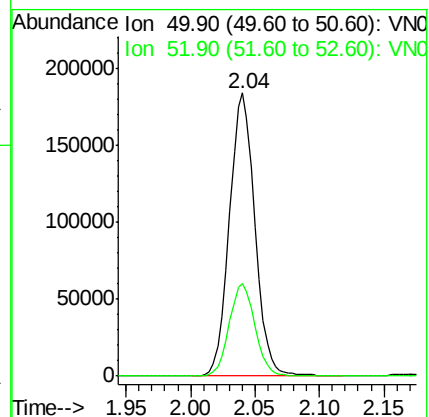
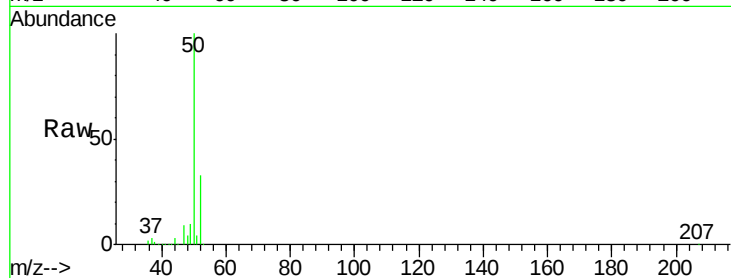
ClientSampleId :

Tot Ion: 50 Resp: 252632

Ion Ratio Lower Upper

50 100

52 32.7 25.9 38.9



#4

Vinyl Chloride

Concen: 50.432 ug/l

RT: 2.17 min Scan# 123

Delta R.T. 0.00 min

Lab File: VN058527.D

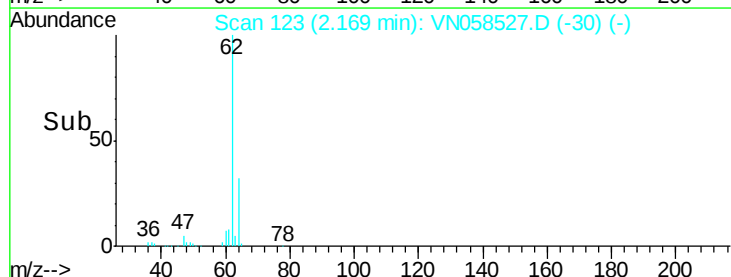
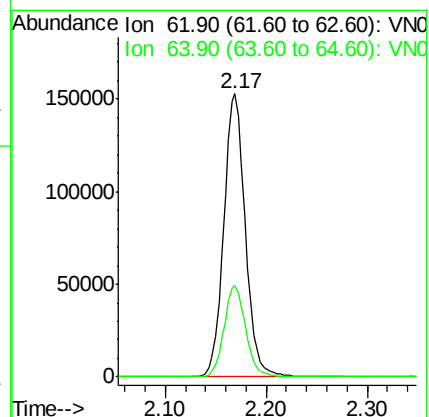
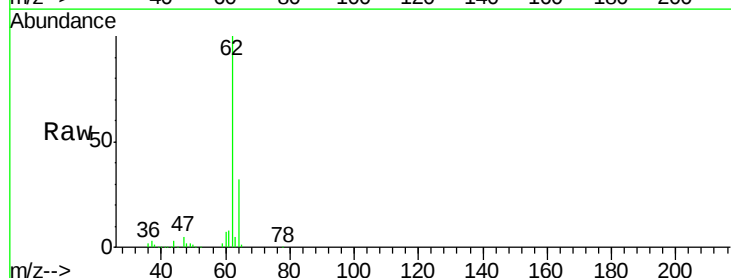
Acq: 4 Oct 2019 10:12

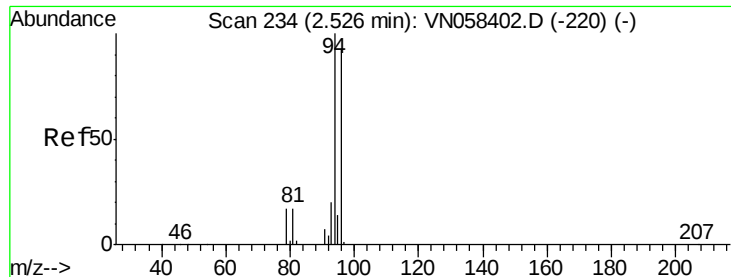
Tgt Ion: 62 Resp: 227464

Ion Ratio Lower Upper

62 100

64 32.3 25.5 38.3





#5

Bromomethane

Concen: 47.529 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

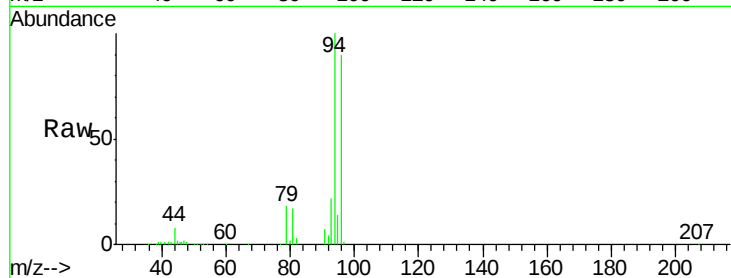
ClientSampleId :

Tot Ion: 94 Resp: 113865

Ion Ratio Lower Upper

94 100

96 89.8 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0

2.54

60000

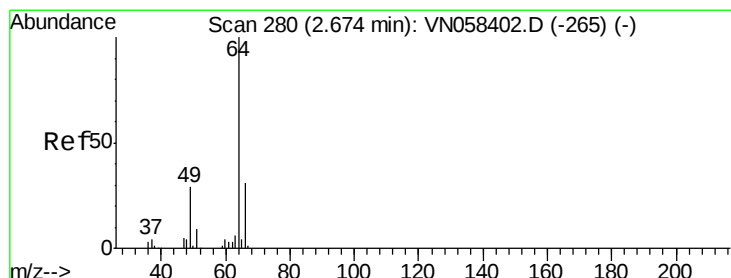
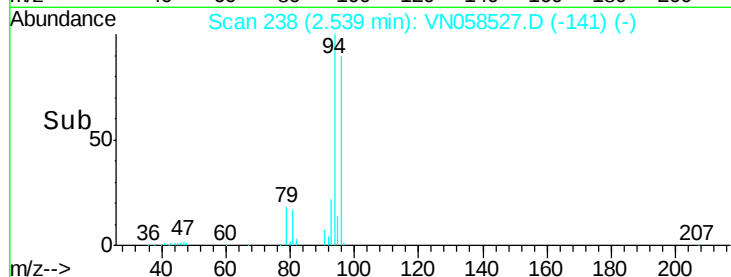
40000

20000

0

Time-->

2.45 2.50 2.55 2.60 2.65



#6

Chloroethane

Concen: 54.259 ug/l

RT: 2.68 min Scan# 282

Delta R.T. 0.01 min

Lab File: VN058527.D

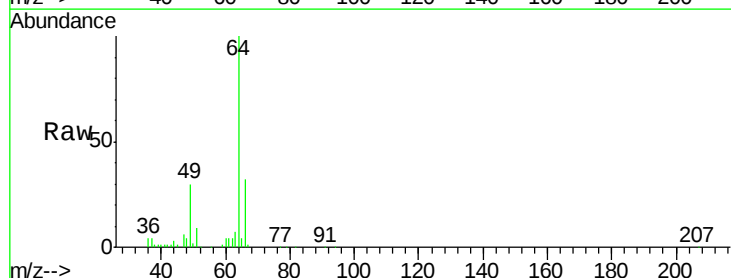
Acq: 4 Oct 2019 10:12

Tgt Ion: 64 Resp: 146634

Ion Ratio Lower Upper

64 100

66 31.8 24.4 36.6



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0

2.68

80000

60000

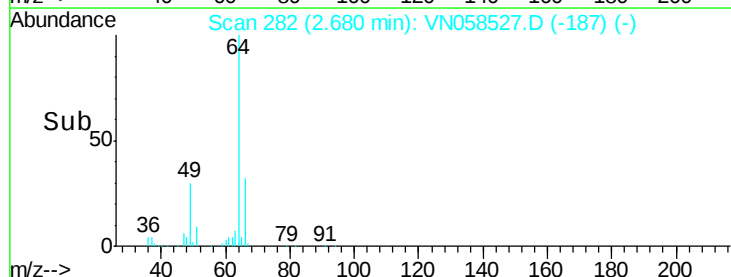
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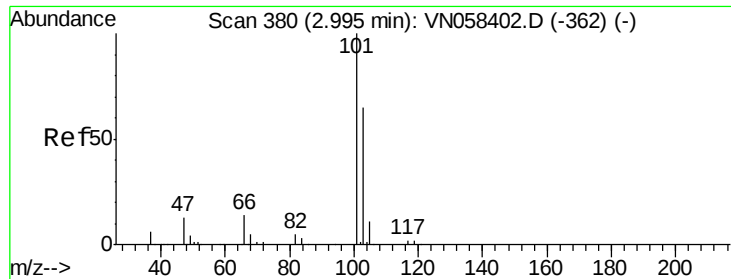
20000

0

Time-->

2.60 2.70 2.80



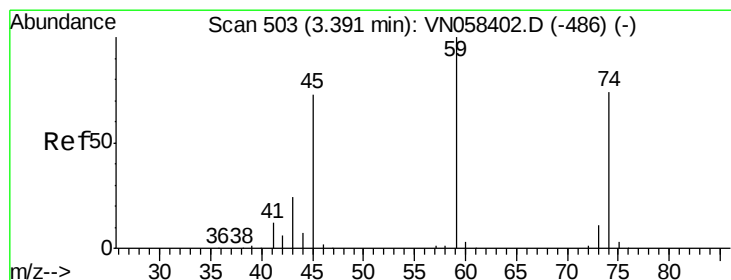
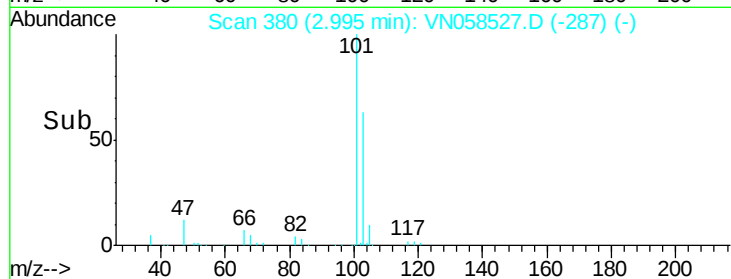
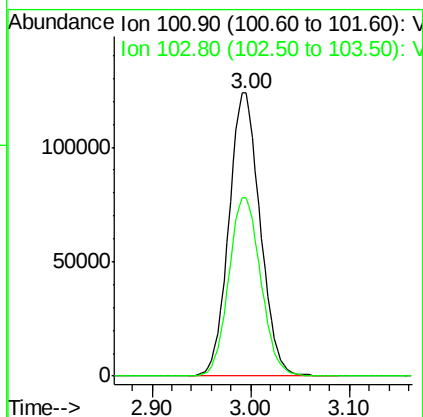
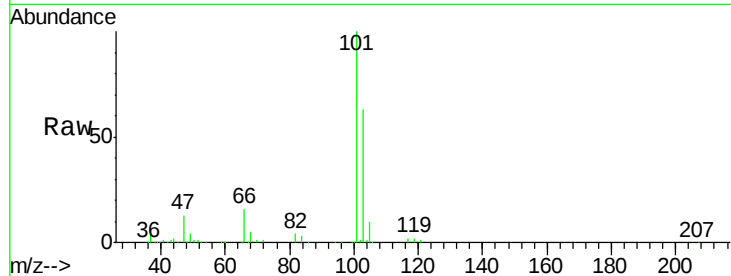


#7

Trichlorofluoromethane
 Concen: 50.280 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampled :

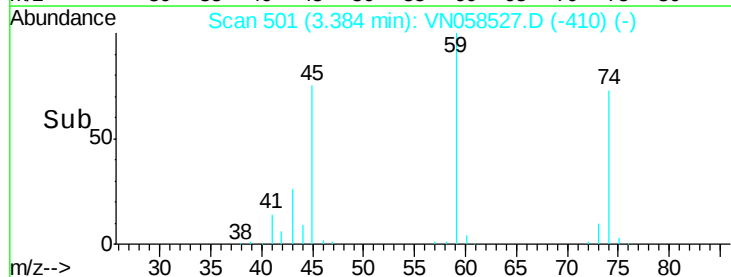
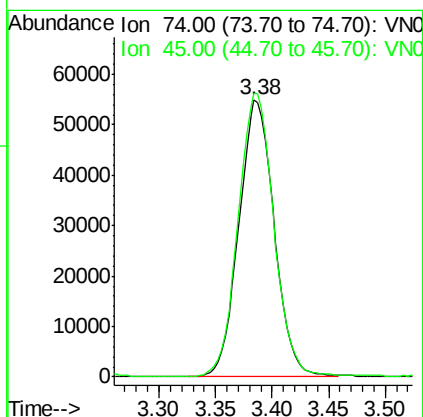
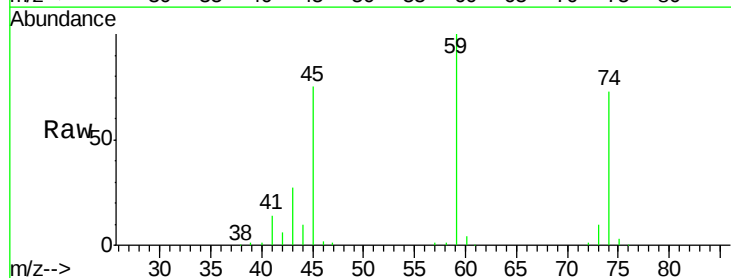
Tot Ion:101 Resp: 273669
 Ion Ratio Lower Upper
 101 100
 103 62.8 52.3 78.5

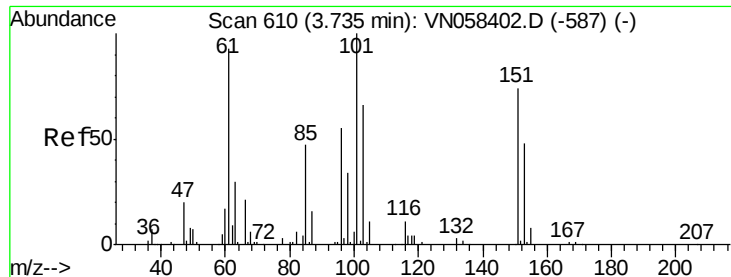


#8

Diethyl Ether
 Concen: 50.882 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.01 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion: 74 Resp: 119491
 Ion Ratio Lower Upper
 74 100
 45 103.8 50.5 151.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 50.425 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

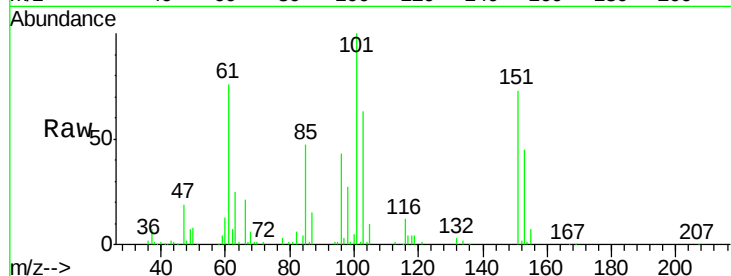
Tot Ion:101 Resp: 186394

Ion Ratio Lower Upper

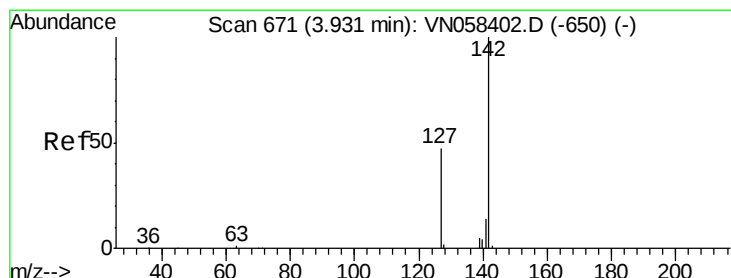
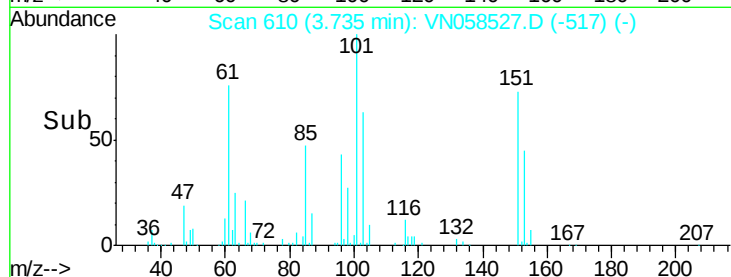
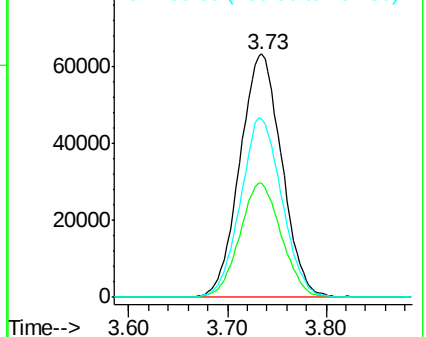
101 100

85 46.7 36.7 55.1

151 72.8 59.4 89.0



Abundance Ion 100.90 (100.60 to 101.60): V
Ion 84.90 (84.60 to 85.60): V
Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 39.526 ug/l

RT: 3.92 min Scan# 669

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

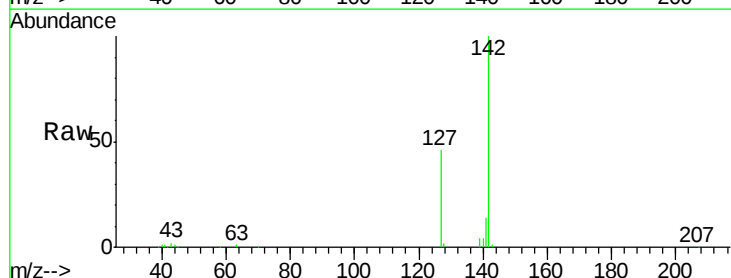
Tgt Ion:142 Resp: 162005

Ion Ratio Lower Upper

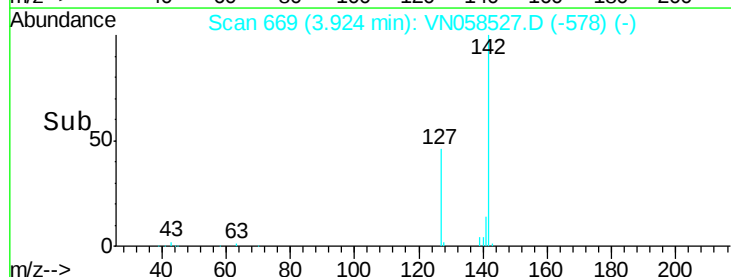
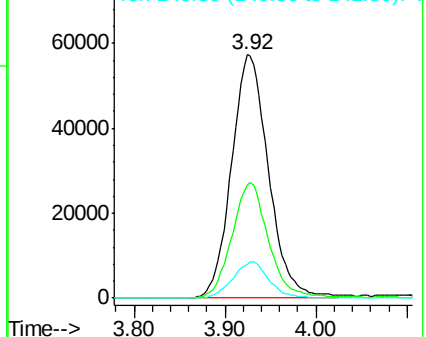
142 100

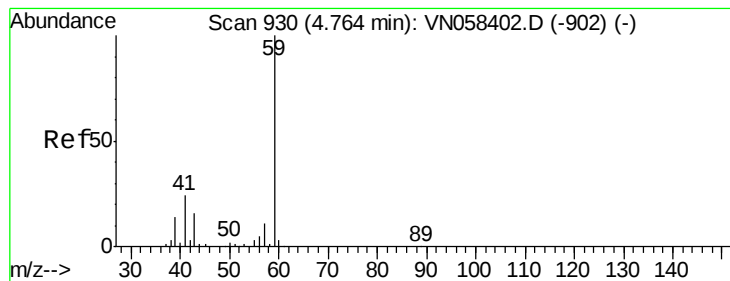
127 47.0 37.2 55.8

141 14.4 11.3 16.9



Abundance Ion 141.80 (141.50 to 142.50): V
Ion 126.80 (126.50 to 127.50): V
Ion 140.80 (140.50 to 141.50): V



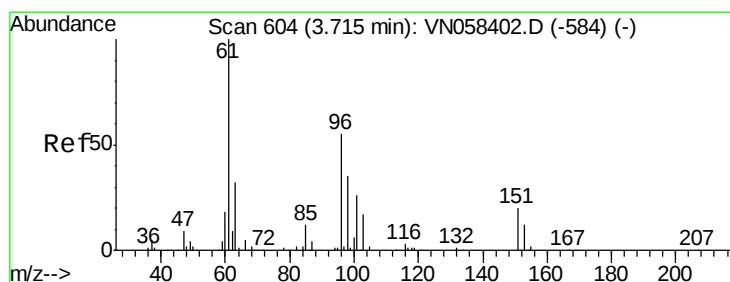
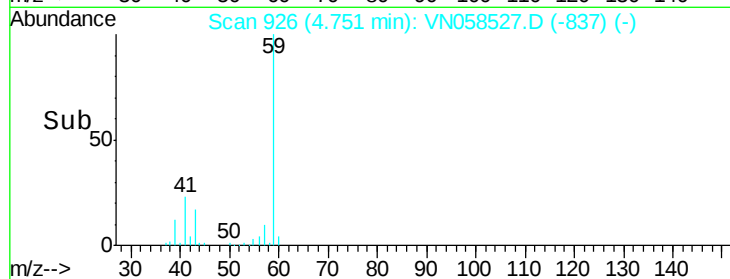
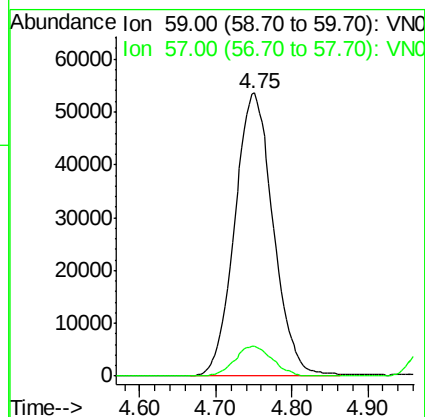
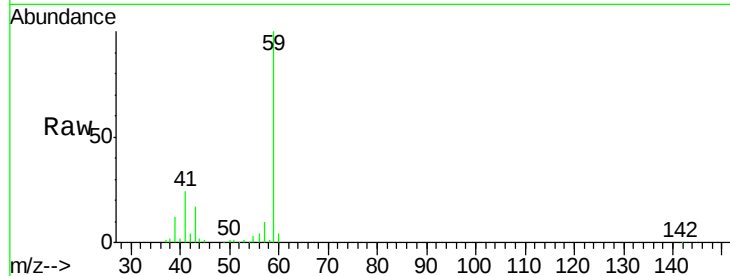


#11

Tert butyl alcohol
 Concen: 304.230 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.01 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampled :

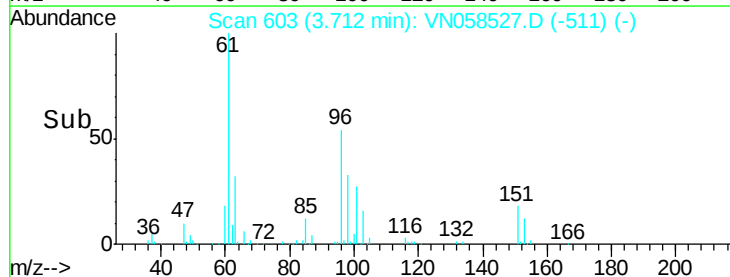
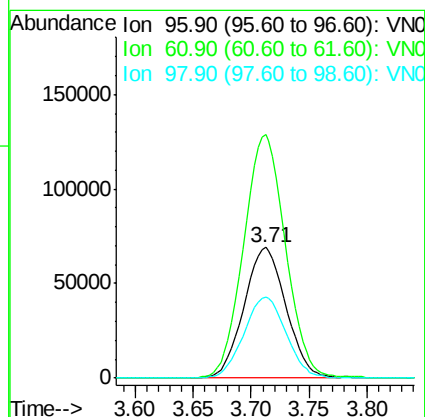
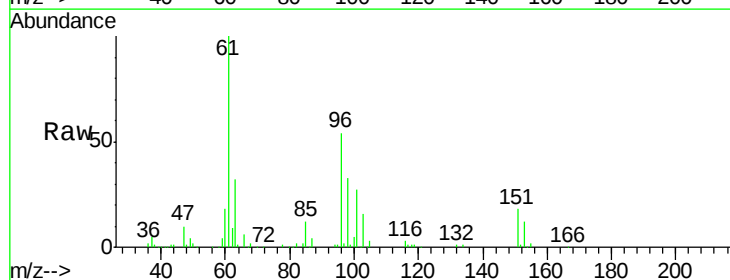
Tot Ion: 59 Resp: 188638
 Ion Ratio Lower Upper
 59 100
 57 10.5 9.0 13.4

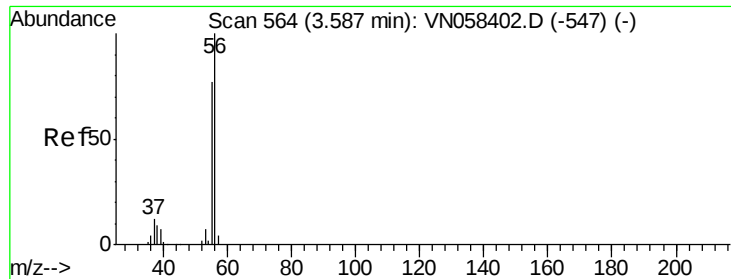


#12

1,1-Dichloroethene
 Concen: 48.490 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion: 96 Resp: 174712
 Ion Ratio Lower Upper
 96 100
 61 186.5 146.7 220.1
 98 61.9 51.3 76.9





#13

Acrolein

Concen: 222.632 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

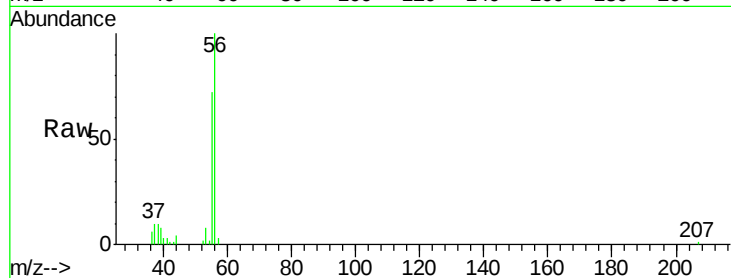
ClientSampled :

Tot Ion: 56 Resp: 43906

Ion Ratio Lower Upper

56 100

55 70.7 58.3 87.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.58

20000

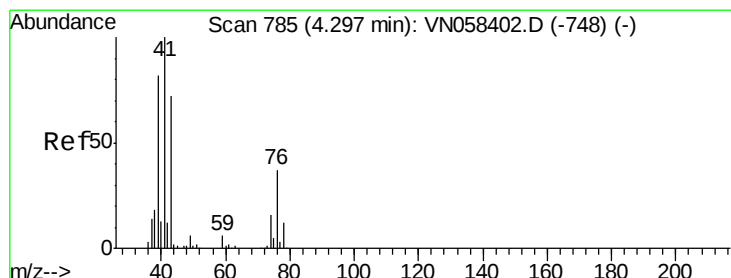
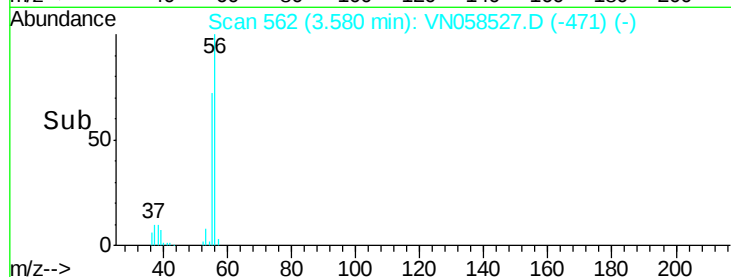
15000

10000

5000

0

Time-->



#14

Allyl chloride

Concen: 53.053 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

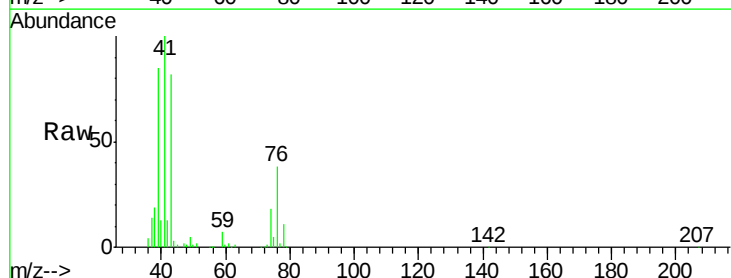
Tgt Ion: 41 Resp: 347863

Ion Ratio Lower Upper

41 100

39 76.9 62.3 93.5

76 33.0 26.9 40.3



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

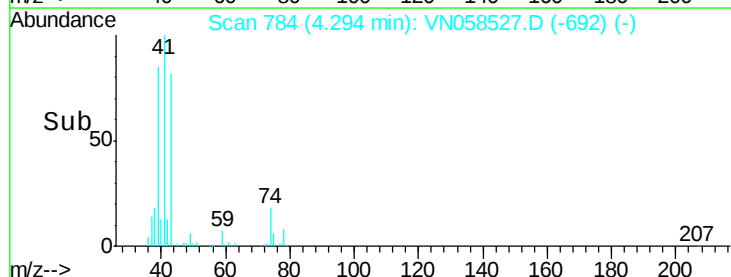
150000

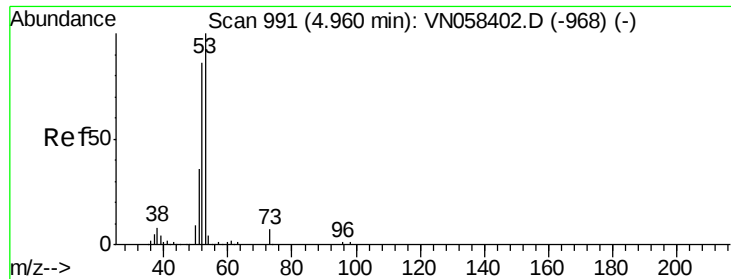
100000

50000

0

Time-->





#15

Acrylonitrile

Concen: 279.909 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

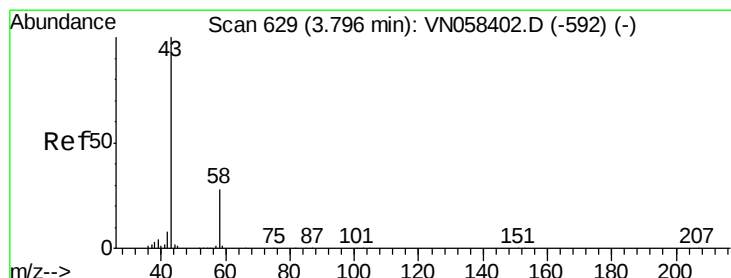
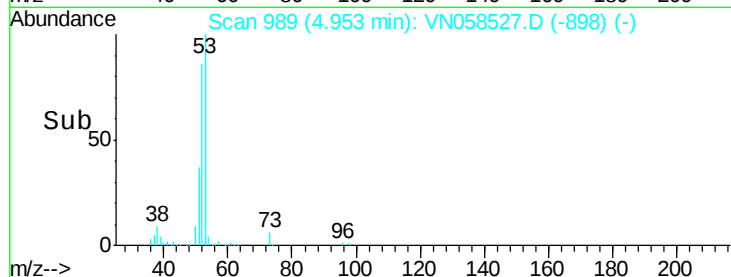
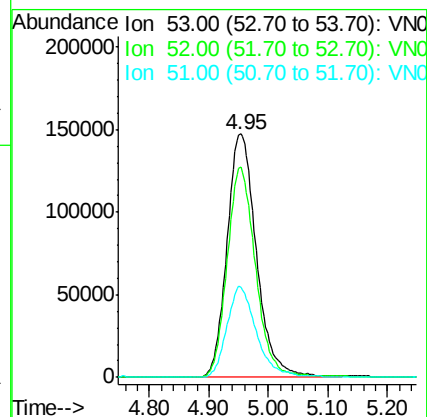
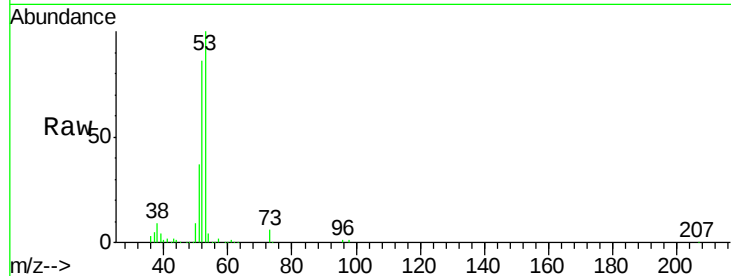
Tot Ion: 53 Resp: 505824

Ion Ratio Lower Upper

53 100

52 83.1 66.6 100.0

51 37.5 29.8 44.8



#16

Acetone

Concen: 213.629 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.01 min

Lab File: VN058527.D

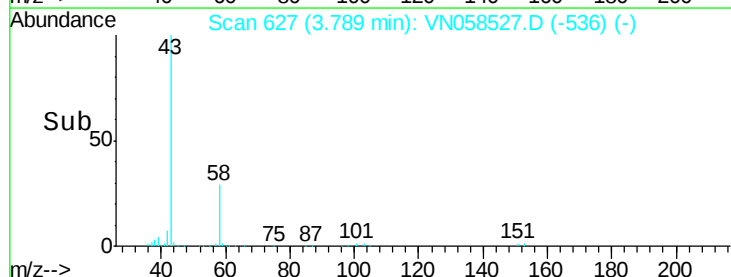
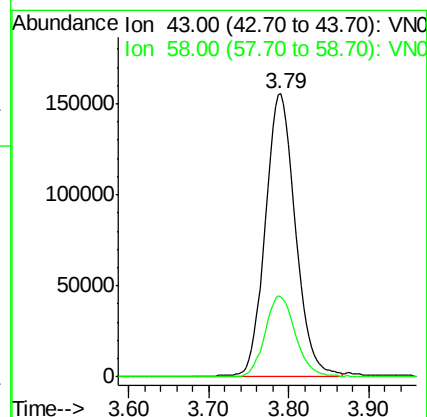
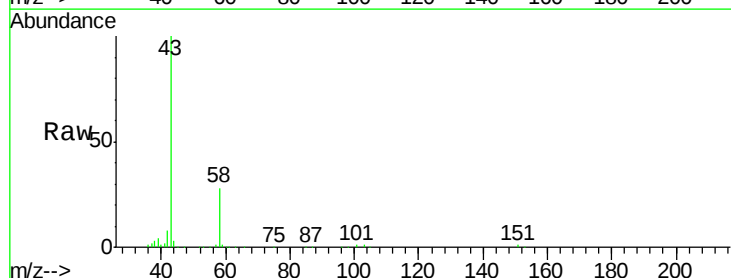
Acq: 4 Oct 2019 10:12

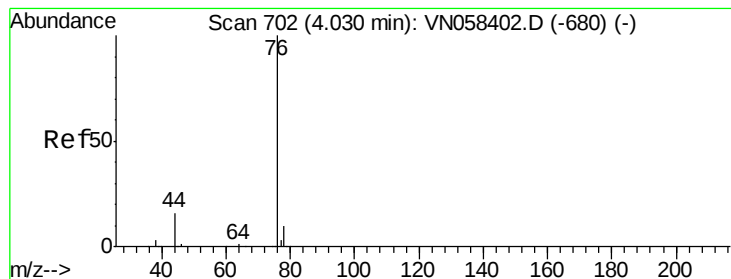
Tgt Ion: 43 Resp: 406461

Ion Ratio Lower Upper

43 100

58 28.4 22.4 33.6





#17

Carbon Disulfide

Concen: 48.781 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

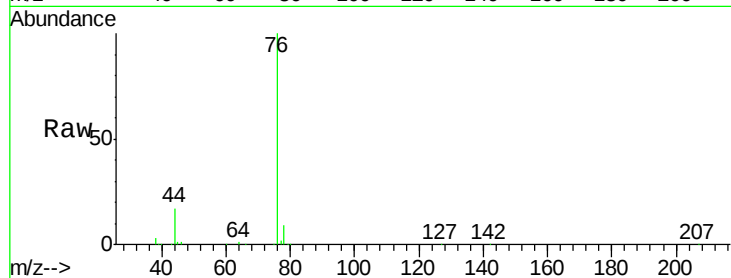
ClientSampleId :

Tot Ion: 76 Resp: 463306

Ion Ratio Lower Upper

76 100

78 8.8 7.7 11.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.03

200000

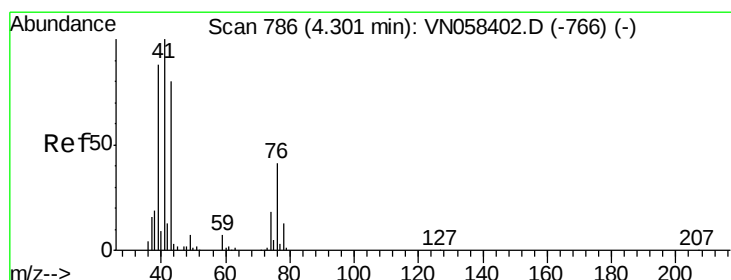
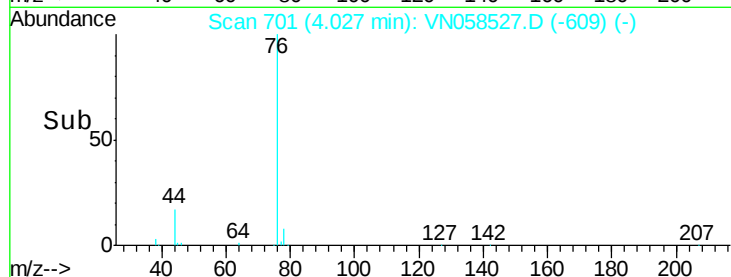
150000

100000

50000

0

Time--> 3.90 4.00 4.10



#18

Methyl Acetate

Concen: 53.281 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.01 min

Lab File: VN058527.D

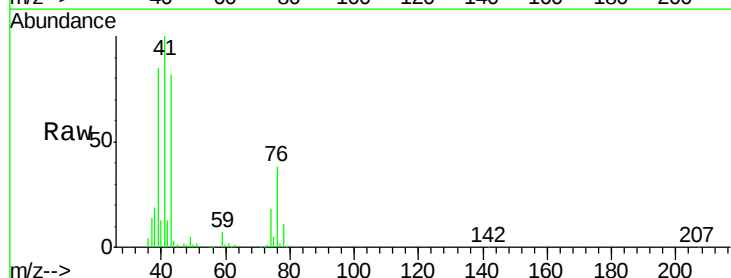
Acq: 4 Oct 2019 10:12

Tgt Ion: 43 Resp: 254971

Ion Ratio Lower Upper

43 100

74 22.4 18.0 27.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.29

100000

80000

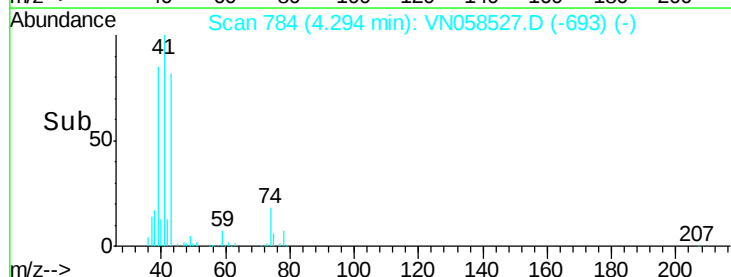
60000

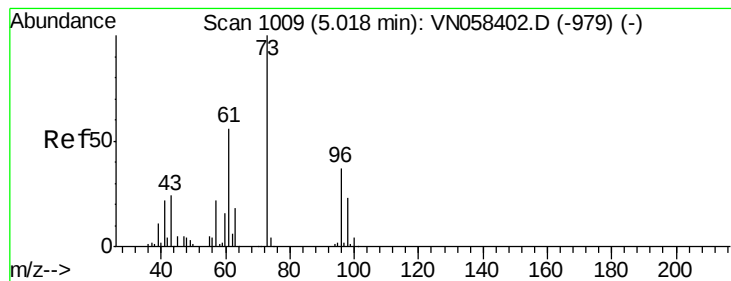
40000

20000

0

Time--> 4.20 4.30 4.40



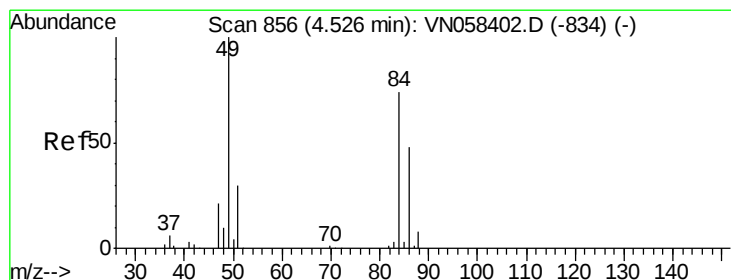
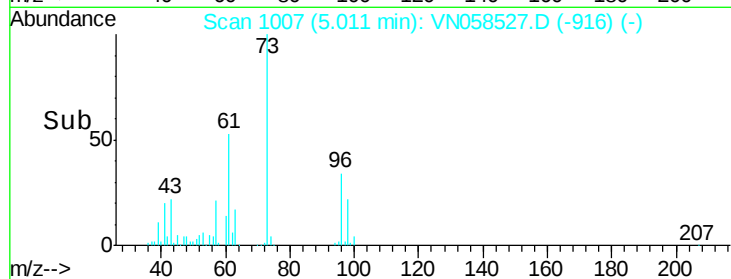
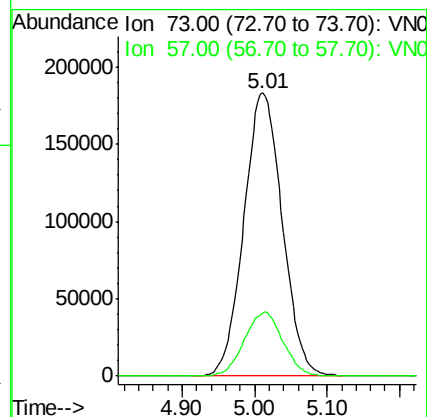
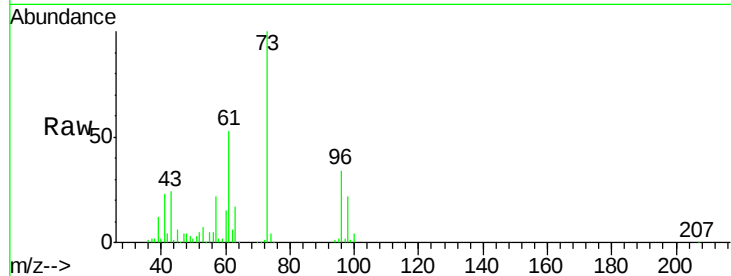


#19

Methyl tert-butyl Ether
 Concen: 53.182 ug/l
 RT: 5.01 min Scan# 1007
 Delta R.T. -0.01 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Instrument :
 MSVOA_N
 ClientSampleId :

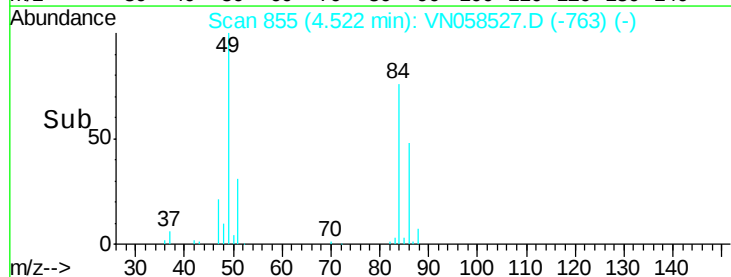
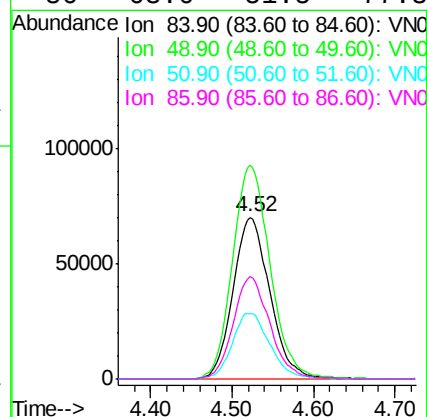
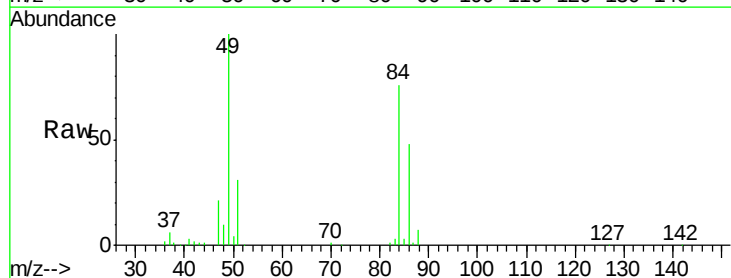
Tot Ion: 73 Resp: 676084
 Ion Ratio Lower Upper
 73 100
 57 22.3 17.6 26.4

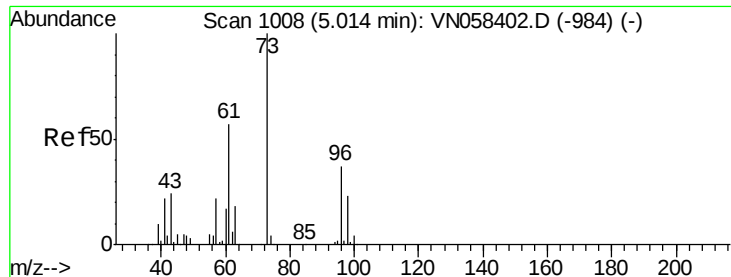


#20

Methylene Chloride
 Concen: 50.339 ug/l
 RT: 4.52 min Scan# 855
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion: 84 Resp: 221031
 Ion Ratio Lower Upper
 84 100
 49 131.9 107.9 161.9
 51 40.6 32.8 49.2
 86 63.0 51.5 77.3



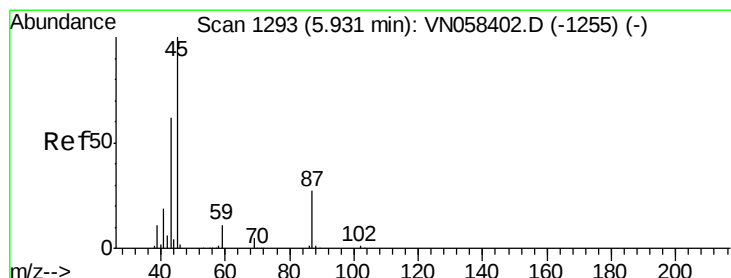
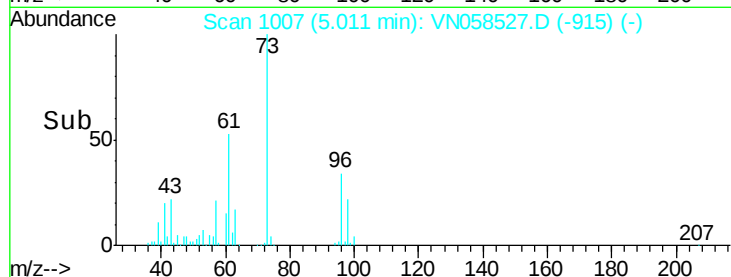
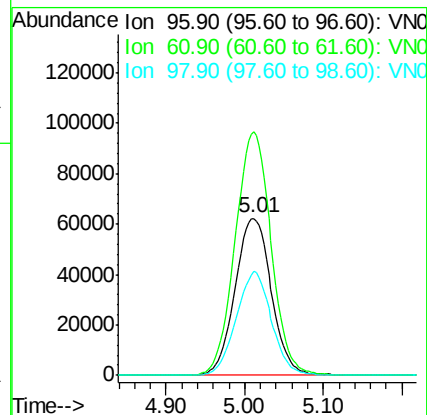
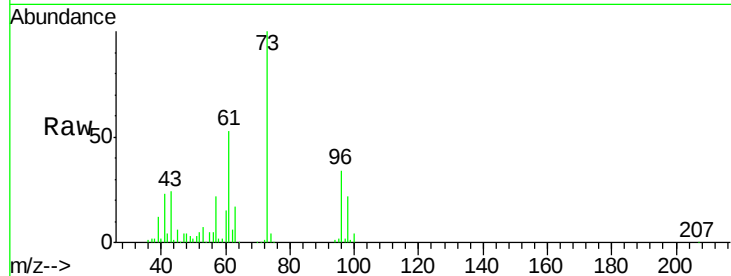


#21

trans-1,2-Dichloroethene
Concen: 50.165 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :

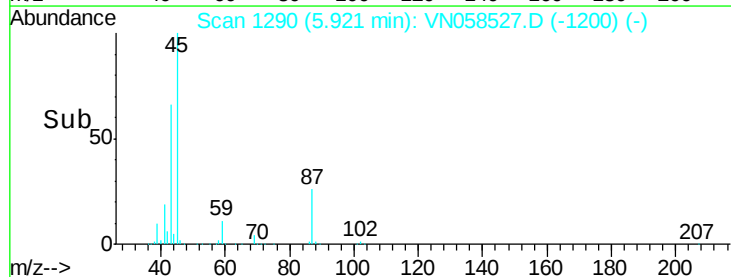
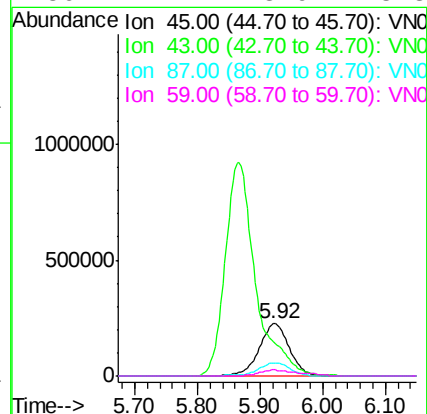
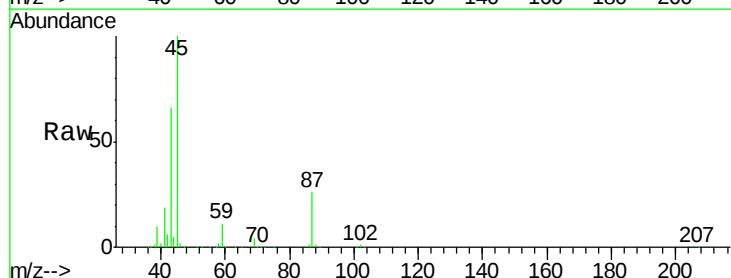
Tot Ion: 96 Resp: 200991
Ion Ratio Lower Upper
96 100
61 155.0 121.9 182.9
98 66.1 49.3 73.9

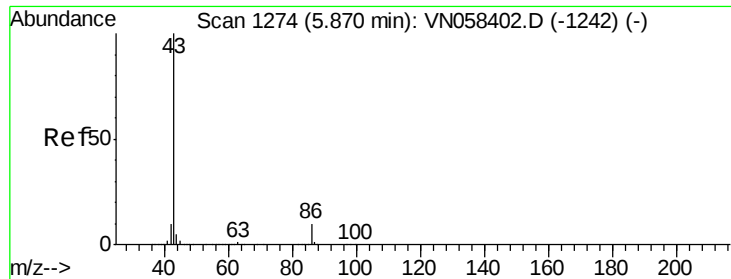


#22

Diisopropyl ether
Concen: 53.665 ug/l
RT: 5.92 min Scan# 1290
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 45 Resp: 757207
Ion Ratio Lower Upper
45 100
43 65.6 49.7 74.5
87 25.6 21.5 32.3
59 11.2 8.9 13.3





#23

Vinyl Acetate

Concen: 292.226 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

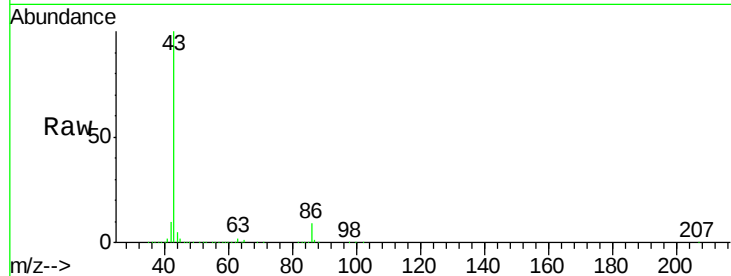
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 3109017

Ion Ratio Lower Upper

43 100

86 9.4 7.7 11.5



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.87

1000000

800000

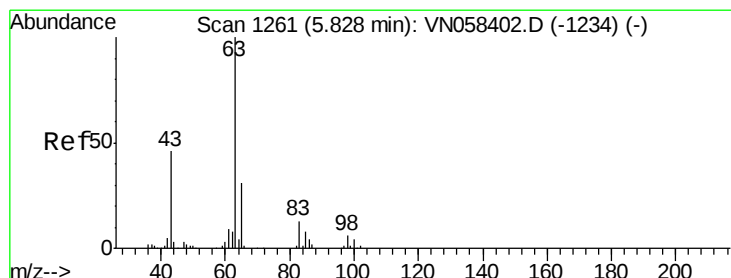
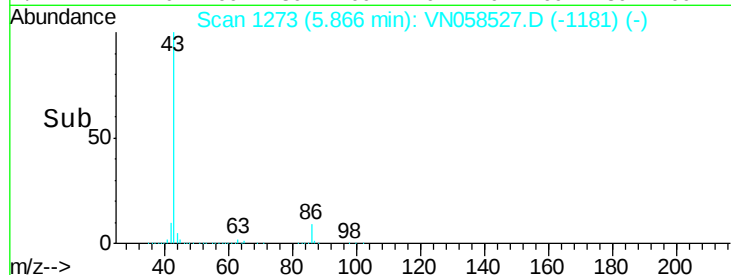
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 53.278 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

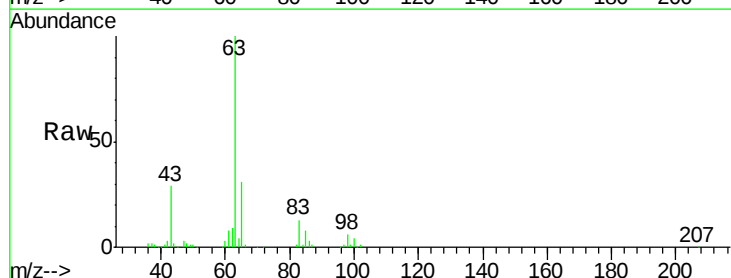
Tgt Ion: 63 Resp: 423083

Ion Ratio Lower Upper

63 100

98 5.6 3.0 9.0

100 3.8 2.0 5.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

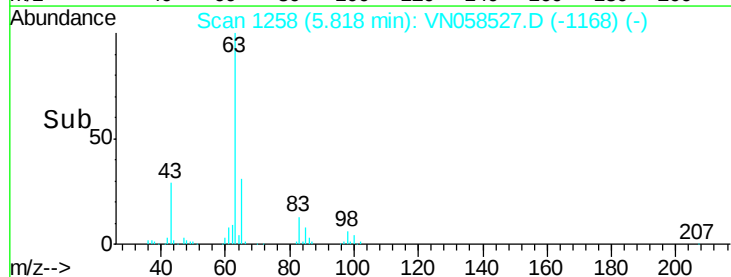
150000

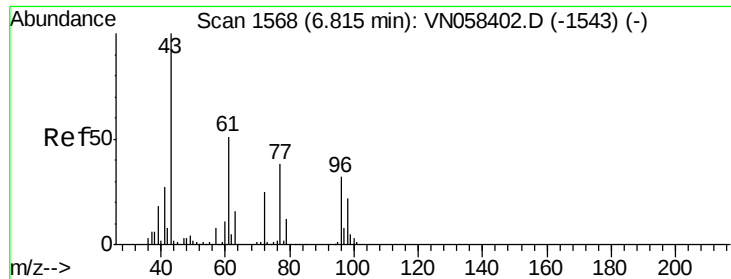
100000

50000

0

Time-->

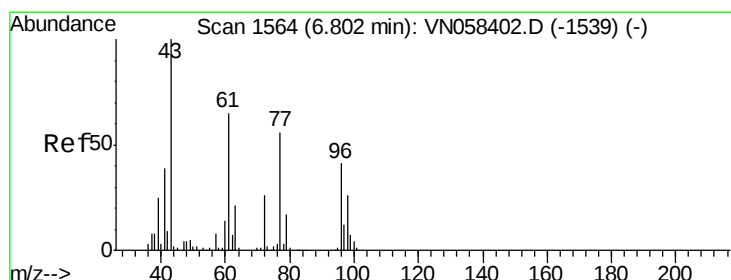
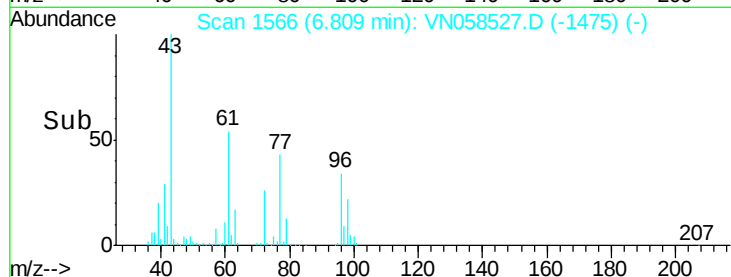
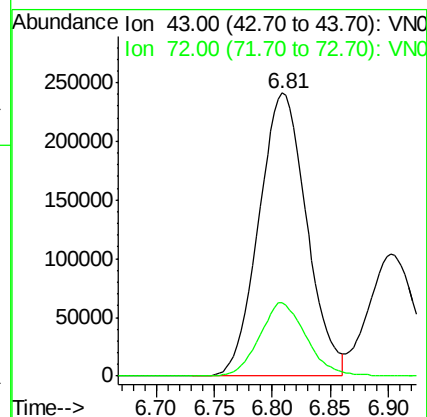
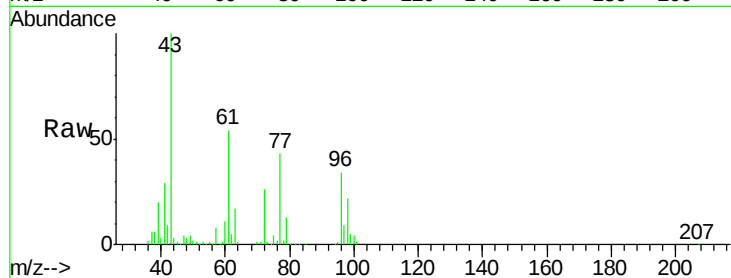




#25
2-Butanone
Concen: 263.690 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

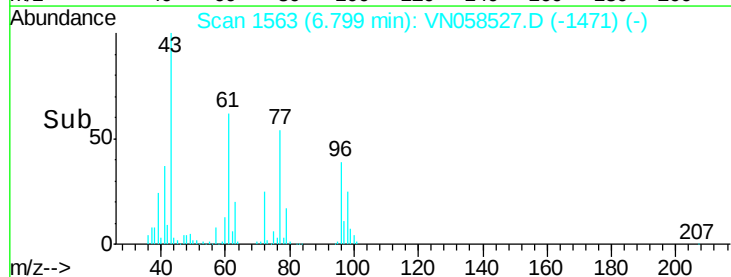
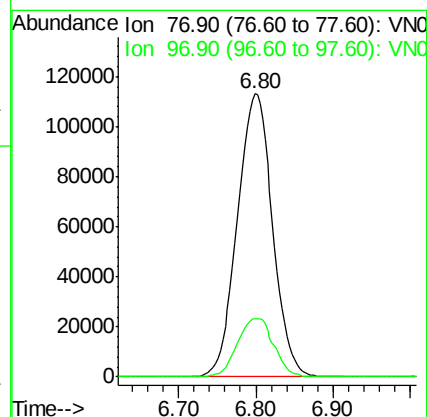
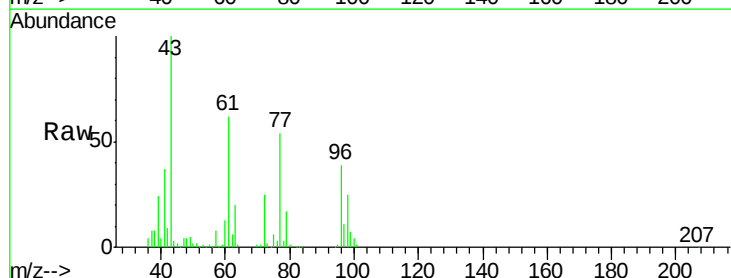
Instrument :
MSVOA_N
ClientSampleId :

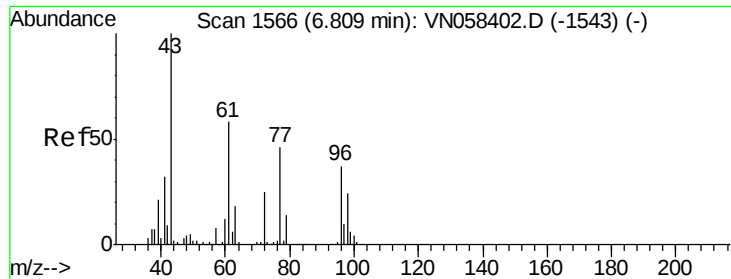
Tot Ion: 43 Resp: 688832
Ion Ratio Lower Upper
43 100
72 25.9 20.2 30.4



#26
2,2-Dichloropropane
Concen: 54.718 ug/l
RT: 6.80 min Scan# 1563
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 77 Resp: 357219
Ion Ratio Lower Upper
77 100
97 21.3 10.9 32.6





#27

cis-1,2-Dichloroethene

Concen: 51.818 ug/l

RT: 6.80 min Scan# 1564

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :

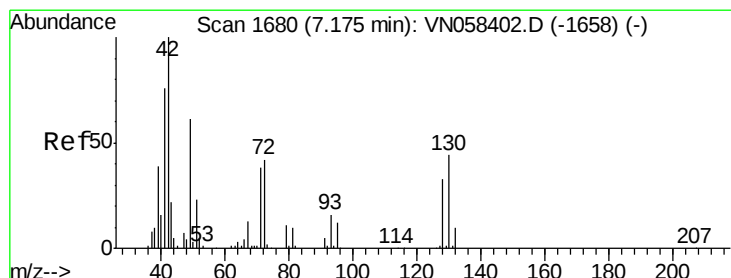
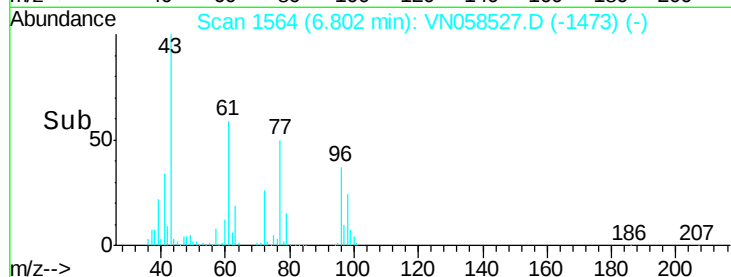
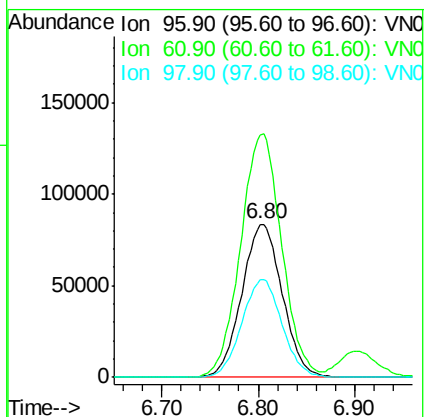
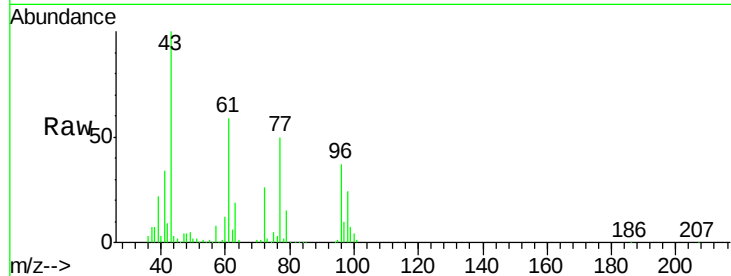
Tot Ion: 96 Resp: 242654

Ion Ratio Lower Upper

96 100

61 161.6 0.0 318.8

98 63.8 0.0 129.8



#28

Bromochloromethane

Concen: 54.418 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

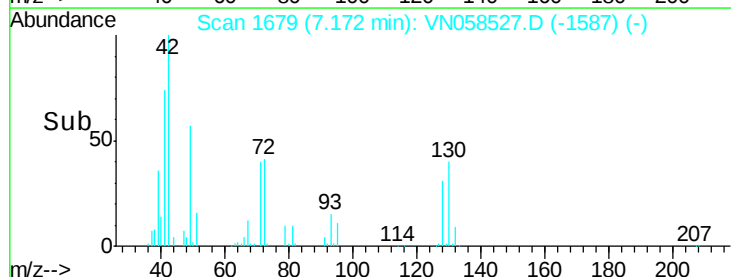
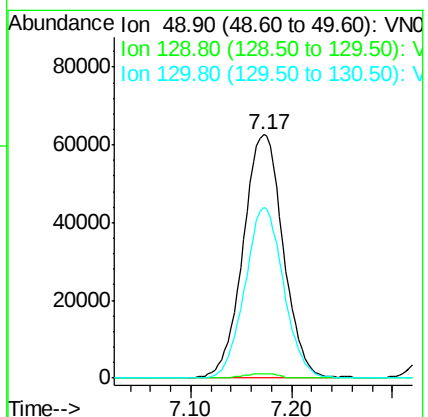
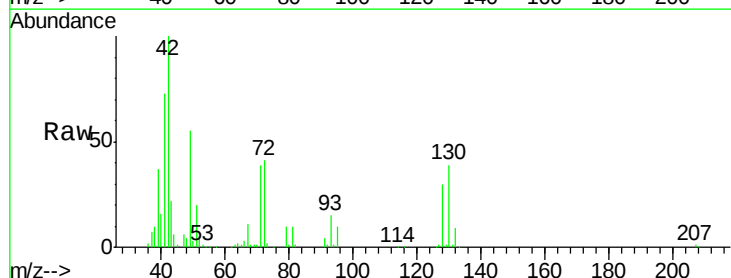
Tgt Ion: 49 Resp: 172735

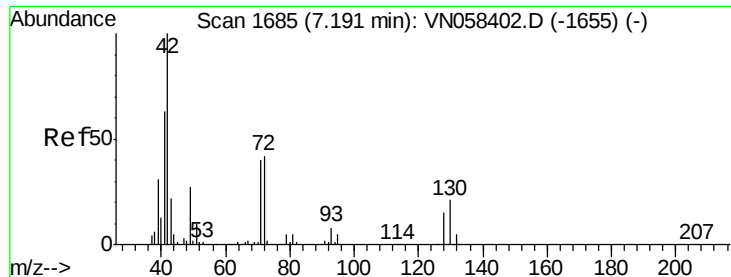
Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.4

130 67.5 56.3 84.5

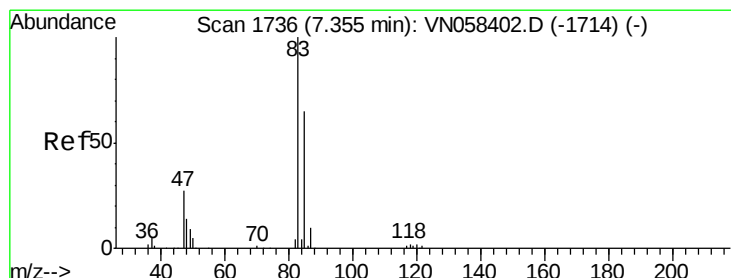
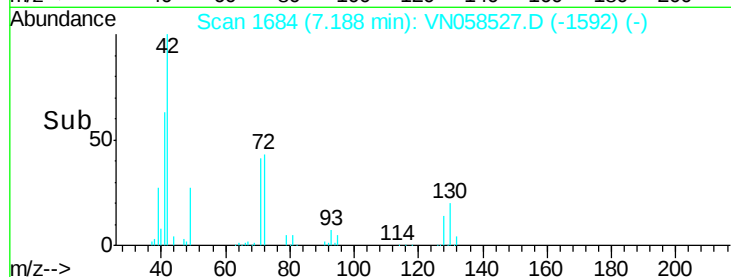
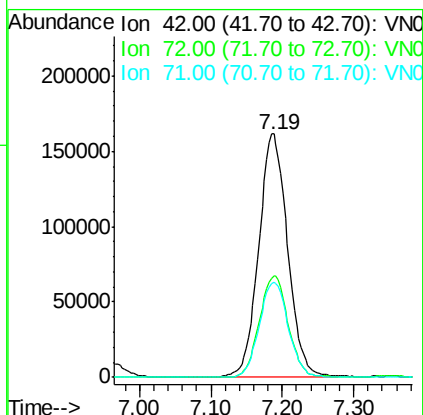
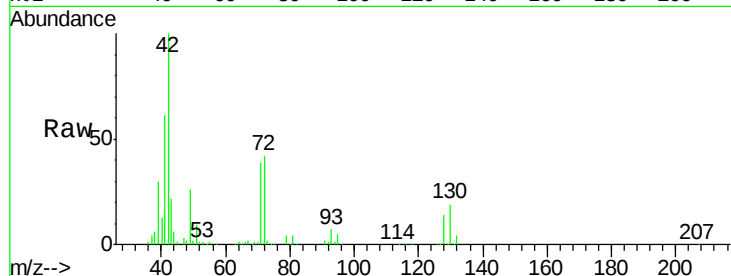




#29
Tetrahydrofuran
Concen: 274.066 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

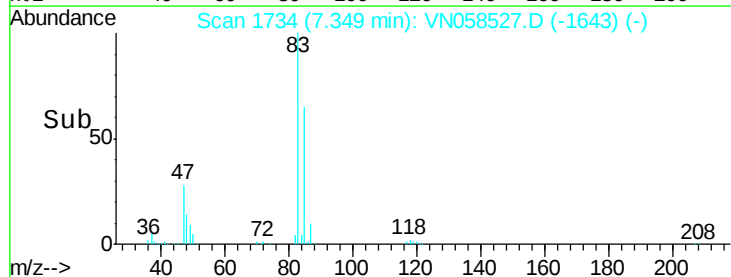
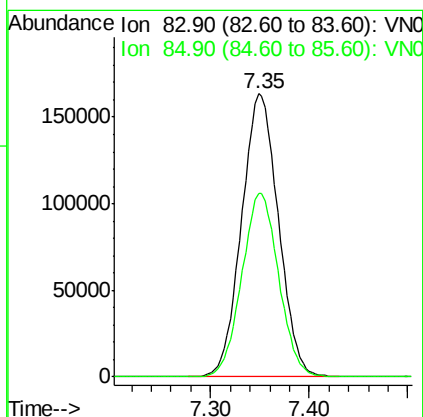
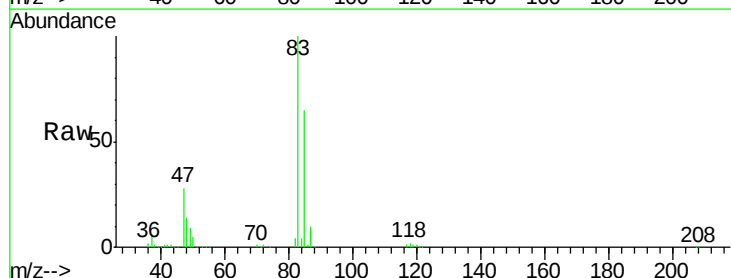
Instrument :
MSVOA_N
ClientSampled :

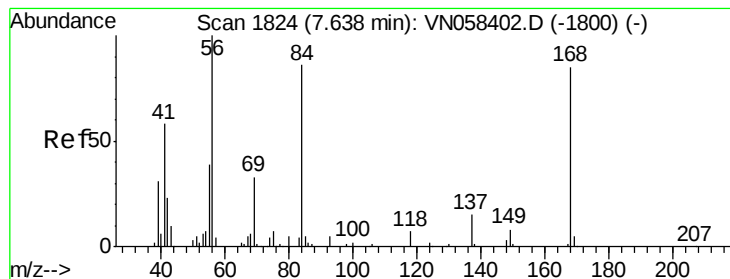
Tot Ion: 42 Resp: 454400
Ion Ratio Lower Upper
42 100
72 41.5 33.7 50.5
71 39.2 31.8 47.6



#30
Chloroform
Concen: 52.531 ug/l
RT: 7.35 min Scan# 1734
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 83 Resp: 422709
Ion Ratio Lower Upper
83 100
85 65.0 52.0 78.0





#31

Cyclohexane

Concen: 47.256 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

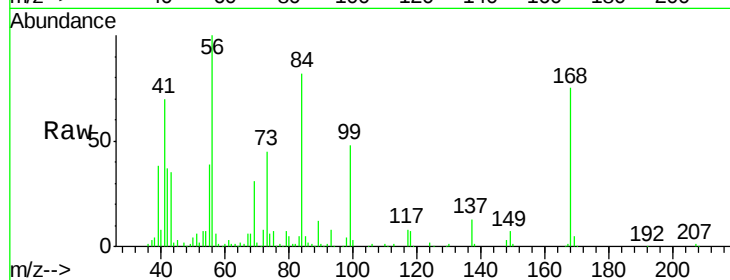
Tot Ion: 56 Resp: 365025

Ion Ratio Lower Upper

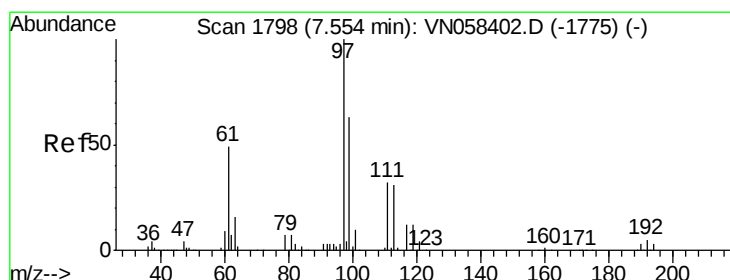
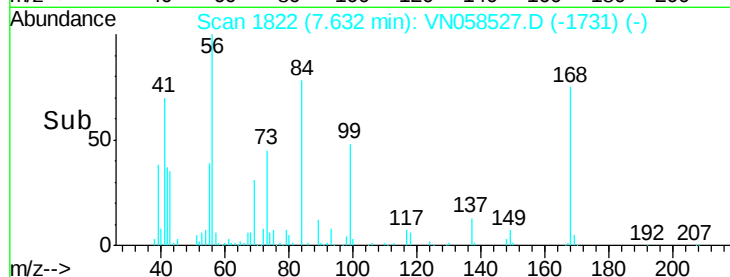
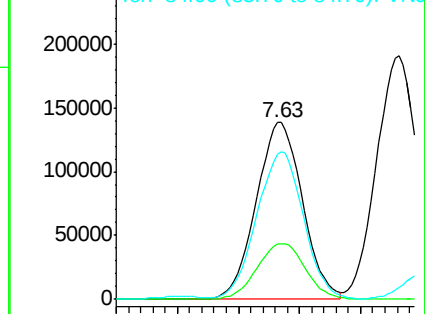
56 100

69 31.3 26.2 39.4

84 80.7 67.6 101.4



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



#32

1,1,1-Trichloroethane

Concen: 53.981 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.01 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

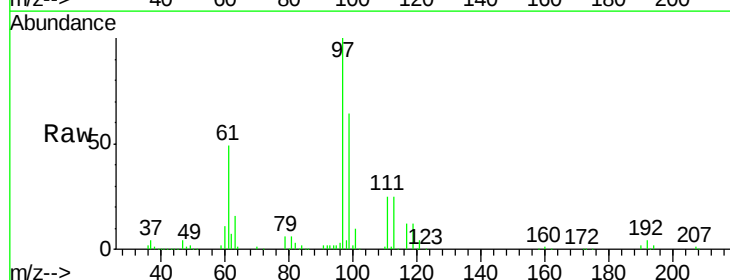
Tgt Ion: 97 Resp: 356706

Ion Ratio Lower Upper

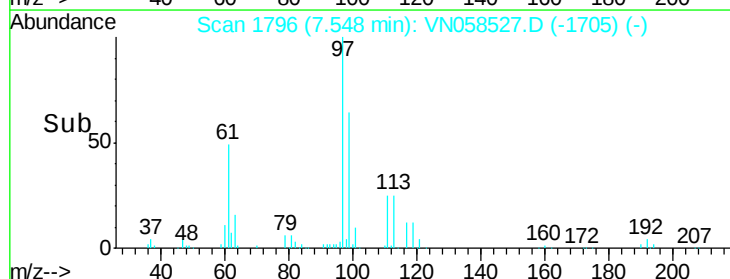
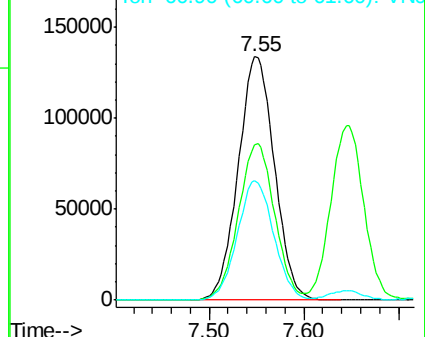
97 100

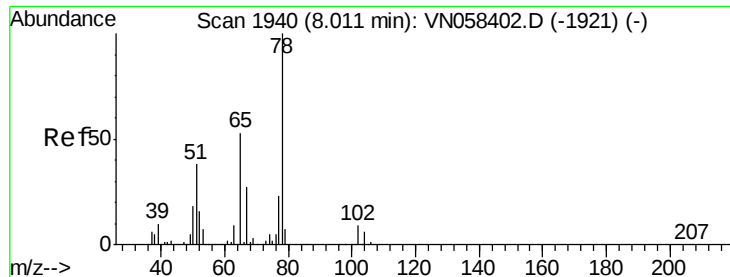
99 64.3 51.1 76.7

61 49.3 39.2 58.8



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





#33

1,2-Dichloroethane-d4

Concen: 49.455 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

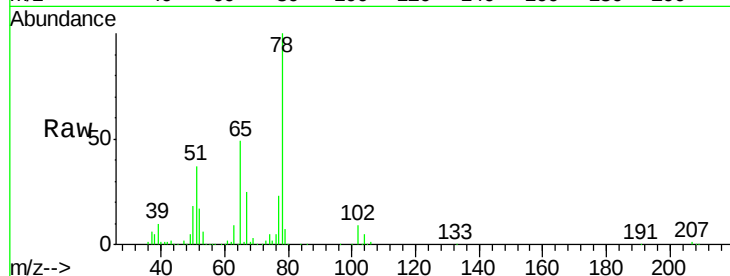
ClientSampleId :

Tot Ion: 65 Resp: 276027

Ion Ratio Lower Upper

65 100

67 51.7 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

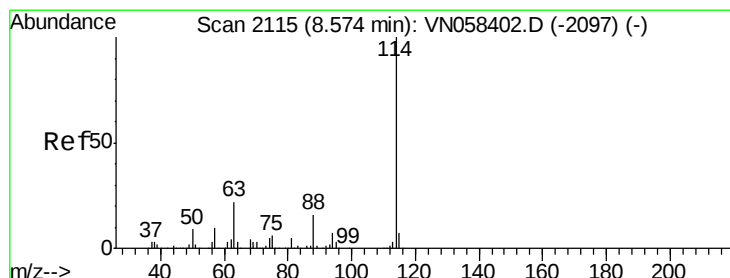
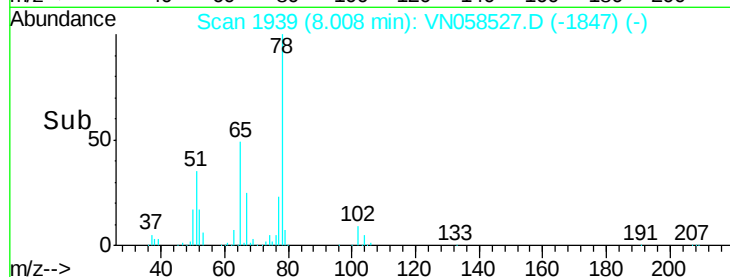
8.01

100000

50000

0

Time--> 7.90 7.95 8.00 8.05 8.10



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2114

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

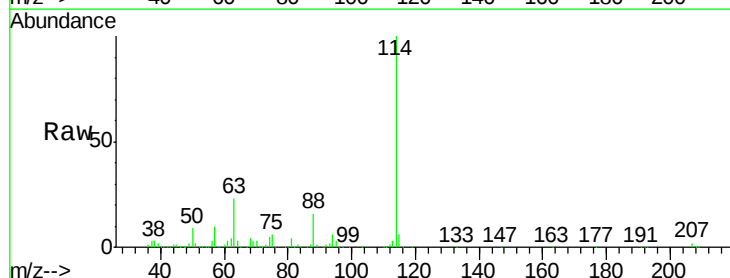
Tgt Ion: 114 Resp: 642540

Ion Ratio Lower Upper

114 100

63 22.5 0.0 45.0

88 16.1 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.57

400000

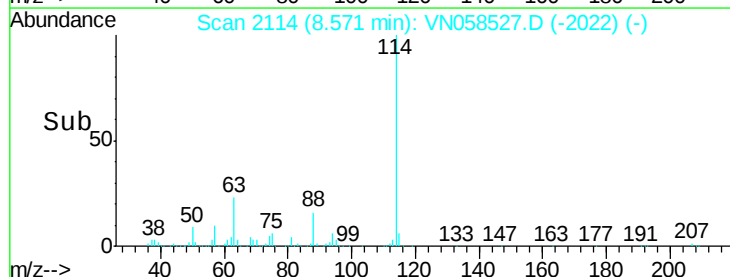
300000

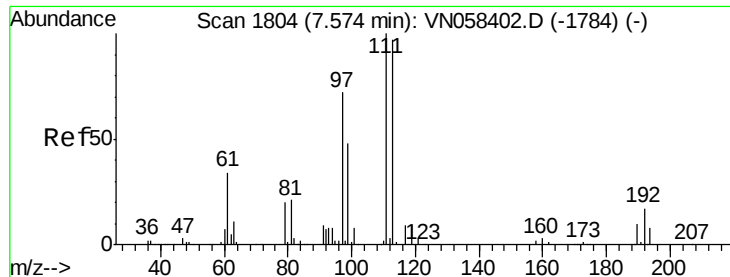
200000

100000

0

Time--> 8.50 8.60 8.70

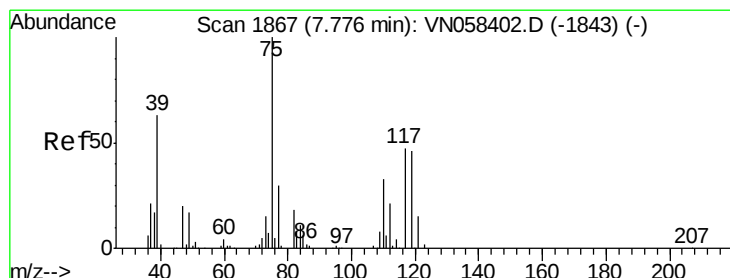
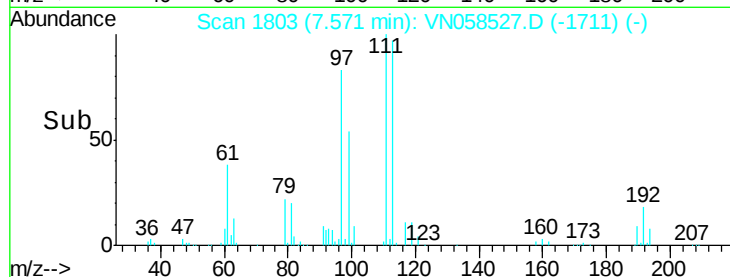
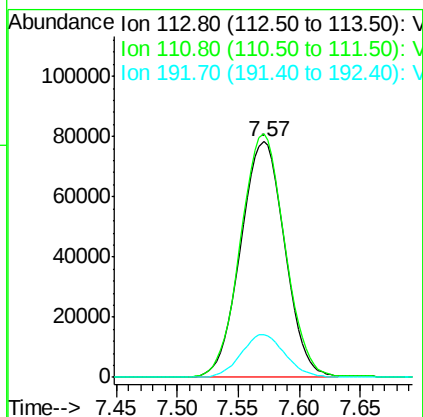
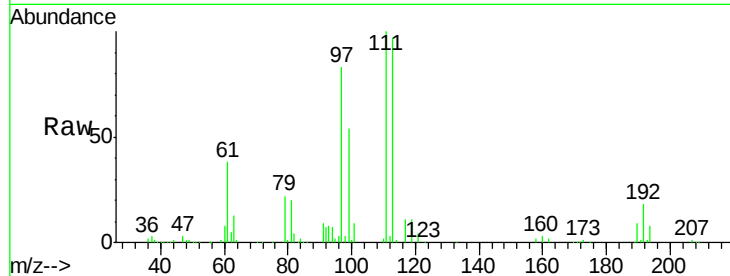




#35
 Dibromofluoromethane
 Concen: 49.896 ug/l
 RT: 7.57 min Scan# 1803
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

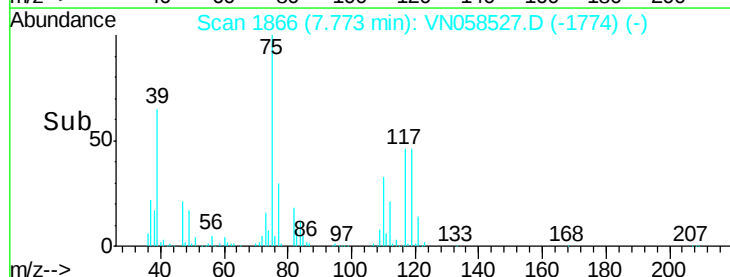
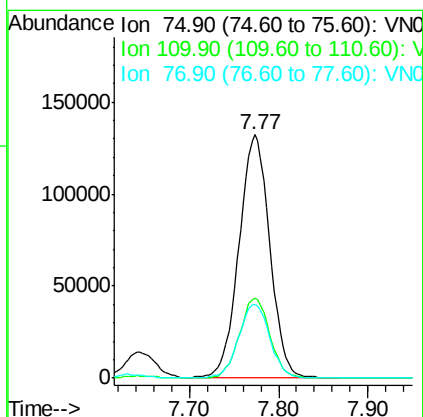
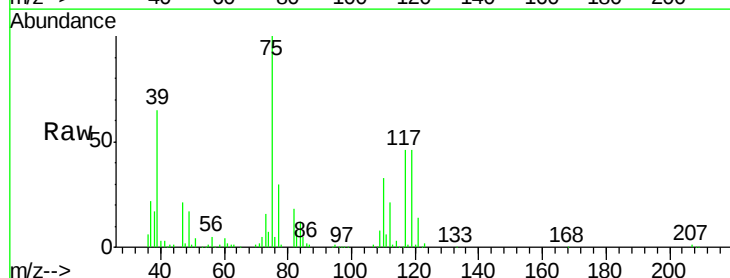
Instrument :
 MSVOA_N
 ClientSampleId :

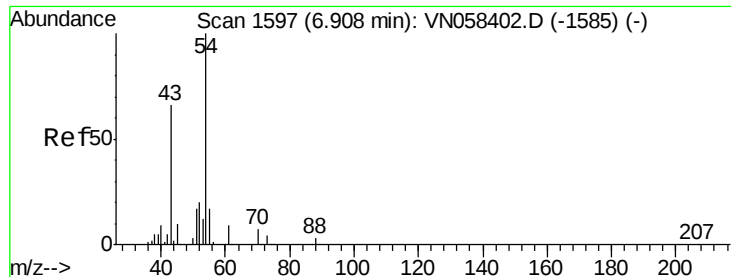
Tot Ion:113 Resp: 196492
 Ion Ratio Lower Upper
 113 100
 111 103.6 83.4 125.2
 192 18.1 14.9 22.3



#36
 1,1-Dichloropropene
 Concen: 51.507 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion: 75 Resp: 316455
 Ion Ratio Lower Upper
 75 100
 110 32.6 16.4 49.2
 77 31.0 24.3 36.5

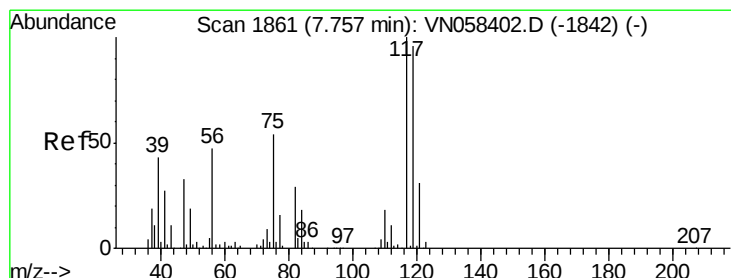
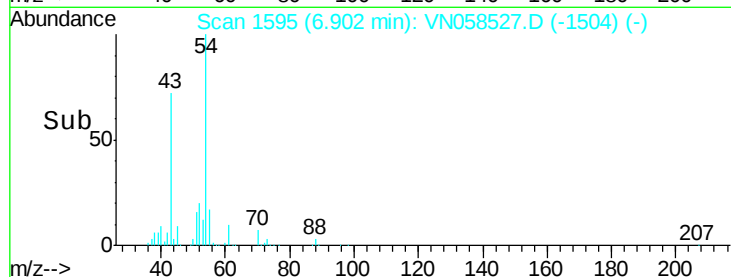
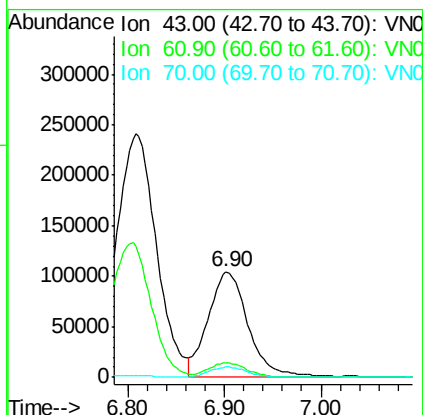
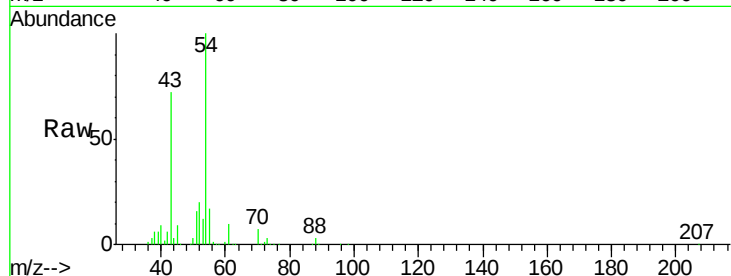




#37
Ethyl Acetate
Concen: 56.662 ug/l
RT: 6.90 min Scan# 1595
Delta R.T. -0.01 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

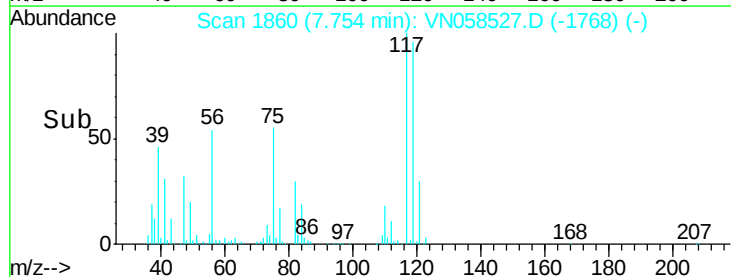
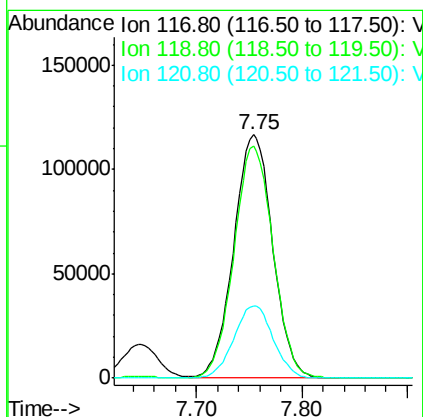
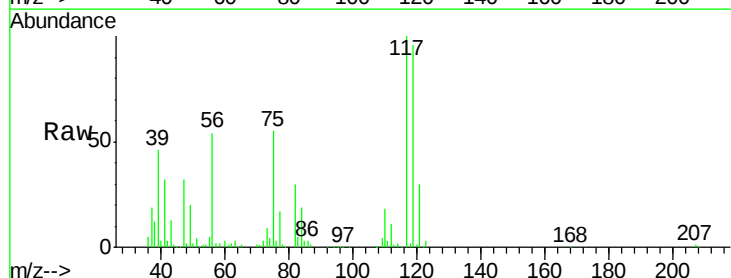
Instrument :
MSVOA_N
ClientSampleId :

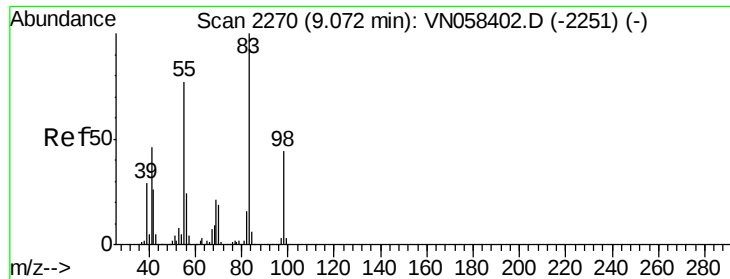
Tot Ion: 43 Resp: 295152
Ion Ratio Lower Upper
43 100
61 13.5 10.5 15.7
70 9.5 7.8 11.6



#38
Carbon Tetrachloride
Concen: 53.988 ug/l
RT: 7.75 min Scan# 1860
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 117 Resp: 299404
Ion Ratio Lower Upper
117 100
119 95.6 76.6 115.0
121 29.7 24.7 37.1

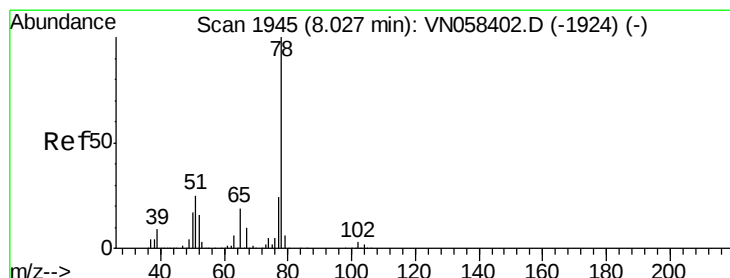
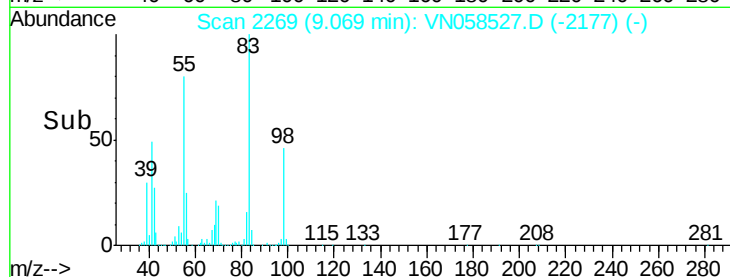
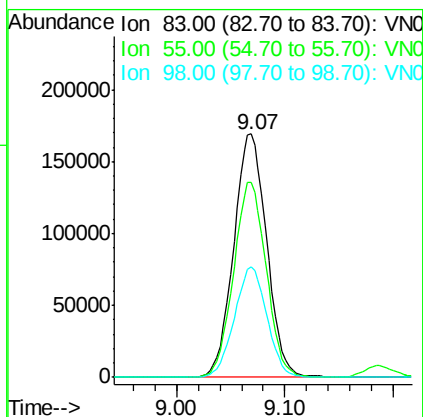
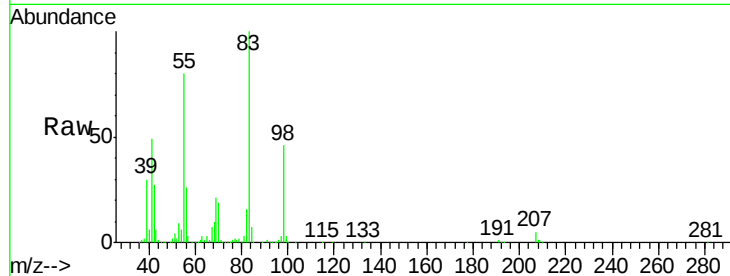




#39
Methvlcvclohexane
Concen: 50.198 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

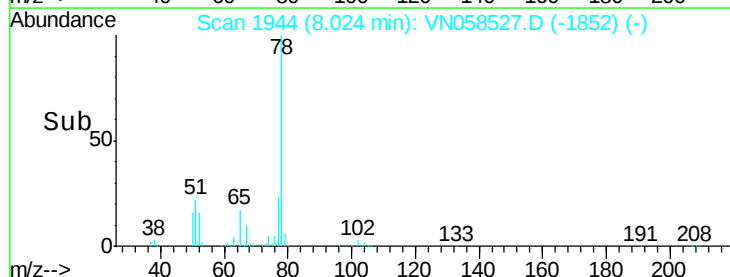
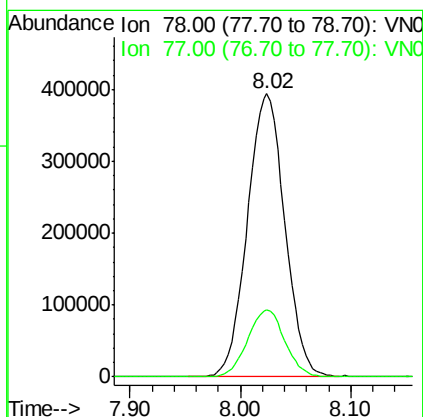
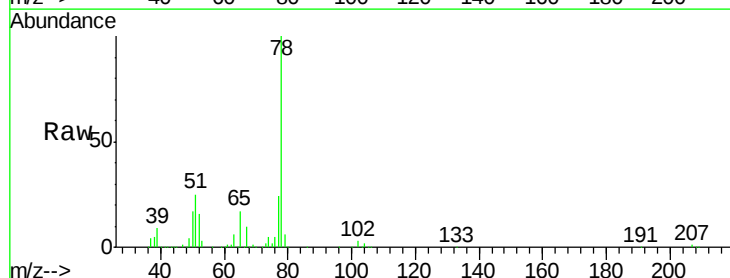
Instrument :
MSVOA_N
ClientSampled :

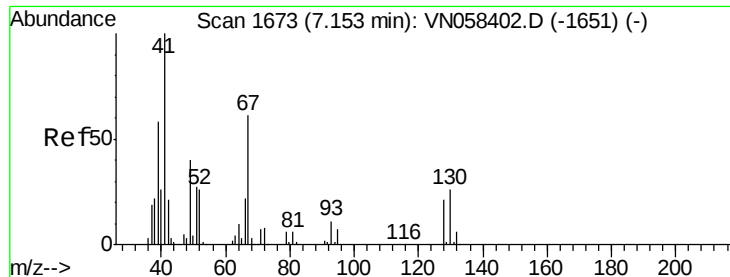
Tot Ion: 83 Resp: 360162
Ion Ratio Lower Upper
83 100
55 80.3 61.8 92.6
98 45.6 35.4 53.0



#40
Benzene
Concen: 52.342 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 78 Resp: 924396
Ion Ratio Lower Upper
78 100
77 23.8 18.9 28.3

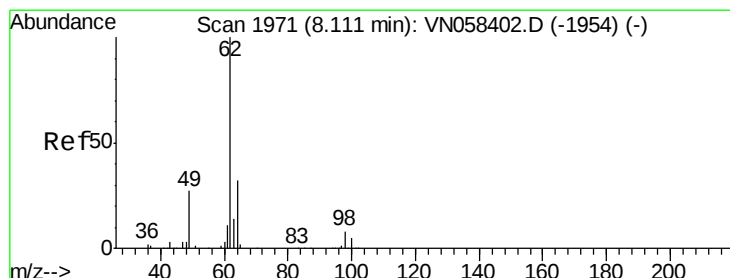
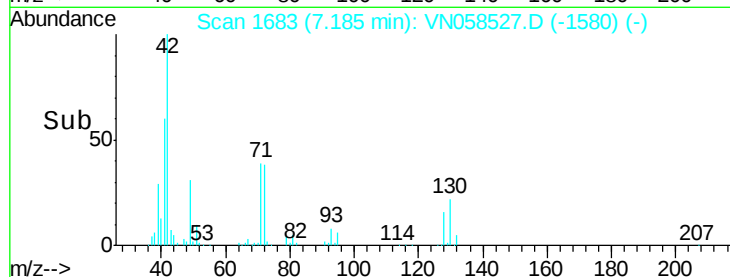
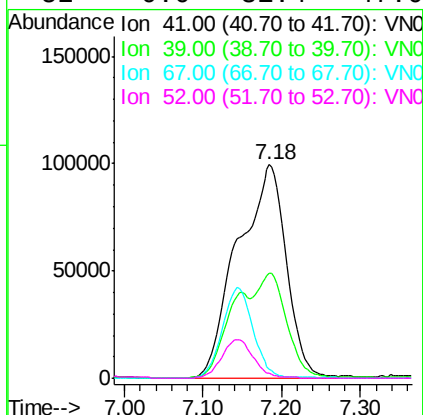
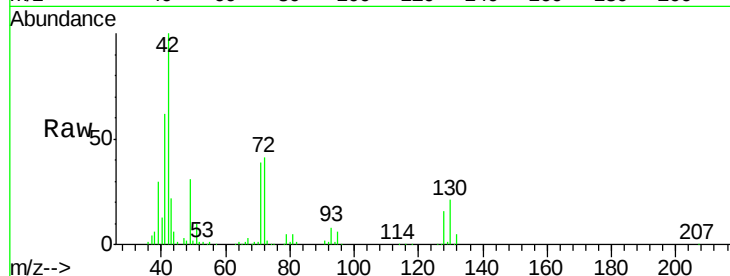




#41
Methacrylonitrile
Concen: 178.834 ug/l
RT: 7.18 min Scan# 1683
Delta R.T. 0.03 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

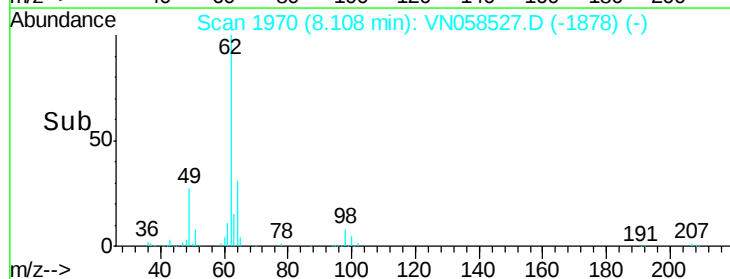
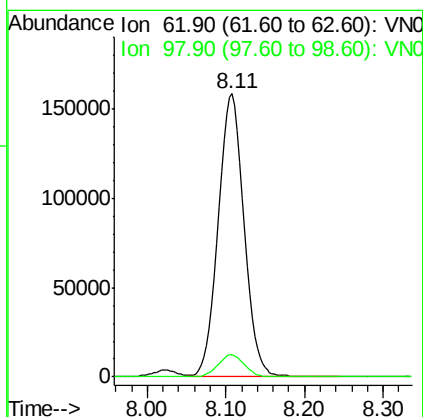
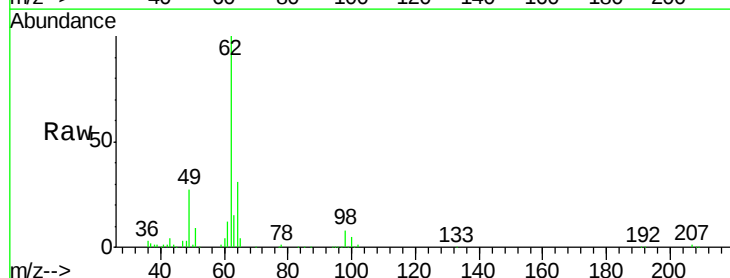
Instrument :
MSVOA_N
ClientSampled :

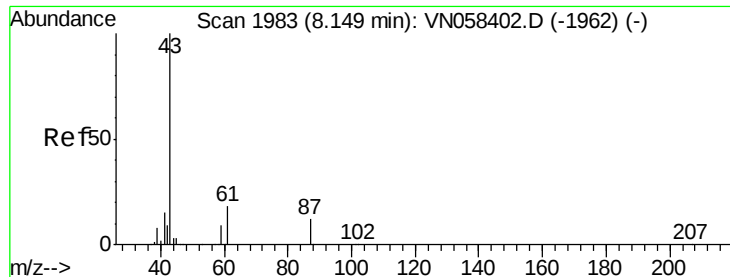
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	50.2	75.4#
67	0.0	70.2	105.4#
52	0.0	31.4	47.0#



#42
1,2-Dichloroethane
Concen: 52.185 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.9	0.0	15.6





#43

Isopropyl Acetate

Concen: 52.731 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

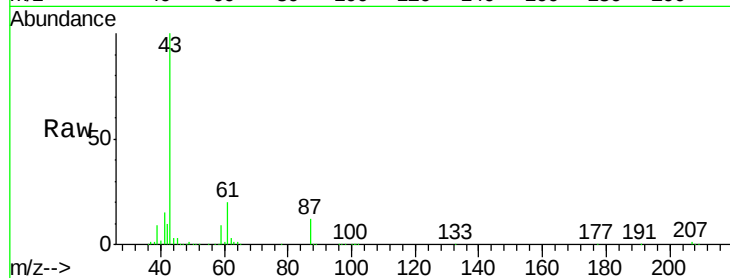
Tot Ion: 43 Resp: 516524

Ion Ratio Lower Upper

43 100

61 25.9 14.8 22.2#

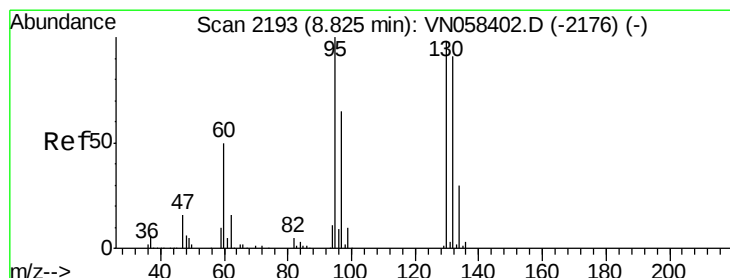
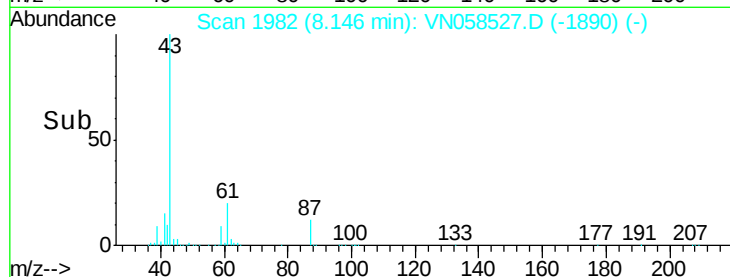
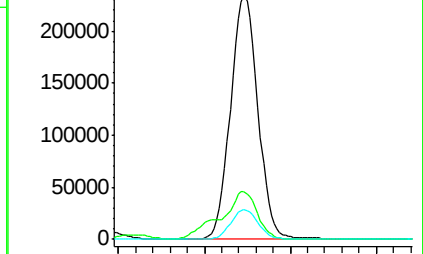
87 12.2 9.7 14.5



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN058402.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN058402.D (-1962) (-)



#44

Trichloroethene

Concen: 53.383 ug/l

RT: 8.82 min Scan# 2192

Delta R.T. -0.00 min

Lab File: VN058527.D

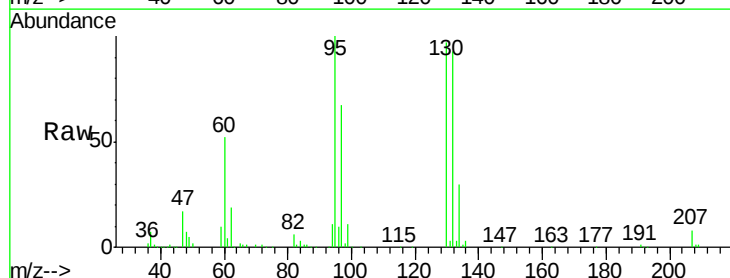
Acq: 4 Oct 2019 10:12

Tgt Ion:130 Resp: 232791

Ion Ratio Lower Upper

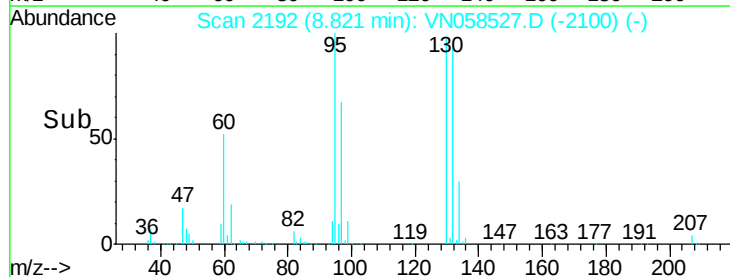
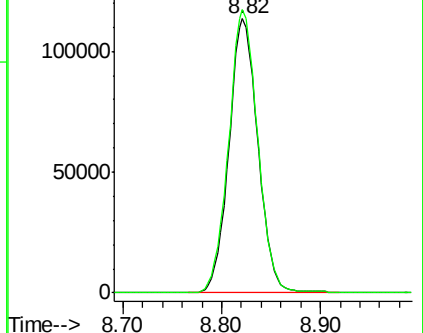
130 100

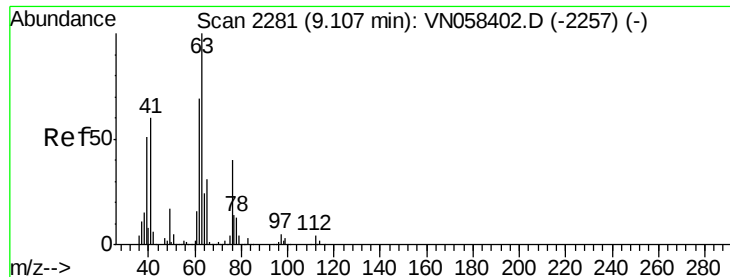
95 103.4 0.0 204.2



Abundance Ion 129.80 (129.50 to 130.50): VN058402.D (-2176) (-)

Ion 94.90 (94.60 to 95.60): VN058402.D (-2176) (-)





#45

1,2-Dichloropropane

Concen: 54.280 ug/l

RT: 9.11 min Scan# 2281

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

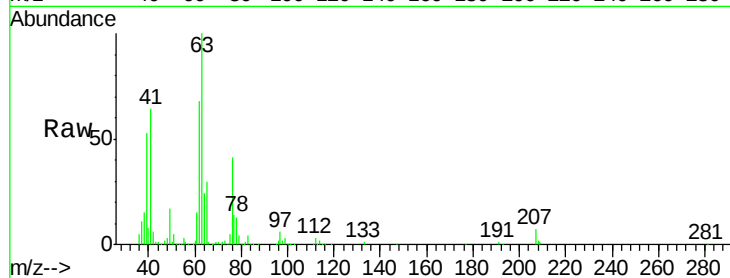
ClientSampled :

Tot Ion: 63 Resp: 257094

Ion Ratio Lower Upper

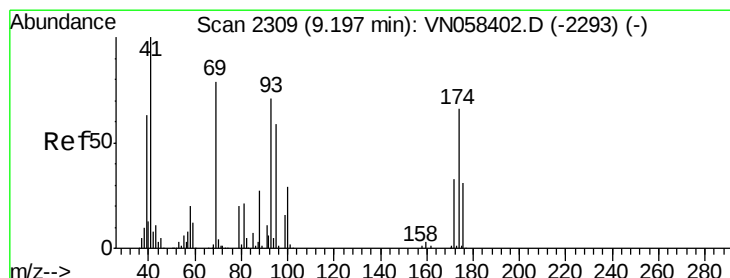
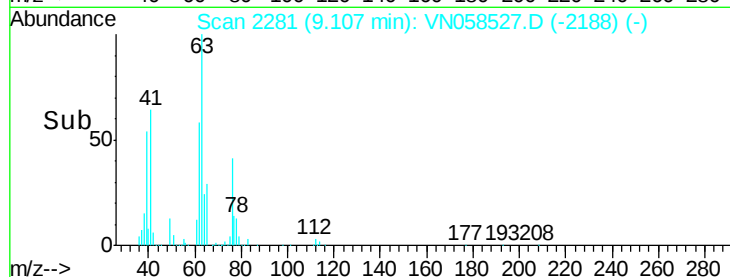
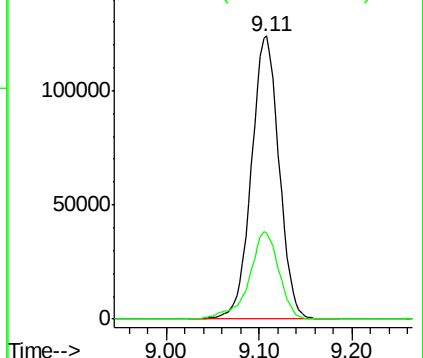
63 100

65 30.4 25.0 37.4



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO



#46

Dibromomethane

Concen: 53.753 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

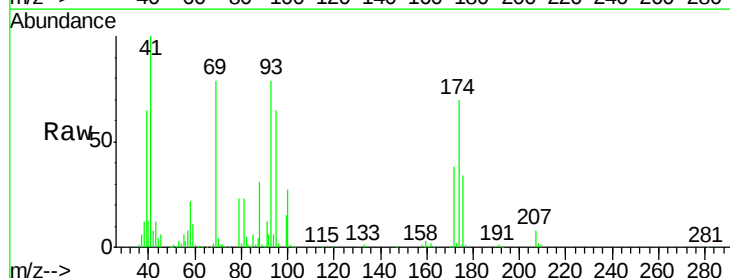
Tgt Ion: 93 Resp: 161235

Ion Ratio Lower Upper

93 100

95 81.9 67.0 100.4

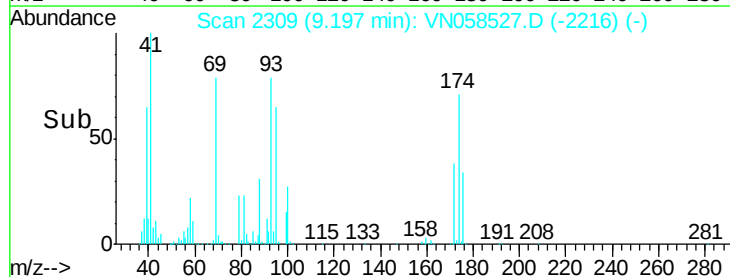
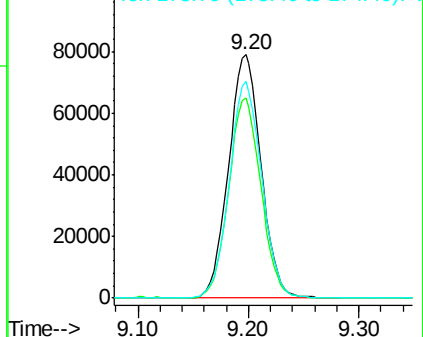
174 88.5 74.2 111.2

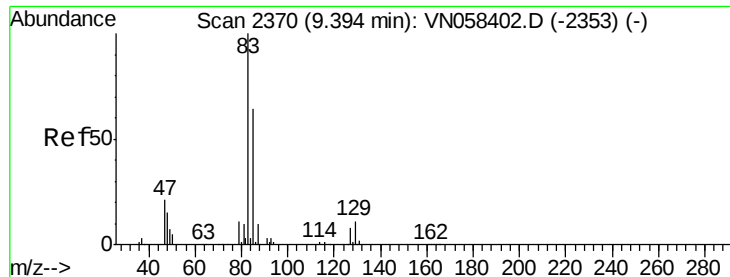


Abundance Ion 92.80 (92.50 to 93.50): VNO

Ion 94.80 (94.50 to 95.50): VNO

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 56.662 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :

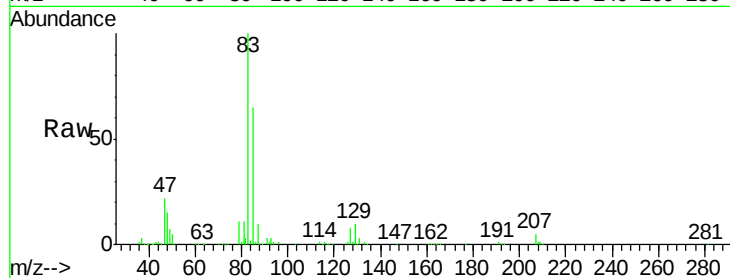
Tot Ion: 83 Resp: 322020

Ion Ratio Lower Upper

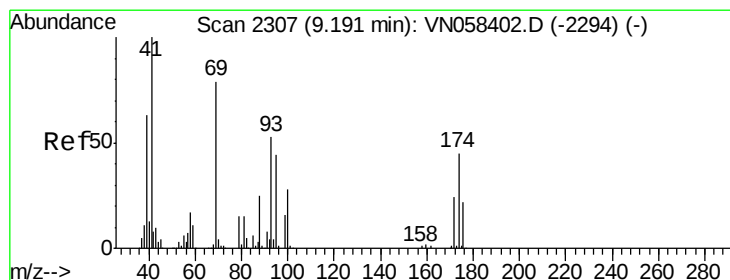
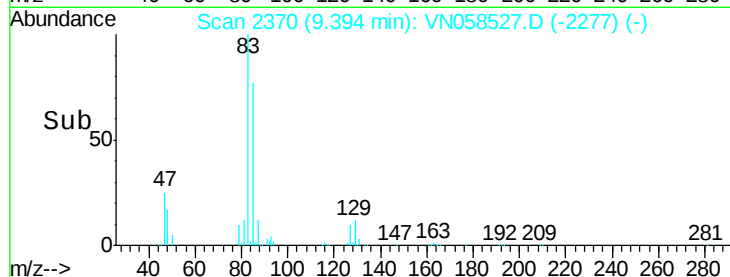
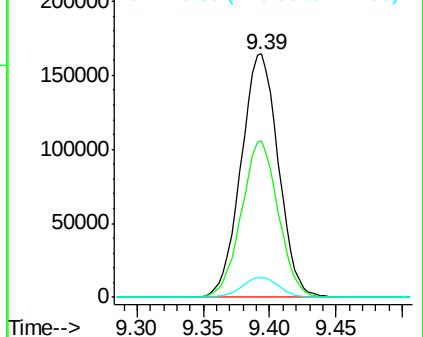
83 100

85 64.6 51.2 76.8

127 8.2 6.3 9.5



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



#48

Methyl methacrylate

Concen: 55.893 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

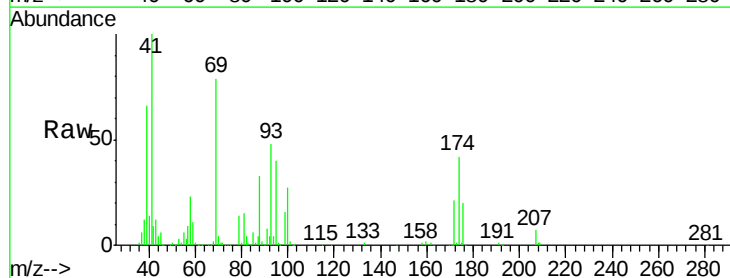
Tgt Ion: 41 Resp: 249301

Ion Ratio Lower Upper

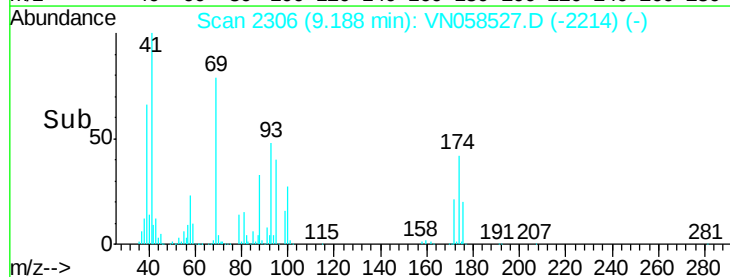
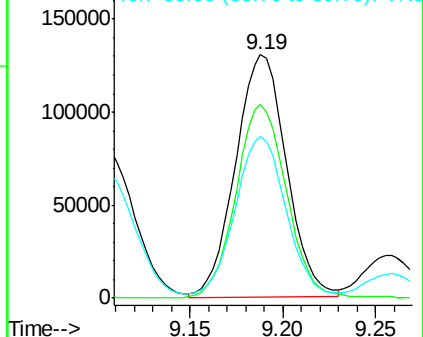
41 100

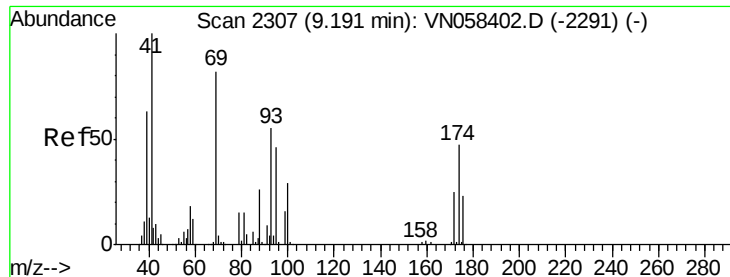
69 79.5 64.7 97.1

39 66.6 52.9 79.3



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

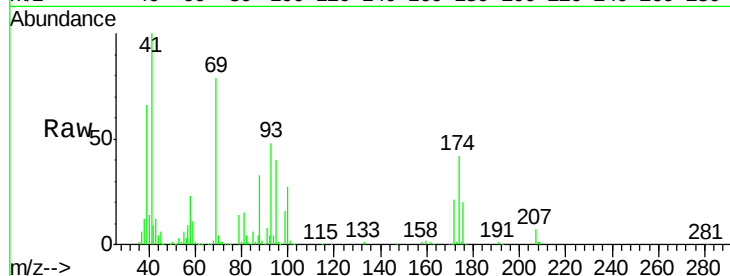




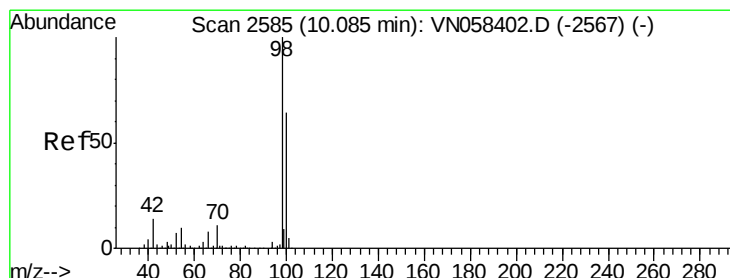
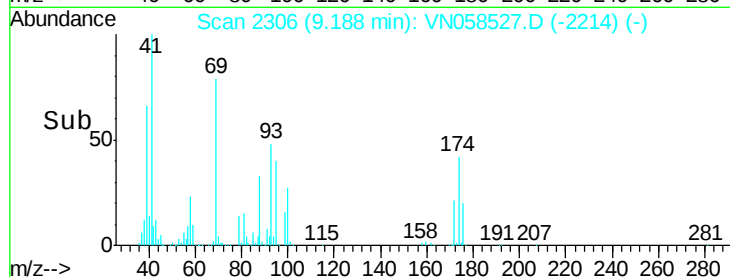
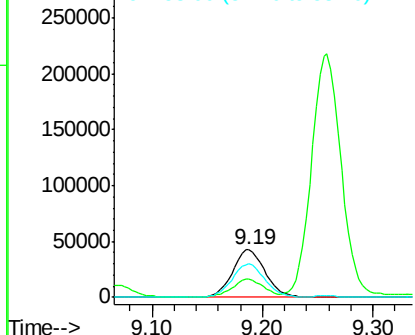
#49
1,4-Dioxane
Concen: 1460.766 ug/l
RT: 9.19 min Scan# 2306
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 87120
Ion Ratio Lower Upper
88 100
43 35.3 31.1 46.7
58 71.2 58.1 87.1

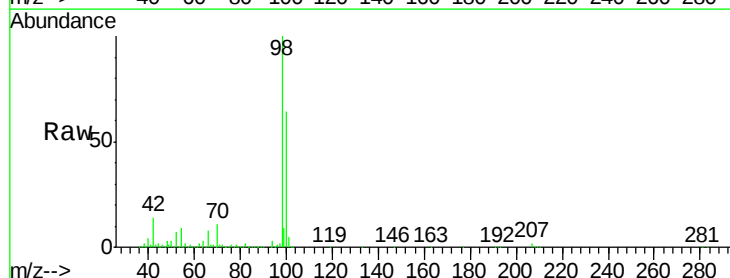


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

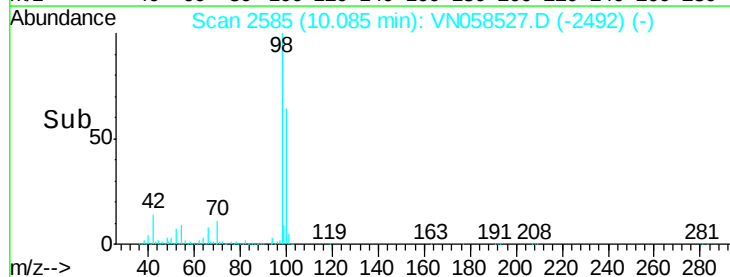
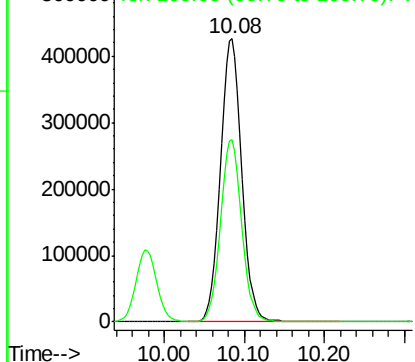


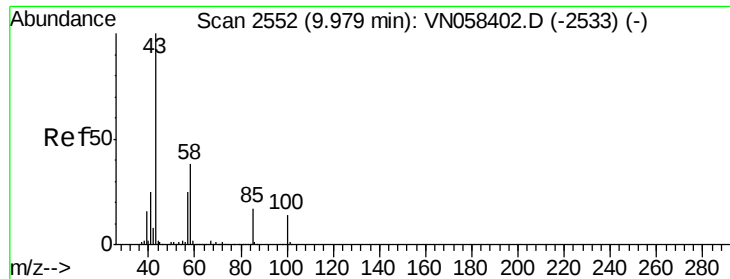
#50
Toluene-d8
Concen: 50.911 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 98 Resp: 785400
Ion Ratio Lower Upper
98 100
100 63.8 51.0 76.6



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





#51

4-Methyl-2-Pentanone

Concen: 300.213 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

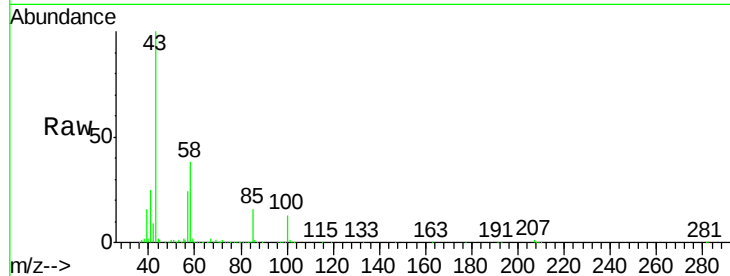
ClientSampleId :

Tot Ion: 43 Resp: 1510534

Ion Ratio Lower Upper

43 100

58 37.2 30.2 45.2



Abundance Ion 43.00 (42.70 to 43.70): VN058402.D (-2533) (-)

Ion 58.00 (57.70 to 58.70): VN058402.D (-2533) (-)

9.98

800000

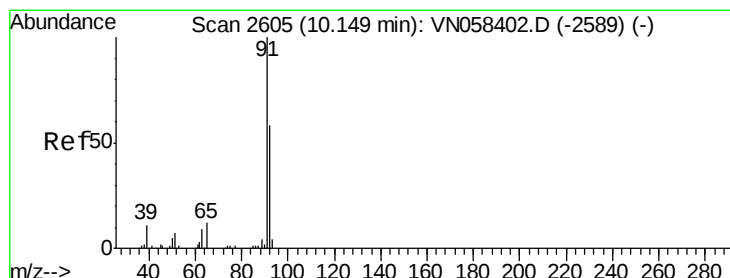
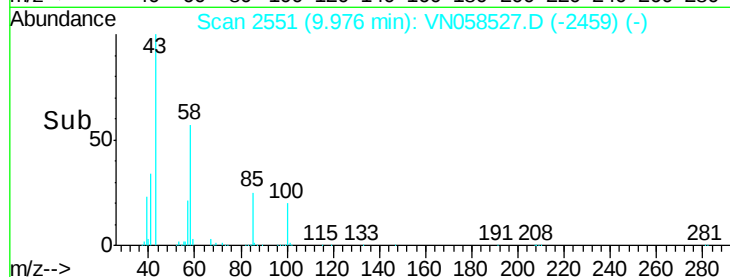
600000

400000

200000

0

Time-->



#52

Toluene

Concen: 51.711 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN058527.D

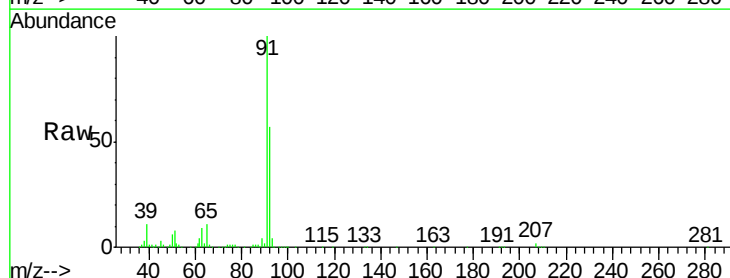
Acq: 4 Oct 2019 10:12

Tgt Ion: 92 Resp: 574818

Ion Ratio Lower Upper

92 100

91 175.4 140.2 210.4



Abundance Ion 92.00 (91.70 to 92.70): VN058402.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058402.D (-2589) (-)

10.15

600000

500000

400000

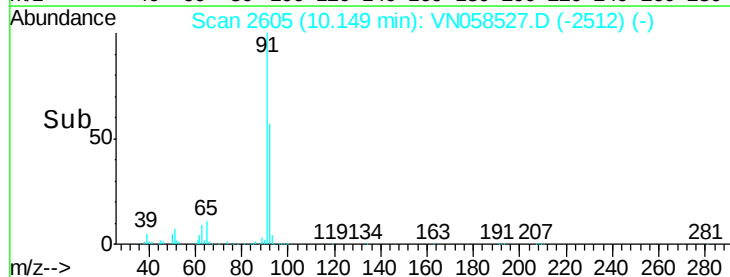
300000

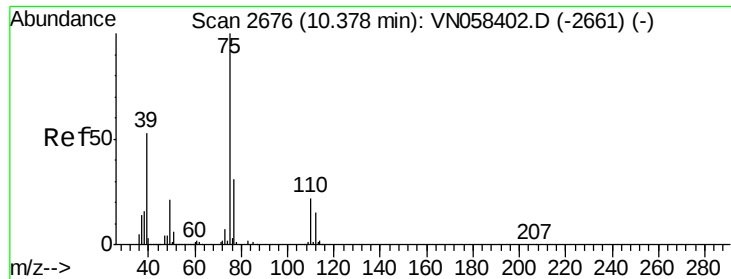
200000

100000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 59.471 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

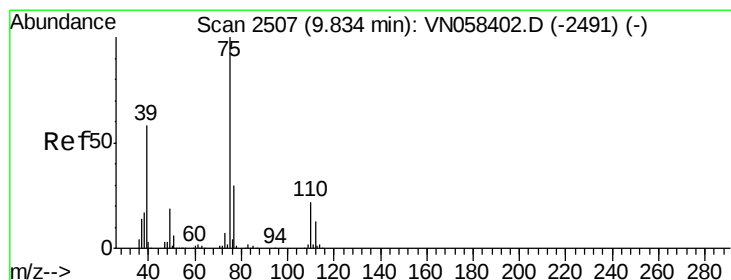
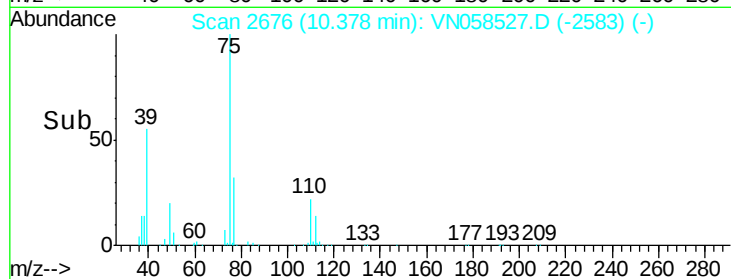
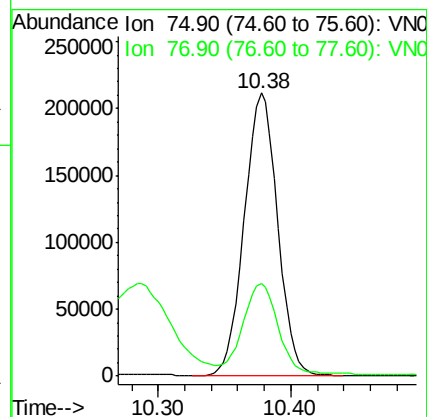
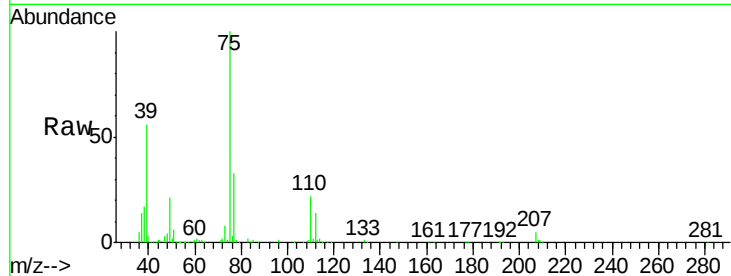
ClientSampled :

Tot Ion: 75 Resp: 367868

Ion Ratio Lower Upper

75 100

77 31.7 25.2 37.8



#54

cis-1,3-Dichloropropene

Concen: 57.750 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

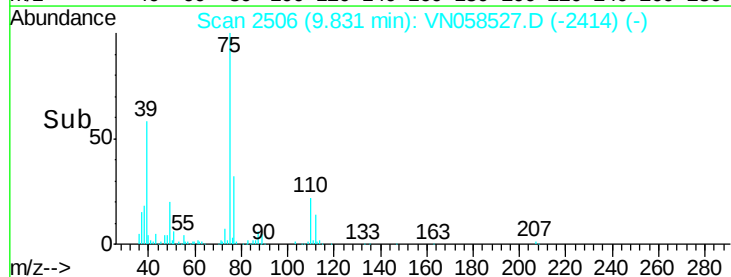
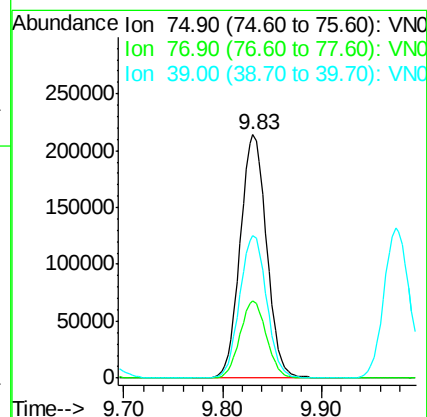
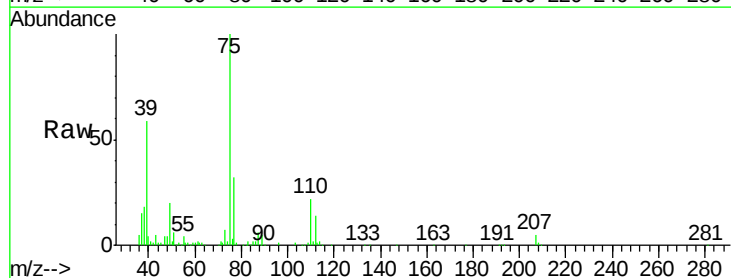
Tgt Ion: 75 Resp: 396534

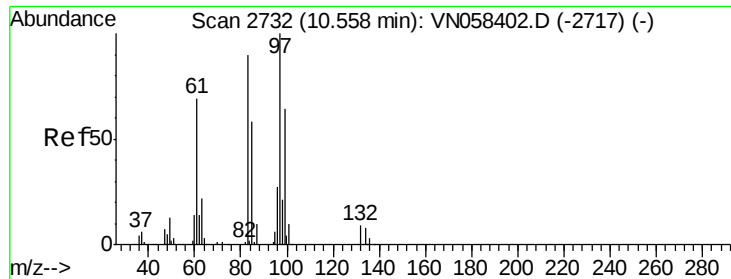
Ion Ratio Lower Upper

75 100

77 31.9 24.2 36.4

39 58.4 46.4 69.6

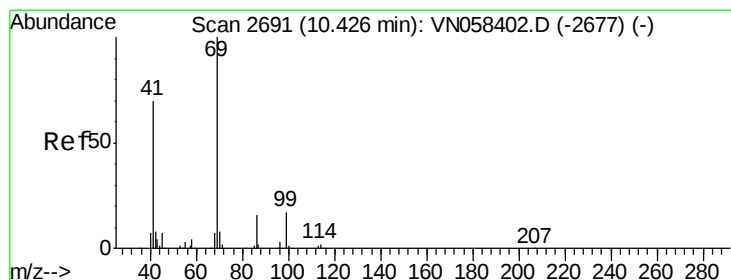
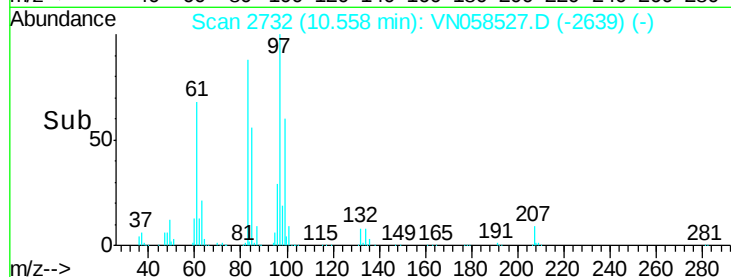
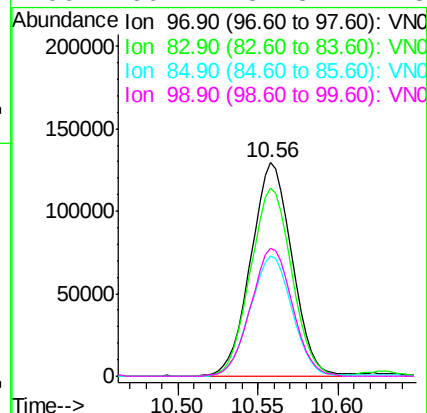
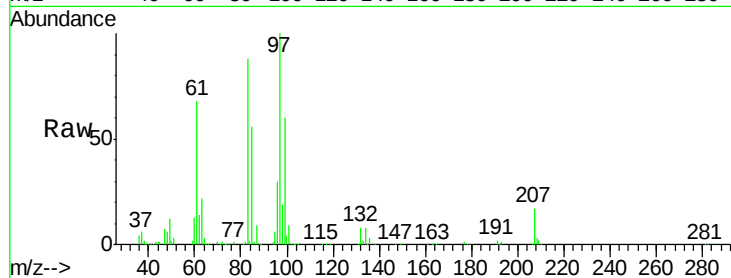




#55
 1,1,2-Trichloroethane
 Concen: 56.687 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

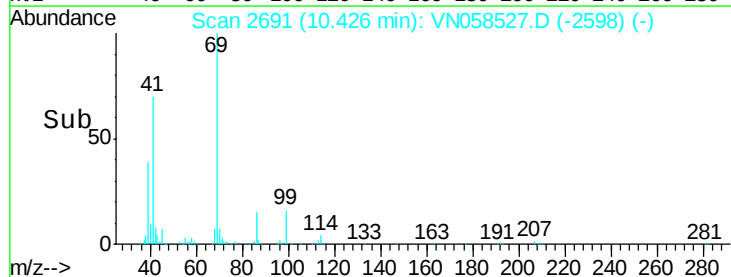
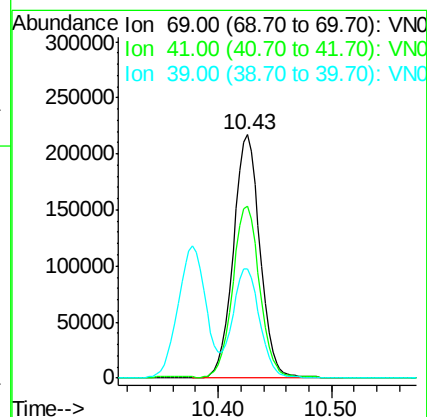
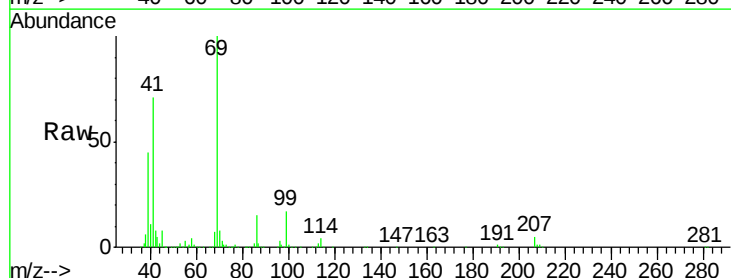
Instrument :
 MSVOA_N
 ClientSampleId :

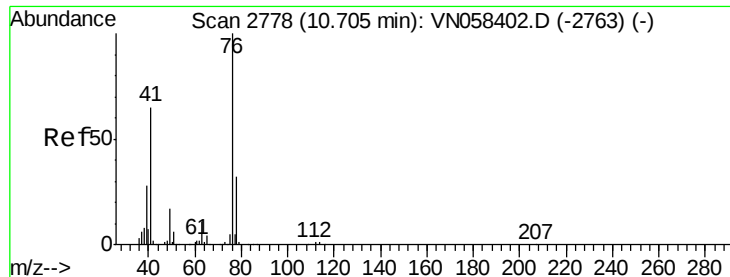
Tot Ion:	97	Resp:	229445
Ion	Ratio	Lower	Upper
97	100		
83	88.1	71.8	107.6
85	56.1	46.6	69.8
99	60.2	51.5	77.3



#56
 Ethyl methacrylate
 Concen: 58.114 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion:	69	Resp:	356924
Ion	Ratio	Lower	Upper
69	100		
41	71.6	56.3	84.5
39	45.4	35.8	53.6





#57

1,3-Dichloropropane

Concen: 55.776 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

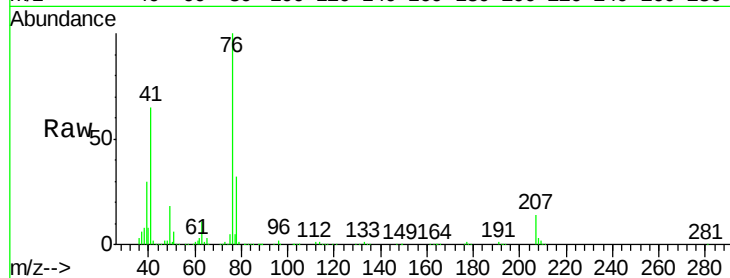
ClientSampleId :

Tot Ion: 76 Resp: 402682

Ion Ratio Lower Upper

76 100

78 32.1 25.7 38.5



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.71

250000

200000

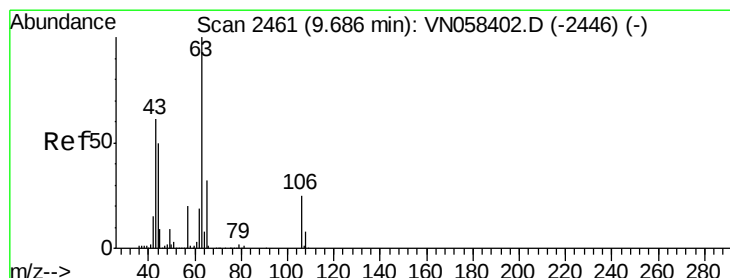
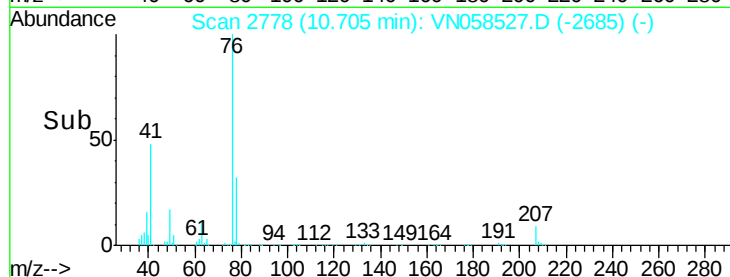
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 355.411 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. 0.00 min

Lab File: VN058527.D

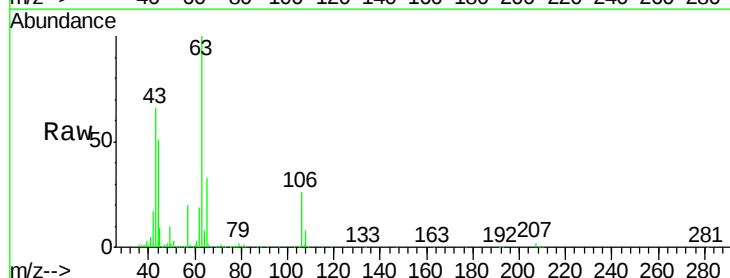
Acq: 4 Oct 2019 10:12

Tgt Ion: 63 Resp: 870406

Ion Ratio Lower Upper

63 100

106 25.0 20.3 30.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

500000

400000

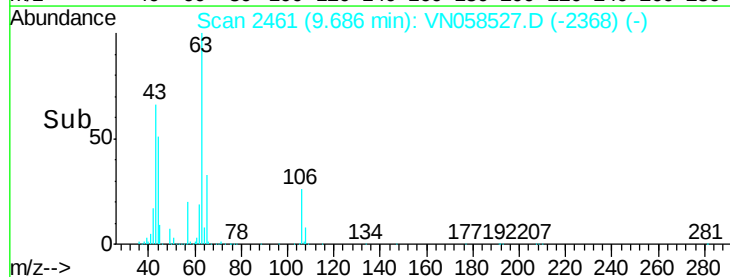
300000

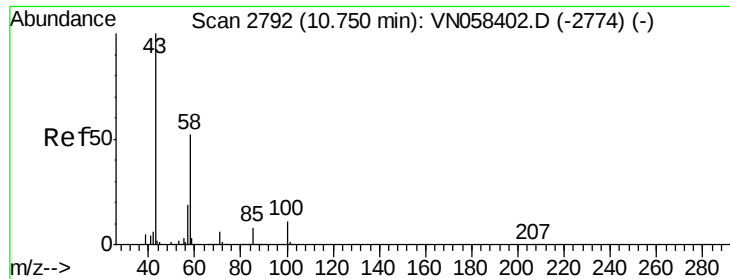
200000

100000

0

Time--> 9.60 9.70 9.80

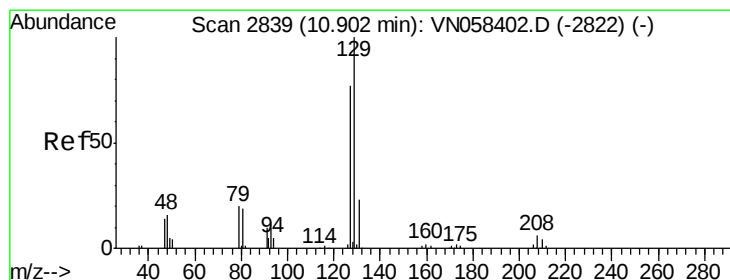
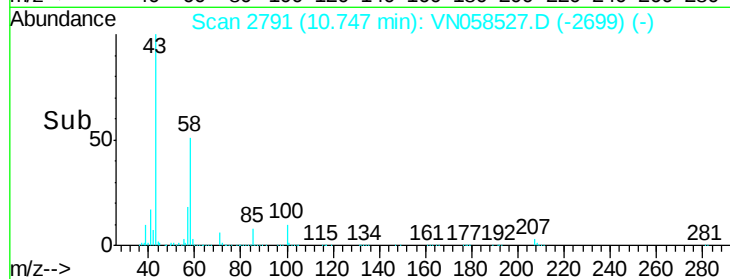
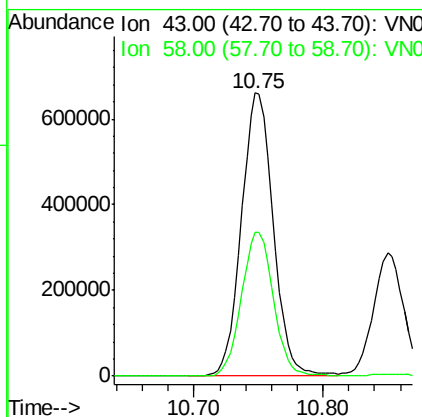
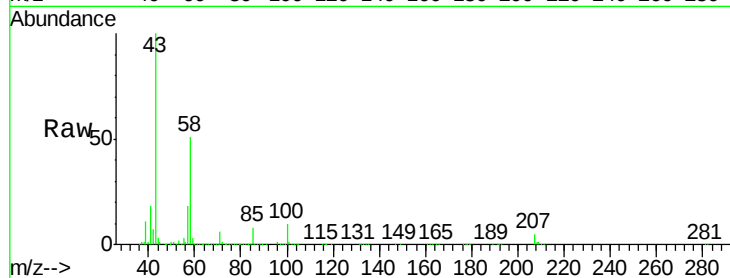




#59
2-Hexanone
Concen: 308.753 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

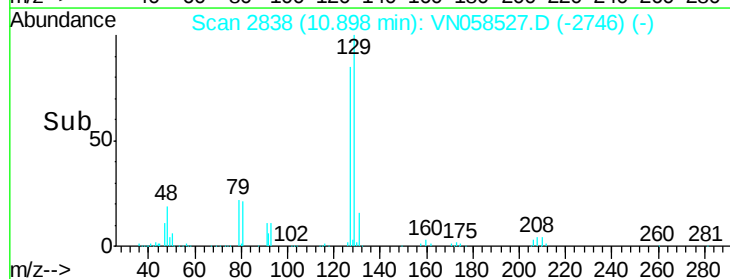
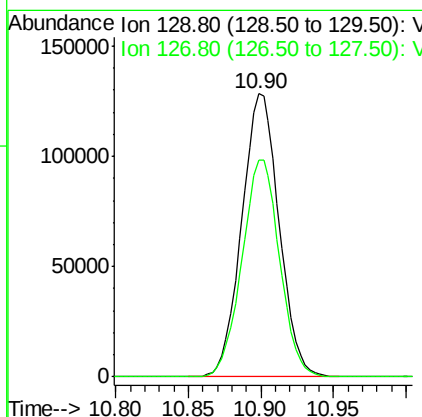
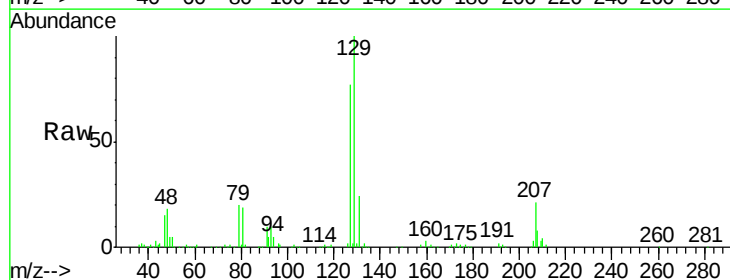
Instrument :
MSVOA_N
ClientSampleId :

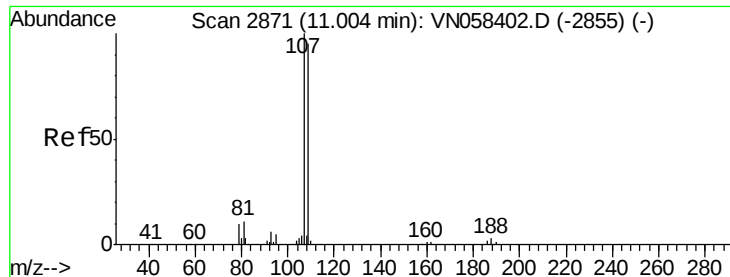
Tot Ion: 43 Resp: 1131185
Ion Ratio Lower Upper
43 100
58 51.2 25.8 77.3



#60
Dibromochloromethane
Concen: 54.987 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 129 Resp: 230243
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 55.604 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

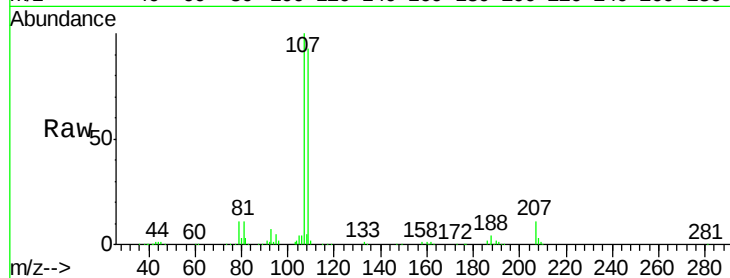
ClientSampled :

Tot Ion: 107 Resp: 229964

Ion Ratio Lower Upper

107 100

109 93.8 75.3 112.9



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

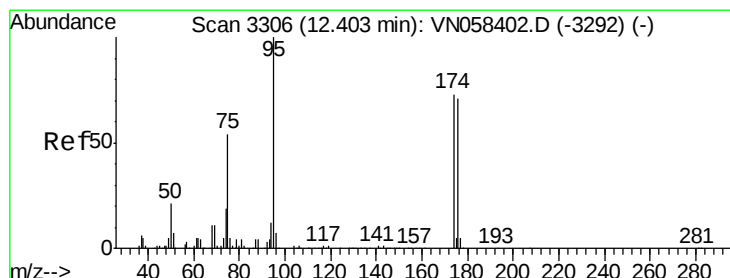
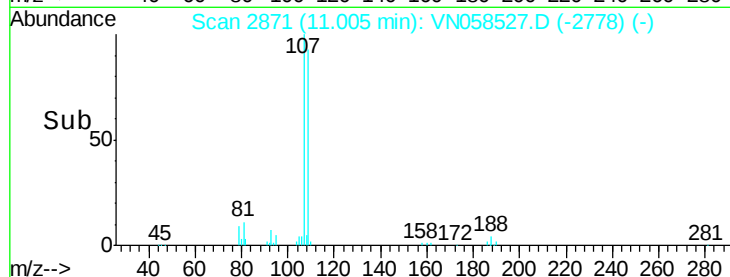
150000

100000

50000

0

Time--> 10.90 11.00 11.10



#62

4-Bromofluorobenzene

Concen: 53.464 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

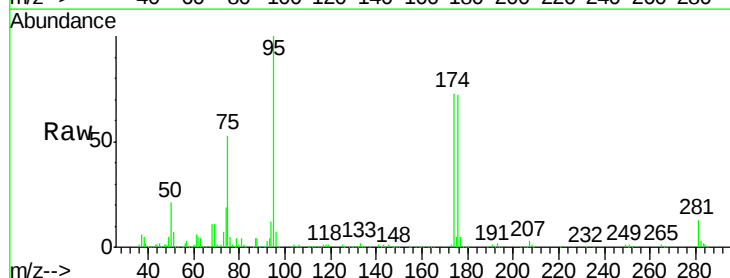
Tgt Ion: 95 Resp: 298227

Ion Ratio Lower Upper

95 100

174 74.8 0.0 150.6

176 72.5 0.0 146.2



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

250000

200000

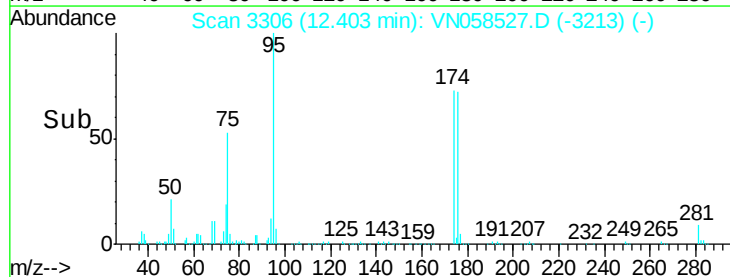
150000

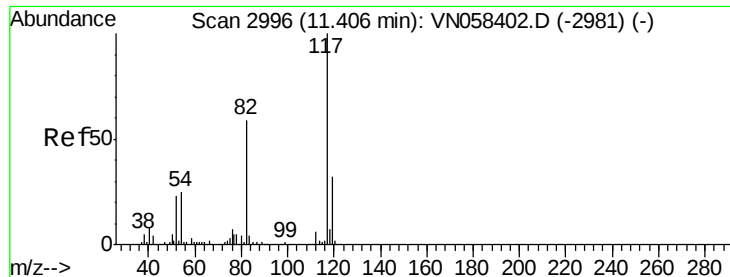
100000

50000

0

Time--> 12.35 12.40 12.45 12.50

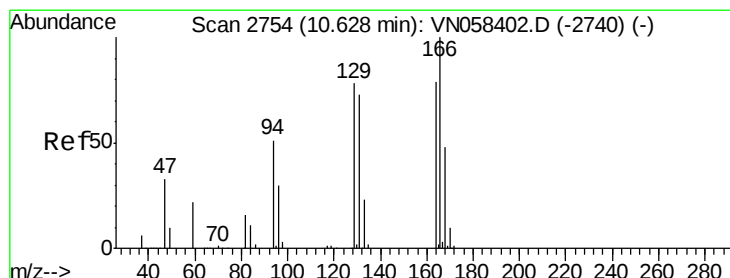
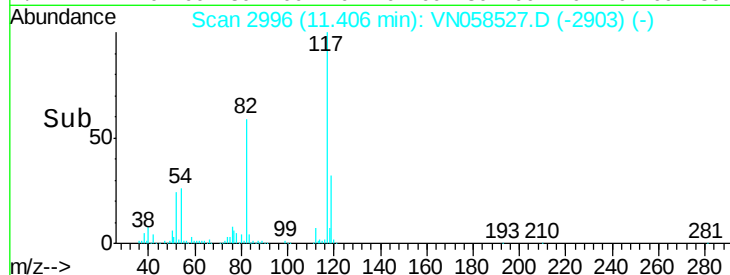
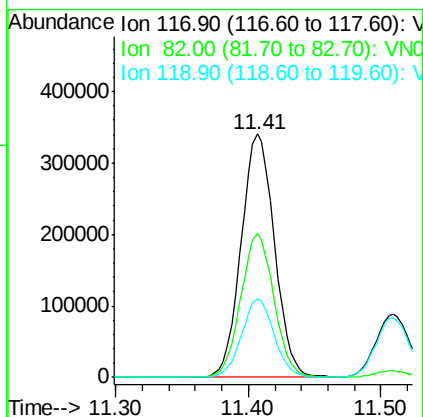
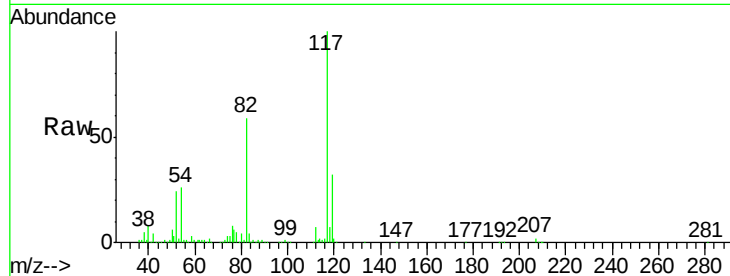




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

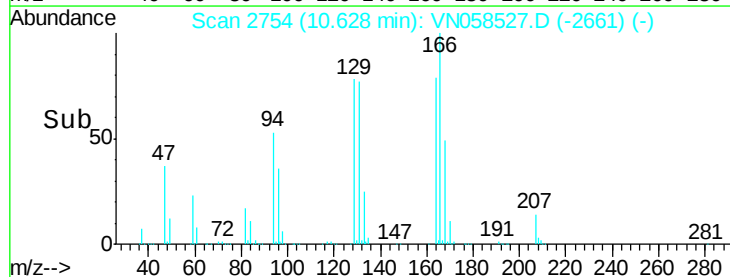
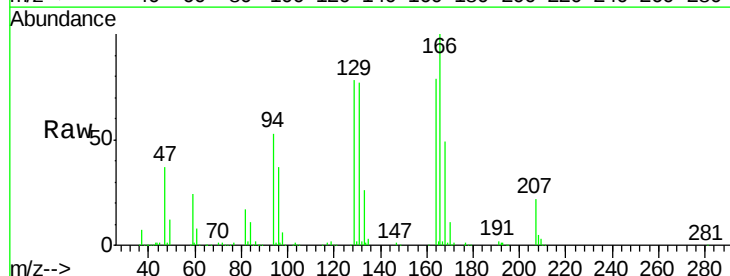
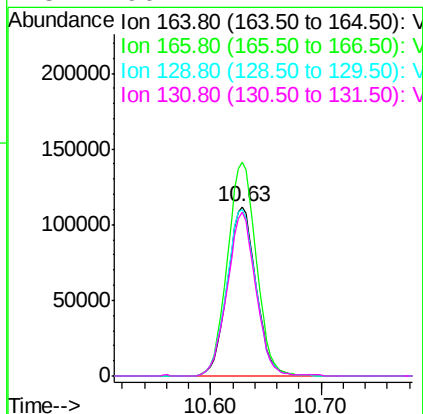
Instrument :
MSVOA_N
ClientSampleId :

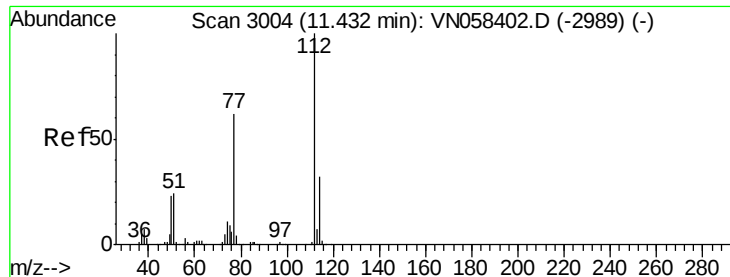
Tot Ion:117 Resp: 594178
Ion Ratio Lower Upper
117 100
82 59.2 47.4 71.0
119 32.1 25.5 38.3



#64
Tetrachloroethene
Concen: 53.615 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion:164 Resp: 202397
Ion Ratio Lower Upper
164 100
166 126.3 101.1 151.7
129 98.6 79.2 118.8
131 96.7 74.1 111.1

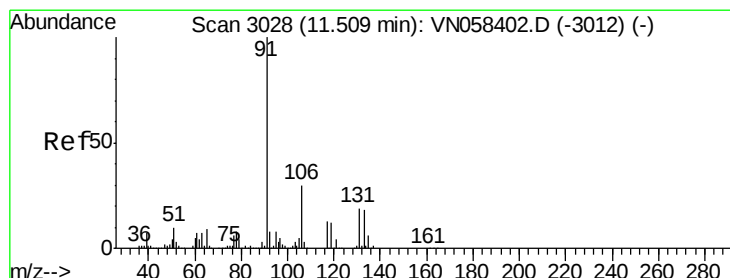
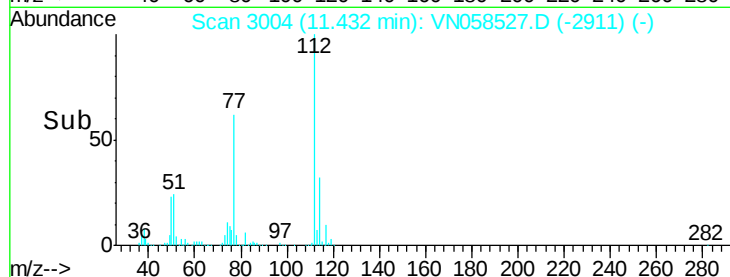
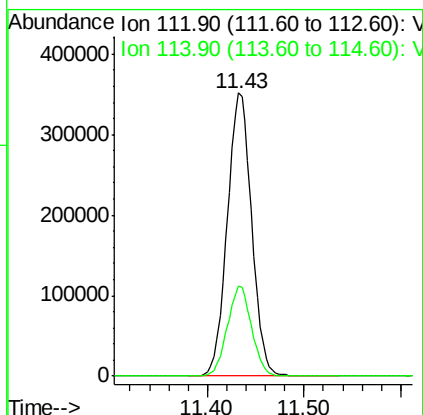
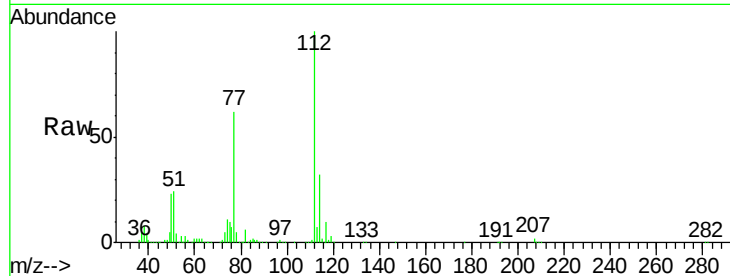




#65
Chlorobenzene
Concen: 52.040 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

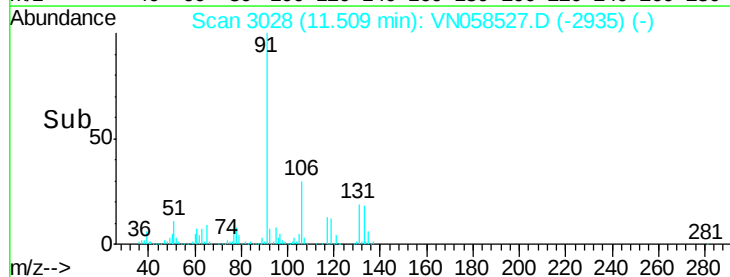
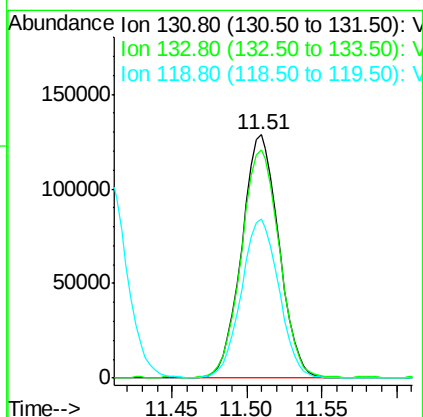
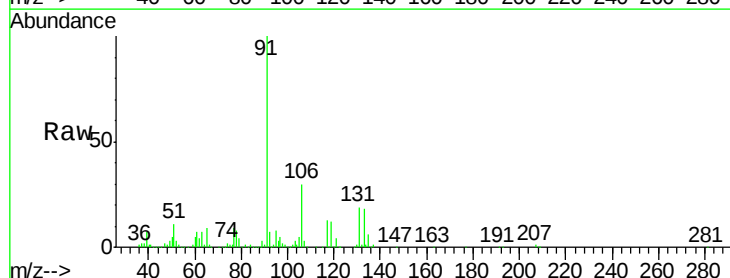
Instrument :
MSVOA_N
ClientSampleId :

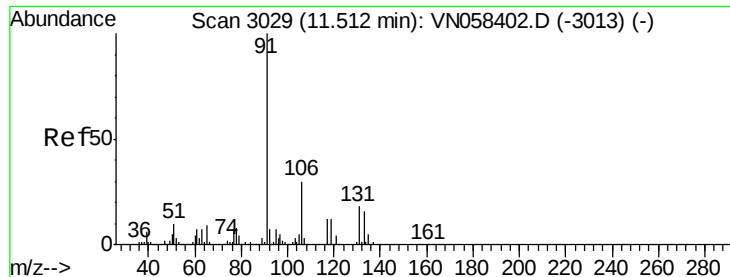
Tot Ion:112 Resp: 614637
Ion Ratio Lower Upper
112 100
114 31.7 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 55.961 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion:131 Resp: 222690
Ion Ratio Lower Upper
131 100
133 95.6 47.8 143.3
119 65.4 33.0 99.0

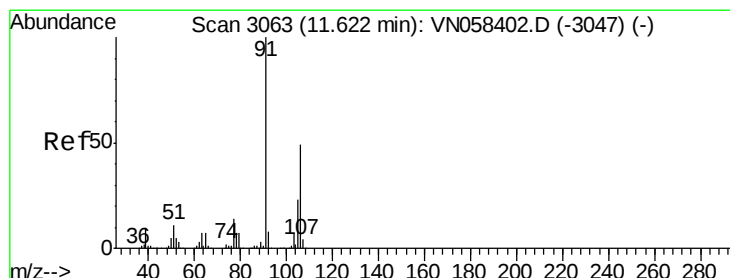
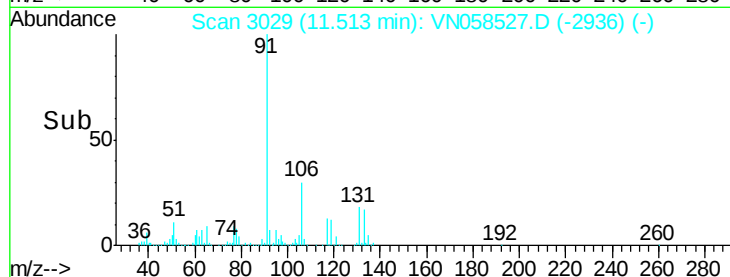
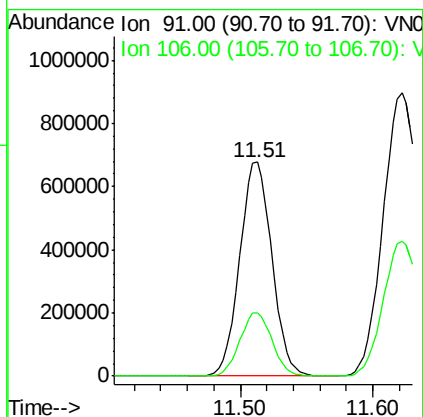
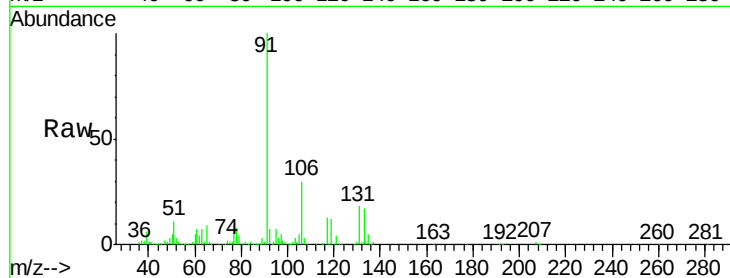




#67
Ethyl Benzene
Concen: 53.401 ug/l
RT: 11.51 min Scan# 3029
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

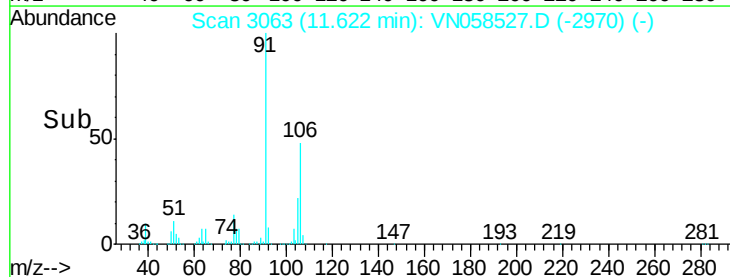
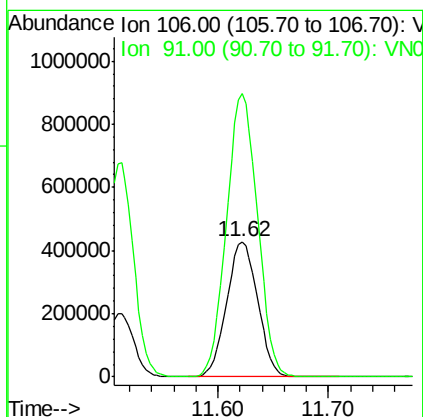
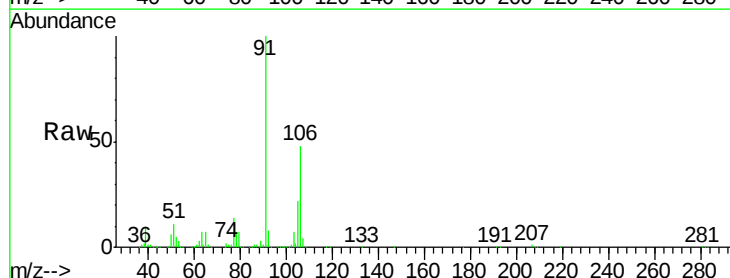
Instrument :
MSVOA_N
ClientSampled :

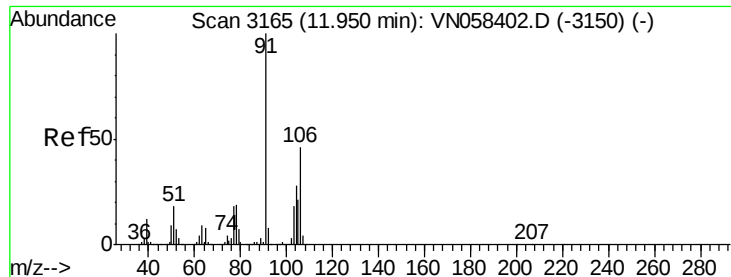
Tot Ion: 91 Resp: 1142410
Ion Ratio Lower Upper
91 100
106 29.8 24.3 36.5



#68
m/p-Xylenes
Concen: 103.483 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 106 Resp: 832926
Ion Ratio Lower Upper
106 100
91 209.4 165.0 247.4





#69

o-Xylene

Concen: 52.053 ug/l

RT: 11.95 min Scan# 3165

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

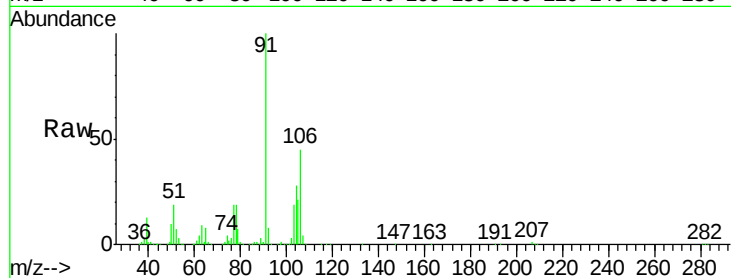
ClientSampleId :

Tot Ion:106 Resp: 403320

Ion Ratio Lower Upper

106 100

91 221.6 109.1 327.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

600000

500000

400000

300000

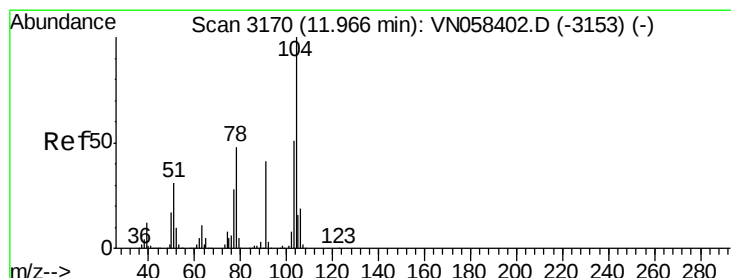
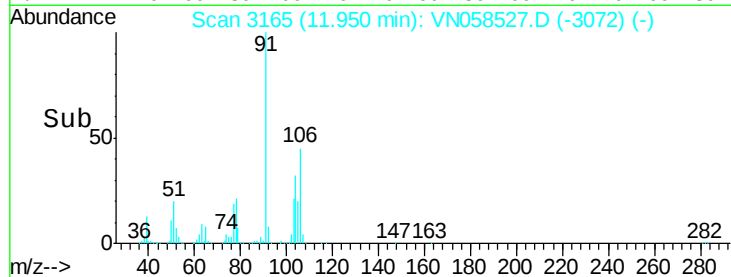
200000

100000

0

11.85 11.90 11.95 12.00

Time-->



#70

Styrene

Concen: 54.792 ug/l

RT: 11.97 min Scan# 3170

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

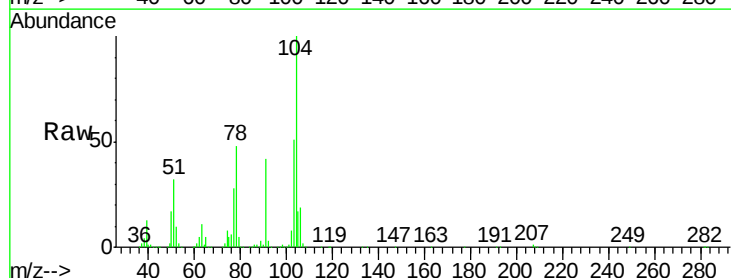
Tgt Ion:104 Resp: 689689

Ion Ratio Lower Upper

104 100

78 52.6 42.8 64.2

103 55.8 43.7 65.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V

500000

400000

300000

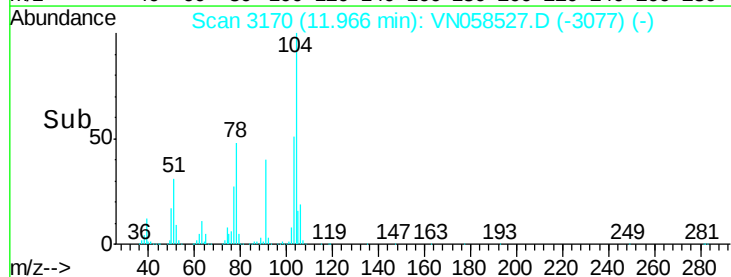
200000

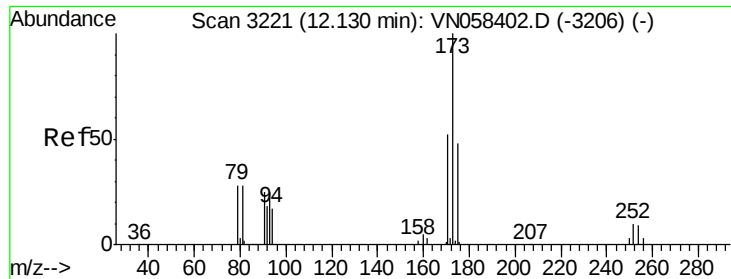
100000

0

11.90 11.95 12.00

Time-->

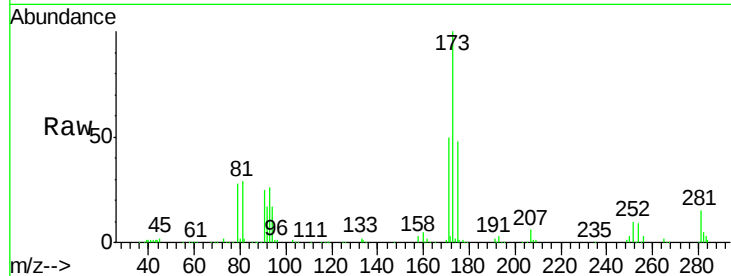




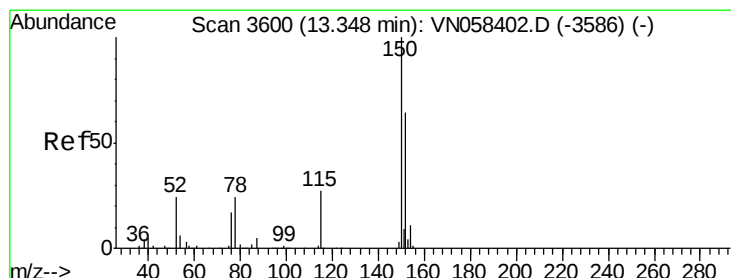
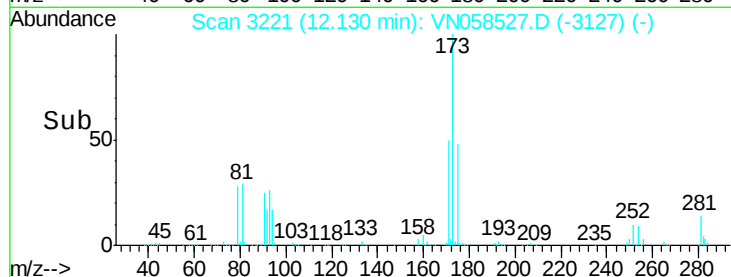
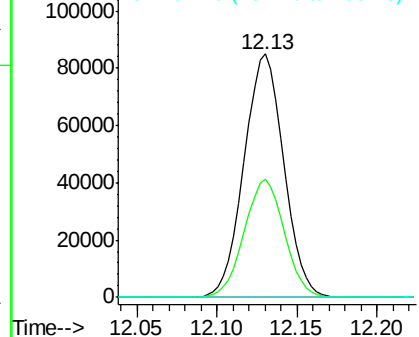
#71
Bromoform
Concen: 52.445 ug/l
RT: 12.13 min Scan# 3221
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 144318
Ion Ratio Lower Upper
173 100
175 48.9 24.3 73.0
254 0.1 0.1 0.1#

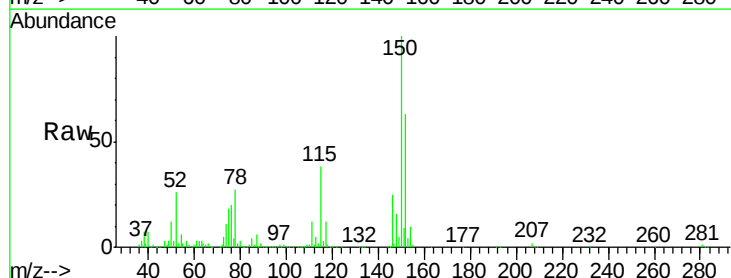


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

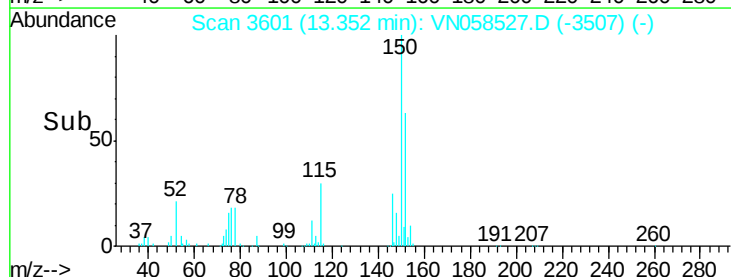
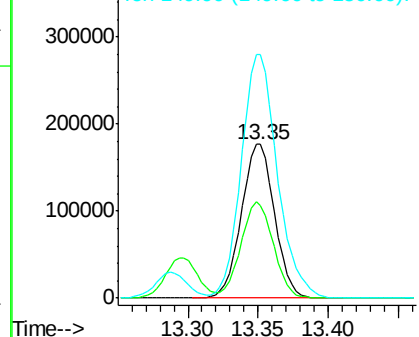


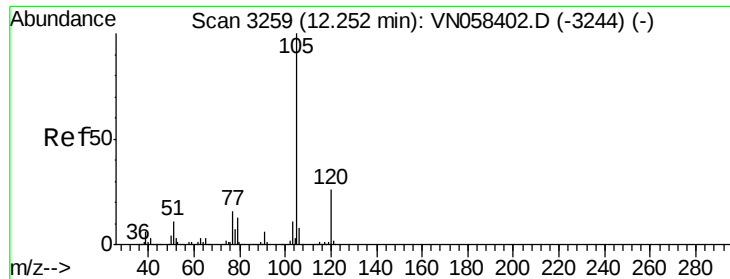
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3601
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion:152 Resp: 290804
Ion Ratio Lower Upper
152 100
115 61.7 30.0 90.0
150 172.8 0.0 348.2



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





#73

Isopropylbenzene

Concen: 50.707 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

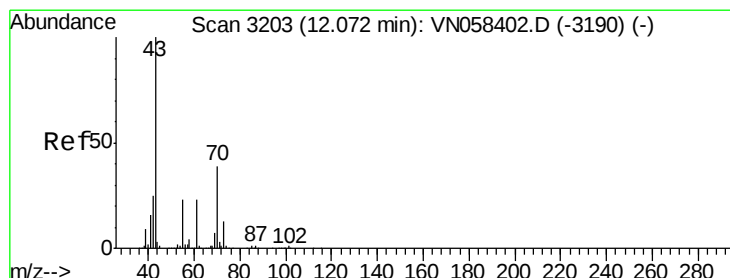
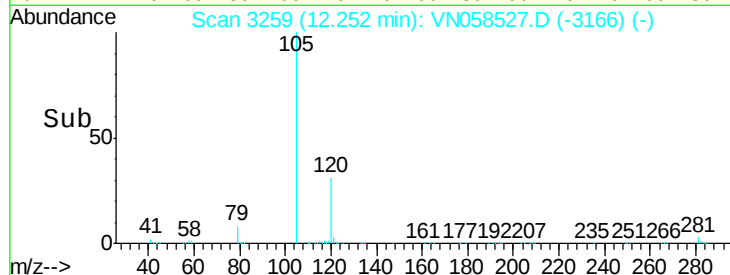
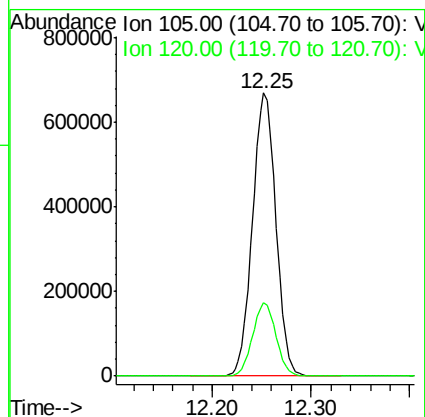
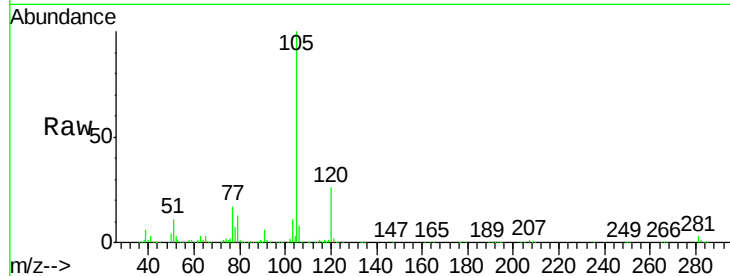
ClientSampleId :

Tot Ion:105 Resp: 1089739

Ion Ratio Lower Upper

105 100

120 25.8 12.8 38.4



#74

N-ethyl acetate

Concen: 56.657 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Tgt Ion: 43 Resp: 484402

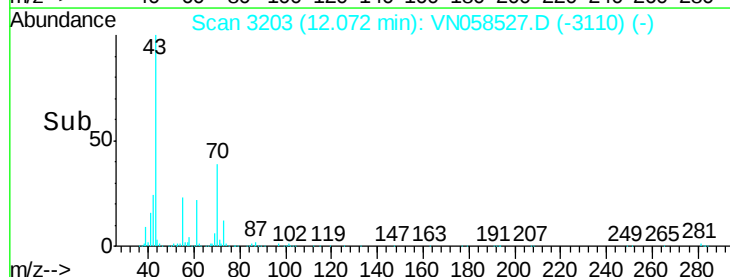
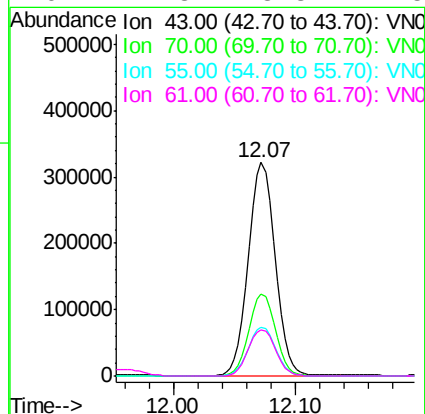
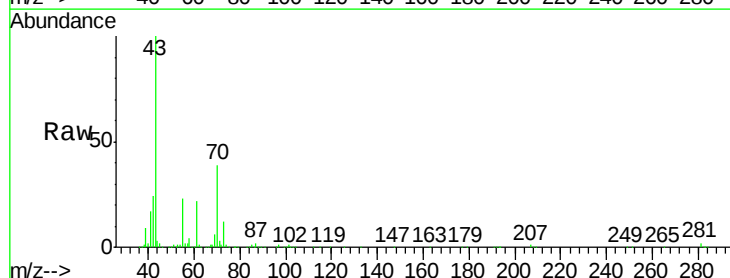
Ion Ratio Lower Upper

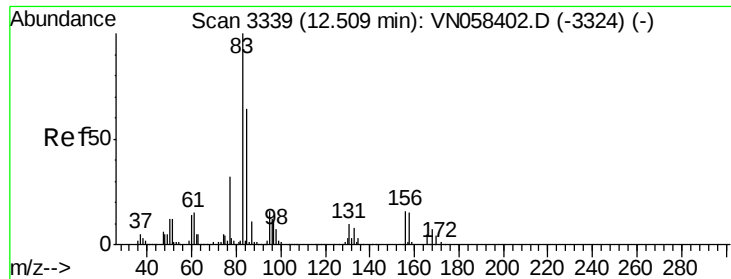
43 100

70 38.3 31.4 47.2

55 23.5 18.2 27.4

61 22.3 18.3 27.5





#75

1,1,2,2-Tetrachloroethane

Concen: 51.613 ug/l

RT: 12.51 min Scan# 3339

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

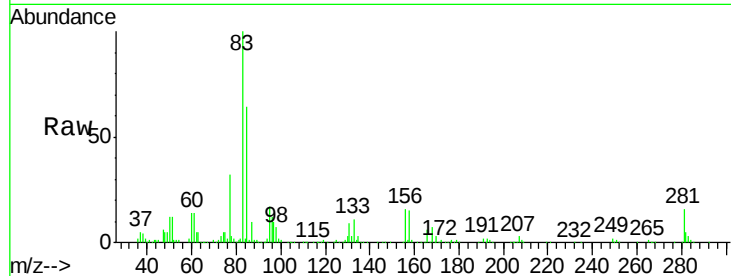
Tot Ion: 83 Resp: 328000

Ion Ratio Lower Upper

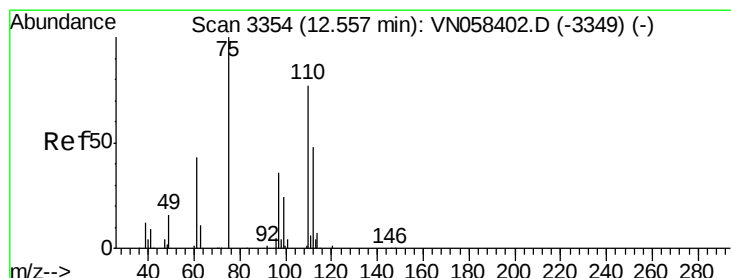
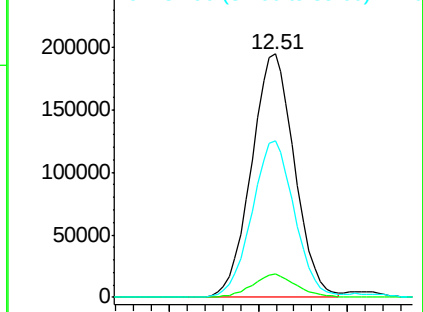
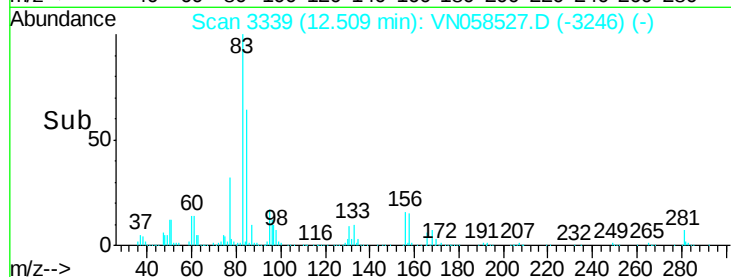
83 100

131 9.7 4.9 14.7

85 63.6 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN058527.D (-3246) (-)



#76

1,2,3-Trichloropropane

Concen: 82.059 ug/l

RT: 12.56 min Scan# 3354

Delta R.T. 0.00 min

Lab File: VN058527.D

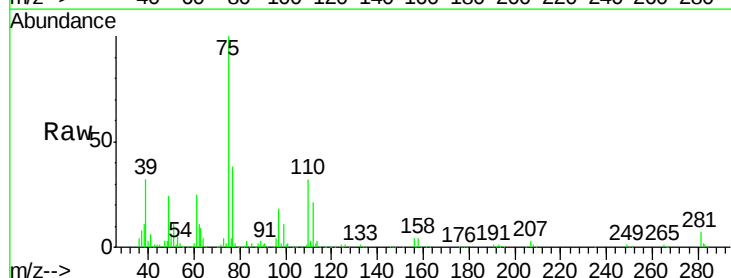
Acq: 4 Oct 2019 10:12

Tgt Ion: 75 Resp: 435860

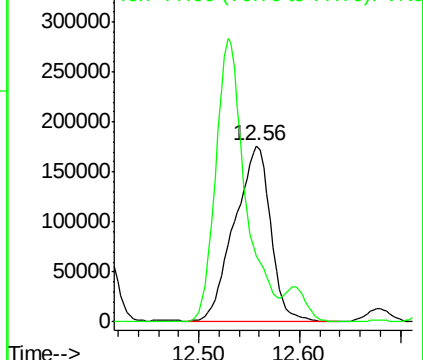
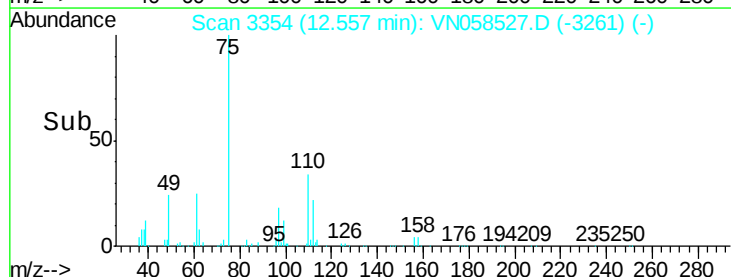
Ion Ratio Lower Upper

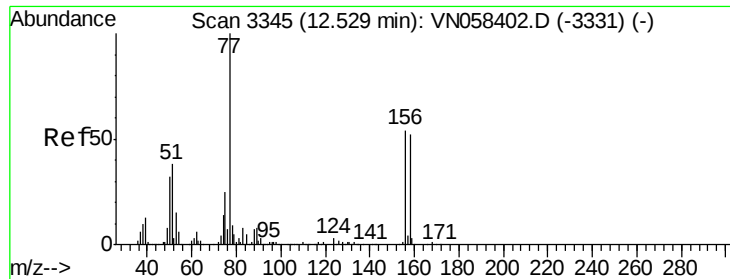
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN058527.D (-3261) (-)





#77

Bromobenzene

Concen: 50.774 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

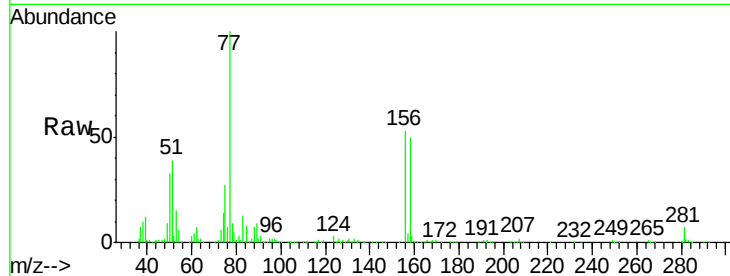
Tot Ion:156 Resp: 255860

Ion Ratio Lower Upper

156 100

77 227.1 110.0 330.0

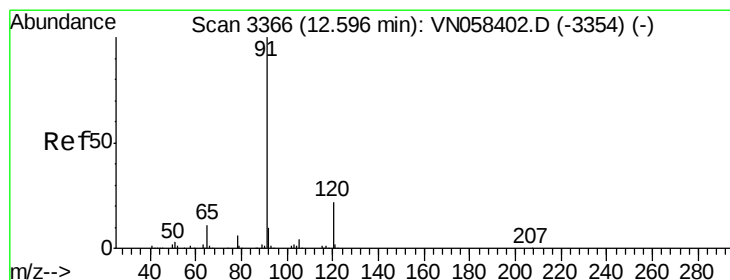
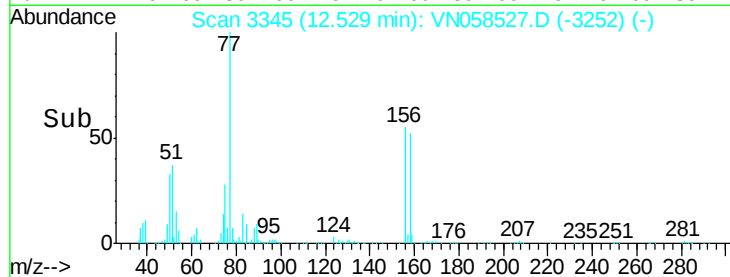
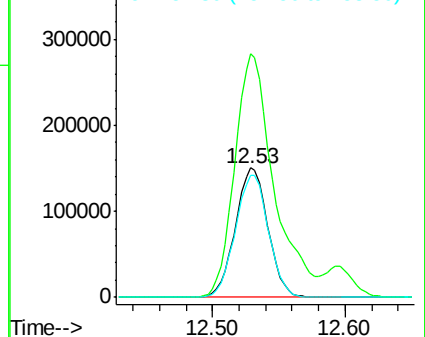
158 96.1 47.9 143.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 54.325 ug/l

RT: 12.60 min Scan# 3366

Delta R.T. 0.00 min

Lab File: VN058527.D

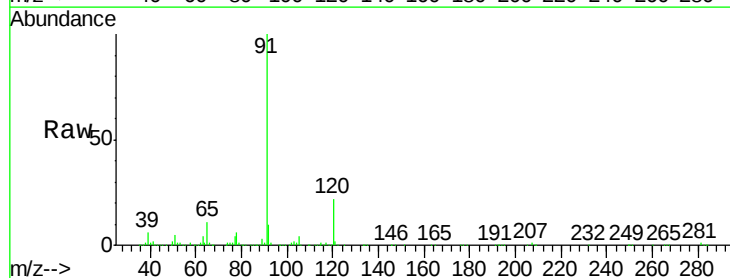
Acq: 4 Oct 2019 10:12

Tgt Ion: 91 Resp: 1315314

Ion Ratio Lower Upper

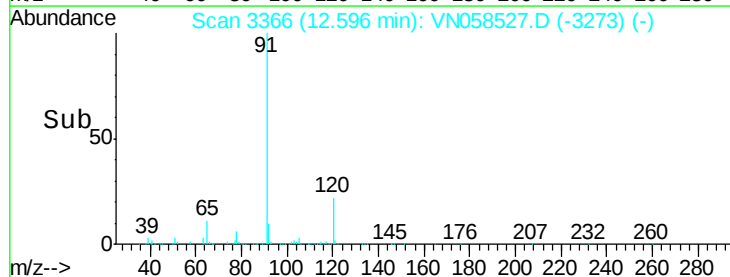
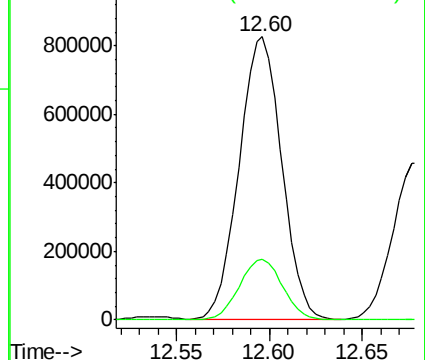
91 100

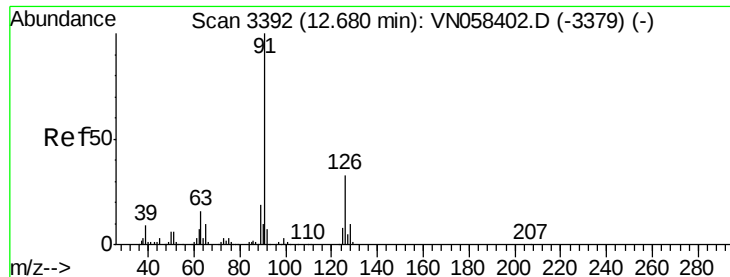
120 21.9 10.9 32.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

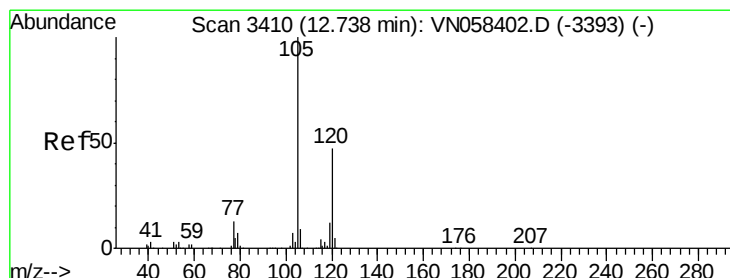
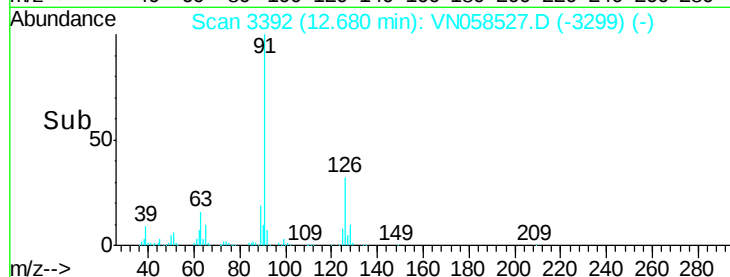
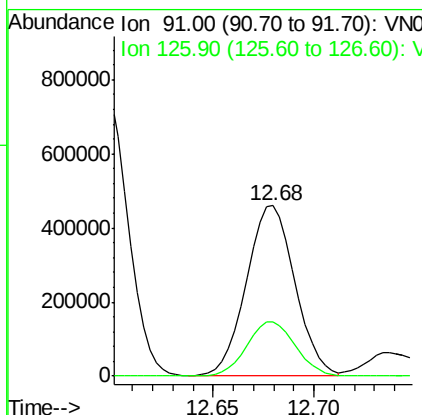
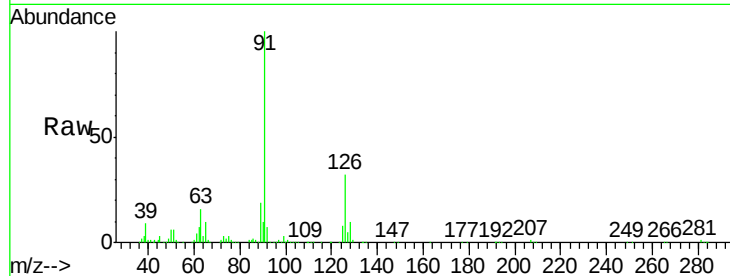




#79
2-Chlorotoluene
Concen: 51.698 ug/l
RT: 12.68 min Scan# 3392
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

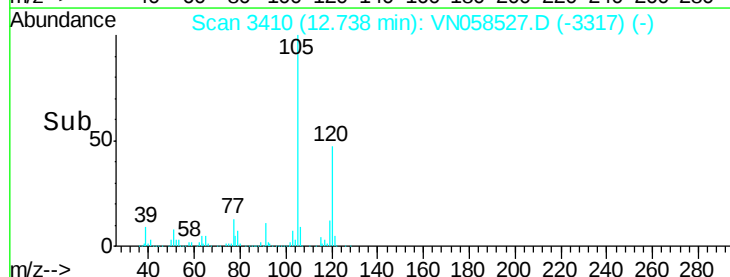
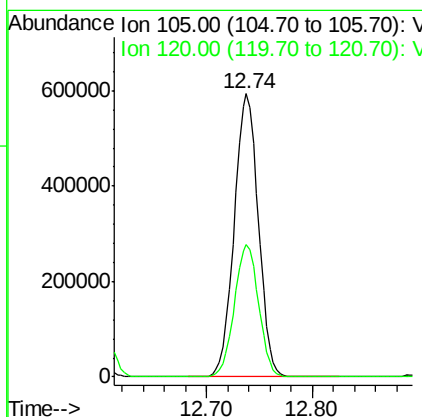
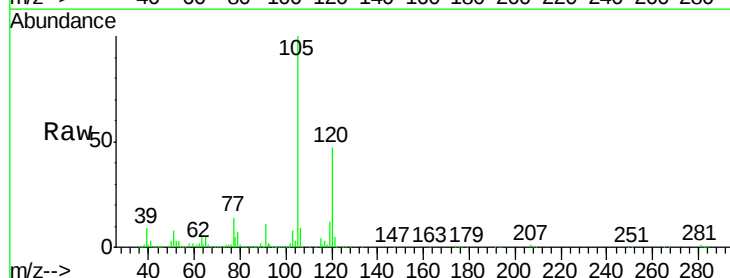
Instrument :
MSVOA_N
ClientSampled :

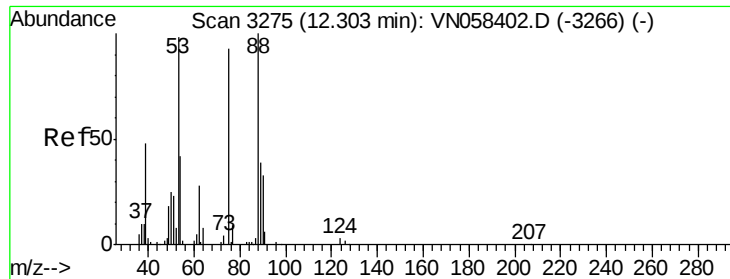
Tot Ion: 91 Resp: 772606
Ion Ratio Lower Upper
91 100
126 32.3 16.2 48.6



#80
1,3,5-Trimethylbenzene
Concen: 51.953 ug/l
RT: 12.74 min Scan# 3410
Delta R.T. 0.00 min
Lab File: VN058527.D
Acq: 4 Oct 2019 10:12

Tgt Ion: 105 Resp: 934638
Ion Ratio Lower Upper
105 100
120 47.1 23.5 70.6





#81

trans-1,4-Dichloro-2-butene

Concen: 57.782 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

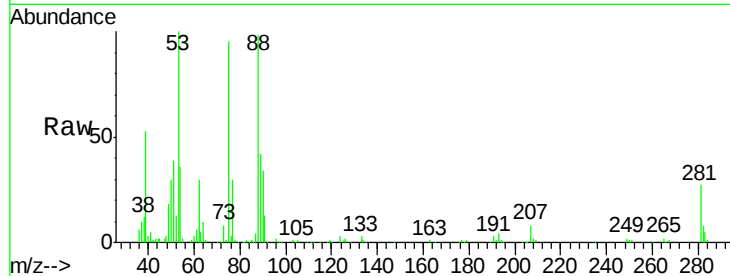
Tot Ion: 75 Resp: 101053

Ion Ratio Lower Upper

75 100

53 105.9 85.4 128.0

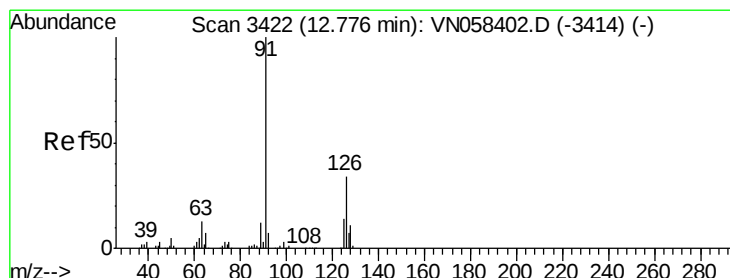
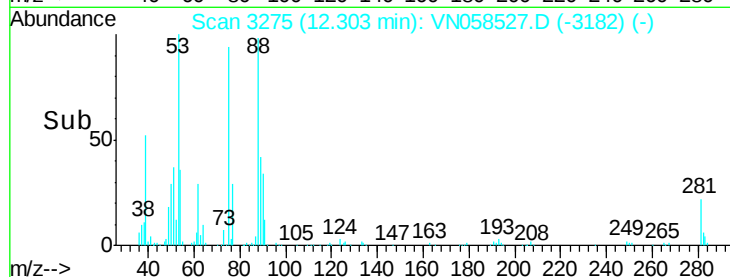
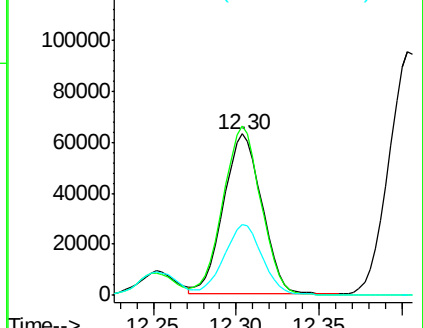
89 43.7 35.0 52.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 52.865 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN058527.D

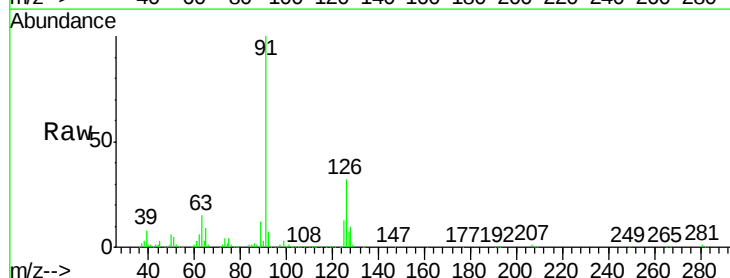
Acq: 4 Oct 2019 10:12

Tgt Ion: 91 Resp: 806170

Ion Ratio Lower Upper

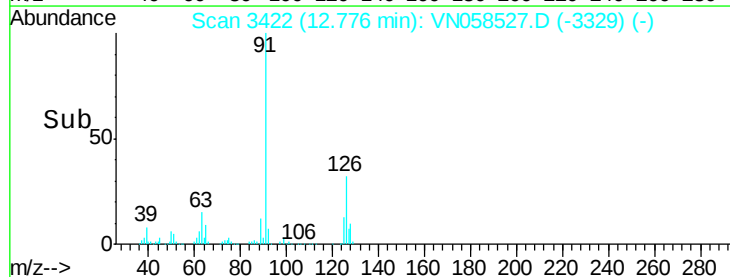
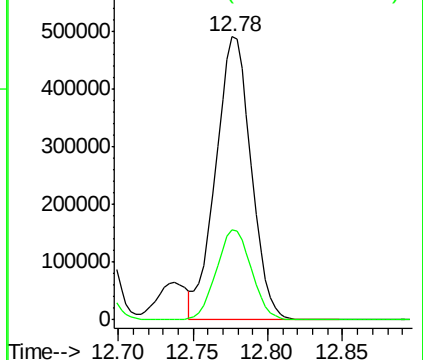
91 100

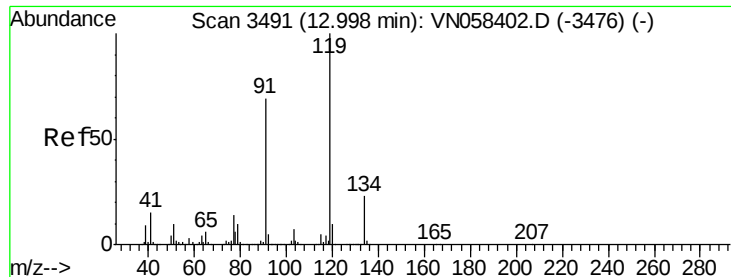
126 31.5 15.9 47.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

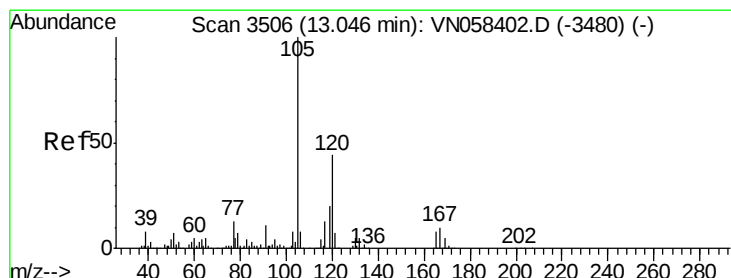
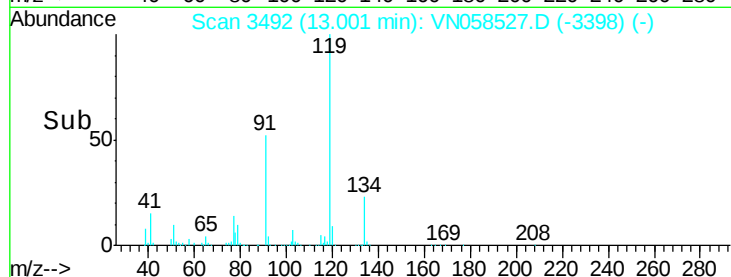
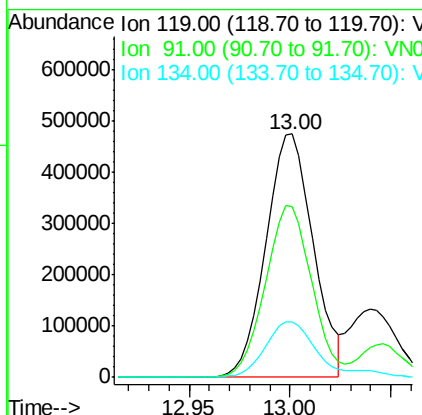
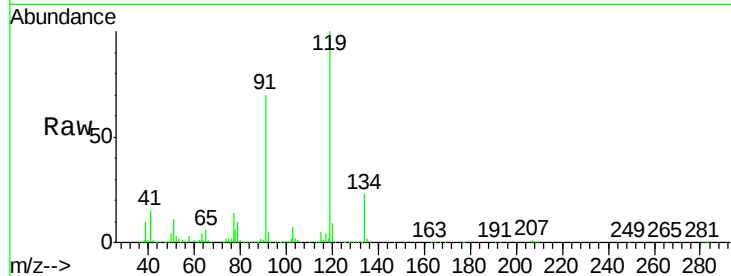




#83
 tert-Butylbenzene
 Concen: 51.065 ug/l
 RT: 13.00 min Scan# 3492
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

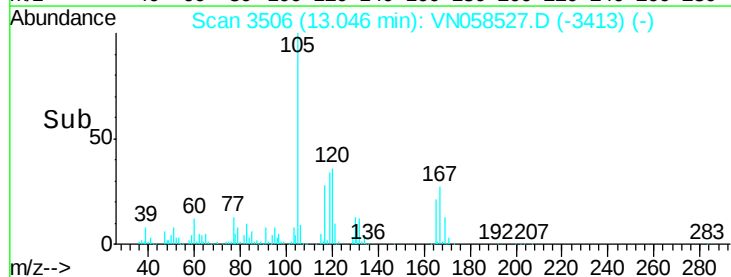
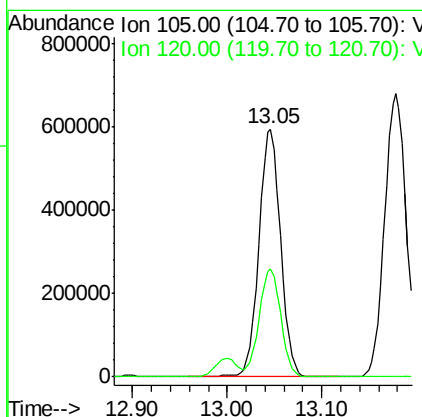
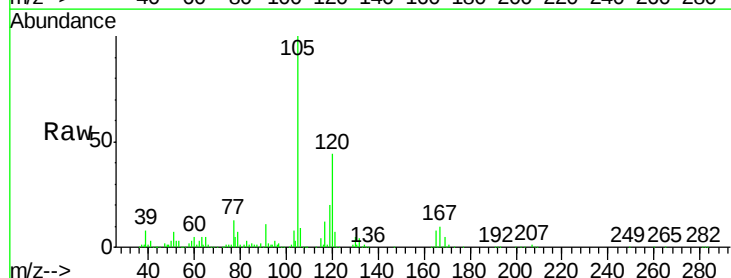
Instrument :
 MSVOA_N
 ClientSampleId :

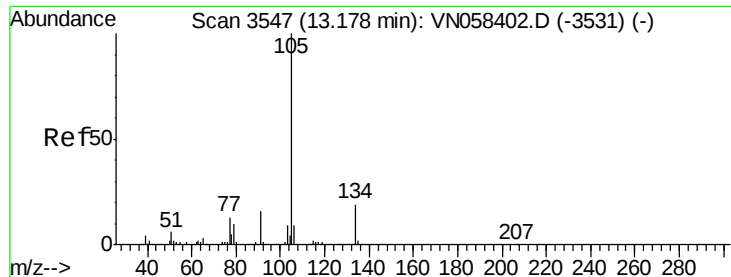
Tot Ion:119 Resp: 775194
 Ion Ratio Lower Upper
 119 100
 91 69.2 34.2 102.6
 134 23.6 11.6 34.8



#84
 1,2,4-Trimethylbenzene
 Concen: 52.258 ug/l
 RT: 13.05 min Scan# 3506
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion:105 Resp: 941929
 Ion Ratio Lower Upper
 105 100
 120 43.5 21.7 65.1





#85

sec-Butylbenzene

Concen: 54.064 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

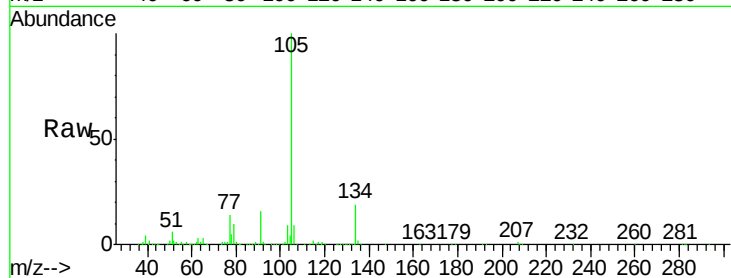
ClientSampleId :

Tot Ion:105 Resp: 1080219

Ion Ratio Lower Upper

105 100

134 18.9 9.4 28.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

800000

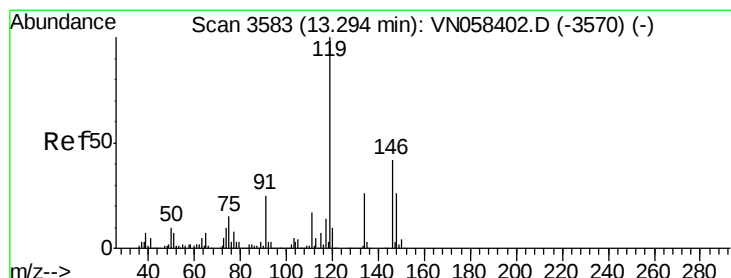
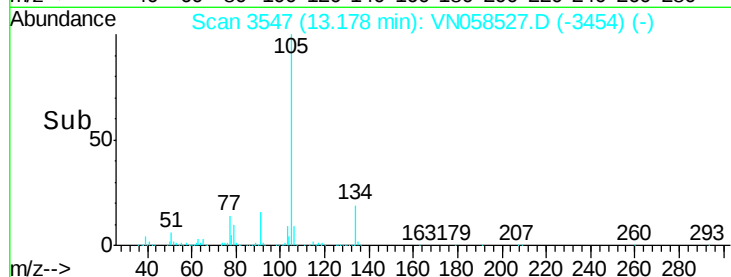
600000

400000

200000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 55.676 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

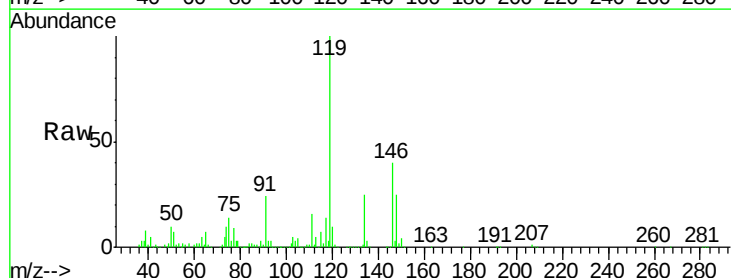
Tgt Ion:119 Resp: 979209

Ion Ratio Lower Upper

119 100

134 25.4 13.0 39.0

91 24.6 12.4 37.0



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

800000

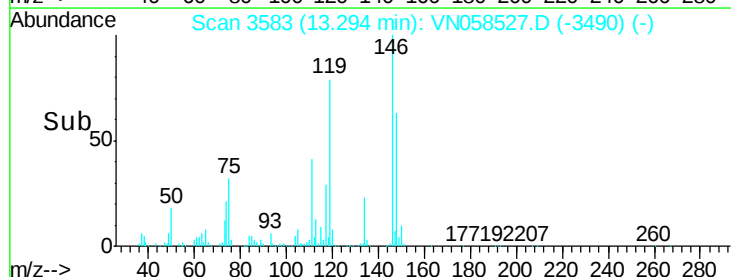
600000

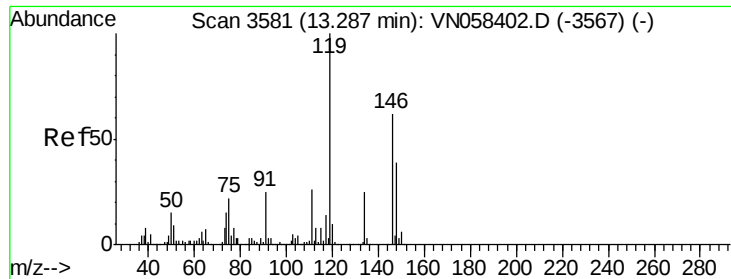
400000

200000

0

Time--> 13.25 13.30 13.35





#87

1,3-Dichlorobenzene

Concen: 52.087 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampled :

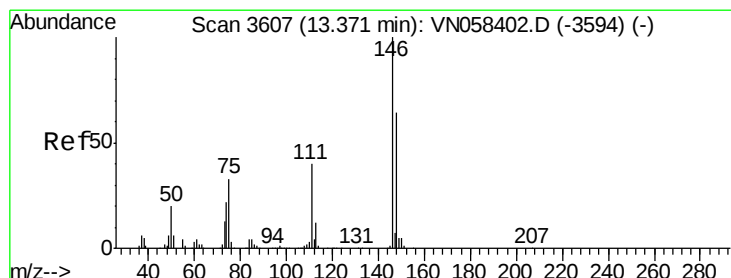
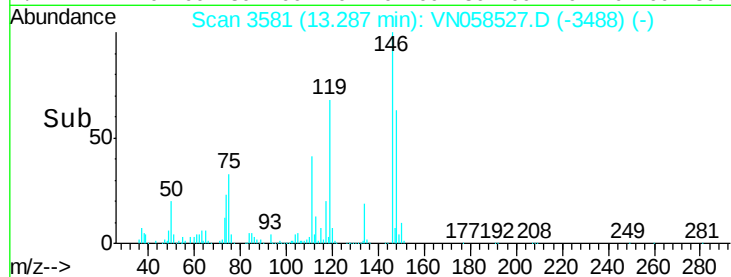
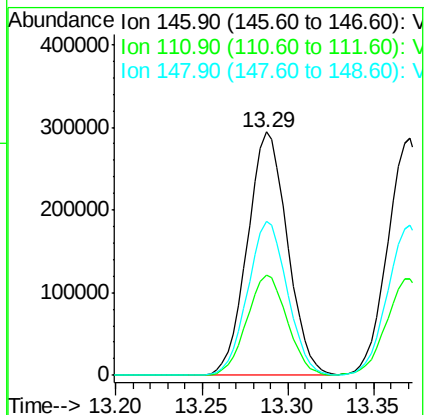
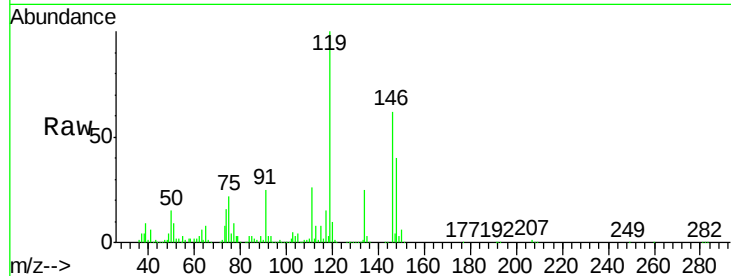
Tot Ion:146 Resp: 475943

Ion Ratio Lower Upper

146 100

111 41.4 20.8 62.4

148 63.0 31.4 94.3



#88

1,4-Dichlorobenzene

Concen: 51.780 ug/l

RT: 13.37 min Scan# 3607

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

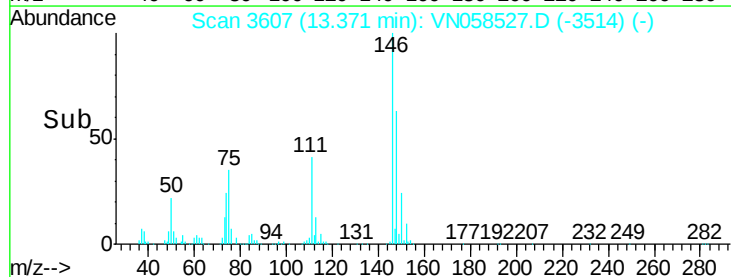
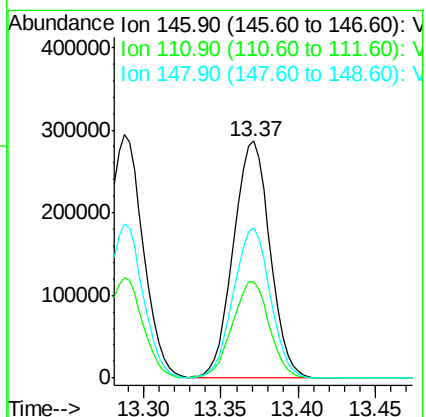
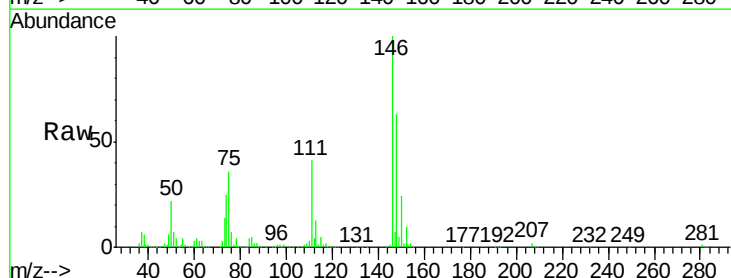
Tgt Ion:146 Resp: 470732

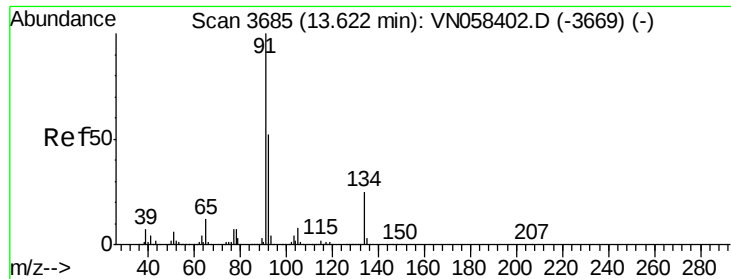
Ion Ratio Lower Upper

146 100

111 41.0 20.5 61.6

148 63.9 31.5 94.5





#89

n-Butylbenzene

Concen: 58.206 ug/l

RT: 13.62 min Scan# 3685

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

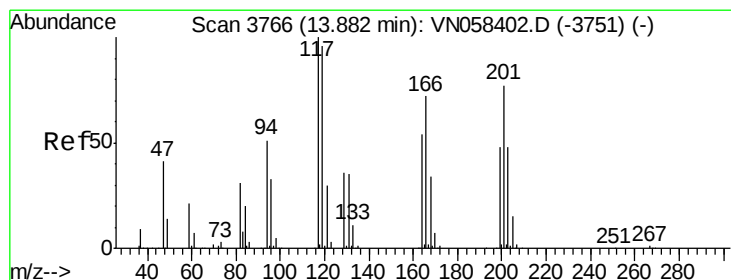
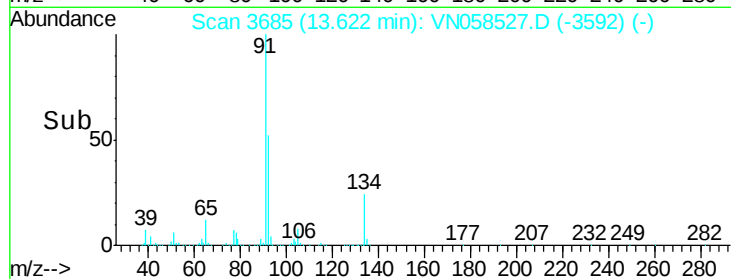
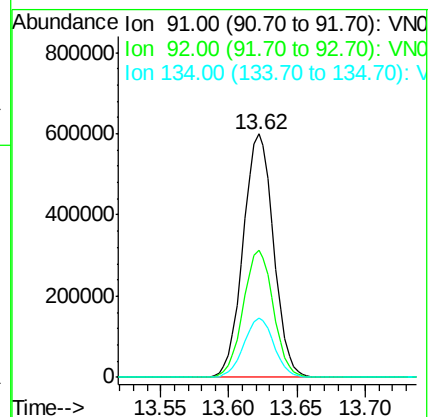
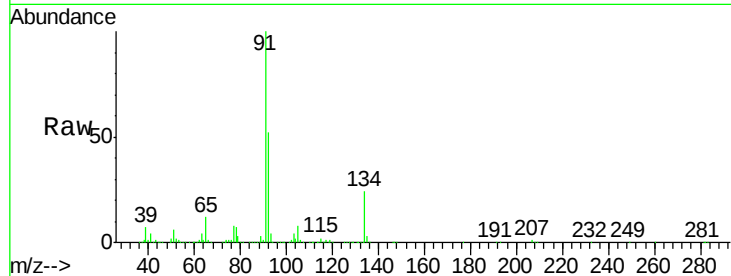
Tot Ion: 91 Resp: 927328

Ion Ratio Lower Upper

91 100

92 51.7 25.7 77.1

134 24.2 12.2 36.6



#90

Hexachloroethane

Concen: 55.840 ug/l

RT: 13.88 min Scan# 3766

Delta R.T. 0.00 min

Lab File: VN058527.D

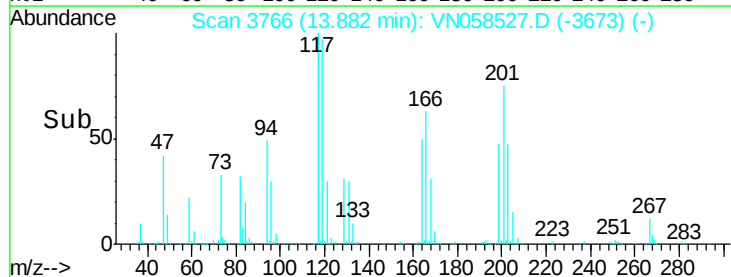
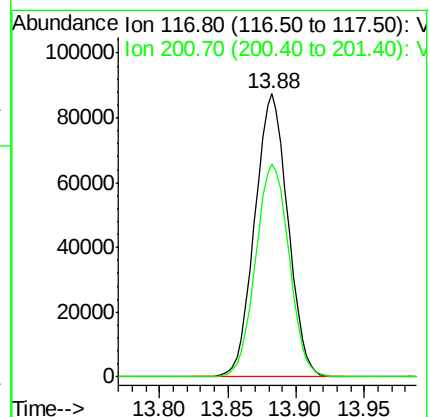
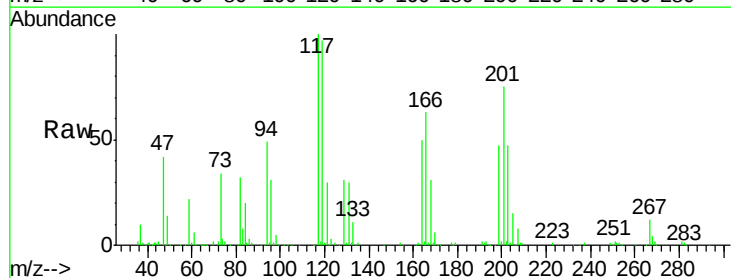
Acq: 4 Oct 2019 10:12

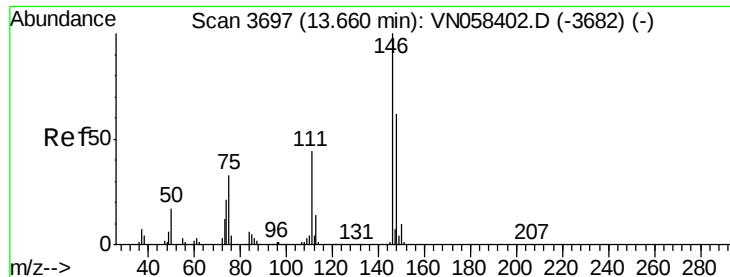
Tgt Ion: 117 Resp: 147558

Ion Ratio Lower Upper

117 100

201 75.8 38.6 116.0

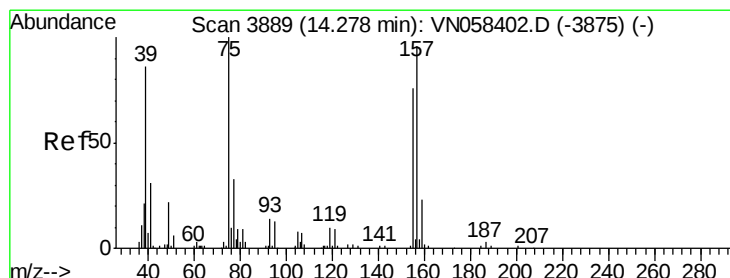
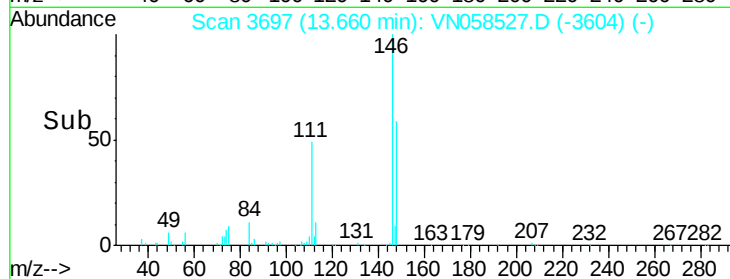
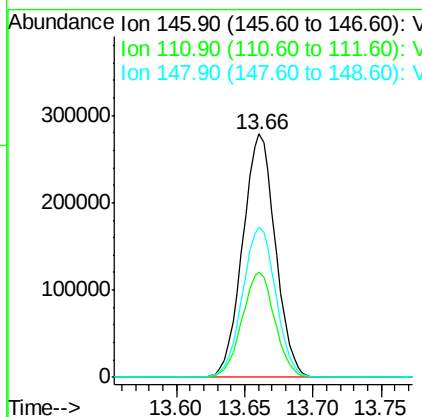
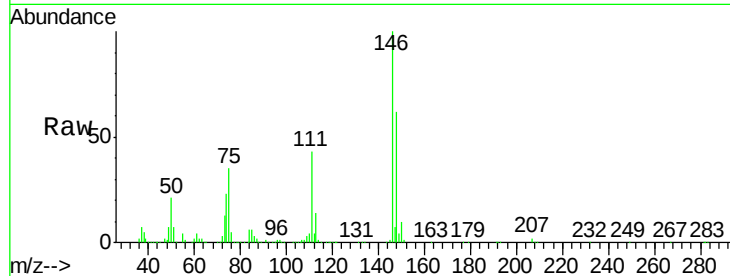




#91
 1,2-Dichlorobenzene
 Concen: 52.858 ug/l
 RT: 13.66 min Scan# 3697
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

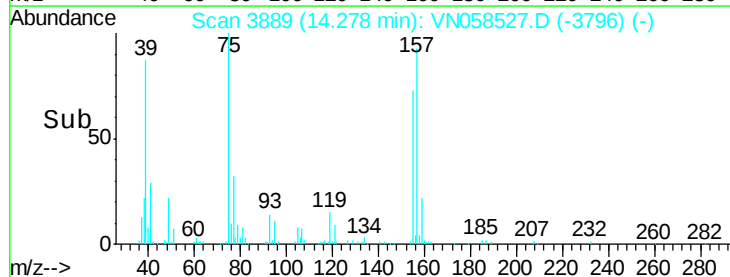
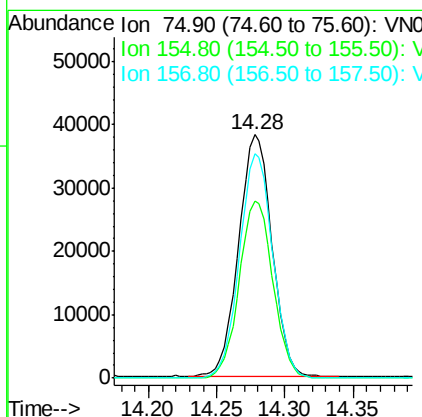
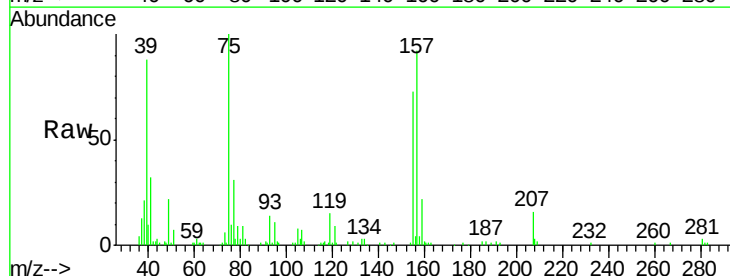
Instrument :
 MSVOA_N
 ClientSampleId :

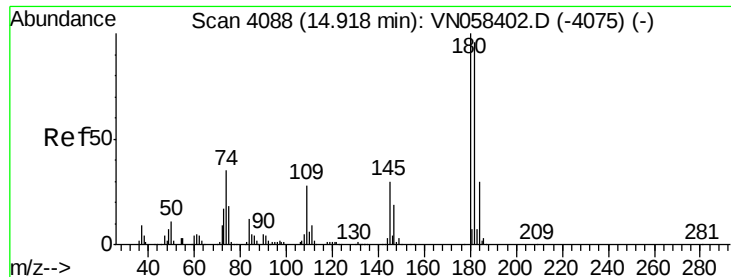
Tot Ion	Ratio	Lower	Upper
146	100		
111	43.0	21.8	65.3
148	62.9	31.5	94.5



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 58.073 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
75	100		
155	73.4	39.2	117.6
157	92.3	48.7	146.1

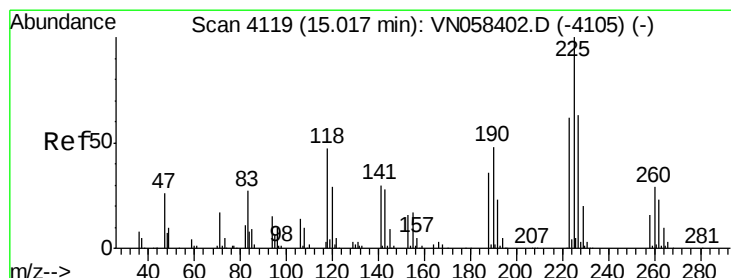
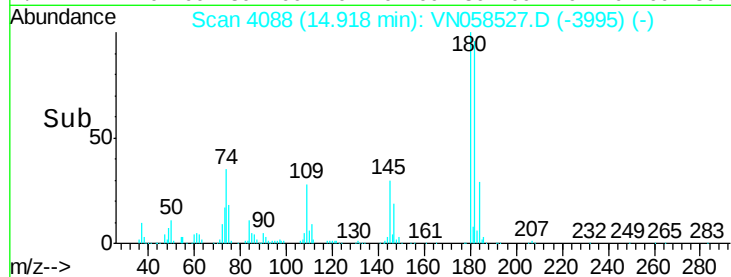
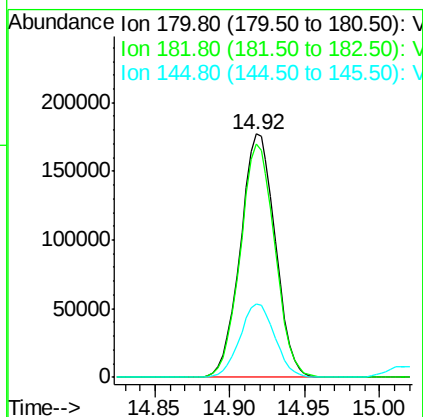
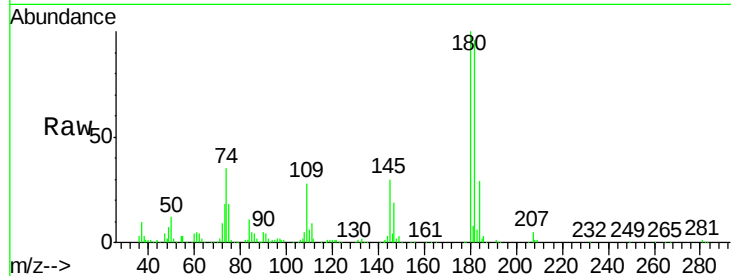




#93
 1,2,4-Trichlorobenzene
 Concen: 59.220 ug/l
 RT: 14.92 min Scan# 4088
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

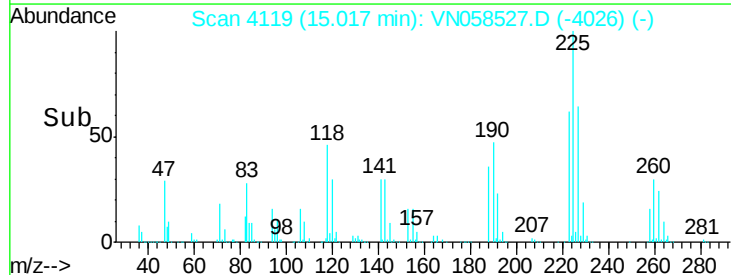
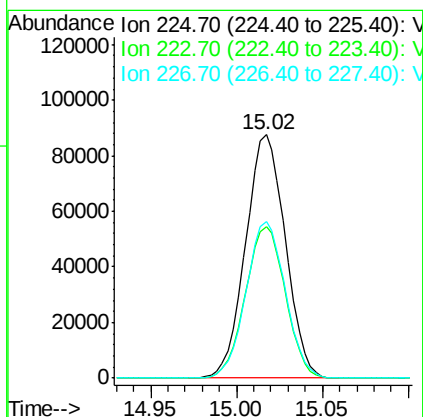
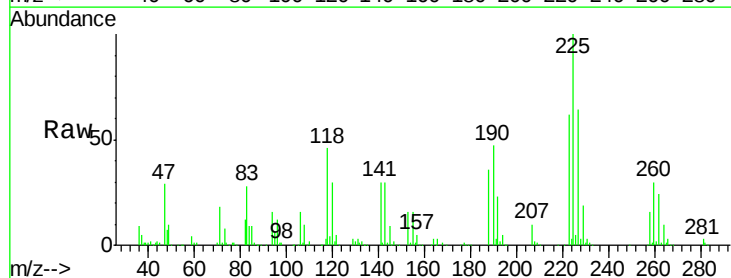
Instrument :
 MSVOA_N
 ClientSampleId :

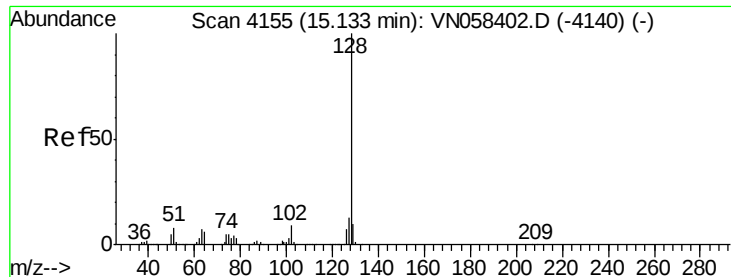
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.1	47.4	142.3
145	30.3	15.3	45.9



#94
 Hexachlorobutadiene
 Concen: 56.370 ug/l
 RT: 15.02 min Scan# 4119
 Delta R.T. 0.00 min
 Lab File: VN058527.D
 Acq: 4 Oct 2019 10:12

Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.4	31.1	93.5
227	63.5	31.4	94.2





#95

Naphthalene

Concen: 54.829 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

Instrument :

MSVOA_N

ClientSampleId :

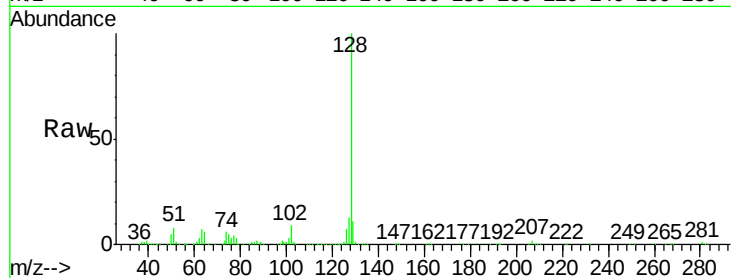
Tot Ion:128 Resp: 778960

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

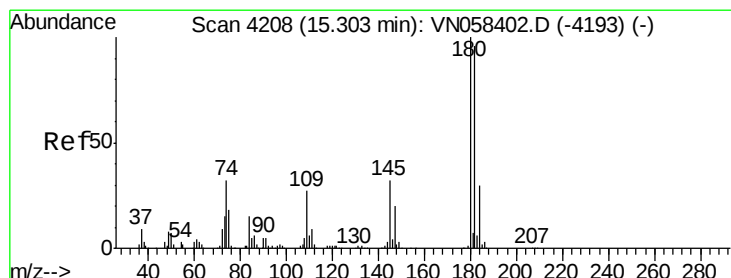
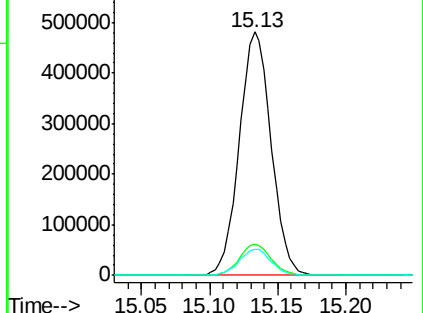
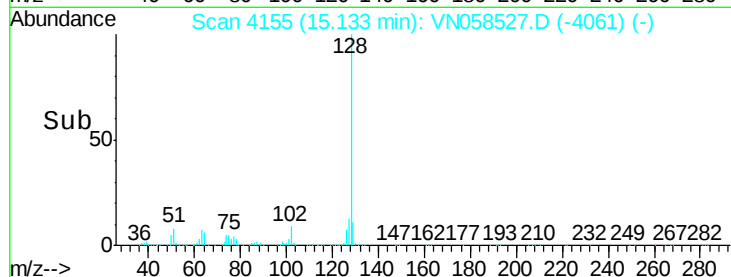
129 10.9 8.3 12.5



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 54.838 ug/l

RT: 15.30 min Scan# 4208

Delta R.T. 0.00 min

Lab File: VN058527.D

Acq: 4 Oct 2019 10:12

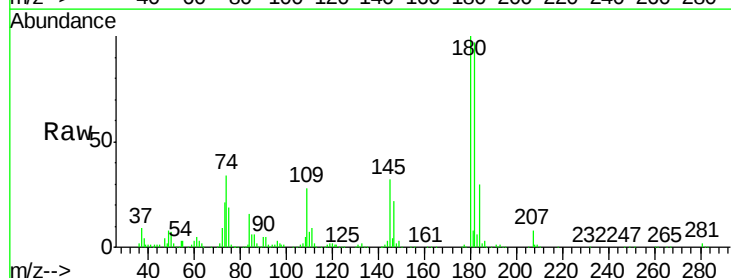
Tgt Ion:180 Resp: 266720

Ion Ratio Lower Upper

180 100

182 94.9 48.3 144.9

145 32.1 16.1 48.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

