

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN111819\
 Data File : VN059277.D
 Acq On : 18 Nov 2019 12:48
 Operator : JC/SP
 Sample : VN1118MBS01
 Misc : 5.00G/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

Quant Time: Nov 18 14:25:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	375237	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	587338	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	526574	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	234419	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	205504	44.55	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.10%	
35) Dibromofluoromethane	7.57	113	167179	47.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	95.34%	
50) Toluene-d8	10.08	98	626228	45.33	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.66%	
62) 4-Bromofluorobenzene	12.40	95	222147	44.60	ug/l	0.00
Spiked Amount	50.000		Recovery	=	89.20%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.83	85	65264	17.263	ug/l	100
3) Chloromethane	2.04	50	87061	16.941	ug/l	100
4) Vinyl Chloride	2.17	62	87919	17.645	ug/l	99
5) Bromomethane	2.54	94	53398	18.623	ug/l	98
6) Chloroethane	2.68	64	54865	18.615	ug/l	96
7) Trichlorofluoromethane	3.00	101	113805	19.096	ug/l	100
8) Diethyl Ether	3.38	74	49208	20.321	ug/l	99
9) 1,1,2-Trichlorotrifluoroet	3.73	101	71881	20.004	ug/l	99
10) Methyl Iodide	3.93	142	85386	19.197	ug/l	98
11) Tert butyl alcohol	4.75	59	92969	105.759	ug/l	99
12) 1,1-Dichloroethene	3.71	96	67647	19.326	ug/l	99
13) Acrolein	3.58	56	42740	94.301	ug/l	98
14) Allyl chloride	4.29	41	138747	19.297	ug/l	97
15) Acrylonitrile	4.95	53	235864	107.814	ug/l	100
16) Acetone	3.79	43	195084	81.331	ug/l	98
17) Carbon Disulfide	4.03	76	176237	16.219	ug/l	99
18) Methyl Acetate	4.30	43	126991	22.305	ug/l	99
19) Methyl tert-butyl Ether	5.01	73	251691	20.885	ug/l	100
20) Methylene Chloride	4.52	84	82982	19.858	ug/l	99
21) trans-1,2-Dichloroethene	5.01	96	72957	19.417	ug/l	96
22) Diisopropyl ether	5.92	45	280787	20.675	ug/l	97
23) Vinyl Acetate	5.87	43	1123379	106.727	ug/l	100
24) 1,1-Dichloroethane	5.82	63	151029	19.910	ug/l	98
25) 2-Butanone	6.81	43	307353	97.224	ug/l	99
26) 2,2-Dichloropropane	6.80	77	128467	19.368	ug/l	100
27) cis-1,2-Dichloroethene	6.81	96	89080	20.436	ug/l	96
28) Bromochloromethane	7.17	49	39443	17.283	ug/l	99
29) Tetrahydrofuran	7.18	42	211731	105.408	ug/l	99
30) Chloroform	7.35	83	150433	20.674	ug/l	99
31) Cyclohexane	7.63	56	130358	18.153	ug/l	94
32) 1,1,1-Trichloroethane	7.55	97	124307	20.319	ug/l	99
36) 1,1-Dichloropropene	7.77	75	105008	19.127	ug/l	100
37) Ethyl Acetate	6.90	43	125405	20.533	ug/l	99
38) Carbon Tetrachloride	7.75	117	108228	19.807	ug/l	96

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

39) Methylcyclohexane	9.07	83	118943	18.668	ug/l	98
40) Benzene	8.02	78	331283	20.039	ug/l	98
41) Methacrylonitrile	7.15	41	56333	21.212	ug/l #	100
42) 1,2-Dichloroethane	8.10	62	113763	20.064	ug/l	99
43) Isopropyl Acetate	8.15	43	194376	19.963	ug/l	99
44) Trichloroethene	8.82	130	82077	20.197	ug/l	99
45) 1,2-Dichloropropane	9.10	63	91272	20.326	ug/l	98
46) Dibromomethane	9.19	93	56909	20.338	ug/l	98
47) Bromodichloromethane	9.39	83	117205	20.976	ug/l	99
48) Methyl methacrylate	9.18	41	85213	19.566	ug/l	97
49) 1,4-Dioxane	9.18	88	33180	428.694	ug/l	97
51) 4-Methyl-2-Pentanone	9.97	43	626017	113.630	ug/l	100
52) Toluene	10.15	92	201627	20.348	ug/l	98
53) t-1,3-Dichloropropene	10.37	75	130440	20.206	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	139802	20.133	ug/l	97
55) 1,1,2-Trichloroethane	10.55	97	83725	20.878	ug/l	97
56) Ethyl methacrylate	10.42	69	122217	19.461	ug/l	97
57) 1,3-Dichloropropane	10.70	76	141121	20.447	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.68	63	220684	98.883	ug/l	99
59) 2-Hexanone	10.74	43	449719	106.352	ug/l	99
60) Dibromochloromethane	10.90	129	87488	20.634	ug/l	100
61) 1,2-Dibromoethane	11.00	107	82858	20.411	ug/l	98
64) Tetrachloroethene	10.63	164	72442	20.232	ug/l	96
65) Chlorobenzene	11.43	112	214030	20.850	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	81638	21.201	ug/l	98
67) Ethyl Benzene	11.51	91	379013	20.811	ug/l	99
68) m/p-Xylenes	11.62	106	280702	41.146	ug/l	99
69) o-Xylene	11.94	106	135377	20.534	ug/l	100
70) Styrene	11.96	104	214916	20.727	ug/l	99
71) Bromoform	12.12	173	63971	21.358	ug/l #	99
73) Isopropylbenzene	12.25	105	369309	21.658	ug/l	100
74) N-amyl acetate	12.07	43	147046	20.351	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	129580	22.315	ug/l	100
76) 1,2,3-Trichloropropane	12.55	75	168449	31.563	ug/l #	100
77) Bromobenzene	12.53	156	89576	20.909	ug/l	98
78) n-propylbenzene	12.59	91	417849	21.402	ug/l	99
79) 2-Chlorotoluene	12.67	91	253734	20.949	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	309945	21.451	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	41910	20.741	ug/l	99
82) 4-Chlorotoluene	12.77	91	253345	20.855	ug/l	99
83) tert-Butylbenzene	12.99	119	267862	21.467	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	301674	21.580	ug/l	100
85) sec-Butylbenzene	13.17	105	351207	21.642	ug/l	100
86) p-Isopropyltoluene	13.29	119	307506	21.461	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	154590	21.072	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	149433	20.359	ug/l	99
89) n-Butylbenzene	13.62	91	253100	20.182	ug/l	100
90) Hexachloroethane	13.88	117	59950	20.836	ug/l	100
91) 1,2-Dichlorobenzene	13.65	146	154978	21.475	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24947	21.548	ug/l	98

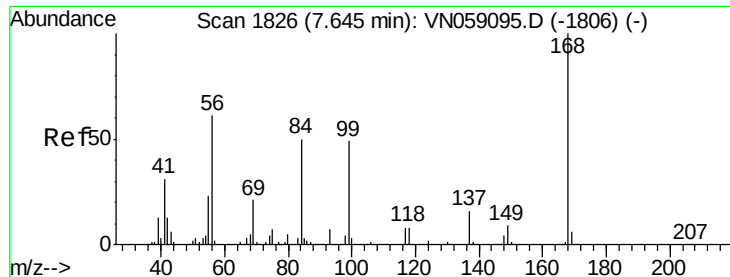
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	79978	20.200	ug/l	100
94) Hexachlorobutadiene	15.01	225	55684	22.378	ug/l	100
95) Naphthalene	15.13	128	219362	20.003	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	84820	20.972	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

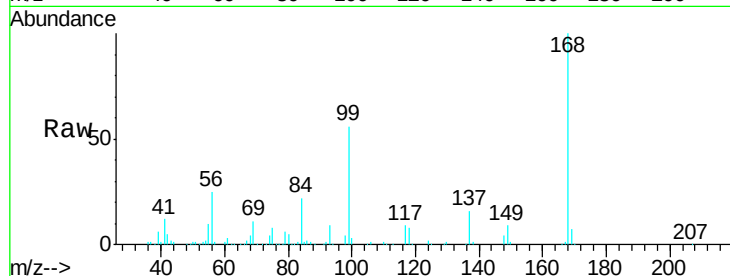
VN1118MBS01

Tgt Ion:168 Resp: 375237

Ion Ratio Lower Upper

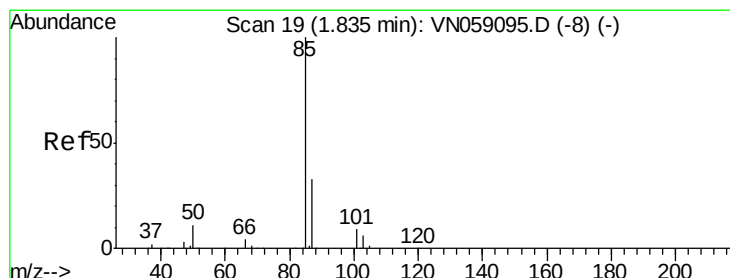
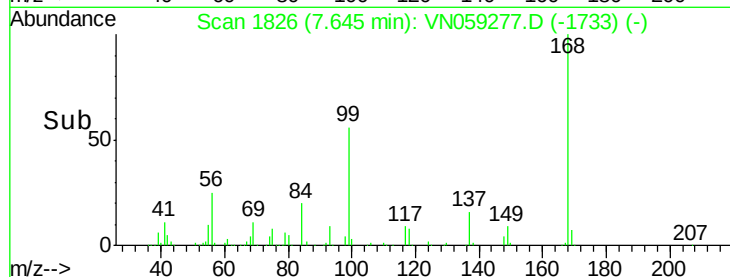
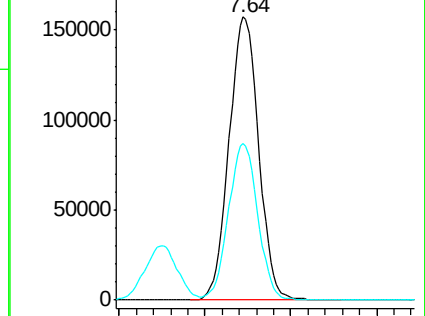
168 100

99 55.5 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 17.263 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN059277.D

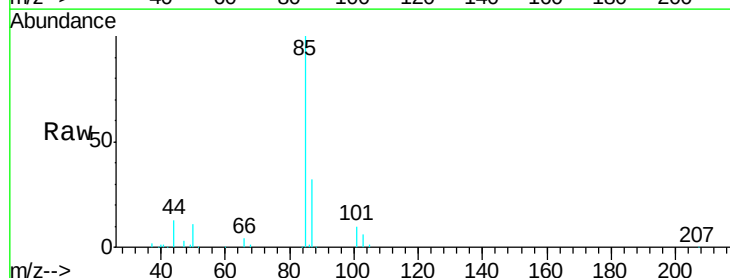
Acq: 18 Nov 2019 12:48

Tgt Ion: 85 Resp: 65264

Ion Ratio Lower Upper

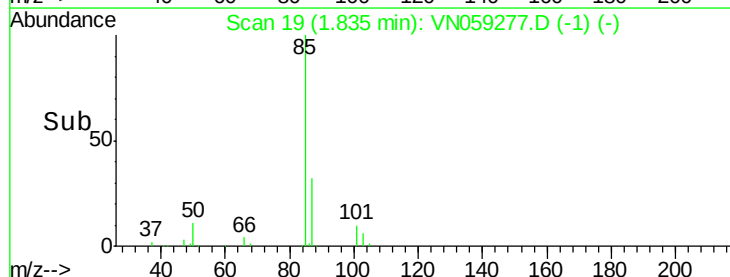
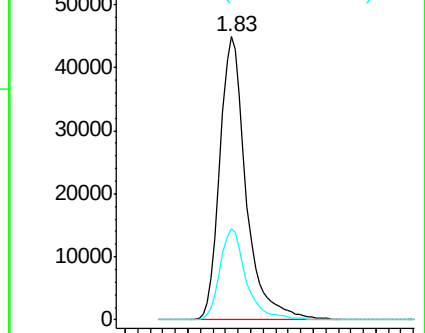
85 100

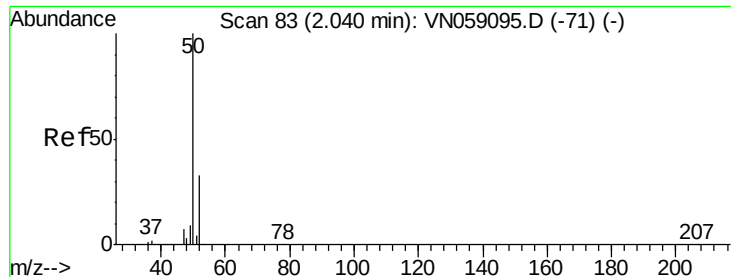
87 32.3 16.3 48.9



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 16.941 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

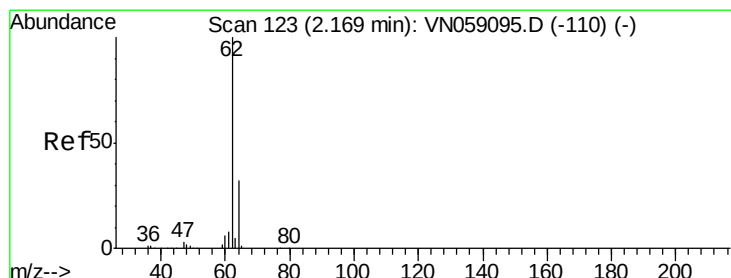
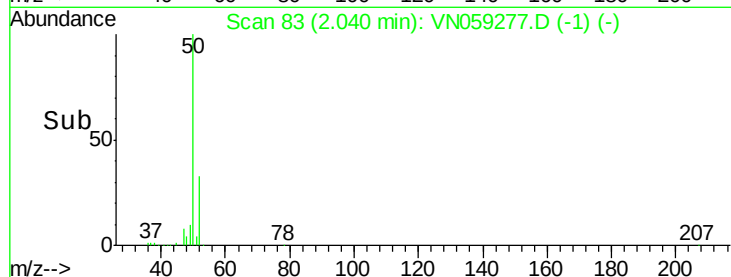
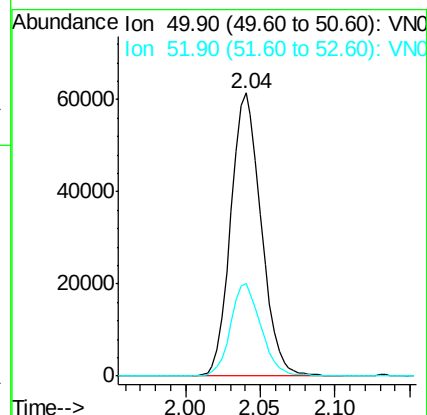
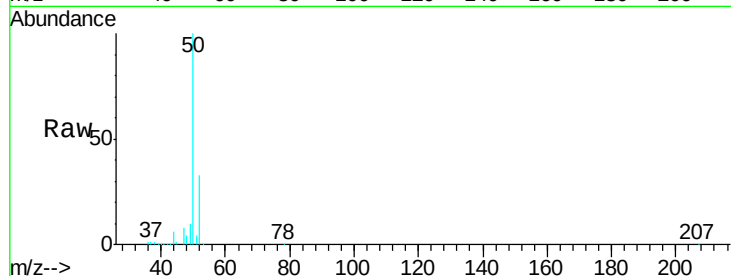
VN1118MBS01

Tgt Ion: 50 Resp: 87061

Ion Ratio Lower Upper

50 100

52 32.8 26.0 39.0



#4

Vinyl Chloride

Concen: 17.645 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN059277.D

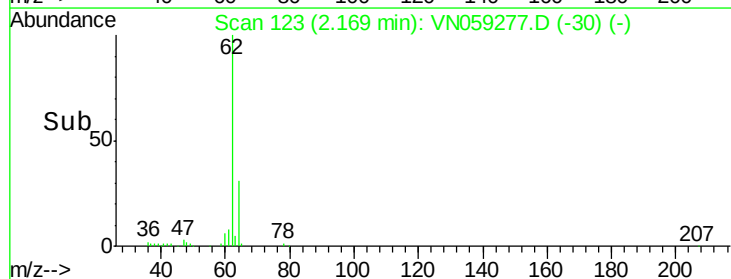
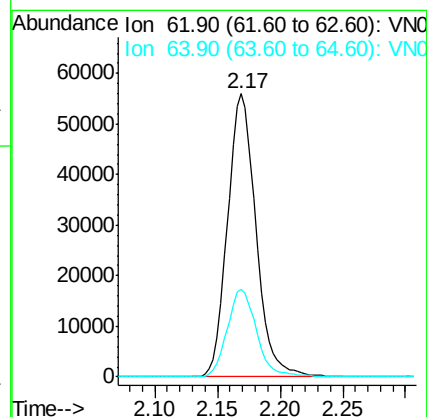
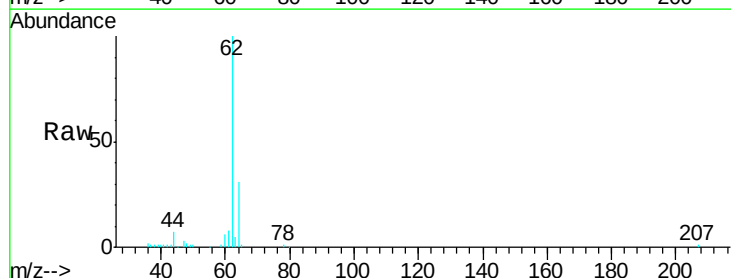
Acq: 18 Nov 2019 12:48

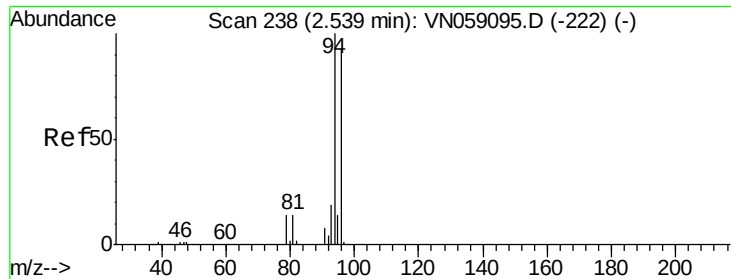
Tgt Ion: 62 Resp: 87919

Ion Ratio Lower Upper

62 100

64 31.1 25.4 38.2





#5

Bromomethane

Concen: 18.623 ug/l

RT: 2.54 min Scan# 238

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

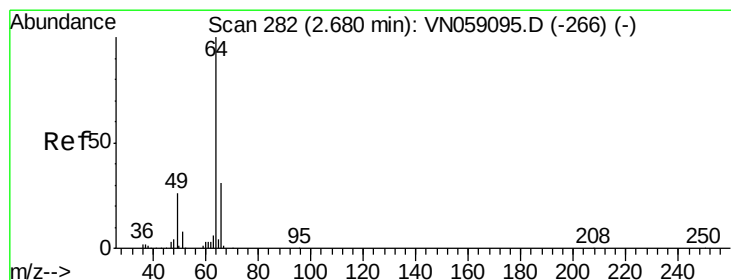
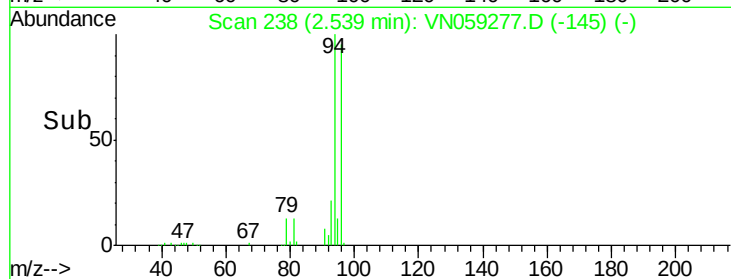
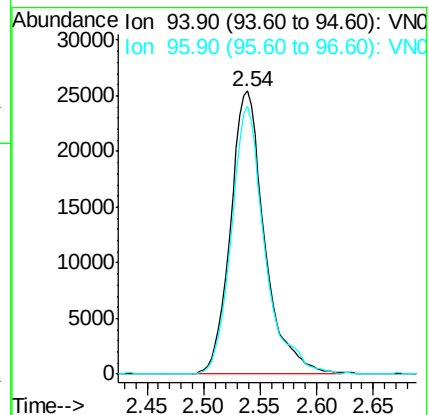
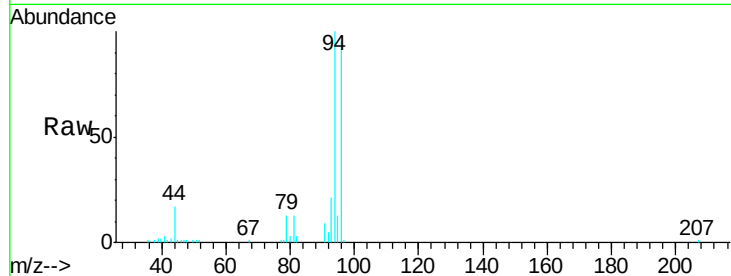
VN1118MBS01

Tgt Ion: 94 Resp: 53398

Ion Ratio Lower Upper

94 100

96 94.6 74.2 111.2



#6

Chloroethane

Concen: 18.615 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.00 min

Lab File: VN059277.D

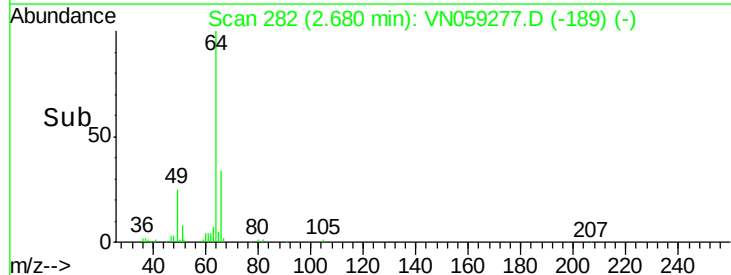
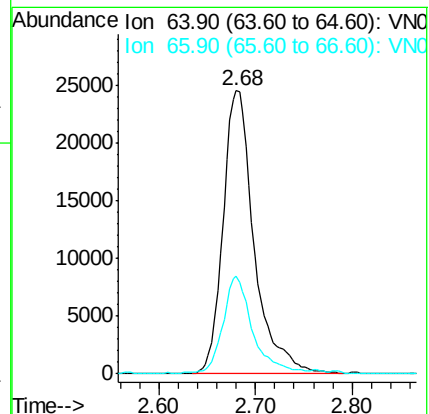
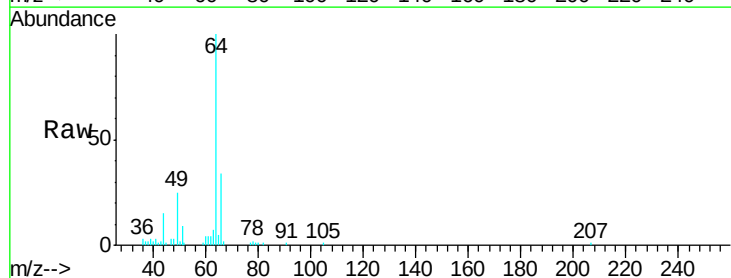
Acq: 18 Nov 2019 12:48

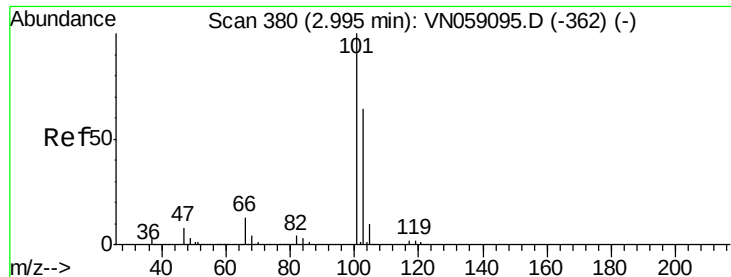
Tgt Ion: 64 Resp: 54865

Ion Ratio Lower Upper

64 100

66 33.7 25.2 37.8



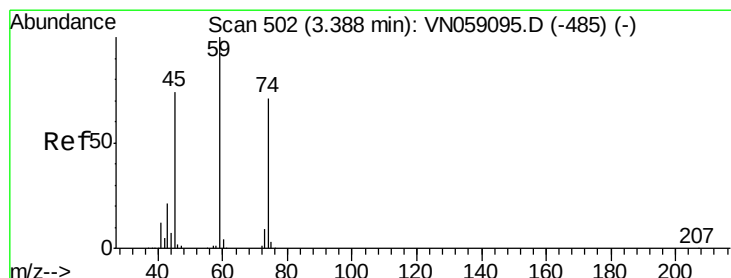
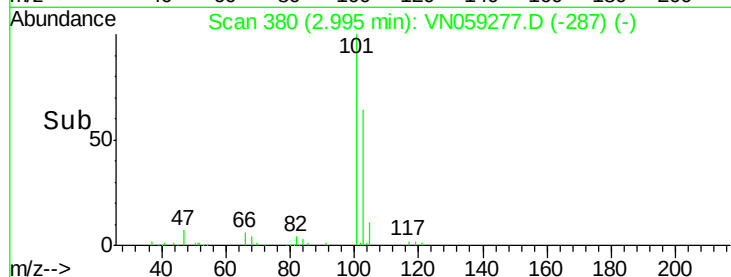
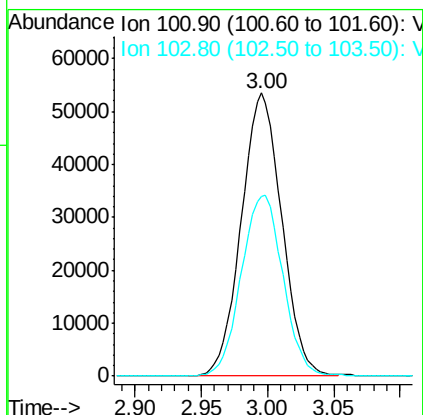
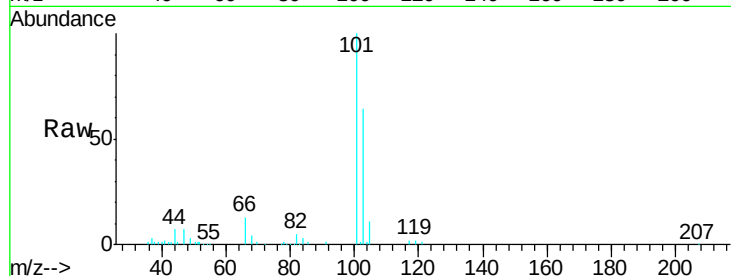


#7

Trichlorofluoromethane
 Concen: 19.096 ug/l
 RT: 3.00 min Scan# 380
 Delta R.T. -0.00 min
 Lab File: VN059277.D
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Instrument :
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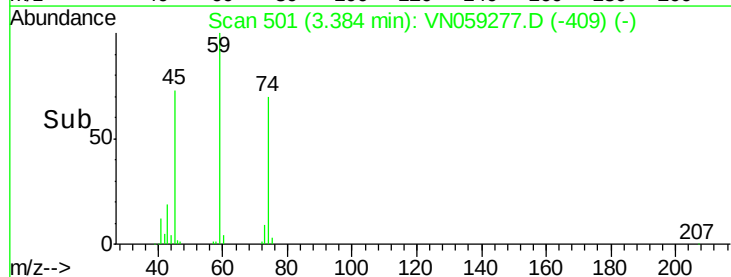
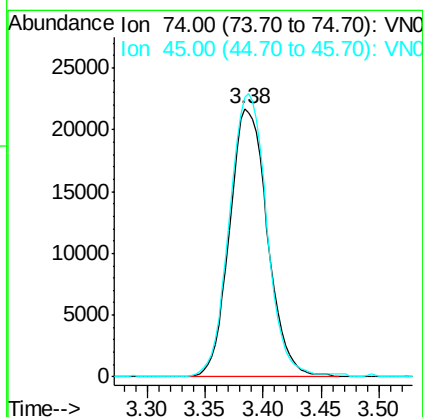
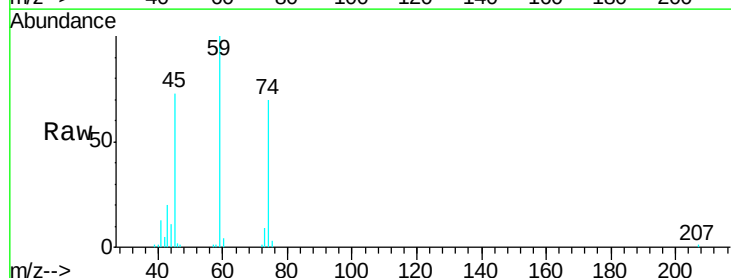
Tgt Ion:101 Resp: 113805
 Ion Ratio Lower Upper
 101 100
 103 63.7 51.2 76.8

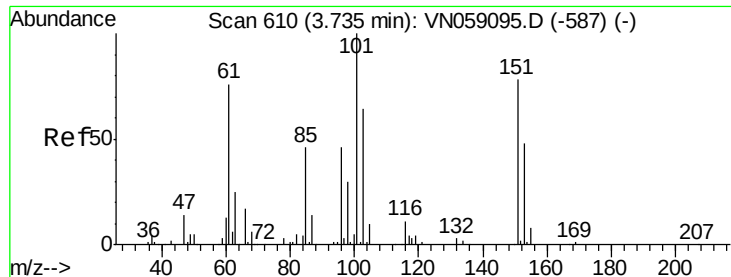


#8

Diethyl Ether
 Concen: 20.321 ug/l
 RT: 3.38 min Scan# 501
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 74 Resp: 49208
 Ion Ratio Lower Upper
 74 100
 45 104.2 51.6 154.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.004 ug/l

RT: 3.73 min Scan# 609

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

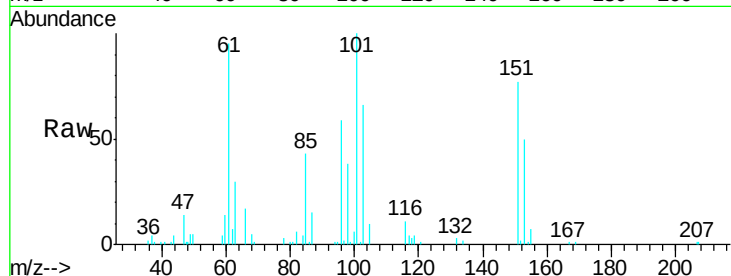
Tgt Ion:101 Resp: 71881

Ion Ratio Lower Upper

101 100

85 44.1 35.5 53.3

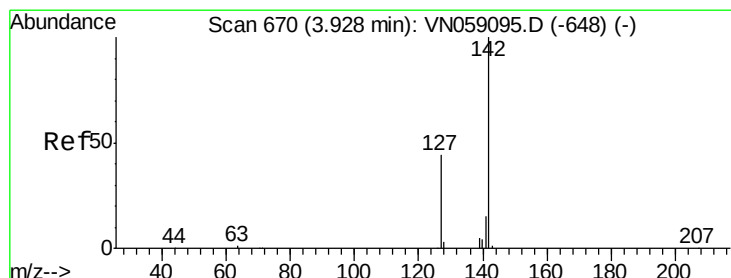
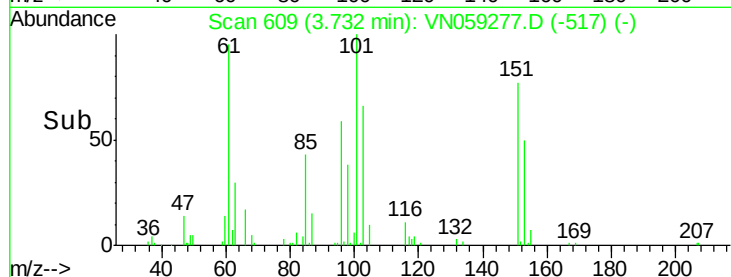
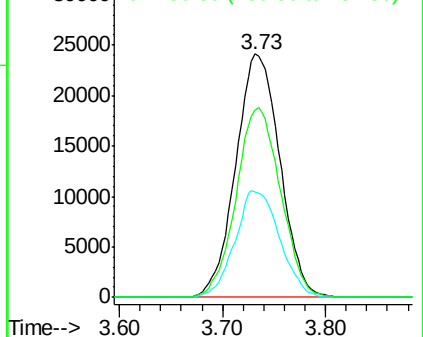
151 78.3 62.2 93.2



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: 19.197 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

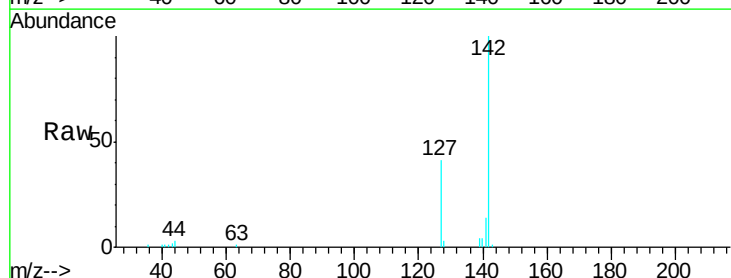
Tgt Ion:142 Resp: 85386

Ion Ratio Lower Upper

142 100

127 41.4 34.2 51.2

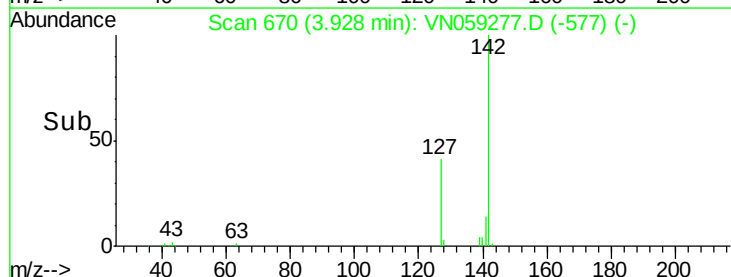
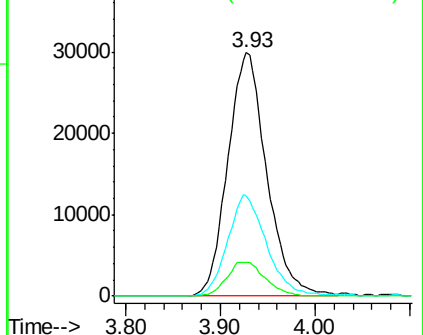
141 13.9 11.4 17.0

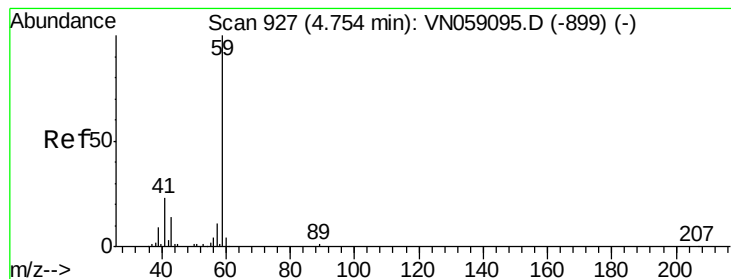


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



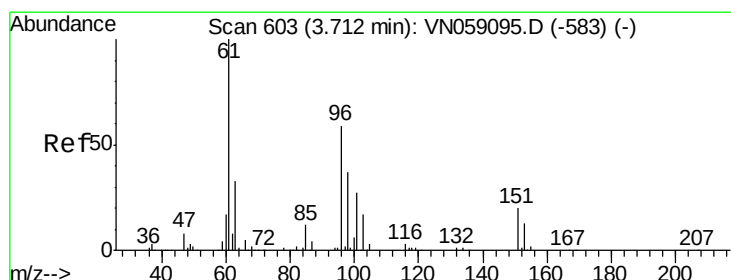
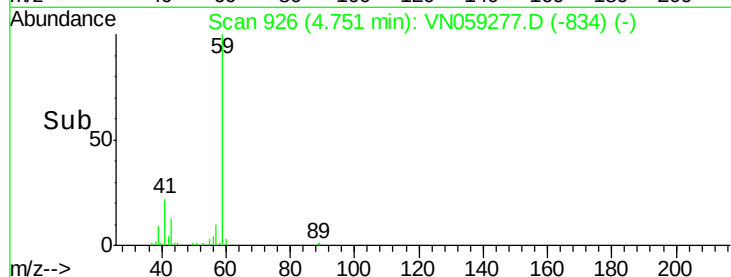
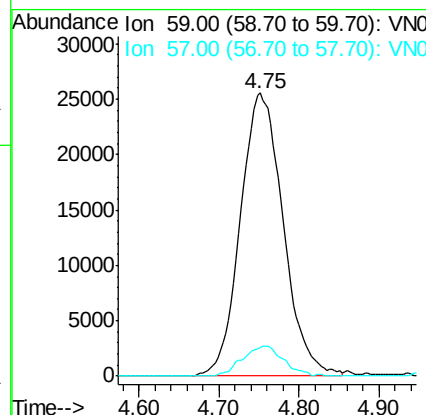
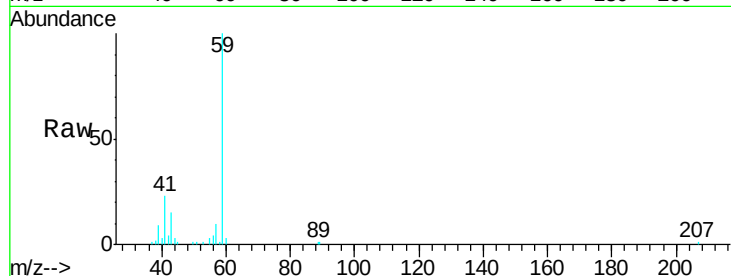


#11

Tert butyl alcohol
 Concen: 105.759 ug/l
 RT: 4.75 min Scan# 926
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

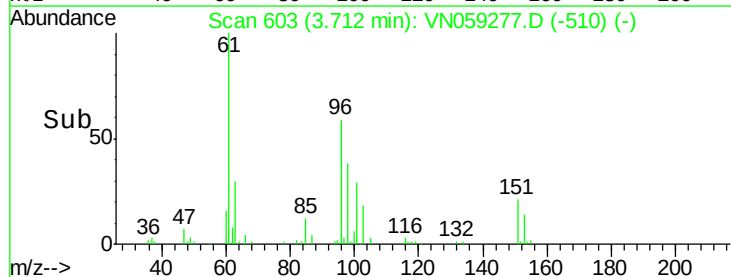
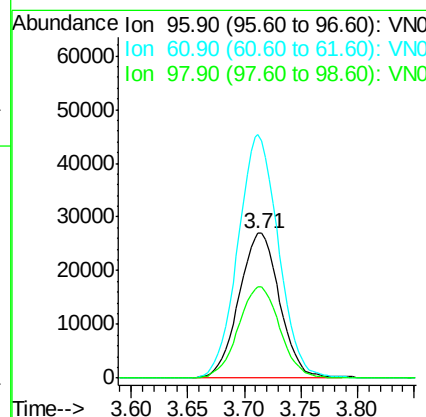
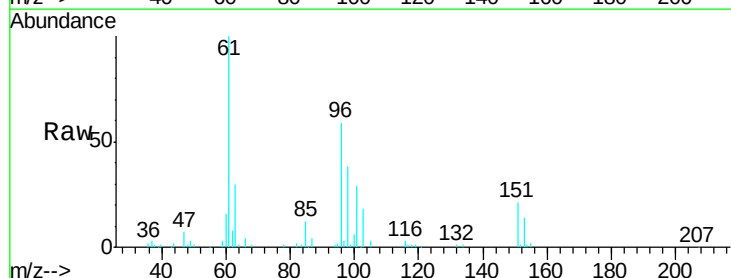
Tgt Ion: 59 Resp: 92969
 Ion Ratio Lower Upper
 59 100
 57 10.2 8.3 12.5

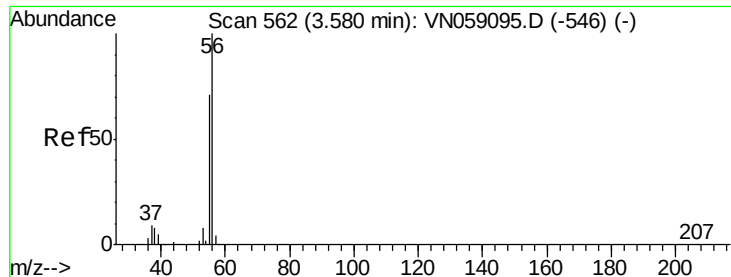


#12

1,1-Dichloroethene
 Concen: 19.326 ug/l
 RT: 3.71 min Scan# 603
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 96 Resp: 67647
 Ion Ratio Lower Upper
 96 100
 61 168.1 136.5 204.7
 98 63.2 50.2 75.4





#13

Acrolein

Concen: 94.301 ug/l

RT: 3.58 min Scan# 562

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

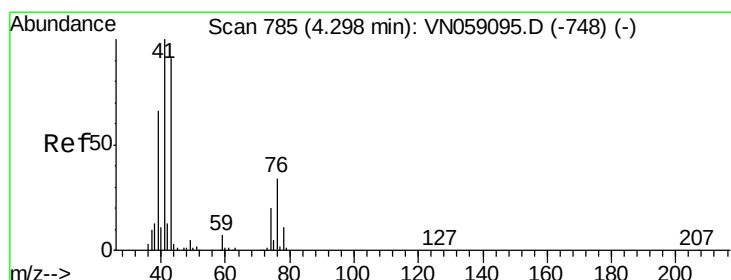
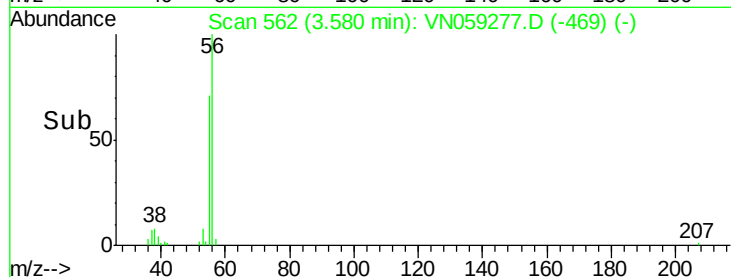
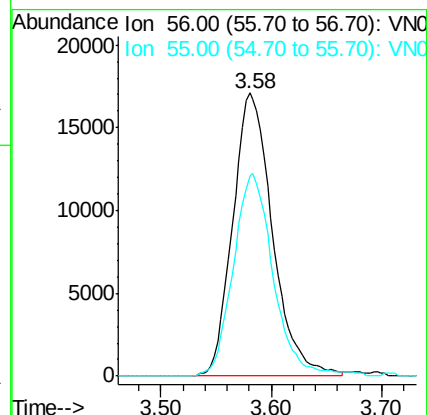
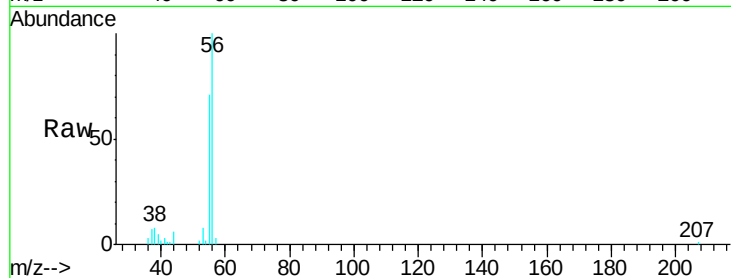
VN1118MBS01

Tgt Ion: 56 Resp: 42740

Ion Ratio Lower Upper

56 100

55 72.0 56.4 84.6



#14

Allyl chloride

Concen: 19.297 ug/l

RT: 4.29 min Scan# 784

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

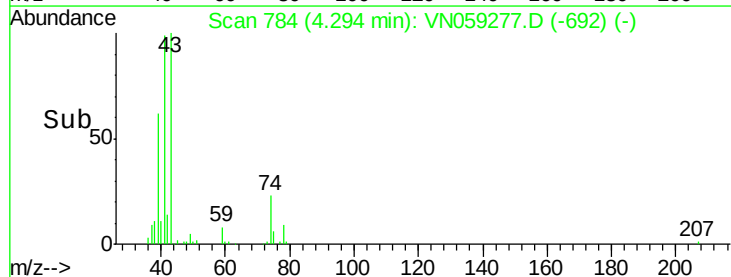
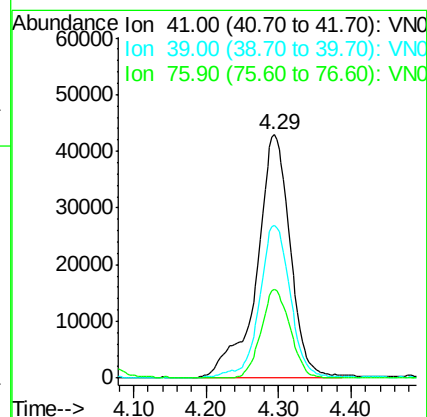
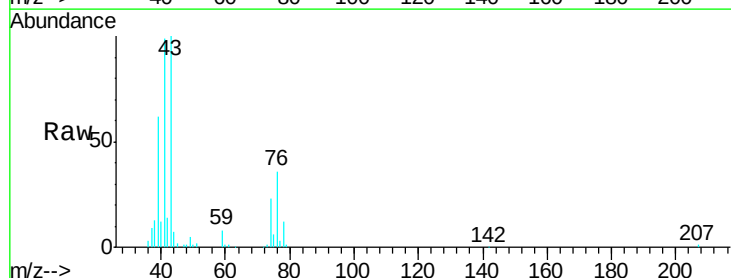
Tgt Ion: 41 Resp: 138747

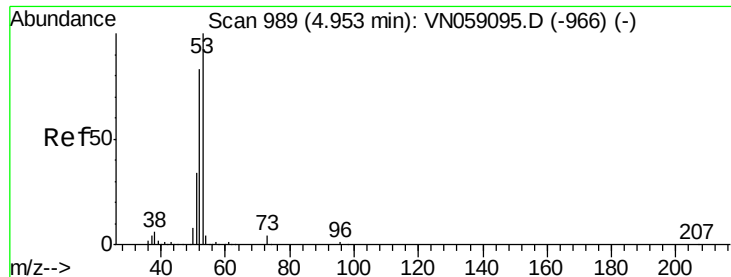
Ion Ratio Lower Upper

41 100

39 58.2 49.1 73.7

76 31.4 24.9 37.3





#15

Acrylonitrile

Concen: 107.814 ug/l

RT: 4.95 min Scan# 989

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

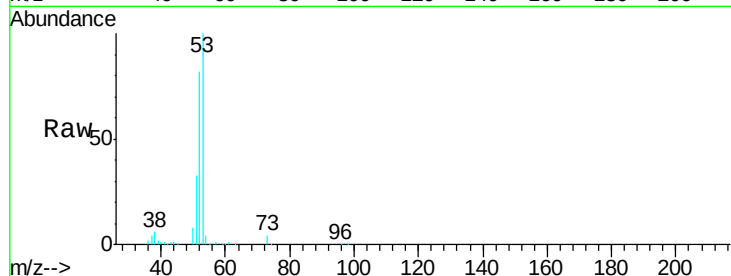
Tgt Ion: 53 Resp: 235864

Ion Ratio Lower Upper

53 100

52 81.8 65.0 97.6

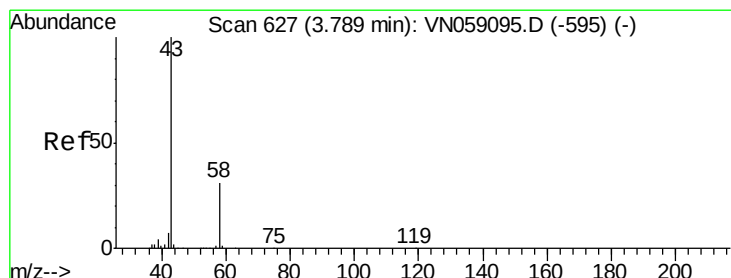
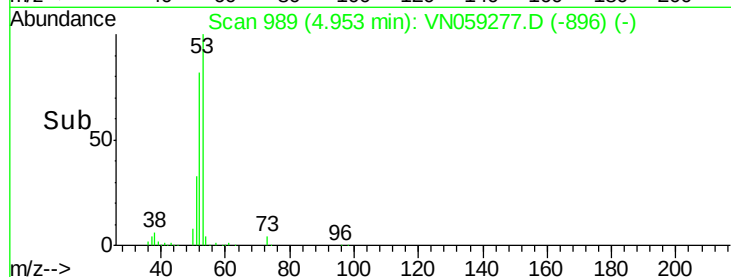
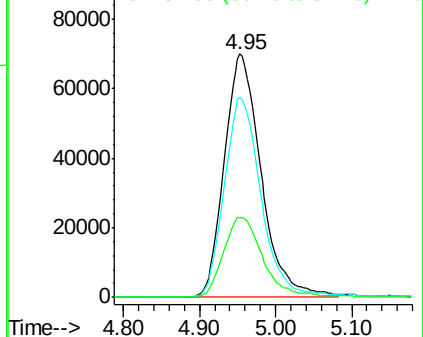
51 35.0 28.0 42.0



Abundance Ion 53.00 (52.70 to 53.70): VN059277.D (-966) (-)

Ion 52.00 (51.70 to 52.70): VN059277.D (-966) (-)

Ion 51.00 (50.70 to 51.70): VN059277.D (-966) (-)



#16

Acetone

Concen: 81.331 ug/l

RT: 3.79 min Scan# 627

Delta R.T. -0.00 min

Lab File: VN059277.D

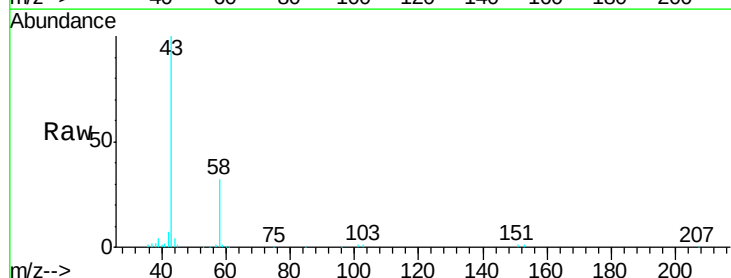
Acq: 18 Nov 2019 12:48

Tgt Ion: 43 Resp: 195084

Ion Ratio Lower Upper

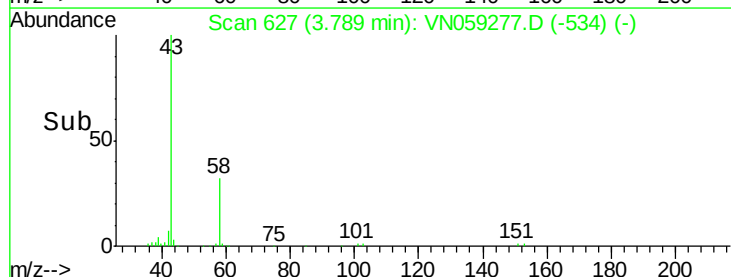
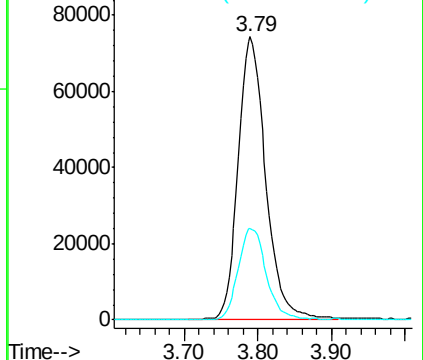
43 100

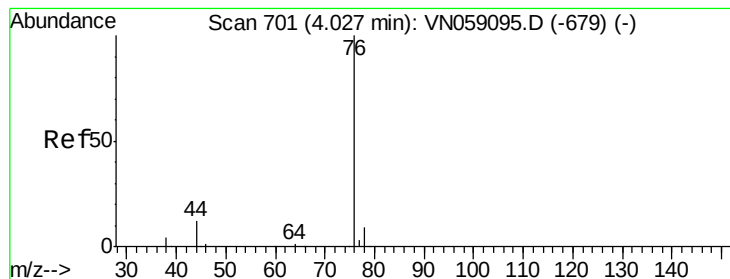
58 32.4 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN059277.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059277.D (-534) (-)





#17

Carbon Disulfide

Concen: 16.219 ug/l

RT: 4.03 min Scan# 701

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

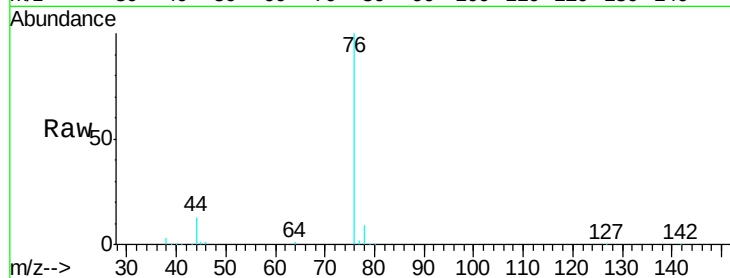
VN1118MBS01

Tgt Ion: 76 Resp: 176237

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN059277.D (-608) (-)

Ion 77.90 (77.60 to 78.60): VN059277.D (-608) (-)

4.03

60000

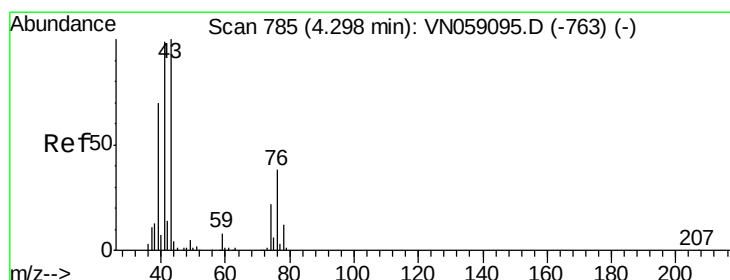
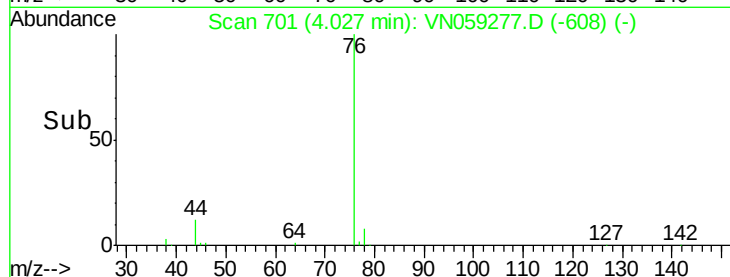
40000

20000

0

3.90 4.00 4.10

Time-->



#18

Methyl Acetate

Concen: 22.305 ug/l

RT: 4.30 min Scan# 785

Delta R.T. -0.00 min

Lab File: VN059277.D

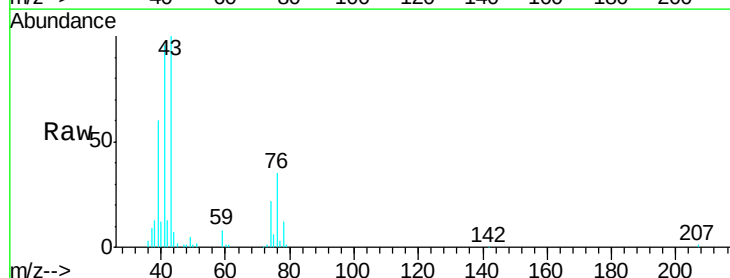
Acq: 18 Nov 2019 12:48

Tgt Ion: 43 Resp: 126991

Ion Ratio Lower Upper

43 100

74 22.6 17.8 26.8



Abundance Ion 43.00 (42.70 to 43.70): VN059277.D (-692) (-)

Ion 74.00 (73.70 to 74.70): VN059277.D (-692) (-)

4.30

50000

40000

30000

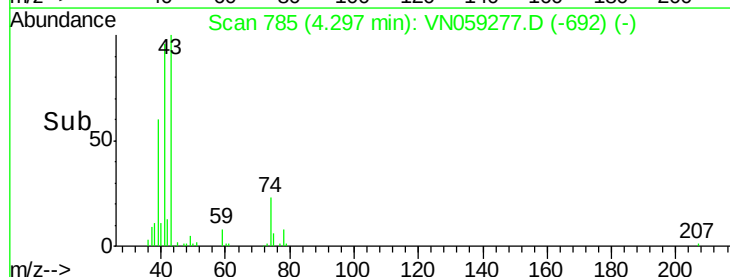
20000

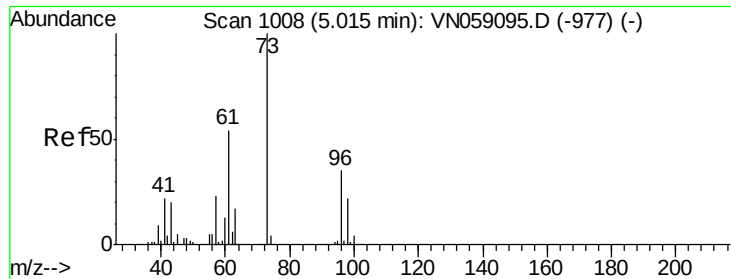
10000

0

4.20 4.30 4.40

Time-->

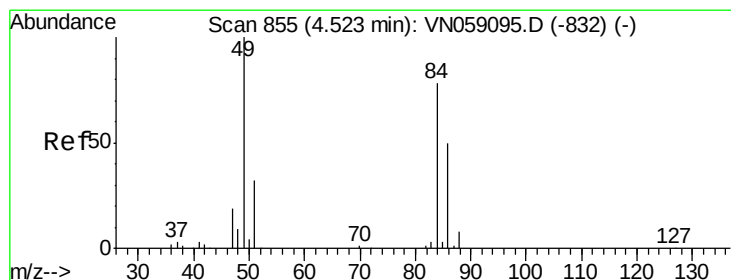
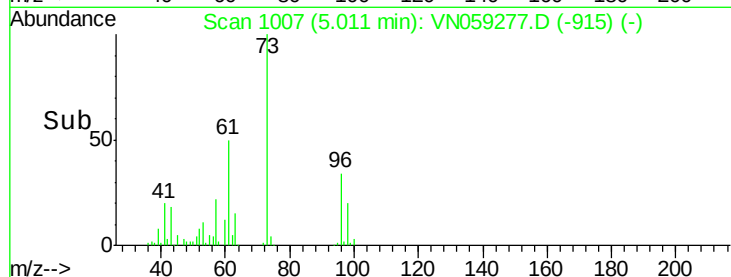
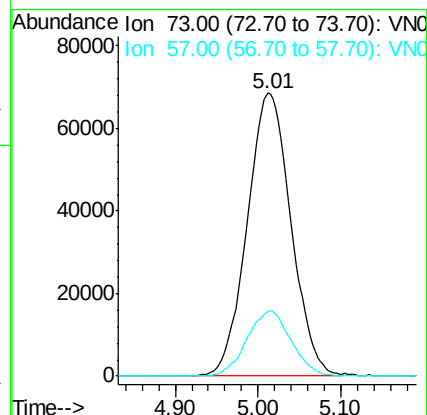
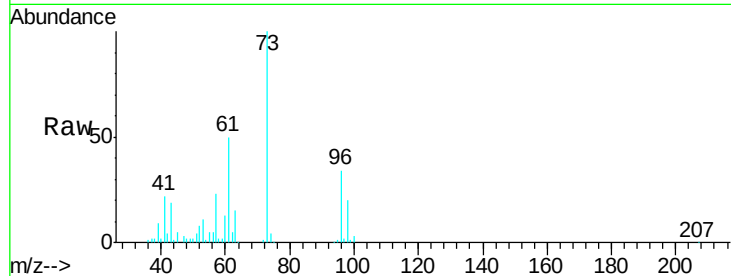




#19
Methyl tert-butyl Ether
Concen: 20.885 ug/l
RT: 5.01 min Scan# 1007
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

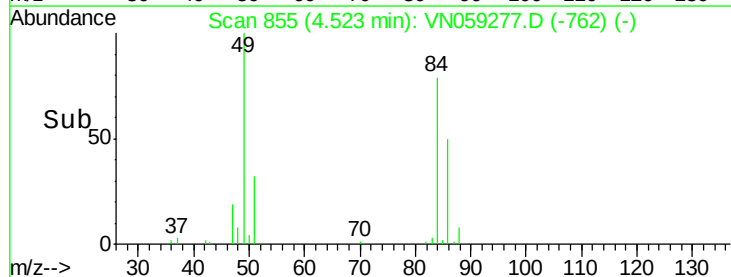
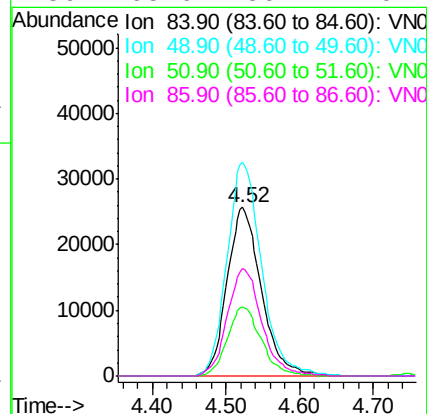
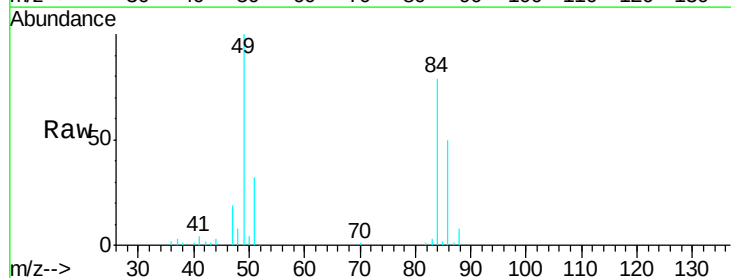
Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

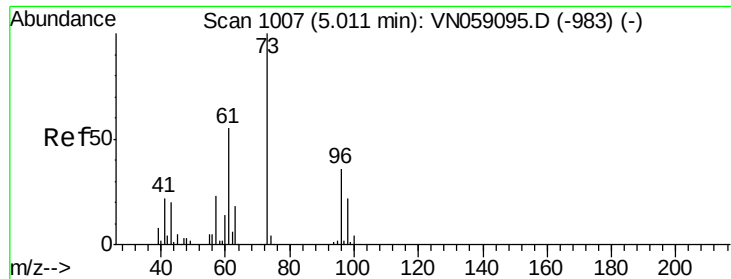
Tgt Ion: 73 Resp: 251691
Ion Ratio Lower Upper
73 100
57 22.9 18.4 27.6



#20
Methylene Chloride
Concen: 19.858 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion: 84 Resp: 82982
Ion Ratio Lower Upper
84 100
49 126.9 102.0 153.0
51 41.2 32.2 48.2
86 63.6 50.7 76.1





#21

trans-1,2-Dichloroethene

Concen: 19.417 ug/l

RT: 5.01 min Scan# 1007

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

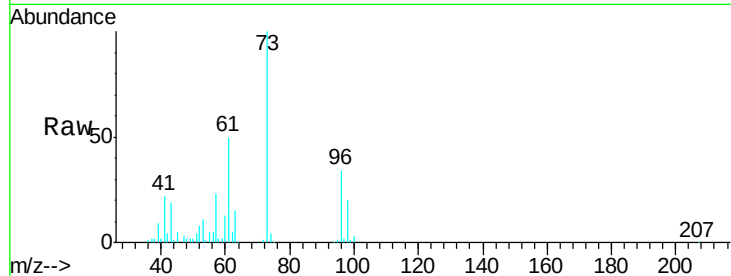
Tgt Ion: 96 Resp: 72957

Ion Ratio Lower Upper

96 100

61 148.0 122.6 183.8

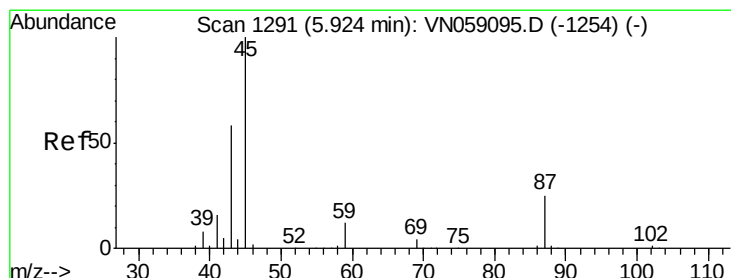
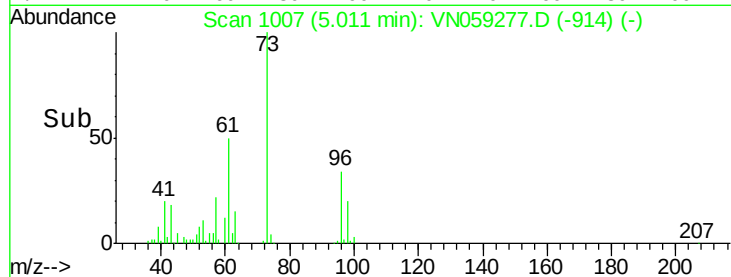
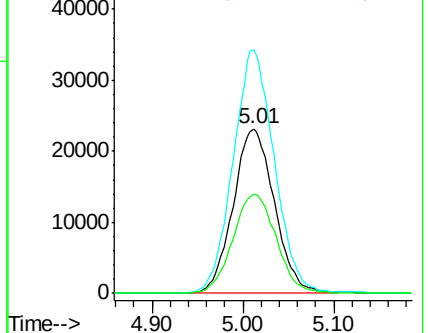
98 60.1 50.3 75.5



Abundance Ion 95.90 (95.60 to 96.60): VN059277.D (-914) (-)

Ion 60.90 (60.60 to 61.60): VN059277.D (-914) (-)

Ion 97.90 (97.60 to 98.60): VN059277.D (-914) (-)



#22

Diisopropyl ether

Concen: 20.675 ug/l

RT: 5.92 min Scan# 1291

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion: 45 Resp: 280787

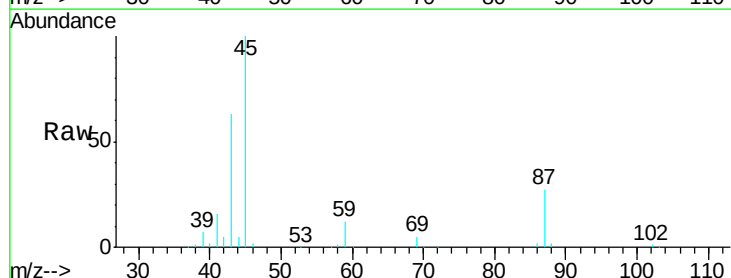
Ion Ratio Lower Upper

45 100

43 61.6 46.7 70.1

87 26.8 20.5 30.7

59 12.1 9.6 14.4

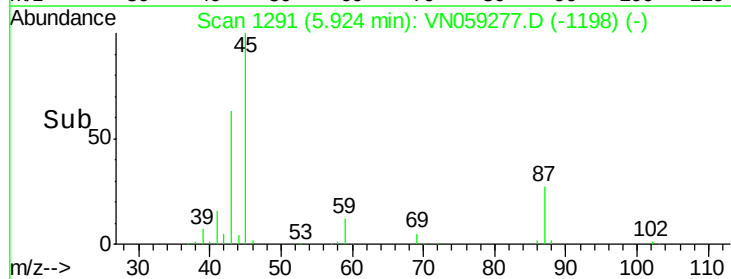
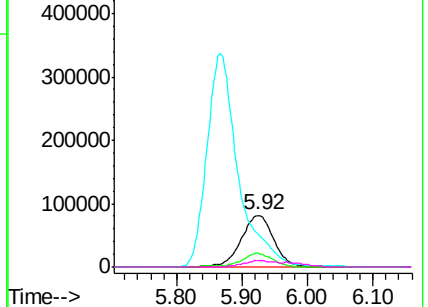


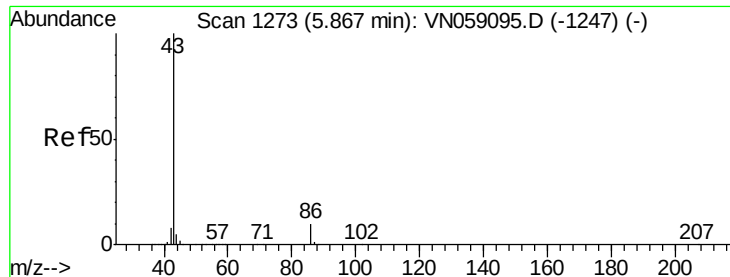
Abundance Ion 45.00 (44.70 to 45.70): VN059277.D (-1198) (-)

Ion 43.00 (42.70 to 43.70): VN059277.D (-1198) (-)

Ion 87.00 (86.70 to 87.70): VN059277.D (-1198) (-)

Ion 59.00 (58.70 to 59.70): VN059277.D (-1198) (-)





#23

Vinyl Acetate

Concen: 106.727 ug/l

RT: 5.87 min Scan# 1273

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

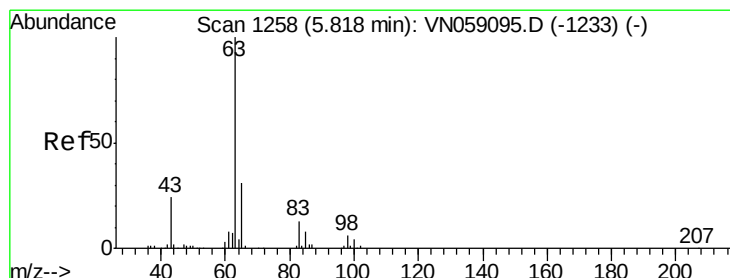
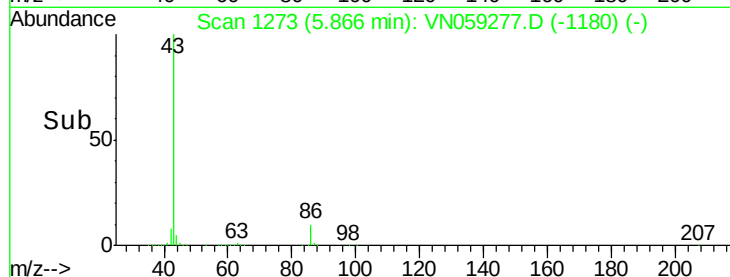
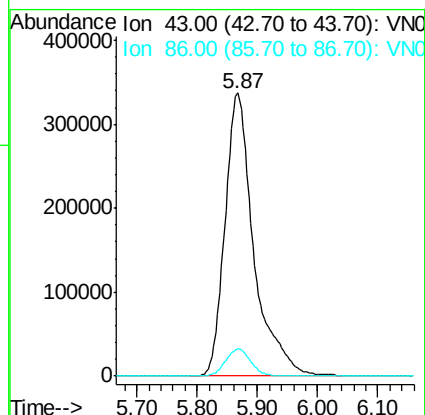
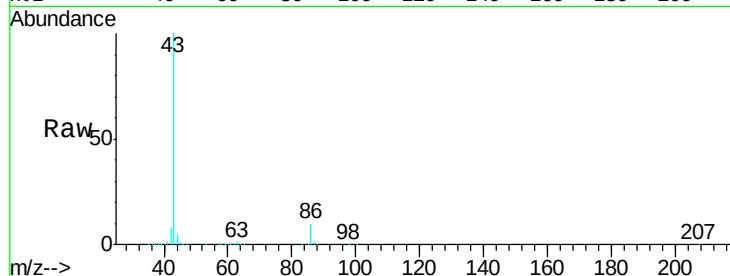
VN1118MBS01

Tgt Ion: 43 Resp: 1123379

Ion Ratio Lower Upper

43 100

86 9.7 7.7 11.5



#24

1,1-Dichloroethane

Concen: 19.910 ug/l

RT: 5.82 min Scan# 1258

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

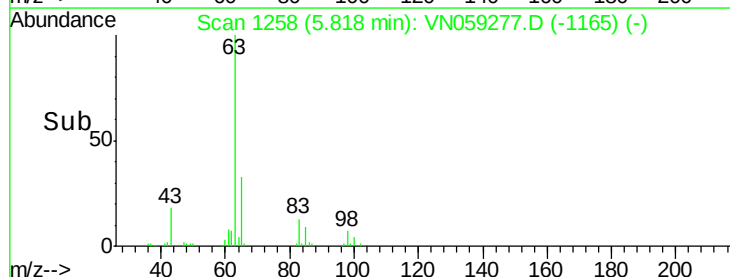
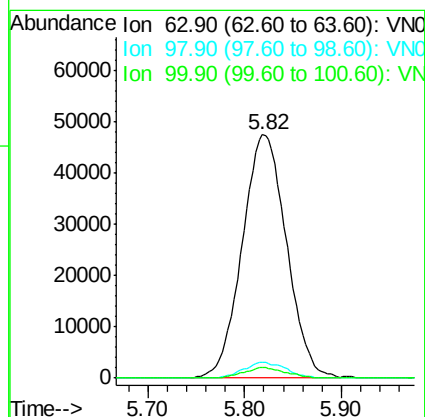
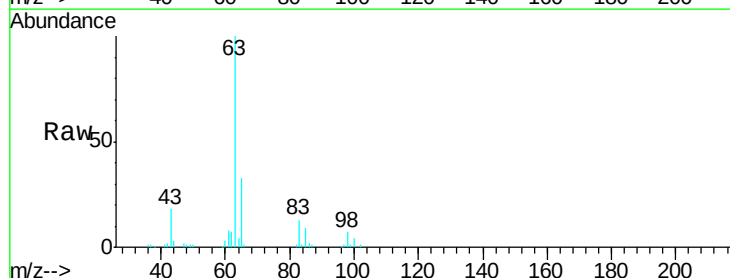
Tgt Ion: 63 Resp: 151029

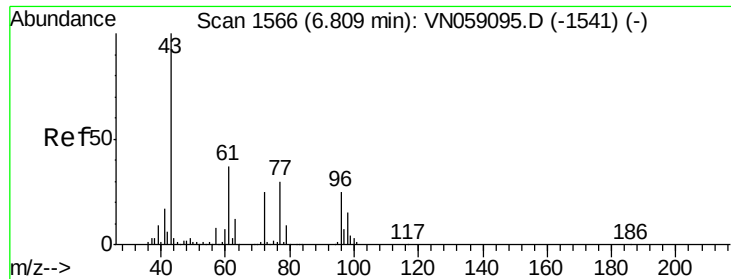
Ion Ratio Lower Upper

63 100

98 6.6 2.8 8.4

100 4.3 1.9 5.7





#25

2-Butanone

Concen: 97.224 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

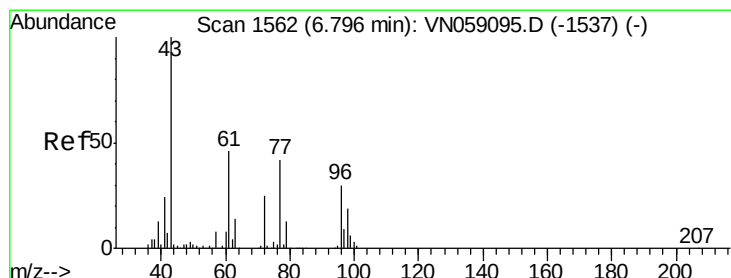
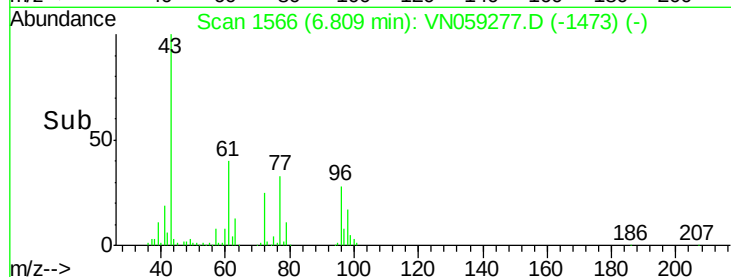
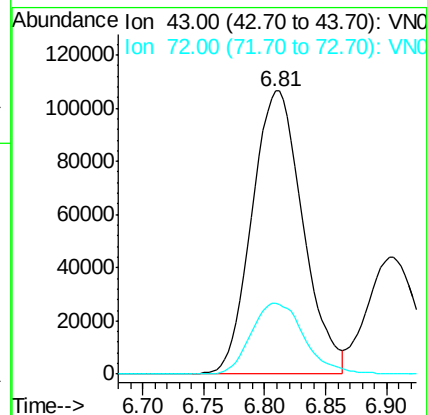
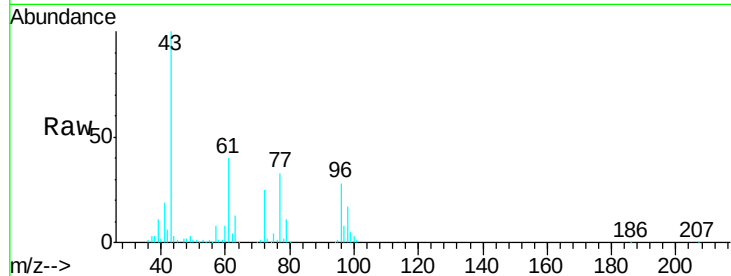
VN1118MBS01

Tgt Ion: 43 Resp: 307353

Ion Ratio Lower Upper

43 100

72 25.1 20.3 30.5



#26

2,2-Dichloropropane

Concen: 19.368 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. 0.00 min

Lab File: VN059277.D

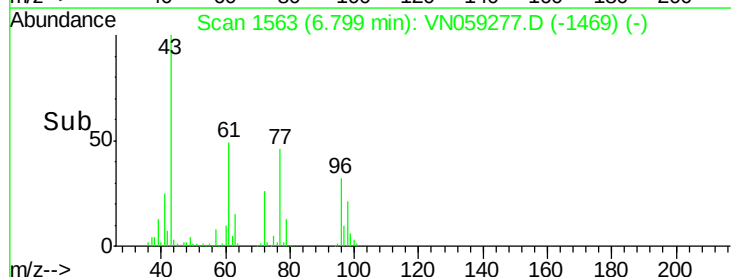
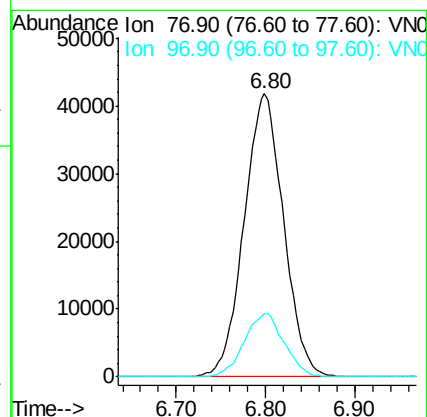
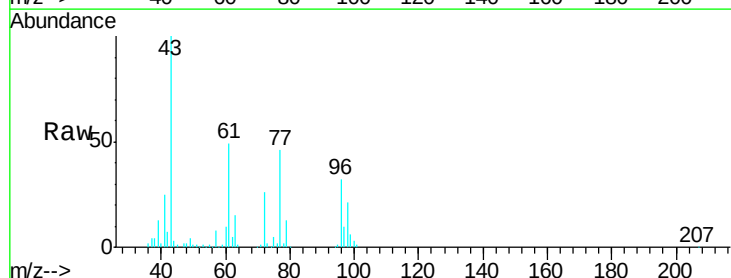
Acq: 18 Nov 2019 12:48

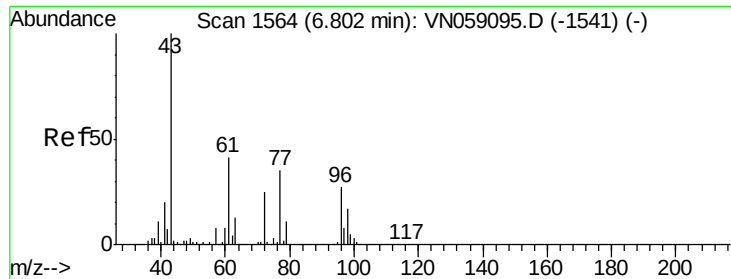
Tgt Ion: 77 Resp: 128467

Ion Ratio Lower Upper

77 100

97 22.5 11.2 33.6





#27

cis-1,2-Dichloroethene

Concen: 20.436 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

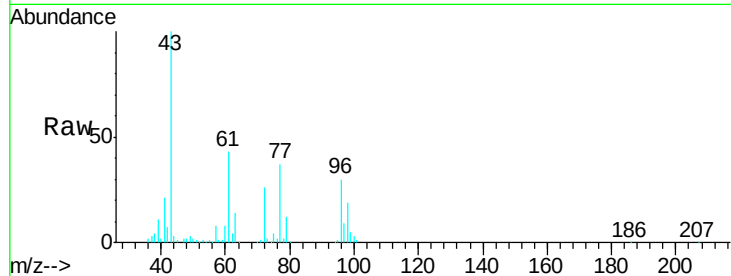
Tgt Ion: 96 Resp: 89080

Ion Ratio Lower Upper

96 100

61 149.5 0.0 311.6

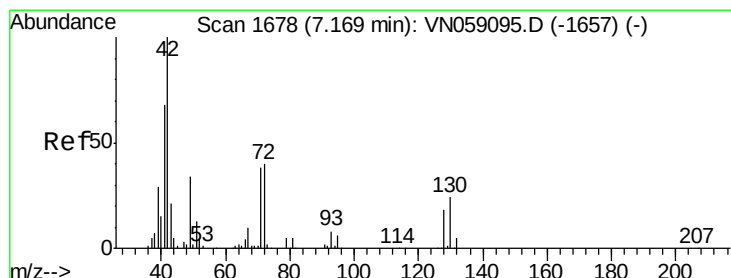
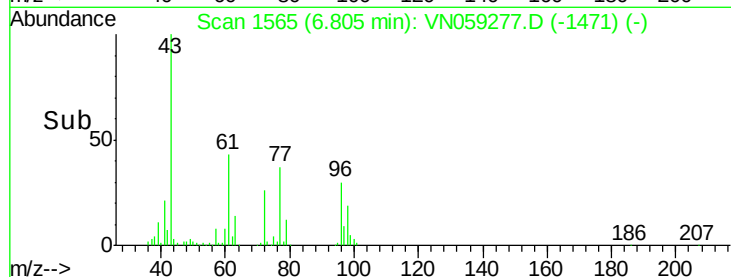
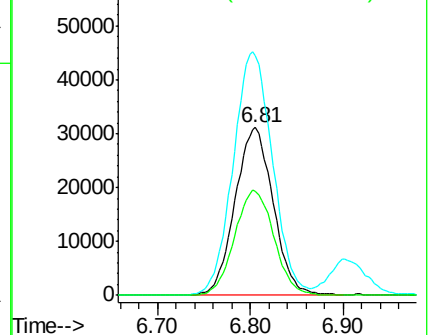
98 64.2 0.0 129.8



Abundance Ion 95.90 (95.60 to 96.60): VN059277.D (-1541) (-)

Ion 60.90 (60.60 to 61.60): VN059277.D (-1541) (-)

Ion 97.90 (97.60 to 98.60): VN059277.D (-1541) (-)



#28

Bromochloromethane

Concen: 17.283 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

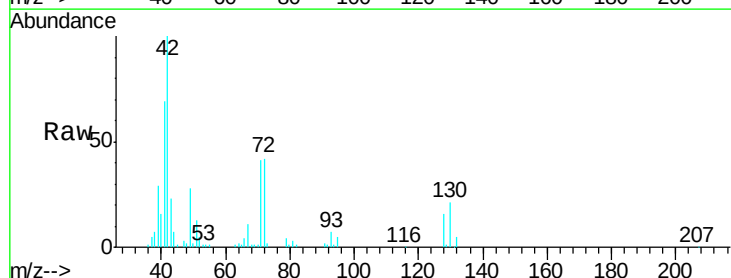
Tgt Ion: 49 Resp: 39443

Ion Ratio Lower Upper

49 100

129 1.5 0.0 3.8

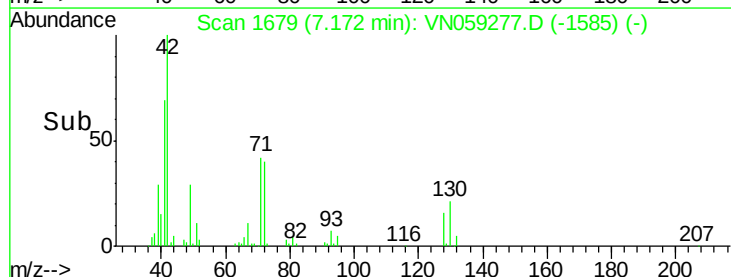
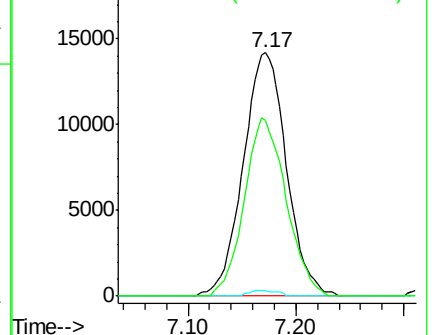
130 70.7 55.6 83.4

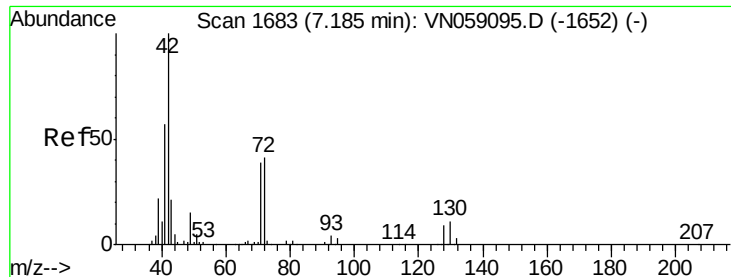


Abundance Ion 48.90 (48.60 to 49.60): VN059277.D (-1657) (-)

Ion 128.80 (128.50 to 129.50): VN059277.D (-1657) (-)

Ion 129.80 (129.50 to 130.50): VN059277.D (-1657) (-)





#29

Tetrahydrofuran

Concen: 105.408 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

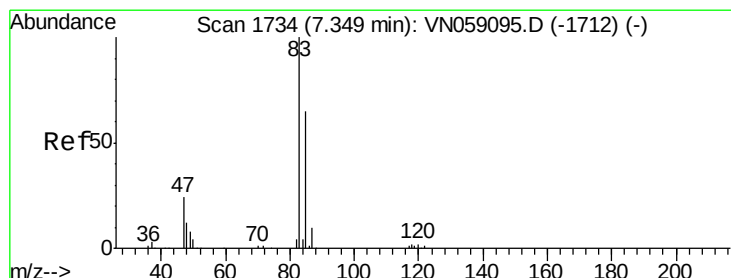
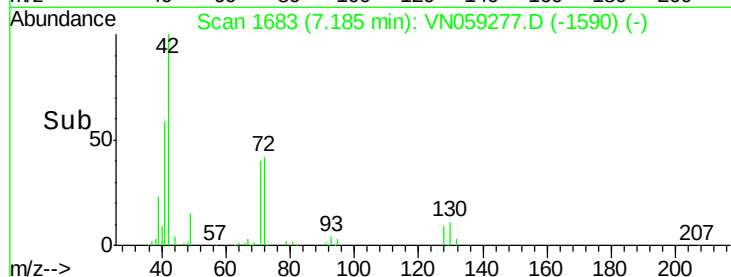
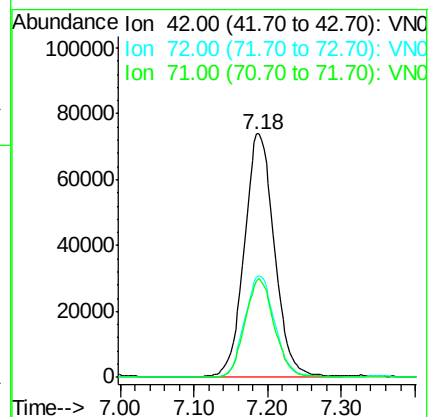
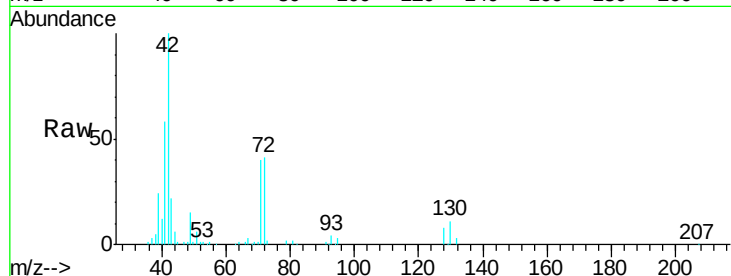
Tgt Ion: 42 Resp: 211731

Ion Ratio Lower Upper

42 100

72 41.7 33.1 49.7

71 39.2 30.9 46.3



#30

Chloroform

Concen: 20.674 ug/l

RT: 7.35 min Scan# 1734

Delta R.T. -0.00 min

Lab File: VN059277.D

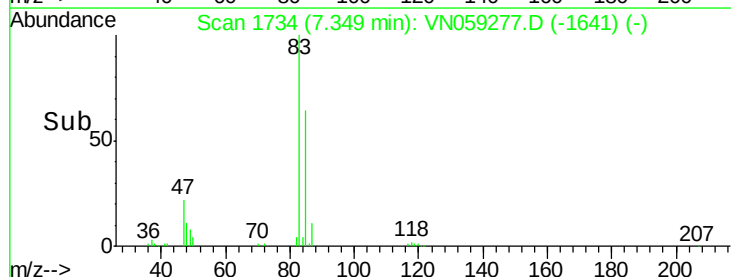
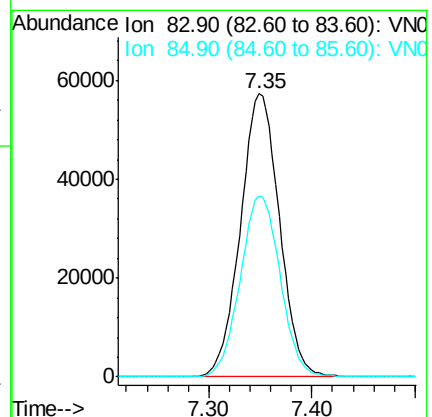
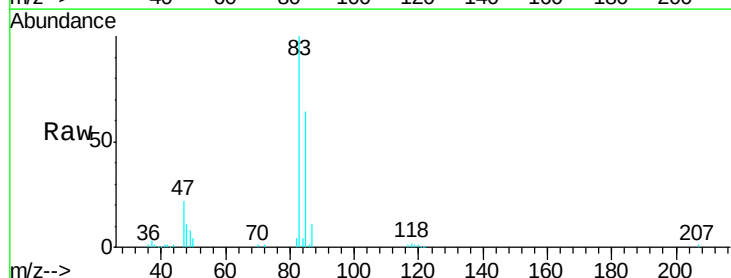
Acq: 18 Nov 2019 12:48

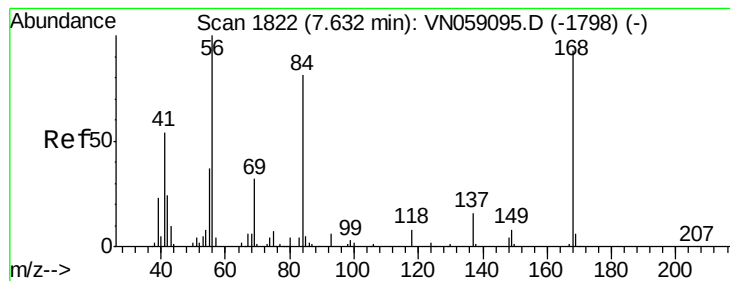
Tgt Ion: 83 Resp: 150433

Ion Ratio Lower Upper

83 100

85 64.0 51.8 77.8





#31

Cyclohexane

Concen: 18.153 ug/l

RT: 7.63 min Scan# 1822

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

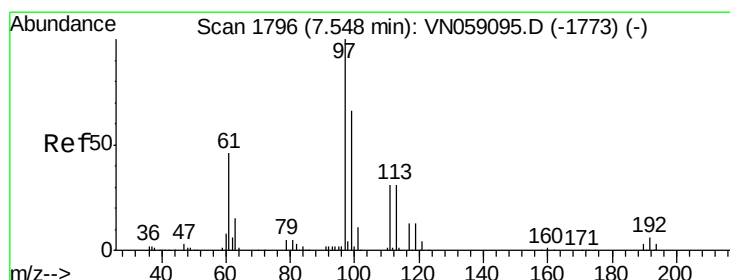
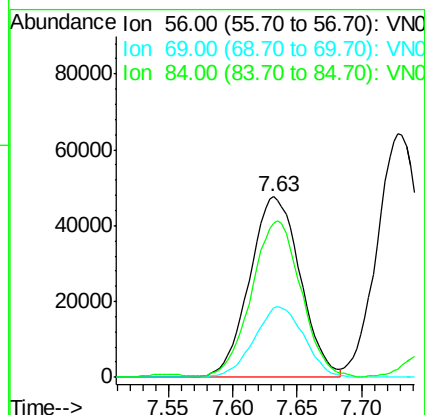
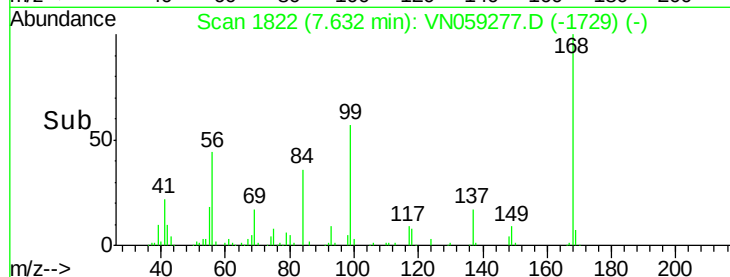
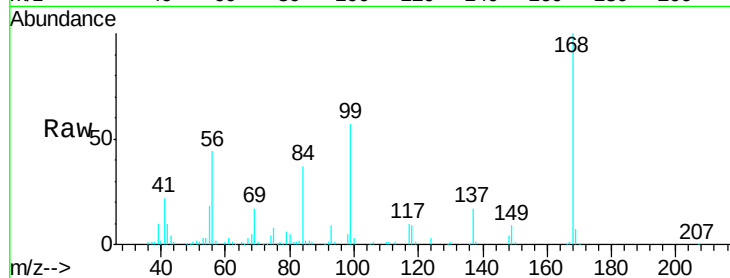
Tgt Ion: 56 Resp: 130358

Ion Ratio Lower Upper

56 100

69 38.3 25.8 38.8

84 84.6 65.0 97.4



#32

1,1,1-Trichloroethane

Concen: 20.319 ug/l

RT: 7.55 min Scan# 1796

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

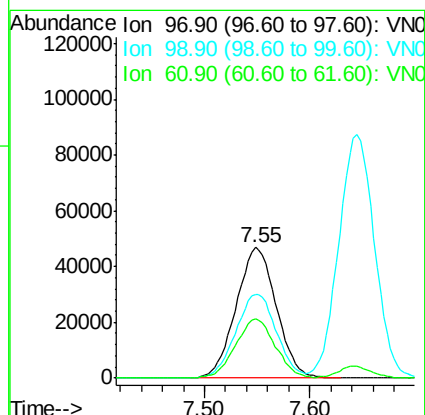
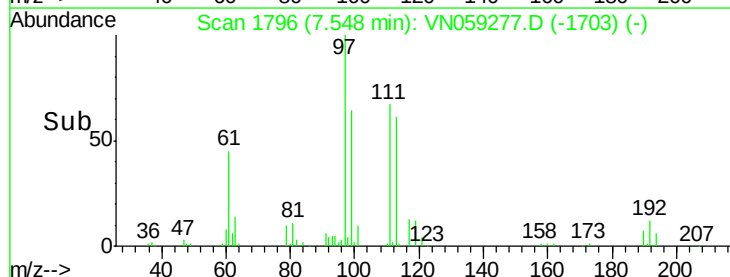
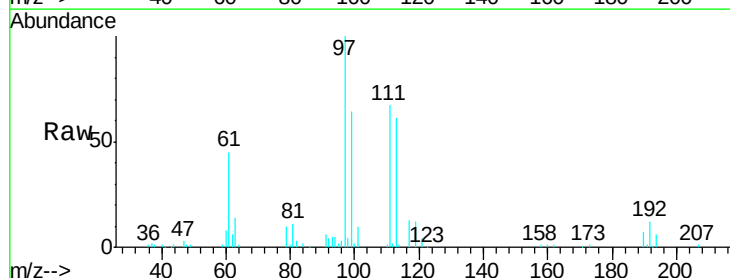
Tgt Ion: 97 Resp: 124307

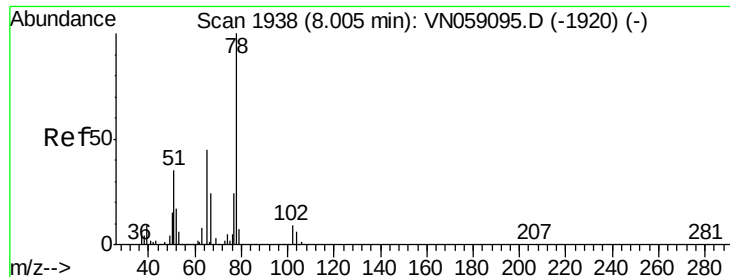
Ion Ratio Lower Upper

97 100

99 65.0 51.0 76.6

61 44.7 35.8 53.8

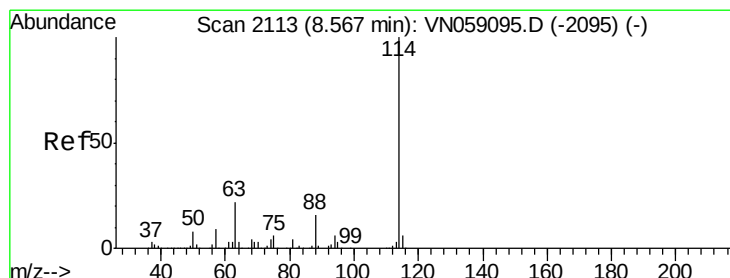
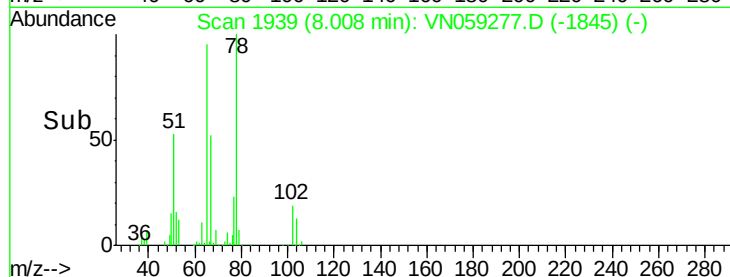
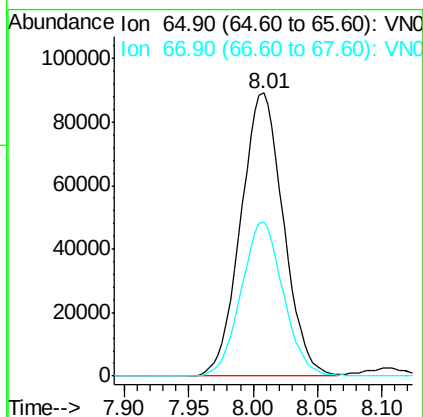
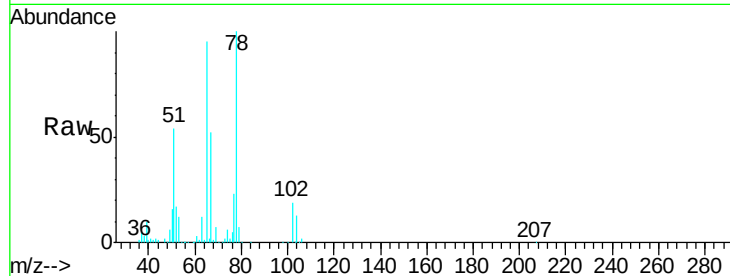




#33
 1,2-Dichloroethane-d4
 Concen: 44.552 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

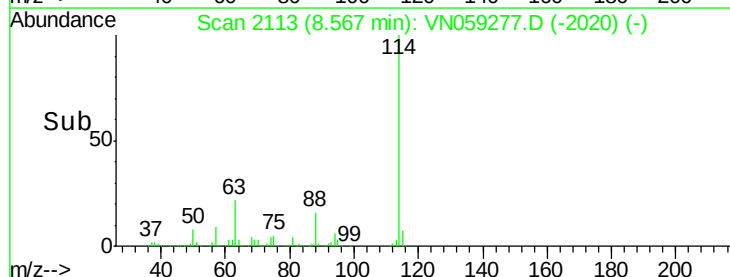
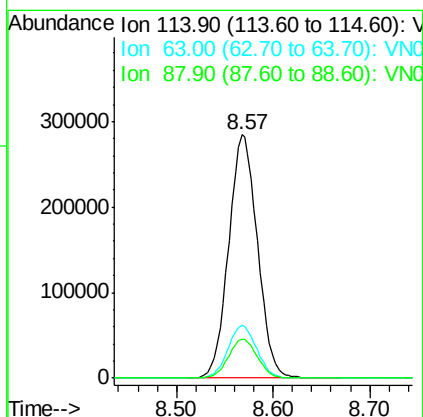
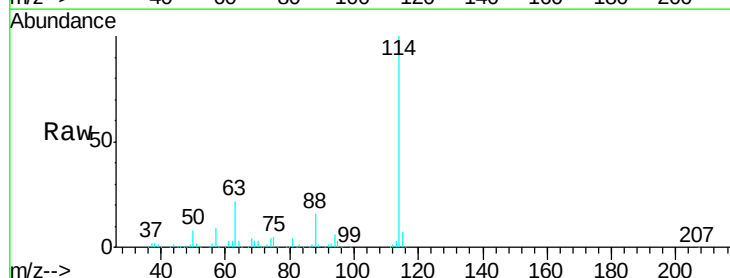
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

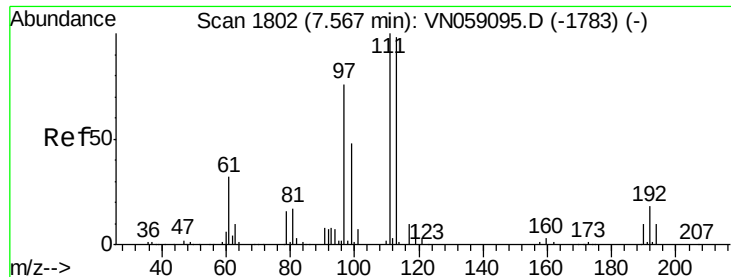
Tgt Ion: 65 Resp: 205504
 Ion Ratio Lower Upper
 65 100
 67 53.9 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 114 Resp: 587338
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 43.4
 88 16.0 0.0 32.2

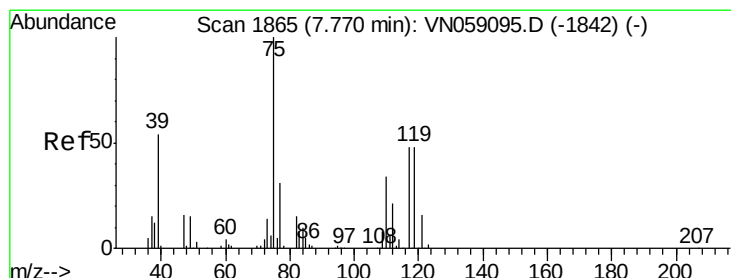
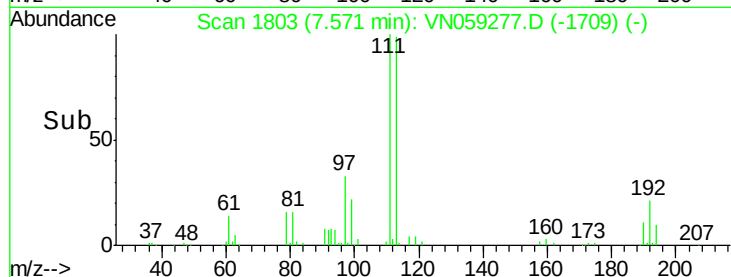
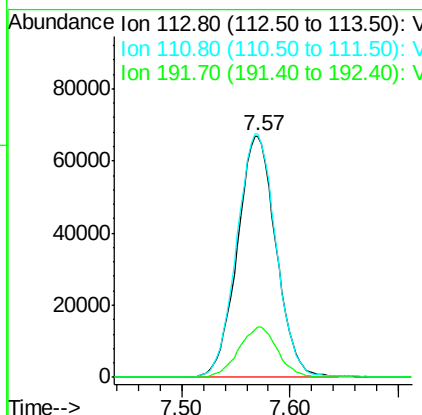
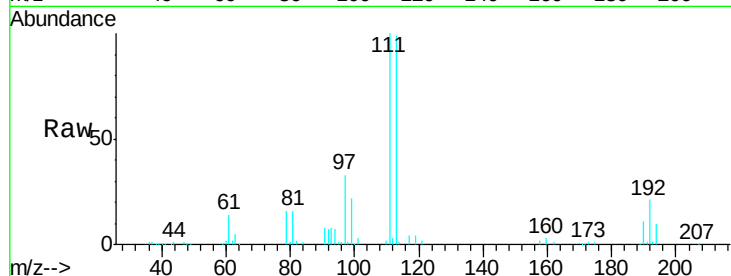




#35
Dibromofluoromethane
Concen: 47.670 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

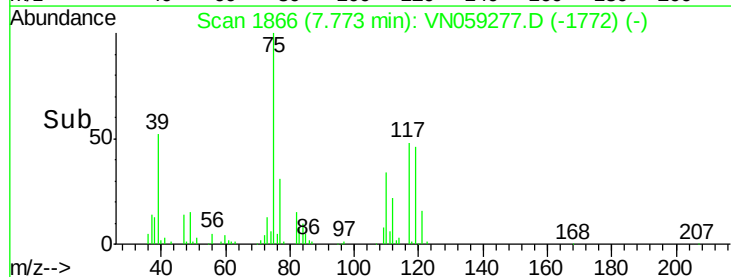
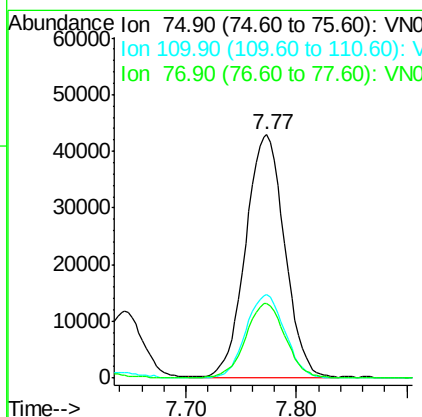
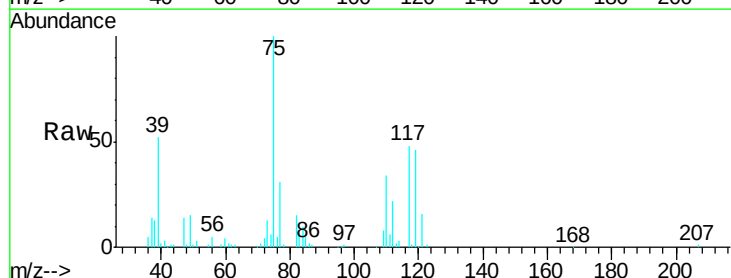
Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

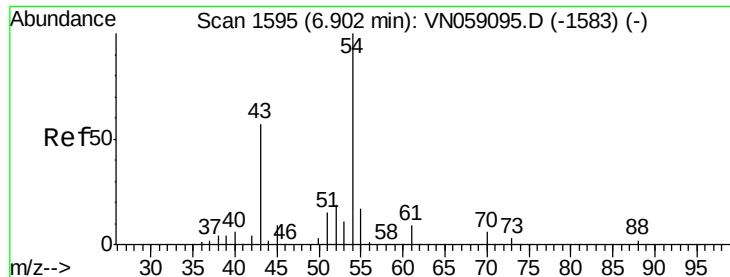
Tgt Ion: 113 Resp: 167179
Ion Ratio Lower Upper
113 100
111 101.9 82.8 124.2
192 20.8 16.1 24.1



#36
1,1-Dichloropropene
Concen: 19.127 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion: 75 Resp: 105008
Ion Ratio Lower Upper
75 100
110 34.3 17.1 51.2
77 31.3 24.8 37.2

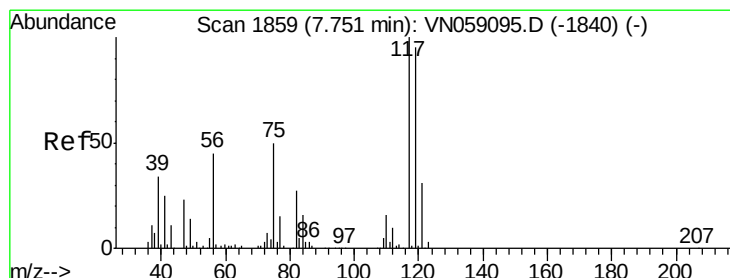
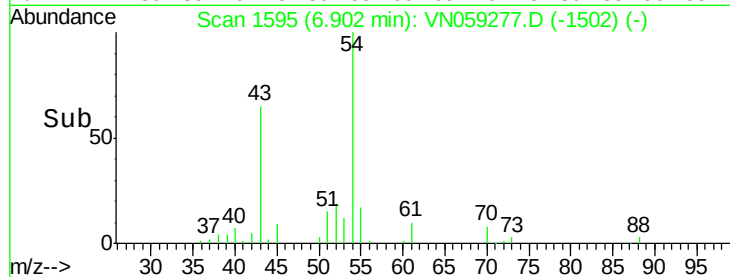
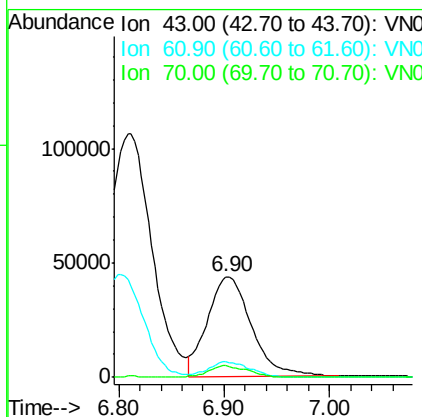
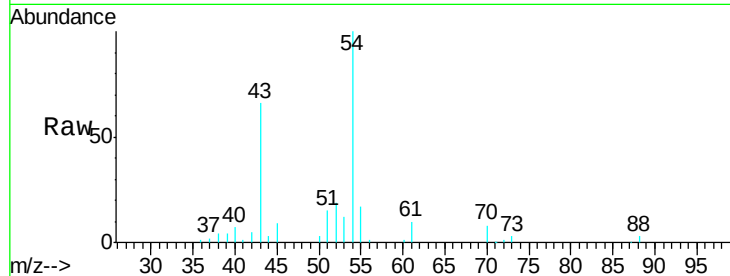




#37
Ethyl Acetate
 Concen: 20.533 ug/l
 RT: 6.90 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

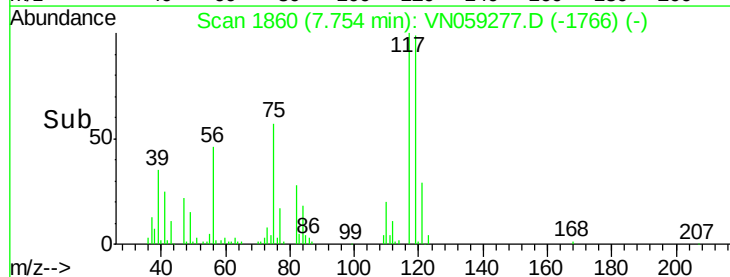
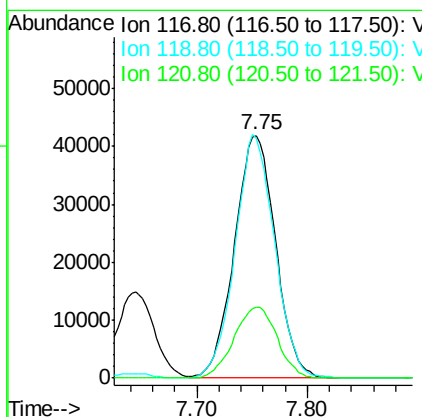
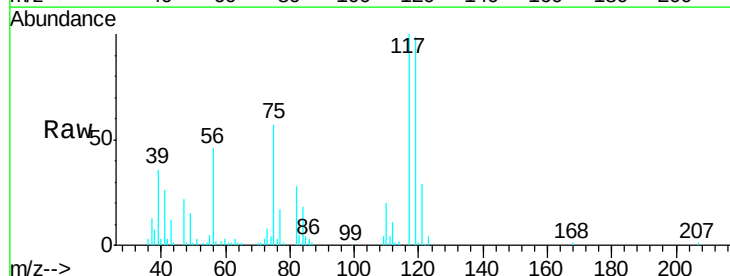
Instrument :
 MSVOA_N
 ClientSampled :
 VN1118MBS01

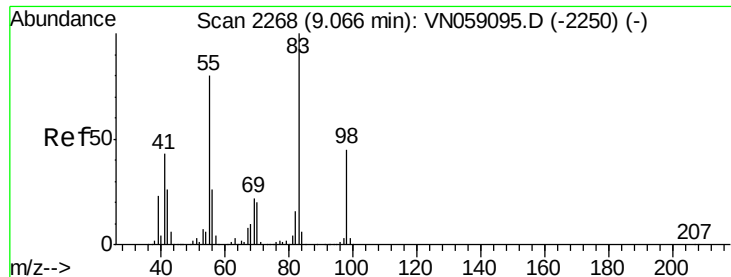
Tgt Ion: 43 Resp: 125405
 Ion Ratio Lower Upper
 43 100
 61 14.0 11.2 16.8
 70 10.6 7.8 11.8



#38
Carbon Tetrachloride
 Concen: 19.807 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 117 Resp: 108228
 Ion Ratio Lower Upper
 117 100
 119 98.9 75.6 113.4
 121 29.4 24.6 36.8

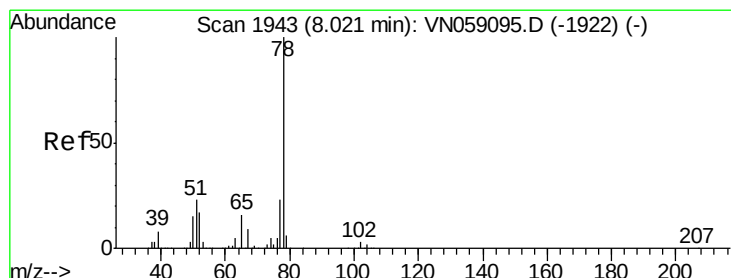
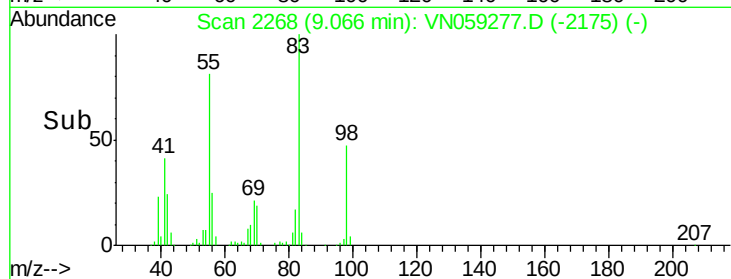
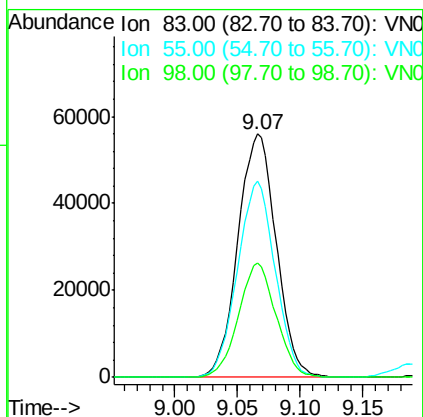
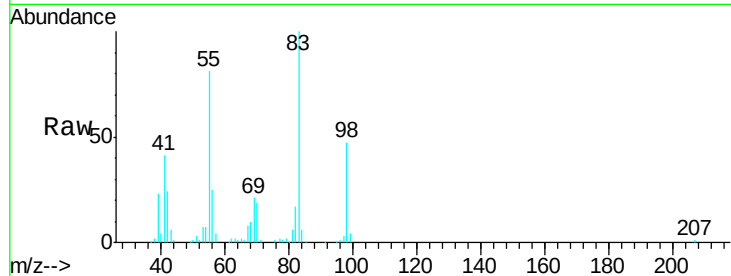




#39
Methylcyclohexane
Concen: 18.668 ug/l
RT: 9.07 min Scan# 2268
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

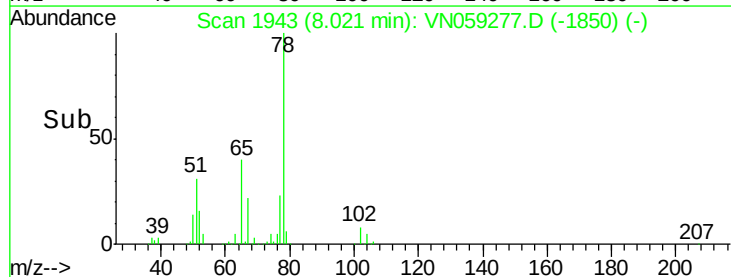
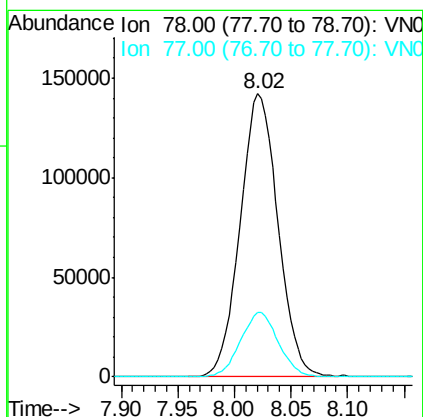
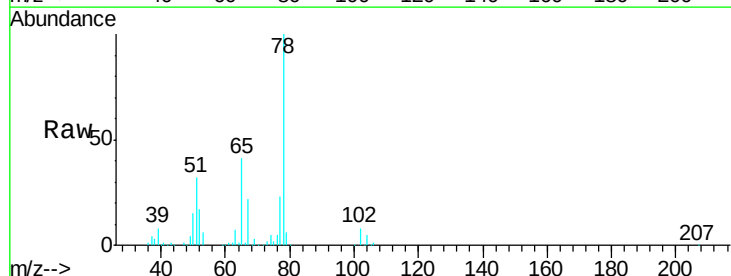
Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

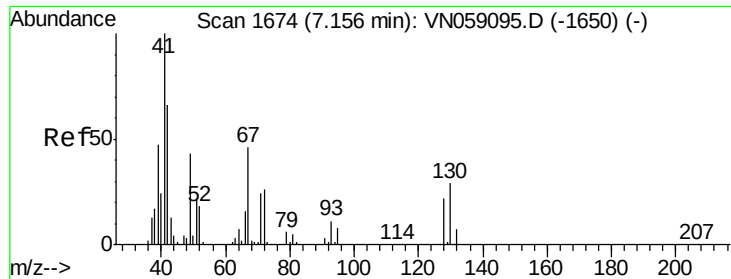
Tgt Ion: 83 Resp: 118943
Ion Ratio Lower Upper
83 100
55 80.6 63.9 95.9
98 46.9 35.6 53.4



#40
Benzene
Concen: 20.039 ug/l
RT: 8.02 min Scan# 1943
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion: 78 Resp: 331283
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2





#41

Methacrylonitrile

Concen: 21.212 ug/l

RT: 7.15 min Scan# 1672

Delta R.T. -0.01 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

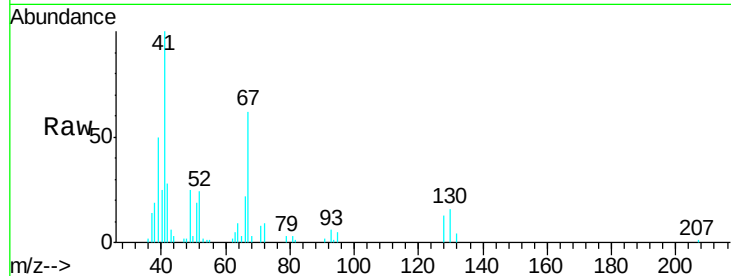
MSVOA_N

ClientSampleId :

VN1118MBS01

Tgt Ion: 41 Resp: 56333

Ion	Ratio	Lower	Upper
41	100		
39	60.1	0.0	0.0#
67	86.9	0.0	0.0#
52	32.7	0.0	0.0#

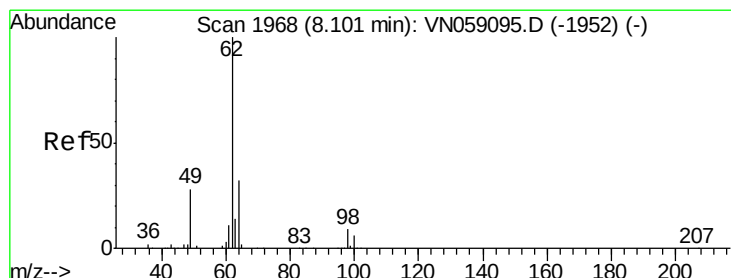
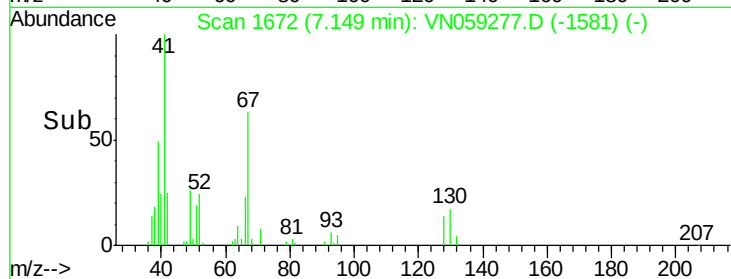
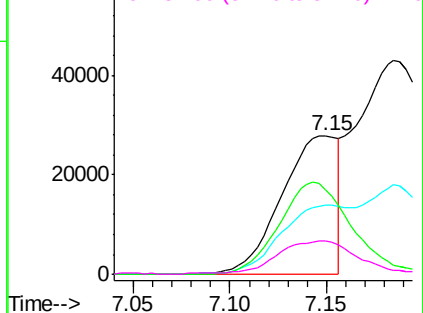


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 20.064 ug/l

RT: 8.10 min Scan# 1969

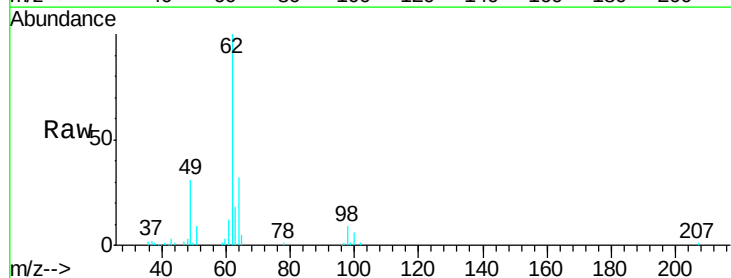
Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

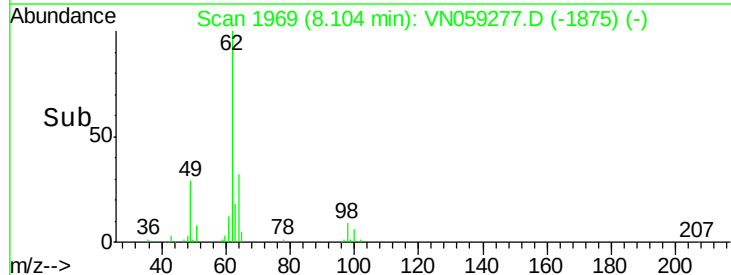
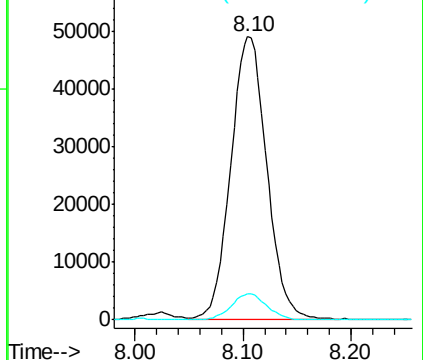
Tgt Ion: 62 Resp: 113763

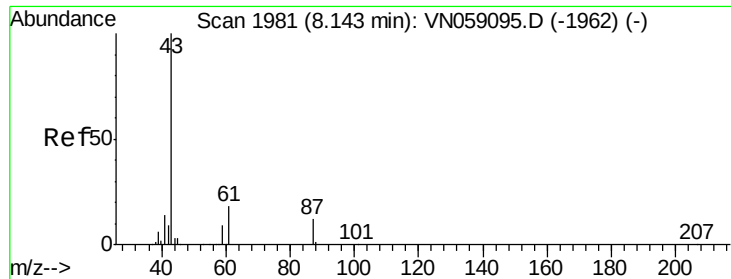
Ion	Ratio	Lower	Upper
62	100		
98	9.1	0.0	17.8



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 19.963 ug/l

RT: 8.15 min Scan# 1982

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

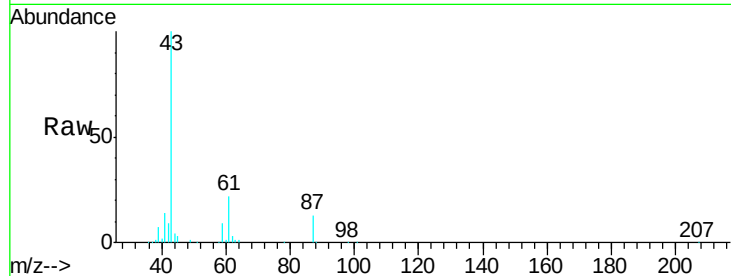
Tgt Ion: 43 Resp: 194376

Ion Ratio Lower Upper

43 100

61 26.9 21.0 31.6

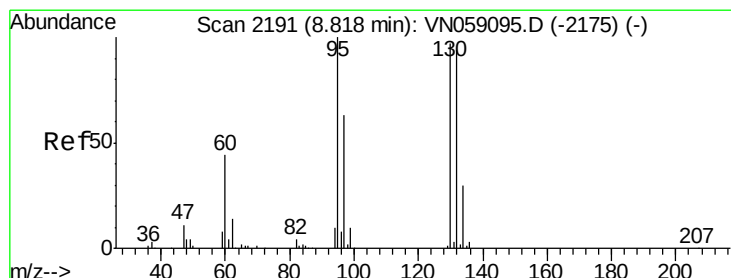
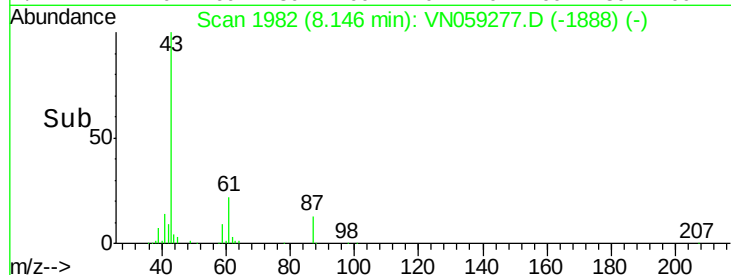
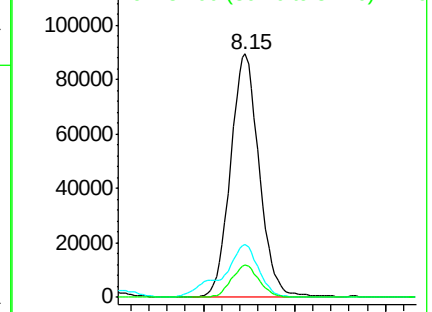
87 13.0 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN059095.D (-1962) (-)

Ion 61.00 (60.70 to 61.70): VN059095.D (-1962) (-)

Ion 87.00 (86.70 to 87.70): VN059095.D (-1962) (-)



#44

Trichloroethene

Concen: 20.197 ug/l

RT: 8.82 min Scan# 2191

Delta R.T. -0.00 min

Lab File: VN059277.D

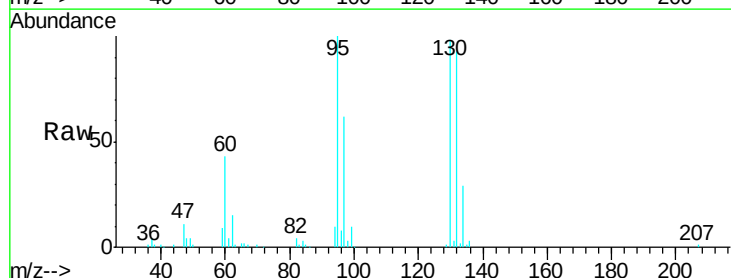
Acq: 18 Nov 2019 12:48

Tgt Ion: 130 Resp: 82077

Ion Ratio Lower Upper

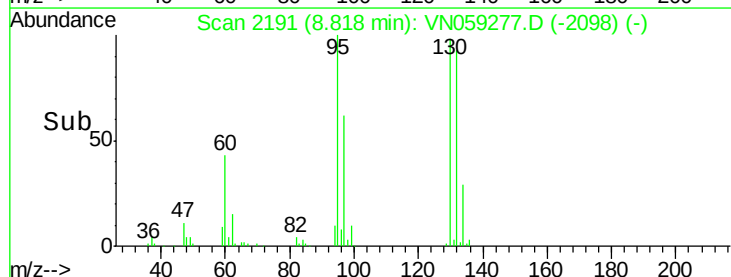
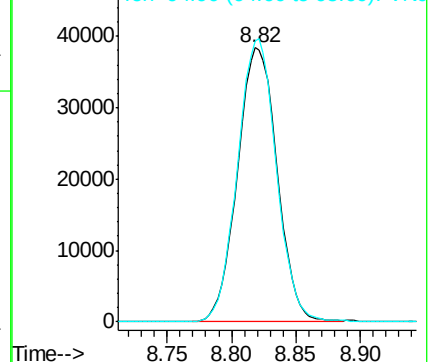
130 100

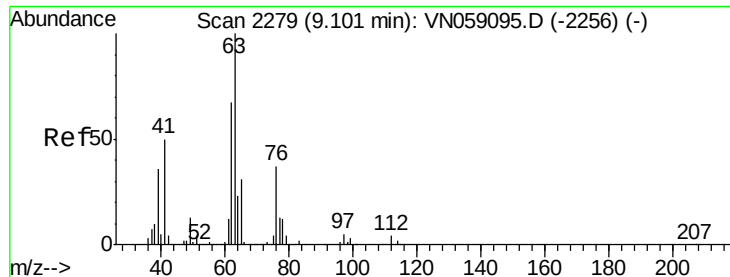
95 102.5 0.0 206.4



Abundance Ion 129.80 (129.50 to 130.50): VN059095.D (-2175) (-)

Ion 94.90 (94.60 to 95.60): VN059095.D (-2175) (-)

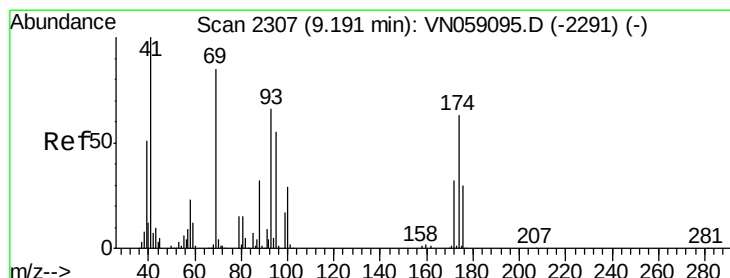
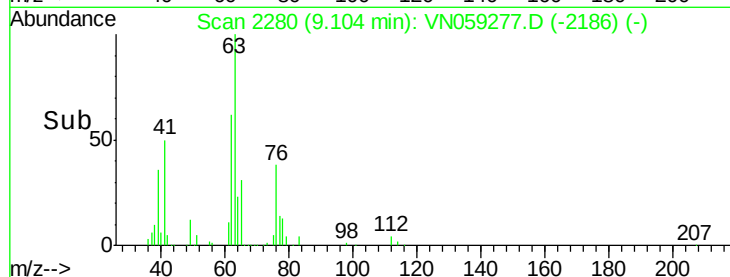
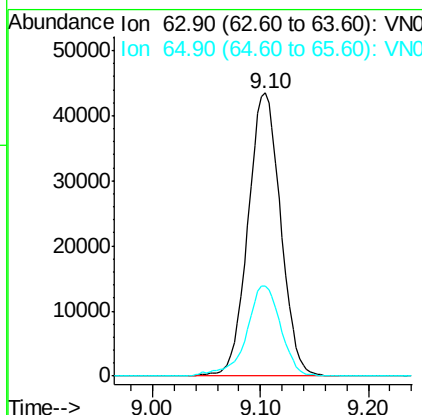
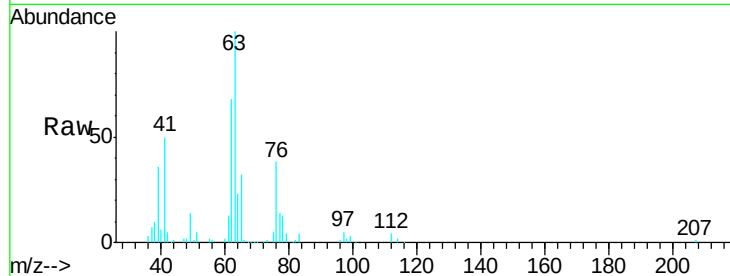




#45
 1,2-Dichloropropane
 Concen: 20.326 ug/l
 RT: 9.10 min Scan# 2280
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

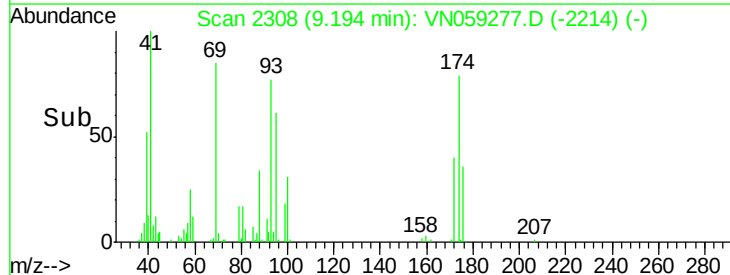
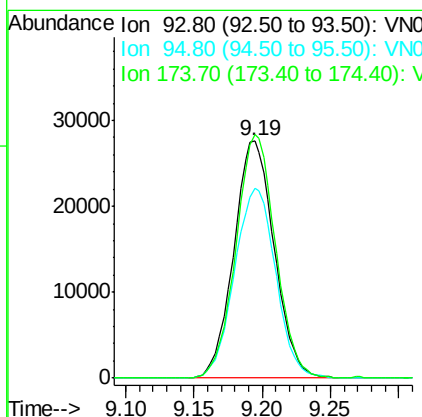
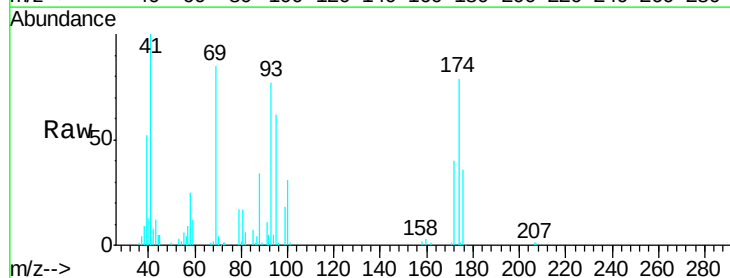
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

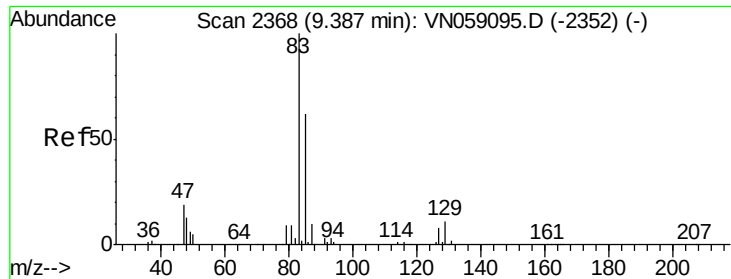
Tgt Ion: 63 Resp: 91272
 Ion Ratio Lower Upper
 63 100
 65 31.9 24.6 37.0



#46
 Dibromomethane
 Concen: 20.338 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 93 Resp: 56909
 Ion Ratio Lower Upper
 93 100
 95 81.4 66.6 100.0
 174 100.2 78.2 117.2

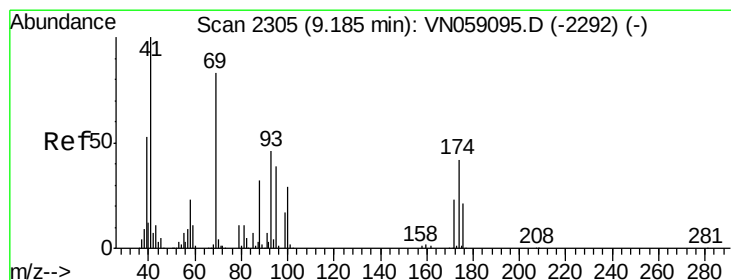
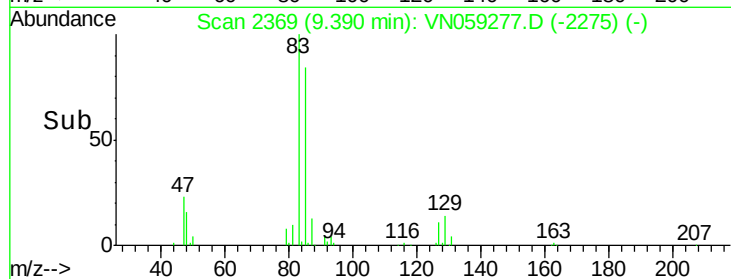
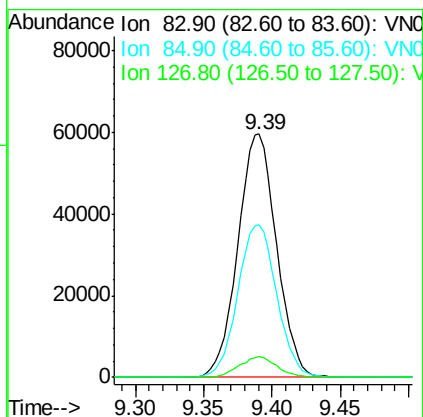
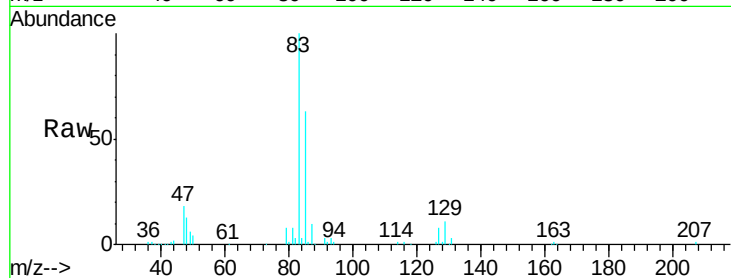




#47
 Bromodichloromethane
 Concen: 20.976 ug/l
 RT: 9.39 min Scan# 2369
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

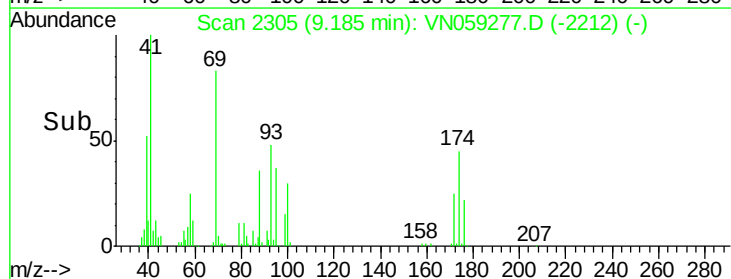
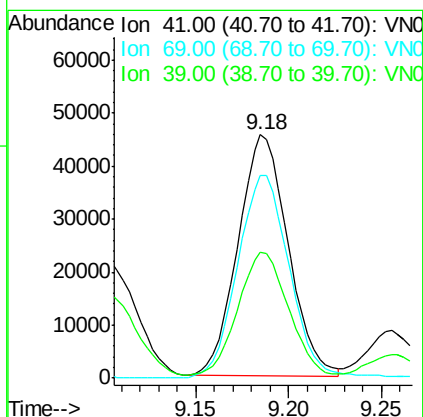
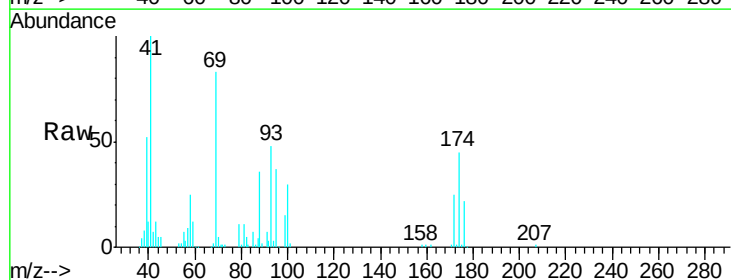
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

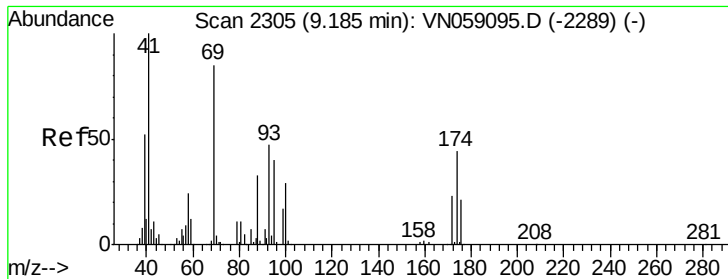
Tgt Ion: 83 Resp: 117205
 Ion Ratio Lower Upper
 83 100
 85 62.8 49.7 74.5
 127 8.5 6.4 9.6



#48
 Methyl methacrylate
 Concen: 19.566 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 41 Resp: 85213
 Ion Ratio Lower Upper
 41 100
 69 87.9 67.3 100.9
 39 53.0 43.3 64.9

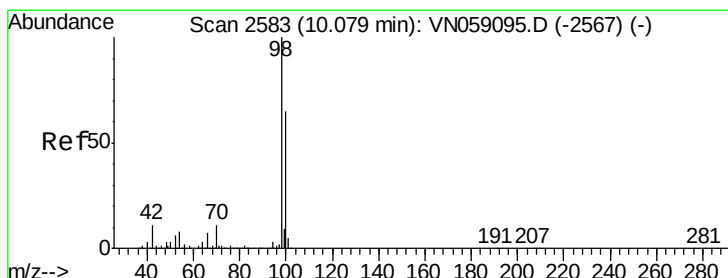
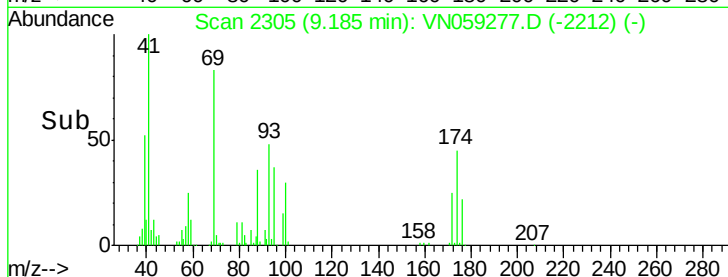
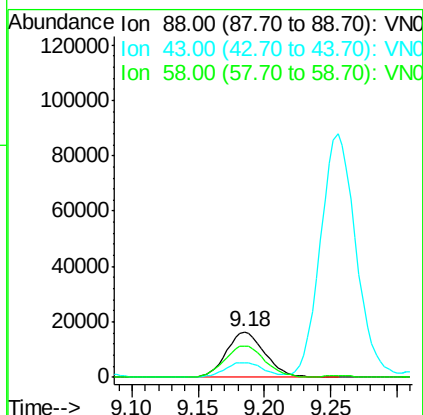
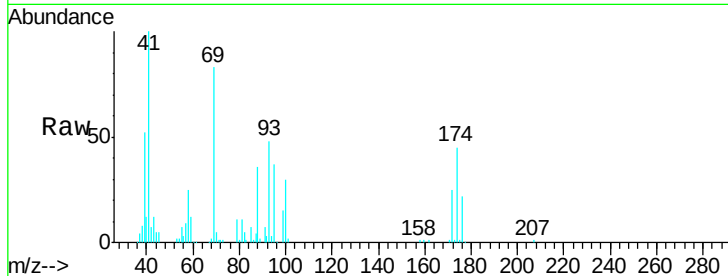




#49
 1,4-Dioxane
 Concen: 428.694 ug/l
 RT: 9.18 min Scan# 2305
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

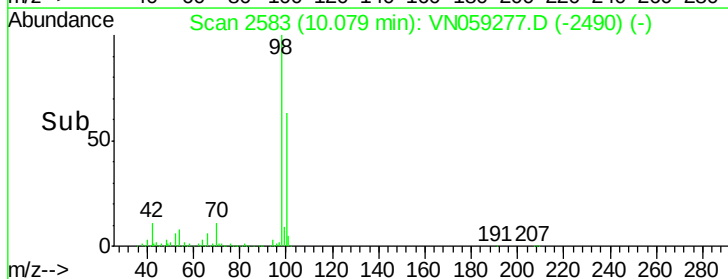
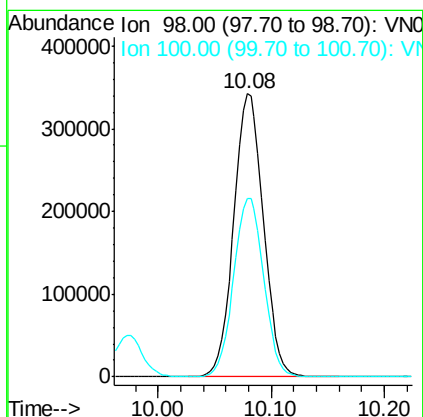
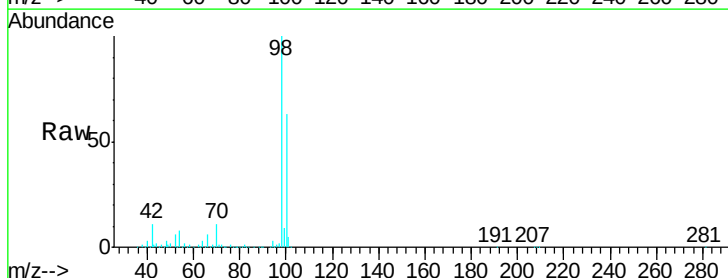
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

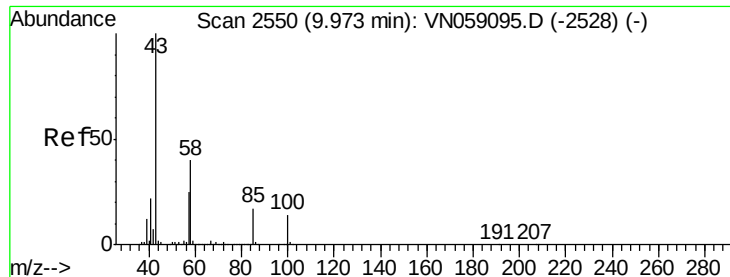
Tgt Ion: 88 Resp: 33180
 Ion Ratio Lower Upper
 88 100
 43 33.5 26.3 39.5
 58 72.2 60.6 90.8



#50
 Toluene-d8
 Concen: 45.334 ug/l
 RT: 10.08 min Scan# 2583
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion: 98 Resp: 626228
 Ion Ratio Lower Upper
 98 100
 100 63.8 52.2 78.2





#51

4-Methyl-2-Pentanone

Concen: 113.630 ug/l

RT: 9.97 min Scan# 2550

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

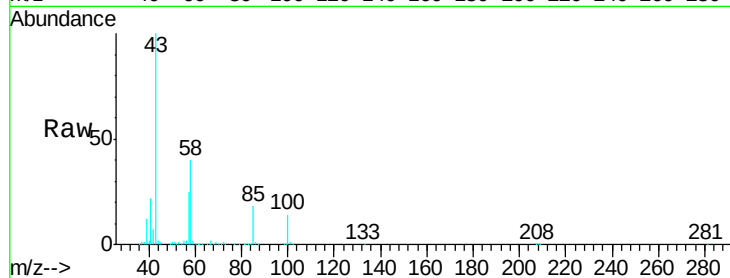
VN1118MBS01

Tgt Ion: 43 Resp: 626017

Ion Ratio Lower Upper

43 100

58 39.1 31.5 47.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

9.97

400000

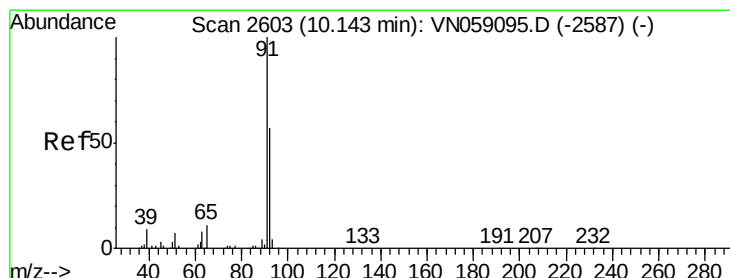
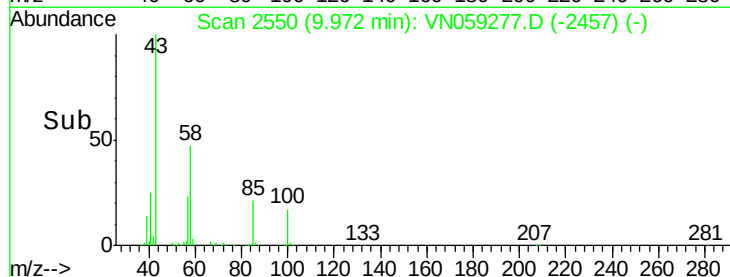
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 20.348 ug/l

RT: 10.15 min Scan# 2604

Delta R.T. 0.00 min

Lab File: VN059277.D

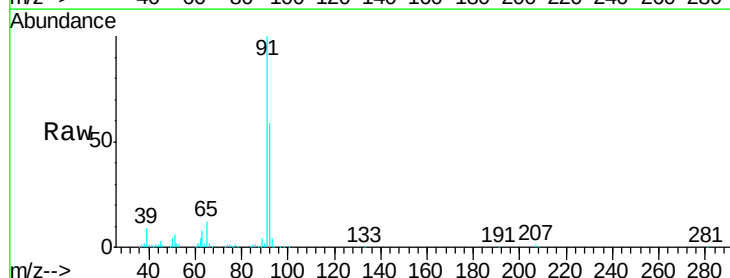
Acq: 18 Nov 2019 12:48

Tgt Ion: 92 Resp: 201627

Ion Ratio Lower Upper

92 100

91 171.5 139.5 209.3



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

10.15

200000

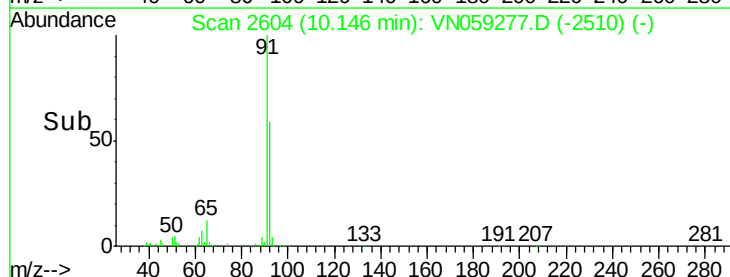
150000

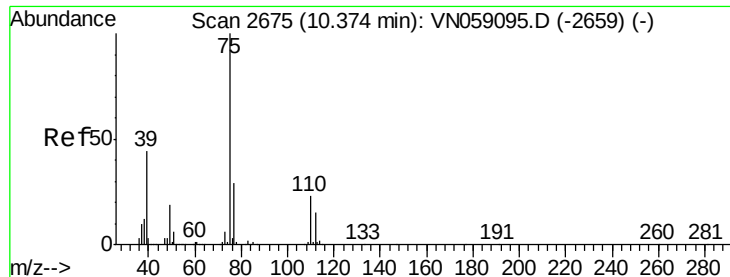
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 20.206 ug/l

RT: 10.37 min Scan# 2675

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

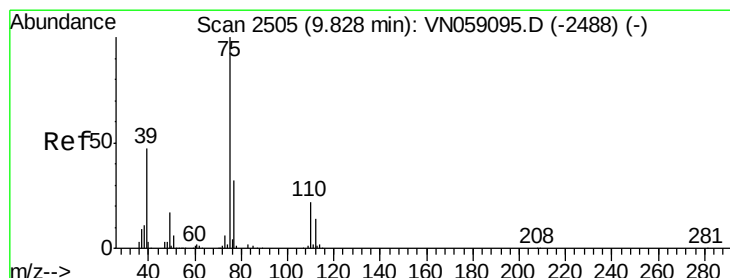
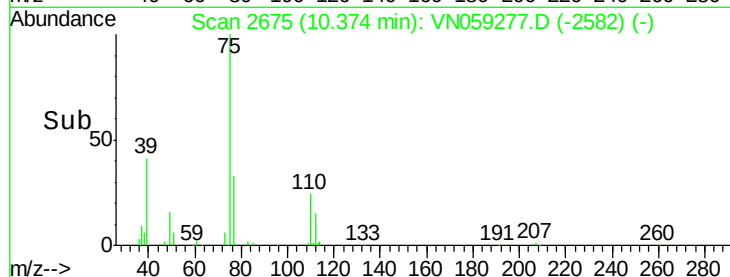
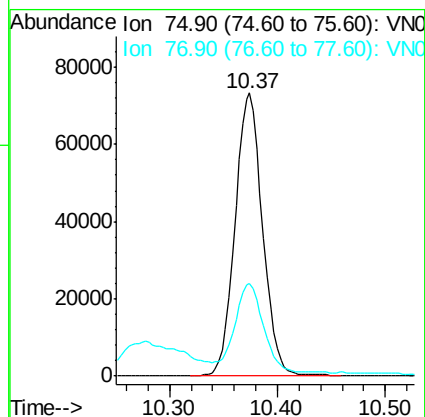
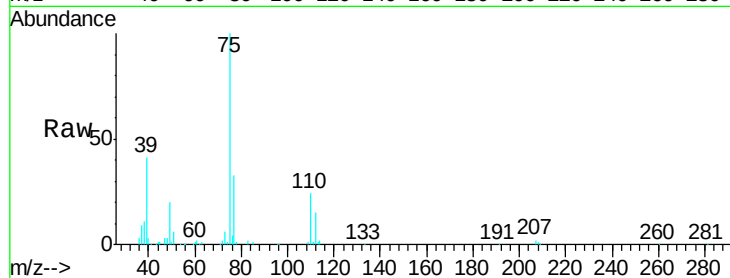
VN1118MBS01

Tgt Ion: 75 Resp: 130440

Ion Ratio Lower Upper

75 100

77 31.6 25.3 37.9



#54

cis-1,3-Dichloropropene

Concen: 20.133 ug/l

RT: 9.83 min Scan# 2505

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

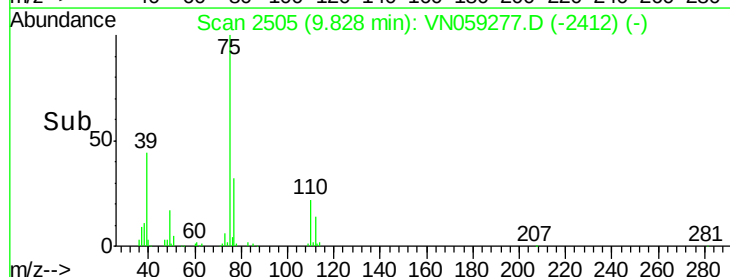
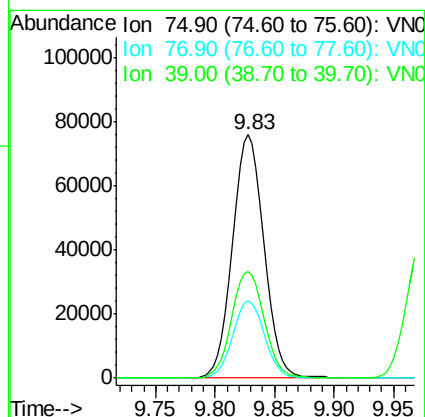
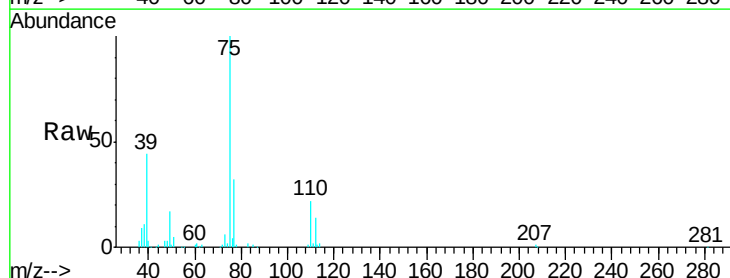
Tgt Ion: 75 Resp: 139802

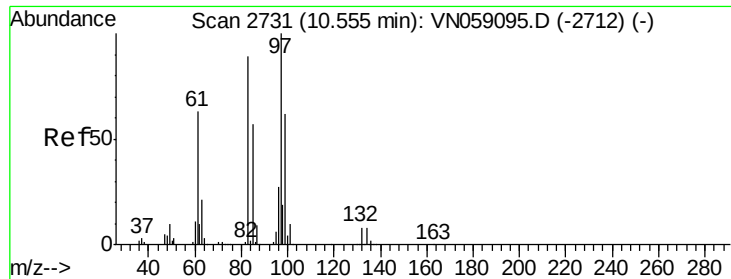
Ion Ratio Lower Upper

75 100

77 31.6 25.5 38.3

39 43.8 37.3 55.9





#55

1,1,2-Trichloroethane

Concen: 20.878 ug/l

RT: 10.55 min Scan# 2731

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

Tgt Ion: 97 Resp: 83725

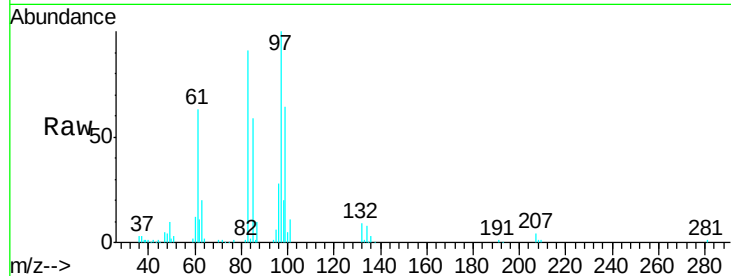
Ion Ratio Lower Upper

97 100

83 91.0 71.0 106.4

85 59.2 45.8 68.8

99 63.8 49.4 74.0

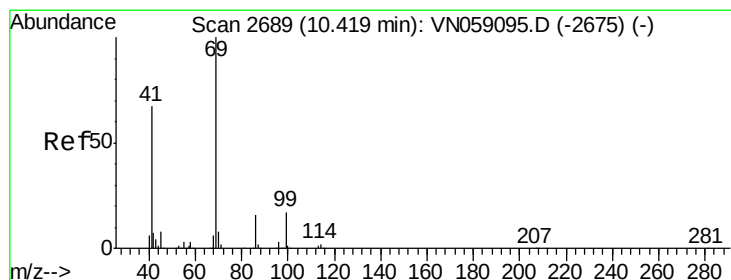
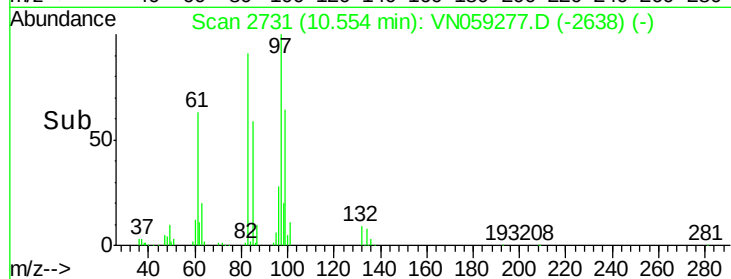
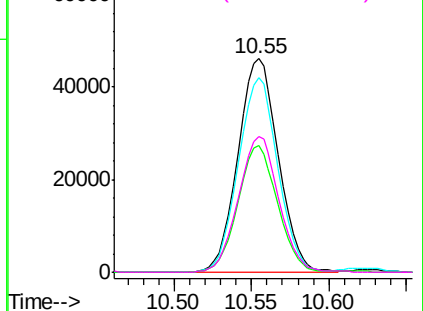


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.461 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

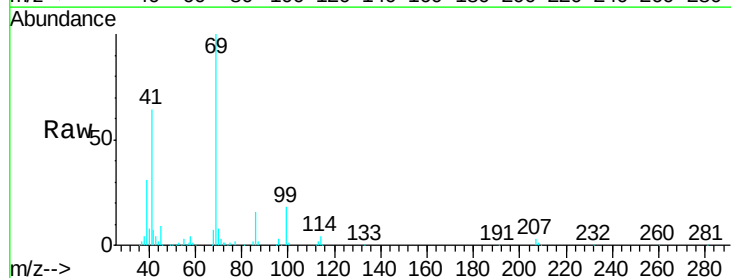
Tgt Ion: 69 Resp: 122217

Ion Ratio Lower Upper

69 100

41 65.0 53.6 80.4

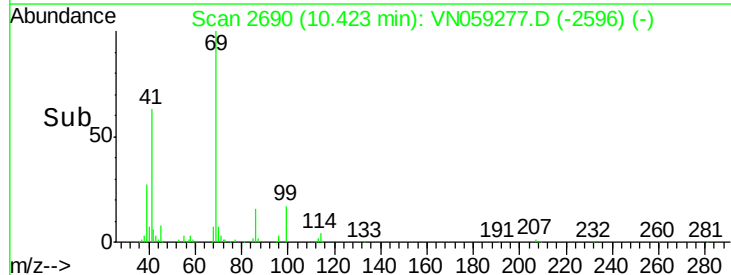
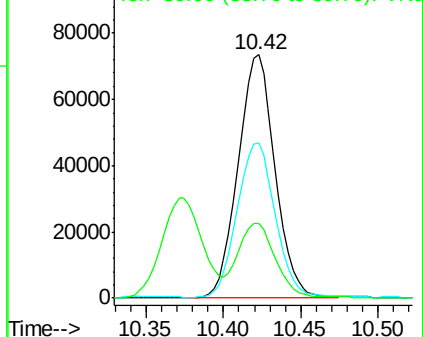
39 31.0 26.2 39.4

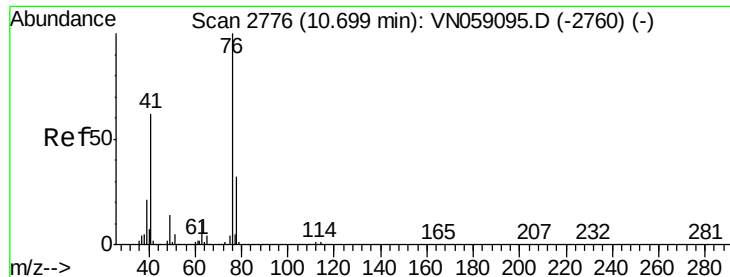


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 20.447 ug/l

RT: 10.70 min Scan# 2776

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

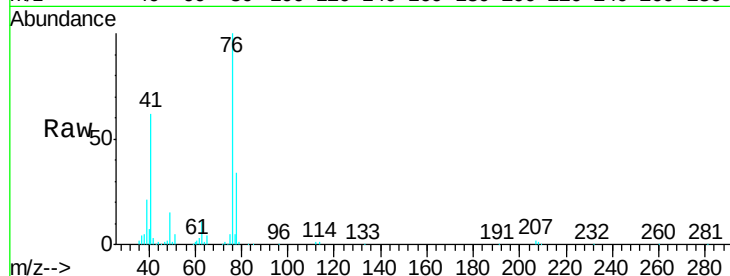
VN1118MBS01

Tgt Ion: 76 Resp: 141121

Ion Ratio Lower Upper

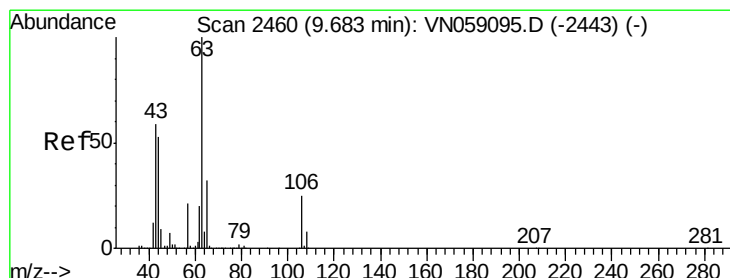
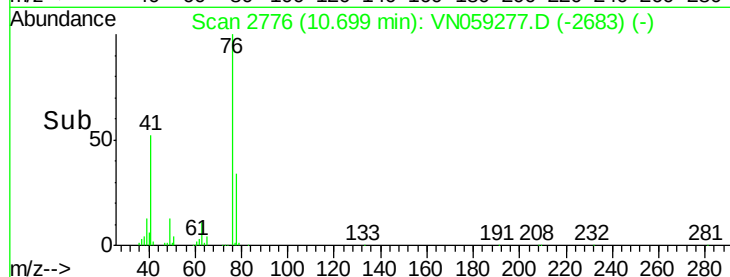
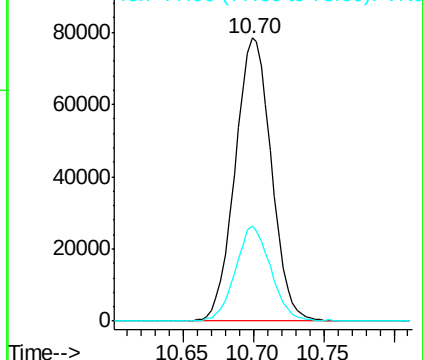
76 100

78 32.8 25.8 38.8



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 98.883 ug/l

RT: 9.68 min Scan# 2460

Delta R.T. -0.00 min

Lab File: VN059277.D

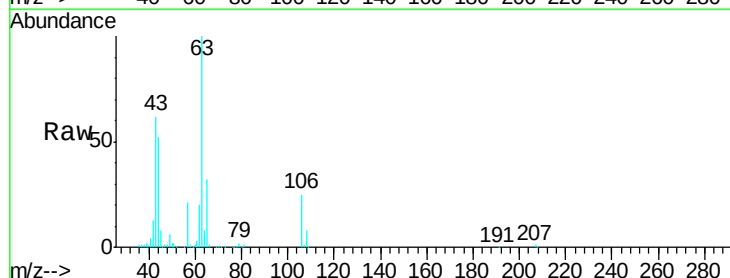
Acq: 18 Nov 2019 12:48

Tgt Ion: 63 Resp: 220684

Ion Ratio Lower Upper

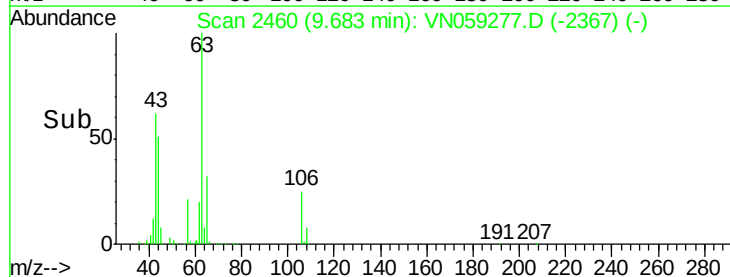
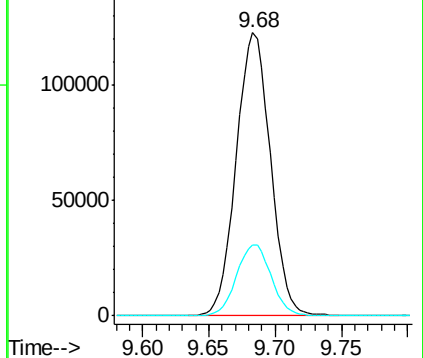
63 100

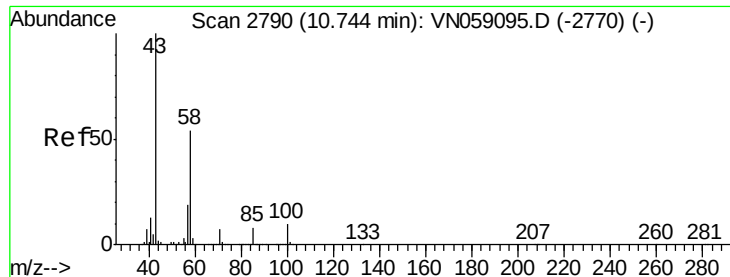
106 25.5 20.2 30.2



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

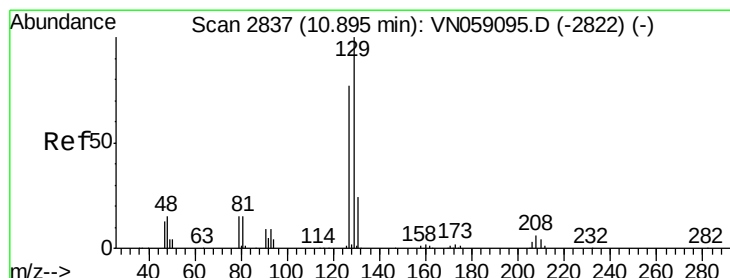
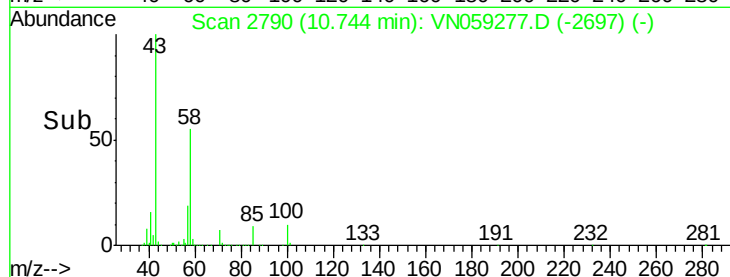
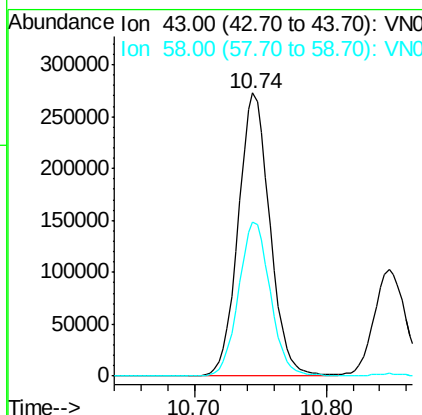
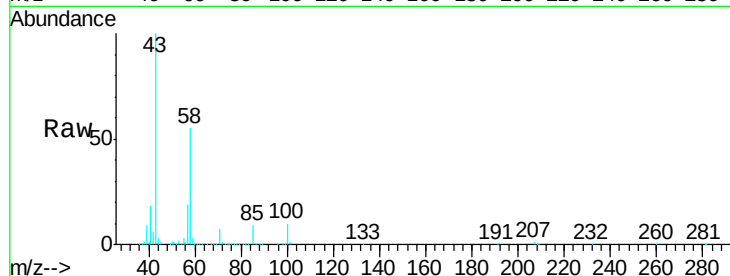




#59
2-Hexanone
Concen: 106.352 ug/l
RT: 10.74 min Scan# 2790
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

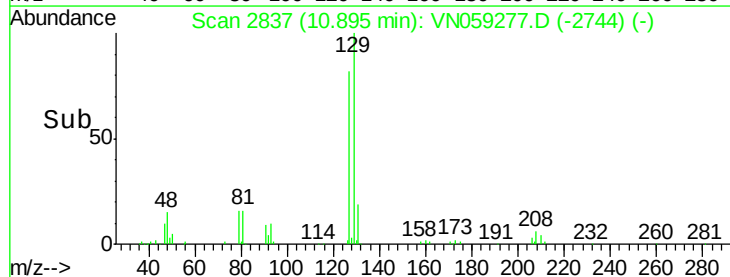
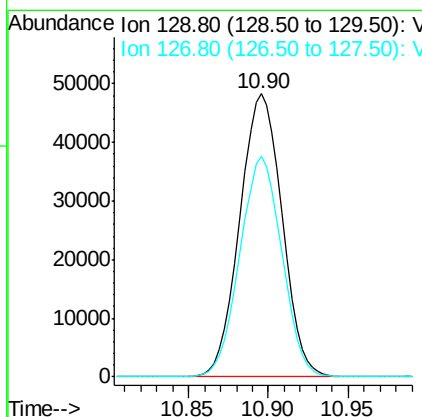
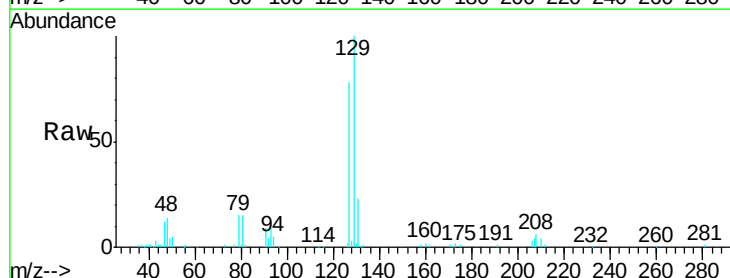
Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

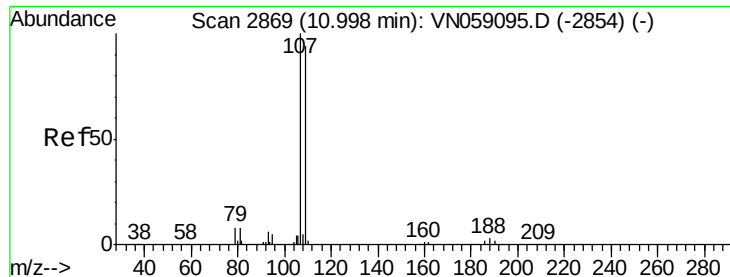
Tgt Ion: 43 Resp: 449719
Ion Ratio Lower Upper
43 100
58 55.1 27.3 81.8



#60
Dibromochloromethane
Concen: 20.634 ug/l
RT: 10.90 min Scan# 2837
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion: 129 Resp: 87488
Ion Ratio Lower Upper
129 100
127 77.2 38.6 115.8





#61

1,2-Dibromoethane

Concen: 20.411 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

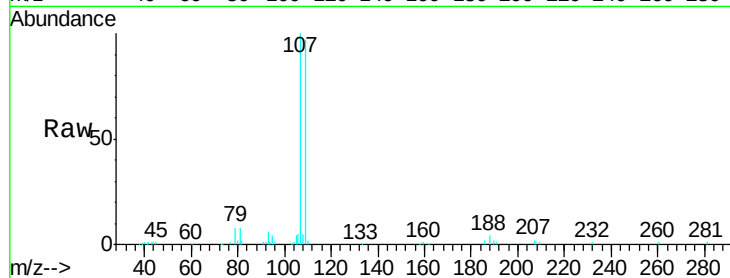
VN1118MBS01

Tgt Ion: 107 Resp: 82858

Ion Ratio Lower Upper

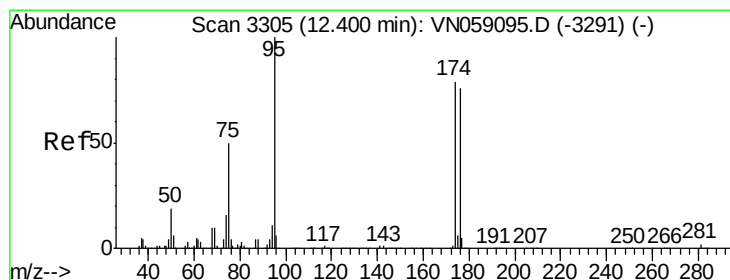
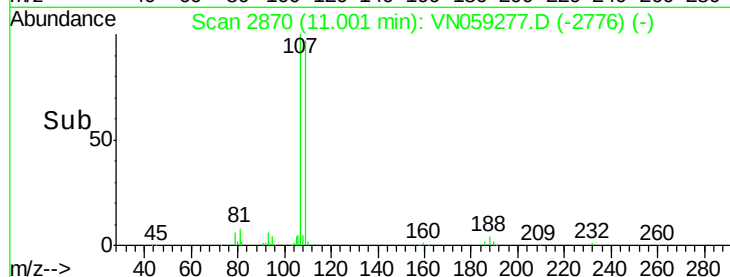
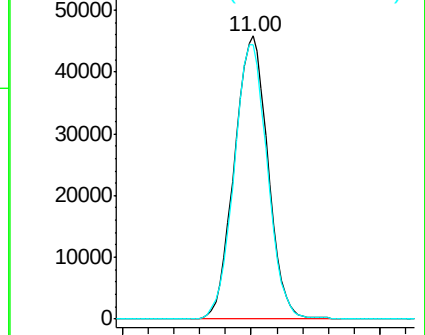
107 100

109 96.3 75.5 113.3



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 44.602 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

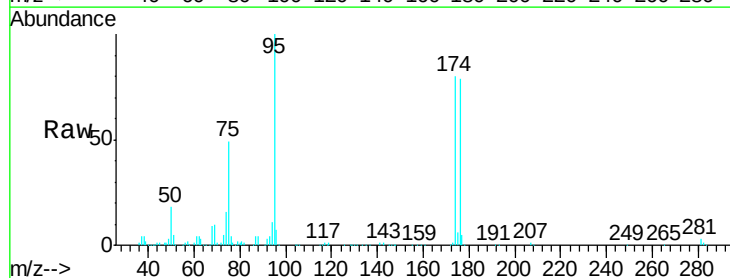
Tgt Ion: 95 Resp: 222147

Ion Ratio Lower Upper

95 100

174 80.4 0.0 158.2

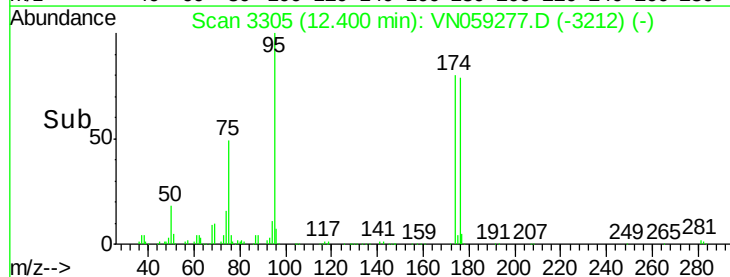
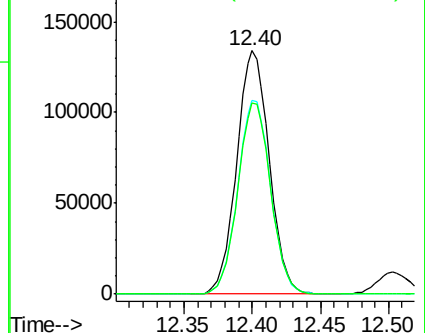
176 79.3 0.0 151.8

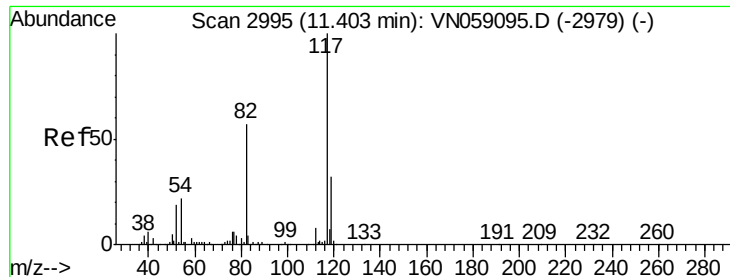


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

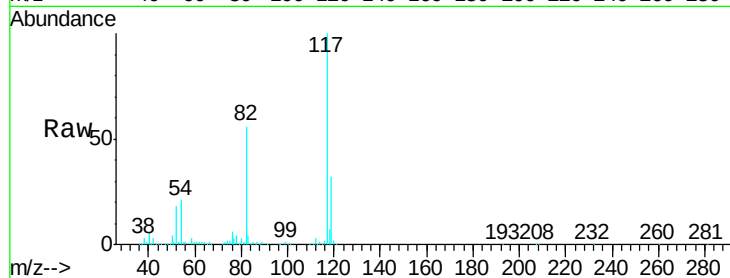
Tgt Ion:117 Resp: 526574

Ion Ratio Lower Upper

117 100

82 56.3 45.8 68.8

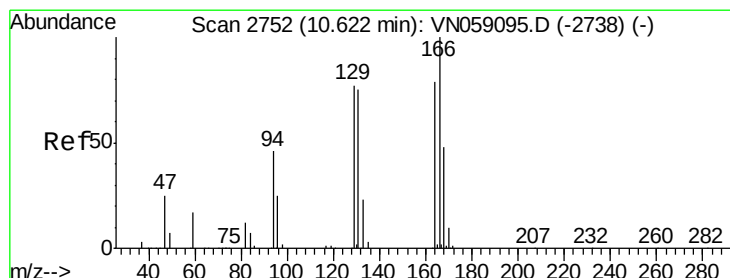
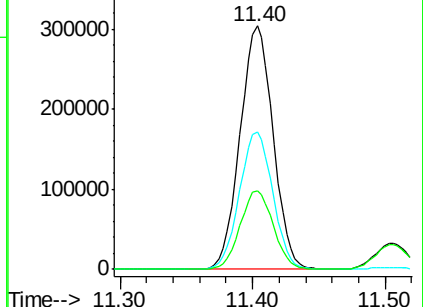
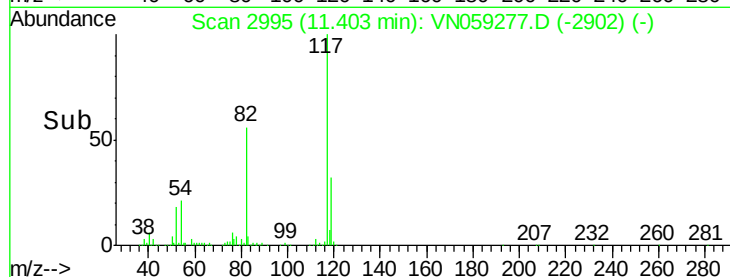
119 32.4 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): V

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.232 ug/l

RT: 10.63 min Scan# 2753

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion:164 Resp: 72442

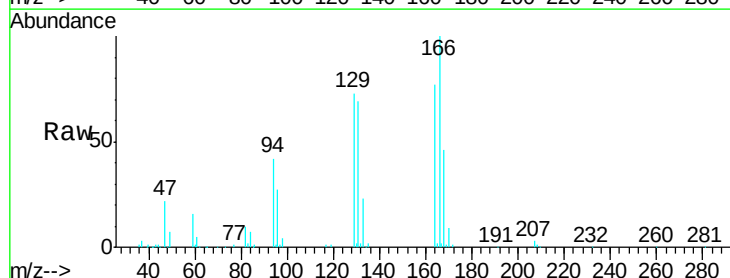
Ion Ratio Lower Upper

164 100

166 129.6 101.5 152.3

129 94.4 78.3 117.5

131 89.5 75.9 113.9

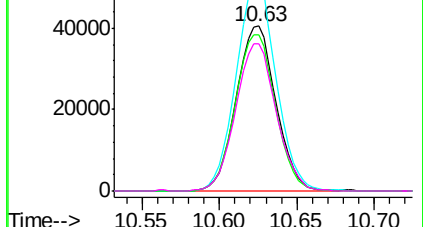
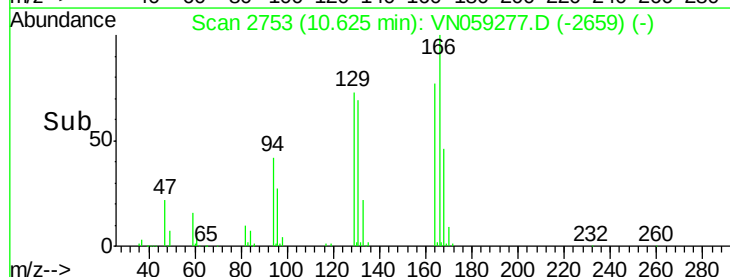


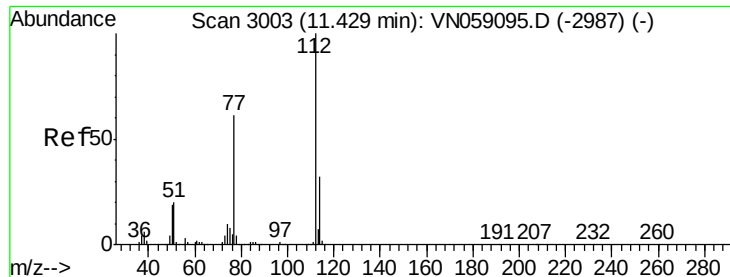
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V





#65

Chlorobenzene

Concen: 20.850 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

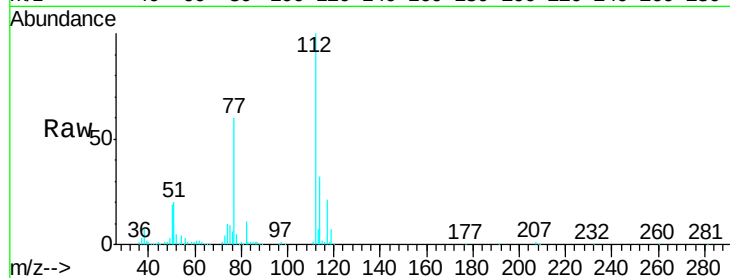
VN1118MBS01

Tgt Ion:112 Resp: 214030

Ion Ratio Lower Upper

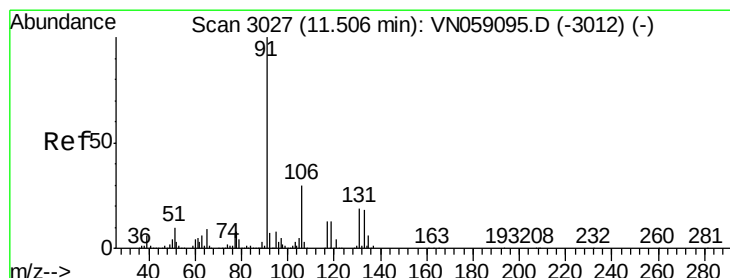
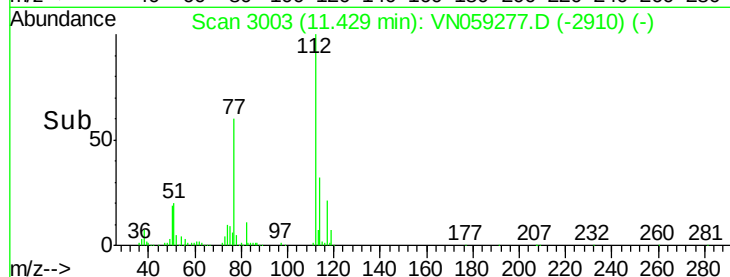
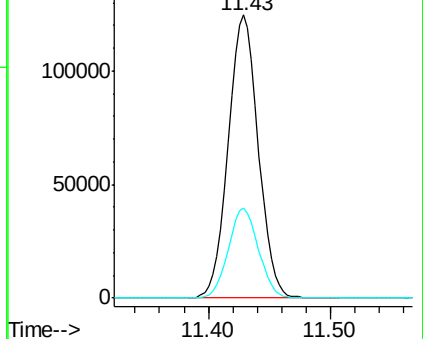
112 100

114 31.7 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#66

1,1,1,2-Tetrachloroethane

Concen: 21.201 ug/l

RT: 11.51 min Scan# 3027

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

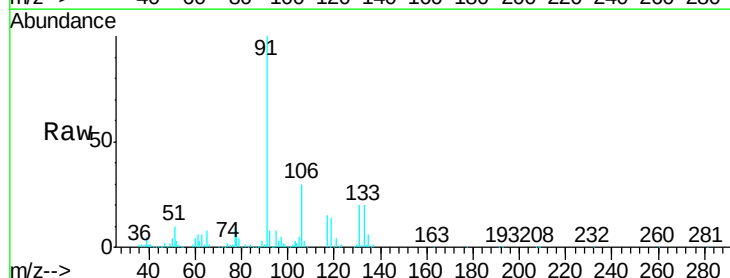
Tgt Ion:131 Resp: 81638

Ion Ratio Lower Upper

131 100

133 96.8 47.4 142.3

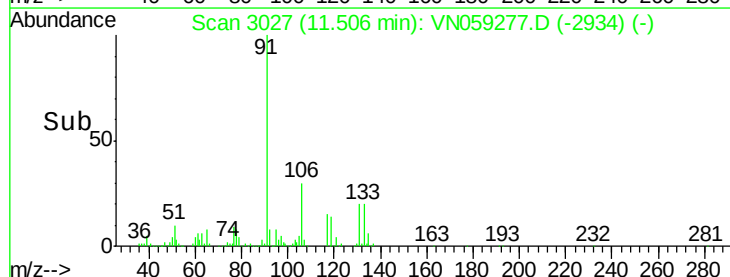
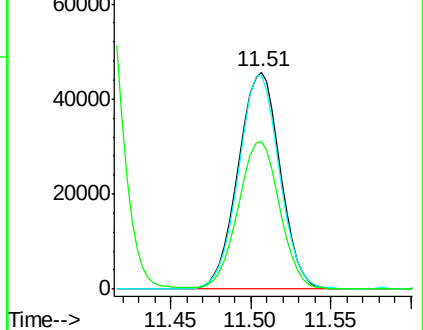
119 67.7 33.2 99.6

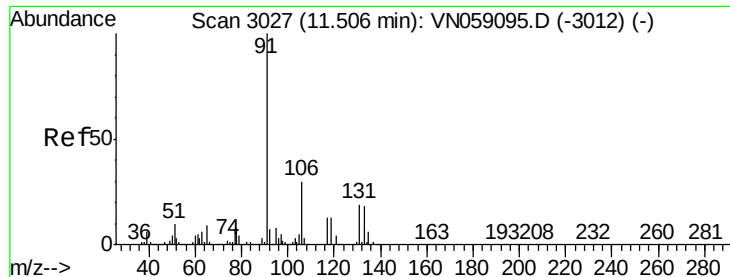


Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V





#67

Ethyl Benzene

Concen: 20.811 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

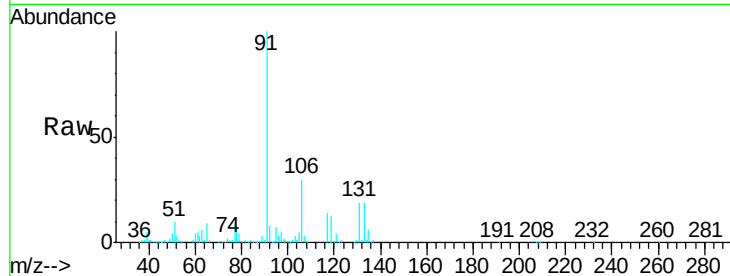
VN1118MBS01

Tgt Ion: 91 Resp: 379013

Ion Ratio Lower Upper

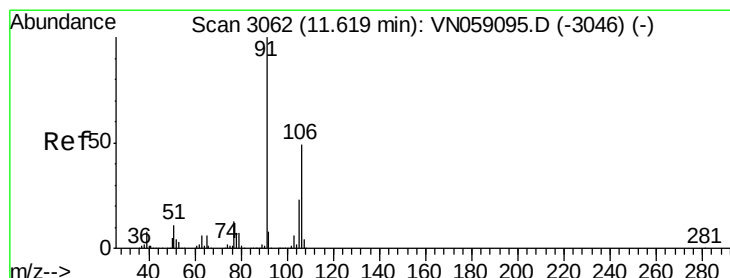
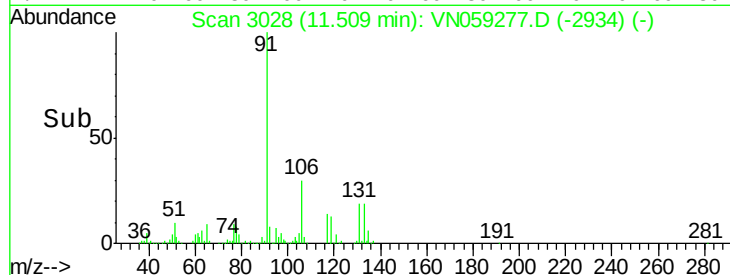
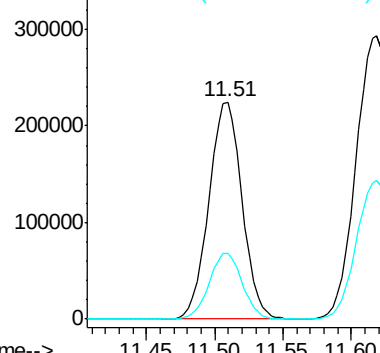
91 100

106 30.5 24.1 36.1



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 106.00 (105.70 to 106.70): V



#68

m/p-Xylenes

Concen: 41.146 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VN059277.D

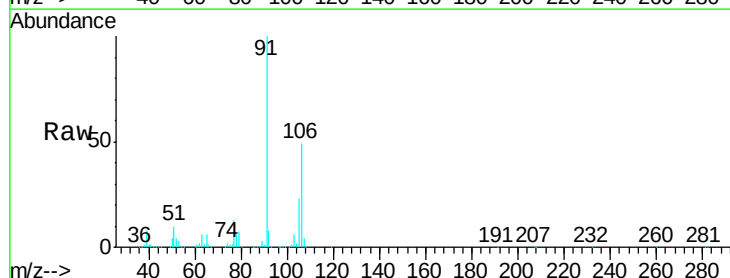
Acq: 18 Nov 2019 12:48

Tgt Ion: 106 Resp: 280702

Ion Ratio Lower Upper

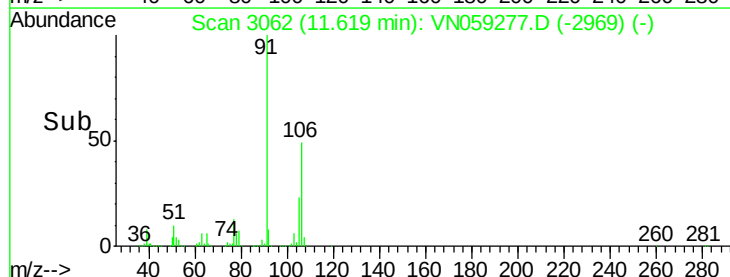
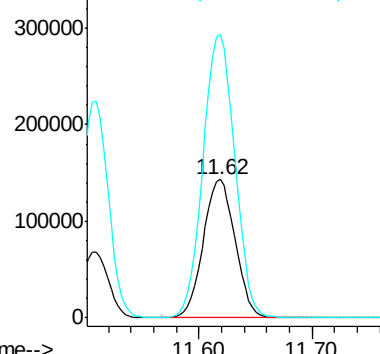
106 100

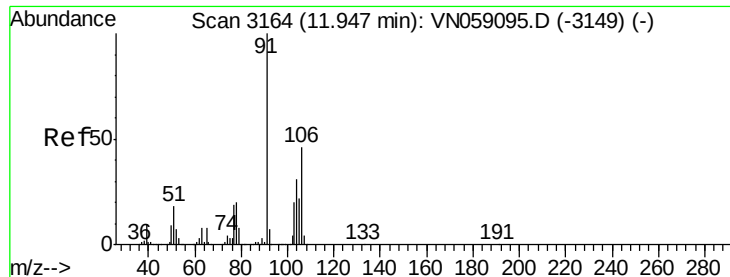
91 204.1 164.7 247.1



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN0

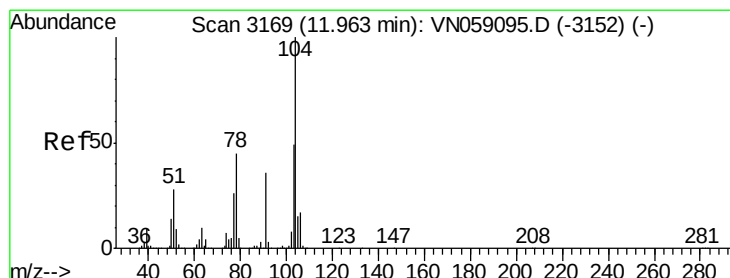
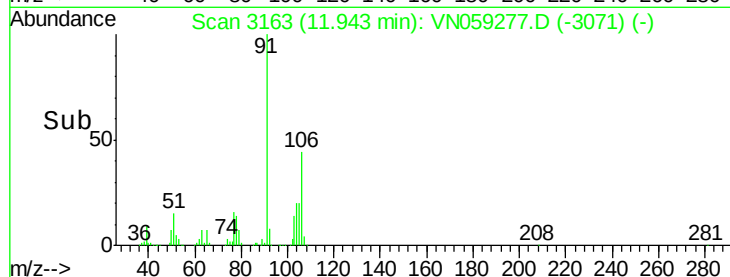
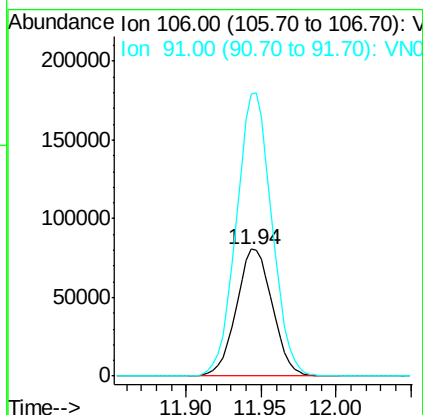
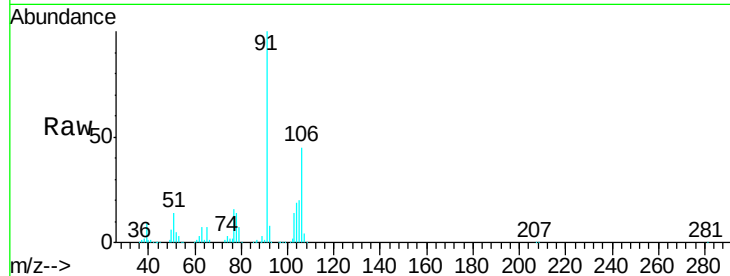




#69
o-Xylene
Concen: 20.534 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

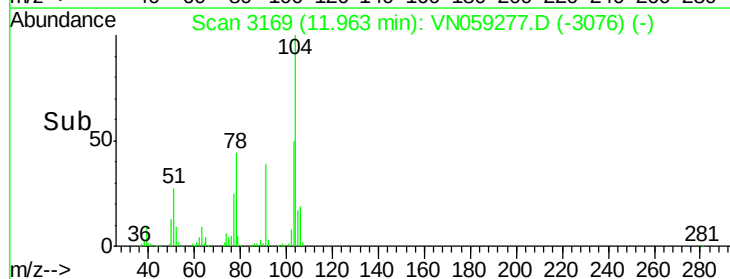
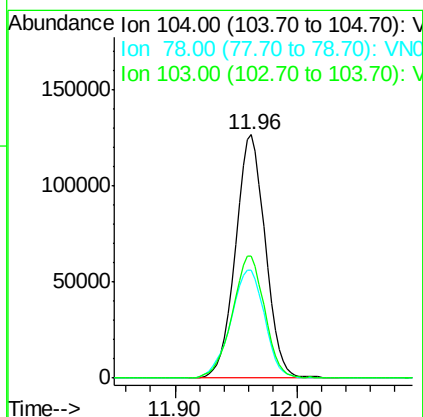
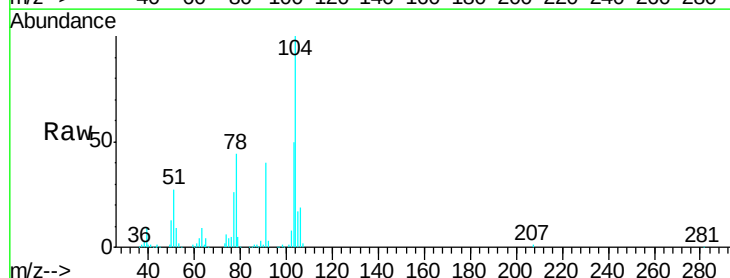
Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

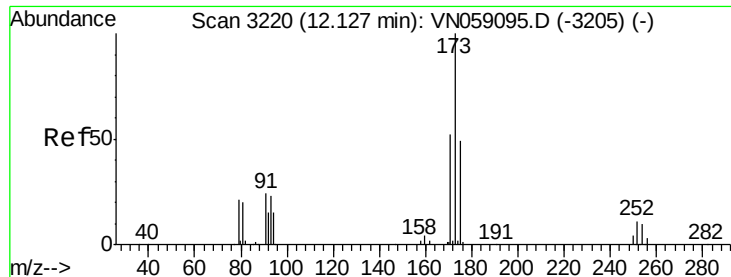
Tgt Ion:106 Resp: 135377
Ion Ratio Lower Upper
106 100
91 220.1 110.1 330.3



#70
Styrene
Concen: 20.727 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion:104 Resp: 214916
Ion Ratio Lower Upper
104 100
78 50.6 41.2 61.8
103 54.4 43.8 65.6

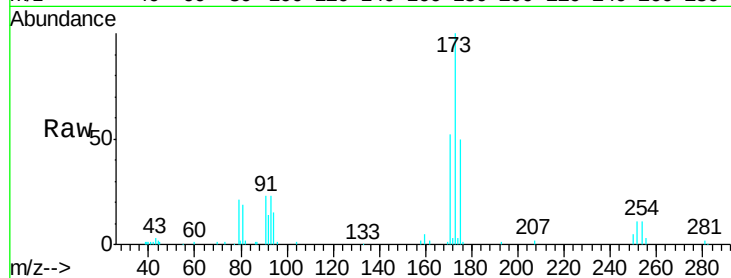




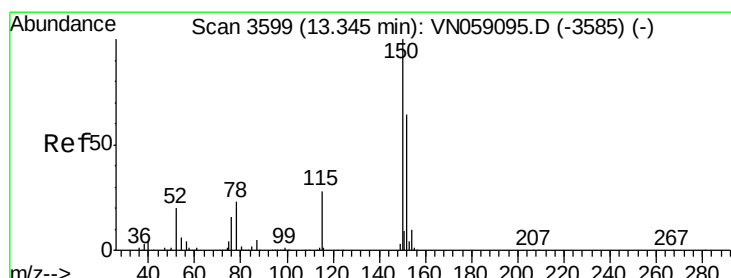
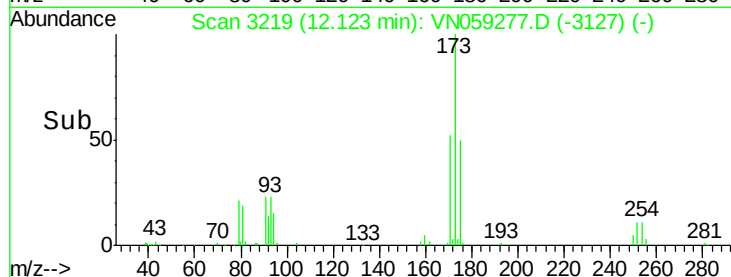
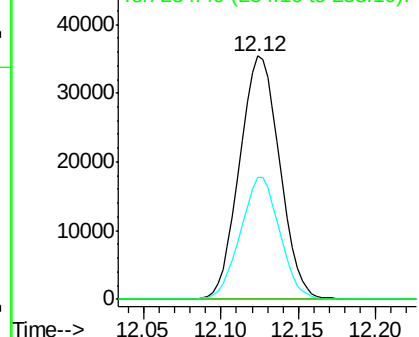
#71
Bromoform
Concen: 21.358 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tgt Ion:173 Resp: 63971
Ion Ratio Lower Upper
173 100
175 49.0 24.2 72.6
254 0.0 0.1 0.1#

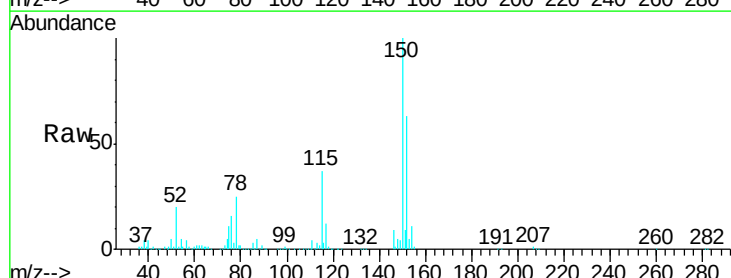


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

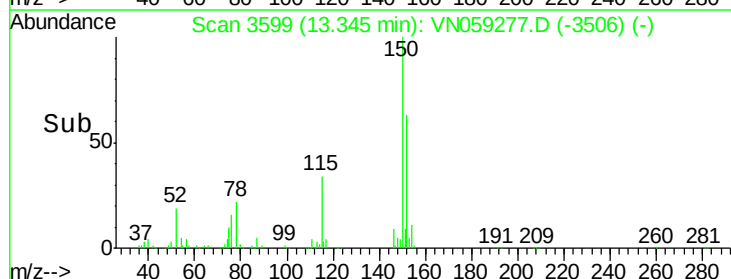
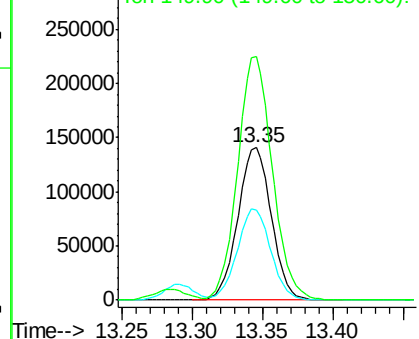


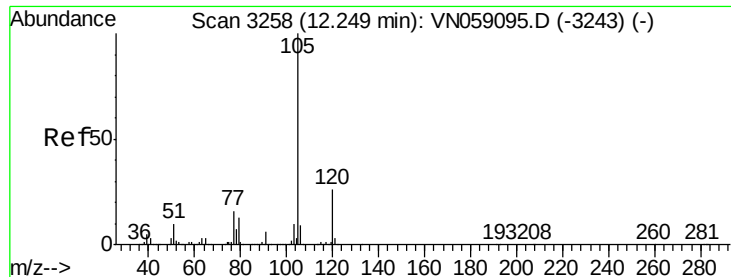
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion:152 Resp: 234419
Ion Ratio Lower Upper
152 100
115 59.3 29.4 88.2
150 165.3 0.0 345.8



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





#73

Isopropylbenzene

Concen: 21.658 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

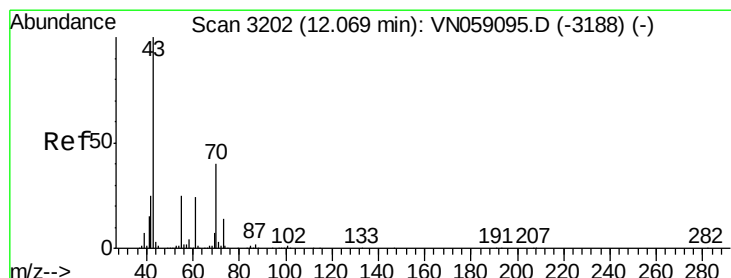
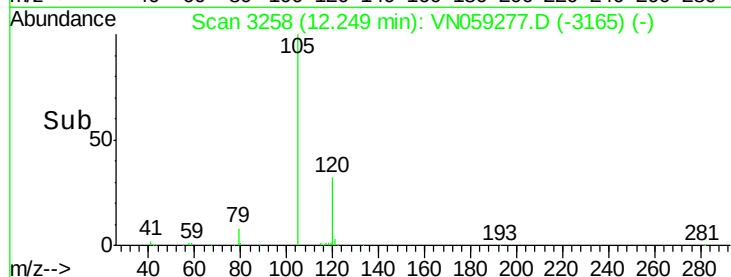
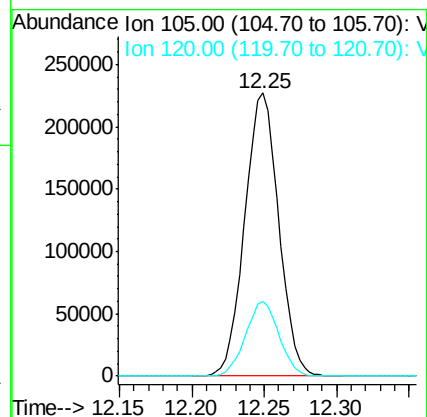
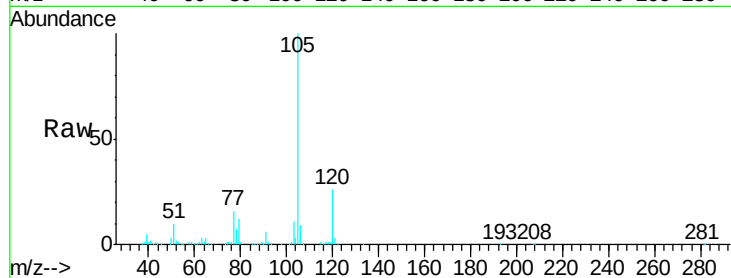
VN1118MBS01

Tgt Ion: 105 Resp: 369309

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.3



#74

N-ethyl acetate

Concen: 20.351 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Tgt Ion: 43 Resp: 147046

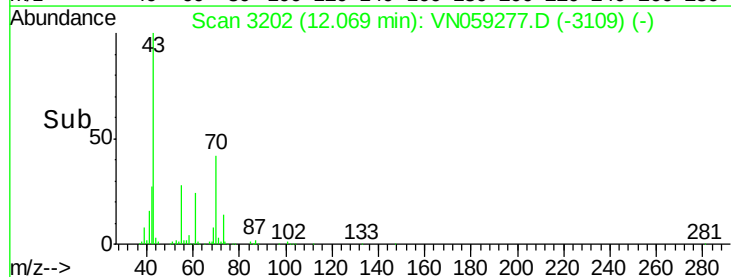
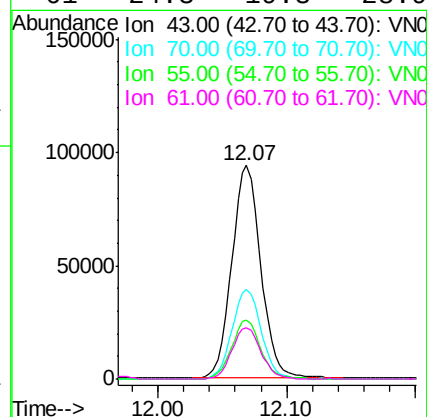
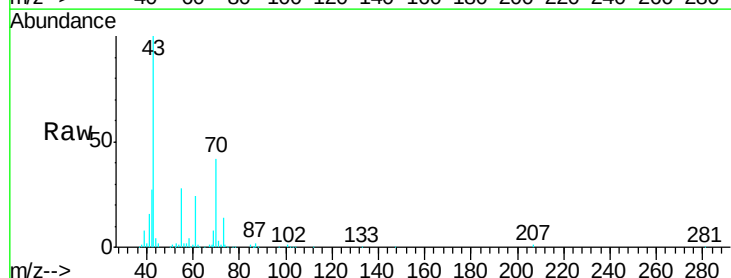
Ion Ratio Lower Upper

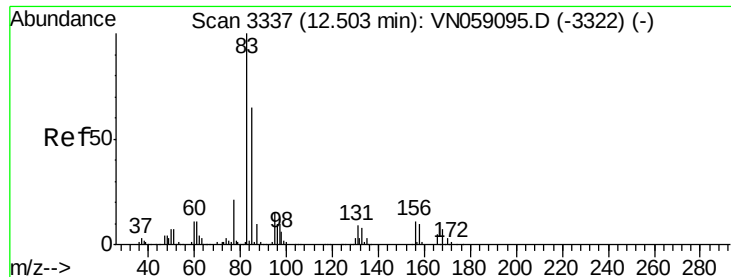
43 100

70 42.5 32.2 48.4

55 27.5 20.4 30.6

61 24.3 19.3 28.9





#75

1,1,2,2-Tetrachloroethane

Concen: 22.315 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

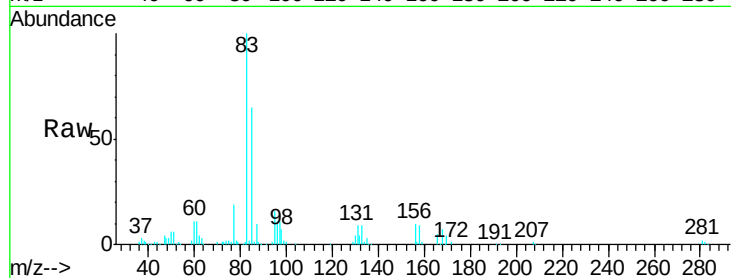
Tgt Ion: 83 Resp: 129580

Ion Ratio Lower Upper

83 100

131 9.6 4.9 14.6

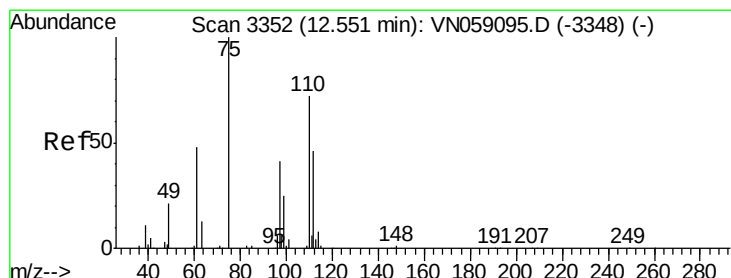
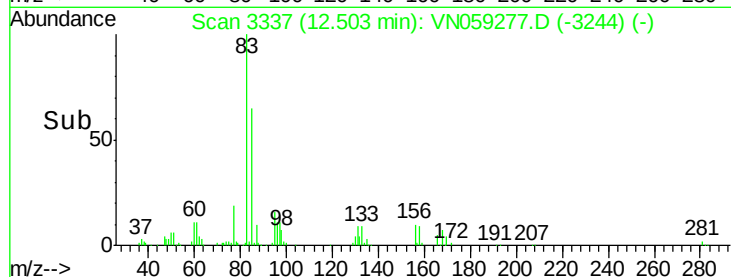
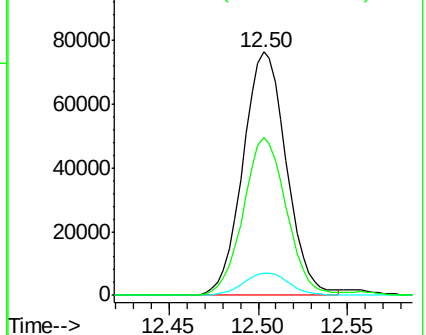
85 64.6 32.4 97.2



Abundance Ion 82.90 (82.60 to 83.60): VN059095.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN059095.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN059095.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 31.563 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN059277.D

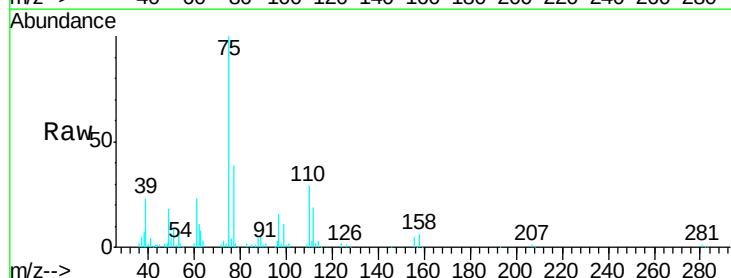
Acq: 18 Nov 2019 12:48

Tgt Ion: 75 Resp: 168449

Ion Ratio Lower Upper

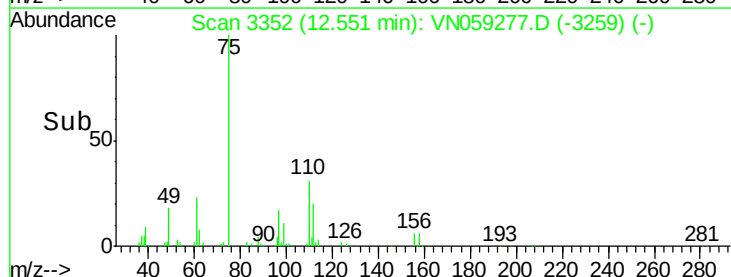
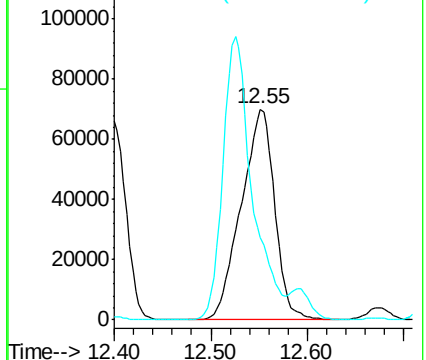
75 100

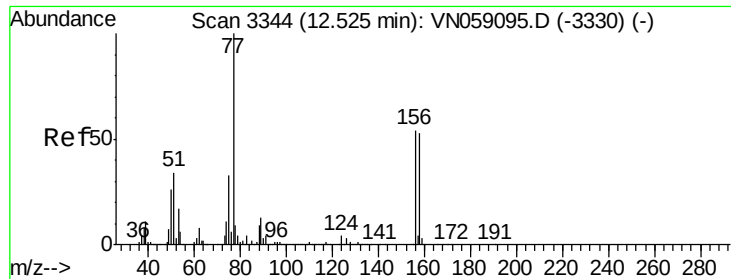
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN059095.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN059095.D (-3348) (-)





#77

Bromobenzene

Concen: 20.909 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

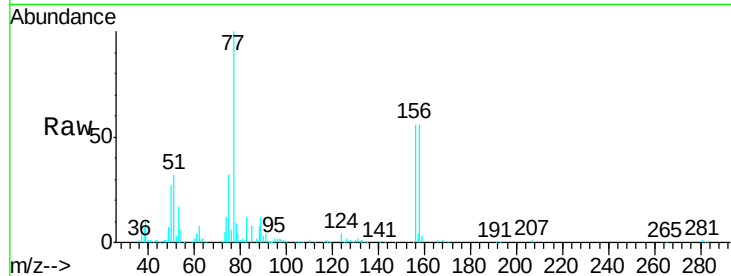
Tgt Ion:156 Resp: 89576

Ion Ratio Lower Upper

156 100

77 221.1 112.8 338.3

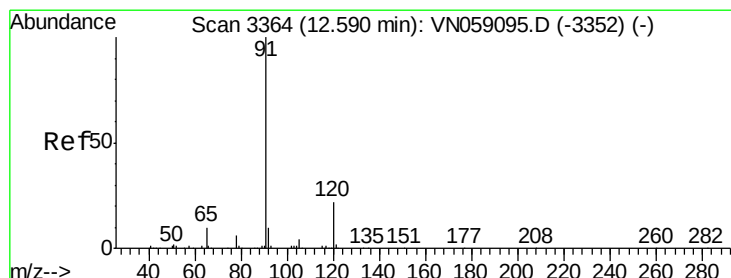
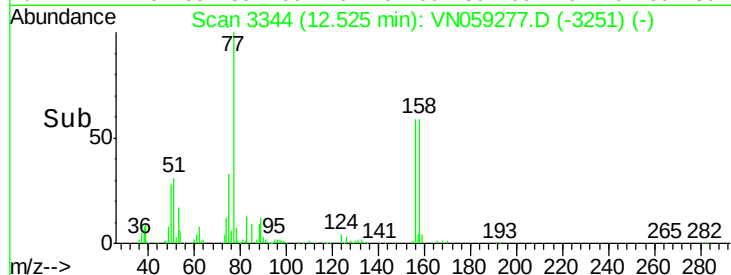
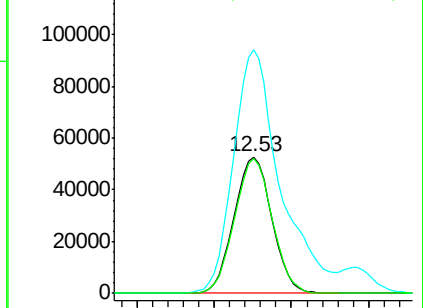
158 98.6 48.4 145.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.402 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. -0.00 min

Lab File: VN059277.D

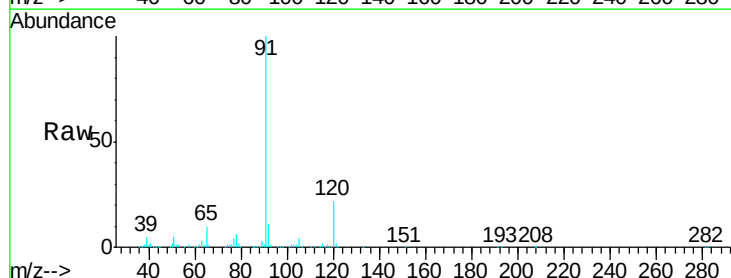
Acq: 18 Nov 2019 12:48

Tgt Ion: 91 Resp: 417849

Ion Ratio Lower Upper

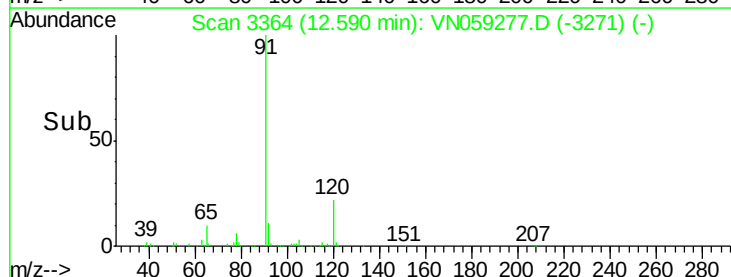
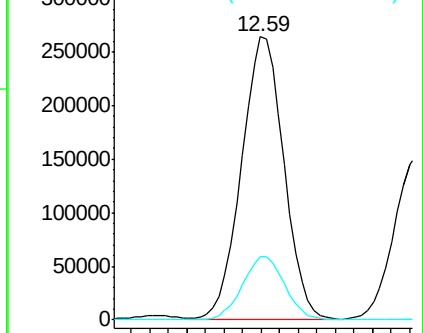
91 100

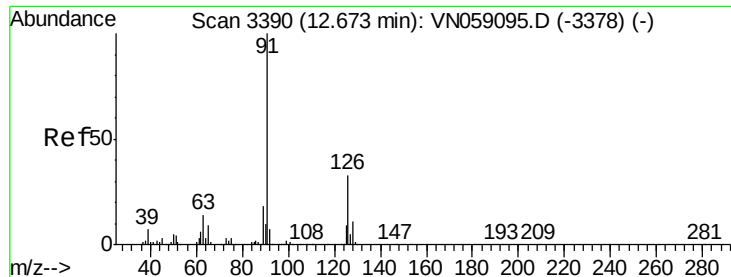
120 22.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.949 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

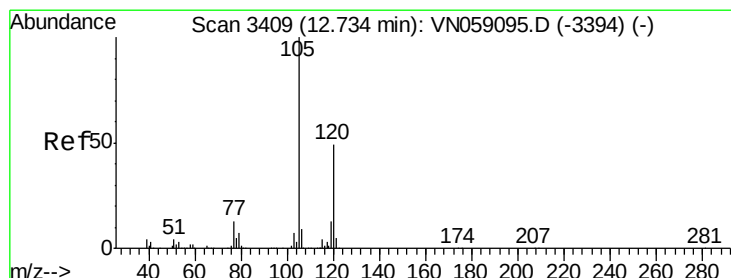
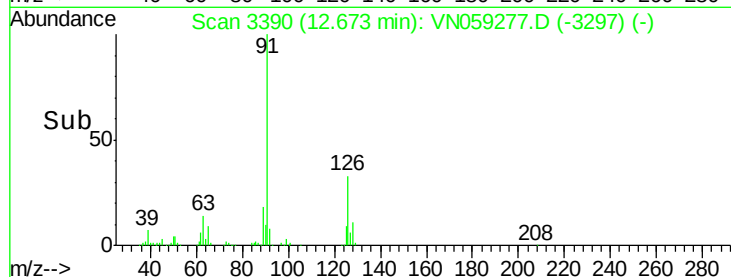
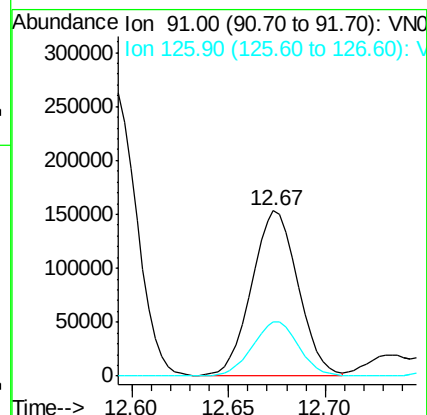
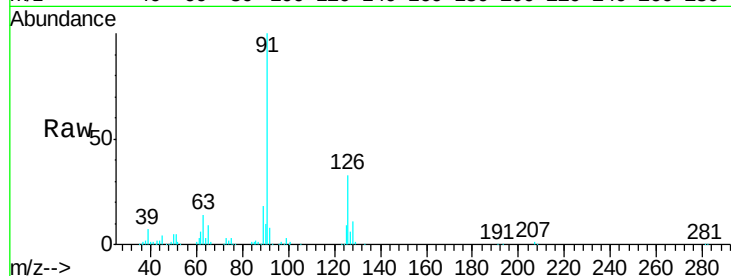
VN1118MBS01

Tgt Ion: 91 Resp: 253734

Ion Ratio Lower Upper

91 100

126 33.1 16.7 50.1



#80

1,3,5-Trimethylbenzene

Concen: 21.451 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. -0.00 min

Lab File: VN059277.D

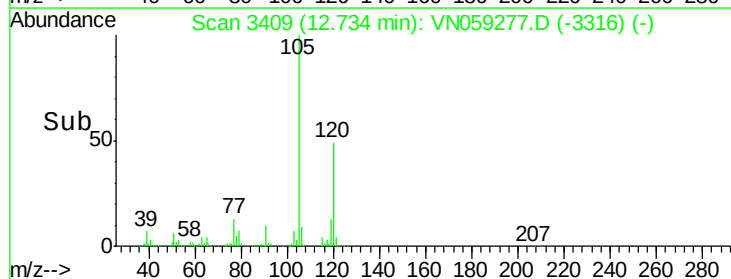
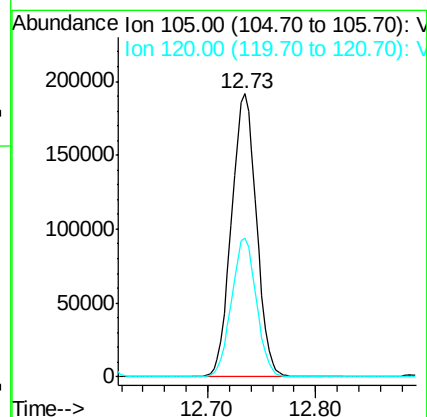
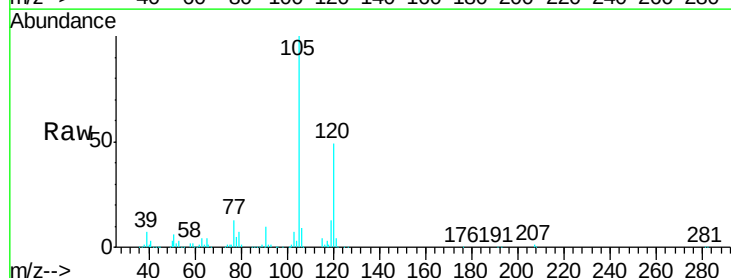
Acq: 18 Nov 2019 12:48

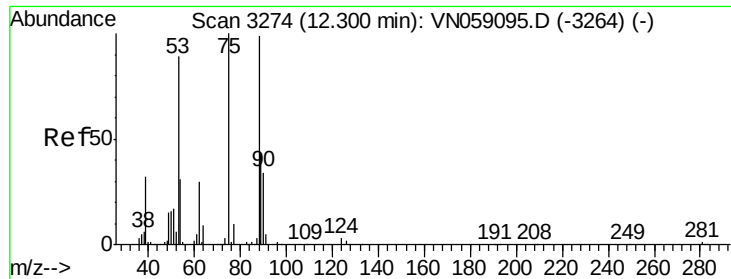
Tgt Ion: 105 Resp: 309945

Ion Ratio Lower Upper

105 100

120 48.7 24.0 72.0





#81

trans-1,4-Dichloro-2-butene

Concen: 20.741 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

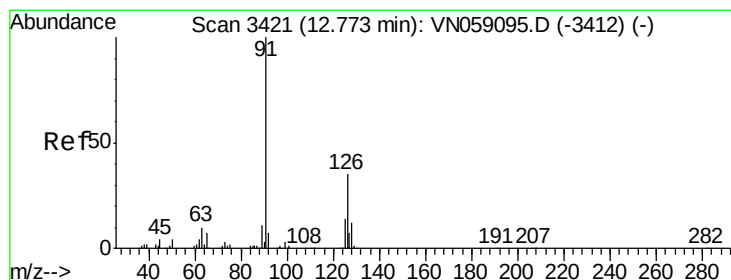
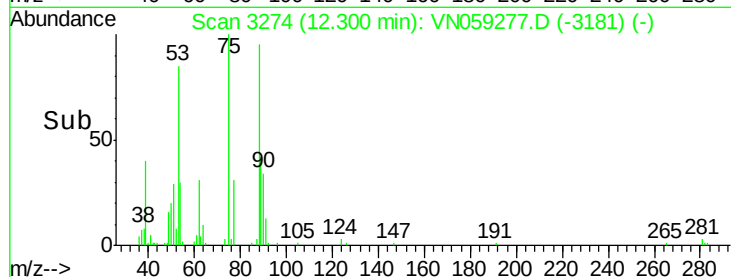
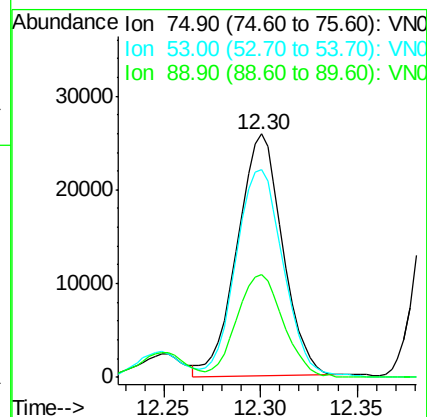
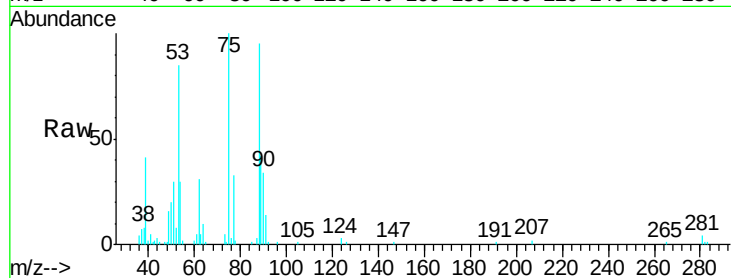
Tgt Ion: 75 Resp: 41910

Ion Ratio Lower Upper

75 100

53 90.7 72.2 108.2

89 43.8 35.8 53.8



#82

4-Chlorotoluene

Concen: 20.855 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. -0.00 min

Lab File: VN059277.D

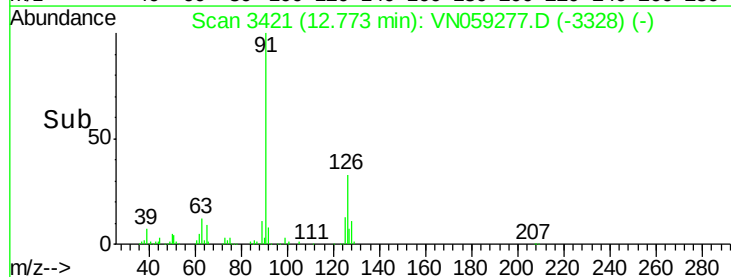
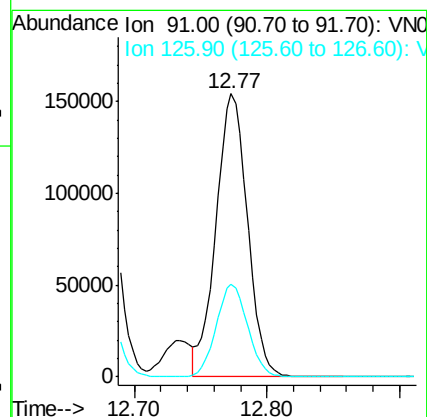
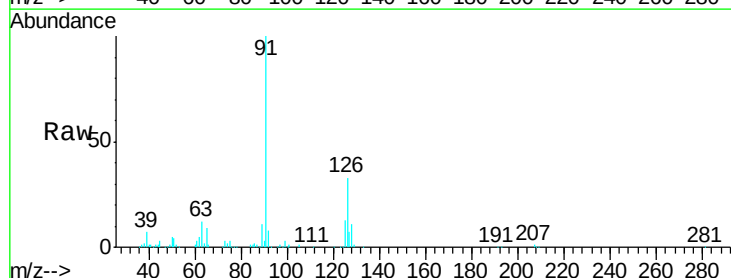
Acq: 18 Nov 2019 12:48

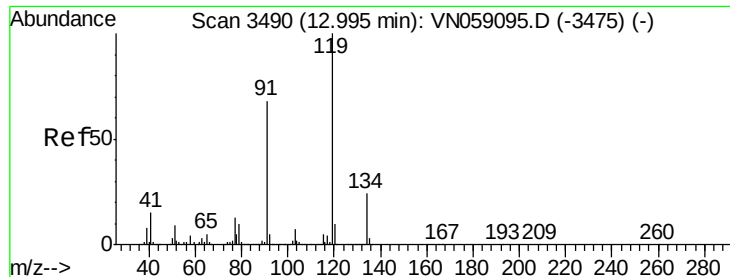
Tgt Ion: 91 Resp: 253345

Ion Ratio Lower Upper

91 100

126 32.5 16.1 48.2

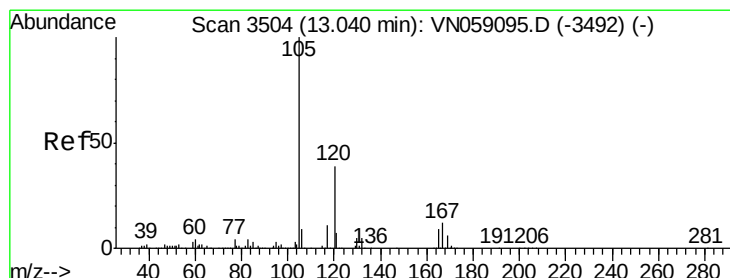
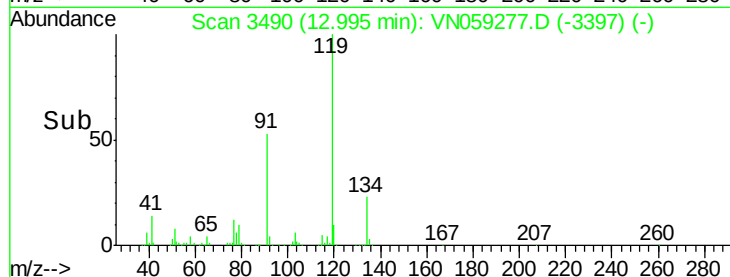
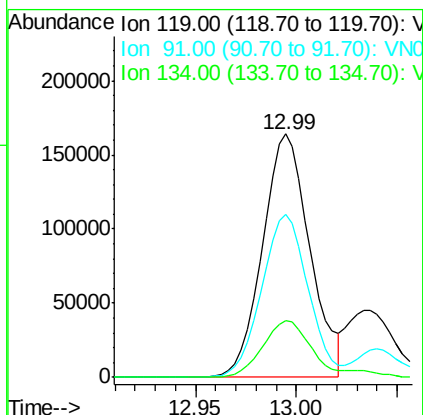
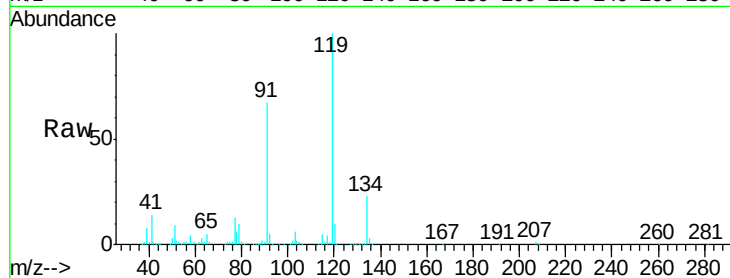




#83
tert-Butylbenzene
Concen: 21.467 ug/l
RT: 12.99 min Scan# 3490
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

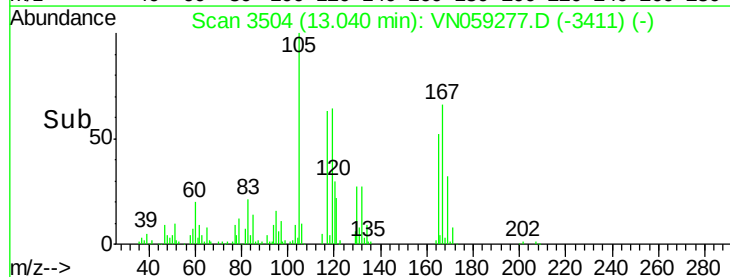
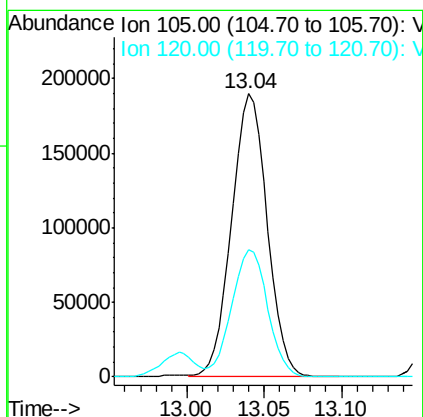
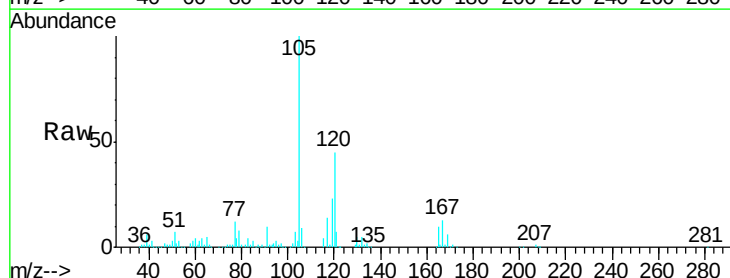
Instrument :
MSVOA_N
ClientSampled :
VN1118MBS01

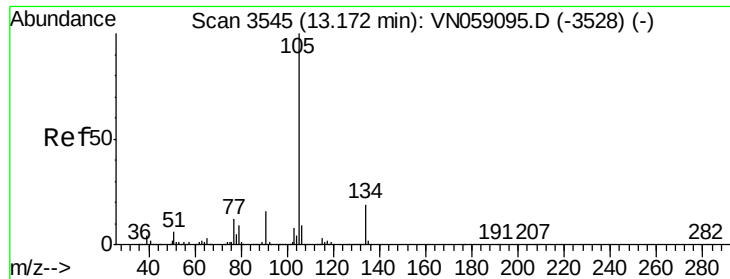
Tgt Ion:119 Resp: 267862
Ion Ratio Lower Upper
119 100
91 65.8 33.2 99.6
134 23.6 12.7 38.1



#84
1,2,4-Trimethylbenzene
Concen: 21.580 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion:105 Resp: 301674
Ion Ratio Lower Upper
105 100
120 45.8 22.8 68.4





#85

sec-Butylbenzene

Concen: 21.642 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

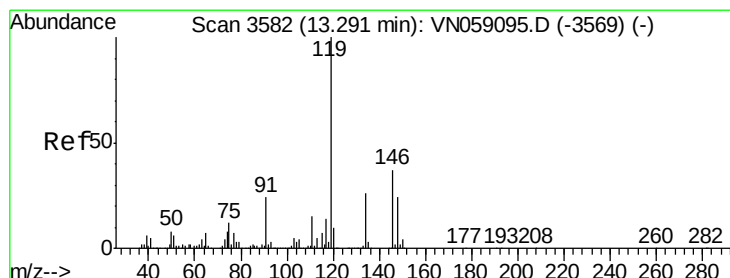
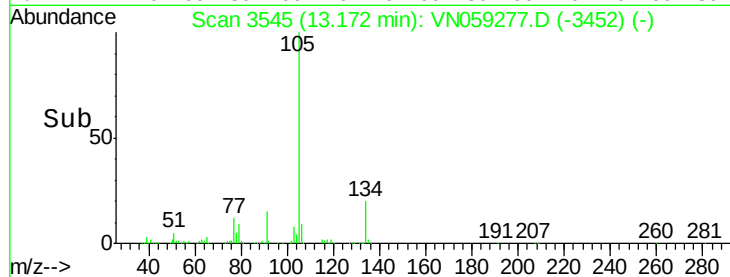
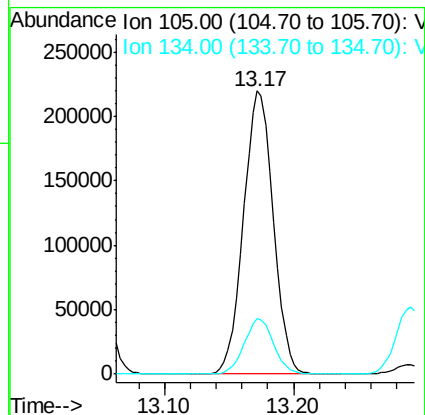
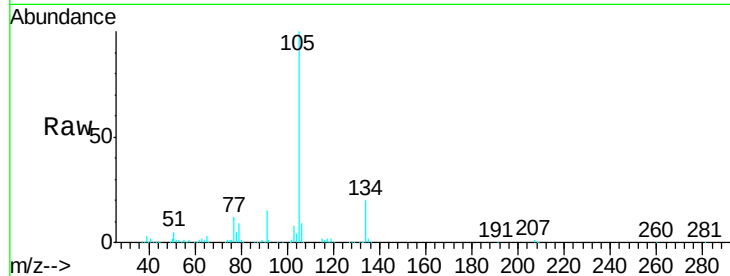
VN1118MBS01

Tgt Ion:105 Resp: 351207

Ion Ratio Lower Upper

105 100

134 19.5 9.7 29.1



#86

p-Isopropyltoluene

Concen: 21.461 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

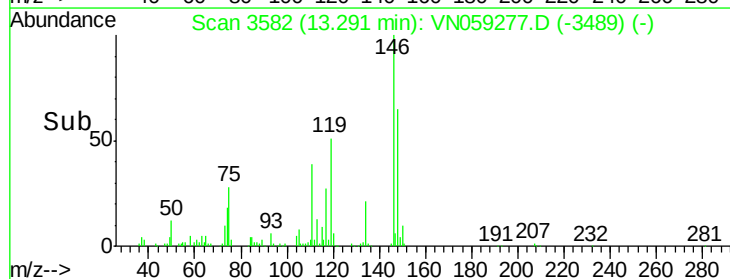
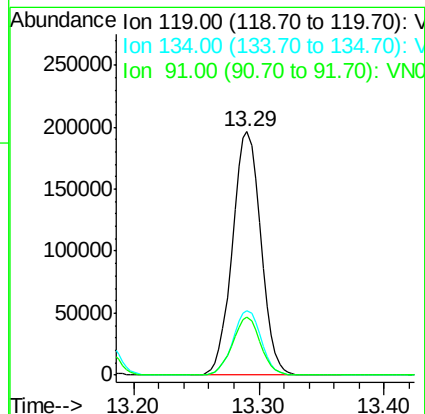
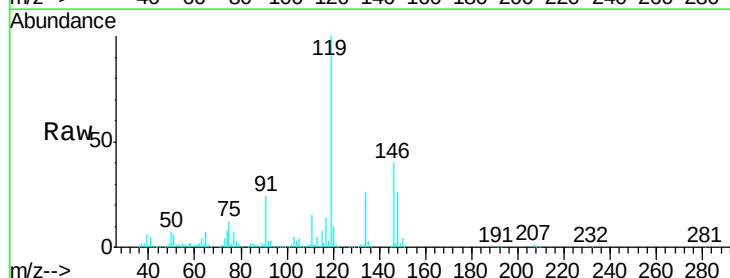
Tgt Ion:119 Resp: 307506

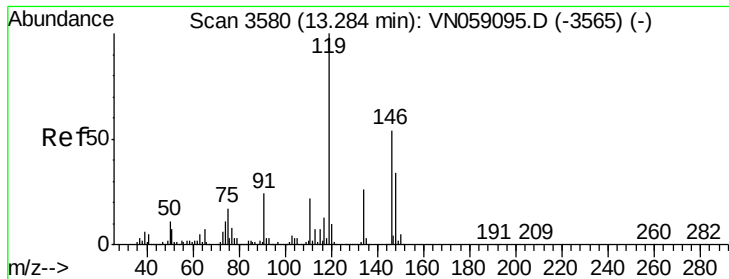
Ion Ratio Lower Upper

119 100

134 26.5 13.0 38.9

91 23.3 11.7 35.1

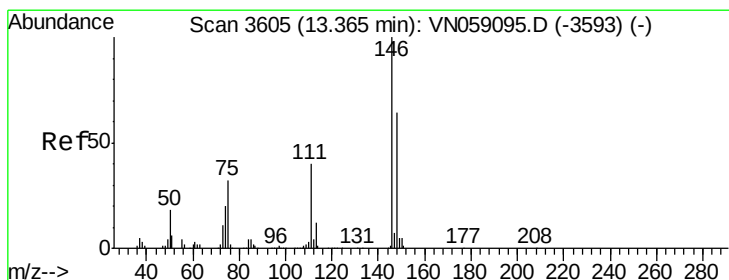
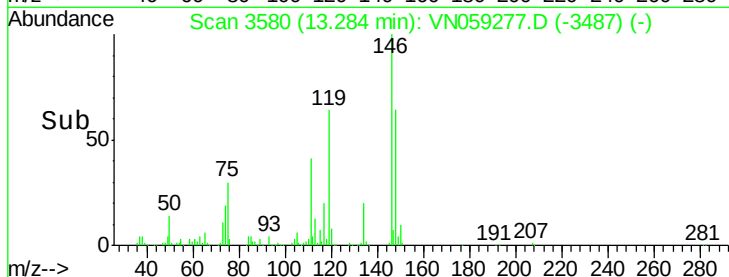
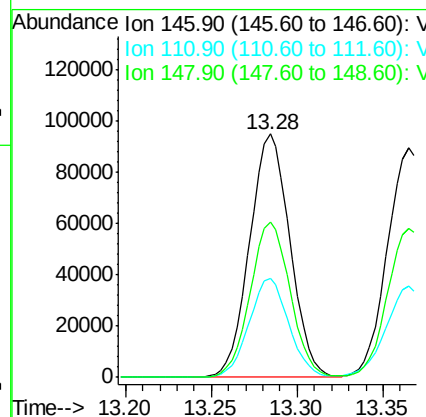
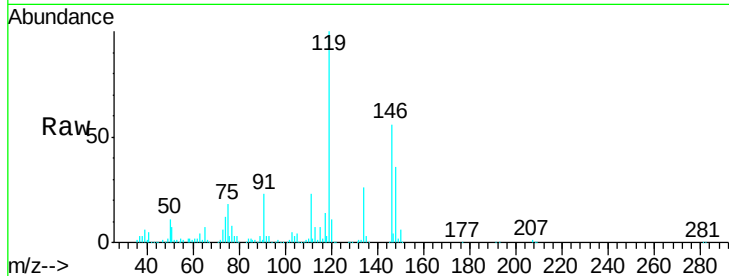




#87
 1,3-Dichlorobenzene
 Concen: 21.072 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

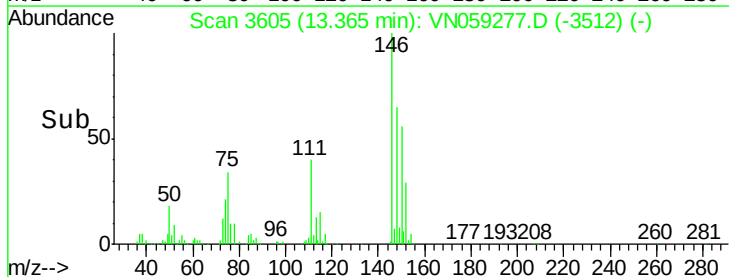
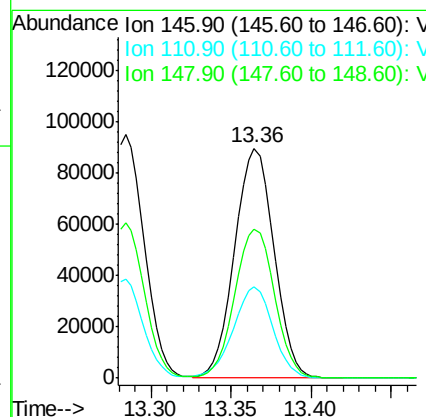
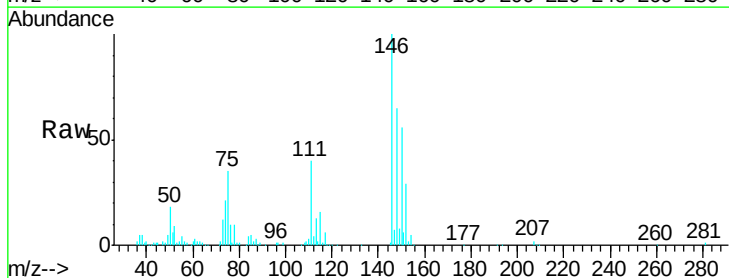
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

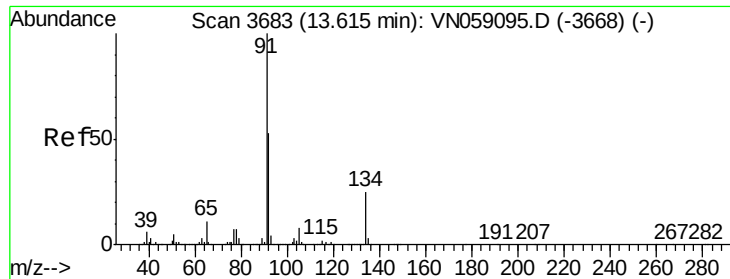
Tgt Ion:146 Resp: 154590
 Ion Ratio Lower Upper
 146 100
 111 40.1 20.4 61.3
 148 63.3 32.2 96.6



#88
 1,4-Dichlorobenzene
 Concen: 20.359 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion:146 Resp: 149433
 Ion Ratio Lower Upper
 146 100
 111 40.4 20.3 60.9
 148 65.4 31.9 95.7





#89

n-Butylbenzene

Concen: 20.182 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampleId :

VN1118MBS01

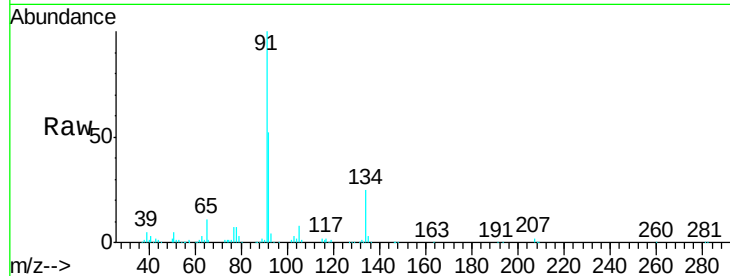
Tgt Ion: 91 Resp: 253100

Ion Ratio Lower Upper

91 100

92 52.2 26.1 78.3

134 24.9 12.6 37.8

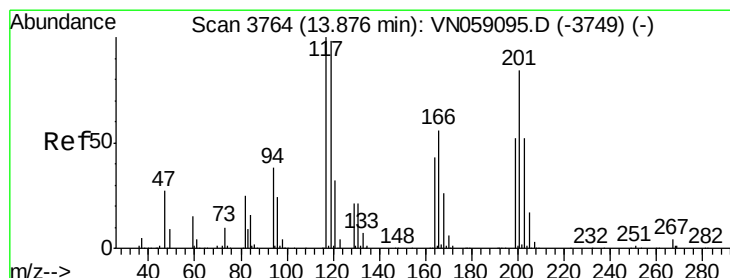
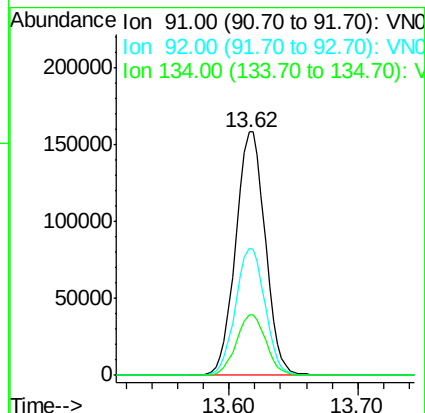
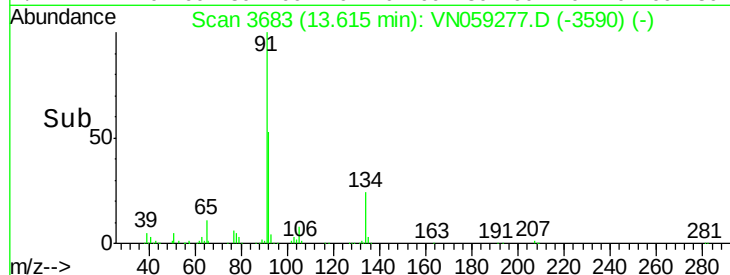


Abundance Ion 91.00 (90.70 to 91.70): VN059095.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN059095.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN059095.D (-3668) (-)

Time-->



#90

Hexachloroethane

Concen: 20.836 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN059277.D

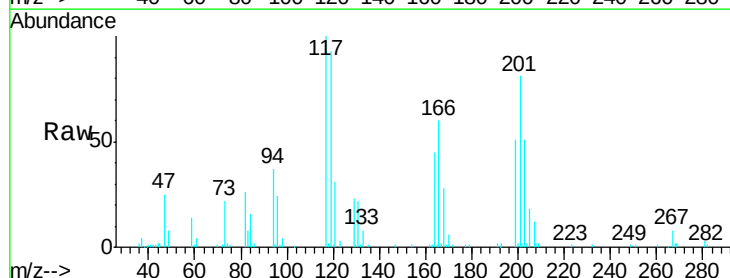
Acq: 18 Nov 2019 12:48

Tgt Ion: 117 Resp: 59950

Ion Ratio Lower Upper

117 100

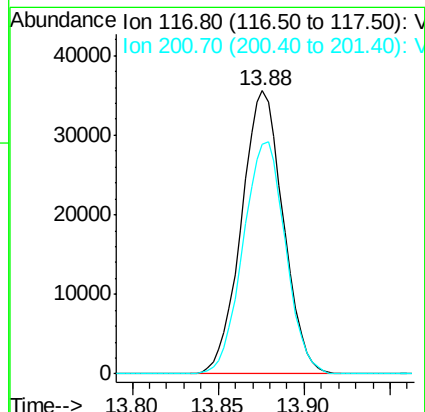
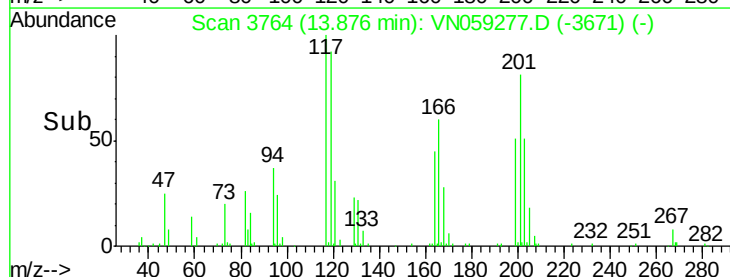
201 83.1 41.8 125.3

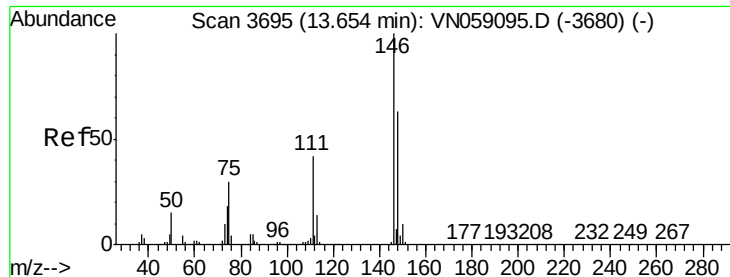


Abundance Ion 116.80 (116.50 to 117.50): VN059095.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN059095.D (-3749) (-)

Time-->





#91

1,2-Dichlorobenzene

Concen: 21.475 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. -0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

Instrument :

MSVOA_N

ClientSampled :

VN1118MBS01

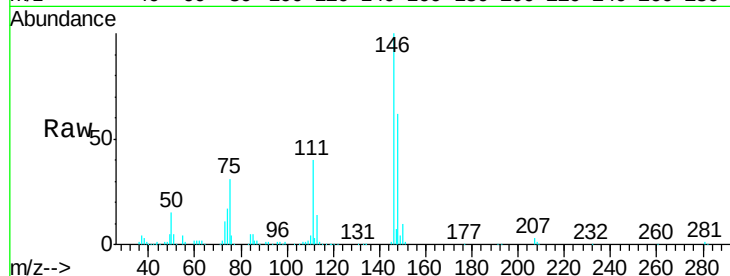
Tgt Ion:146 Resp: 154978

Ion Ratio Lower Upper

146 100

111 41.4 21.2 63.6

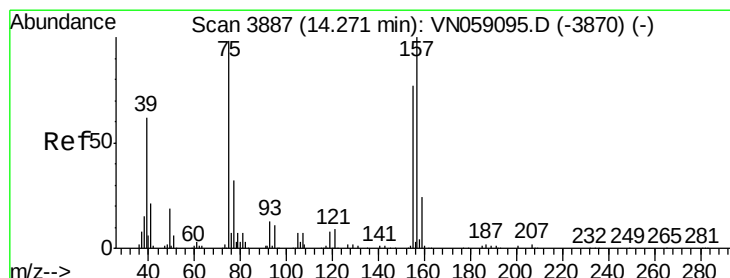
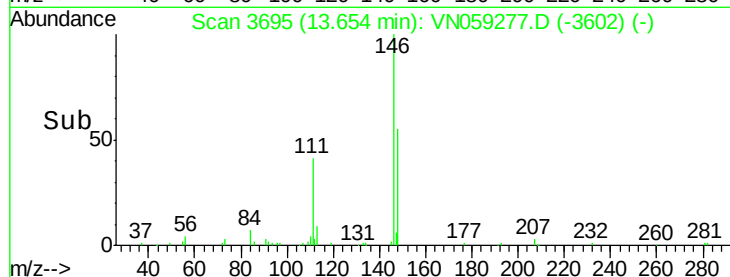
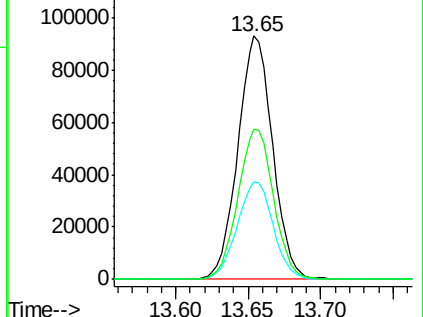
148 63.3 31.6 94.7



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 21.548 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN059277.D

Acq: 18 Nov 2019 12:48

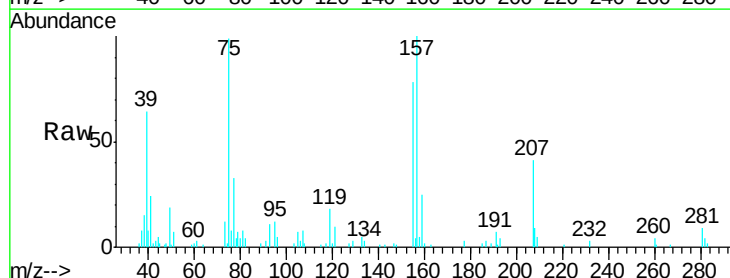
Tgt Ion: 75 Resp: 24947

Ion Ratio Lower Upper

75 100

155 79.1 40.2 120.6

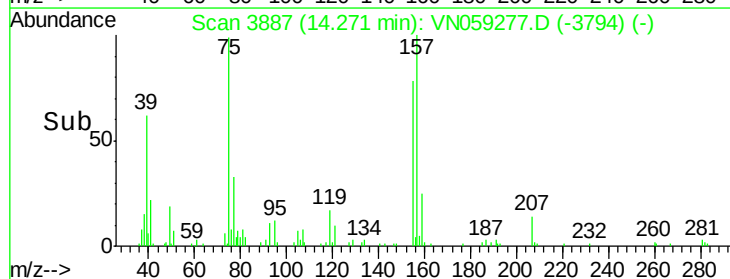
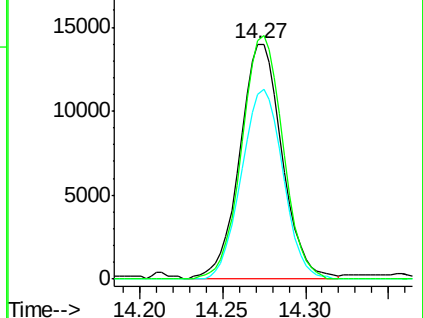
157 100.4 51.8 155.5

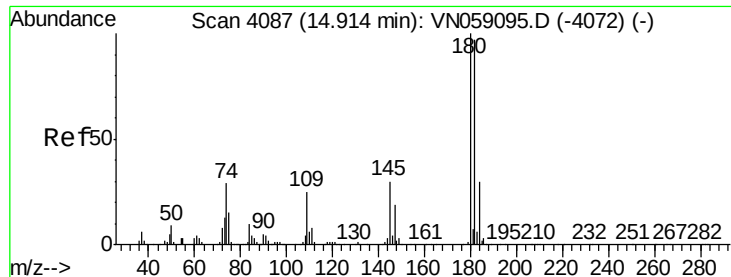


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

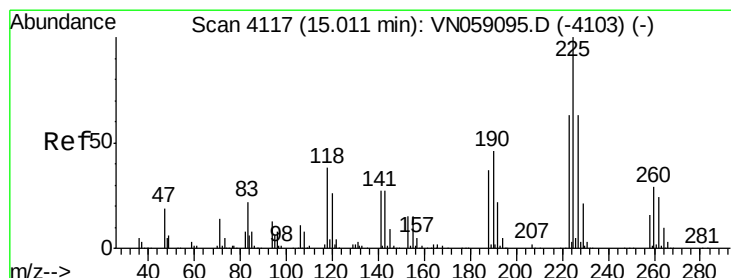
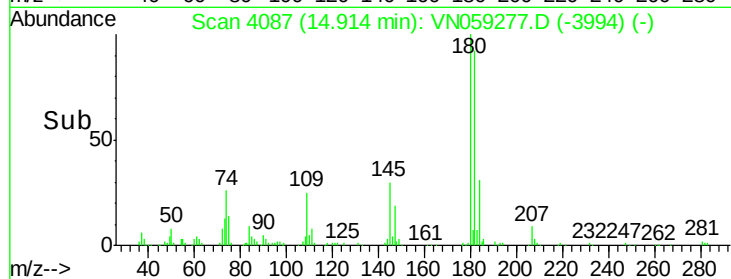
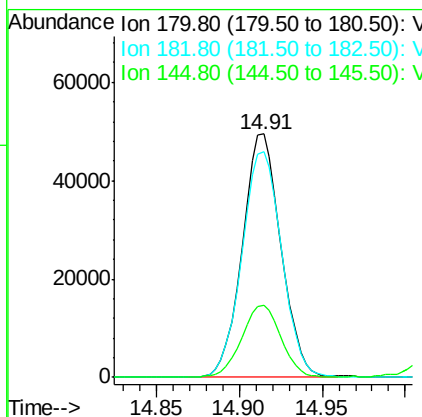
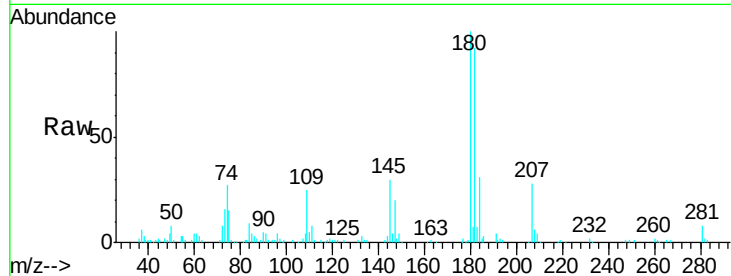




#93
 1,2,4-Trichlorobenzene
 Concen: 20.200 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

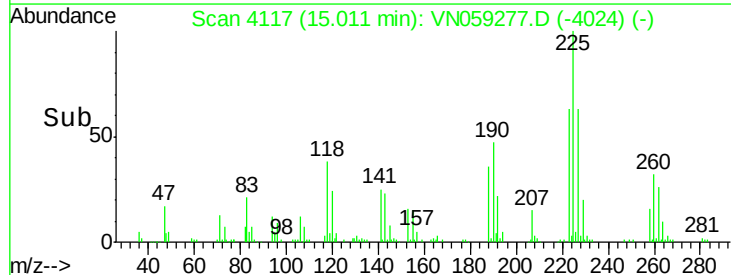
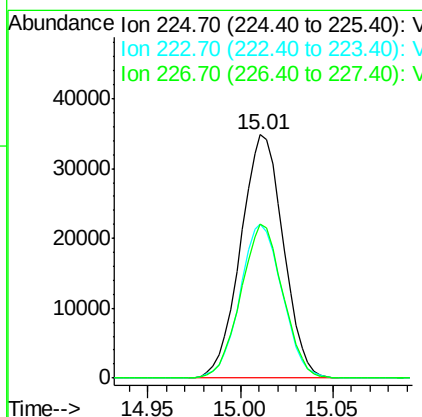
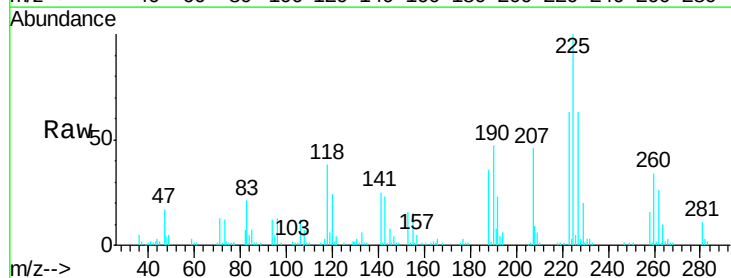
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1118MBS01

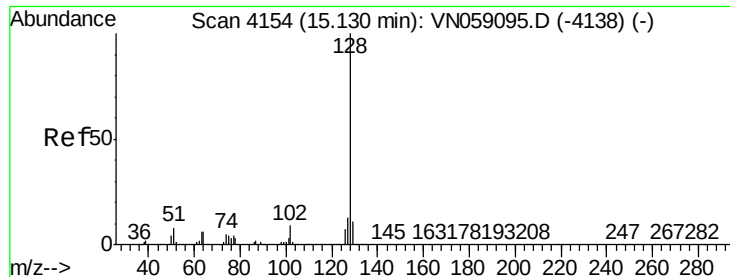
Tgt Ion:180 Resp: 79978
 Ion Ratio Lower Upper
 180 100
 182 95.9 48.1 144.3
 145 30.4 15.1 45.3



#94
 Hexachlorobutadiene
 Concen: 22.378 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. -0.00 min
 Lab File: VN059277.D
 Acq: 18 Nov 2019 12:48

Tgt Ion:225 Resp: 55684
 Ion Ratio Lower Upper
 225 100
 223 62.7 31.3 93.9
 227 62.3 31.5 94.5

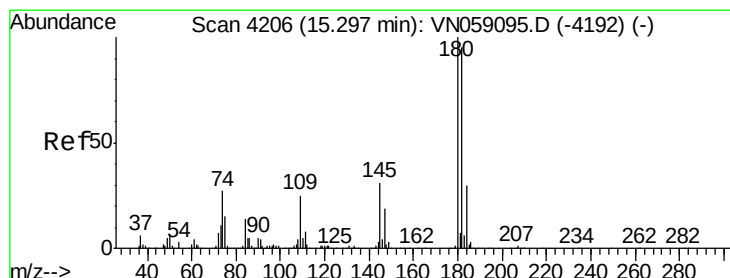
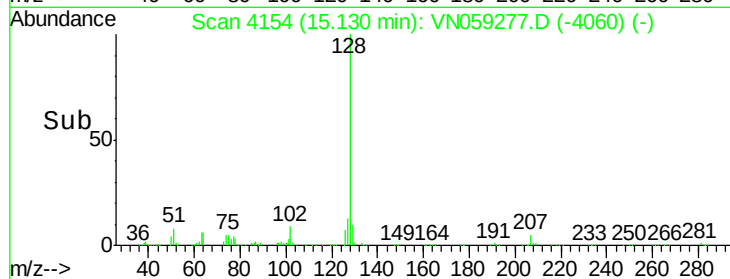
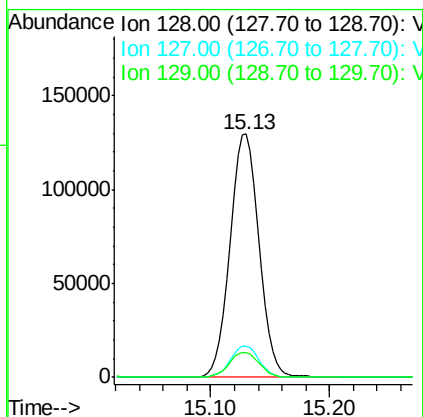
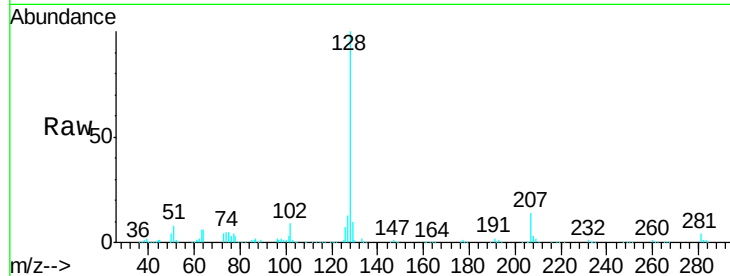




#95
Naphthalene
Concen: 20.003 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. 0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Instrument :
MSVOA_N
ClientSampleId :
VN1118MBS01

Tgt Ion:128 Resp: 219362
Ion Ratio Lower Upper
128 100
127 12.7 10.2 15.2
129 10.6 8.6 12.8



#96
1,2,3-Trichlorobenzene
Concen: 20.972 ug/l
RT: 15.30 min Scan# 4206
Delta R.T. -0.00 min
Lab File: VN059277.D
Acq: 18 Nov 2019 12:48

Tgt Ion:180 Resp: 84820
Ion Ratio Lower Upper
180 100
182 93.1 47.3 141.8
145 31.3 15.8 47.3

