

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101519\
 Data File : VN058777.D
 Acq On : 15 Oct 2019 13:20
 Operator : JC/SP
 Sample : VN1015WBS01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Quant Time: Oct 16 04:15:26 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	463206	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	748166	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	684335	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	324062	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	339065	52.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.58%	
35) Dibromofluoromethane	7.57	113	245614	53.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.30%	
50) Toluene-d8	10.08	98	938096	50.76	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.52%	
62) 4-Bromofluorobenzene	12.40	95	341558	48.83	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.66%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.83	85	125154	21.694	ug/l	99
3) Chloromethane	2.04	50	141774	20.667	ug/l	100
4) Vinyl Chloride	2.17	62	143397	20.988	ug/l	99
5) Bromomethane	2.54	94	88301	21.245	ug/l	98
6) Chloroethane	2.68	64	91282	21.660	ug/l	98
7) Trichlorofluoromethane	3.00	101	178771	21.863	ug/l	97
8) Diethyl Ether	3.39	74	62133	20.566	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.74	101	98904	21.213	ug/l	99
10) Methyl Iodide	3.93	142	128596	20.212	ug/l	98
11) Tert butyl alcohol	4.76	59	114505	109.029	ug/l	100
12) 1,1-Dichloroethene	3.72	96	96689	21.736	ug/l	94
13) Acrolein	3.58	56	67159	79.511	ug/l	100
14) Allyl chloride	4.30	41	188175	20.961	ug/l	99
15) Acrylonitrile	4.96	53	293410	110.783	ug/l	99
16) Acetone	3.79	43	317495	118.262	ug/l	100
17) Carbon Disulfide	4.03	76	287814	20.241	ug/l	100
18) Methyl Acetate	4.30	43	148483	21.804	ug/l	97
19) Methyl tert-butyl Ether	5.02	73	342260	21.547	ug/l	98
20) Methylene Chloride	4.53	84	113208	20.177	ug/l	98
21) trans-1,2-Dichloroethene	5.01	96	104866	21.075	ug/l	99
22) Diisopropyl ether	5.93	45	382332	21.904	ug/l	97
23) Vinyl Acetate	5.87	43	1623419	115.265	ug/l	100
24) 1,1-Dichloroethane	5.82	63	215156	21.643	ug/l	99
25) 2-Butanone	6.81	43	433213	111.641	ug/l	96
26) 2,2-Dichloropropane	6.81	77	190207	20.961	ug/l	99
27) cis-1,2-Dichloroethene	6.81	96	120297	20.732	ug/l	100
28) Bromochloromethane	7.17	49	75301	21.773	ug/l	100
29) Tetrahydrofuran	7.19	42	275098	109.704	ug/l	100
30) Chloroform	7.36	83	214778	21.504	ug/l	98
31) Cyclohexane	7.63	56	191740	20.158	ug/l	98
32) 1,1,1-Trichloroethane	7.55	97	184771	21.692	ug/l	100
36) 1,1-Dichloropropene	7.78	75	160568	21.227	ug/l	99
37) Ethyl Acetate	6.91	43	177605	23.216	ug/l	98
38) Carbon Tetrachloride	7.76	117	163660	22.199	ug/l	100

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 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	177160	20.183	ug/l	97
40) Benzene	8.02	78	462182	21.274	ug/l	100
41) Methacrylonitrile	7.19	41	255904	71.459	ug/l #	1
42) 1,2-Dichloroethane	8.11	62	182427	21.857	ug/l	100
43) Isopropyl Acetate	8.15	43	278340	21.357	ug/l	99
44) Trichloroethene	8.82	130	112807	20.909	ug/l	96
45) 1,2-Dichloropropane	9.11	63	123990	21.319	ug/l	99
46) Dibromomethane	9.20	93	79523	21.567	ug/l	100
47) Bromodichloromethane	9.39	83	165390	22.027	ug/l	98
48) Methyl methacrylate	9.19	41	127522	21.586	ug/l	99
49) 1,4-Dioxane	9.19	88	40590	444.130	ug/l	99
51) 4-Methyl-2-Pentanone	9.98	43	878824	120.071	ug/l	98
52) Toluene	10.15	92	280374	21.101	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	183926	21.357	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	196800	21.523	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	112398	20.667	ug/l	99
56) Ethyl methacrylate	10.43	69	172899	21.761	ug/l	99
57) 1,3-Dichloropropane	10.70	76	200209	21.603	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	408812	106.768	ug/l	100
59) 2-Hexanone	10.75	43	655384	115.868	ug/l	98
60) Dibromochloromethane	10.90	129	121079	21.582	ug/l	99
61) 1,2-Dibromoethane	11.00	107	115658	21.228	ug/l	99
64) Tetrachloroethene	10.63	164	100525	20.990	ug/l	94
65) Chlorobenzene	11.43	112	298032	21.445	ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.51	131	111309	21.660	ug/l	99
67) Ethyl Benzene	11.51	91	537576	21.700	ug/l	98
68) m/p-Xylenes	11.62	106	397905	42.800	ug/l	98
69) o-Xylene	11.95	106	190054	21.129	ug/l	100
70) Styrene	11.97	104	307296	20.844	ug/l	99
71) Bromoform	12.13	173	82813	21.985	ug/l #	100
73) Isopropylbenzene	12.25	105	520562	22.181	ug/l	99
74) N-amyl acetate	12.07	43	235320	22.324	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	172438	22.303	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	233893	32.900	ug/l #	100
77) Bromobenzene	12.53	156	124488	21.807	ug/l	99
78) n-propylbenzene	12.59	91	618392	22.612	ug/l	99
79) 2-Chlorotoluene	12.68	91	363244	21.400	ug/l	100
80) 1,3,5-Trimethylbenzene	12.74	105	442010	22.060	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	57626	21.713	ug/l	96
82) 4-Chlorotoluene	12.78	91	368959	21.182	ug/l	99
83) tert-Butylbenzene	13.00	119	376169	21.915	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	443299	22.286	ug/l	99
85) sec-Butylbenzene	13.18	105	499881	22.101	ug/l	100
86) p-Isopropyltoluene	13.29	119	450657	21.923	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	220536	20.948	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	215329	20.117	ug/l	98
89) n-Butylbenzene	13.62	91	396677	20.870	ug/l	100
90) Hexachloroethane	13.88	117	81840	22.250	ug/l	97
91) 1,2-Dichlorobenzene	13.66	146	219214	21.365	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	37852	20.956	ug/l	94

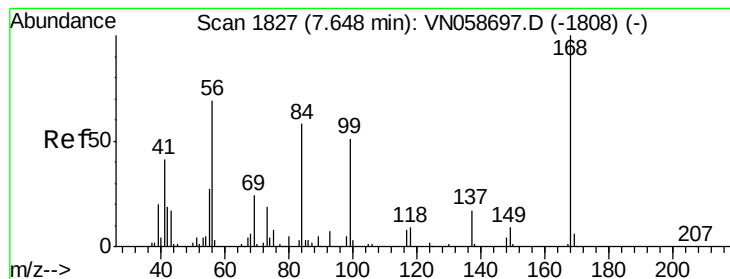
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Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	119968	19.167	ug/l	98
94) Hexachlorobutadiene	15.01	225	69431	21.064	ug/l	99
95) Naphthalene	15.13	128	345434	19.203	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	119168	19.501	ug/l	100

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

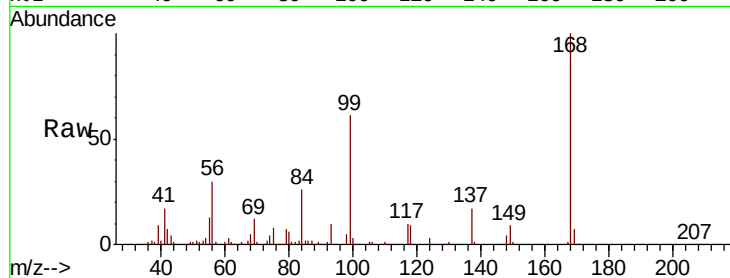
VN1015WBS01

Tot Ion:168 Resp: 463206

Ion Ratio Lower Upper

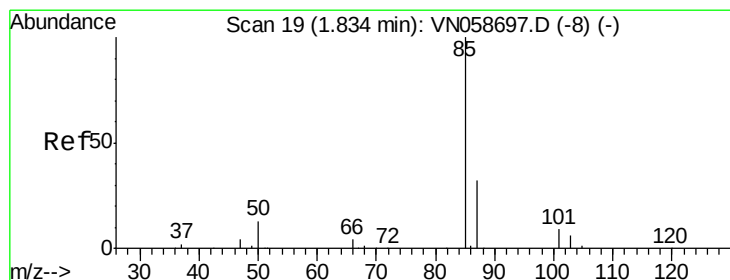
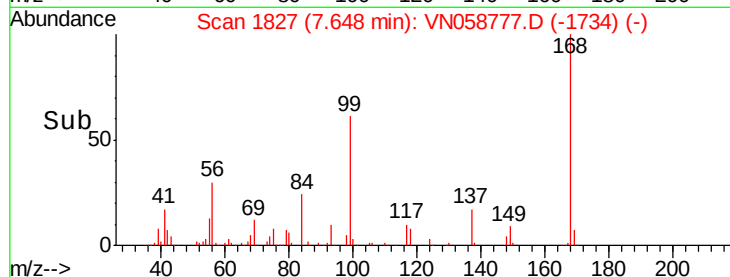
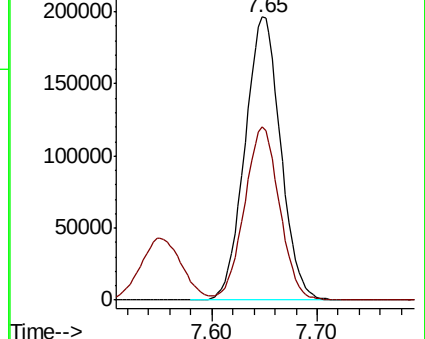
168 100

99 61.2 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO



#2

Dichlorodifluoromethane

Concen: 21.694 ug/l

RT: 1.83 min Scan# 19

Delta R.T. -0.00 min

Lab File: VN058777.D

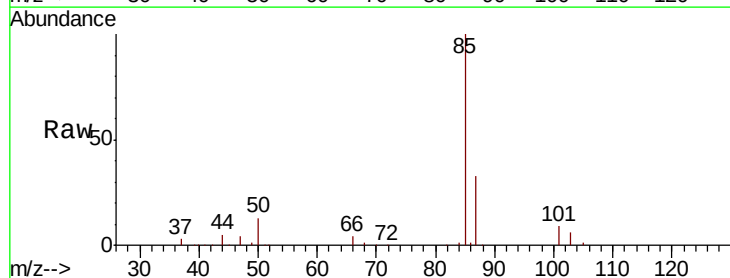
Acq: 15 Oct 2019 13:20

Tgt Ion: 85 Resp: 125154

Ion Ratio Lower Upper

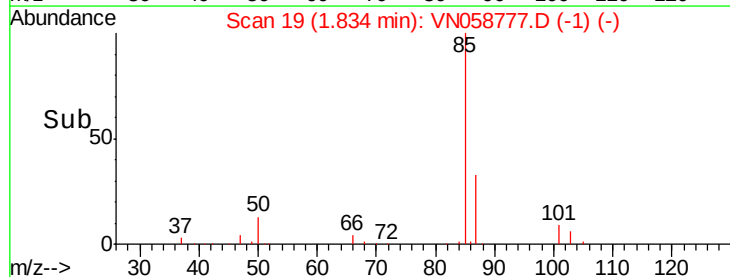
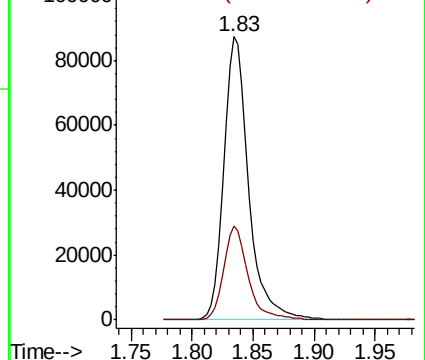
85 100

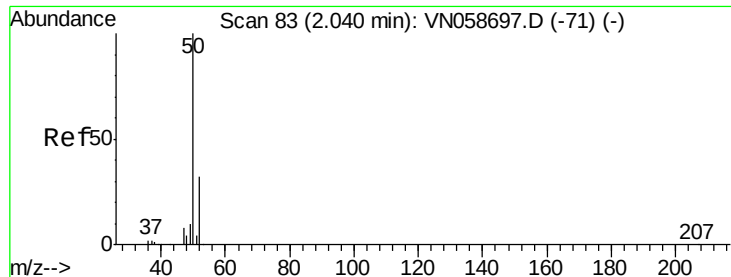
87 33.1 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO





#3

Chloromethane

Concen: 20.667 ug/l

RT: 2.04 min Scan# 83

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

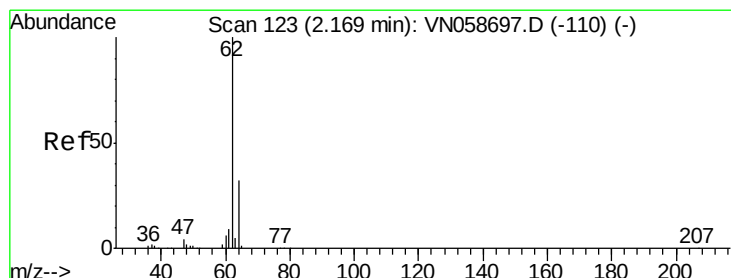
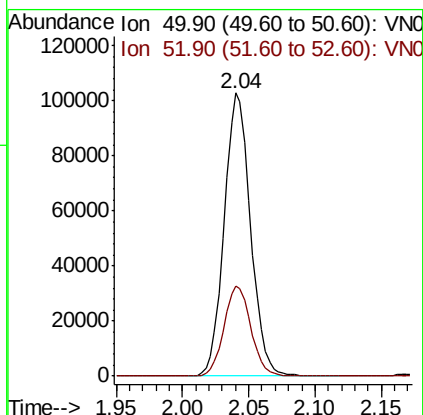
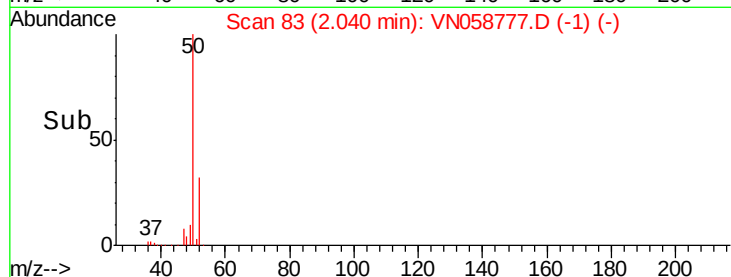
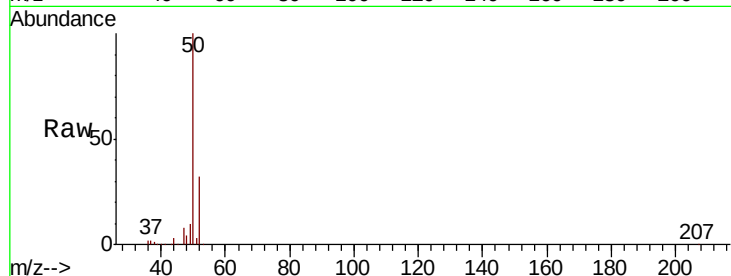
VN1015WBS01

Tot Ion: 50 Resp: 141774

Ion Ratio Lower Upper

50 100

52 32.0 25.8 38.6



#4

Vinyl Chloride

Concen: 20.988 ug/l

RT: 2.17 min Scan# 123

Delta R.T. -0.00 min

Lab File: VN058777.D

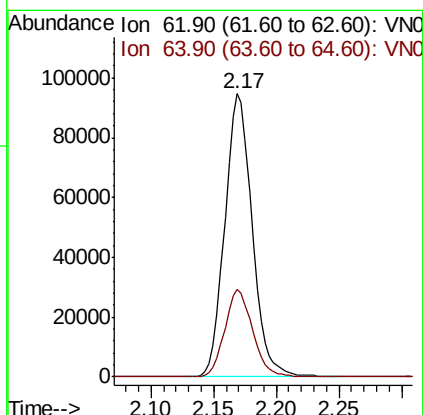
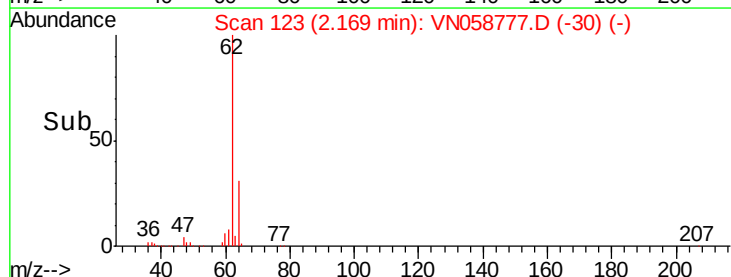
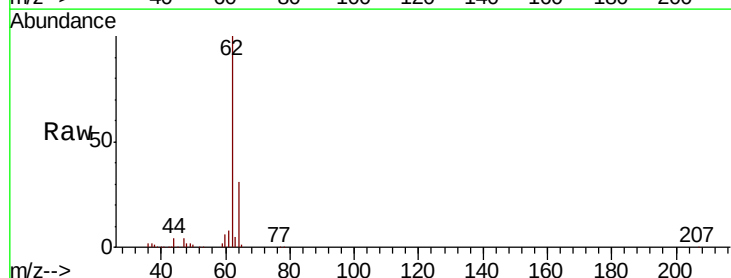
Acq: 15 Oct 2019 13:20

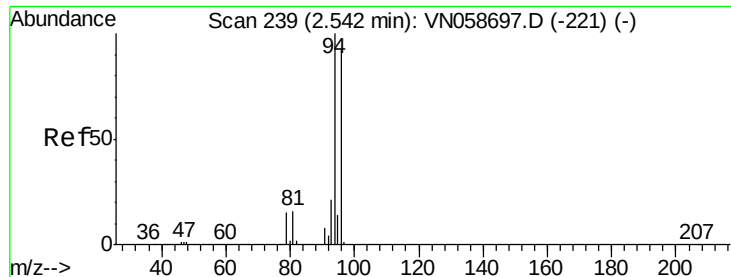
Tgt Ion: 62 Resp: 143397

Ion Ratio Lower Upper

62 100

64 30.8 25.3 37.9





#5

Bromomethane

Concen: 21.245 ug/l

RT: 2.54 min Scan# 240

Delta R.T. 0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

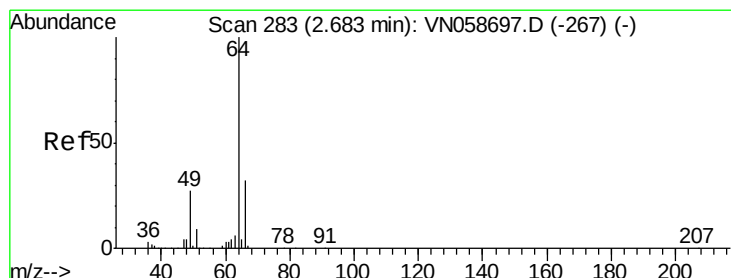
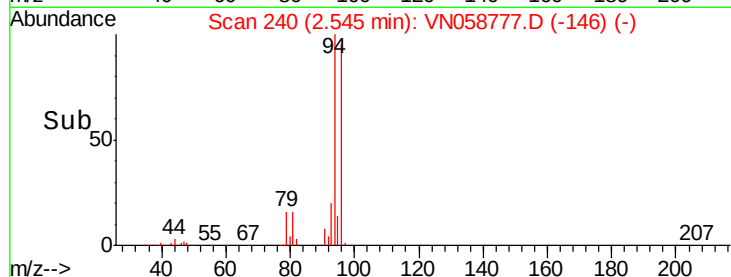
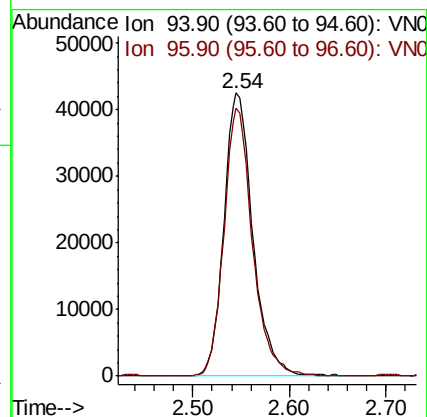
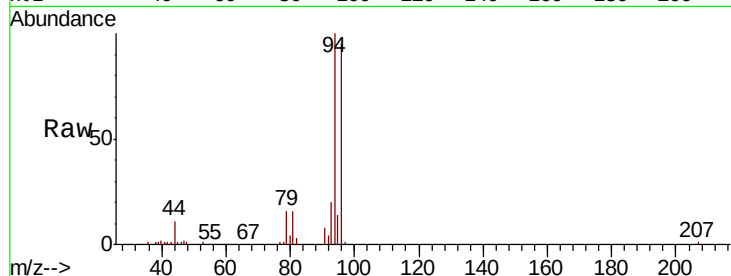
VN1015WBS01

Tot Ion: 94 Resp: 88301

Ion Ratio Lower Upper

94 100

96 94.8 74.5 111.7



#6

Chloroethane

Concen: 21.660 ug/l

RT: 2.68 min Scan# 283

Delta R.T. -0.00 min

Lab File: VN058777.D

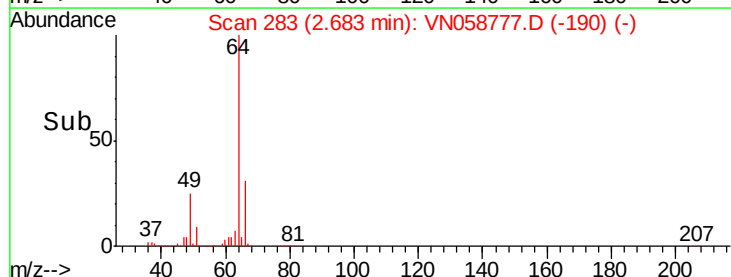
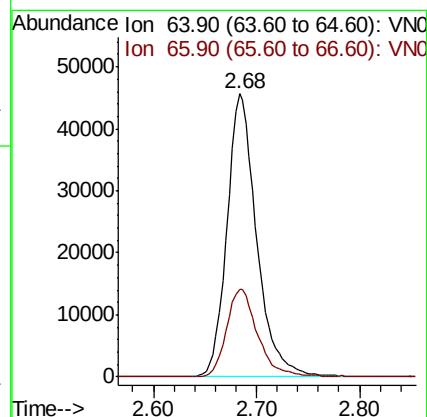
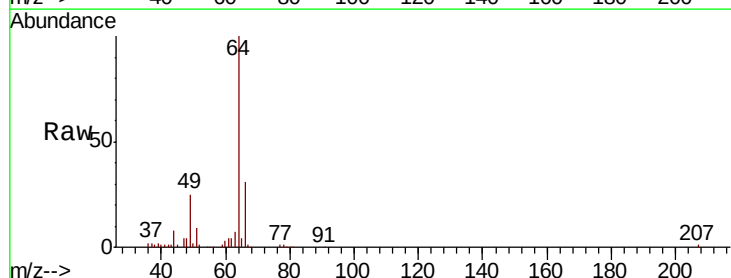
Acq: 15 Oct 2019 13:20

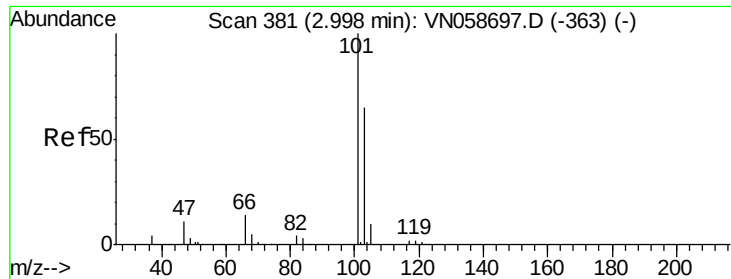
Tgt Ion: 64 Resp: 91282

Ion Ratio Lower Upper

64 100

66 30.8 25.4 38.2



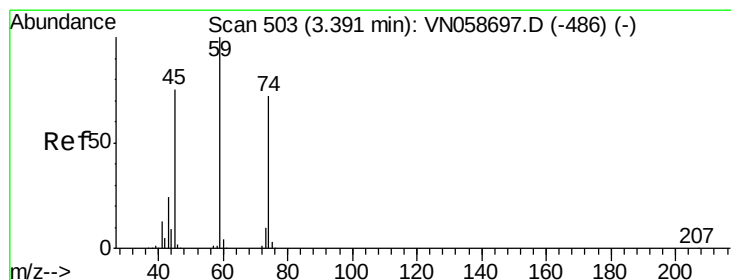
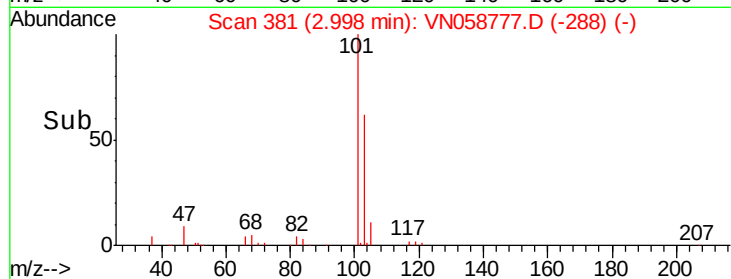
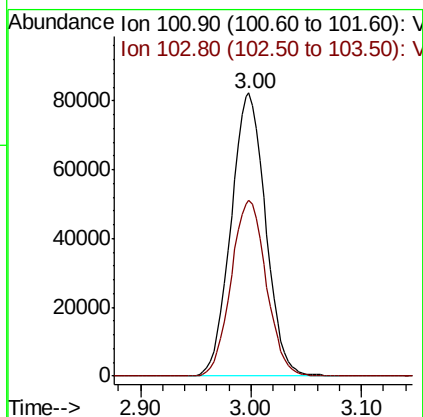
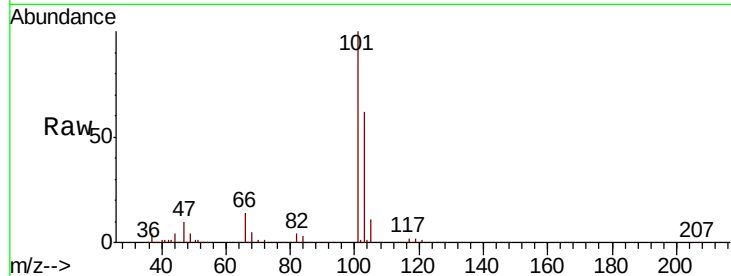


#7

Trichlorofluoromethane
Concen: 21.863 ug/l
RT: 3.00 min Scan# 381
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

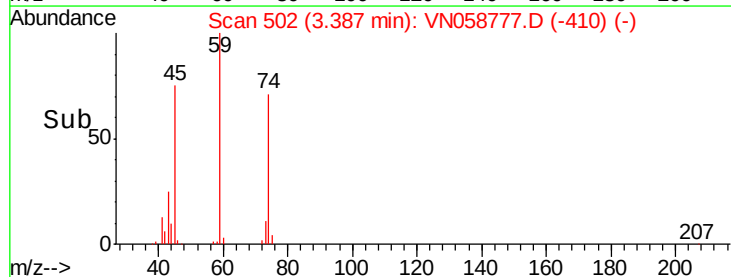
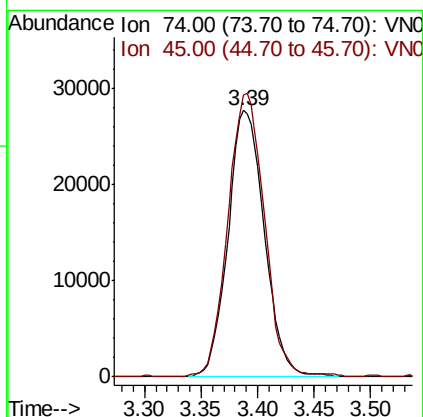
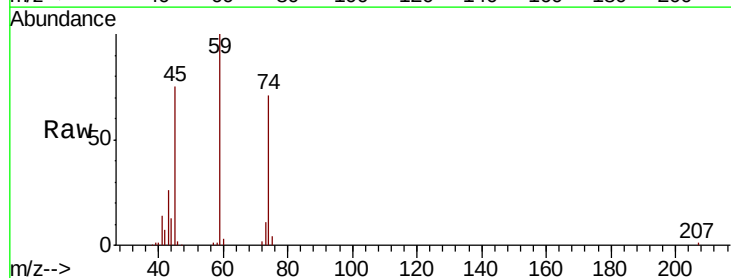
Tot Ion:101 Resp: 178771
Ion Ratio Lower Upper
101 100
103 62.1 51.8 77.6

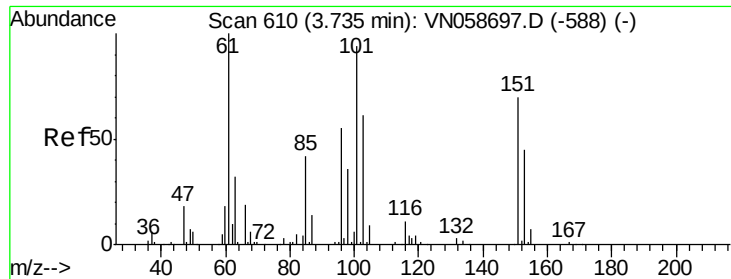


#8

Diethyl Ether
Concen: 20.566 ug/l
RT: 3.39 min Scan# 502
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 74 Resp: 62133
Ion Ratio Lower Upper
74 100
45 106.9 51.3 154.0





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.213 ug/l

RT: 3.74 min Scan# 611

Delta R.T. 0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

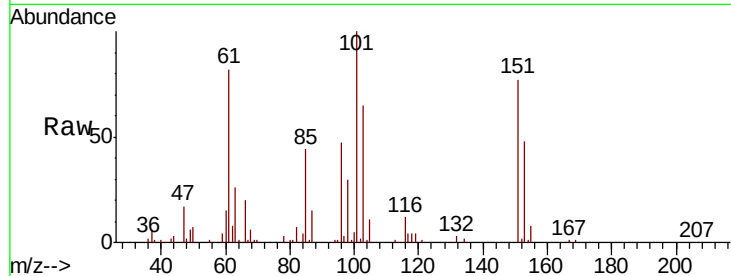
Tot Ion:101 Resp: 98904

Ion Ratio Lower Upper

101 100

85 45.6 37.0 55.6

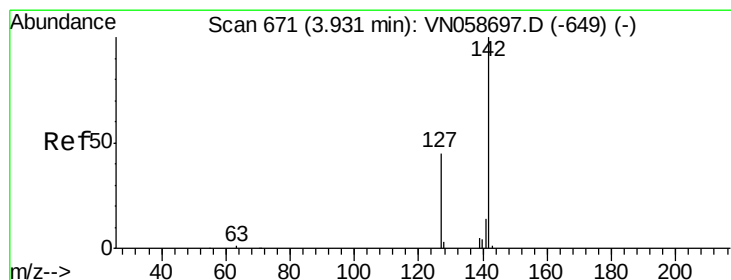
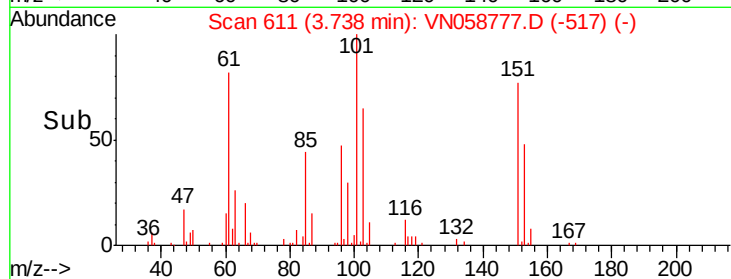
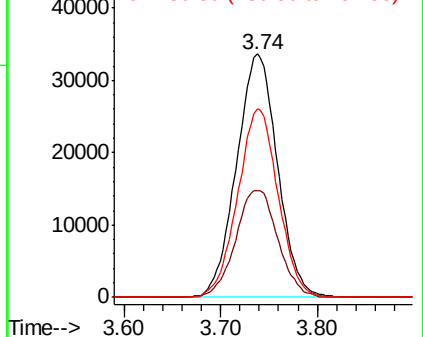
151 76.5 61.8 92.6



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.212 ug/l

RT: 3.93 min Scan# 671

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

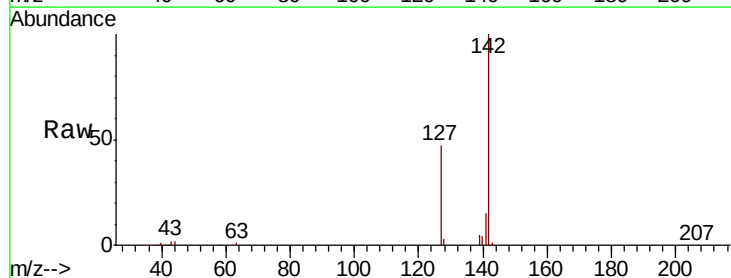
Tgt Ion:142 Resp: 128596

Ion Ratio Lower Upper

142 100

127 47.1 36.4 54.6

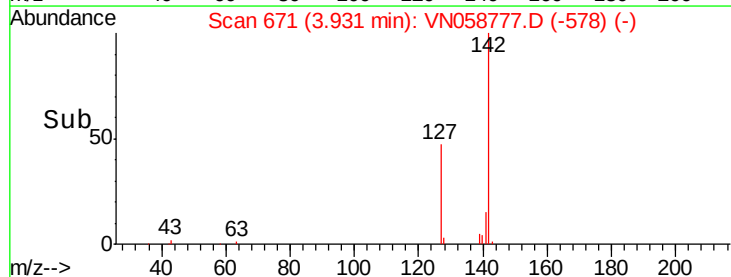
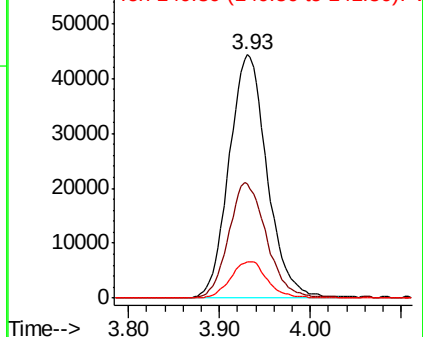
141 14.4 11.1 16.7

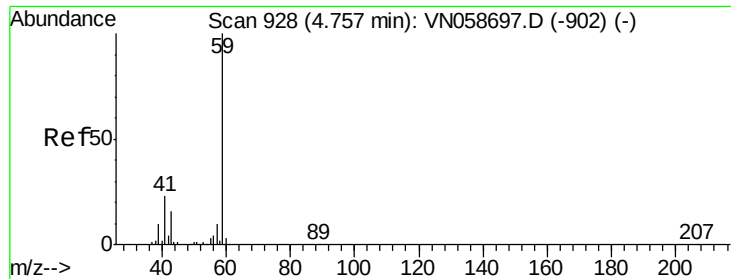


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



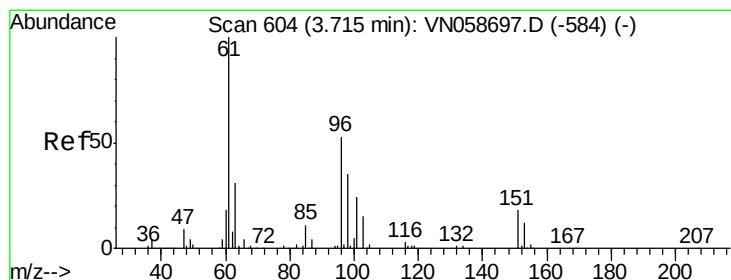
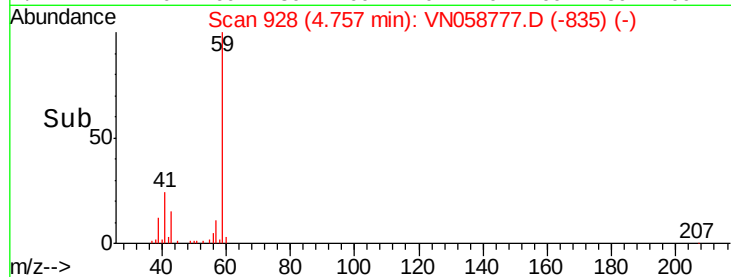
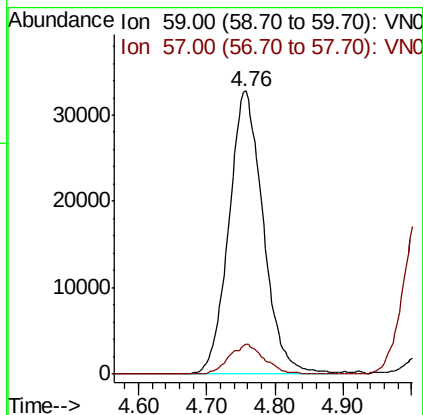
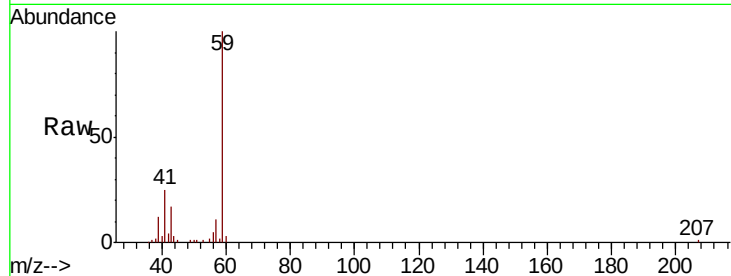


#11

Tert butyl alcohol
 Concen: 109.029 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

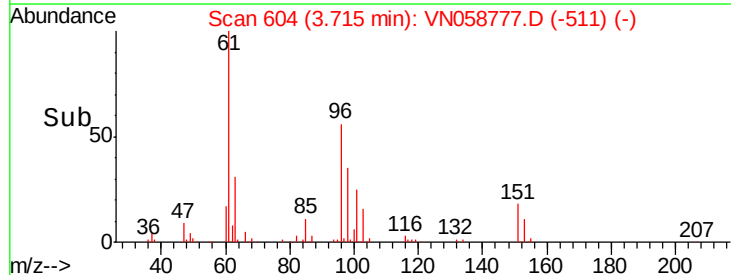
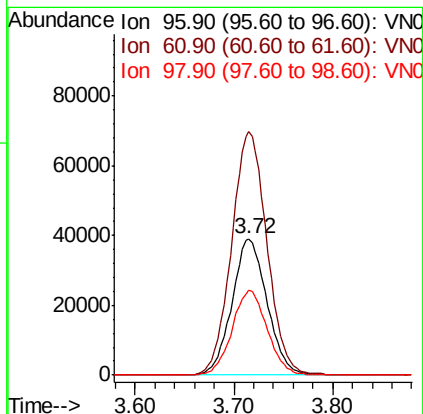
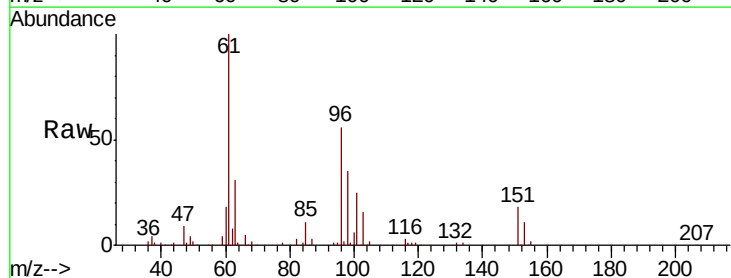
Tot Ion: 59 Resp: 114505
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.4 12.6

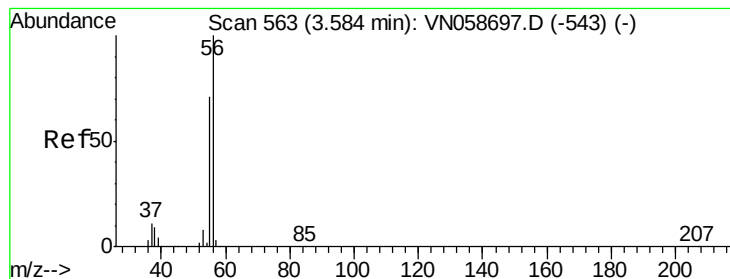


#12

1,1-Dichloroethene
 Concen: 21.736 ug/l
 RT: 3.72 min Scan# 604
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion: 96 Resp: 96689
 Ion Ratio Lower Upper
 96 100
 61 178.8 151.3 226.9
 98 61.9 52.6 78.8





#13

Acrolein

Concen: 79.511 ug/l

RT: 3.58 min Scan# 563

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

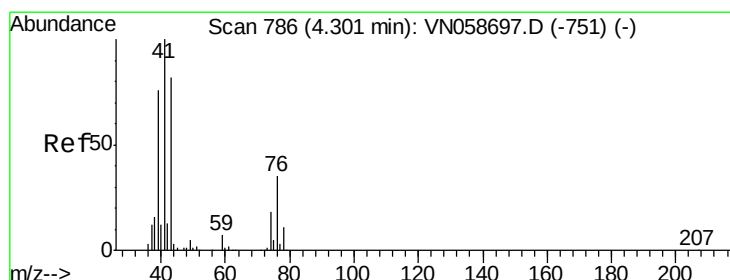
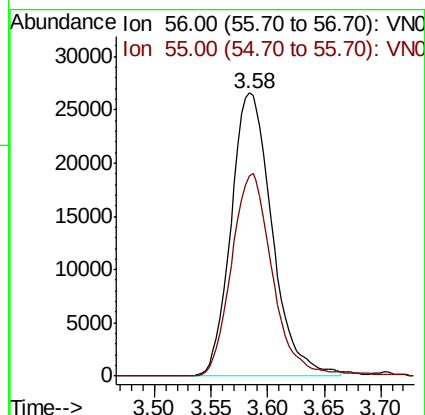
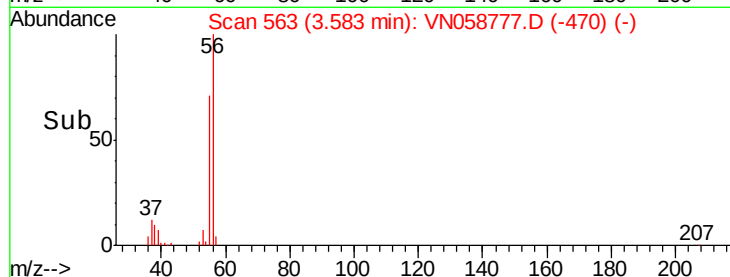
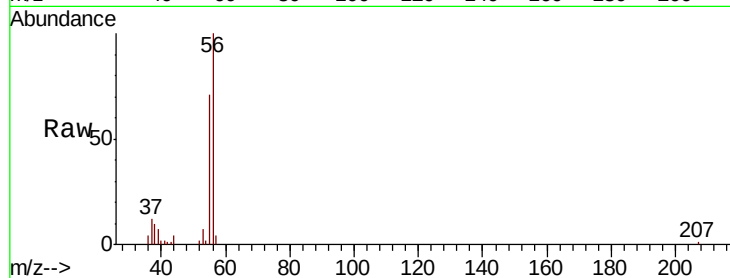
VN1015WBS01

Tot Ion: 56 Resp: 67159

Ion Ratio Lower Upper

56 100

55 71.1 56.7 85.1



#14

Allyl chloride

Concen: 20.961 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

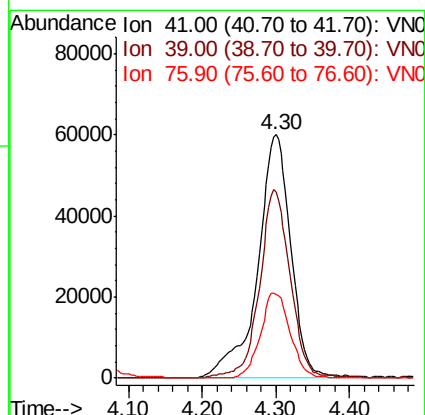
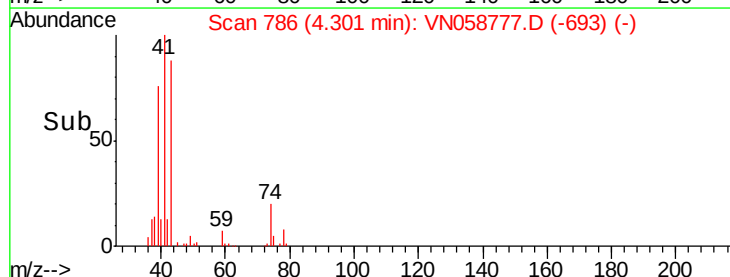
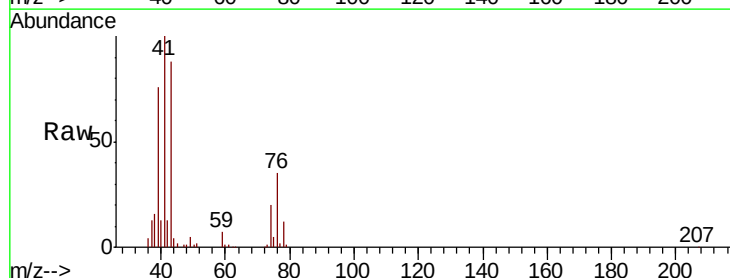
Tgt Ion: 41 Resp: 188175

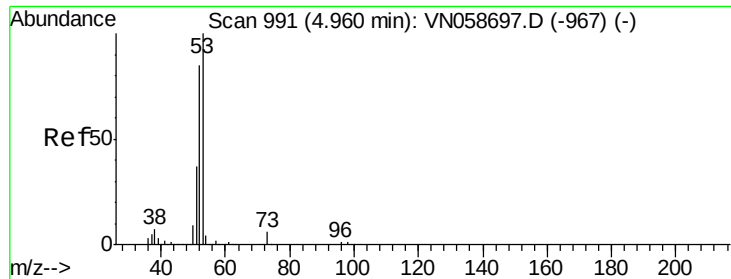
Ion Ratio Lower Upper

41 100

39 71.0 57.2 85.8

76 31.4 25.0 37.6





#15

Acrylonitrile

Concen: 110.783 ug/l

RT: 4.96 min Scan# 991

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

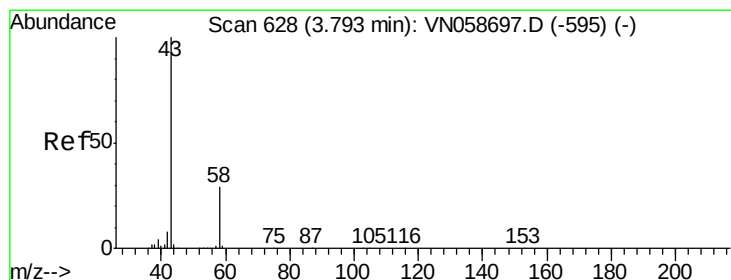
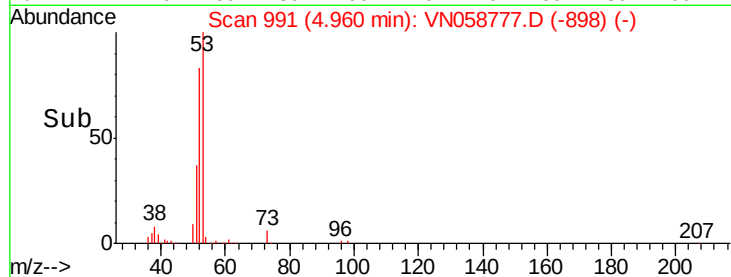
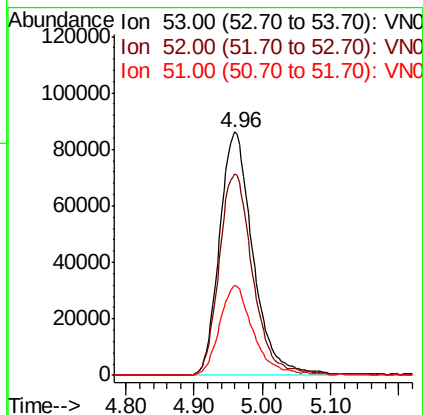
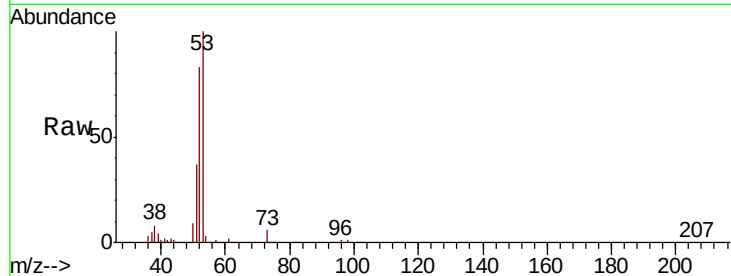
Tot Ion: 53 Resp: 293410

Ion Ratio Lower Upper

53 100

52 83.7 66.2 99.2

51 36.8 29.4 44.2



#16

Acetone

Concen: 118.262 ug/l

RT: 3.79 min Scan# 628

Delta R.T. -0.00 min

Lab File: VN058777.D

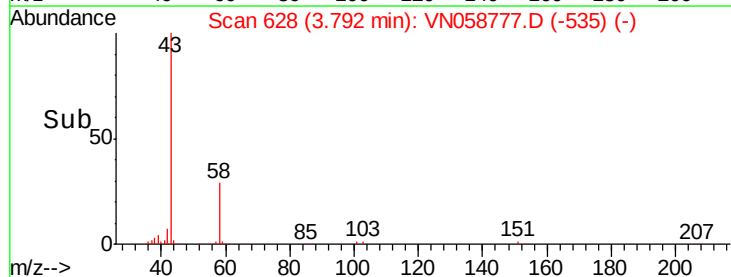
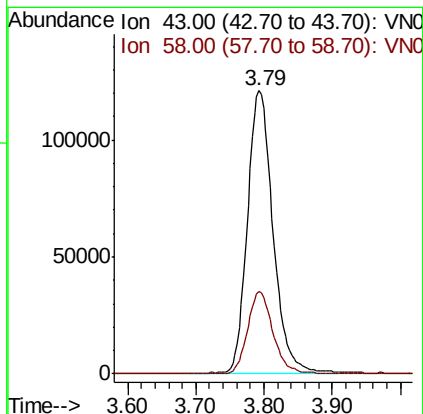
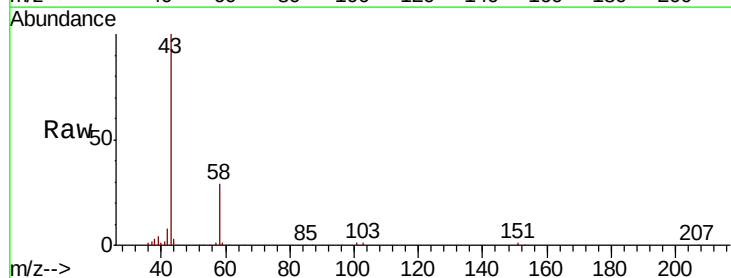
Acq: 15 Oct 2019 13:20

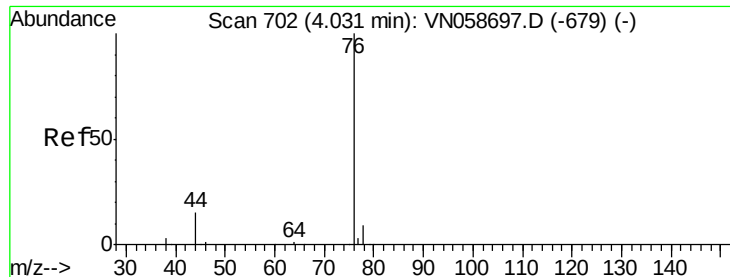
Tgt Ion: 43 Resp: 317495

Ion Ratio Lower Upper

43 100

58 29.1 23.3 34.9





#17

Carbon Disulfide

Concen: 20.241 ug/l

RT: 4.03 min Scan# 702

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

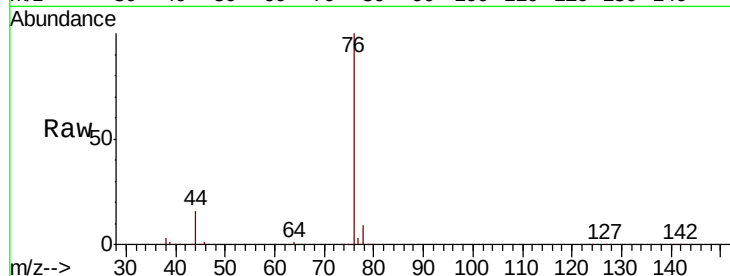
VN1015WBS01

Tot Ion: 76 Resp: 287814

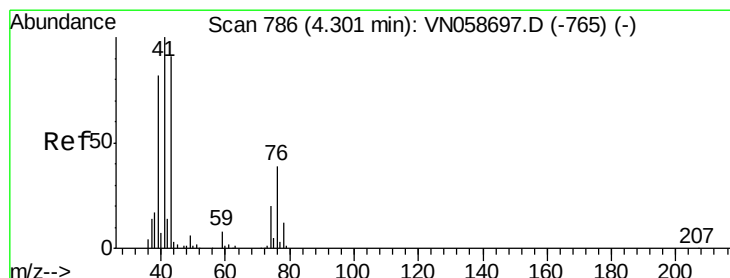
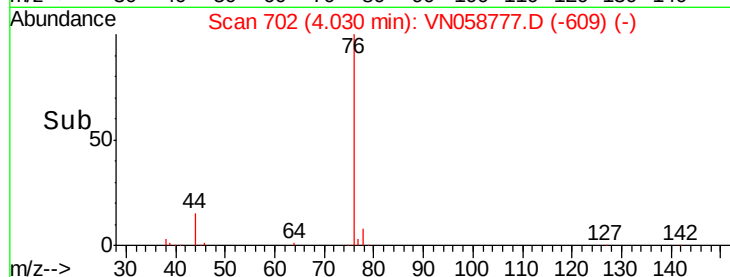
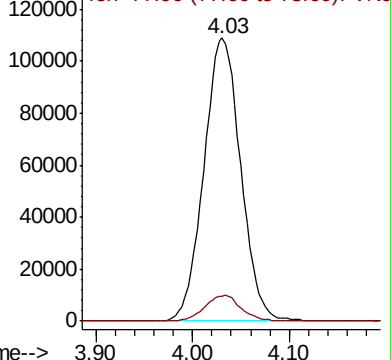
Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 75.90 (75.60 to 76.60): VNO
Ion 77.90 (77.60 to 78.60): VNO



#18

Methyl Acetate

Concen: 21.804 ug/l

RT: 4.30 min Scan# 786

Delta R.T. -0.00 min

Lab File: VN058777.D

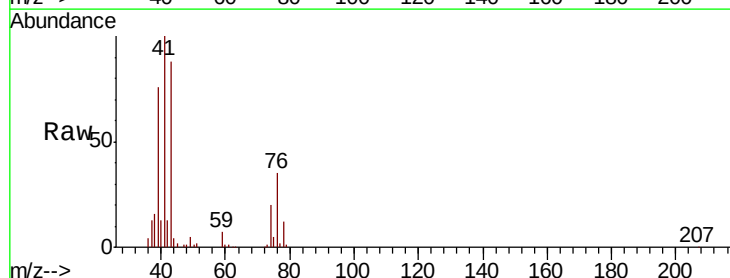
Acq: 15 Oct 2019 13:20

Tgt Ion: 43 Resp: 148483

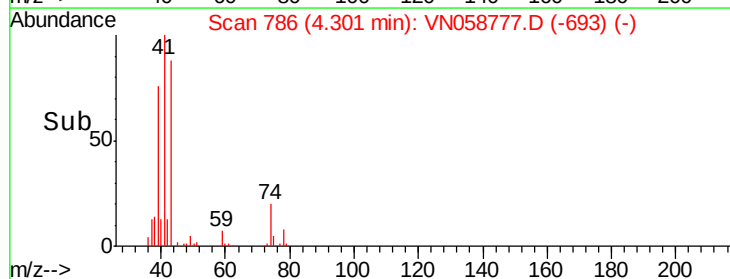
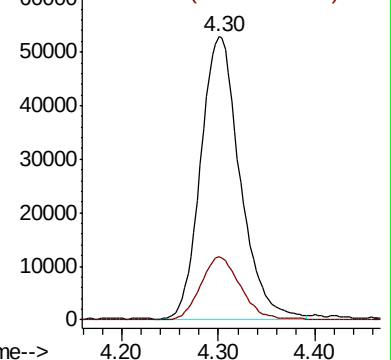
Ion Ratio Lower Upper

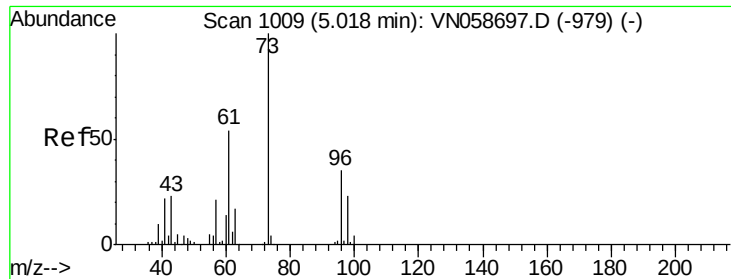
43 100

74 22.9 17.2 25.8



Abundance Ion 43.00 (42.70 to 43.70): VNO
Ion 74.00 (73.70 to 74.70): VNO

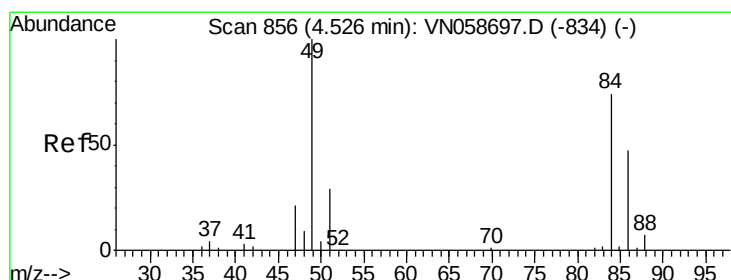
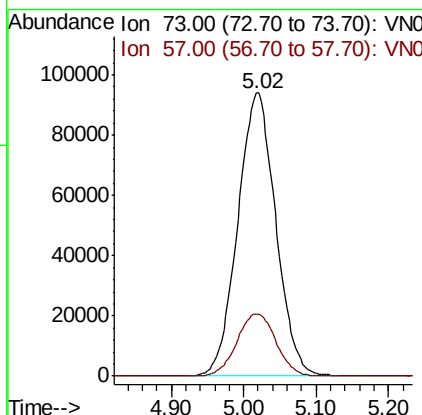
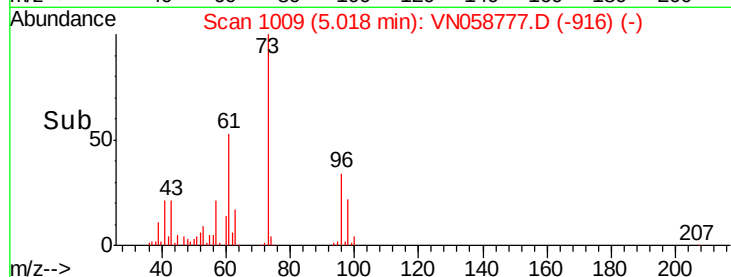
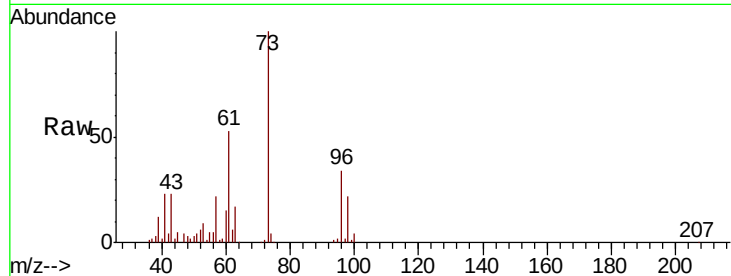




#19
Methvl tert-butyl Ether
Concen: 21.547 ug/l
RT: 5.02 min Scan# 1009
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

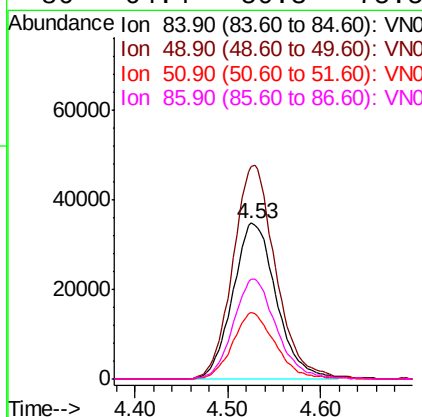
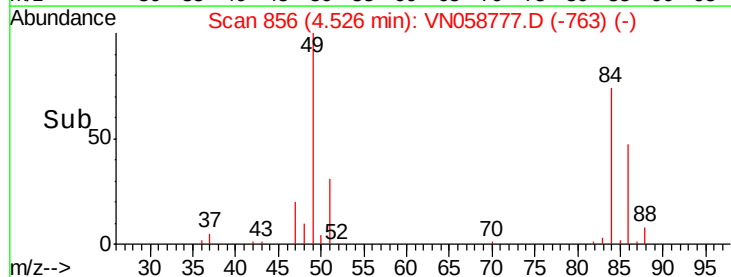
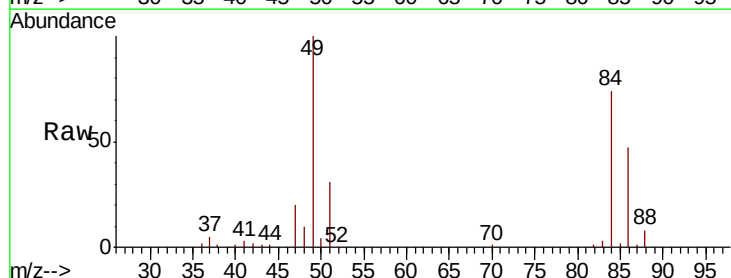
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

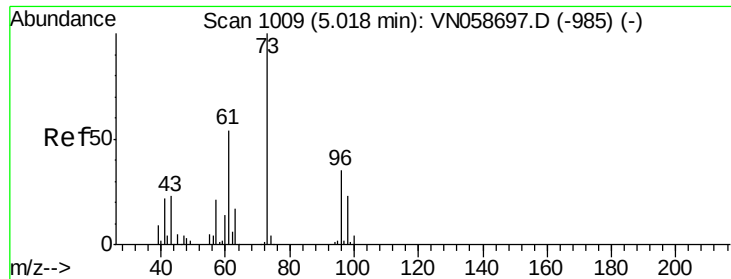
Tot Ion: 73 Resp: 342260
Ion Ratio Lower Upper
73 100
57 22.0 17.0 25.6



#20
Methylene Chloride
Concen: 20.177 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 84 Resp: 113208
Ion Ratio Lower Upper
84 100
49 135.8 107.6 161.4
51 42.7 31.4 47.0
86 64.4 50.3 75.5





#21

trans-1,2-Dichloroethene

Concen: 21.075 ug/l

RT: 5.01 min Scan# 1008

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

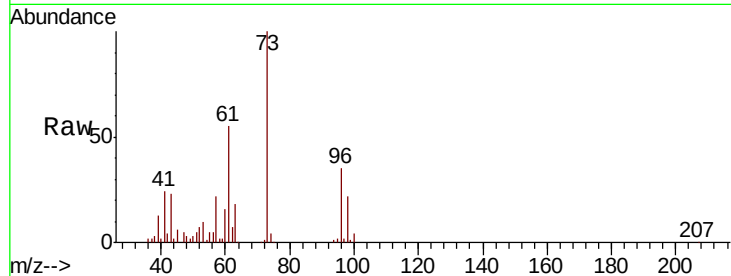
Tot Ion: 96 Resp: 104866

Ion Ratio Lower Upper

96 100

61 154.3 123.6 185.4

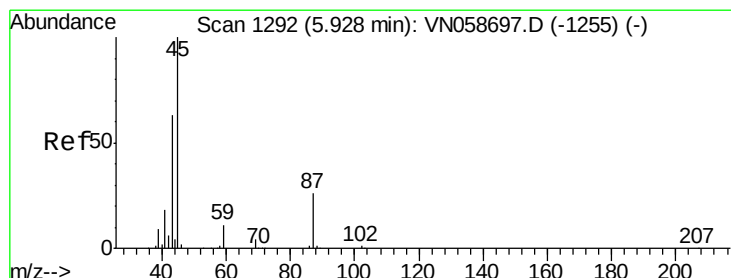
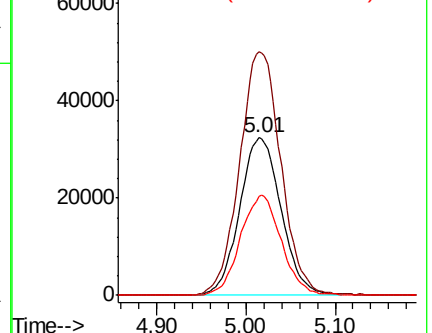
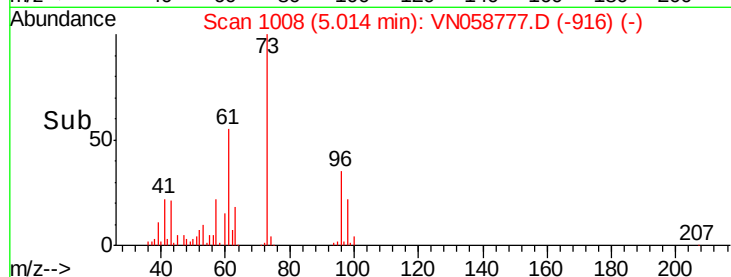
98 62.4 52.1 78.1



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 21.904 ug/l

RT: 5.93 min Scan# 1292

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion: 45 Resp: 382332

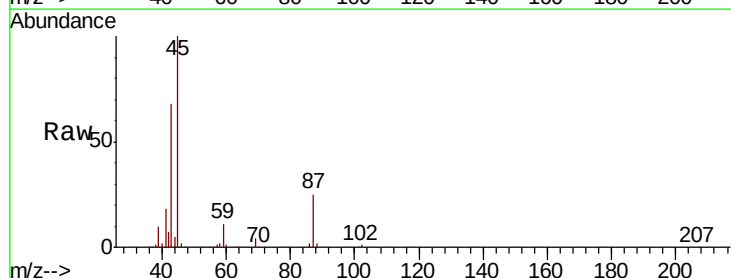
Ion Ratio Lower Upper

45 100

43 66.6 50.6 75.8

87 25.5 21.1 31.7

59 10.9 9.0 13.4

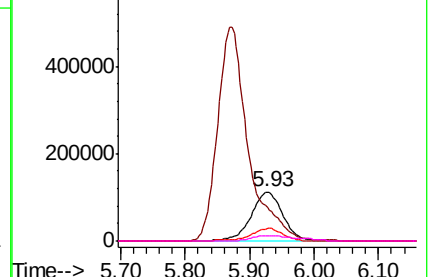
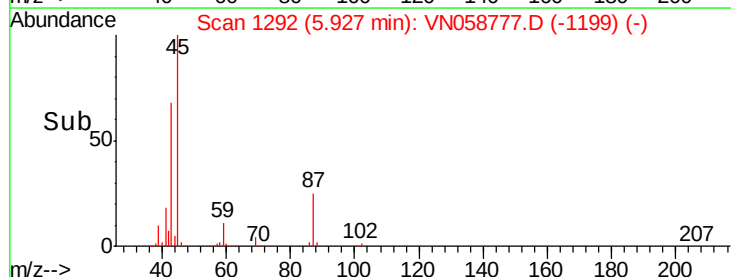


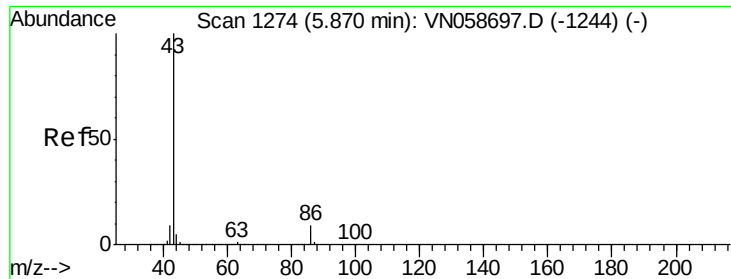
Abundance Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 115.265 ug/l

RT: 5.87 min Scan# 1274

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampled :

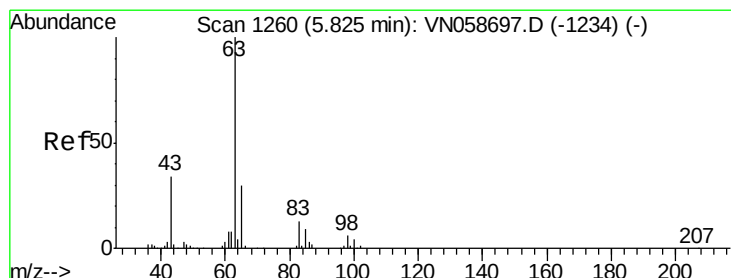
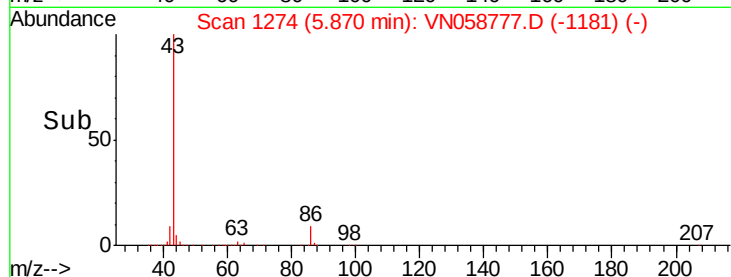
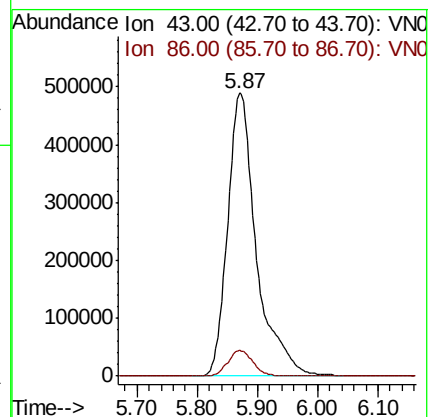
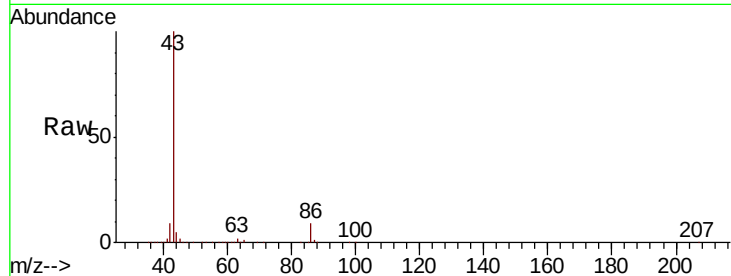
VN1015WBS01

Tot Ion: 43 Resp: 1623419

Ion Ratio Lower Upper

43 100

86 9.0 7.4 11.0



#24

1,1-Dichloroethane

Concen: 21.643 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

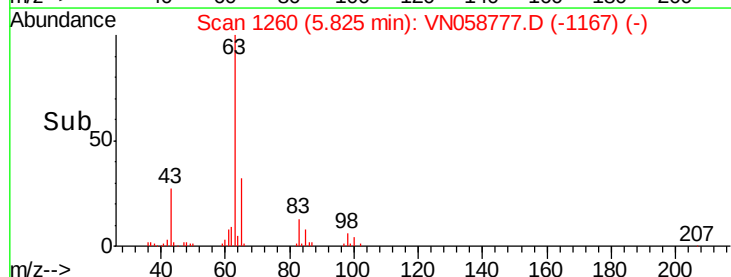
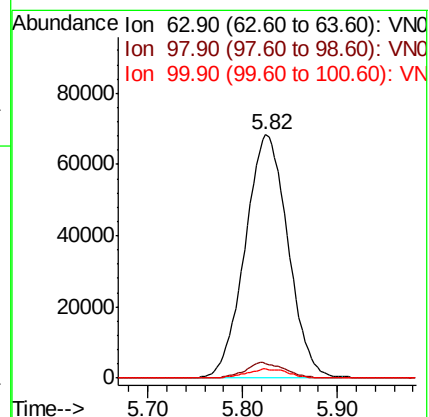
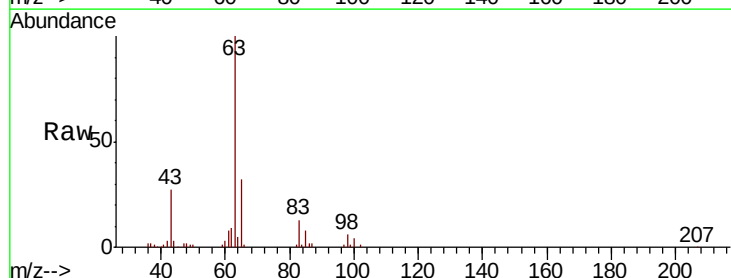
Tgt Ion: 63 Resp: 215156

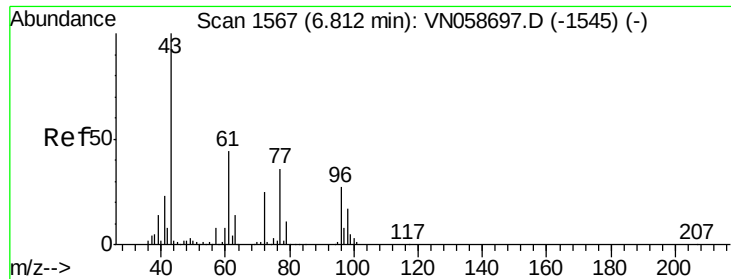
Ion Ratio Lower Upper

63 100

98 6.1 2.9 8.6

100 3.7 1.8 5.5





#25

2-Butanone

Concen: 111.641 ug/l

RT: 6.81 min Scan# 1567

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

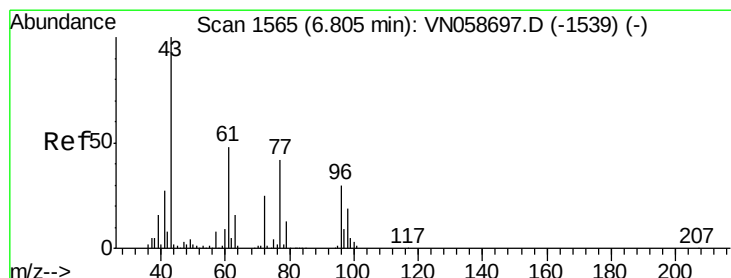
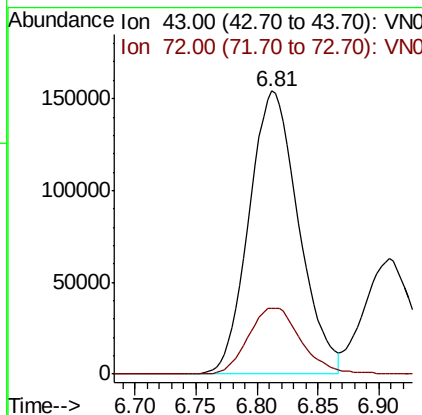
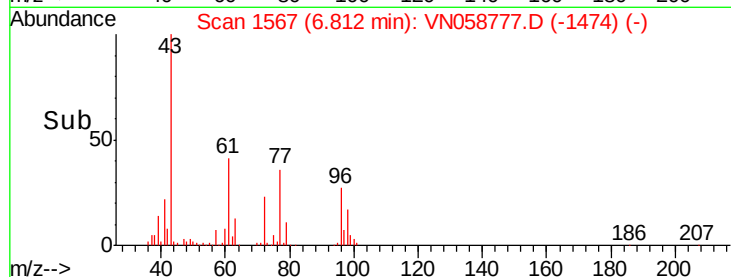
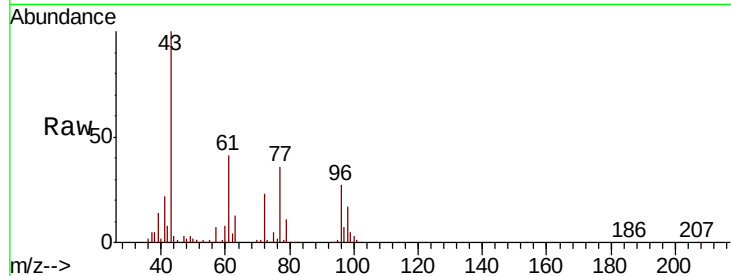
VN1015WBS01

Tot Ion: 43 Resp: 433213

Ion Ratio Lower Upper

43 100

72 23.3 20.2 30.2



#26

2,2-Dichloropropane

Concen: 20.961 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. -0.00 min

Lab File: VN058777.D

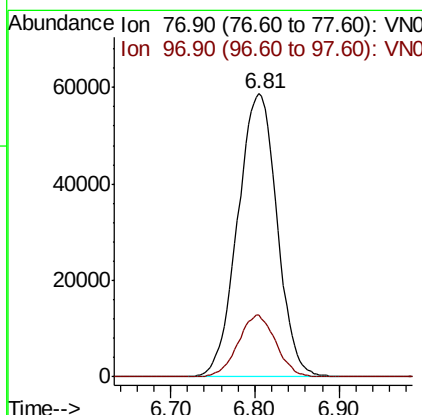
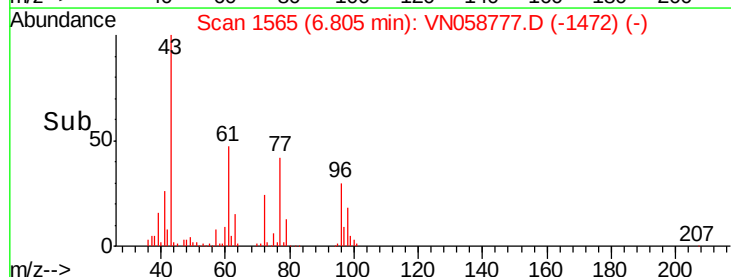
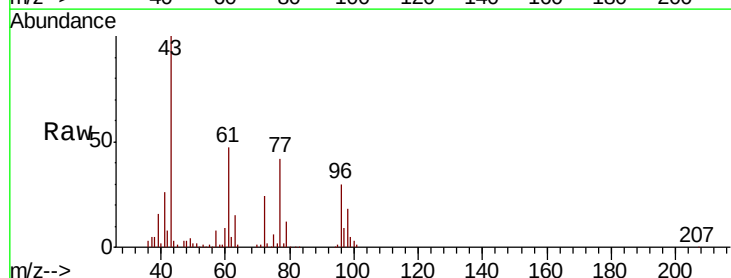
Acq: 15 Oct 2019 13:20

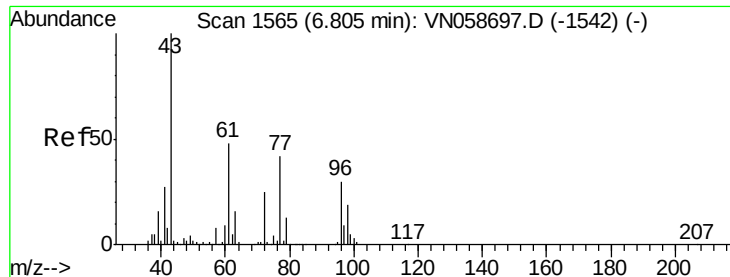
Tgt Ion: 77 Resp: 190207

Ion Ratio Lower Upper

77 100

97 20.9 10.7 31.9





#27

cis-1,2-Dichloroethene

Concen: 20.732 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

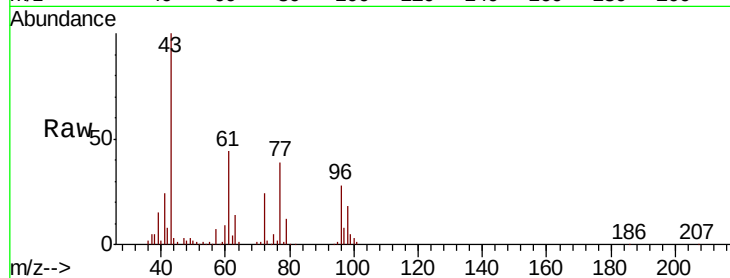
Tot Ion: 96 Resp: 120297

Ion Ratio Lower Upper

96 100

61 162.7 0.0 324.8

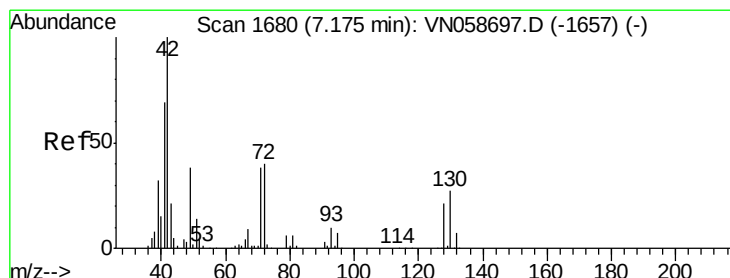
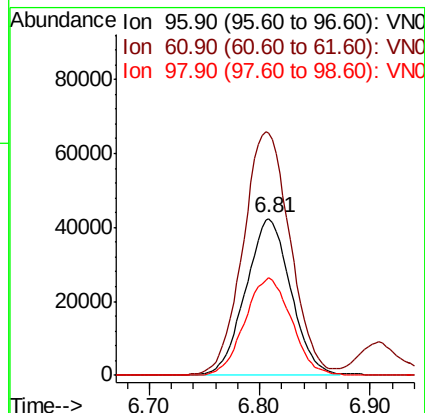
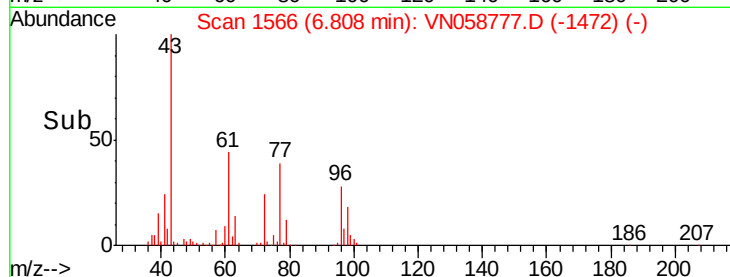
98 64.2 0.0 129.2



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 21.773 ug/l

RT: 7.17 min Scan# 1680

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

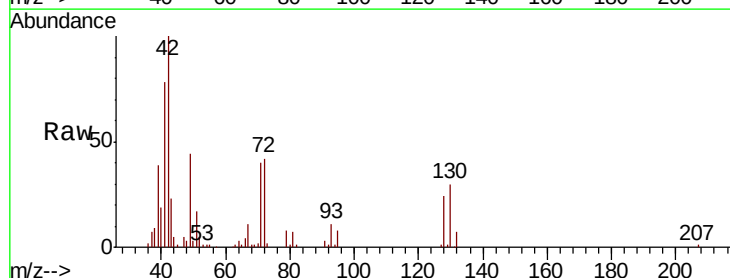
Tgt Ion: 49 Resp: 75301

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.6

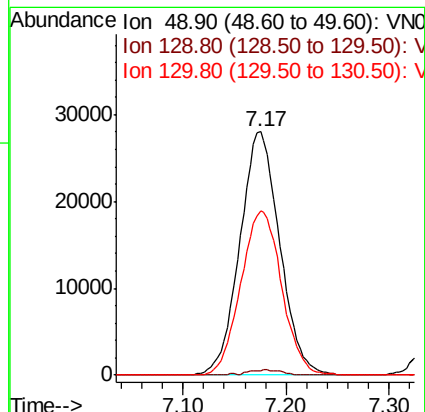
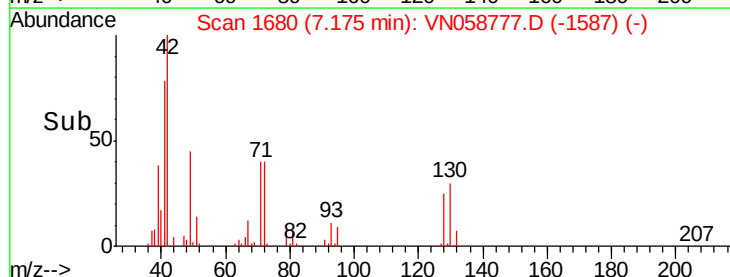
130 69.0 55.0 82.4

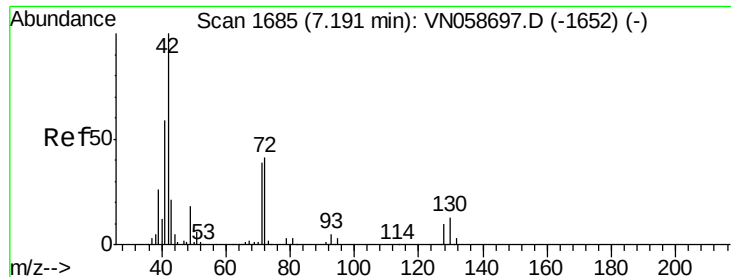


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

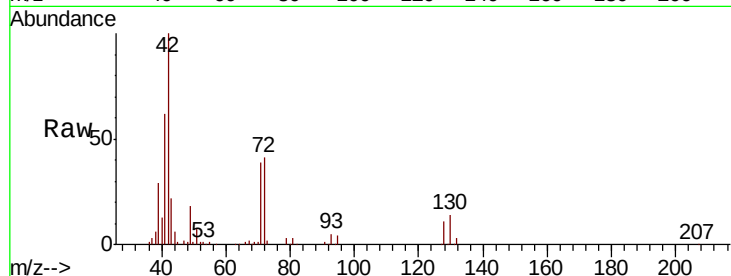




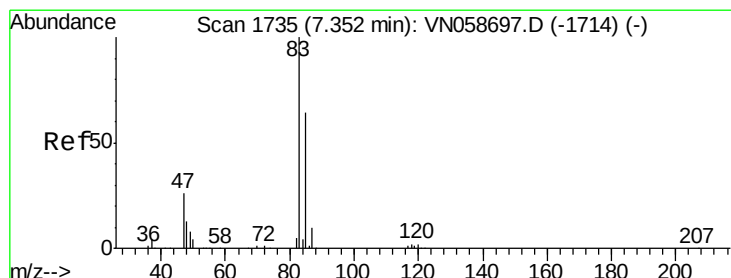
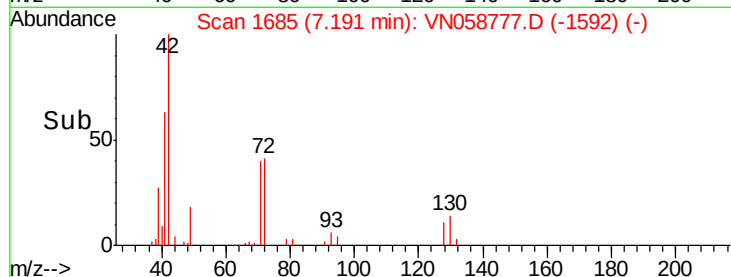
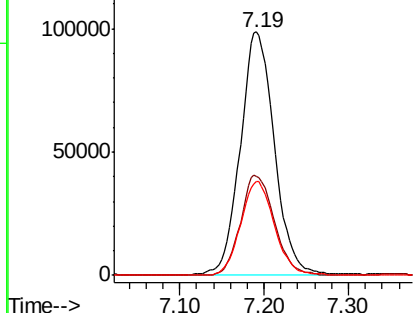
#29
Tetrahydrofuran
Concen: 109.704 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion: 42 Resp: 275098
Ion Ratio Lower Upper
42 100
72 41.1 32.8 49.2
71 38.6 31.1 46.7

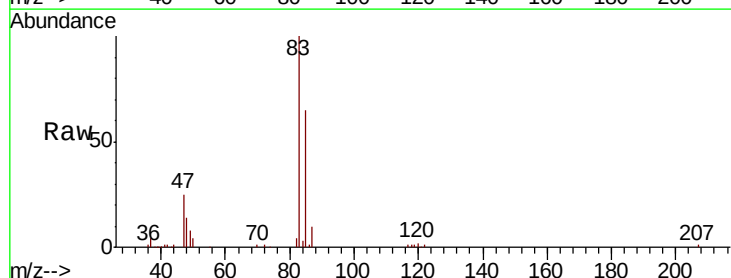


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

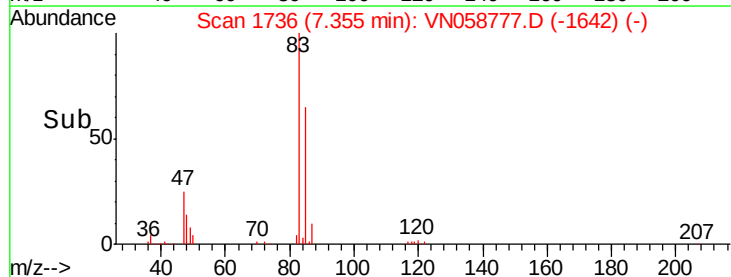
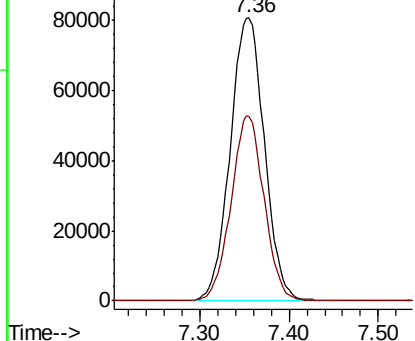


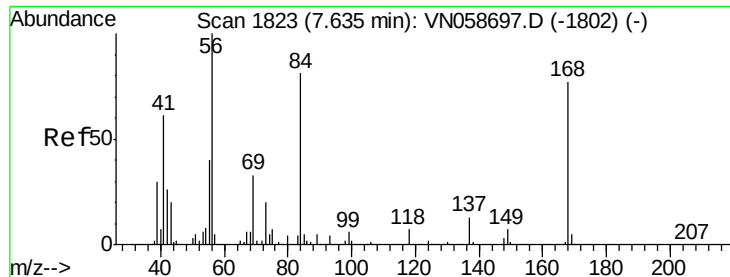
#30
Chloroform
Concen: 21.504 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. 0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 83 Resp: 214778
Ion Ratio Lower Upper
83 100
85 65.2 51.0 76.6



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

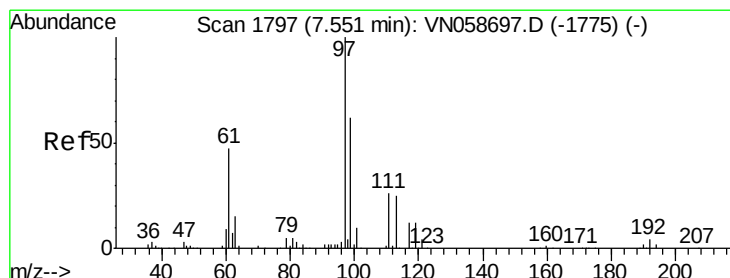
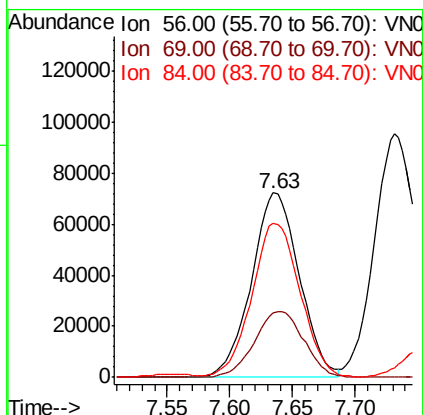
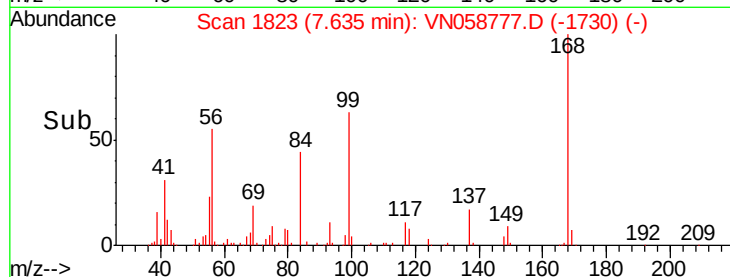
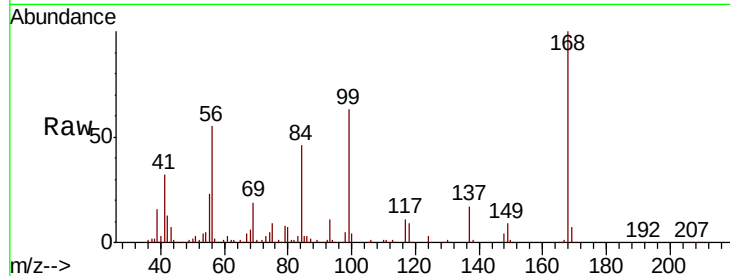




#31
Cyclohexane
Concen: 20.158 ug/l
RT: 7.63 min Scan# 1823
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

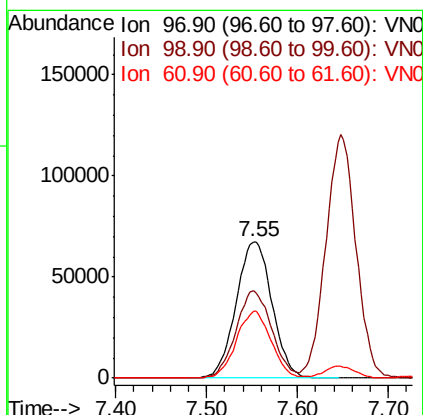
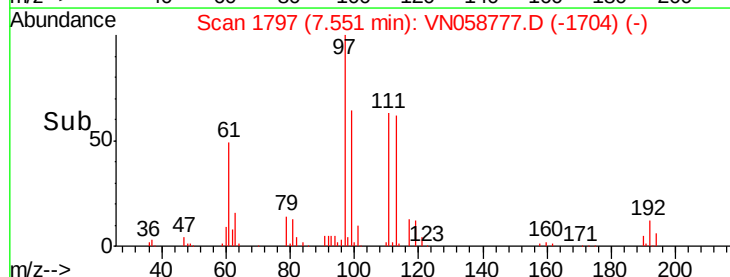
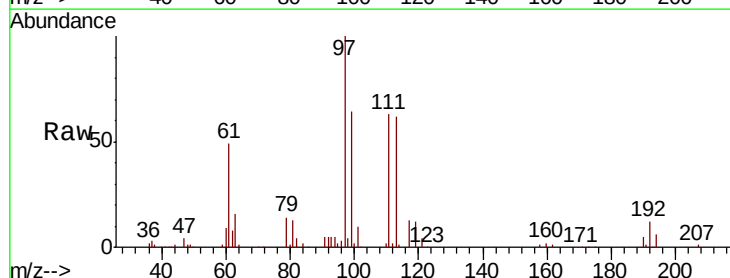
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

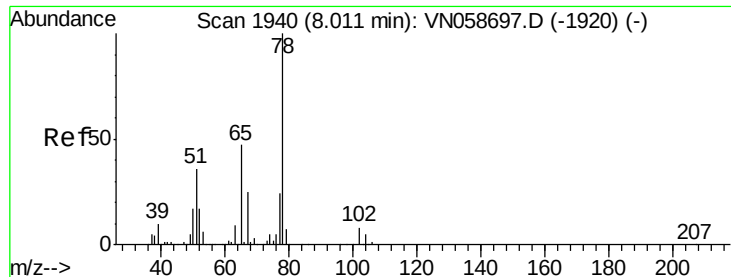
Tot Ion: 56 Resp: 191740
Ion Ratio Lower Upper
56 100
69 35.1 26.2 39.4
84 82.5 64.9 97.3



#32
1,1,1-Trichloroethane
Concen: 21.692 ug/l
RT: 7.55 min Scan# 1797
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 97 Resp: 184771
Ion Ratio Lower Upper
97 100
99 63.6 50.8 76.2
61 47.4 38.1 57.1

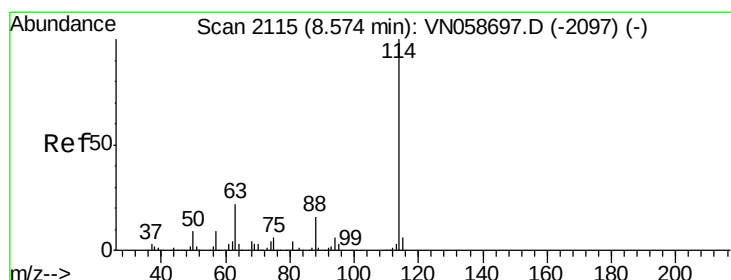
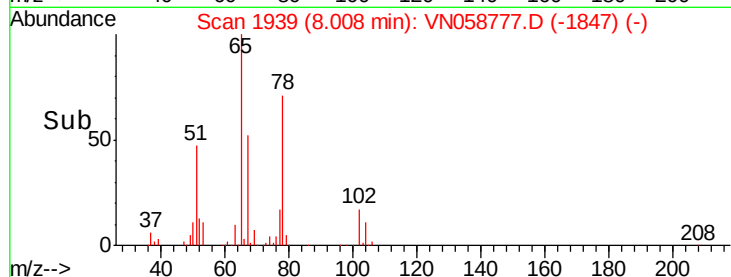
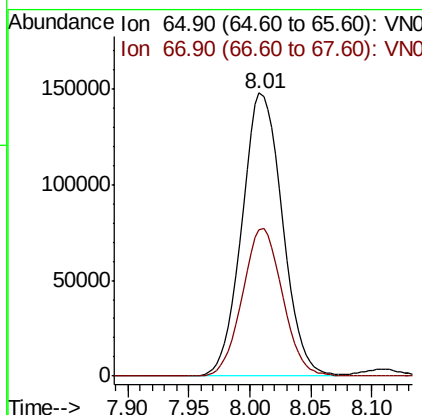
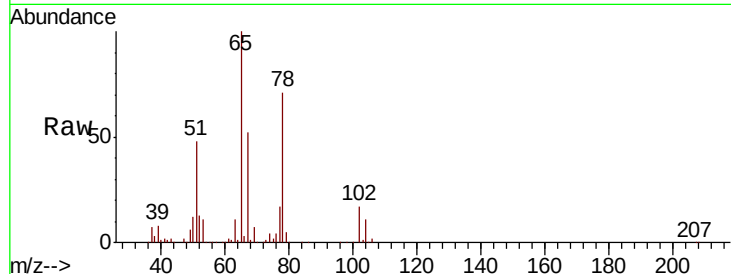




#33
 1,2-Dichloroethane-d4
 Concen: 52.286 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

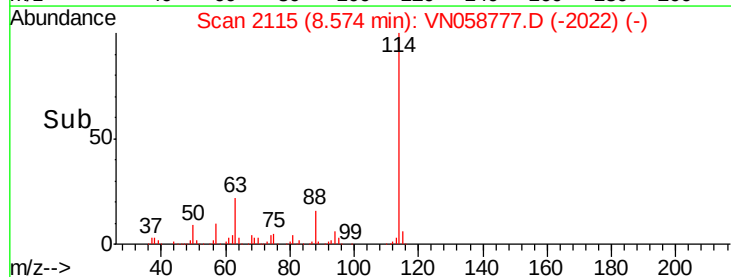
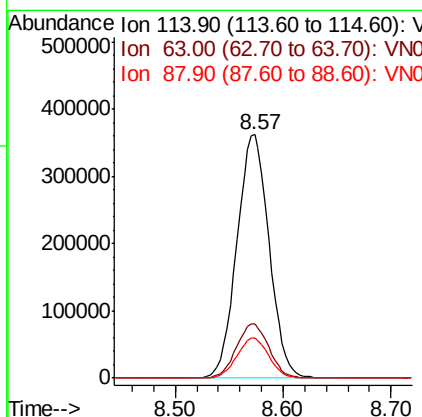
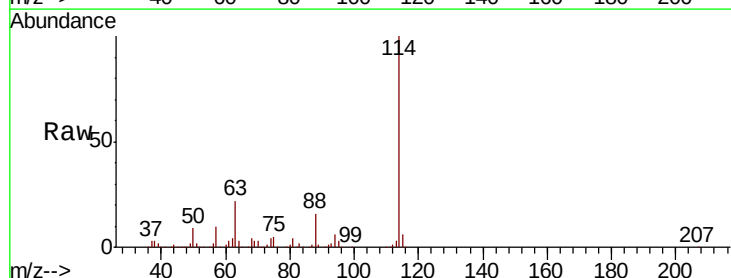
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

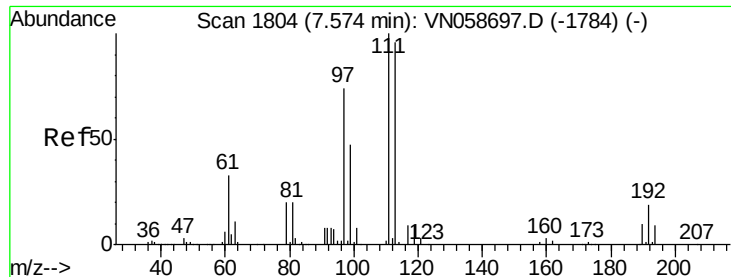
Tot Ion: 65 Resp: 339065
 Ion Ratio Lower Upper
 65 100
 67 51.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion: 114 Resp: 748166
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 43.8
 88 16.3 0.0 32.0

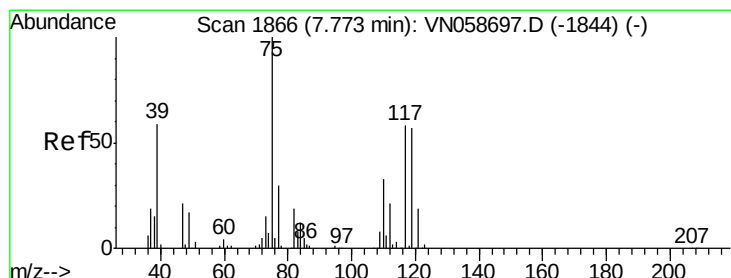
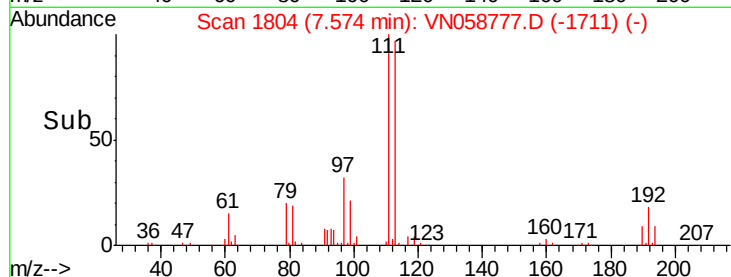
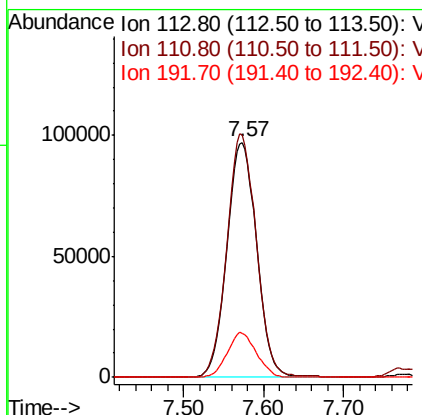
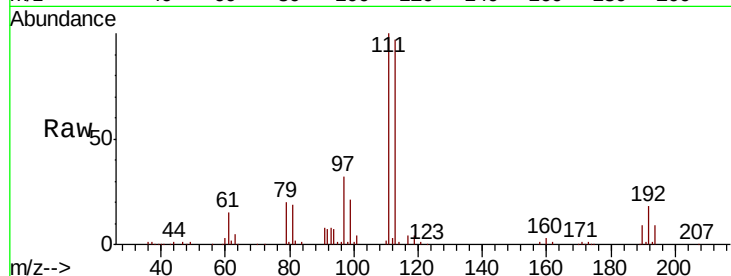




#35
 Dibromofluoromethane
 Concen: 53.149 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

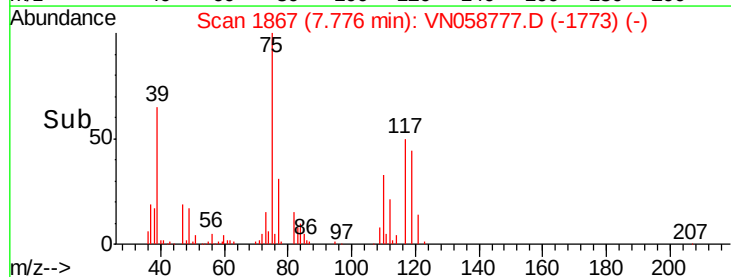
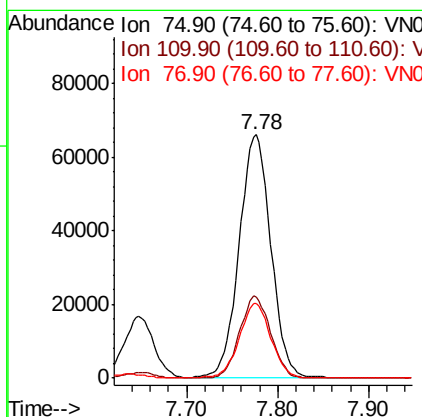
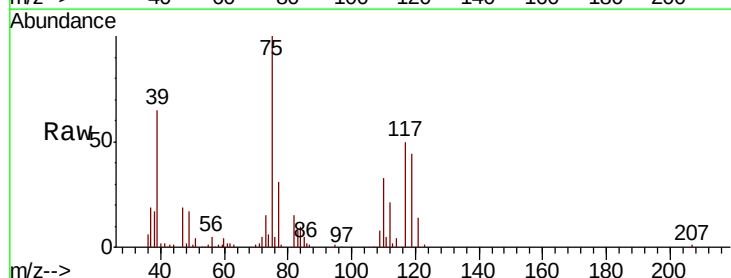
Instrument :
 MSVOA_N
 ClientSampled :
 VN1015WBS01

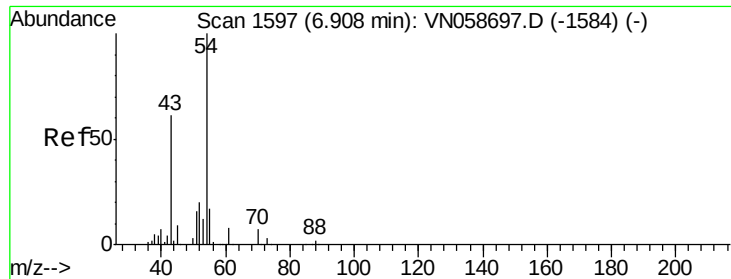
Tot Ion:113 Resp: 245614
 Ion Ratio Lower Upper
 113 100
 111 101.9 82.3 123.5
 192 18.6 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 21.227 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion: 75 Resp: 160568
 Ion Ratio Lower Upper
 75 100
 110 32.8 16.6 49.8
 77 30.6 24.6 37.0

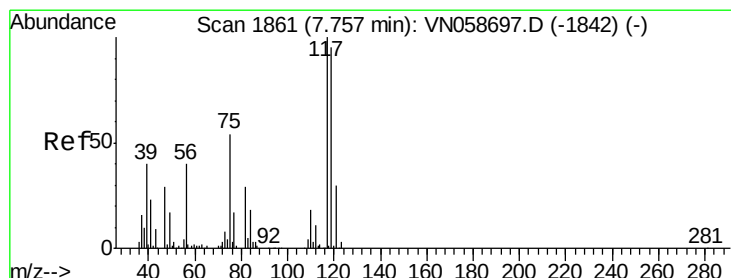
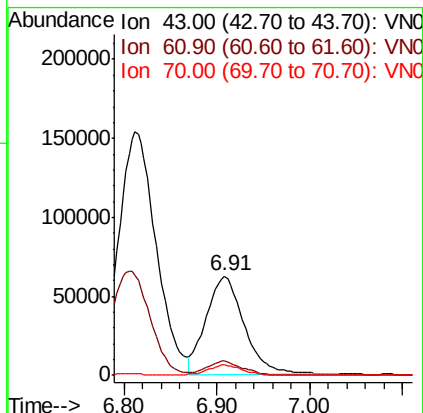
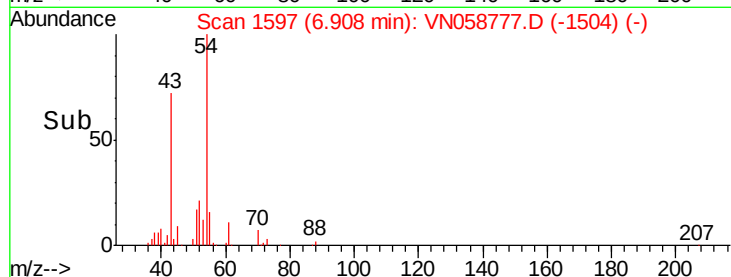
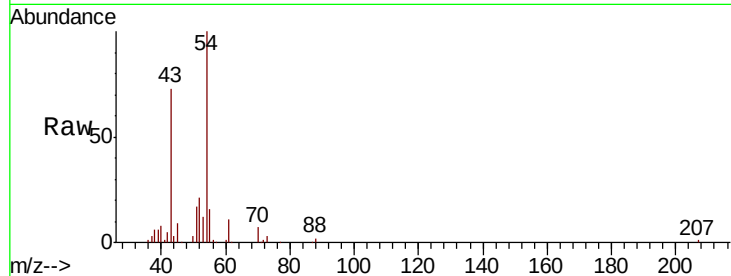




#37
Ethyl Acetate
Concen: 23.216 ug/l
RT: 6.91 min Scan# 1597
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

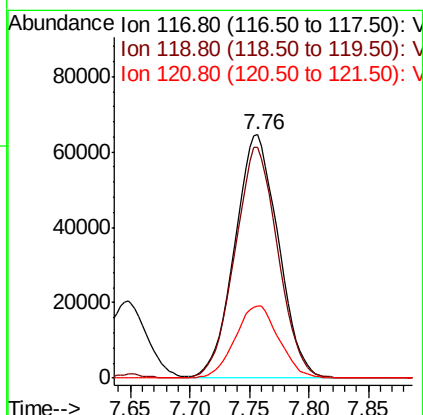
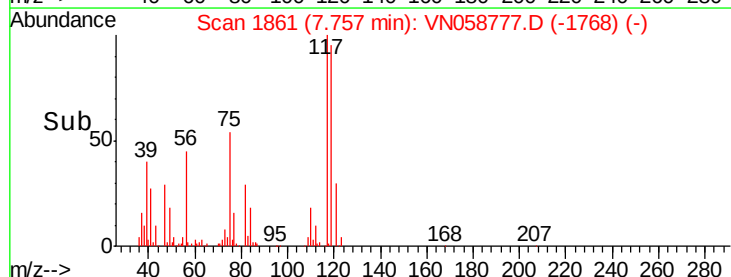
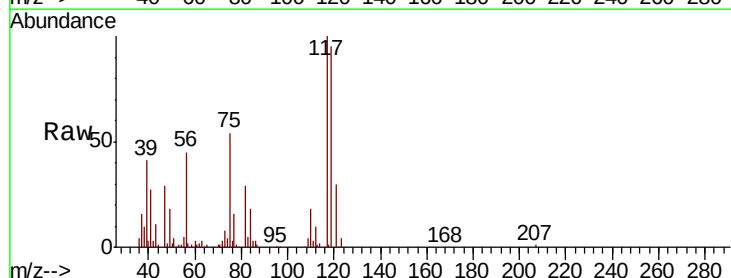
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

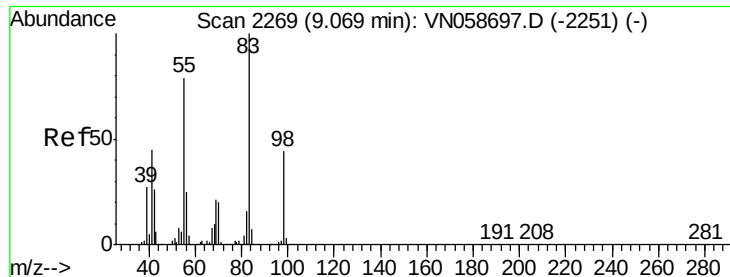
Tot Ion: 43 Resp: 177605
Ion Ratio Lower Upper
43 100
61 13.2 11.3 16.9
70 9.5 7.2 10.8



#38
Carbon Tetrachloride
Concen: 22.199 ug/l
RT: 7.76 min Scan# 1861
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 117 Resp: 163660
Ion Ratio Lower Upper
117 100
119 94.5 75.7 113.5
121 29.6 23.9 35.9

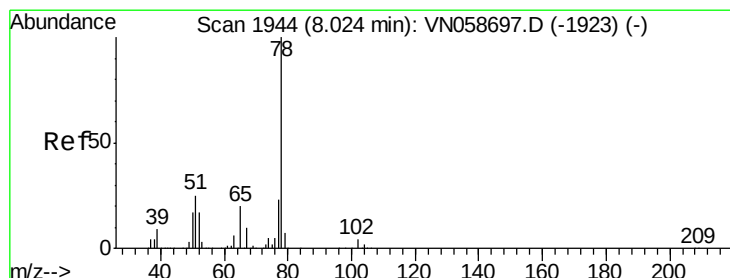
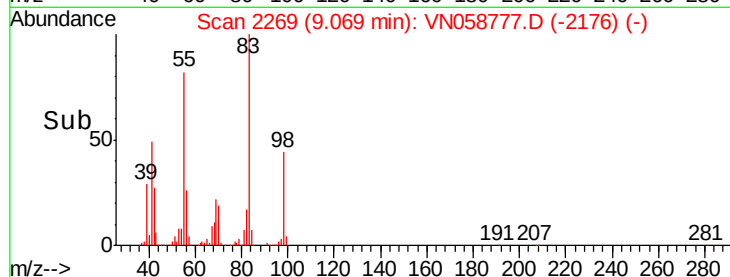
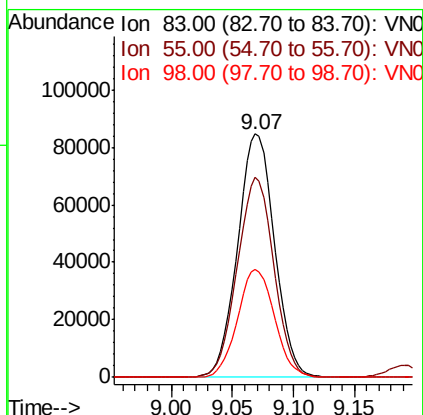
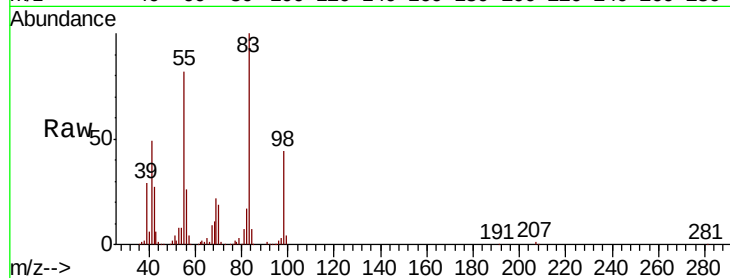




#39
Methylvlcyclohexane
Concen: 20.183 ug/l
RT: 9.07 min Scan# 2269
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

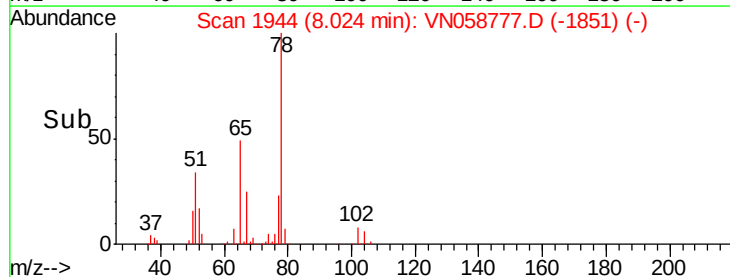
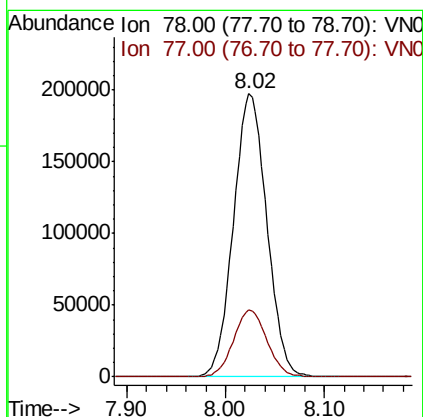
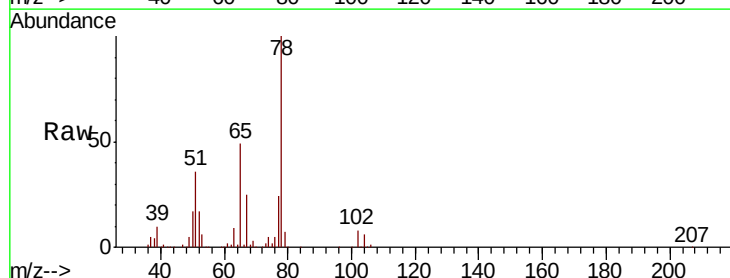
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

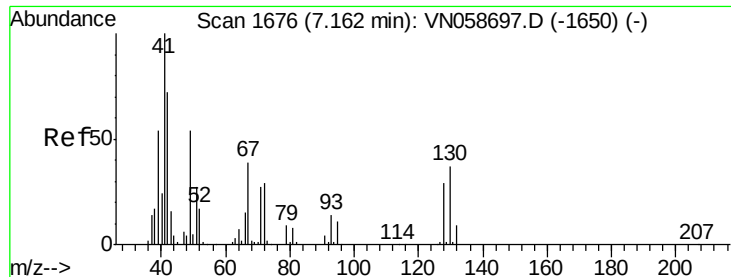
Tot Ion: 83 Resp: 177160
Ion Ratio Lower Upper
83 100
55 82.4 63.4 95.0
98 44.5 35.1 52.7



#40
Benzene
Concen: 21.274 ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion: 78 Resp: 462182
Ion Ratio Lower Upper
78 100
77 23.7 18.8 28.2

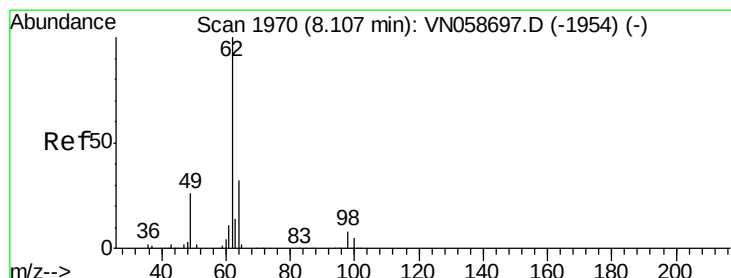
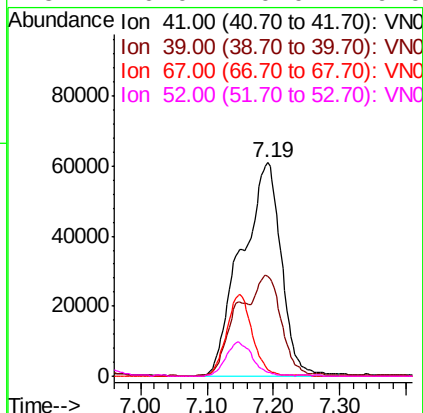
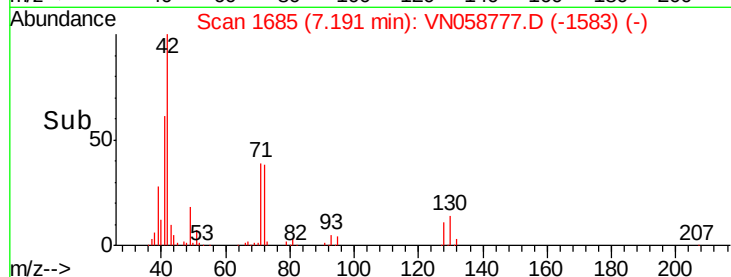
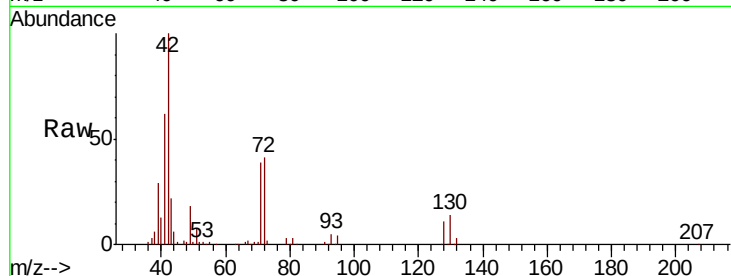




#41
Methacrylonitrile
Concen: 71.459 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

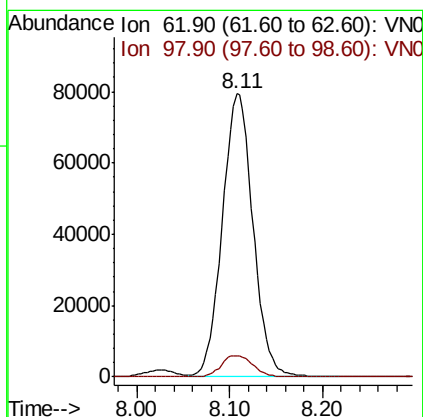
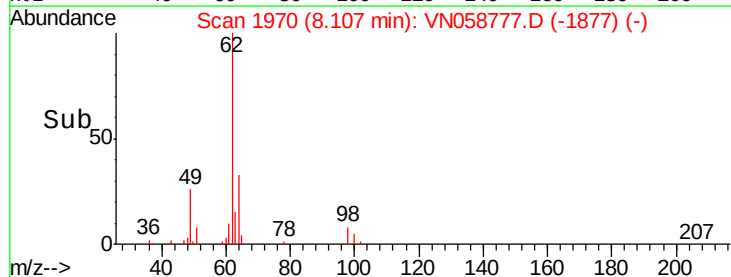
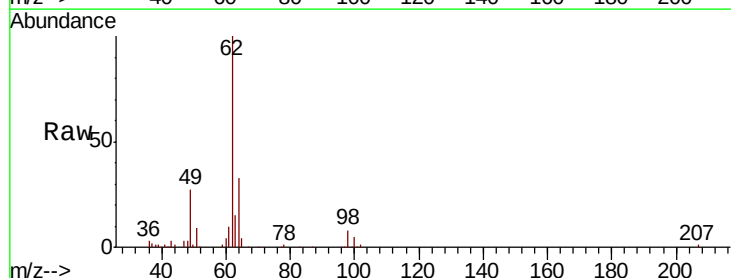
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

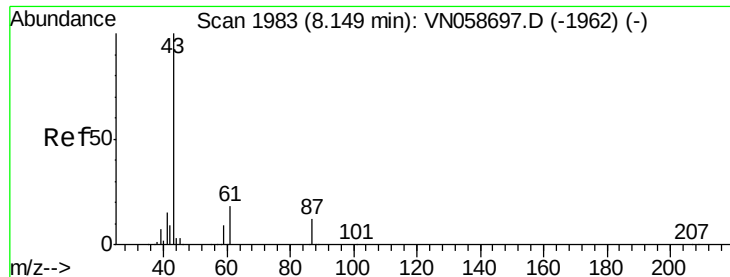
Tot Ion	Ratio	Lower	Upper
41	100		
39	0.0	115.4	173.2#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 21.857 ug/l
RT: 8.11 min Scan# 1970
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
62	100		
98	7.8	0.0	15.8





#43

Isopropyl Acetate

Concen: 21.357 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

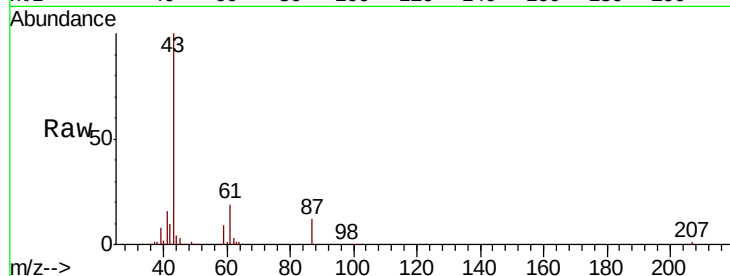
Tot Ion: 43 Resp: 278340

Ion Ratio Lower Upper

43 100

61 25.6 20.3 30.5

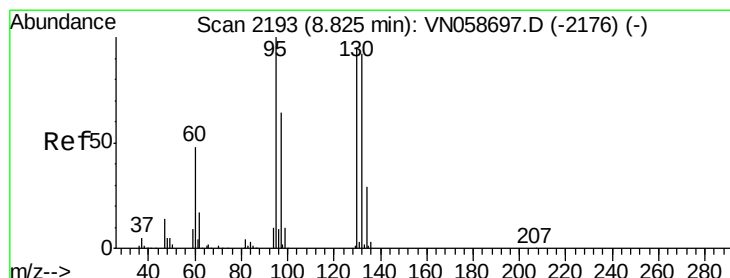
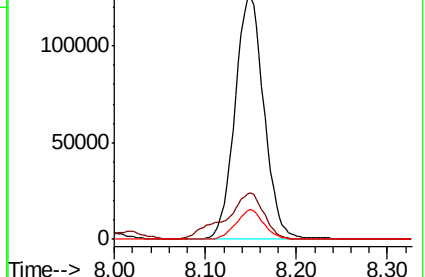
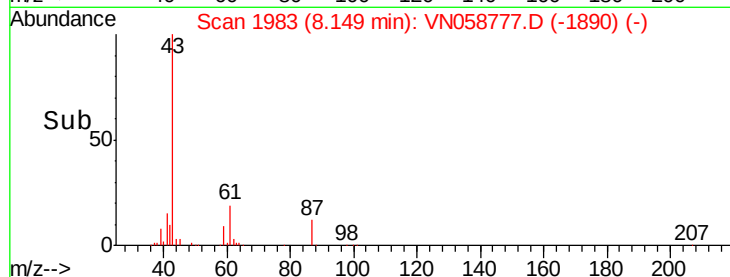
87 11.7 9.8 14.6



Abundance Ion 43.00 (42.70 to 43.70): VN058777.D (-2100) (-)

Ion 61.00 (60.70 to 61.70): VN058777.D (-2100) (-)

Ion 87.00 (86.70 to 87.70): VN058777.D (-2100) (-)



#44

Trichloroethene

Concen: 20.909 ug/l

RT: 8.82 min Scan# 2193

Delta R.T. -0.00 min

Lab File: VN058777.D

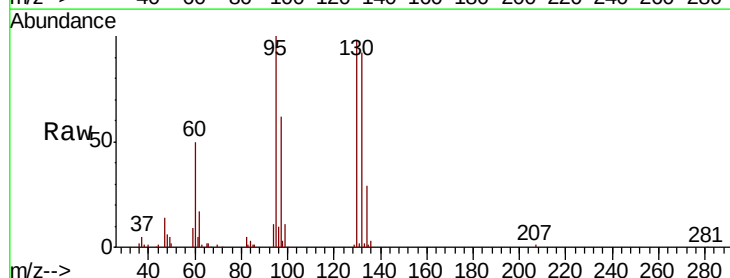
Acq: 15 Oct 2019 13:20

Tgt Ion: 130 Resp: 112807

Ion Ratio Lower Upper

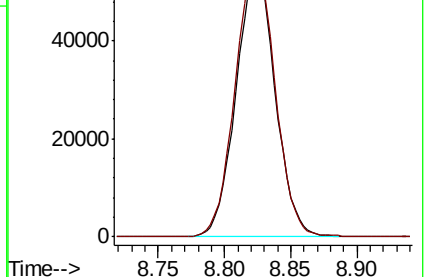
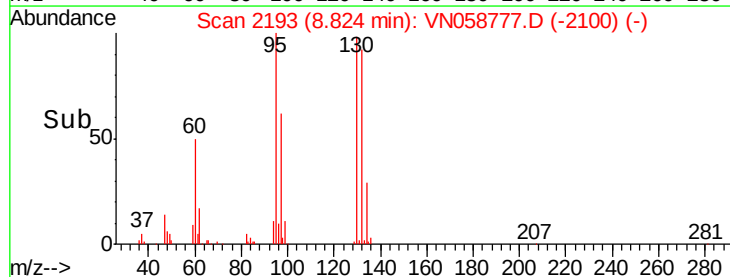
130 100

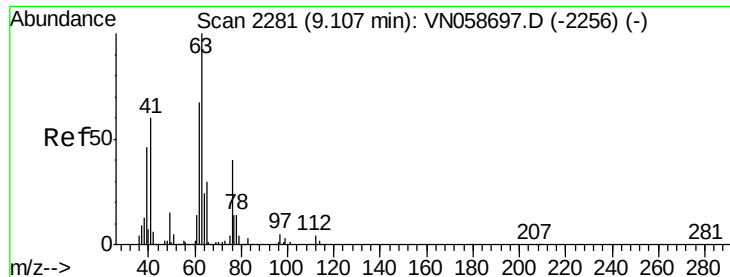
95 101.7 0.0 211.2



Abundance Ion 129.80 (129.50 to 130.50): VN058777.D (-2100) (-)

Ion 94.90 (94.60 to 95.60): VN058777.D (-2100) (-)

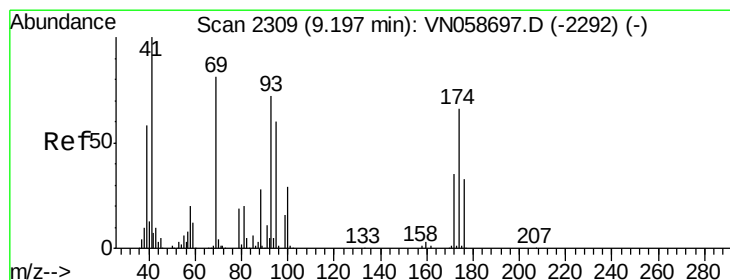
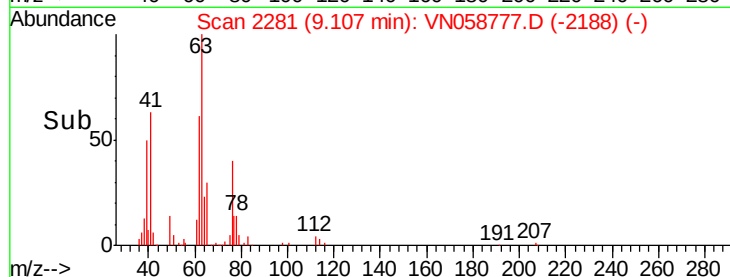
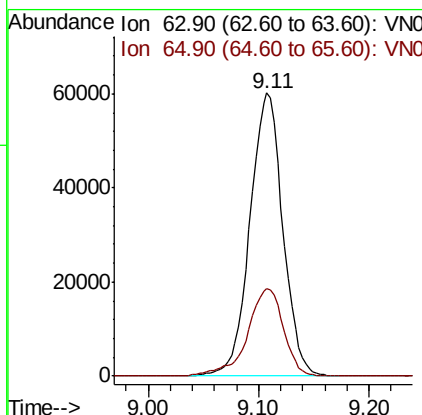
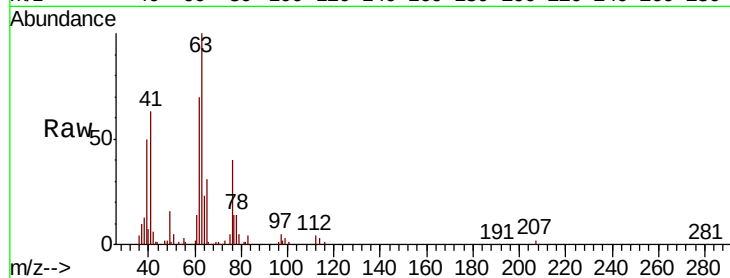




#45
 1,2-Dichloropropane
 Concen: 21.319 ug/l
 RT: 9.11 min Scan# 2281
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

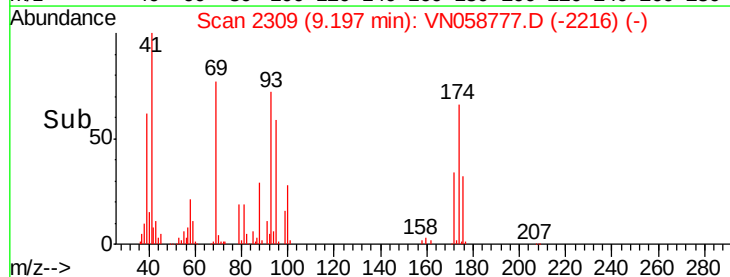
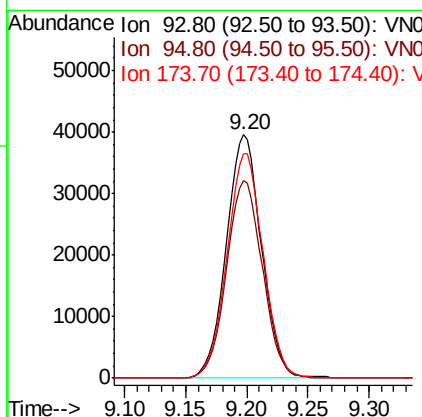
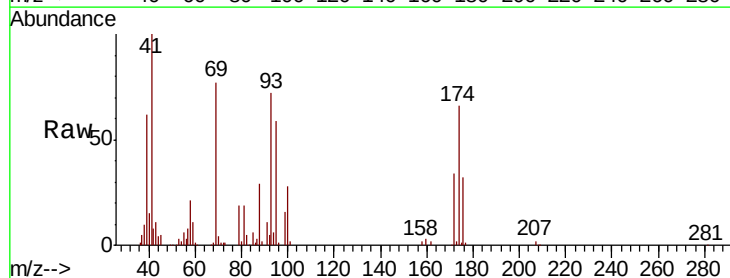
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

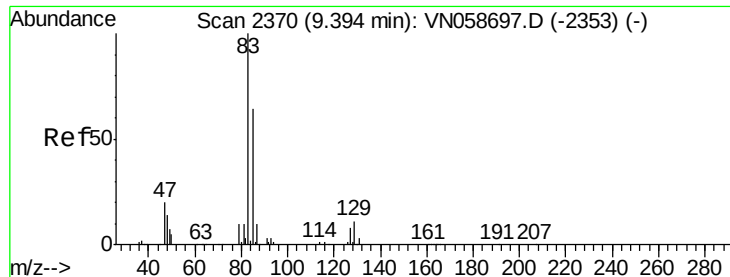
Tot Ion: 63 Resp: 123990
 Ion Ratio Lower Upper
 63 100
 65 30.9 24.1 36.1



#46
 Dibromomethane
 Concen: 21.567 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion: 93 Resp: 79523
 Ion Ratio Lower Upper
 93 100
 95 82.7 66.6 100.0
 174 94.1 75.2 112.8





#47

Bromodichloromethane

Concen: 22.027 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

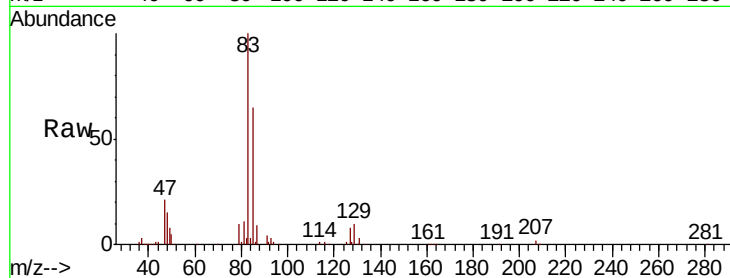
Tot Ion: 83 Resp: 165390

Ion Ratio Lower Upper

83 100

85 64.9 50.9 76.3

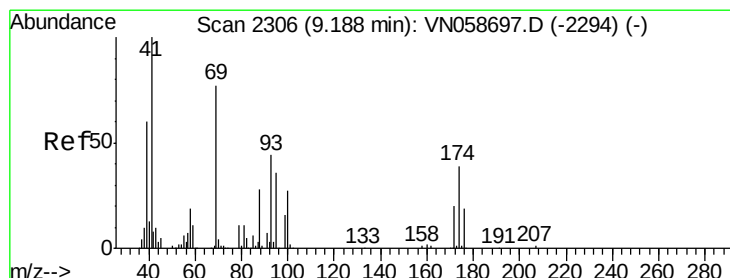
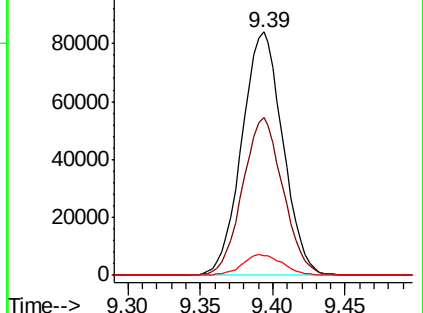
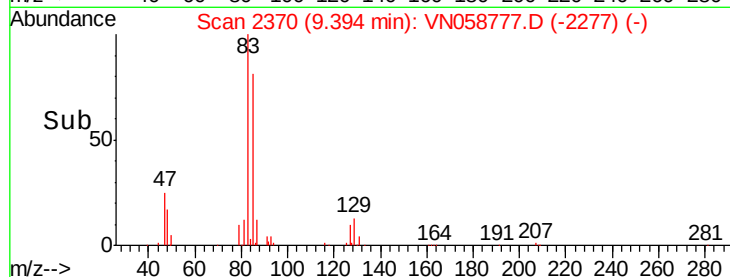
127 8.3 6.3 9.5



Abundance Ion 82.90 (82.60 to 83.60): VN058777.D (-2277) (-)

Ion 84.90 (84.60 to 85.60): VN058777.D (-2277) (-)

Ion 126.80 (126.50 to 127.50): VN058777.D (-2277) (-)



#48

Methyl methacrylate

Concen: 21.586 ug/l

RT: 9.19 min Scan# 2306

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

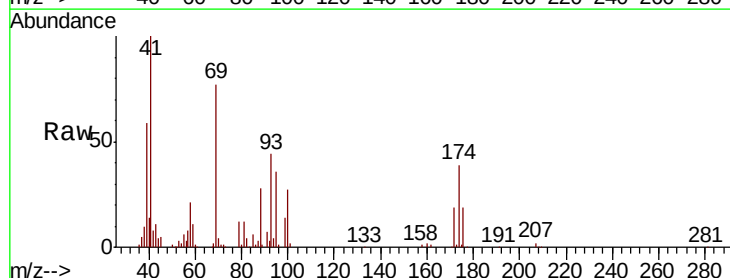
Tgt Ion: 41 Resp: 127522

Ion Ratio Lower Upper

41 100

69 78.4 63.4 95.2

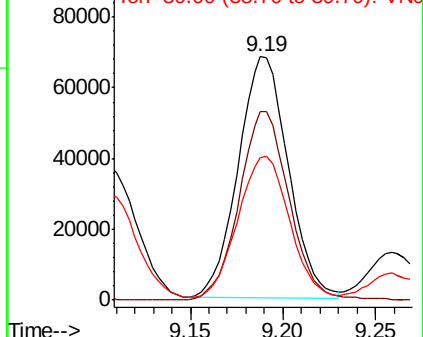
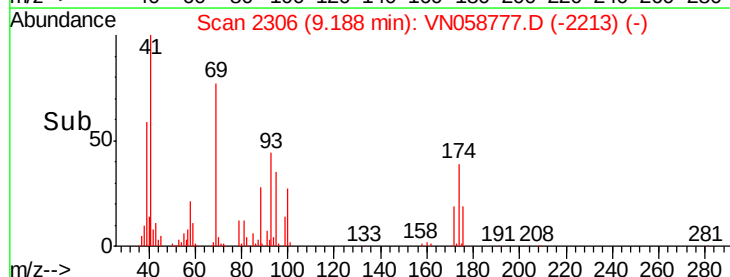
39 61.9 48.9 73.3

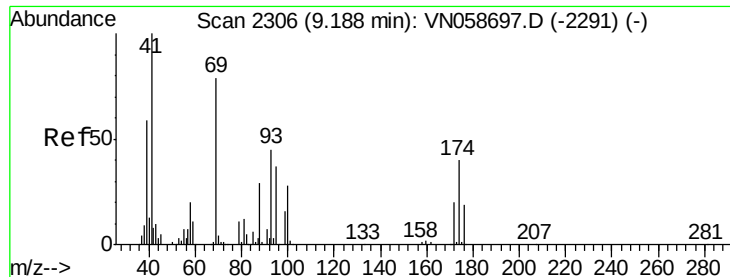


Abundance Ion 41.00 (40.70 to 41.70): VN058777.D (-2213) (-)

Ion 69.00 (68.70 to 69.70): VN058777.D (-2213) (-)

Ion 39.00 (38.70 to 39.70): VN058777.D (-2213) (-)

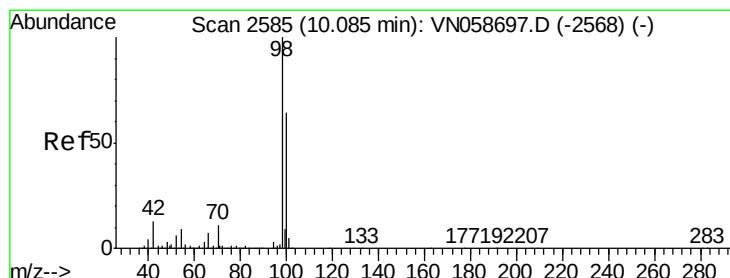
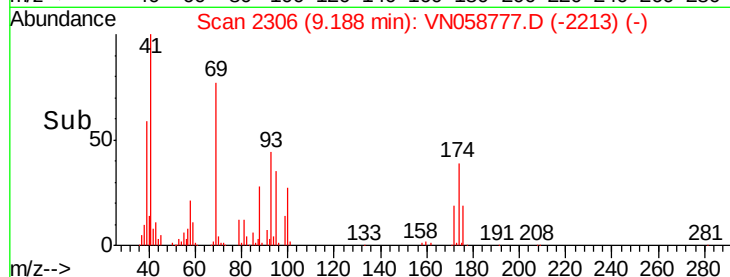
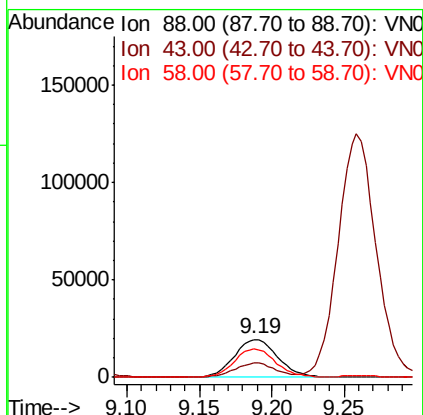
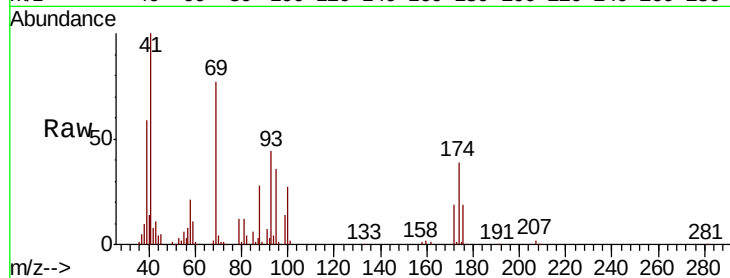




#49
 1,4-Dioxane
 Concen: 444.130 ug/l
 RT: 9.19 min Scan# 2306
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

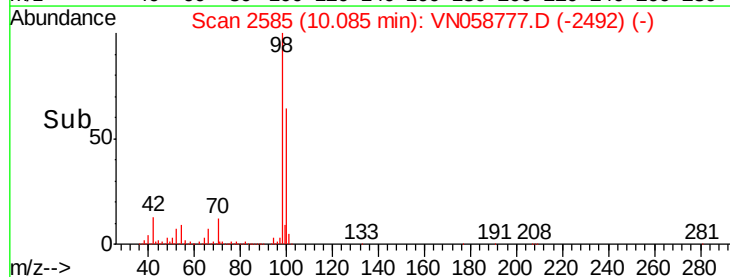
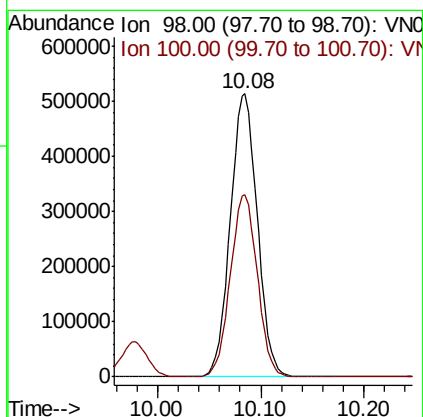
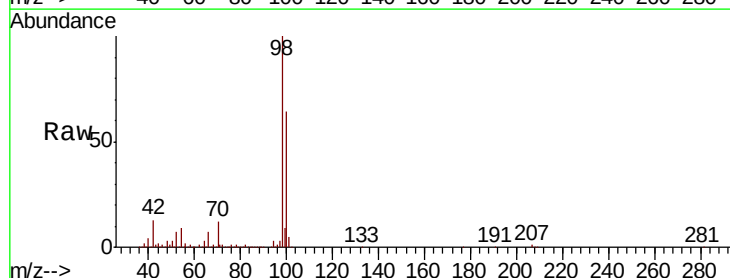
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

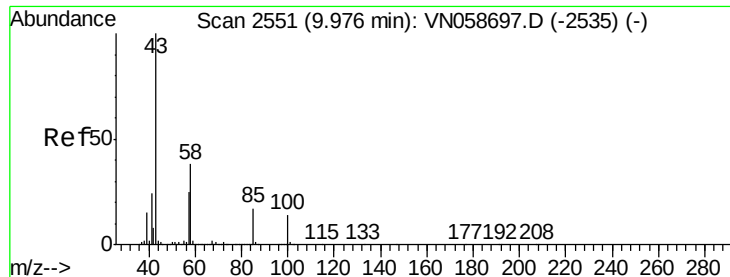
Tot Ion: 88 Resp: 40590
 Ion Ratio Lower Upper
 88 100
 43 35.2 28.6 43.0
 58 72.1 57.2 85.8



#50
 Toluene-d8
 Concen: 50.763 ug/l
 RT: 10.08 min Scan# 2585
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion: 98 Resp: 938096
 Ion Ratio Lower Upper
 98 100
 100 64.4 51.1 76.7





#51

4-Methyl-2-Pentanone

Concen: 120.071 ug/l

RT: 9.98 min Scan# 2551

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

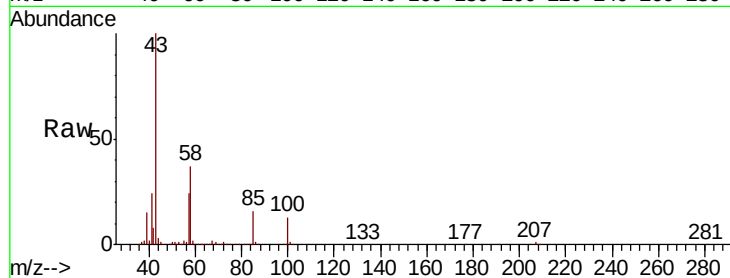
VN1015WBS01

Tot Ion: 43 Resp: 878824

Ion Ratio Lower Upper

43 100

58 36.9 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)

Ion 58.00 (57.70 to 58.70): VN058697.D (-2535) (-)

9.98

500000

400000

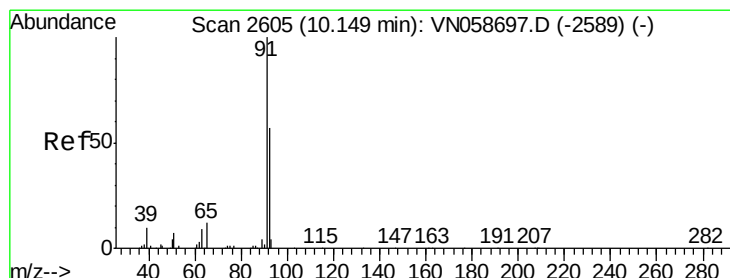
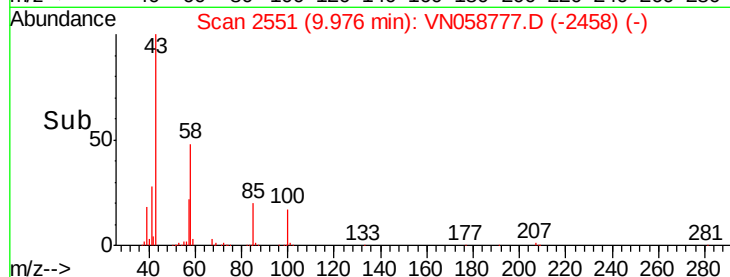
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.101 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. -0.00 min

Lab File: VN058777.D

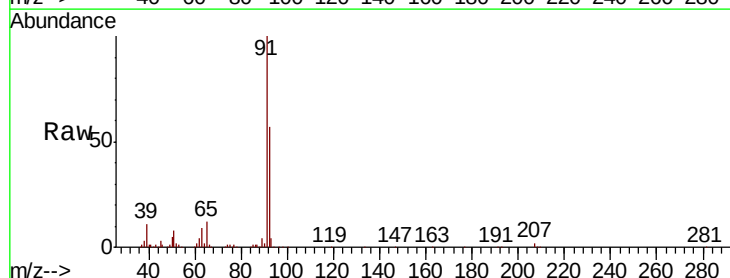
Acq: 15 Oct 2019 13:20

Tgt Ion: 92 Resp: 280374

Ion Ratio Lower Upper

92 100

91 175.7 139.1 208.7



Abundance Ion 92.00 (91.70 to 92.70): VN058697.D (-2589) (-)

Ion 91.00 (90.70 to 91.70): VN058697.D (-2589) (-)

300000

250000

200000

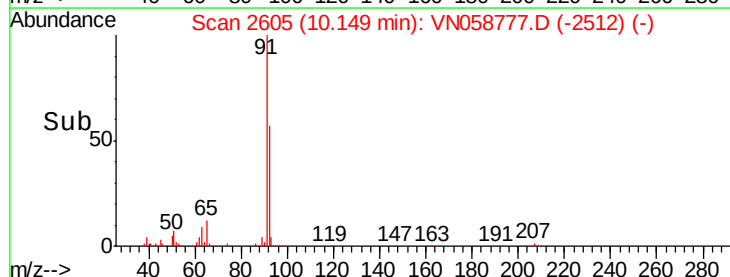
150000

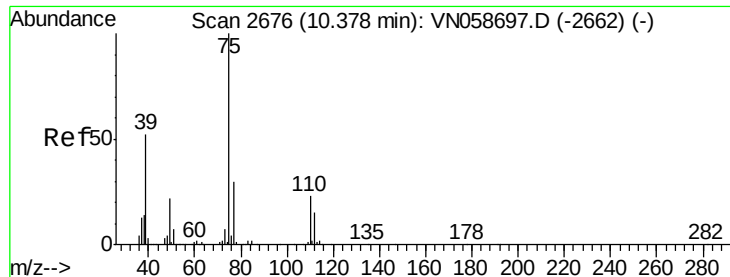
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.357 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampled :

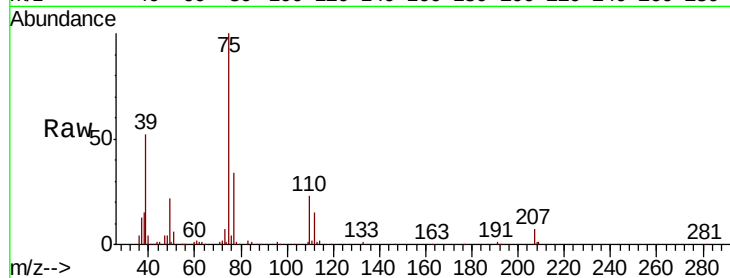
VN1015WBS01

Tot Ion: 75 Resp: 183926

Ion Ratio Lower Upper

75 100

77 33.0 26.2 39.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

120000

100000

80000

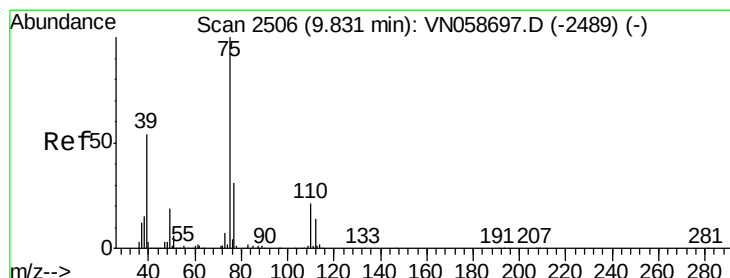
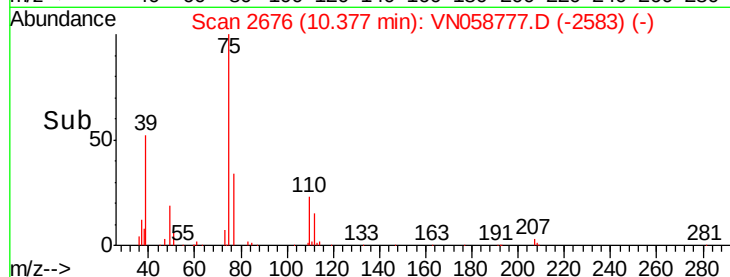
60000

40000

20000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 21.523 ug/l

RT: 9.83 min Scan# 2506

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

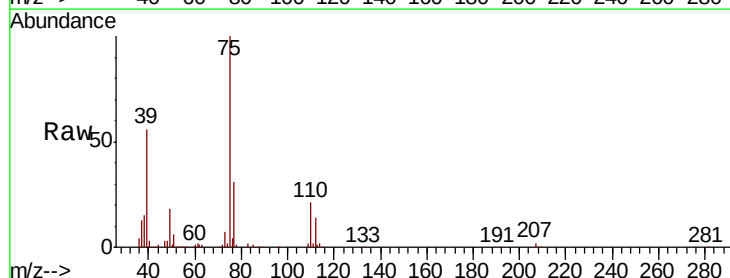
Tgt Ion: 75 Resp: 196800

Ion Ratio Lower Upper

75 100

77 30.8 24.4 36.6

39 55.8 43.1 64.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

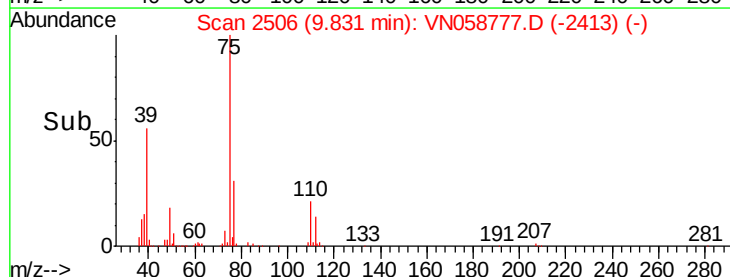
9.83

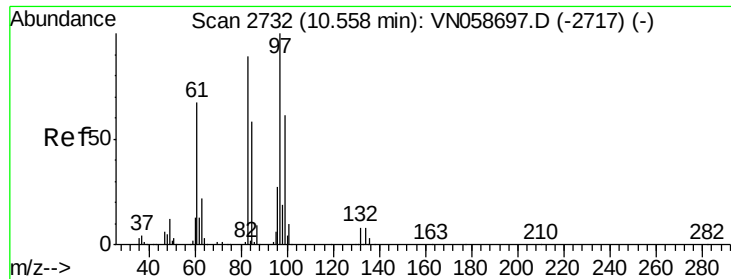
100000

50000

0

Time-->

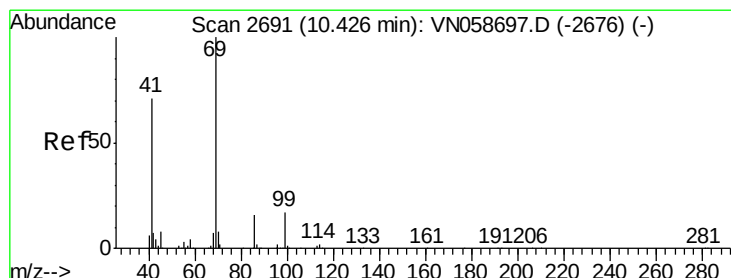
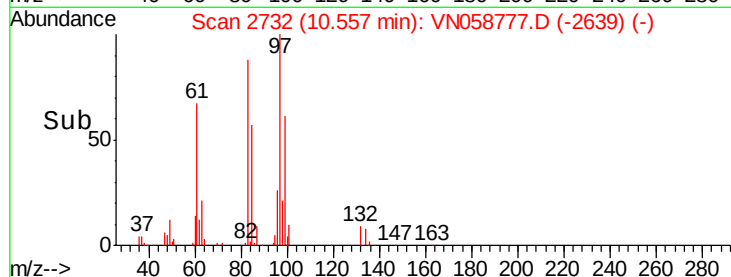
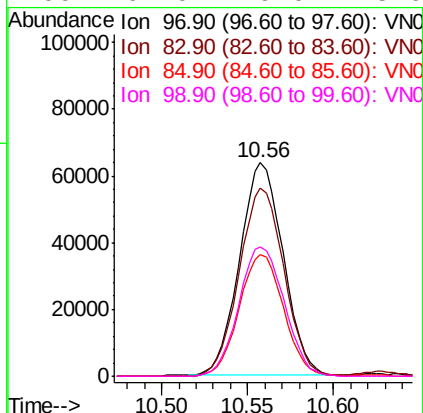
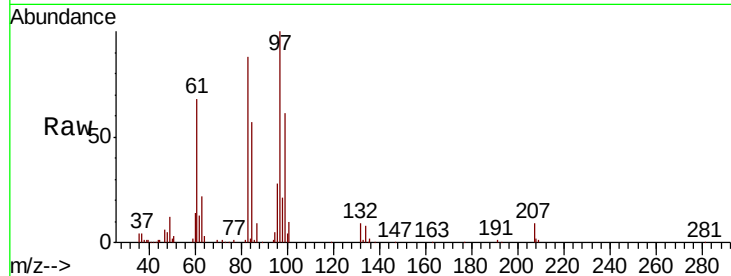




#55
 1,1,2-Trichloroethane
 Concen: 20.667 ug/l
 RT: 10.56 min Scan# 2732
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

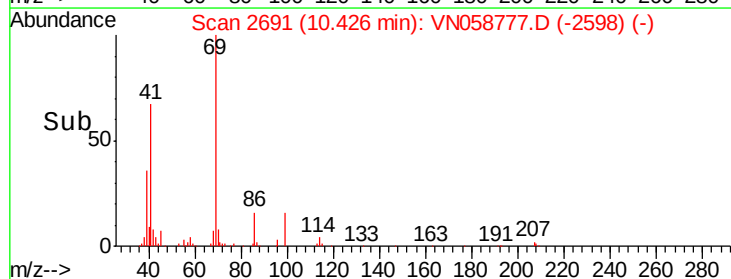
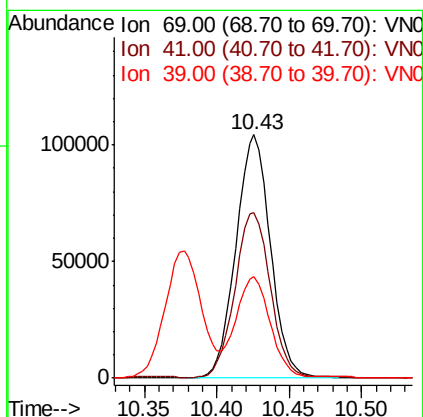
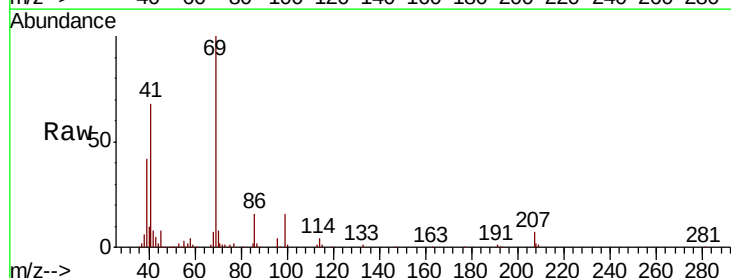
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

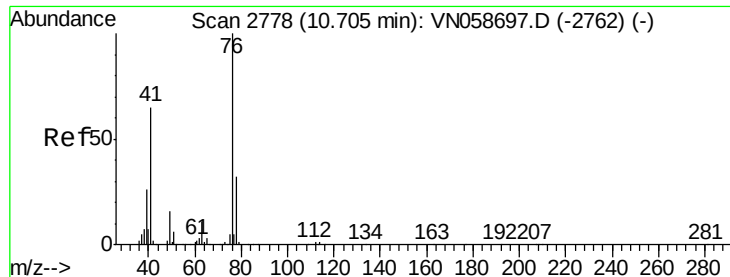
Tot Ion	Ratio	Lower	Upper
97	100		
83	88.2	71.2	106.8
85	56.9	46.7	70.1
99	61.0	49.0	73.6



#56
 Ethyl methacrylate
 Concen: 21.761 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
69	100		
41	69.2	56.8	85.2
39	40.4	32.5	48.7





#57

1,3-Dichloropropane

Concen: 21.603 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

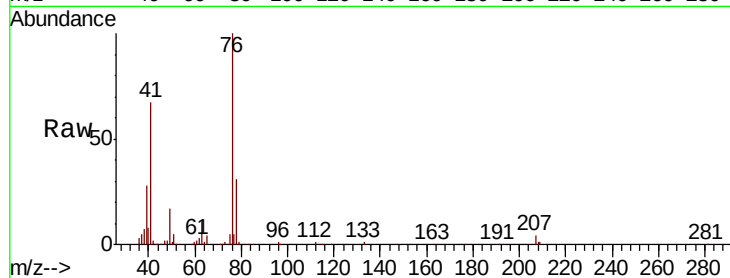
VN1015WBS01

Tot Ion: 76 Resp: 200209

Ion Ratio Lower Upper

76 100

78 31.6 25.9 38.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

120000

100000

80000

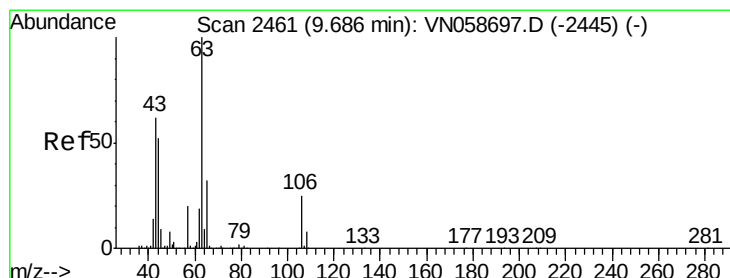
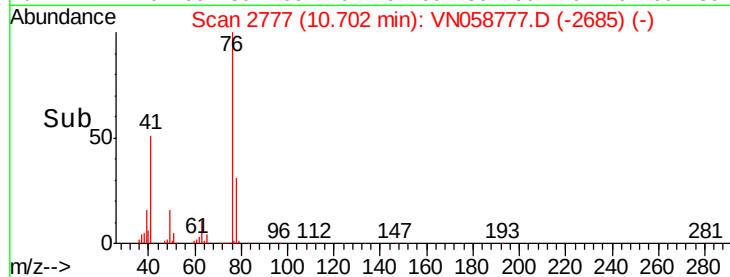
60000

40000

20000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 106.768 ug/l

RT: 9.69 min Scan# 2461

Delta R.T. -0.00 min

Lab File: VN058777.D

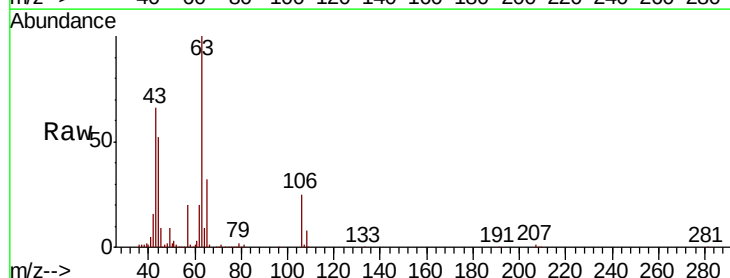
Acq: 15 Oct 2019 13:20

Tgt Ion: 63 Resp: 408812

Ion Ratio Lower Upper

63 100

106 25.1 20.0 30.0



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

250000

200000

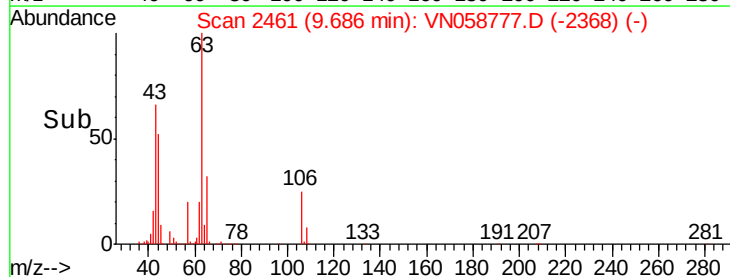
150000

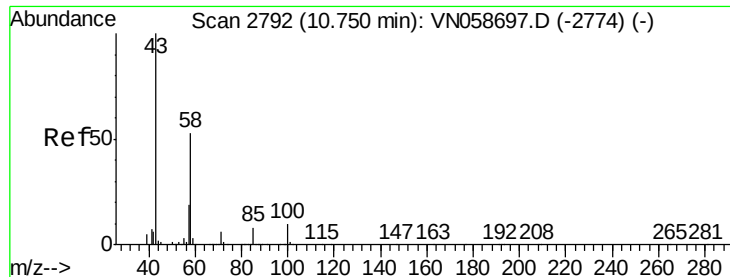
100000

50000

0

Time--> 9.60 9.65 9.70 9.75 9.80

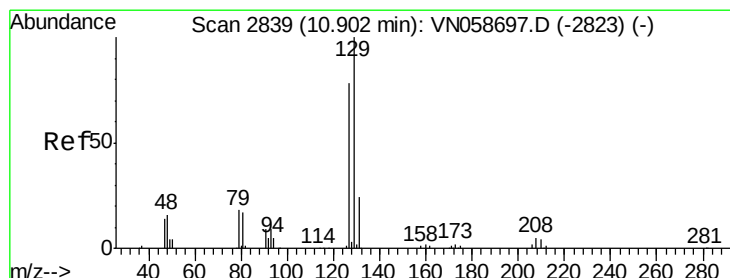
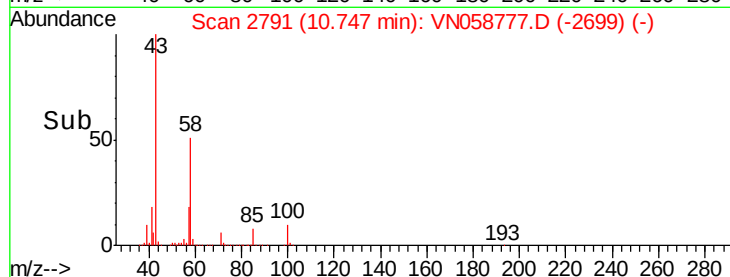
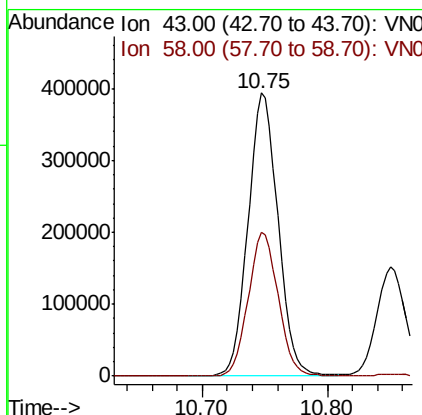
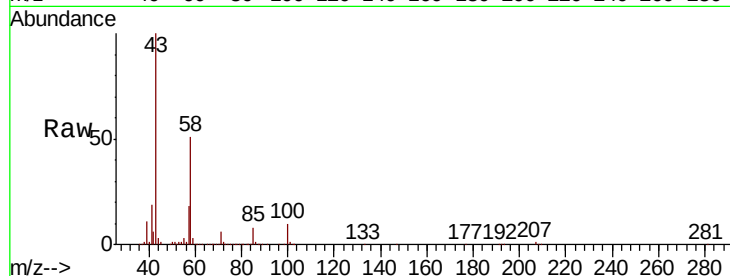




#59
2-Hexanone
Concen: 115.868 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

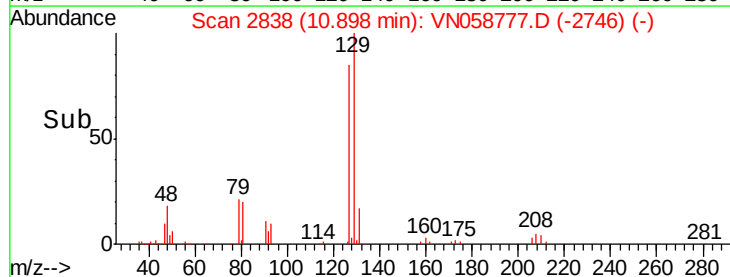
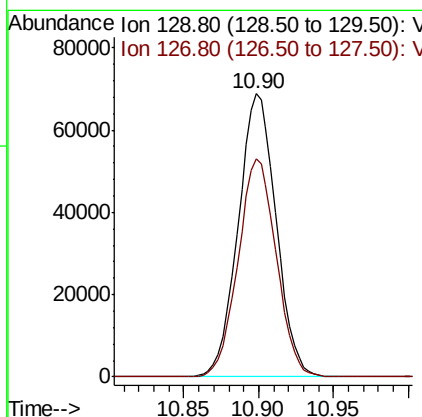
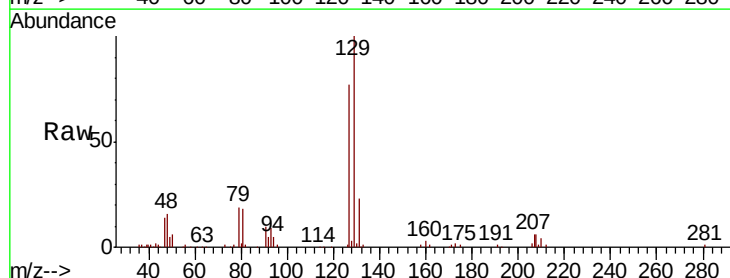
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

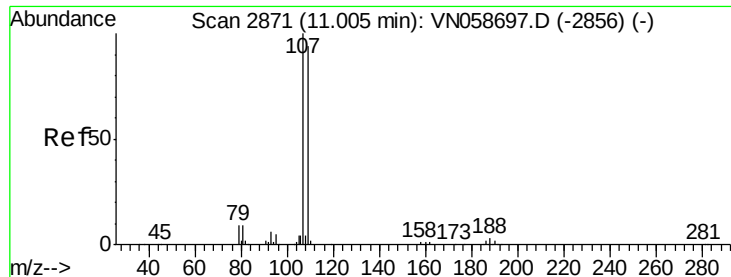
Tot Ion: 43 Resp: 655384
Ion Ratio Lower Upper
43 100
58 50.9 26.1 78.3



#60
Dibromochloromethane
Concen: 21.582 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion:129 Resp: 121079
Ion Ratio Lower Upper
129 100
127 77.7 38.5 115.3





#61

1,2-Dibromoethane

Concen: 21.228 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

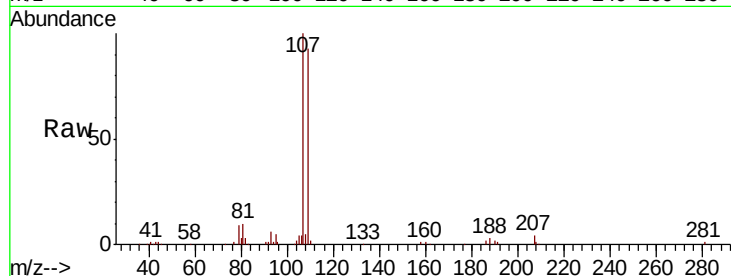
VN1015WBS01

Tot Ion: 107 Resp: 115658

Ion Ratio Lower Upper

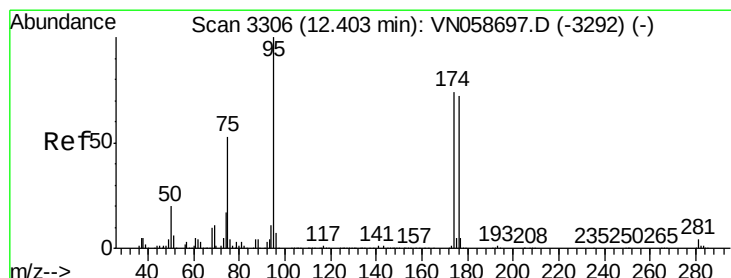
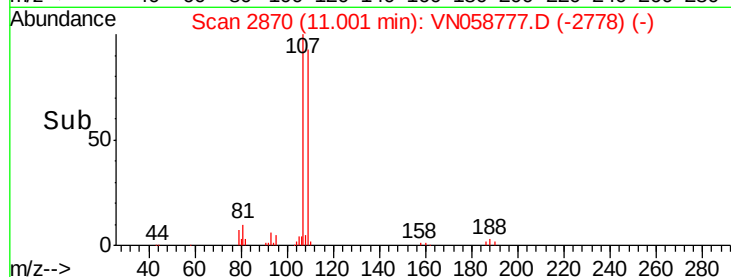
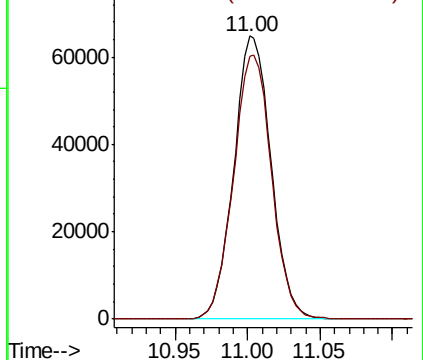
107 100

109 95.3 75.4 113.0



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 48.828 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

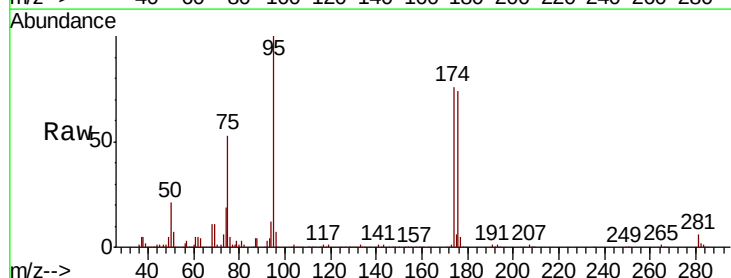
Tgt Ion: 95 Resp: 341558

Ion Ratio Lower Upper

95 100

174 76.0 0.0 150.4

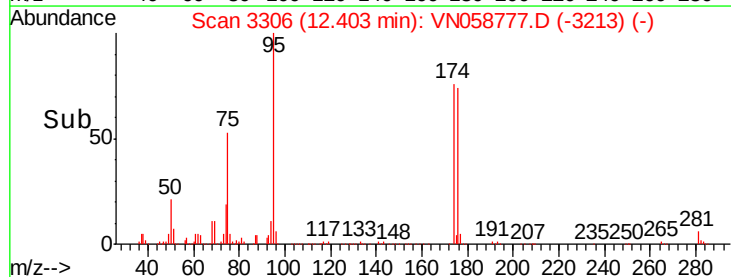
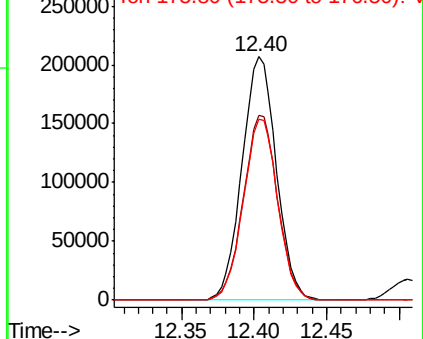
176 74.3 0.0 146.8

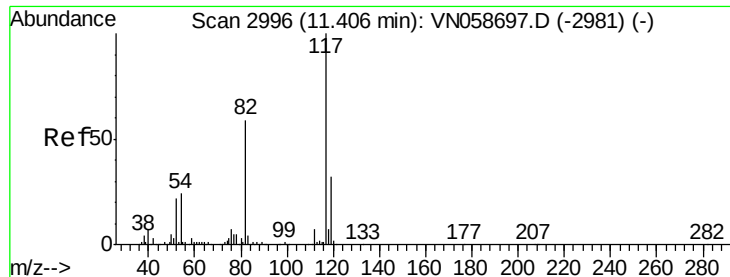


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

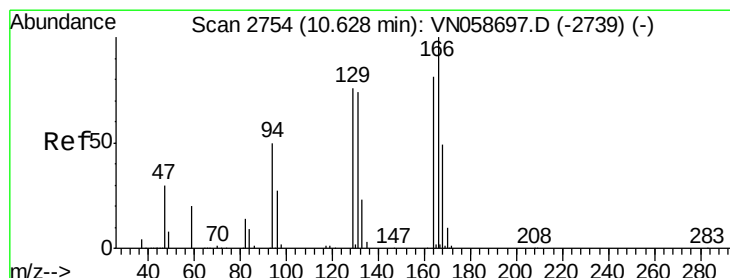
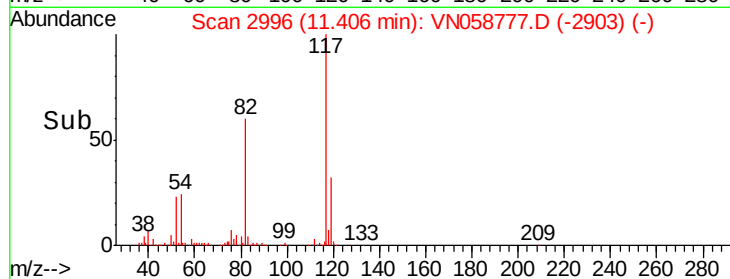
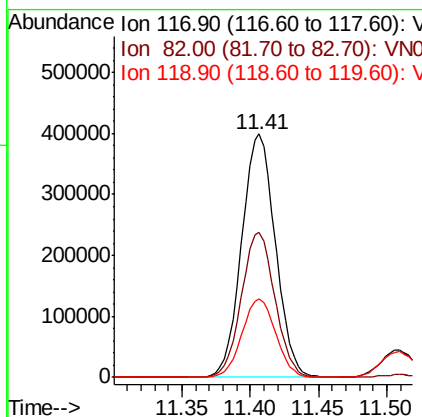
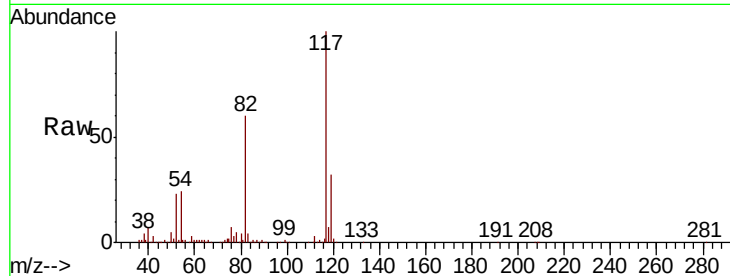




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

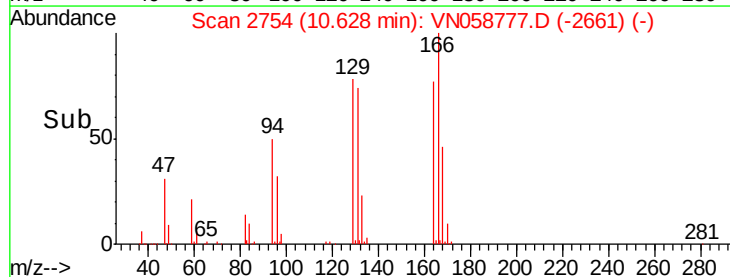
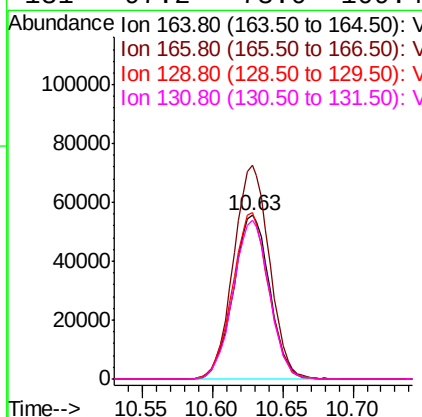
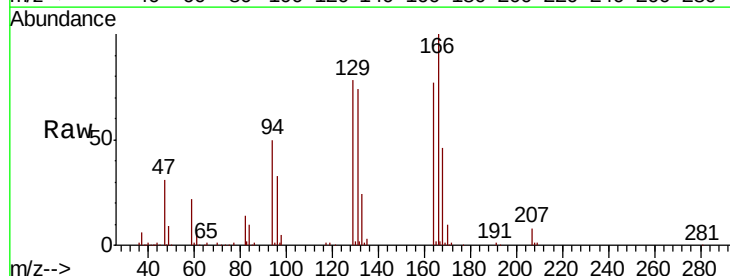
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

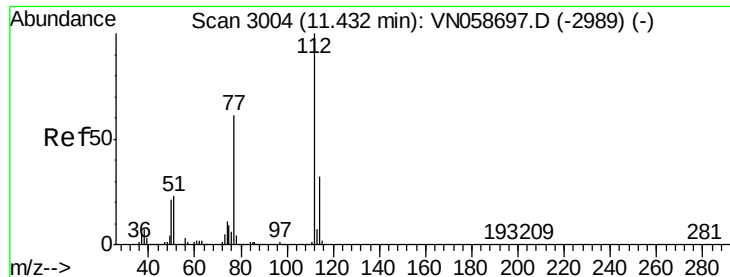
Tot Ion:117 Resp: 684335
Ion Ratio Lower Upper
117 100
82 59.7 47.0 70.4
119 32.4 25.4 38.2



#64
Tetrachloroethene
Concen: 20.990 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion:164 Resp: 100525
Ion Ratio Lower Upper
164 100
166 130.4 99.3 148.9
129 101.6 75.2 112.8
131 97.2 73.0 109.4

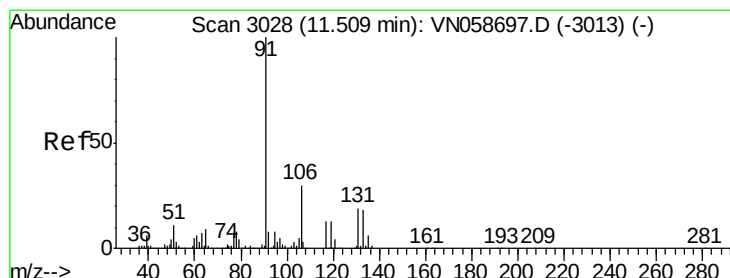
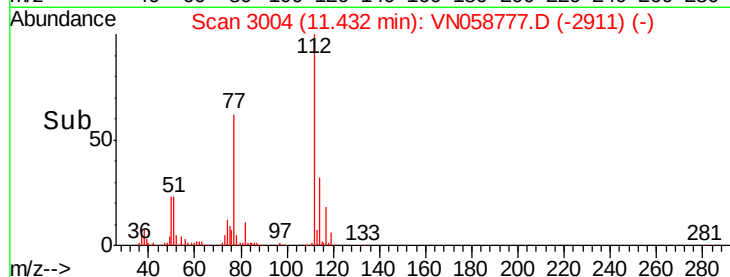
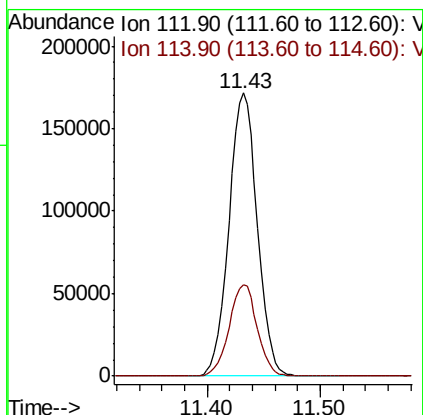
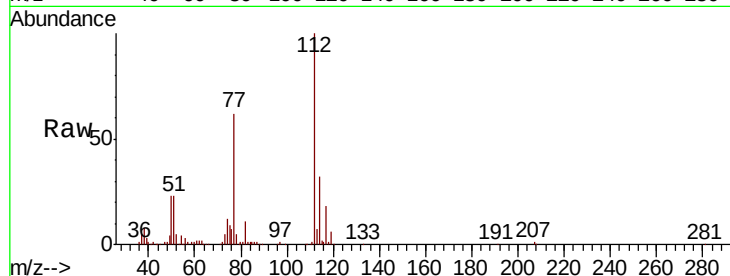




#65
Chlorobenzene
Concen: 21.445 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

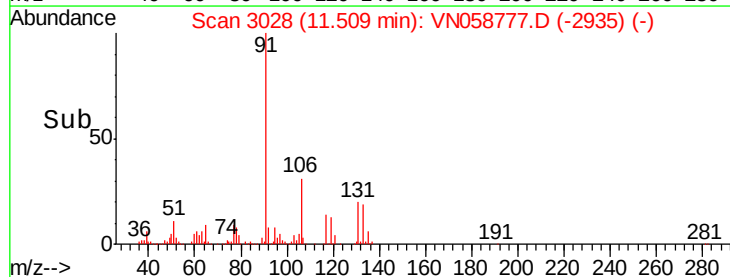
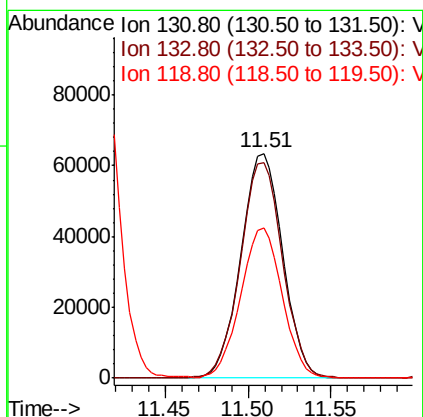
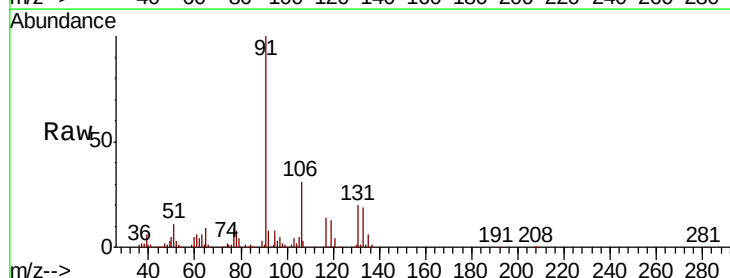
Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

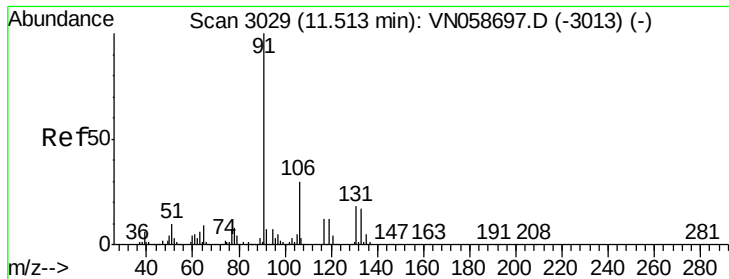
Tot Ion:112 Resp: 298032
Ion Ratio Lower Upper
112 100
114 32.5 25.2 37.8



#66
1,1,1,2-Tetrachloroethane
Concen: 21.660 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion:131 Resp: 111309
Ion Ratio Lower Upper
131 100
133 97.3 47.6 142.9
119 66.4 33.0 98.9





#67

Ethyl Benzene

Concen: 21.700 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

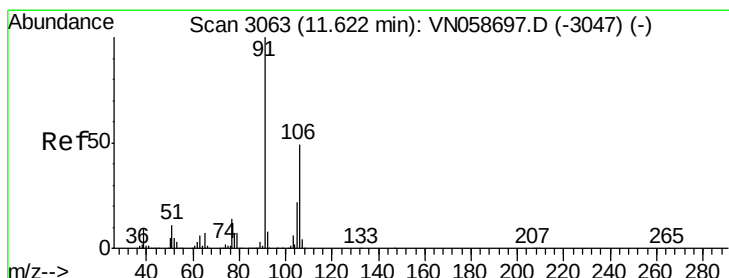
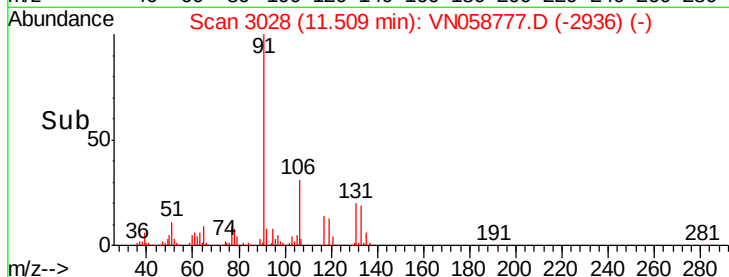
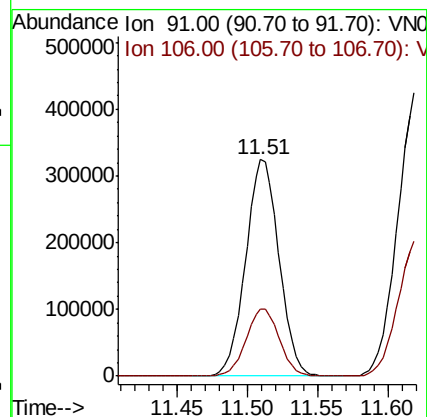
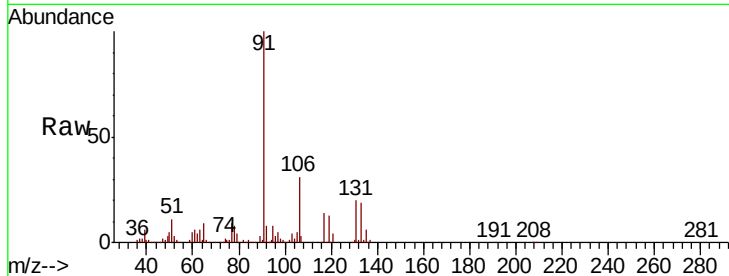
VN1015WBS01

Tot Ion: 91 Resp: 537576

Ion Ratio Lower Upper

91 100

106 31.1 24.1 36.1



#68

m/p-Xylenes

Concen: 42.800 ug/l

RT: 11.62 min Scan# 3063

Delta R.T. -0.00 min

Lab File: VN058777.D

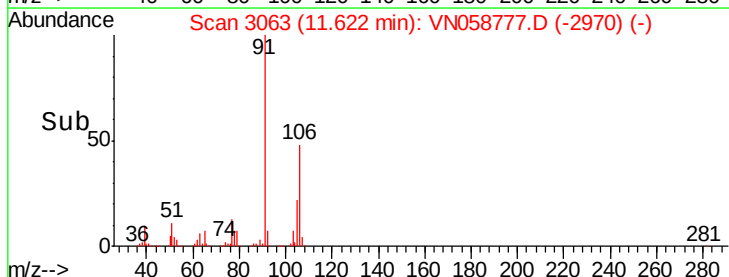
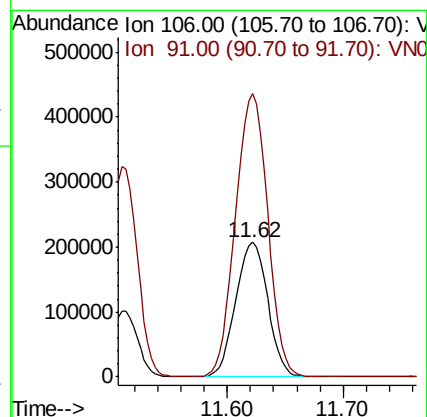
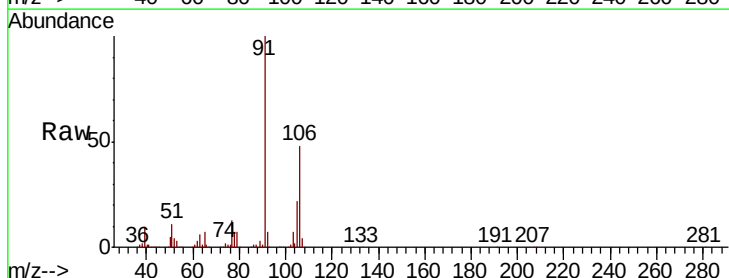
Acq: 15 Oct 2019 13:20

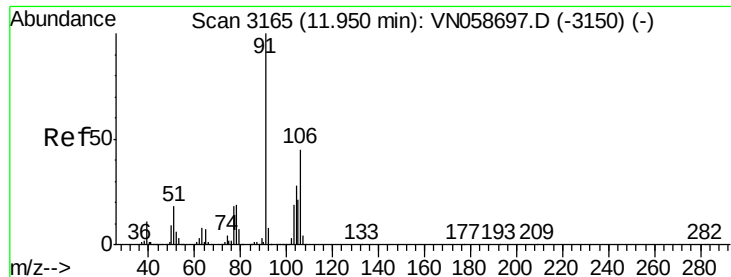
Tgt Ion: 106 Resp: 397905

Ion Ratio Lower Upper

106 100

91 210.7 165.7 248.5

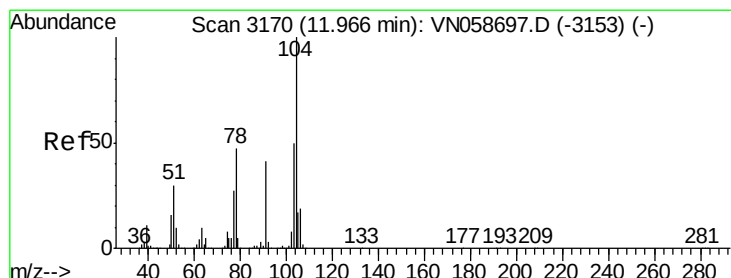
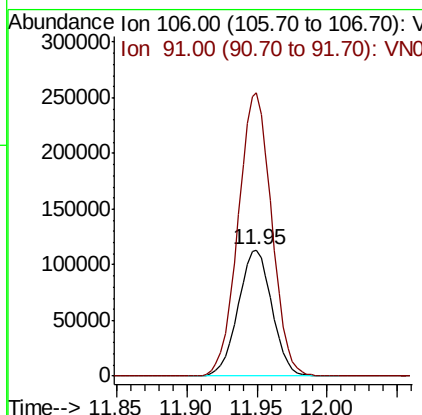
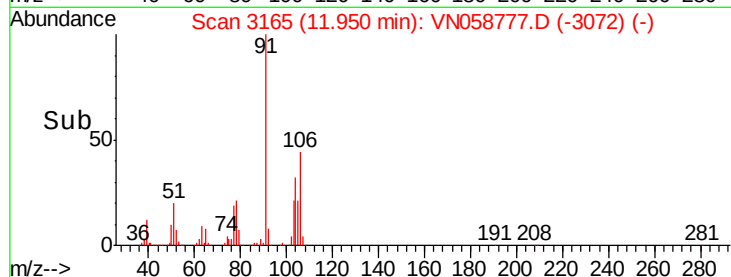
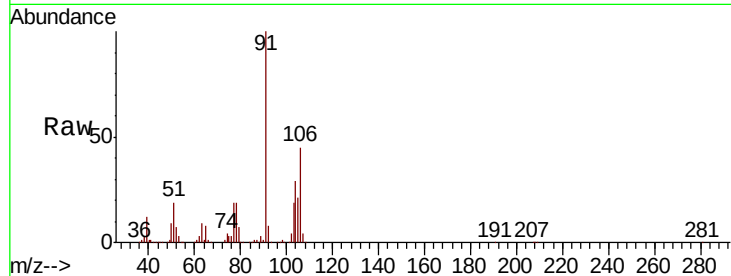




#69
o-Xylene
Concen: 21.129 ug/l
RT: 11.95 min Scan# 3165
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

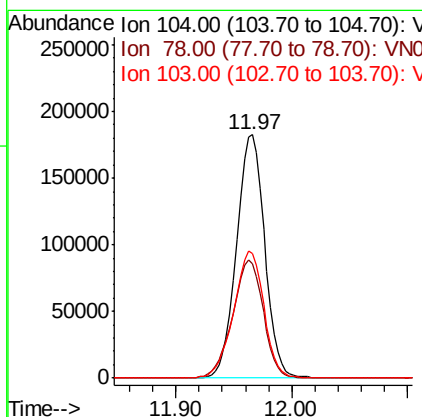
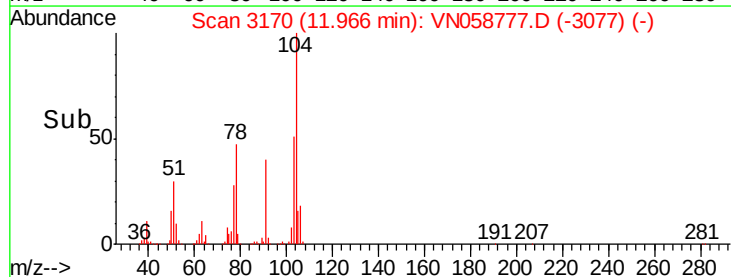
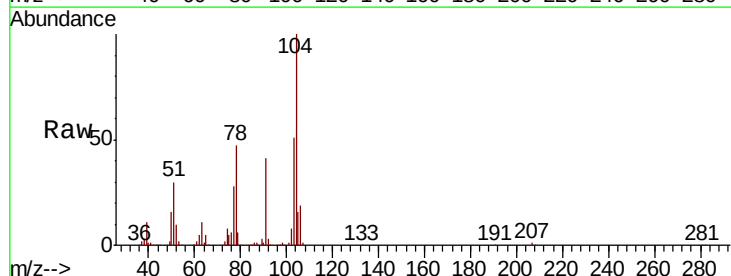
Instrument :
MSVOA_N
ClientSampled :
VN1015WBS01

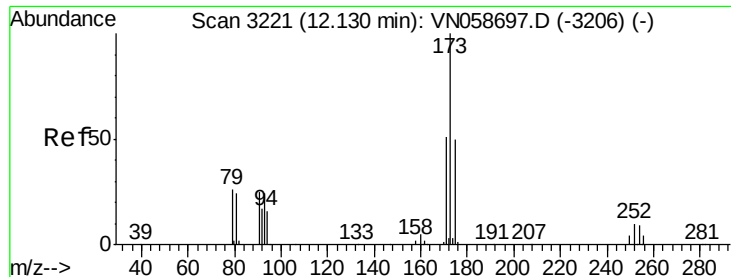
Tot Ion:106 Resp: 190054
Ion Ratio Lower Upper
106 100
91 222.5 110.9 332.9



#70
Styrene
Concen: 20.844 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion:104 Resp: 307296
Ion Ratio Lower Upper
104 100
78 52.9 42.2 63.2
103 56.0 43.7 65.5





#71

Bromoform

Concen: 21.985 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

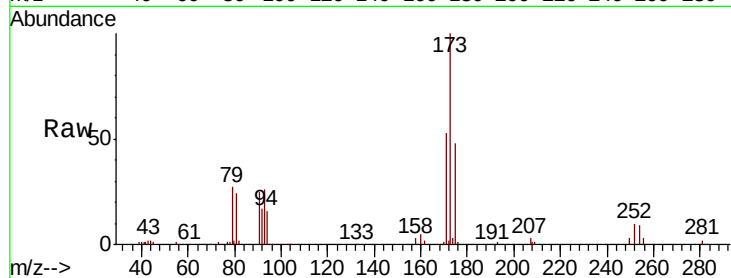
Tot Ion:173 Resp: 82813

Ion Ratio Lower Upper

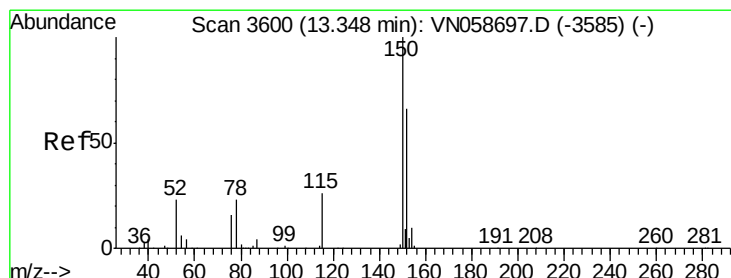
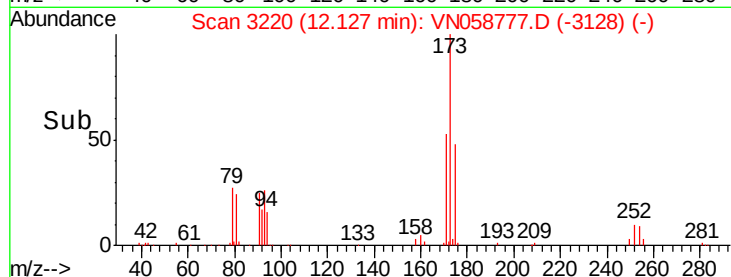
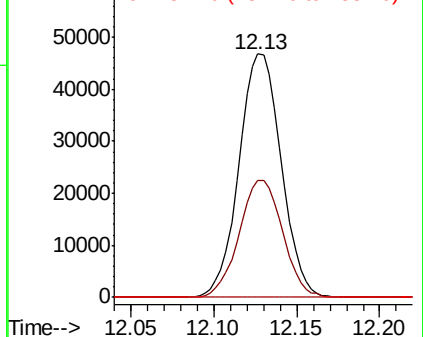
173 100

175 49.4 24.6 73.8

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# 3600

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

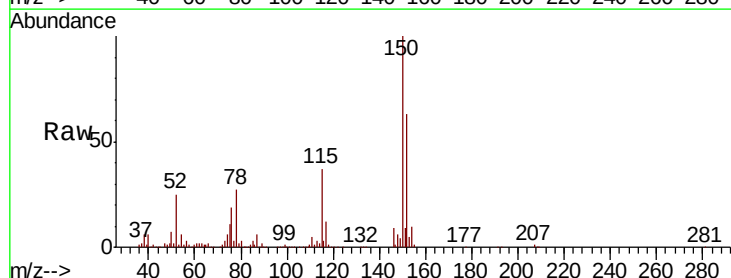
Tgt Ion:152 Resp: 324062

Ion Ratio Lower Upper

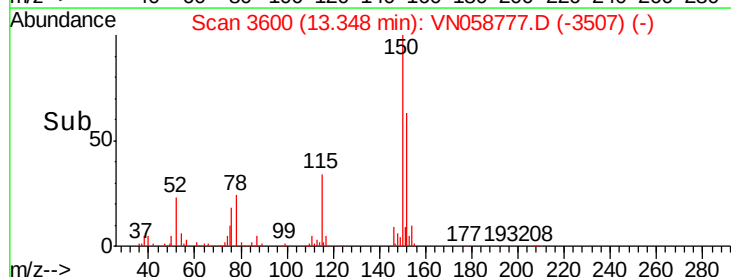
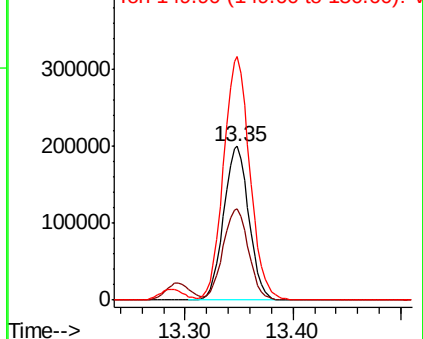
152 100

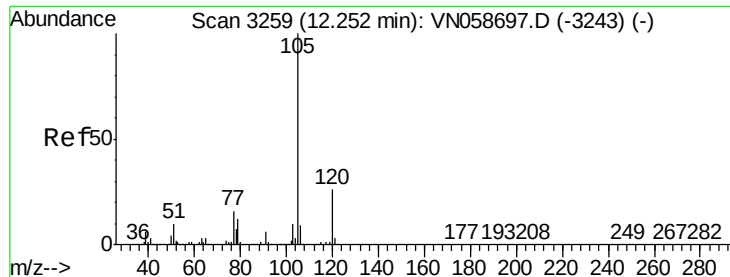
115 60.1 30.4 91.2

150 166.0 0.0 345.4



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





#73

Isopropylbenzene

Concen: 22.181 ug/l

RT: 12.25 min Scan# 3259

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

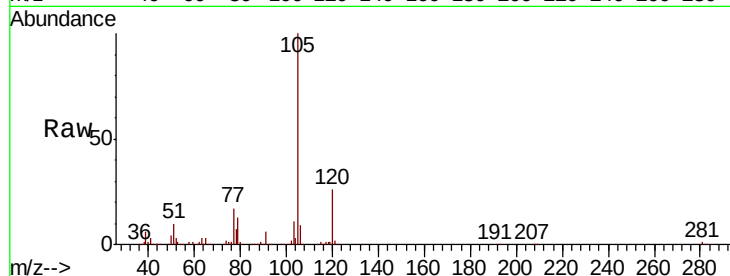
VN1015WBS01

Tot Ion:105 Resp: 520562

Ion Ratio Lower Upper

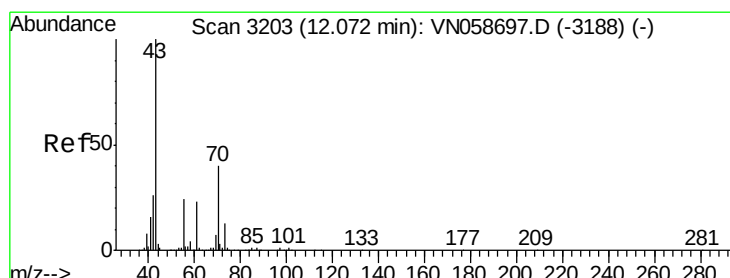
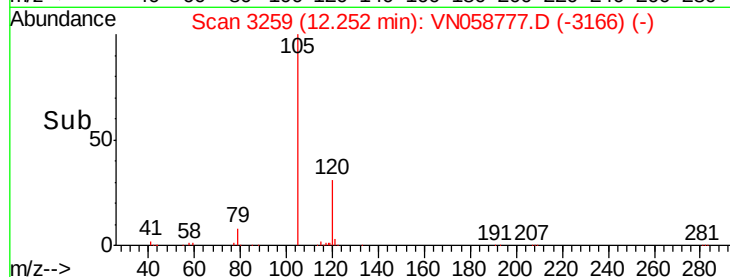
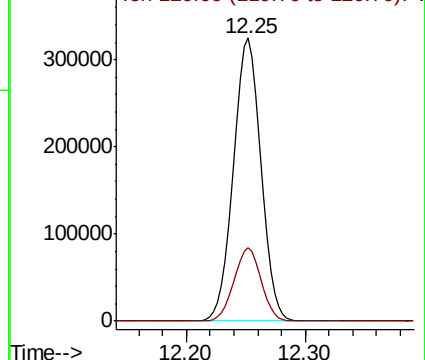
105 100

120 25.6 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 22.324 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion: 43 Resp: 235320

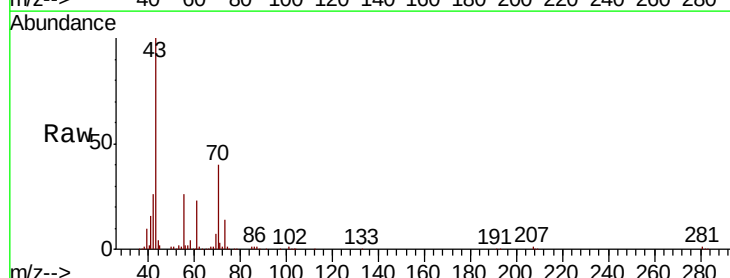
Ion Ratio Lower Upper

43 100

70 40.0 32.2 48.4

55 25.8 19.6 29.4

61 23.1 18.6 28.0

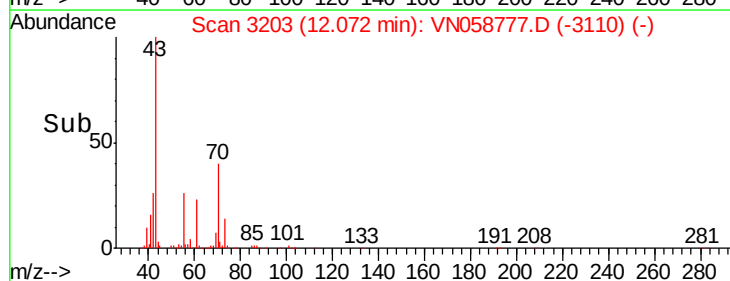
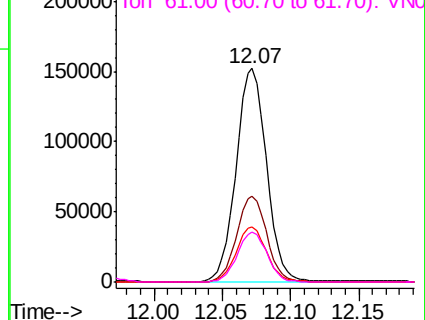


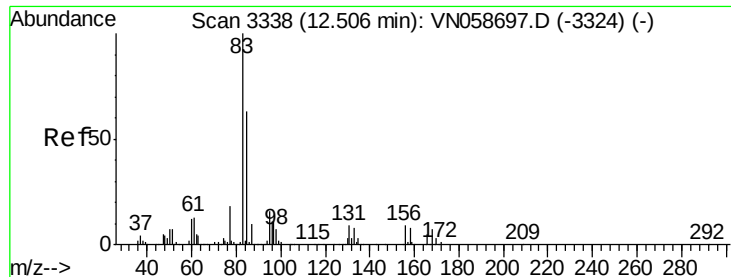
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.303 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampled :

VN1015WBS01

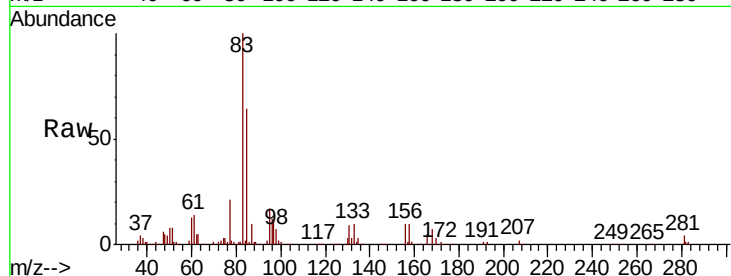
Tot Ion: 83 Resp: 172438

Ion Ratio Lower Upper

83 100

131 9.9 4.8 14.4

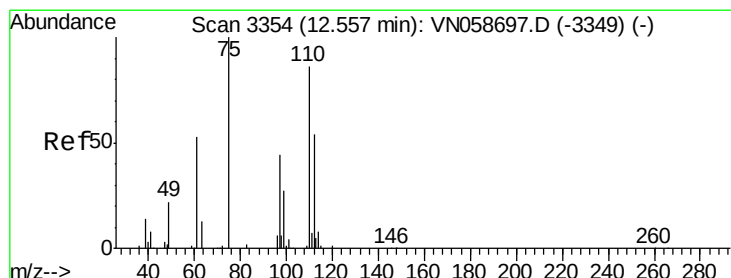
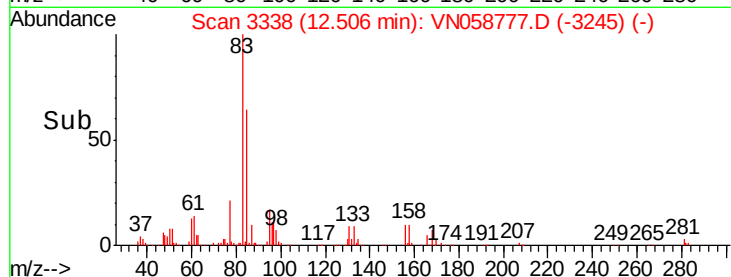
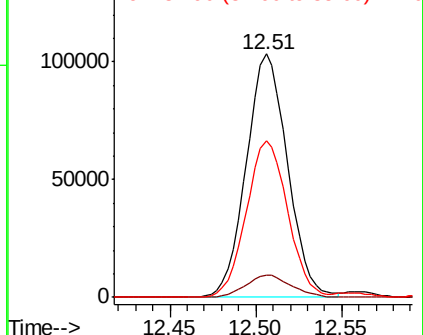
85 64.5 31.9 95.5



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 32.900 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. -0.00 min

Lab File: VN058777.D

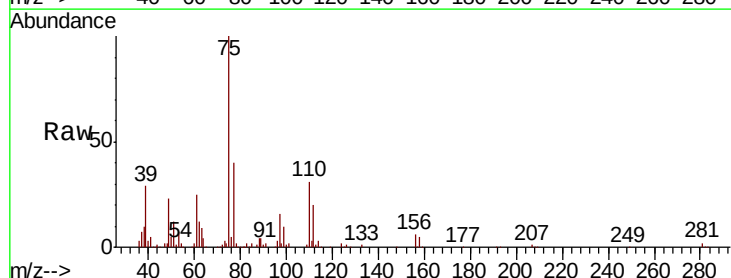
Acq: 15 Oct 2019 13:20

Tgt Ion: 75 Resp: 233893

Ion Ratio Lower Upper

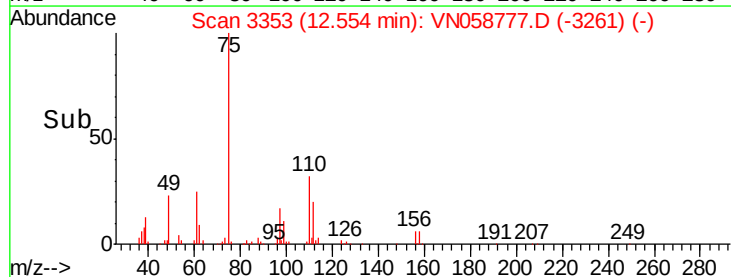
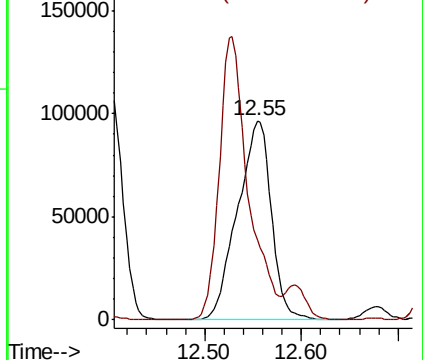
75 100

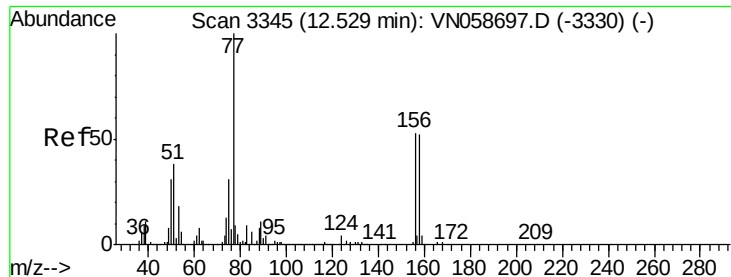
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 21.807 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

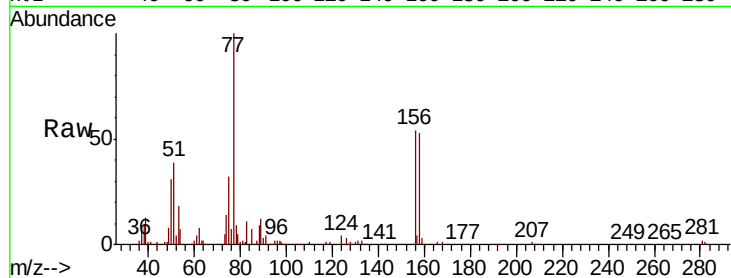
Tot Ion:156 Resp: 124488

Ion Ratio Lower Upper

156 100

77 229.2 115.8 347.3

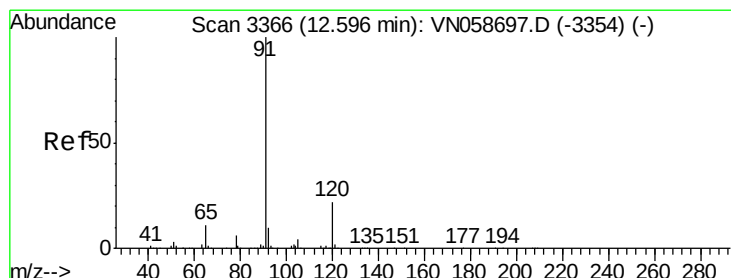
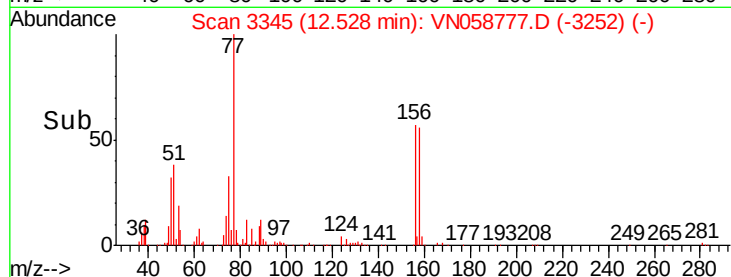
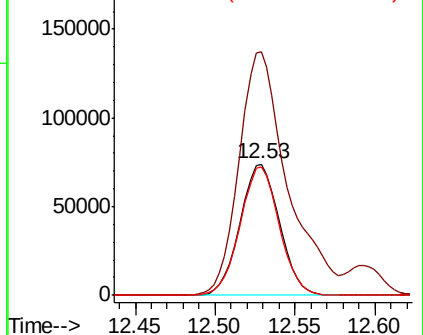
158 97.2 48.9 146.6



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 22.612 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. -0.00 min

Lab File: VN058777.D

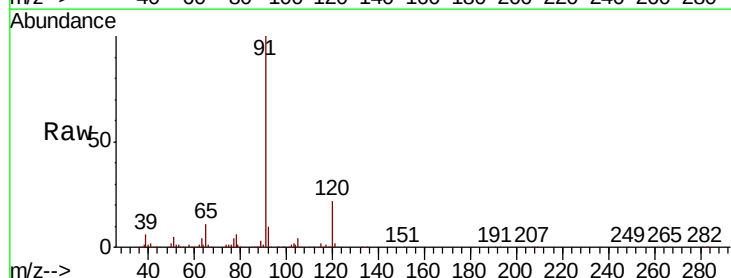
Acq: 15 Oct 2019 13:20

Tgt Ion: 91 Resp: 618392

Ion Ratio Lower Upper

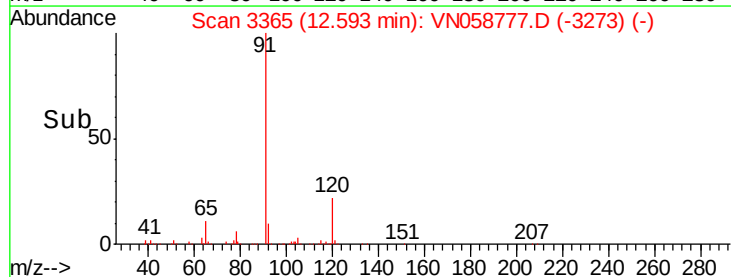
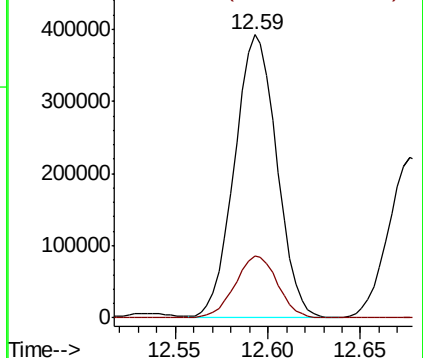
91 100

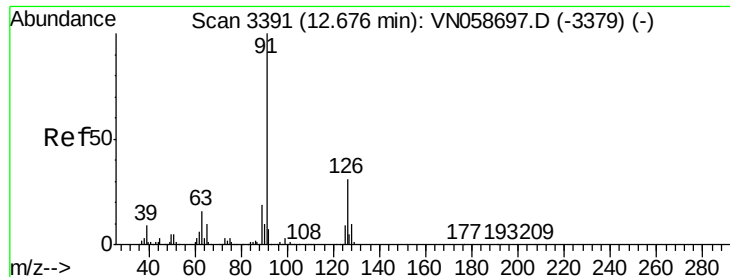
120 21.9 11.1 33.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 21.400 ug/l

RT: 12.68 min Scan# 3391

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

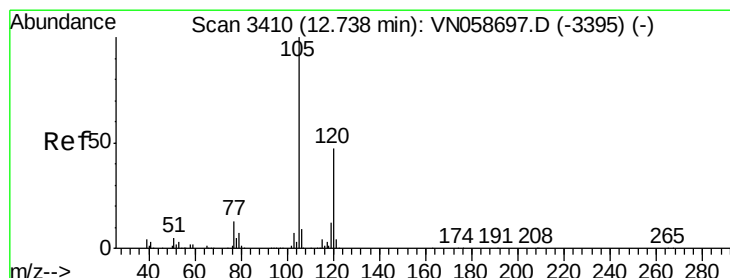
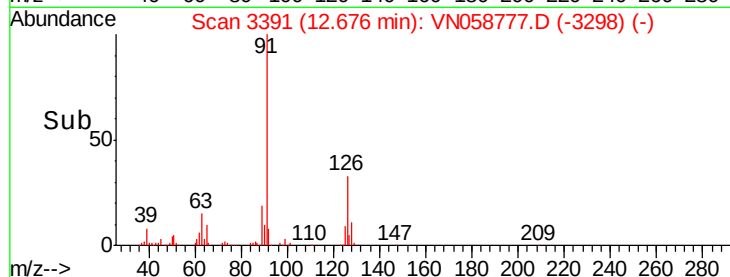
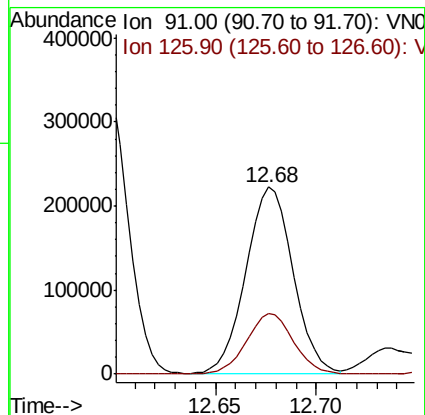
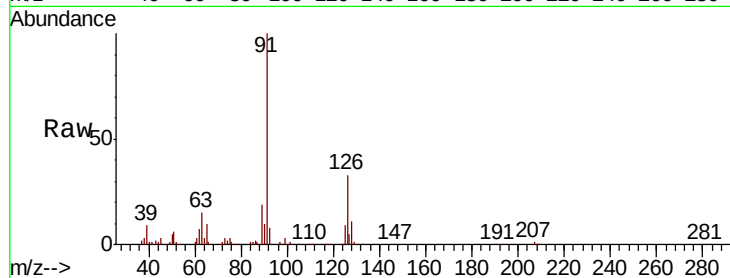
VN1015WBS01

Tot Ion: 91 Resp: 363244

Ion Ratio Lower Upper

91 100

126 32.5 16.2 48.5



#80

1,3,5-Trimethylbenzene

Concen: 22.060 ug/l

RT: 12.74 min Scan# 3410

Delta R.T. -0.00 min

Lab File: VN058777.D

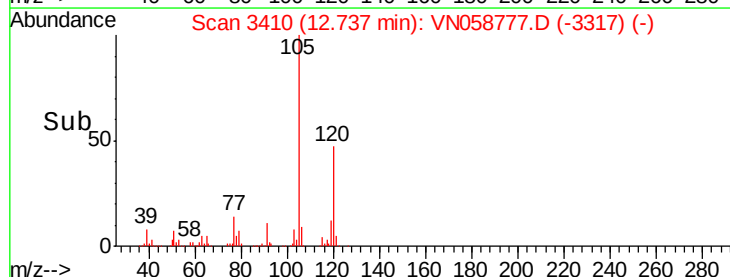
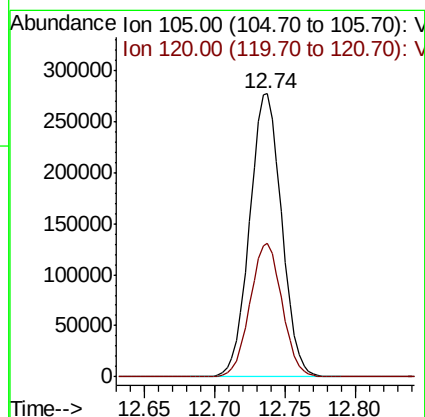
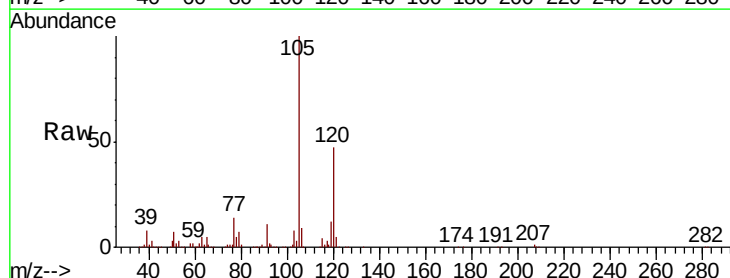
Acq: 15 Oct 2019 13:20

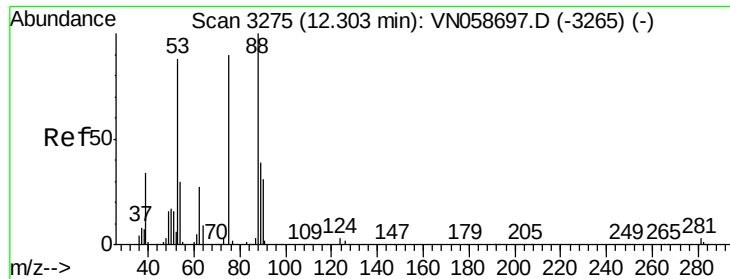
Tgt Ion: 105 Resp: 442010

Ion Ratio Lower Upper

105 100

120 47.2 23.4 70.2





#81

trans-1,4-Dichloro-2-butene

Concen: 21.713 ug/l

RT: 12.30 min Scan# 3275

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

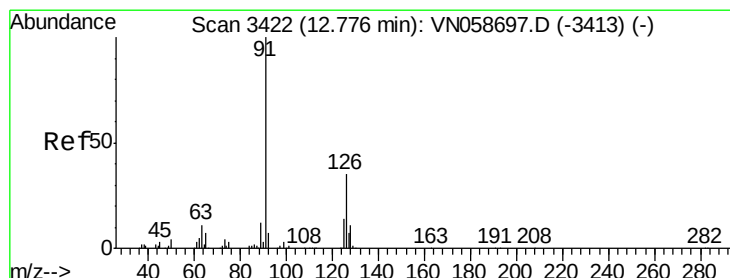
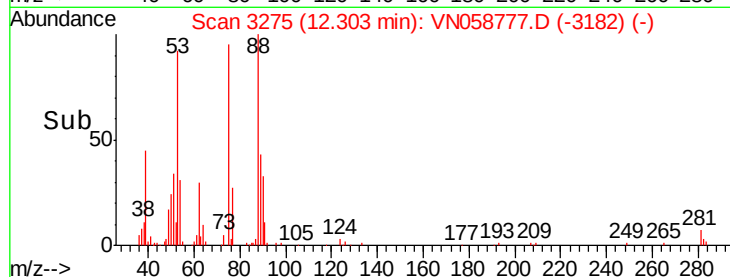
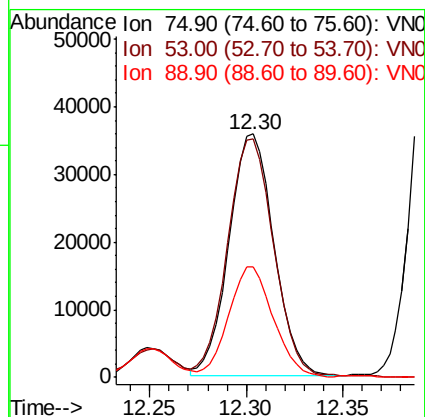
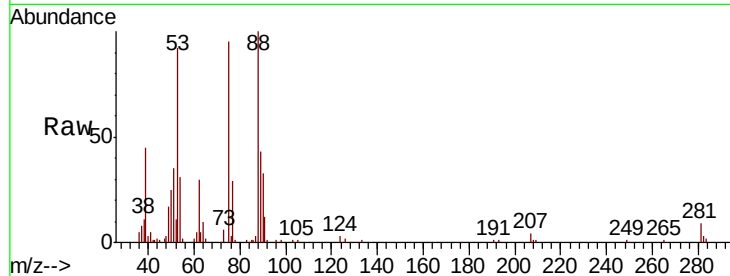
Tot Ion: 75 Resp: 57626

Ion Ratio Lower Upper

75 100

53 102.5 78.4 117.6

89 45.6 34.9 52.3



#82

4-Chlorotoluene

Concen: 21.182 ug/l

RT: 12.78 min Scan# 3422

Delta R.T. -0.00 min

Lab File: VN058777.D

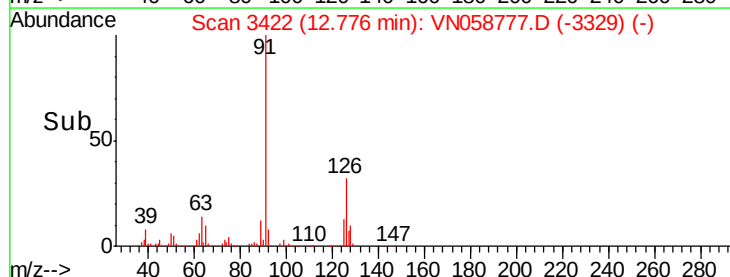
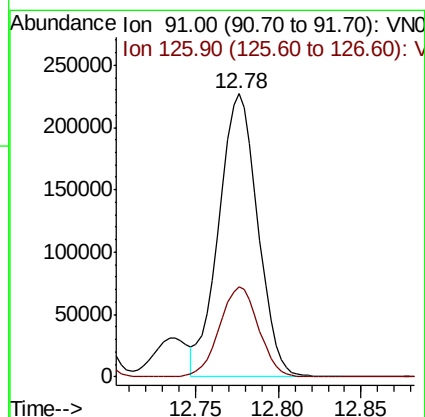
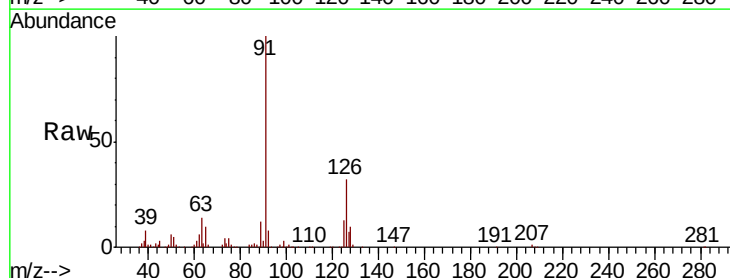
Acq: 15 Oct 2019 13:20

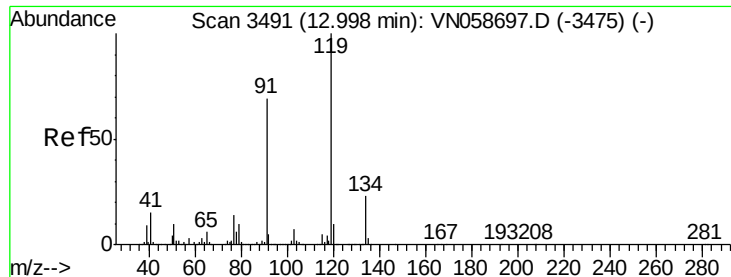
Tgt Ion: 91 Resp: 368959

Ion Ratio Lower Upper

91 100

126 32.1 15.9 47.6

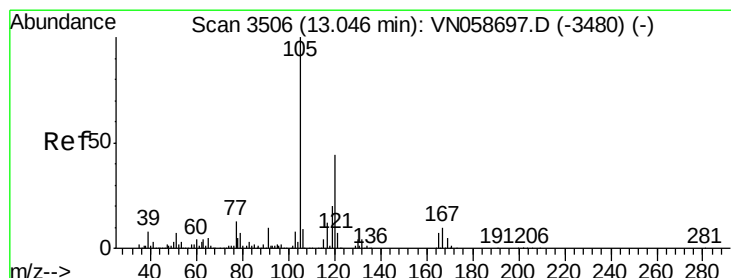
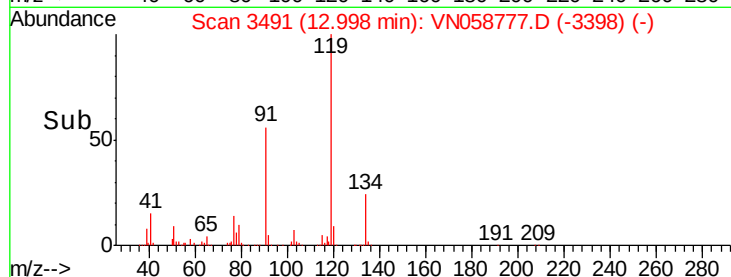
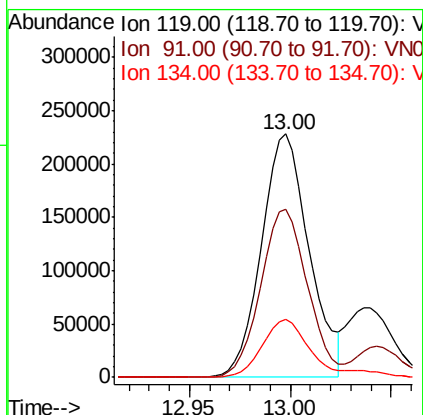
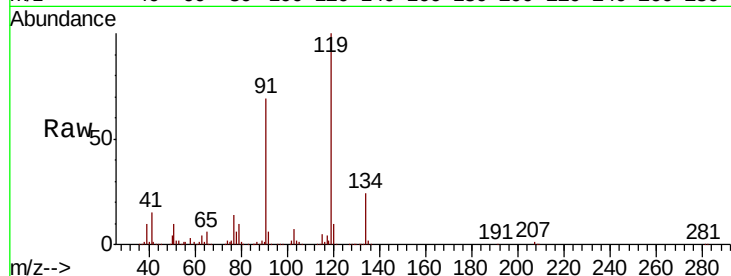




#83
 tert-Butylbenzene
 Concen: 21.915 ug/l
 RT: 13.00 min Scan# 3491
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

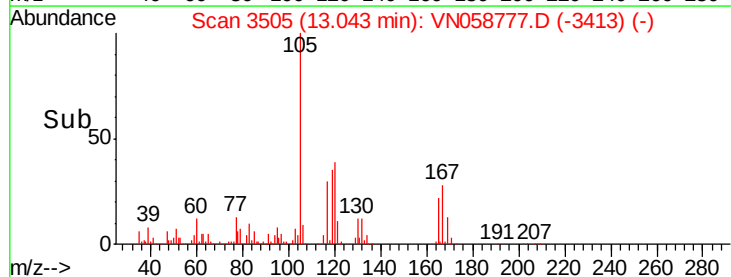
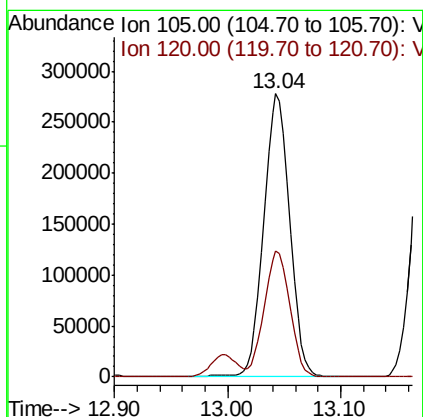
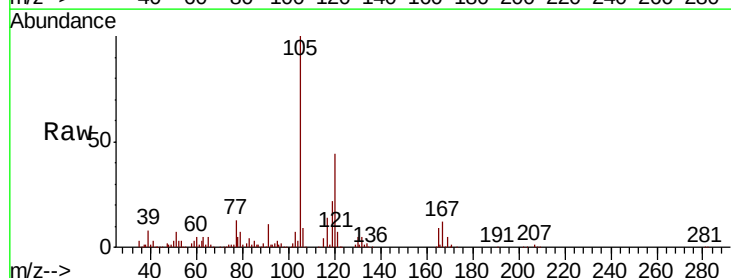
Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

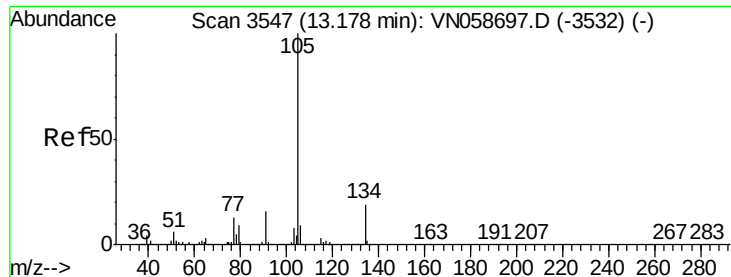
Tot Ion	Ratio	Lower	Upper
119	100		
91	68.2	33.8	101.3
134	23.2	12.6	37.6



#84
 1,2,4-Trimethylbenzene
 Concen: 22.286 ug/l
 RT: 13.04 min Scan# 3506
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
105	100		
120	44.3	21.9	65.7





#85

sec-Butylbenzene

Concen: 22.101 ug/l

RT: 13.18 min Scan# 3547

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

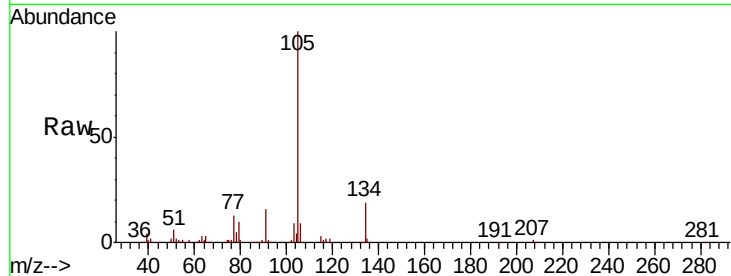
VN1015WBS01

Tot Ion:105 Resp: 499881

Ion Ratio Lower Upper

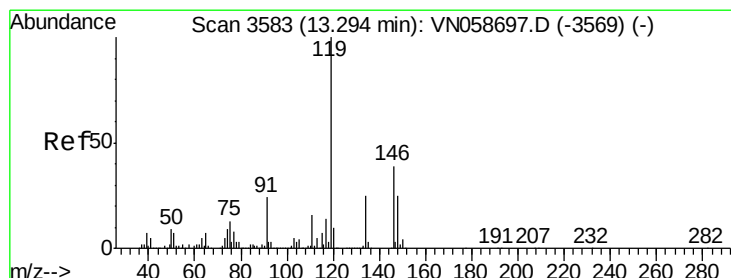
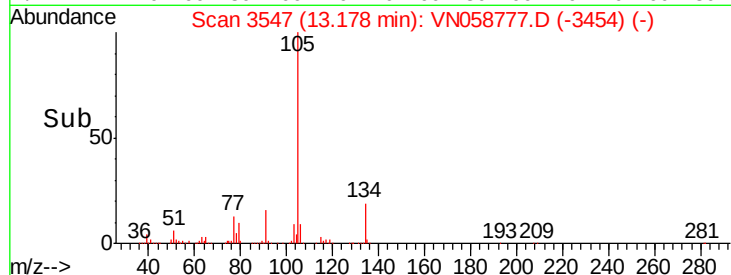
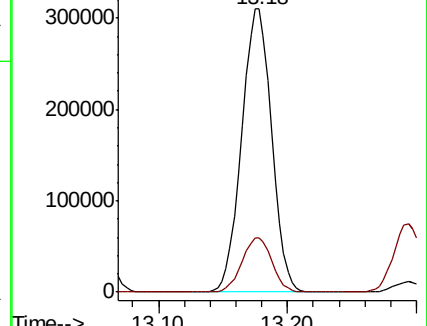
105 100

134 19.3 9.7 29.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 21.923 ug/l

RT: 13.29 min Scan# 3583

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

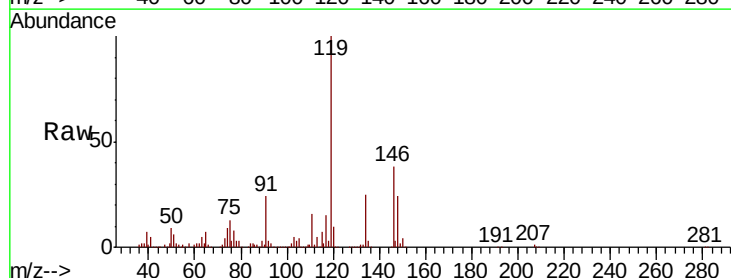
Tgt Ion:119 Resp: 450657

Ion Ratio Lower Upper

119 100

134 25.6 12.7 38.1

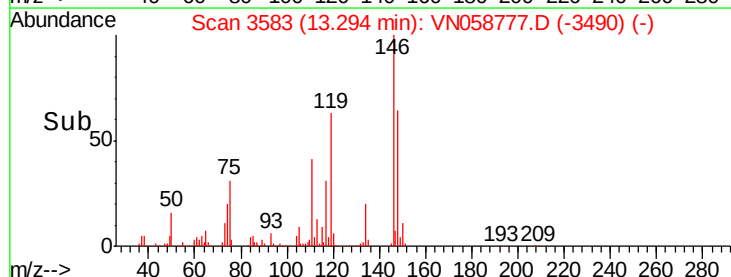
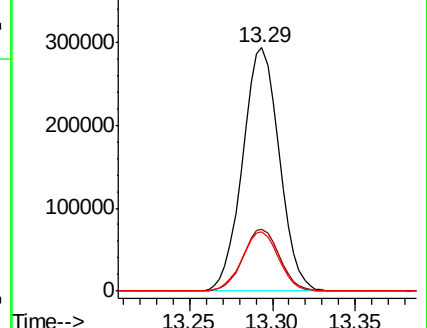
91 24.1 11.9 35.5

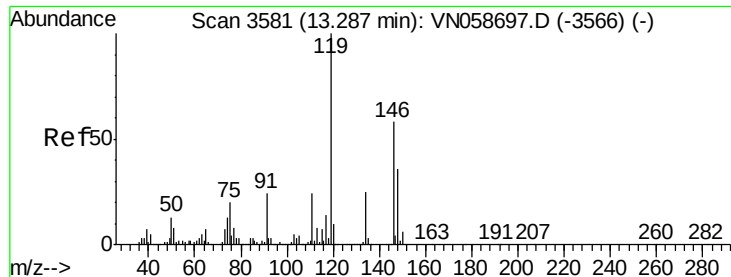


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 20.948 ug/l

RT: 13.29 min Scan# 3581

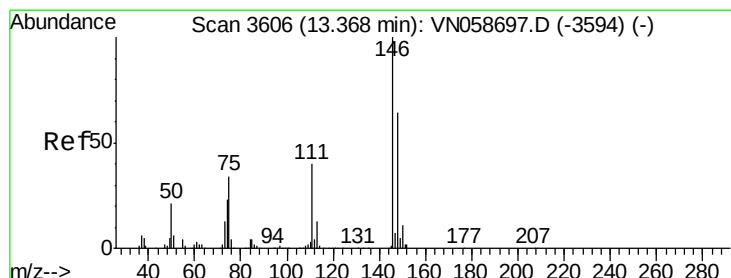
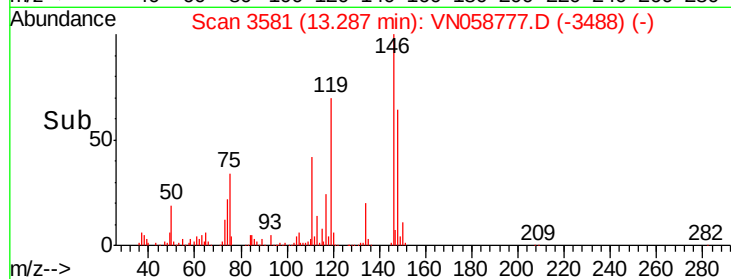
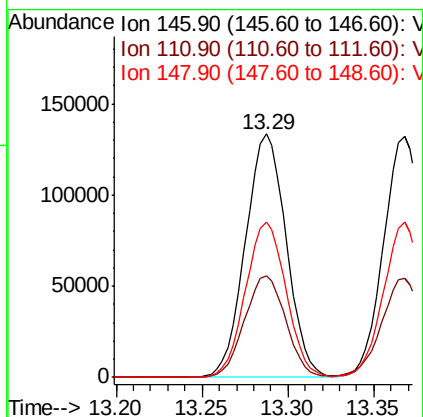
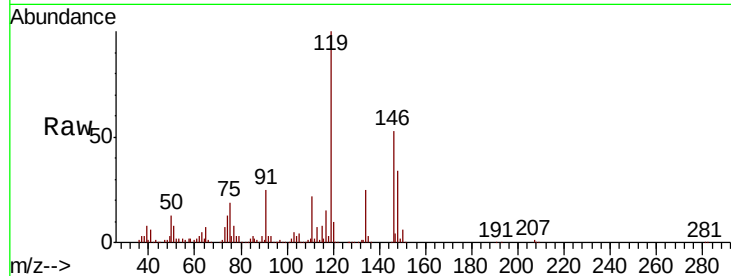
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampleId :
VN1015WBS01

Tot Ion	Ratio	Lower	Upper
146	100		
111	42.0	20.5	61.6
148	63.4	31.3	93.9



#88

1,4-Dichlorobenzene

Concen: 20.117 ug/l

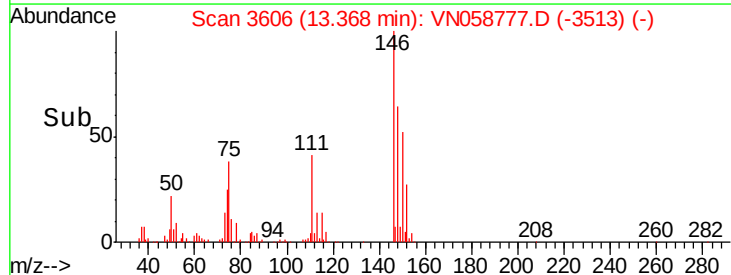
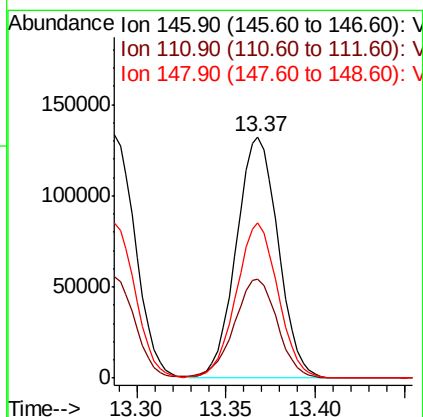
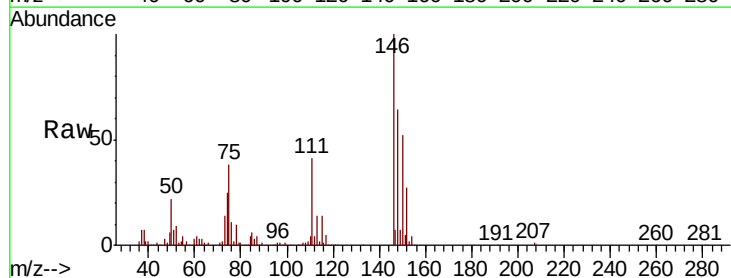
RT: 13.37 min Scan# 3606

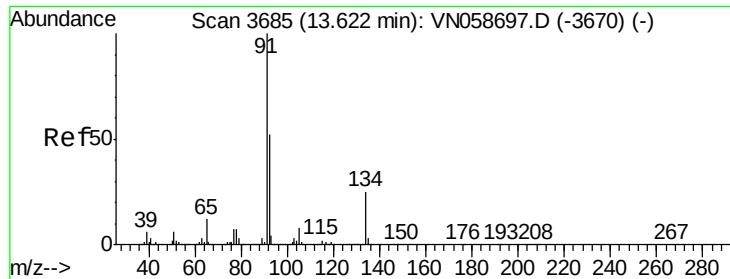
Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
146	100		
111	42.9	20.1	60.2
148	64.6	31.9	95.7





#89

n-Butylbenzene

Concen: 20.870 ug/l

RT: 13.62 min Scan# 3684

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

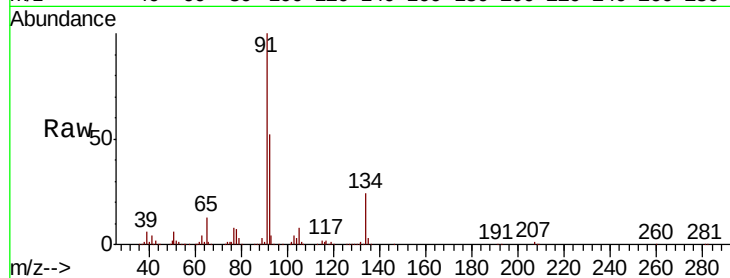
Tot Ion: 91 Resp: 396677

Ion Ratio Lower Upper

91 100

92 52.1 26.0 78.0

134 23.9 12.2 36.6

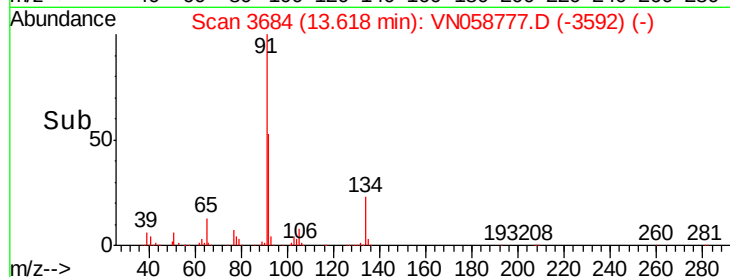


Abundance Ion 91.00 (90.70 to 91.70): VN058697.D (-3670) (-)

Ion 92.00 (91.70 to 92.70): VN058697.D (-3670) (-)

Ion 134.00 (133.70 to 134.70): VN058697.D (-3670) (-)

Time-->

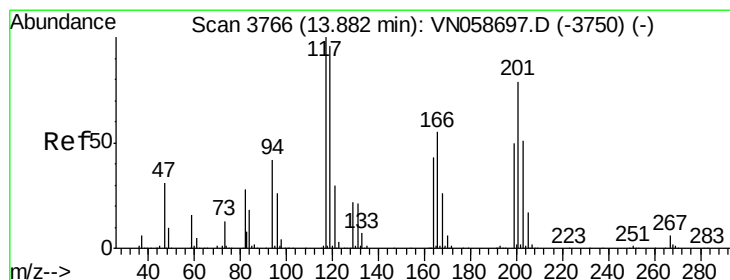


Abundance Ion 91.00 (90.70 to 91.70): VN058777.D (-3592) (-)

Ion 92.00 (91.70 to 92.70): VN058777.D (-3592) (-)

Ion 134.00 (133.70 to 134.70): VN058777.D (-3592) (-)

Time-->



#90

Hexachloroethane

Concen: 22.250 ug/l

RT: 13.88 min Scan# 3765

Delta R.T. -0.00 min

Lab File: VN058777.D

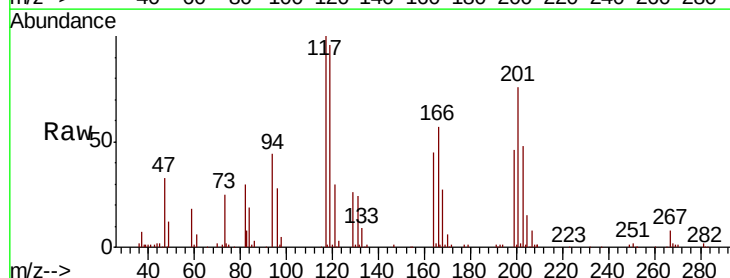
Acq: 15 Oct 2019 13:20

Tgt Ion: 117 Resp: 81840

Ion Ratio Lower Upper

117 100

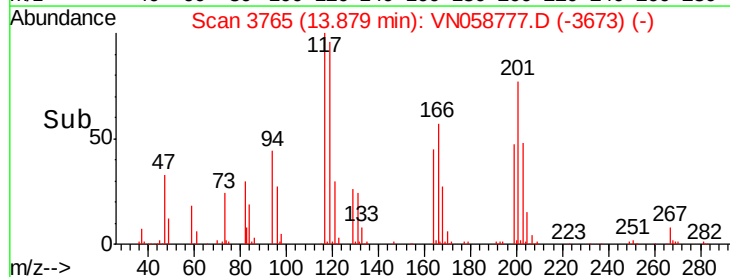
201 76.8 39.6 118.7



Abundance Ion 116.80 (116.50 to 117.50): VN058697.D (-3750) (-)

Ion 200.70 (200.40 to 201.40): VN058697.D (-3750) (-)

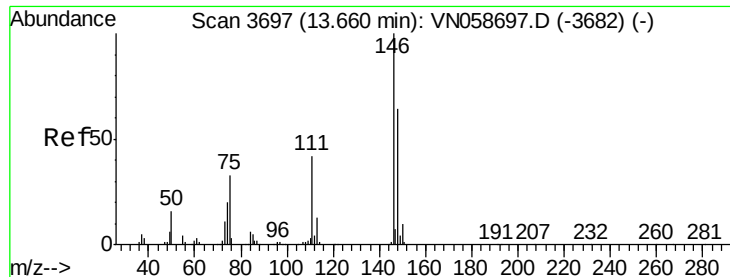
Time-->



Abundance Ion 116.80 (116.50 to 117.50): VN058777.D (-3673) (-)

Ion 200.70 (200.40 to 201.40): VN058777.D (-3673) (-)

Time-->



#91

1,2-Dichlorobenzene

Concen: 21.365 ug/l

RT: 13.66 min Scan# 3696

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

Instrument :

MSVOA_N

ClientSampleId :

VN1015WBS01

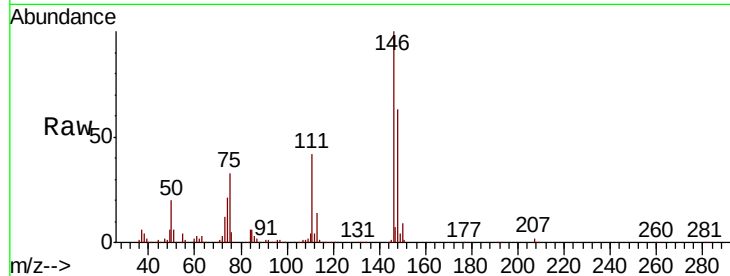
Tot Ion:146 Resp: 219214

Ion Ratio Lower Upper

146 100

111 43.0 21.1 63.4

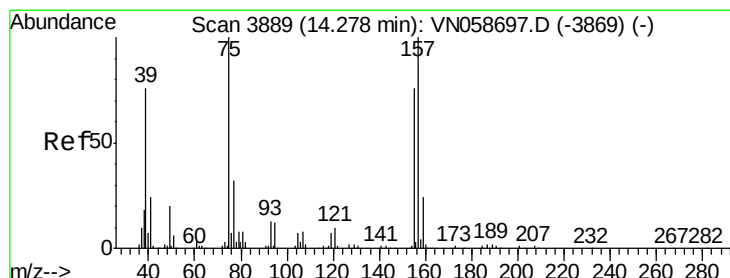
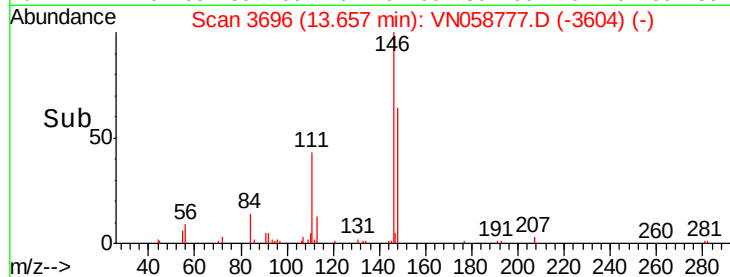
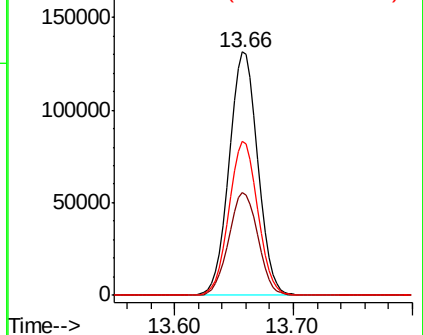
148 63.6 31.8 95.3



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: 20.956 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. -0.00 min

Lab File: VN058777.D

Acq: 15 Oct 2019 13:20

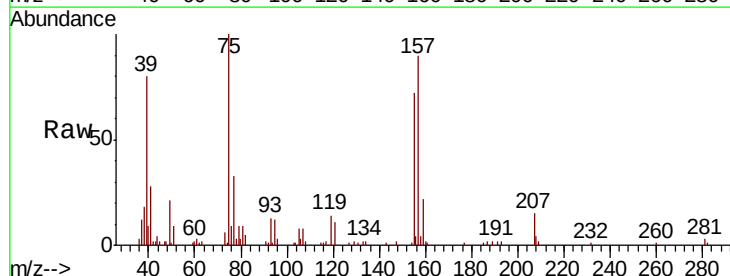
Tgt Ion: 75 Resp: 37852

Ion Ratio Lower Upper

75 100

155 71.9 37.9 113.6

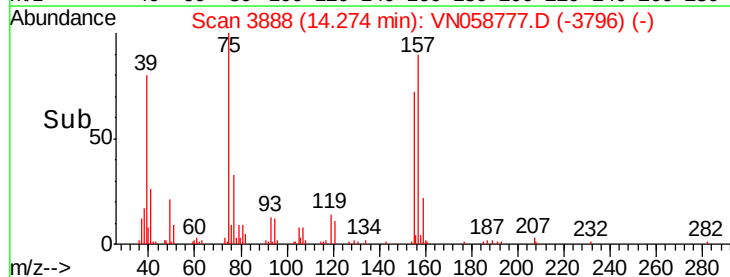
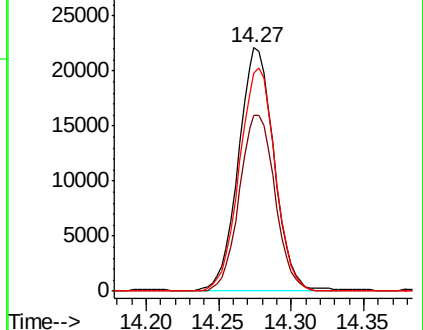
157 91.7 49.4 148.2

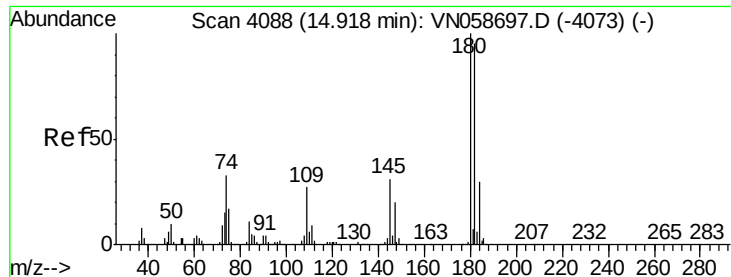


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

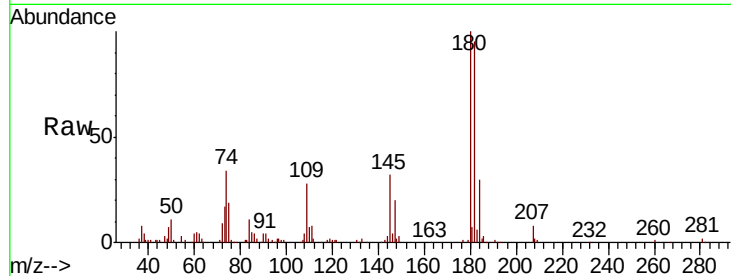




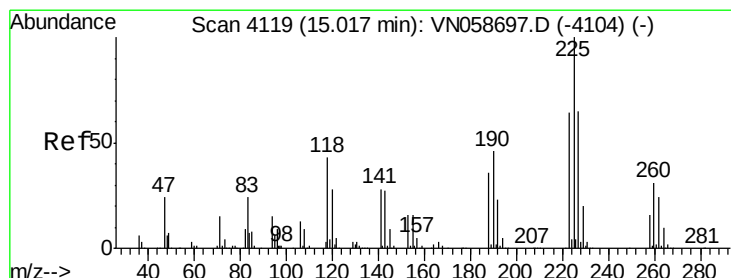
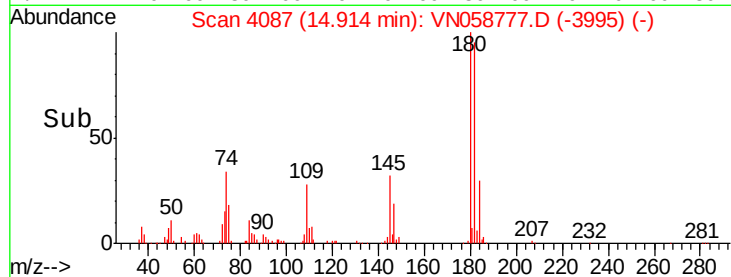
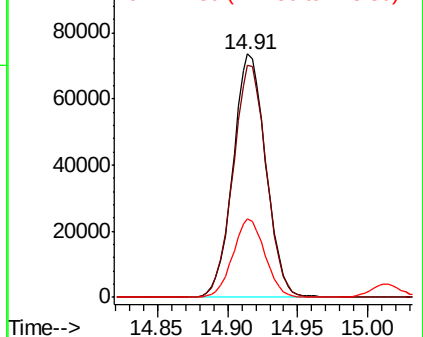
#93
 1,2,4-Trichlorobenzene
 Concen: 19.167 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1015WBS01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	47.4	142.2
145	31.5	15.4	46.2

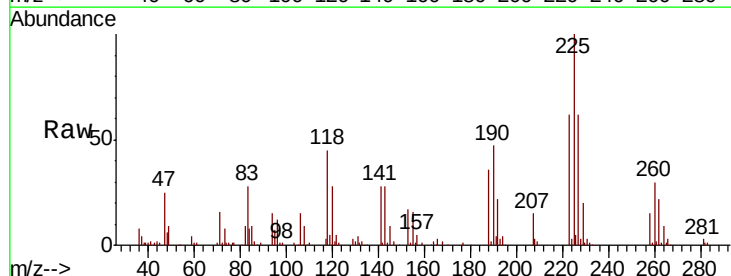


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

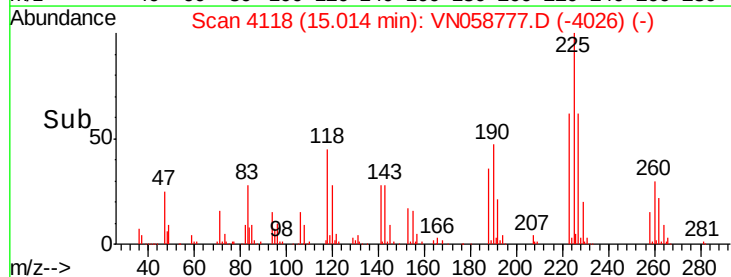
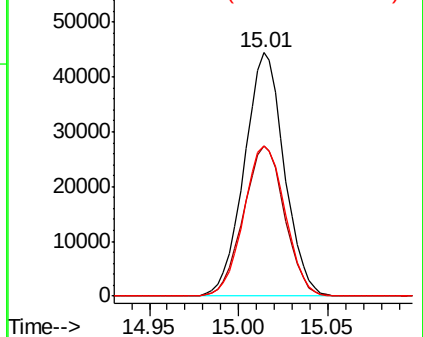


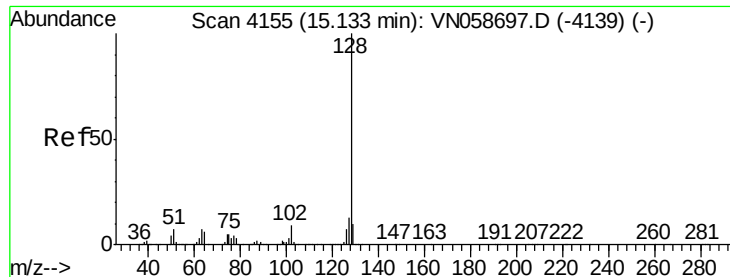
#94
 Hexachlorobutadiene
 Concen: 21.064 ug/l
 RT: 15.01 min Scan# 4118
 Delta R.T. -0.00 min
 Lab File: VN058777.D
 Acq: 15 Oct 2019 13:20

Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.5	32.3	96.8
227	63.8	32.4	97.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

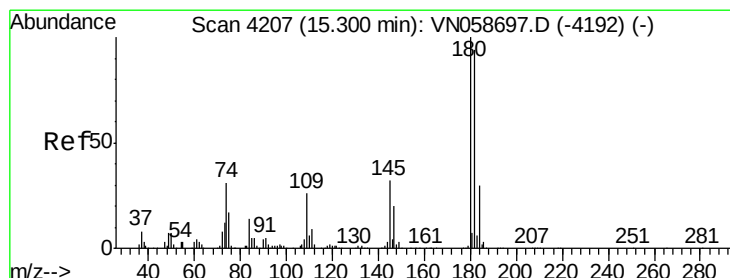
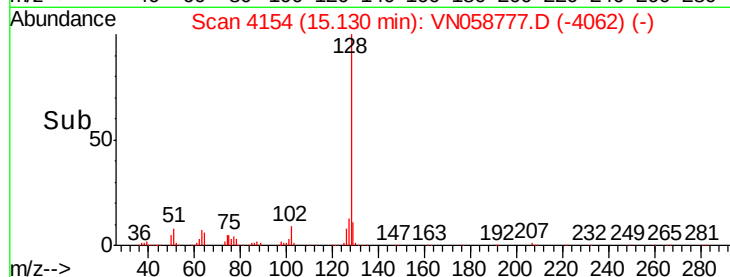
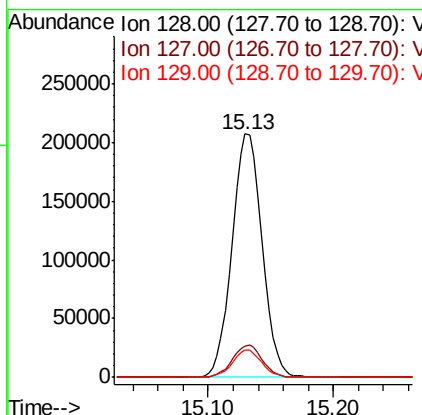
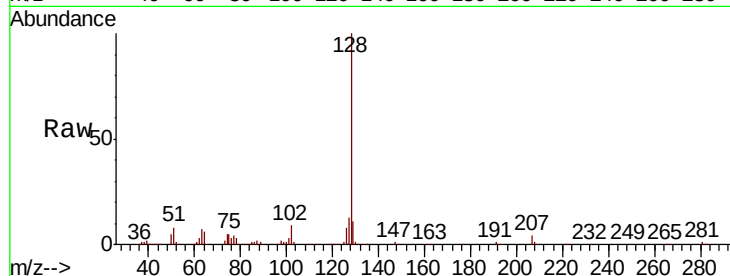




#95
Naphthalene
Concen: 19.203 ug/l
RT: 15.13 min Scan# 4154
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Instrument :
MSVOA_N
ClientSampled :
VN1015WBS01

Tot Ion:128 Resp: 345434
Ion Ratio Lower Upper
128 100
127 13.2 10.2 15.4
129 10.9 8.5 12.7



#96
1,2,3-Trichlorobenzene
Concen: 19.501 ug/l
RT: 15.30 min Scan# 4207
Delta R.T. -0.00 min
Lab File: VN058777.D
Acq: 15 Oct 2019 13:20

Tgt Ion:180 Resp: 119168
Ion Ratio Lower Upper
180 100
182 94.6 47.3 142.0
145 32.2 16.2 48.6

