

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN090219\
 Data File : VN057640.D
 Acq On : 1 Sep 2019 13:31
 Operator : JC/SP
 Sample : VN0902WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Quant Time: Sep 02 01:52:18 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N090119W.M
 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	188682	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	316629	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	288348	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	118725	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	221975	52.08	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.16%	
35) Dibromofluoromethane	7.58	113	137394	49.69	ug/l	0.00
Spiked Amount	50.000		Recovery	=	99.38%	
50) Toluene-d8	10.09	98	534717	50.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.74%	
62) 4-Bromofluorobenzene	12.40	95	186446	46.19	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.38%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.84	85	62260	20.635	ug/l	99
3) Chloromethane	2.05	50	72272	20.778	ug/l	98
4) Vinyl Chloride	2.18	62	57996	21.287	ug/l	97
5) Bromomethane	2.51	94	38136	22.123	ug/l	93
6) Chloroethane	2.66	64	32820	21.567	ug/l	94
7) Trichlorofluoromethane	3.00	101	79653	20.828	ug/l	99
8) Diethyl Ether	3.40	74	26995	21.332	ug/l	94
9) 1,1,2-Trichlorotrifluoroet	3.73	101	39404	20.324	ug/l	95
10) Methyl Iodide	3.92	142	50833	20.307	ug/l	99
11) Tert butyl alcohol	4.81	59	43656	97.654	ug/l #	84
12) 1,1-Dichloroethene	3.71	96	36236	20.618	ug/l	90
13) Acrolein	3.59	56	16718	94.054	ug/l	89
14) Allyl chloride	4.29	41	105567	19.254	ug/l	96
15) Acrylonitrile	4.98	53	142514	106.239	ug/l	96
16) Acetone	3.81	43	111483	93.328	ug/l	99
17) Carbon Disulfide	4.02	76	107705	18.956	ug/l	98
18) Methyl Acetate	4.31	43	82334	20.074	ug/l	99
19) Methyl tert-butyl Ether	5.03	73	191009	21.007	ug/l	100
20) Methylene Chloride	4.53	84	62302	21.068	ug/l	92
21) trans-1,2-Dichloroethene	5.01	96	53734	20.565	ug/l	97
22) Diisopropyl ether	5.94	45	233726	20.737	ug/l	99
23) Vinyl Acetate	5.88	43	902186	104.152	ug/l	100
24) 1,1-Dichloroethane	5.82	63	117463	20.761	ug/l	98
25) 2-Butanone	6.83	43	198994	99.975	ug/l	98
26) 2,2-Dichloropropane	6.81	77	87666	19.385	ug/l	97
27) cis-1,2-Dichloroethene	6.81	96	64722	20.743	ug/l	99
28) Bromochloromethane	7.18	49	61946	20.560	ug/l	99
29) Tetrahydrofuran	7.20	42	129962	104.073	ug/l	100
30) Chloroform	7.36	83	117043	20.392	ug/l	99
31) Cyclohexane	7.64	56	113903	20.171	ug/l	96
32) 1,1,1-Trichloroethane	7.55	97	97390	20.685	ug/l	98
36) 1,1-Dichloropropene	7.78	75	83650	19.927	ug/l	98
37) Ethyl Acetate	6.92	43	83912	20.985	ug/l	99
38) Carbon Tetrachloride	7.75	117	73121	19.459	ug/l	96

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 Quant Title : SW846 8260
 QLast Update : Sat Aug 31 15:54:32 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	98837	19.928	ug/l	97
40) Benzene	8.03	78	251521	20.583	ug/l	100
41) Methacrylonitrile	7.17	41	40176	19.389	ug/l	98
42) 1,2-Dichloroethane	8.11	62	105509	21.258	ug/l	99
43) Isopropyl Acetate	8.16	43	146479	20.361	ug/l	99
44) Trichloroethene	8.83	130	57416	20.712	ug/l	97
45) 1,2-Dichloropropane	9.11	63	71984	21.149	ug/l	98
46) Dibromomethane	9.20	93	44468	21.100	ug/l	97
47) Bromodichloromethane	9.39	83	83760	19.562	ug/l	98
48) Methyl methacrylate	9.20	41	75997	20.690	ug/l	96
49) 1,4-Dioxane	9.20	88	17044	396.272	ug/l	90
51) 4-Methyl-2-Pentanone	9.98	43	434508	105.378	ug/l	99
52) Toluene	10.15	92	150441	20.830	ug/l	97
53) t-1,3-Dichloropropene	10.38	75	83890	19.629	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	97166	19.636	ug/l	100
55) 1,1,2-Trichloroethane	10.56	97	58374	21.303	ug/l	98
56) Ethyl methacrylate	10.43	69	91003	19.901	ug/l	96
57) 1,3-Dichloropropane	10.71	76	103858	20.659	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	124190	92.829	ug/l	99
59) 2-Hexanone	10.75	43	300004	99.077	ug/l	96
60) Dibromochloromethane	10.90	129	51166	19.370	ug/l	99
61) 1,2-Dibromoethane	11.00	107	56073	20.323	ug/l	98
64) Tetrachloroethene	10.63	164	52191	20.903	ug/l	98
65) Chlorobenzene	11.43	112	149822	20.735	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.51	131	49840	19.778	ug/l	98
67) Ethyl Benzene	11.51	91	293114	20.879	ug/l	99
68) m/p-Xylenes	11.62	106	199776	40.393	ug/l	97
69) o-Xylene	11.95	106	100573	20.983	ug/l	95
70) Styrene	11.96	104	153662	19.476	ug/l	98
71) Bromoform	12.12	173	26707	18.705	ug/l #	100
73) Isopropylbenzene	12.25	105	268670	22.414	ug/l	98
74) N-amyl acetate	12.07	43	120243	21.256	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	77117	21.828	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	95823	30.683	ug/l #	100
77) Bromobenzene	12.53	156	56896	22.301	ug/l	98
78) n-propylbenzene	12.59	91	290556	21.778	ug/l	99
79) 2-Chlorotoluene	12.67	91	183558	22.064	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	220429	22.353	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	16933	18.586	ug/l	96
82) 4-Chlorotoluene	12.77	91	173927	21.121	ug/l	99
83) tert-Butylbenzene	12.99	119	189559	22.654	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	204758	21.462	ug/l	100
85) sec-Butylbenzene	13.17	105	236509	21.014	ug/l	99
86) p-Isopropyltoluene	13.29	119	199449	21.428	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	84733	20.386	ug/l	99
88) 1,4-Dichlorobenzene	13.37	146	82332	20.507	ug/l	96
89) n-Butylbenzene	13.62	91	180095	20.647	ug/l	100
90) Hexachloroethane	13.88	117	30016	18.575	ug/l	98
91) 1,2-Dichlorobenzene	13.66	146	81625	20.580	ug/l	96
92) 1,2-Dibromo-3-Chloropropan	14.28	75	10629	19.539	ug/l	96

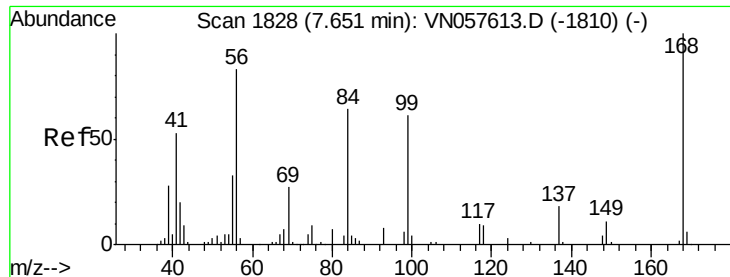
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Quant Title : SW846 8260
QLast Update : Sat Aug 31 15:54:32 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	24911	20.366	ug/l	97
94) Hexachlorobutadiene	15.01	225	26132	19.200	ug/l	97
95) Naphthalene	15.13	128	77677	20.064	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	25182	20.115	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

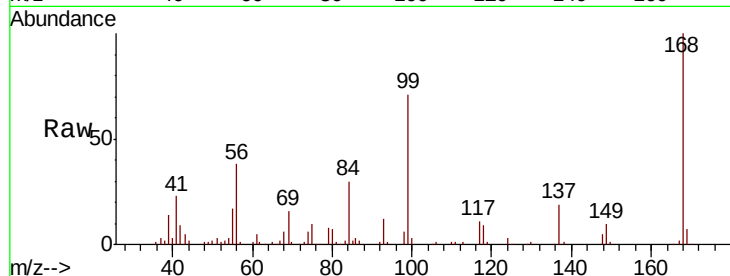
VN0902WBS01

Tgt Ion:168 Resp: 188682

Ion Ratio Lower Upper

168 100

99 70.7 54.2 81.2



Abundance Ion 167.90 (167.60 to 168.60): VN057613.D (-1810) (-)

Ion 98.90 (98.60 to 99.60): VN057613.D (-1810) (-)

7.65

80000

60000

40000

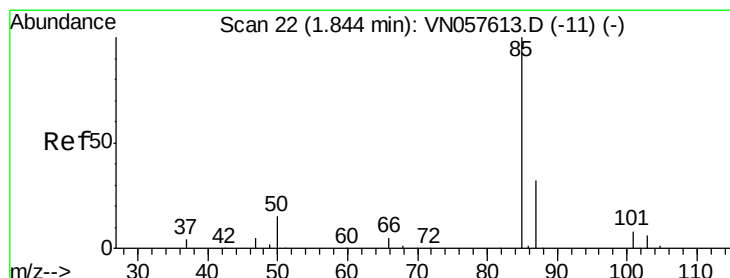
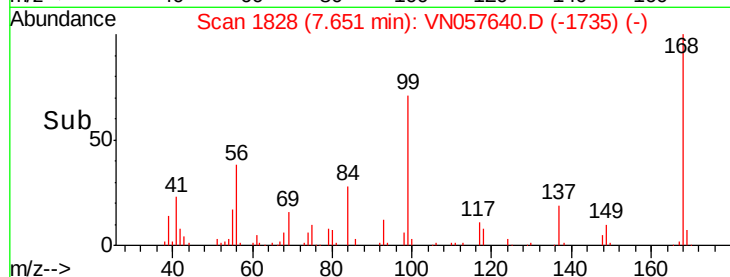
20000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 20.635 ug/l

RT: 1.84 min Scan# 22

Delta R.T. 0.00 min

Lab File: VN057640.D

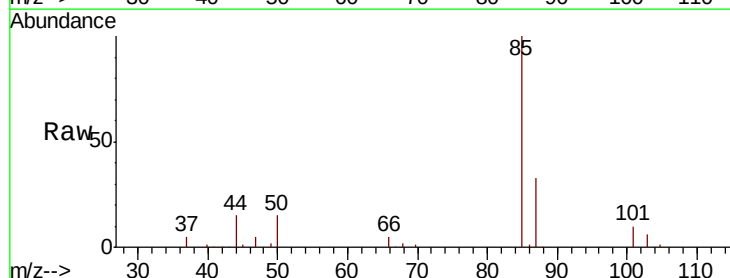
Acq: 1 Sep 2019 13:31

Tgt Ion: 85 Resp: 62260

Ion Ratio Lower Upper

85 100

87 33.0 16.2 48.6



Abundance Ion 84.90 (84.60 to 85.60): VN057613.D (-11) (-)

Ion 86.90 (86.60 to 87.60): VN057613.D (-11) (-)

1.84

50000

40000

30000

20000

10000

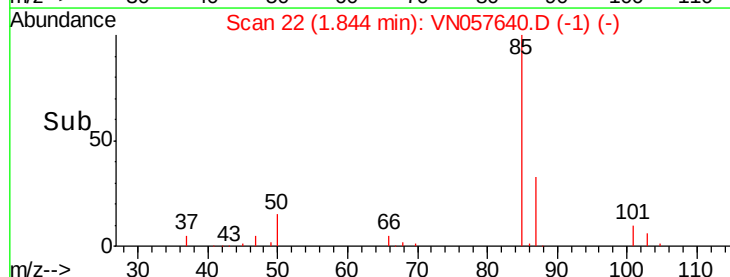
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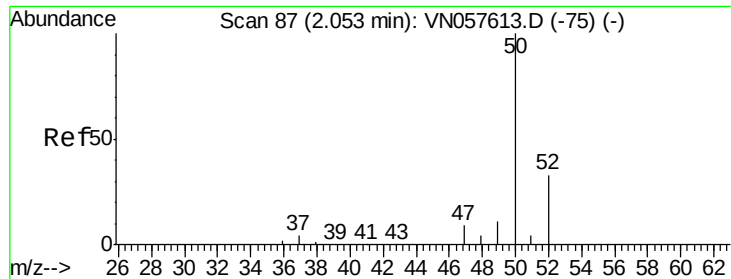
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 20.778 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

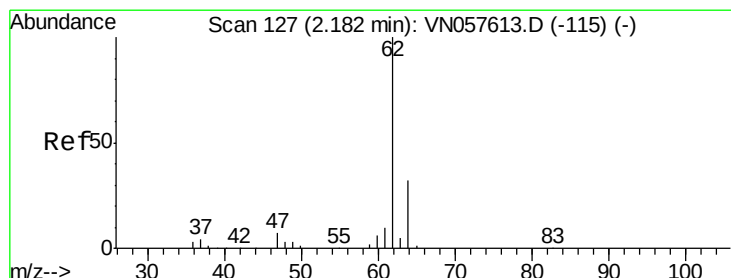
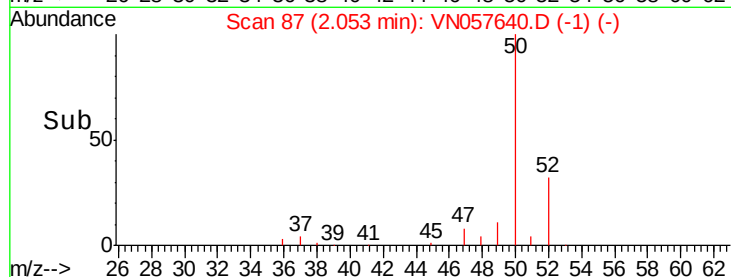
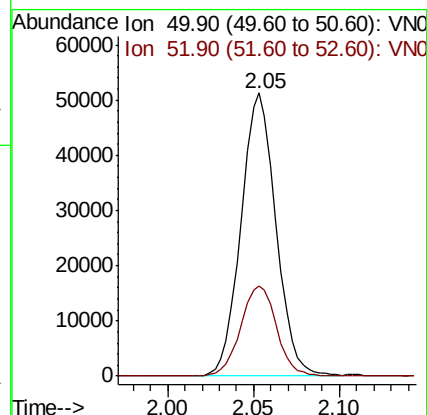
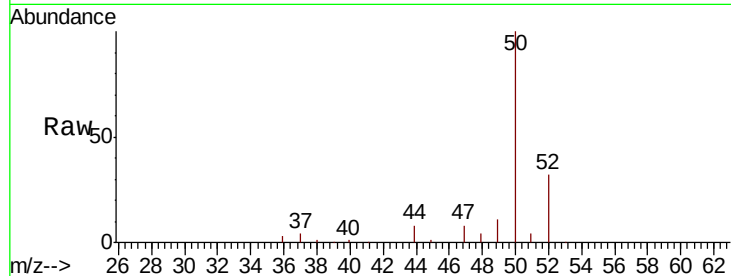
VN0902WBS01

Tgt Ion: 50 Resp: 72272

Ion Ratio Lower Upper

50 100

52 32.0 26.7 40.1



#4

Vinyl Chloride

Concen: 21.287 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057640.D

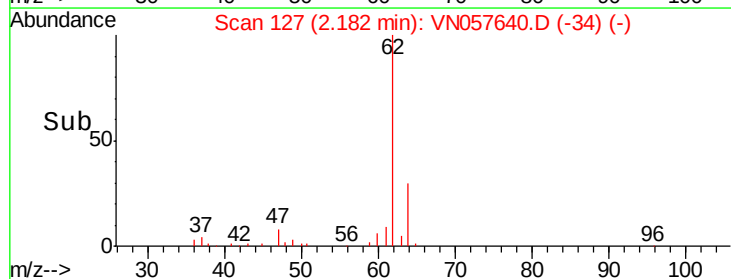
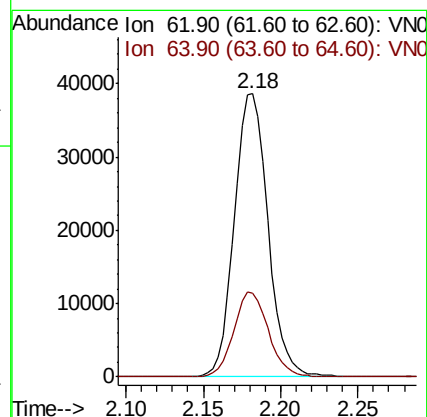
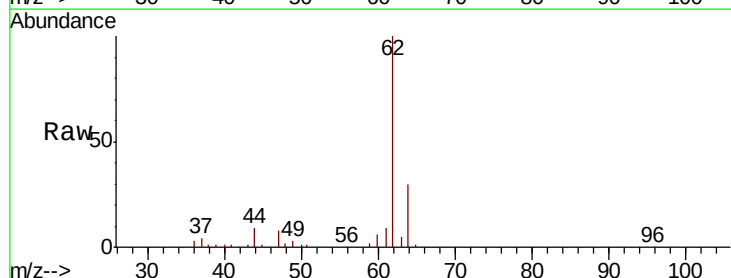
Acq: 1 Sep 2019 13:31

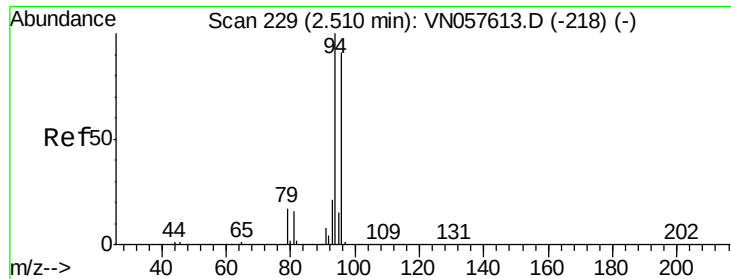
Tgt Ion: 62 Resp: 57996

Ion Ratio Lower Upper

62 100

64 29.8 25.2 37.8





#5

Bromomethane

Concen: 22.123 ug/l

RT: 2.51 min Scan# 230

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

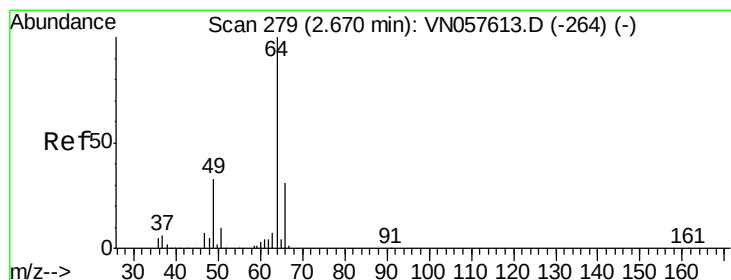
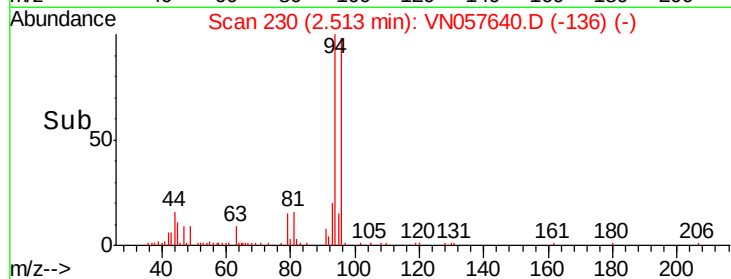
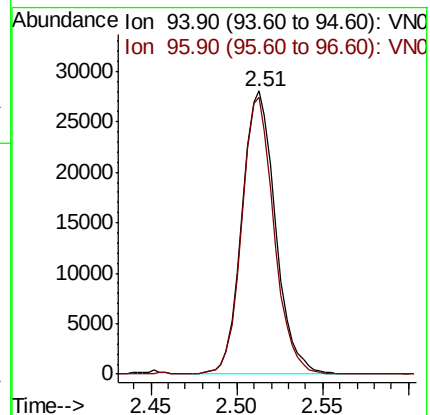
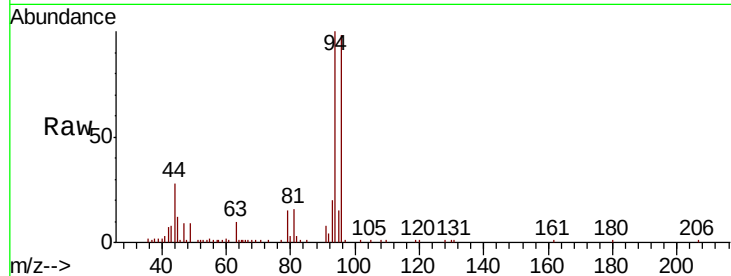
VN0902WBS01

Tgt Ion: 94 Resp: 38136

Ion Ratio Lower Upper

94 100

96 97.7 72.9 109.3



#6

Chloroethane

Concen: 21.567 ug/l

RT: 2.66 min Scan# 277

Delta R.T. -0.01 min

Lab File: VN057640.D

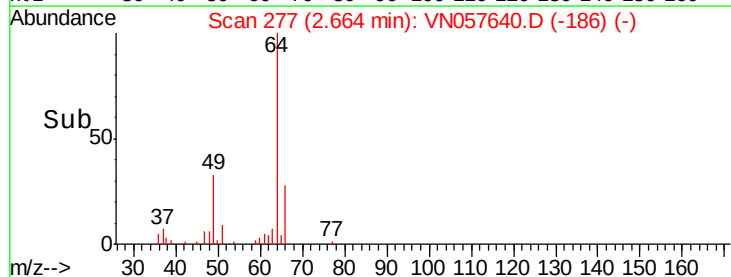
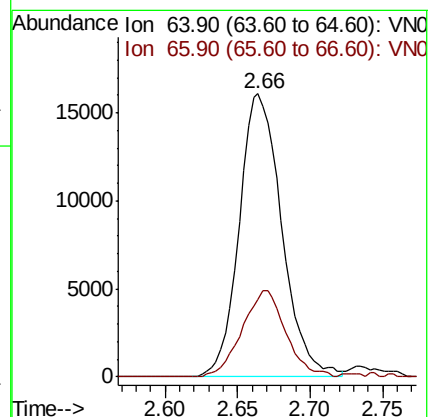
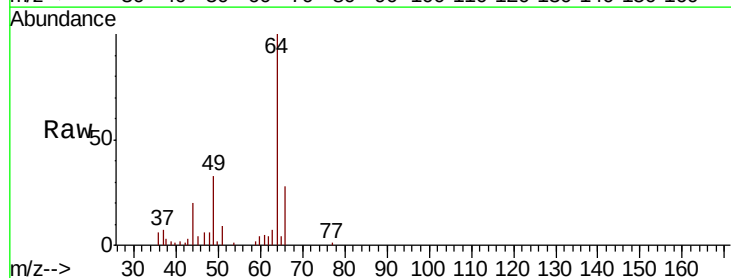
Acq: 1 Sep 2019 13:31

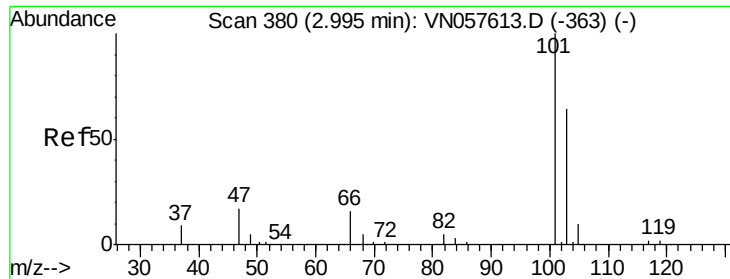
Tgt Ion: 64 Resp: 32820

Ion Ratio Lower Upper

64 100

66 27.5 24.7 37.1



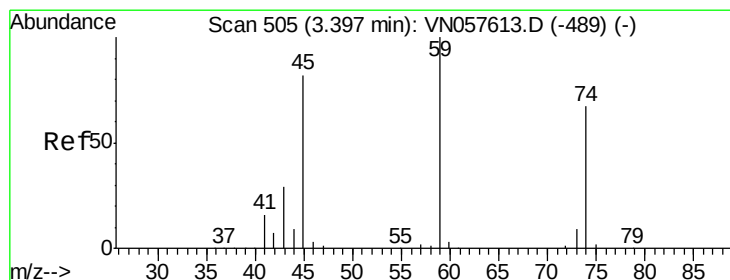
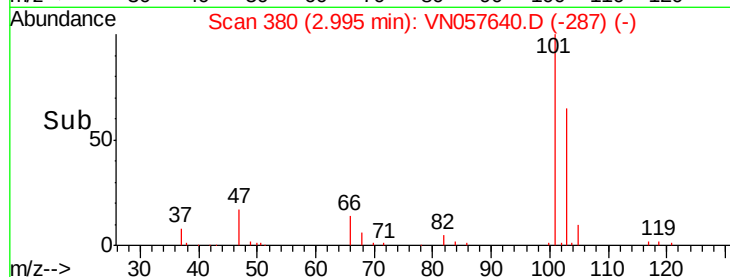
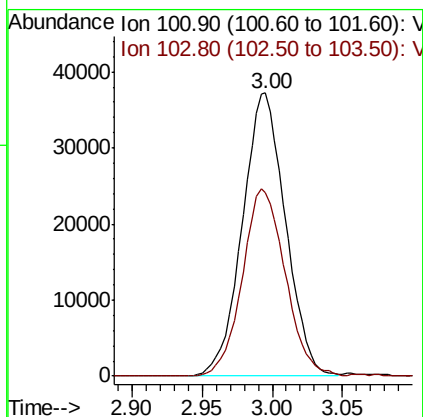
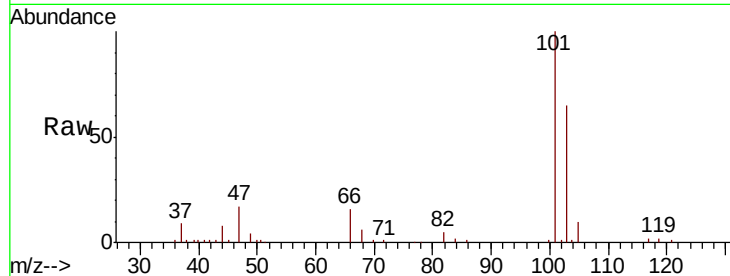


#7

Trichlorofluoromethane
Concen: 20.828 ug/l
RT: 3.00 min Scan# 380
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
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VN0902WBS01

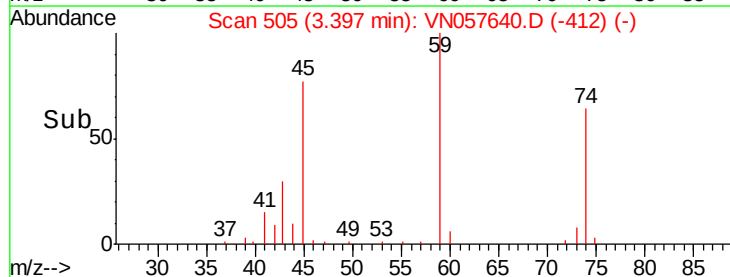
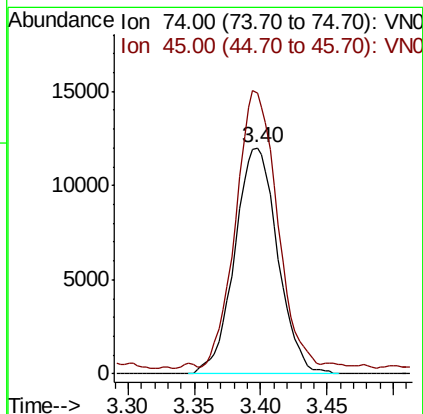
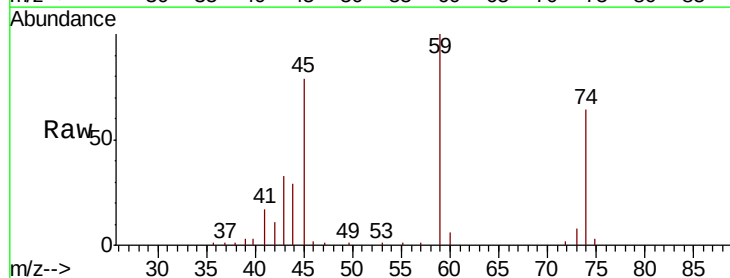
Tgt Ion: 101 Resp: 79653
Ion Ratio Lower Upper
101 100
103 64.6 51.3 76.9

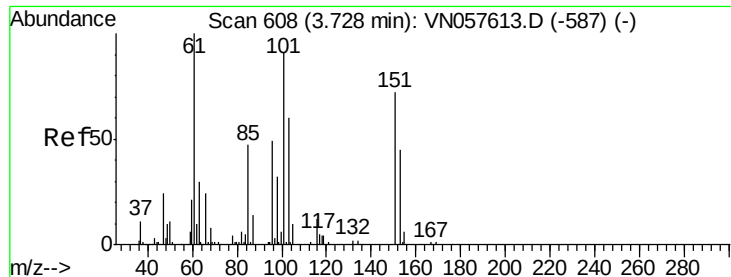


#8

Diethyl Ether
Concen: 21.332 ug/l
RT: 3.40 min Scan# 505
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 74 Resp: 26995
Ion Ratio Lower Upper
74 100
45 116.8 61.9 185.7





#9

1,1,2-Trichlorotrifluoroethane

Concen: 20.324 ug/l

RT: 3.73 min Scan# 609

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

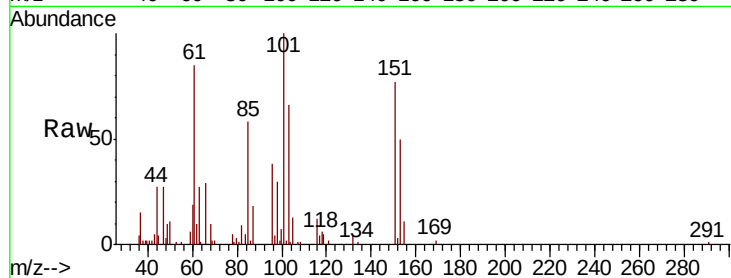
Tgt Ion:101 Resp: 39404

Ion Ratio Lower Upper

101 100

85 55.4 42.1 63.1

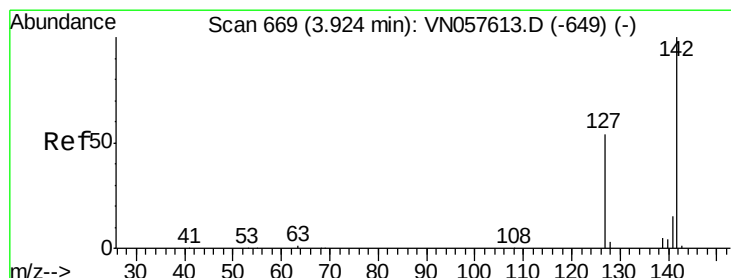
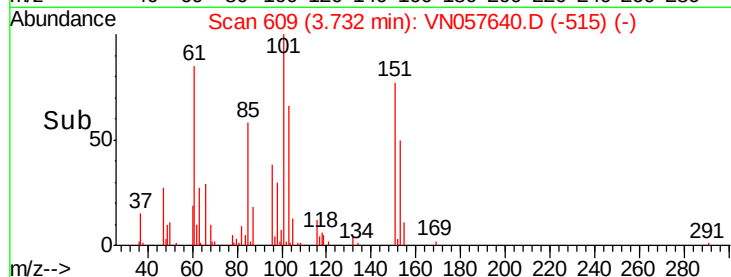
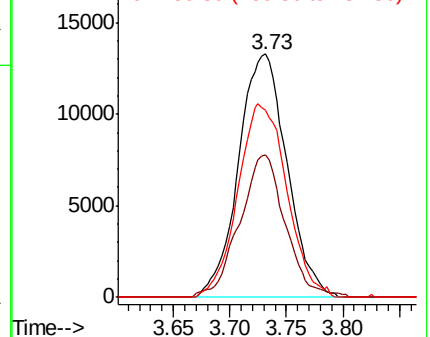
151 80.7 60.2 90.4



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 20.307 ug/l

RT: 3.92 min Scan# 669

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

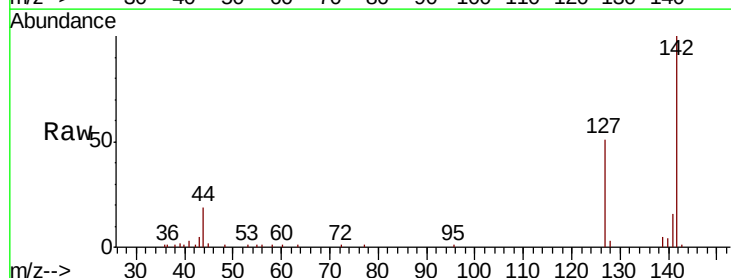
Tgt Ion:142 Resp: 50833

Ion Ratio Lower Upper

142 100

127 53.0 43.0 64.6

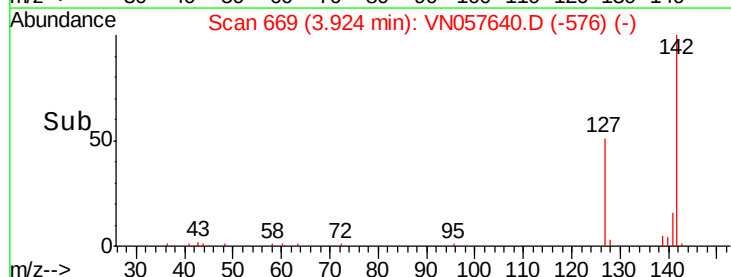
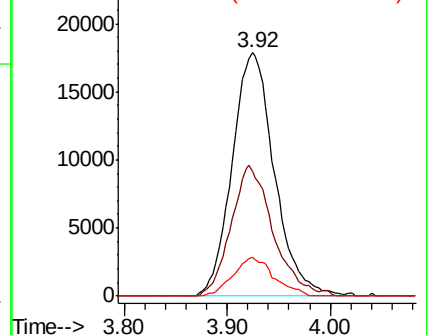
141 15.4 11.4 17.2

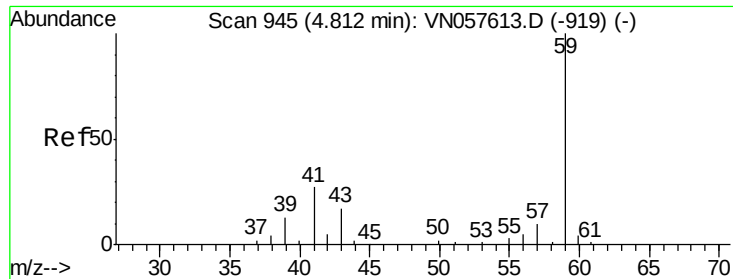


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

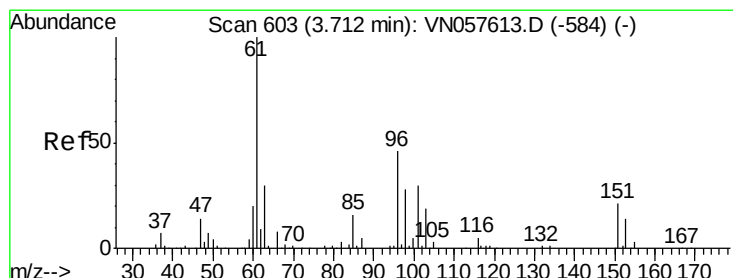
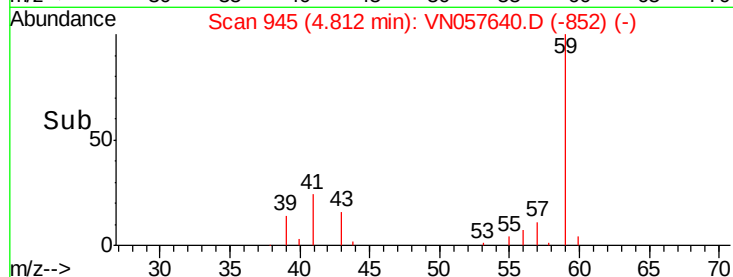
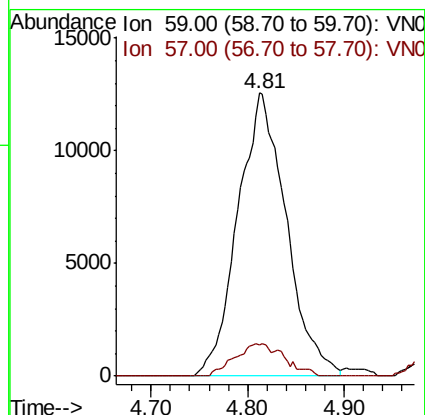
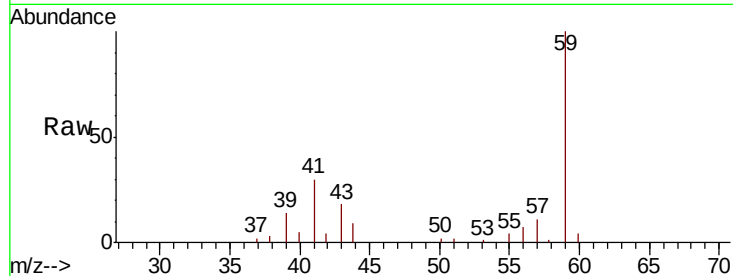




#11
Tert butyl alcohol
Concen: 97.654 ug/l
RT: 4.81 min Scan# 945
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

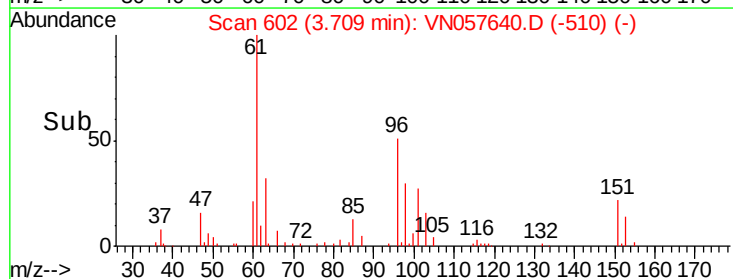
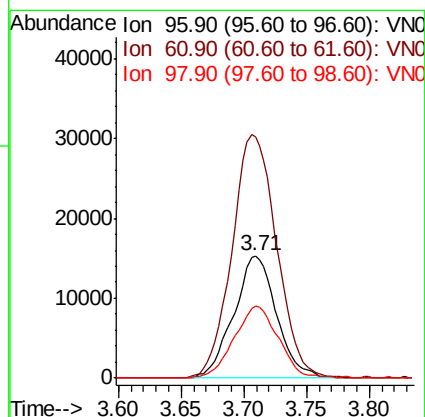
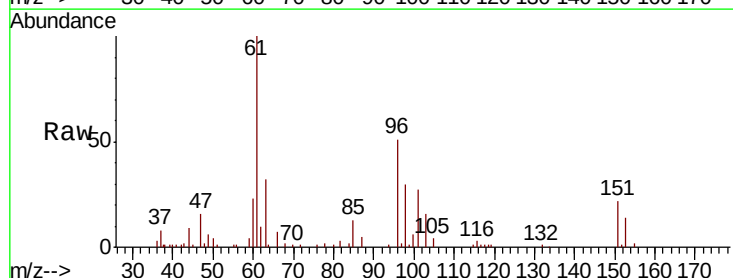
Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

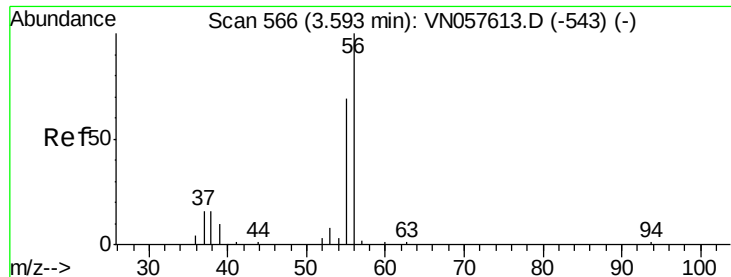
Tgt Ion: 59 Resp: 43656
Ion Ratio Lower Upper
59 100
57 11.6 5.0 7.6#



#12
1,1-Dichloroethene
Concen: 20.618 ug/l
RT: 3.71 min Scan# 602
Delta R.T. -0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 96 Resp: 36236
Ion Ratio Lower Upper
96 100
61 195.7 172.1 258.1
98 58.8 48.3 72.5

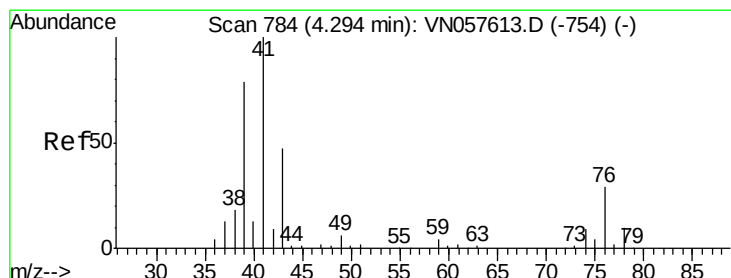
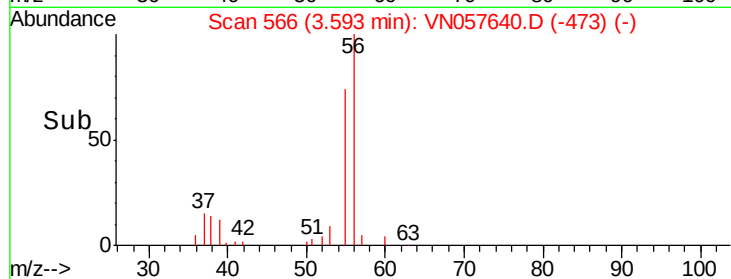
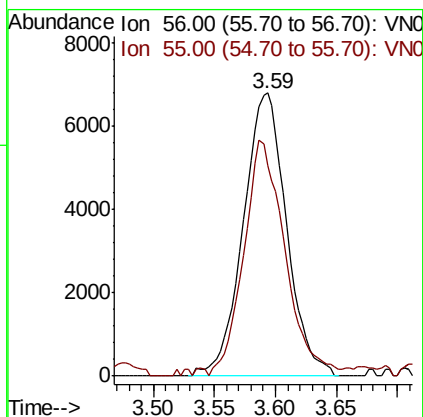
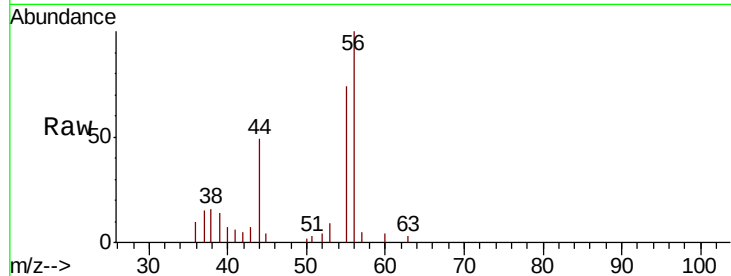




#13
Acrolein
Concen: 94.054 ug/l
RT: 3.59 min Scan# 566
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

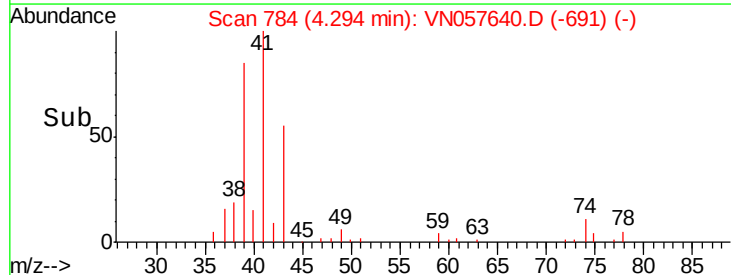
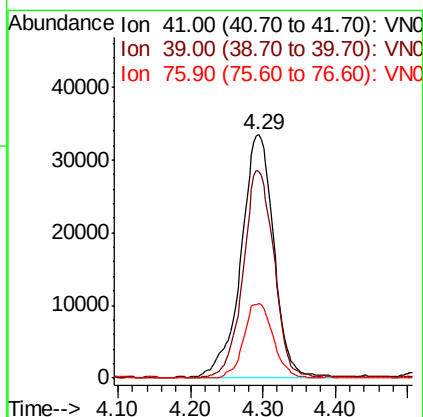
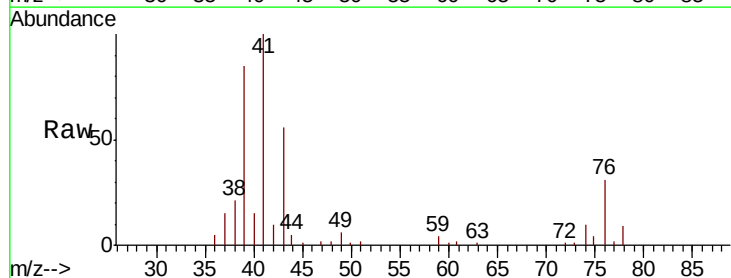
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

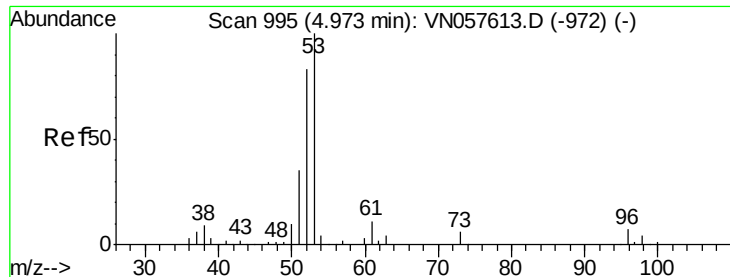
Tgt Ion: 56 Resp: 16718
Ion Ratio Lower Upper
56 100
55 79.4 56.5 84.7



#14
Allyl chloride
Concen: 19.254 ug/l
RT: 4.29 min Scan# 784
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 41 Resp: 105567
Ion Ratio Lower Upper
41 100
39 80.1 60.9 91.3
76 27.5 21.1 31.7





#15

Acrylonitrile

Concen: 106.239 ug/l

RT: 4.98 min Scan# 996

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

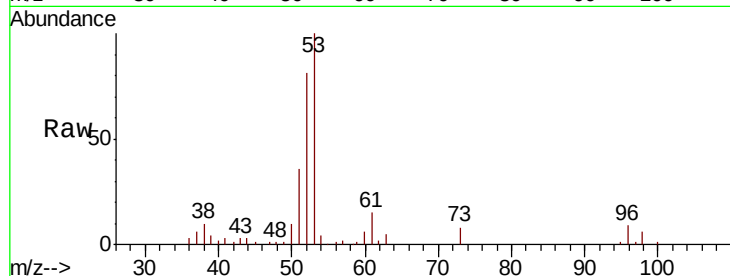
Tgt Ion: 53 Resp: 142514

Ion Ratio Lower Upper

53 100

52 80.0 67.1 100.7

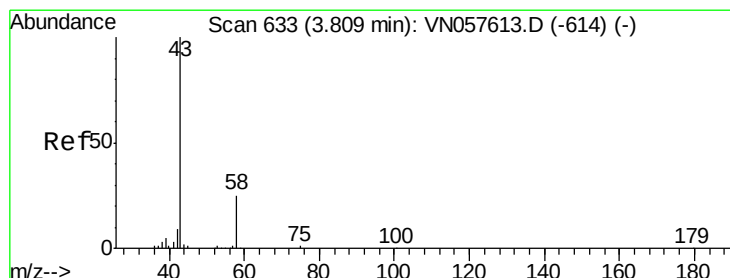
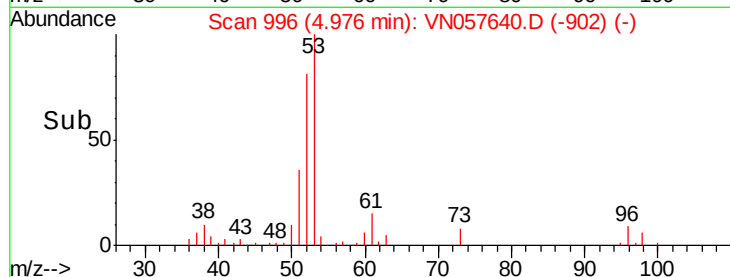
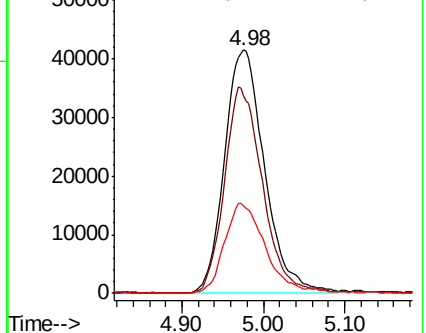
51 36.7 30.2 45.4



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 93.328 ug/l

RT: 3.81 min Scan# 633

Delta R.T. 0.00 min

Lab File: VN057640.D

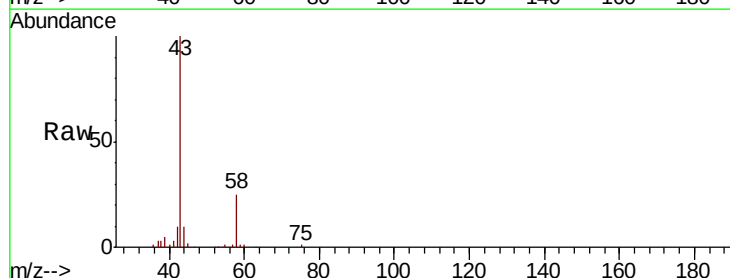
Acq: 1 Sep 2019 13:31

Tgt Ion: 43 Resp: 111483

Ion Ratio Lower Upper

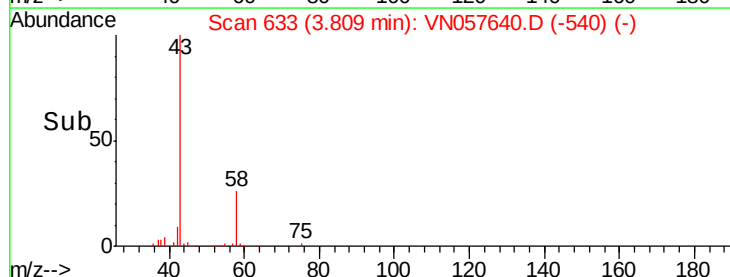
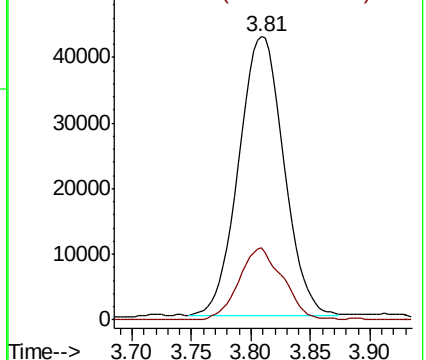
43 100

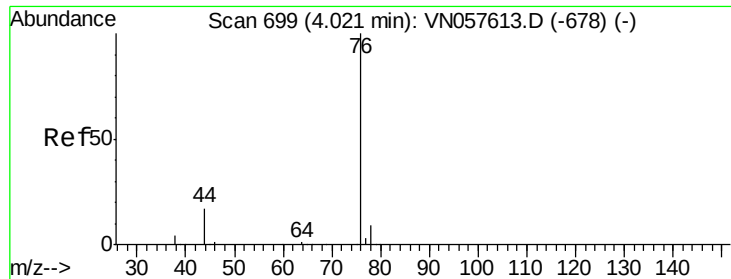
58 25.4 20.0 30.0



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

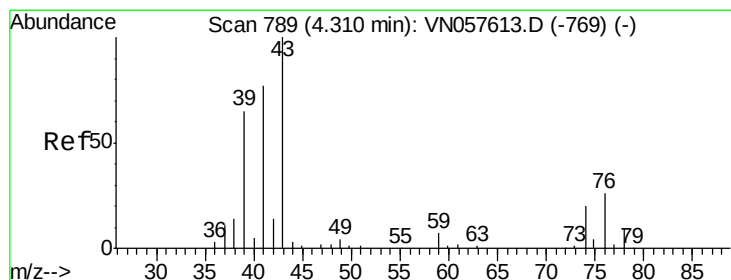
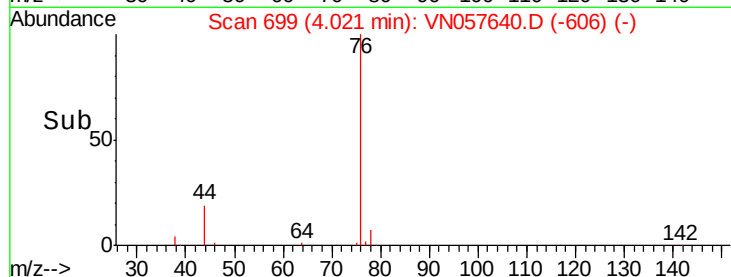
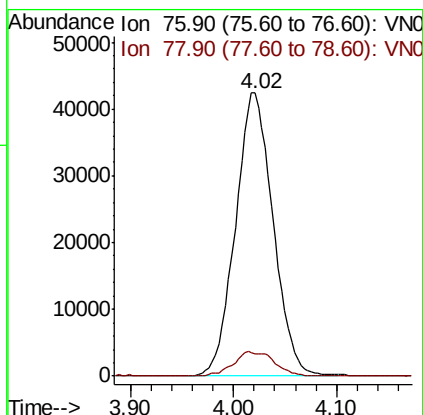
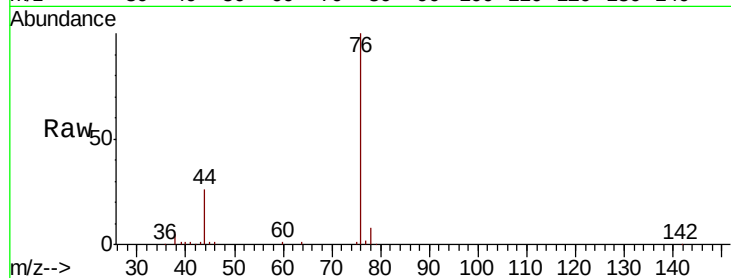




#17
Carbon Disulfide
Concen: 18.956 ug/l
RT: 4.02 min Scan# 699
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

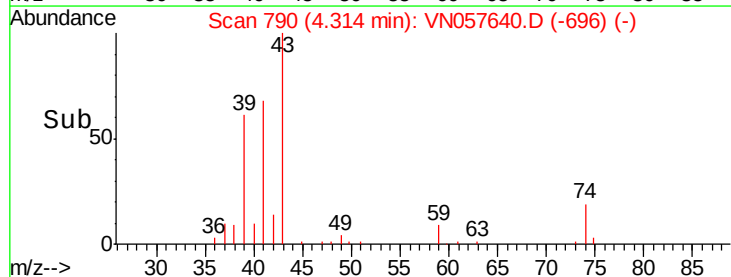
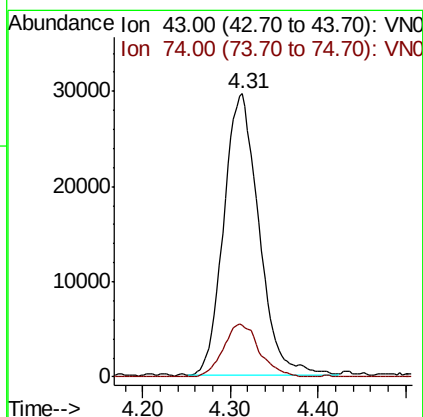
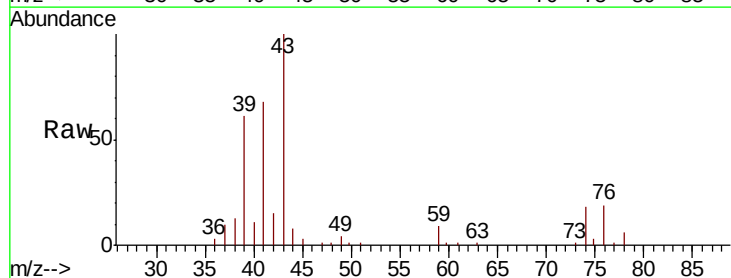
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

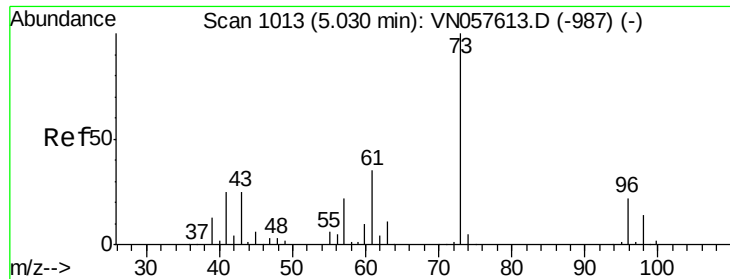
Tgt Ion: 76 Resp: 107705
Ion Ratio Lower Upper
76 100
78 7.9 6.9 10.3



#18
Methyl Acetate
Concen: 20.074 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 43 Resp: 82334
Ion Ratio Lower Upper
43 100
74 19.3 15.7 23.5

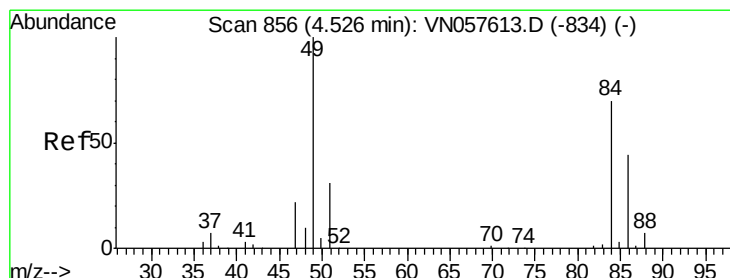
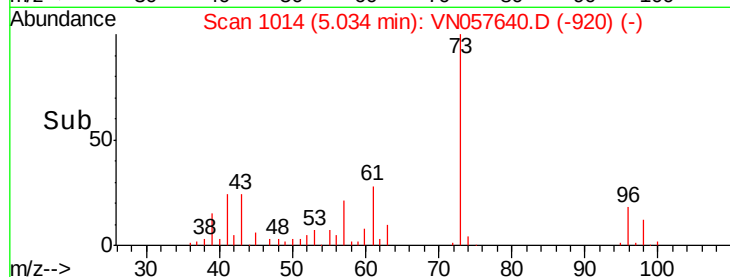
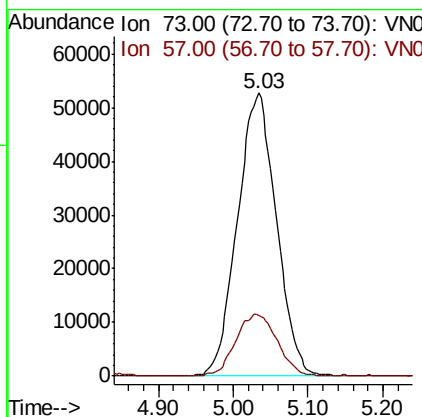
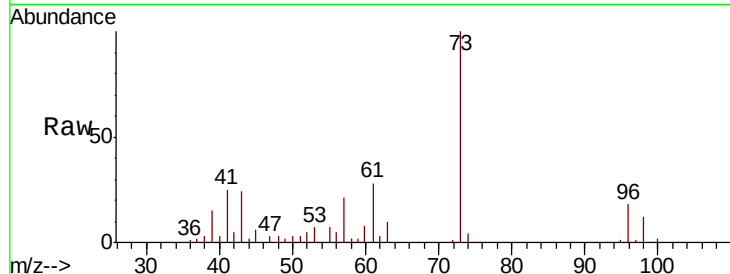




#19
Methyl tert-butyl Ether
Concen: 21.007 ug/l
RT: 5.03 min Scan# 1014
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

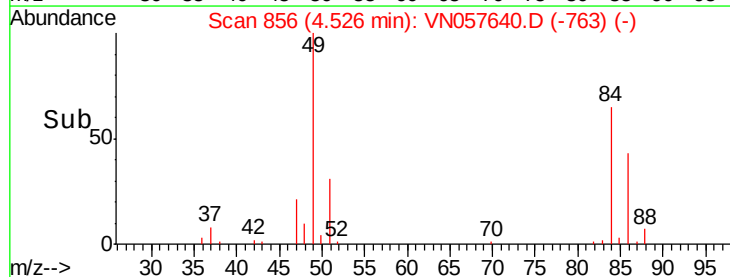
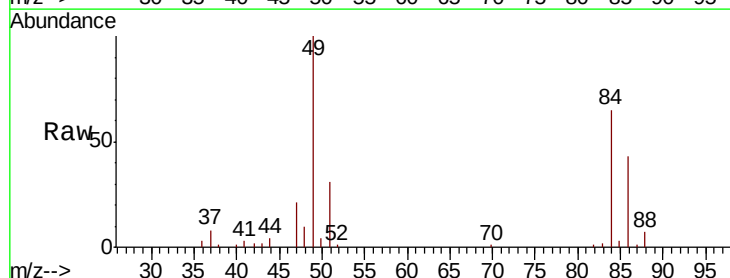
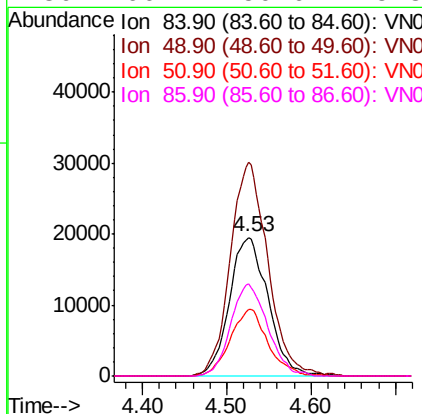
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

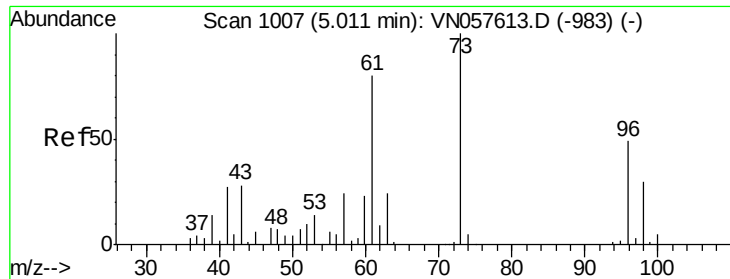
Tgt Ion: 73 Resp: 191009
Ion Ratio Lower Upper
73 100
57 21.5 17.3 25.9



#20
Methylene Chloride
Concen: 21.068 ug/l
RT: 4.53 min Scan# 856
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 84 Resp: 62302
Ion Ratio Lower Upper
84 100
49 154.4 113.8 170.6
51 47.9 35.0 52.6
86 66.2 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 20.565 ug/l

RT: 5.01 min Scan# 1006

Delta R.T. -0.00 min

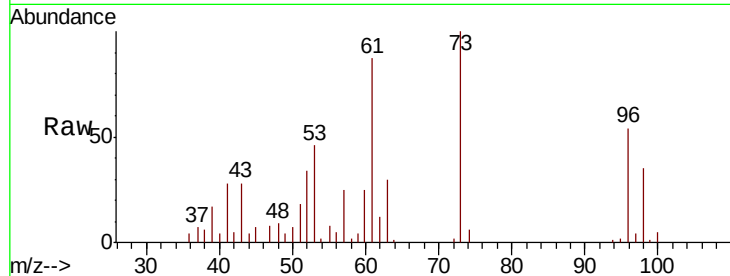
Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tgt Ion: 96 Resp: 53734

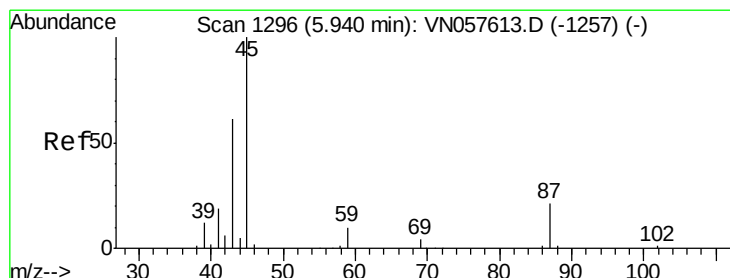
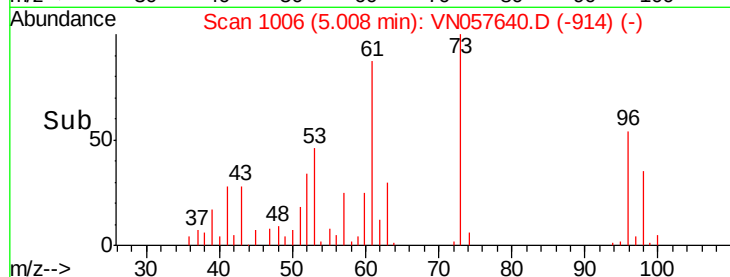
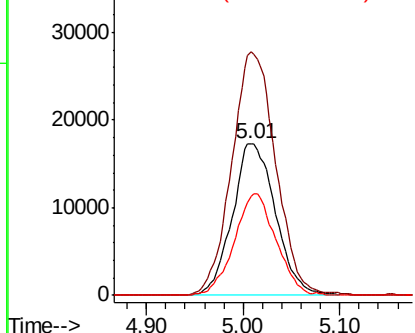
Ion	Ratio	Lower	Upper
96	100		
61	160.2	131.6	197.4
98	64.7	49.9	74.9



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: 20.737 ug/l

RT: 5.94 min Scan# 1296

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion: 45 Resp: 233726

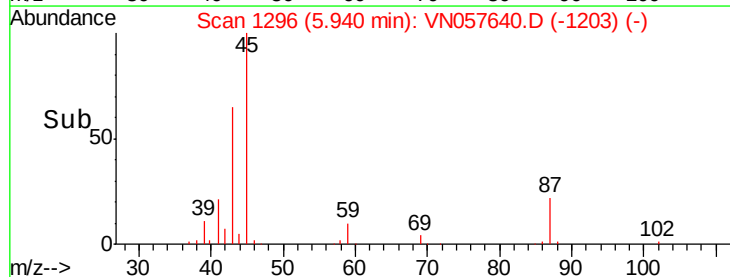
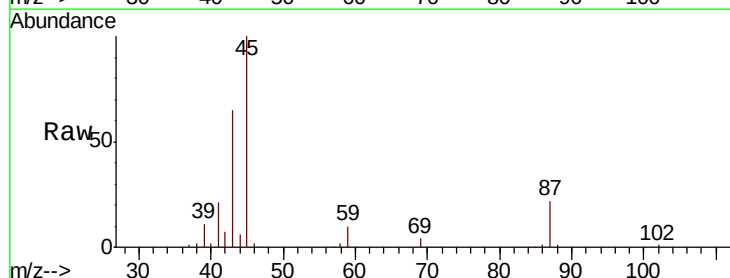
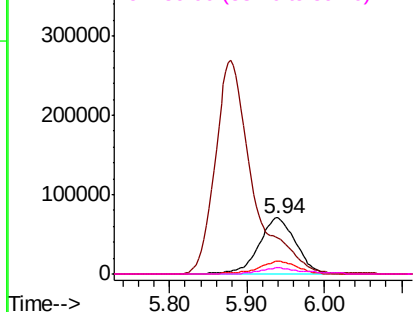
Ion	Ratio	Lower	Upper
45	100		
43	62.6	49.1	73.7
87	22.2	17.0	25.6
59	10.1	8.2	12.2

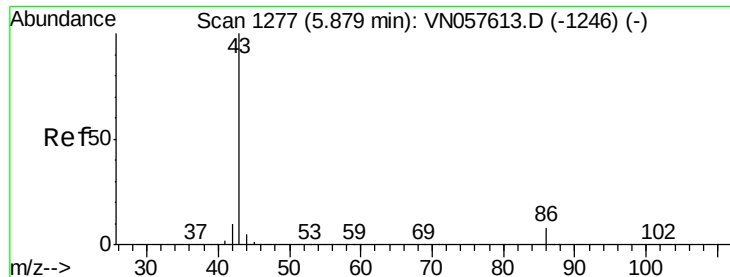
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 104.152 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

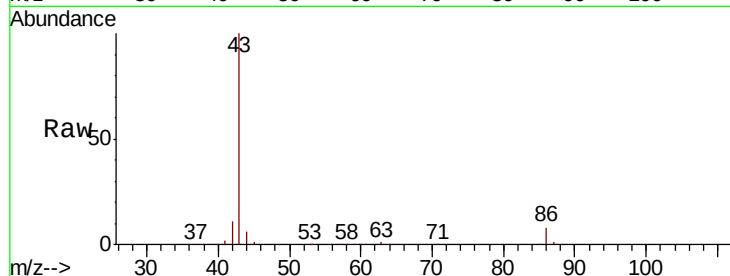
VN0902WBS01

Tgt Ion: 43 Resp: 902186

Ion Ratio Lower Upper

43 100

86 7.5 6.1 9.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

300000

250000

200000

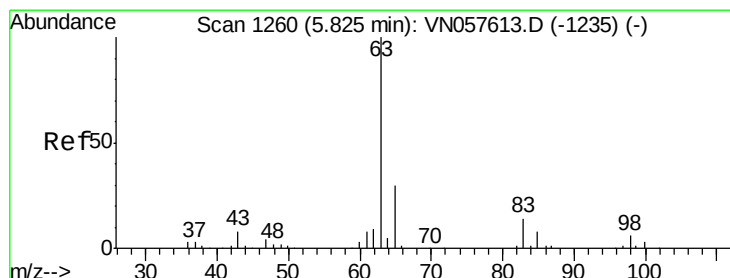
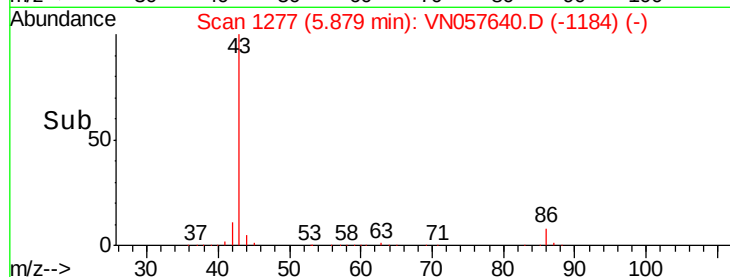
150000

100000

50000

0

Time--> 5.70 5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 20.761 ug/l

RT: 5.82 min Scan# 1260

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

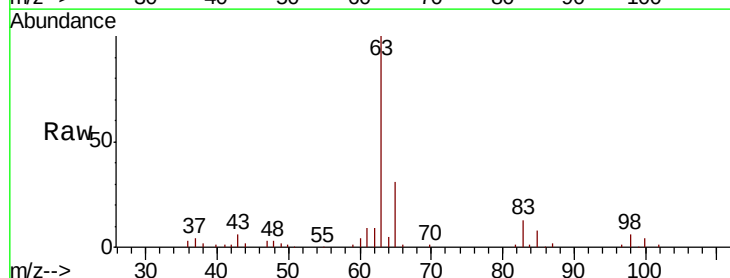
Tgt Ion: 63 Resp: 117463

Ion Ratio Lower Upper

63 100

98 5.9 2.8 8.4

100 4.1 1.5 4.5



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

5.82

50000

40000

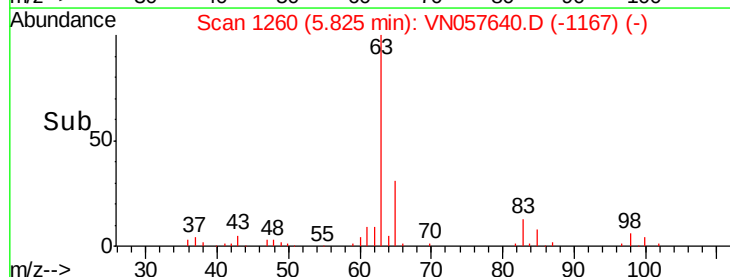
30000

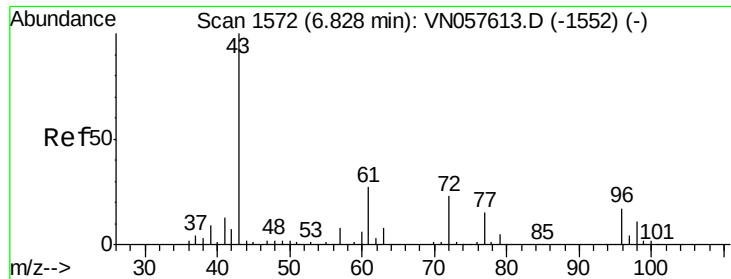
20000

10000

0

Time--> 5.70 5.80 5.90





#25

2-Butanone

Concen: 99.975 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

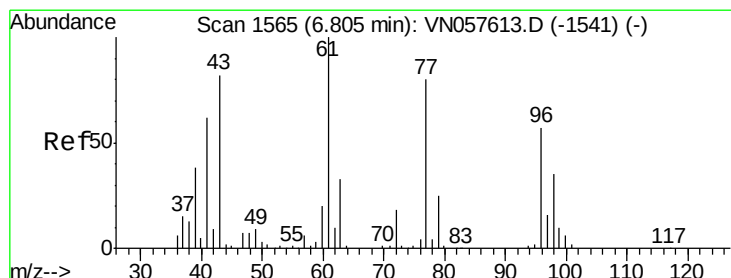
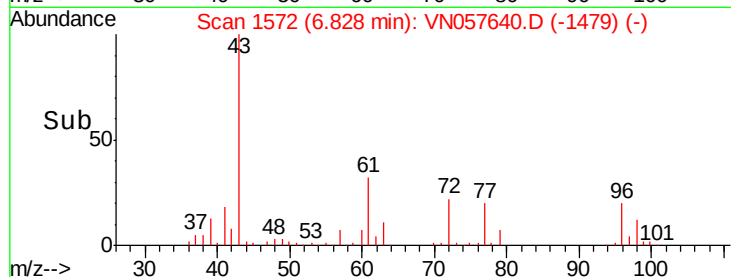
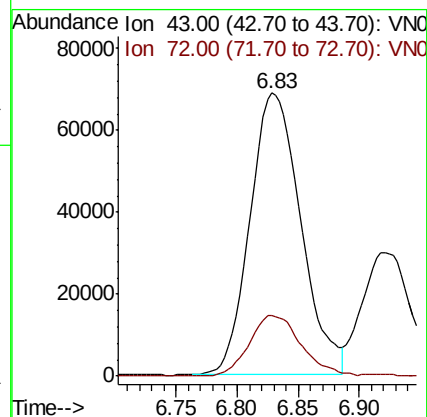
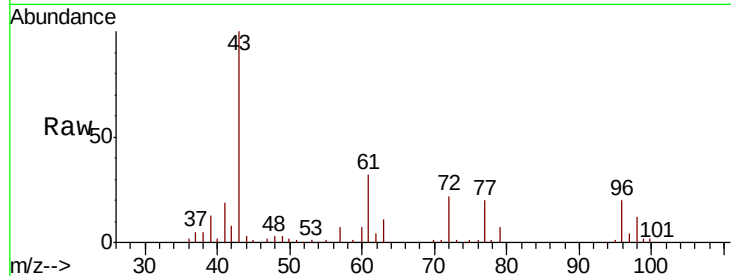
VN0902WBS01

Tgt Ion: 43 Resp: 198994

Ion Ratio Lower Upper

43 100

72 21.8 18.2 27.4



#26

2,2-Dichloropropane

Concen: 19.385 ug/l

RT: 6.81 min Scan# 1565

Delta R.T. 0.00 min

Lab File: VN057640.D

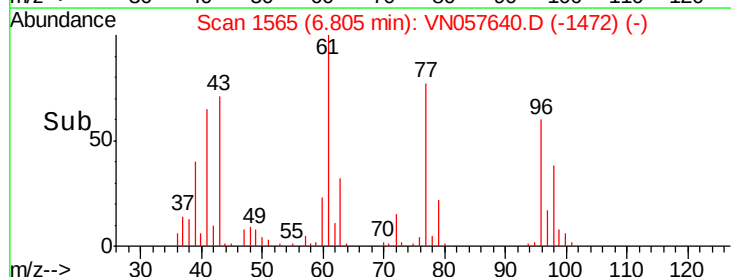
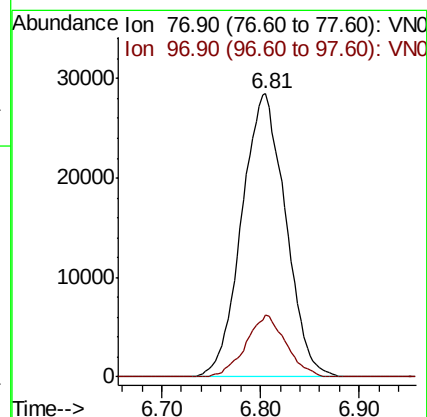
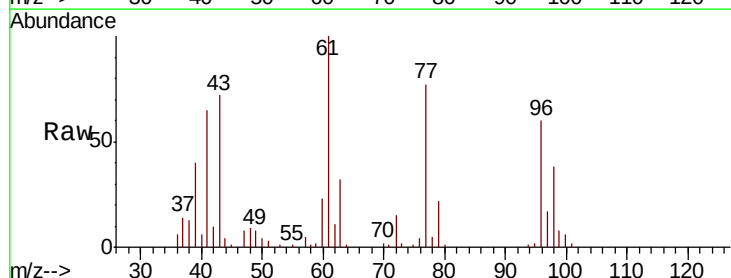
Acq: 1 Sep 2019 13:31

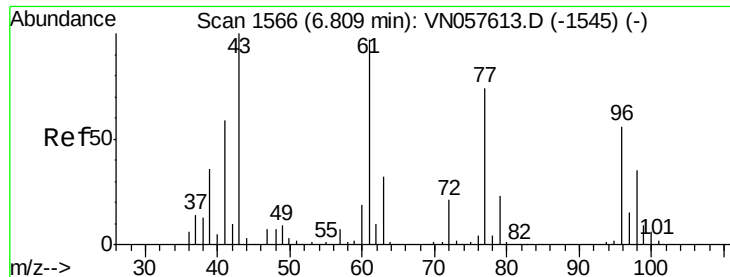
Tgt Ion: 77 Resp: 87666

Ion Ratio Lower Upper

77 100

97 20.0 10.6 31.8





#27

cis-1,2-Dichloroethene

Concen: 20.743 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

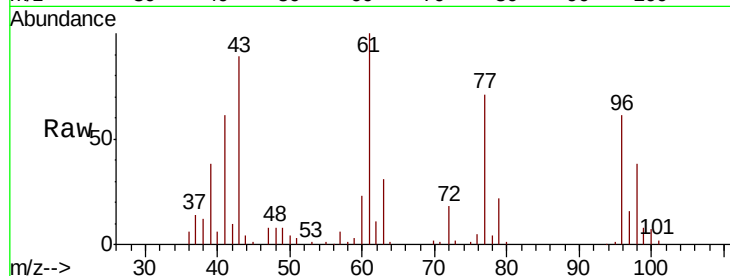
Tgt Ion: 96 Resp: 64722

Ion Ratio Lower Upper

96 100

61 170.4 0.0 344.6

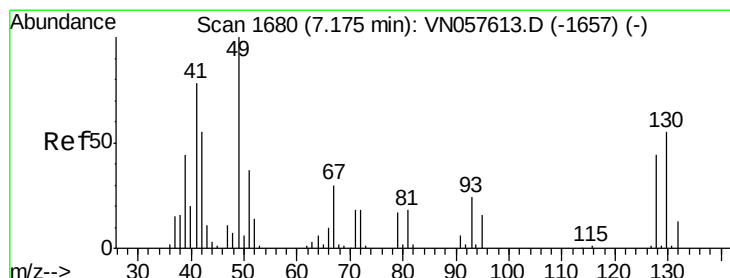
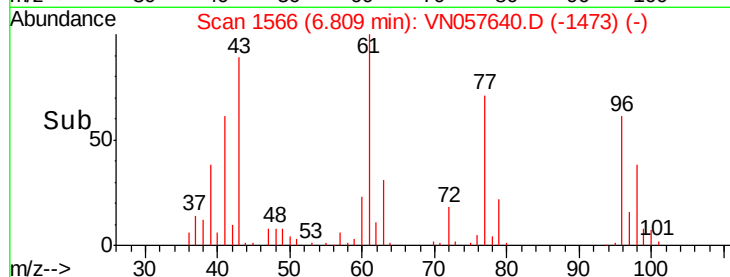
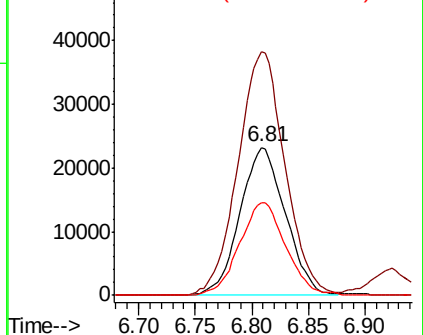
98 63.8 0.0 124.8



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: 20.560 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

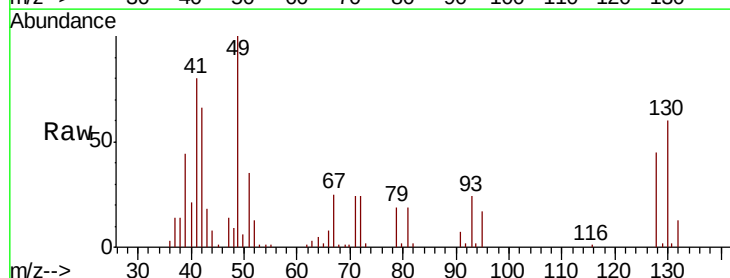
Tgt Ion: 49 Resp: 61946

Ion Ratio Lower Upper

49 100

129 0.9 0.0 1.8

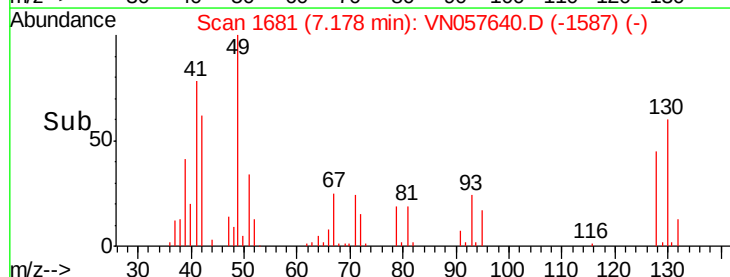
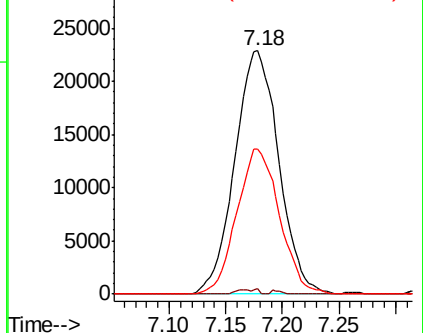
130 57.9 45.8 68.8

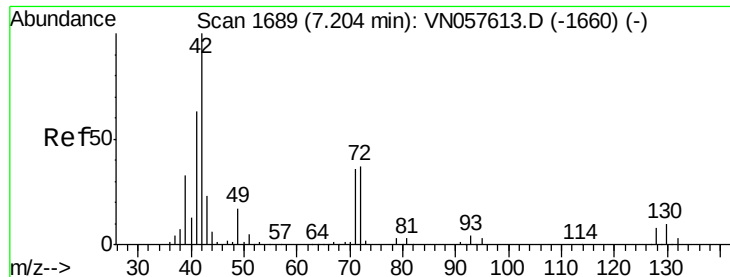


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 104.073 ug/l

RT: 7.20 min Scan# 1689

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

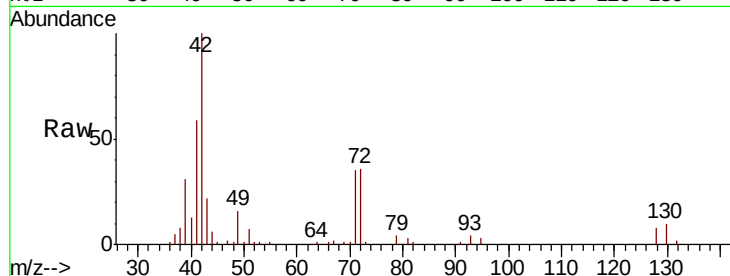
Tgt Ion: 42 Resp: 129962

Ion Ratio Lower Upper

42 100

72 37.1 29.6 44.4

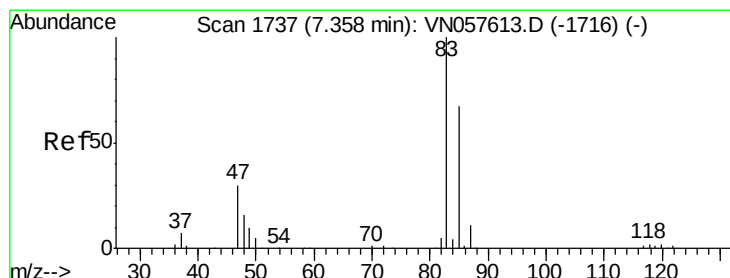
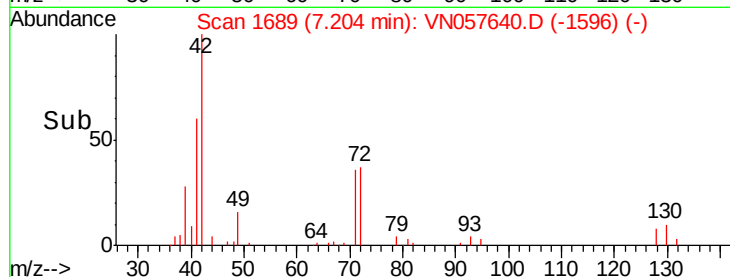
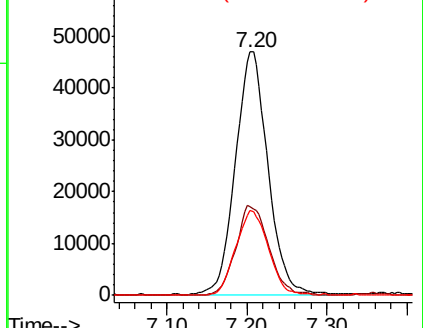
71 34.7 27.9 41.9



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 20.392 ug/l

RT: 7.36 min Scan# 1737

Delta R.T. 0.00 min

Lab File: VN057640.D

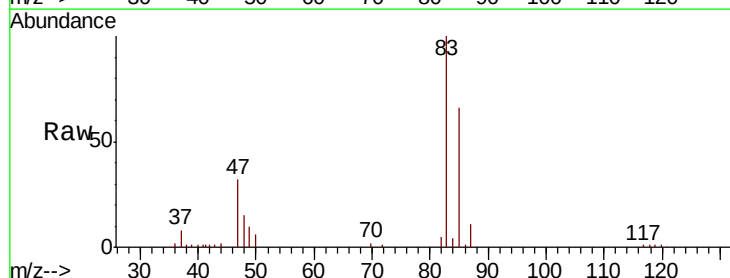
Acq: 1 Sep 2019 13:31

Tgt Ion: 83 Resp: 117043

Ion Ratio Lower Upper

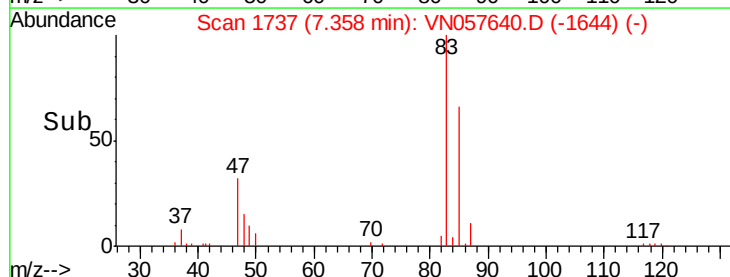
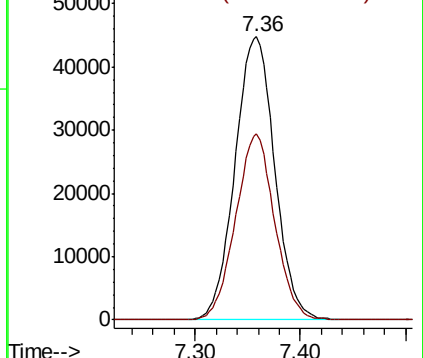
83 100

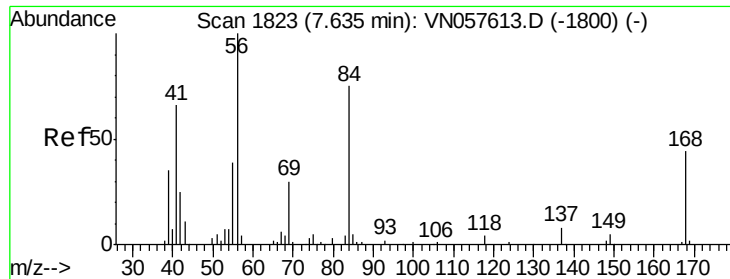
85 65.6 53.2 79.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

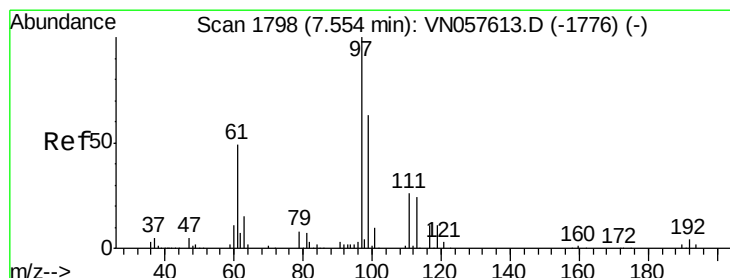
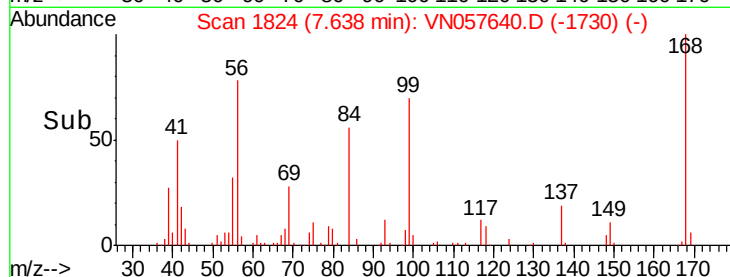
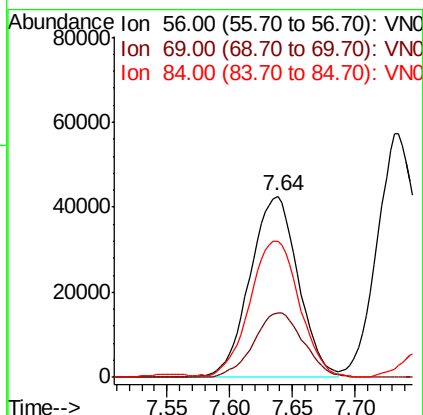
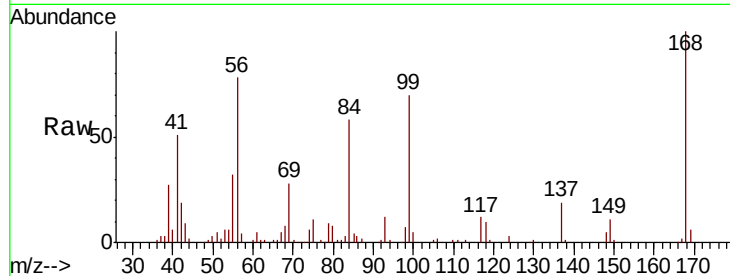




#31
Cyclohexane
Concen: 20.171 ug/l
RT: 7.64 min Scan# 1824
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

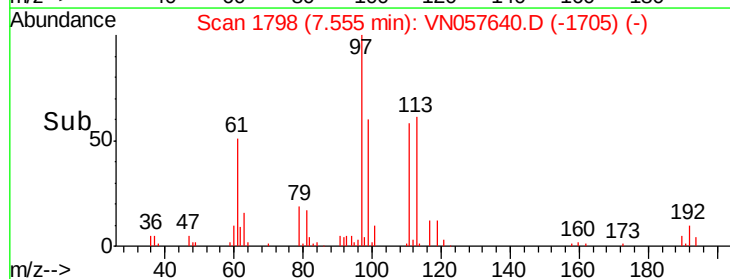
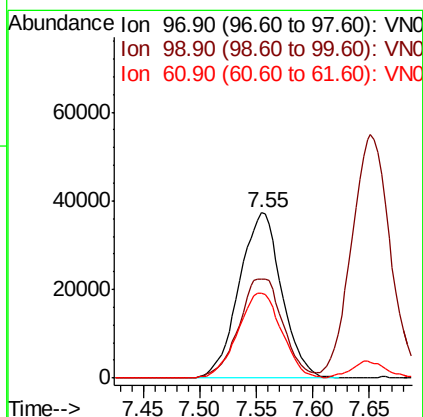
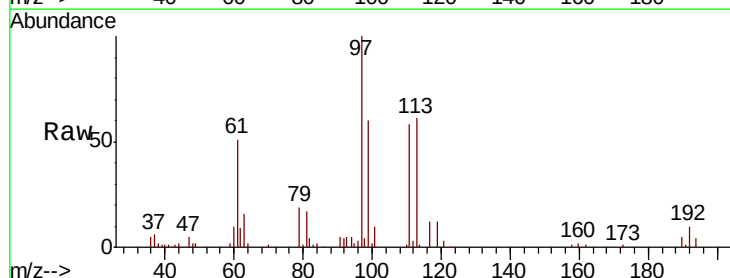
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

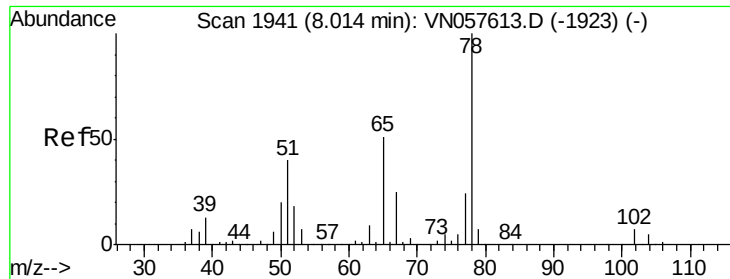
Tgt Ion: 56 Resp: 113903
Ion Ratio Lower Upper
56 100
69 35.7 24.4 36.6
84 73.6 59.9 89.9



#32
1,1,1-Trichloroethane
Concen: 20.685 ug/l
RT: 7.55 min Scan# 1798
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 97 Resp: 97390
Ion Ratio Lower Upper
97 100
99 62.5 50.6 75.8
61 53.0 41.1 61.7

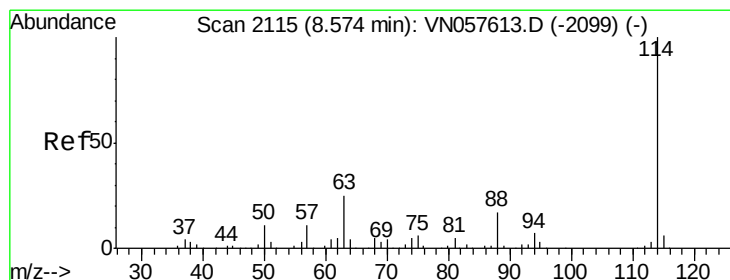
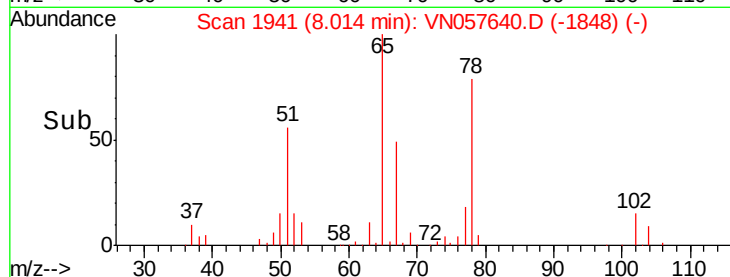
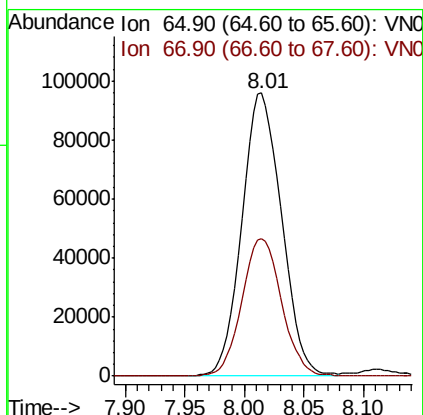
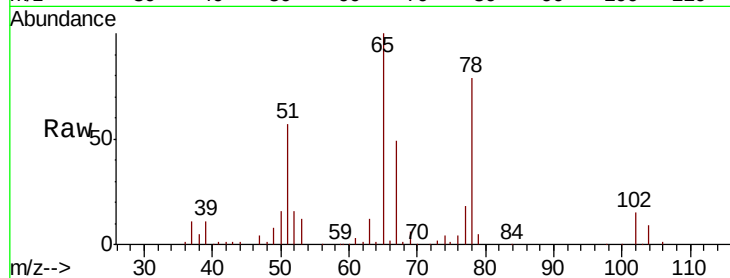




#33
 1,2-Dichloroethane-d4
 Concen: 52.079 ug/l
 RT: 8.01 min Scan# 1941
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

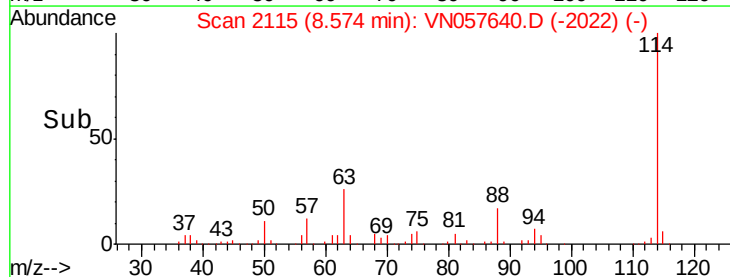
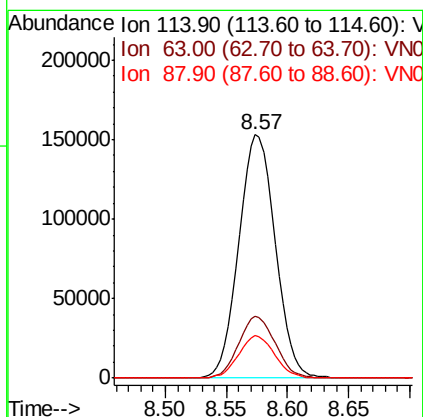
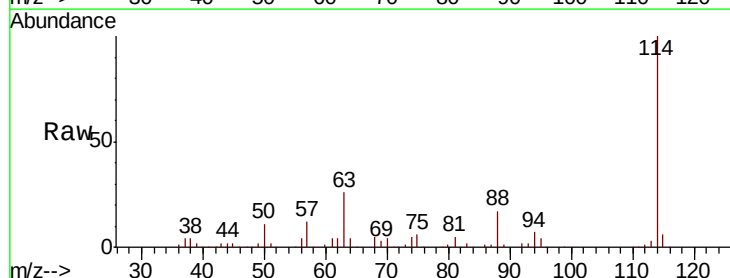
Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBS01

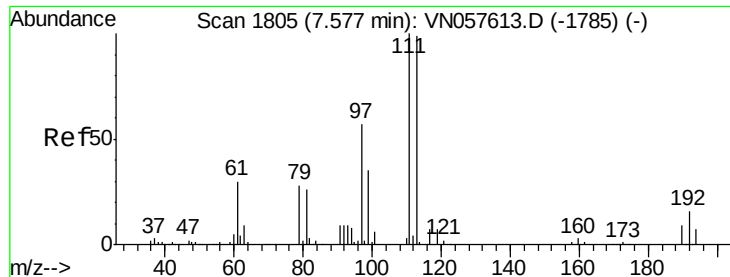
Tgt Ion: 65 Resp: 221975
 Ion Ratio Lower Upper
 65 100
 67 48.7 0.0 102.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 114 Resp: 316629
 Ion Ratio Lower Upper
 114 100
 63 25.6 0.0 49.0
 88 17.3 0.0 33.0

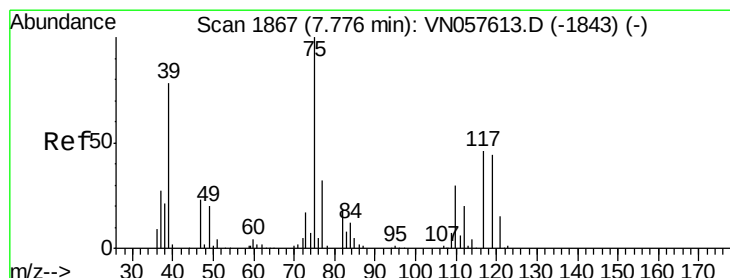
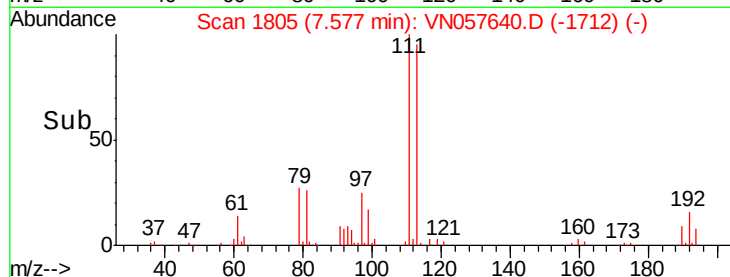
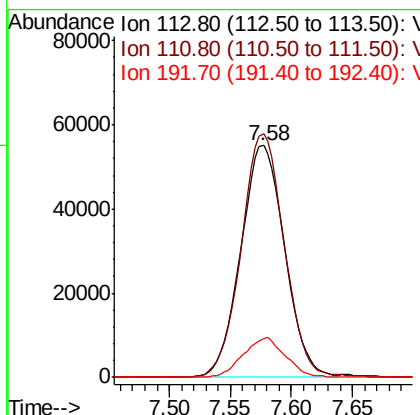
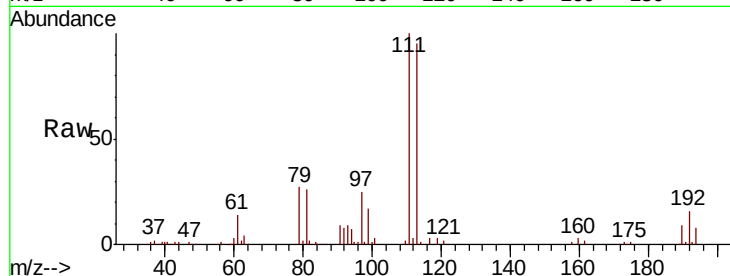




#35
 Dibromofluoromethane
 Concen: 49.689 ug/l
 RT: 7.58 min Scan# 1805
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

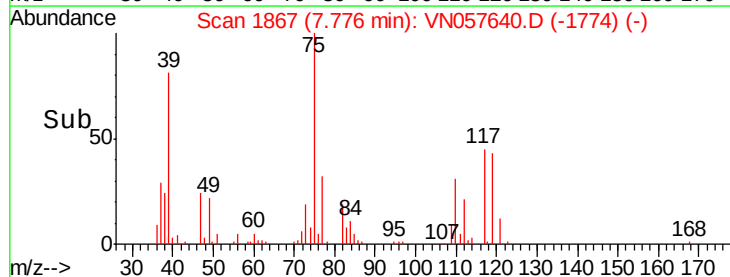
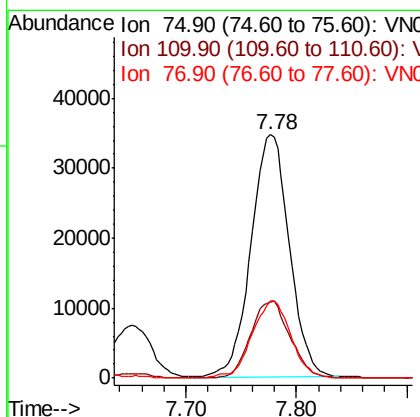
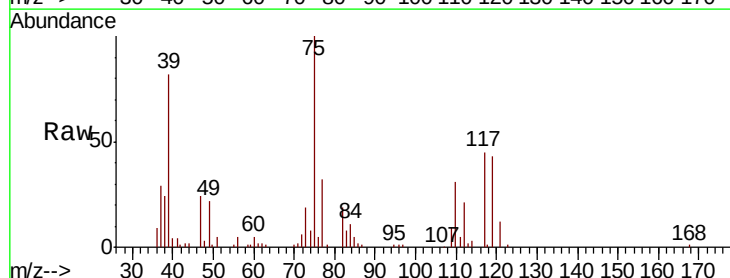
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

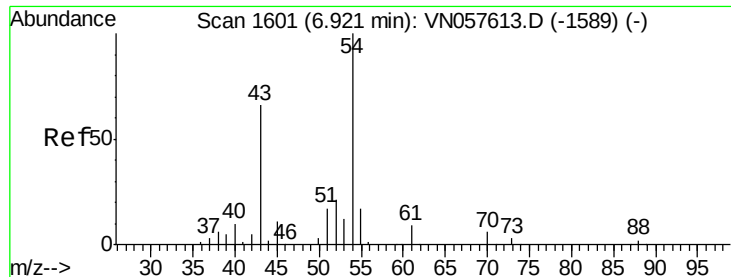
Tgt Ion: 113 Resp: 137394
 Ion Ratio Lower Upper
 113 100
 111 102.7 81.3 121.9
 192 16.4 13.5 20.3



#36
 1,1-Dichloropropene
 Concen: 19.927 ug/l
 RT: 7.78 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 75 Resp: 83650
 Ion Ratio Lower Upper
 75 100
 110 32.3 15.6 46.8
 77 32.1 24.9 37.3

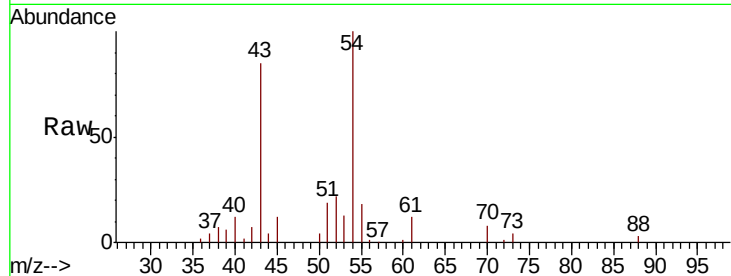




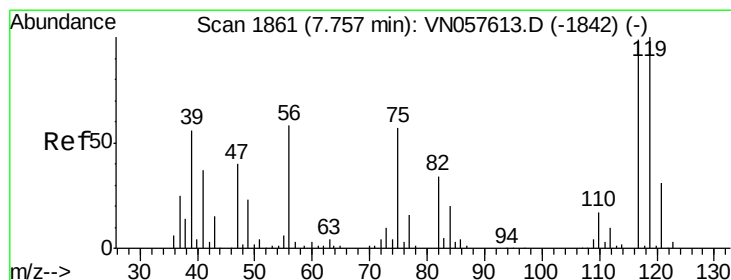
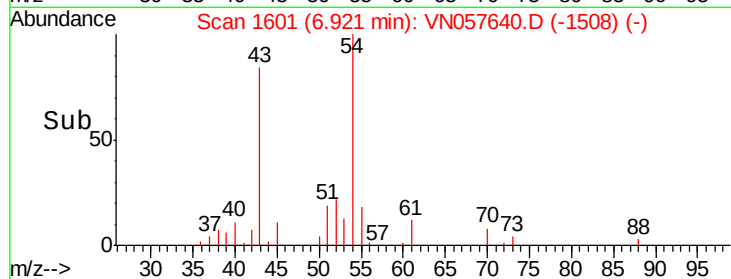
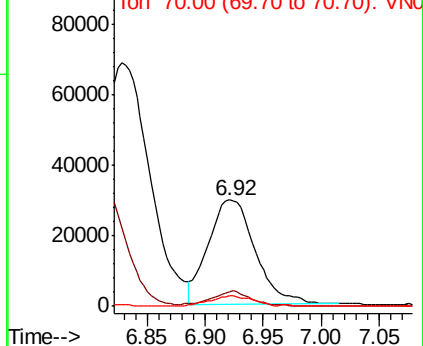
#37
Ethyl Acetate
 Concen: 20.985 ug/l
 RT: 6.92 min Scan# 1601
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

Tgt Ion: 43 Resp: 83912
 Ion Ratio Lower Upper
 43 100
 61 12.5 10.1 15.1
 70 9.3 6.8 10.2

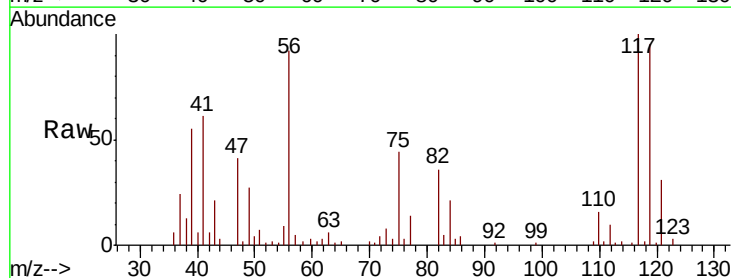


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

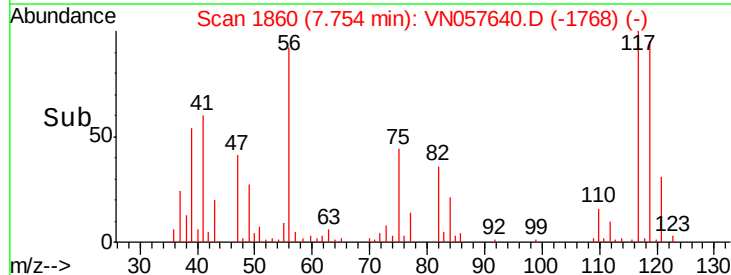
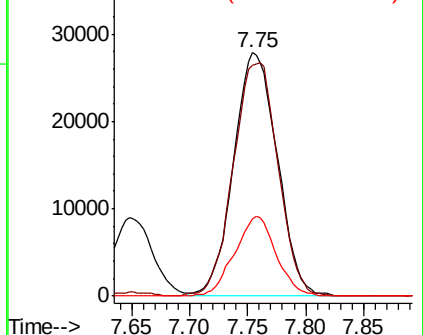


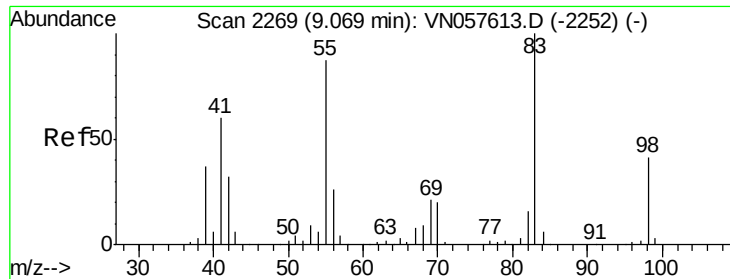
#38
Carbon Tetrachloride
 Concen: 19.459 ug/l
 RT: 7.75 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 117 Resp: 73121
 Ion Ratio Lower Upper
 117 100
 119 95.1 80.6 120.8
 121 31.5 25.1 37.7



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

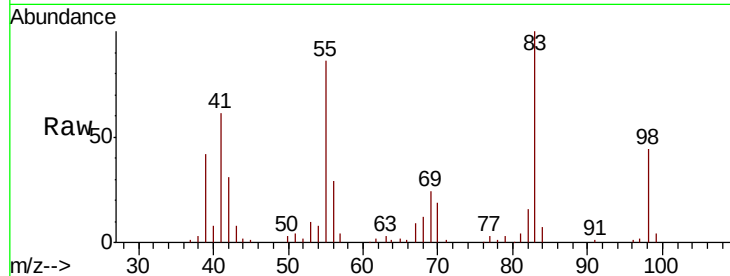




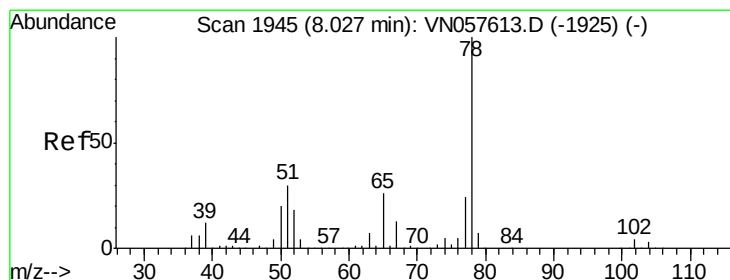
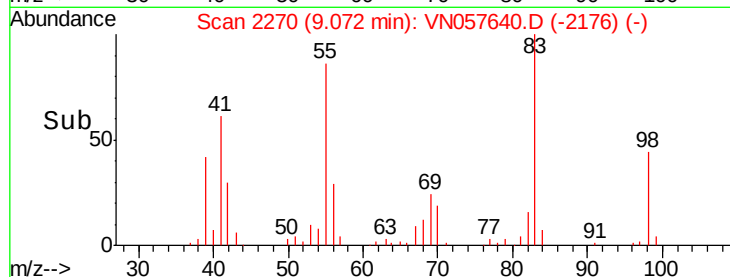
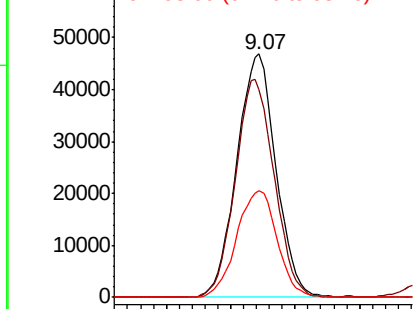
#39
Methylcyclohexane
Concen: 19.928 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

Tgt Ion: 83 Resp: 98837
Ion Ratio Lower Upper
83 100
55 85.6 69.8 104.8
98 43.7 32.7 49.1

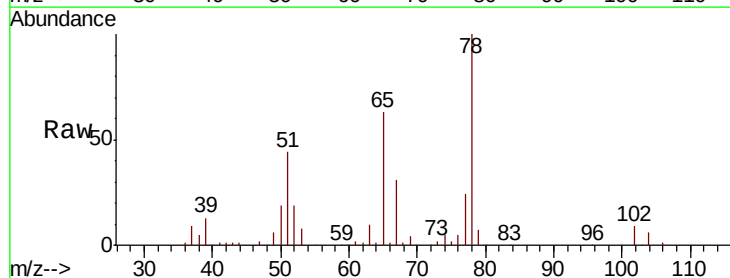


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

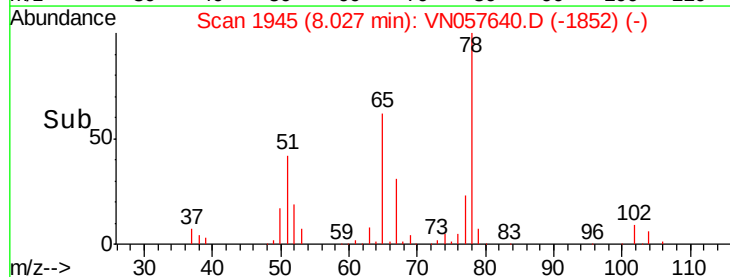
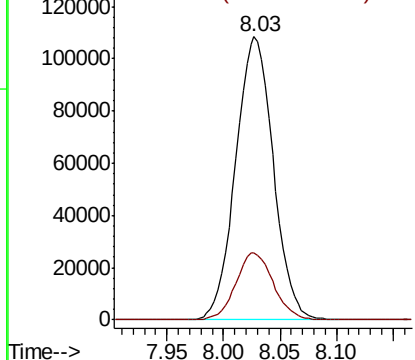


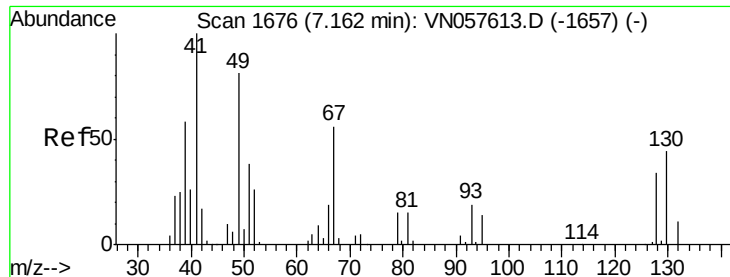
#40
Benzene
Concen: 20.583 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 78 Resp: 251521
Ion Ratio Lower Upper
78 100
77 23.7 19.1 28.7



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0





#41

Methacrylonitrile

Concen: 19.389 ug/l

RT: 7.17 min Scan# 1677

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tgt Ion: 41 Resp: 40176

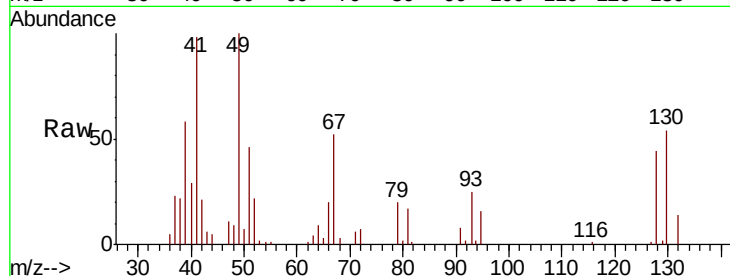
Ion Ratio Lower Upper

41 100

39 64.1 50.6 75.8

67 73.7 56.9 85.3

52 34.7 27.4 41.2



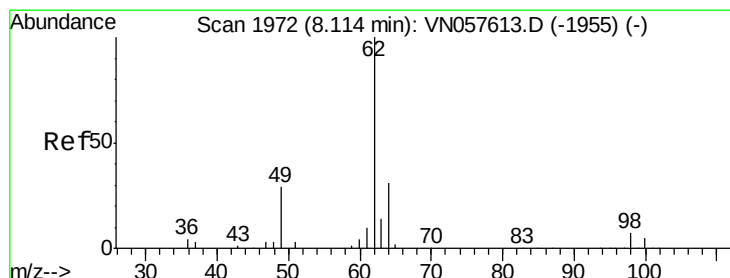
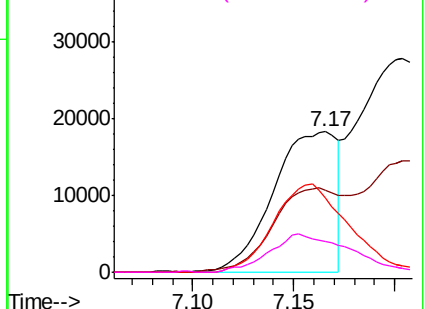
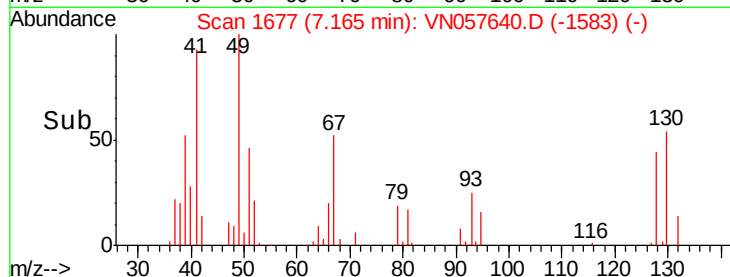
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 21.258 ug/l

RT: 8.11 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VN057640.D

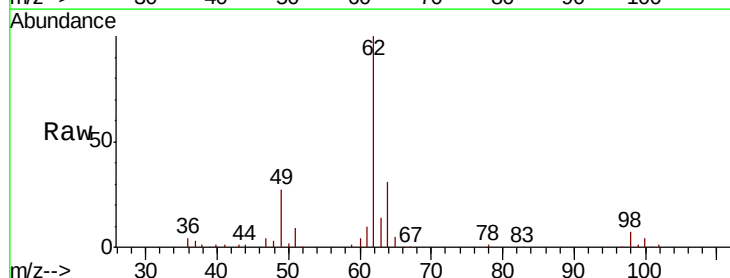
Acq: 1 Sep 2019 13:31

Tgt Ion: 62 Resp: 105509

Ion Ratio Lower Upper

62 100

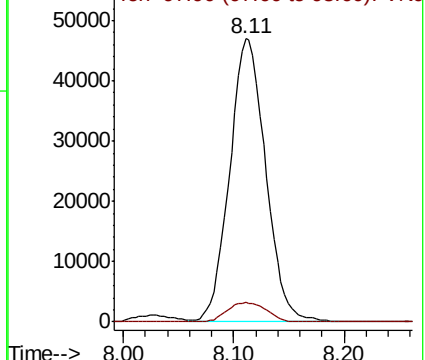
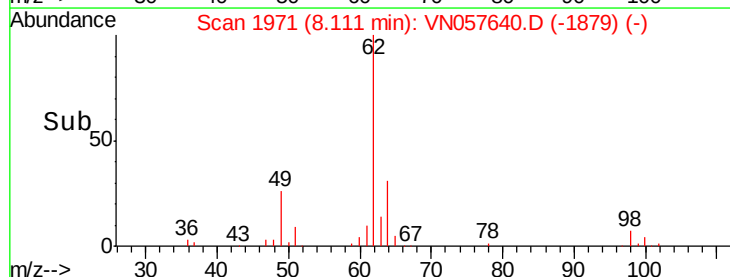
98 7.4 0.0 14.0

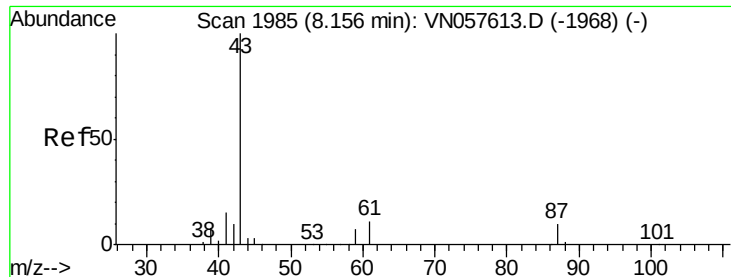


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.361 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

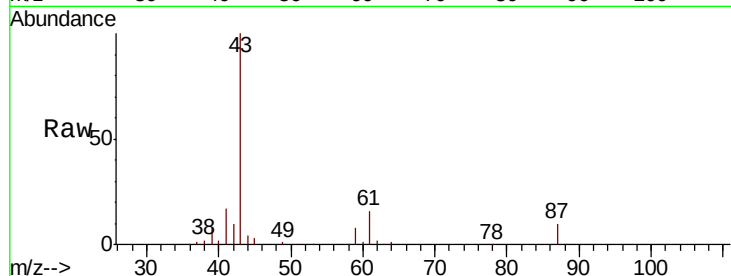
Tgt Ion: 43 Resp: 146479

Ion Ratio Lower Upper

43 100

61 16.2 13.1 19.7

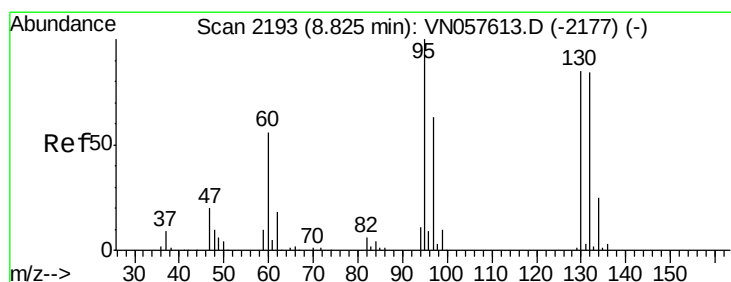
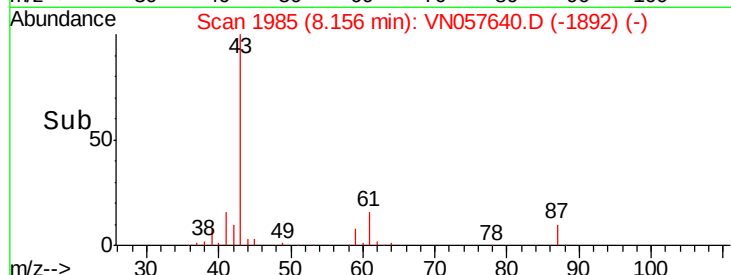
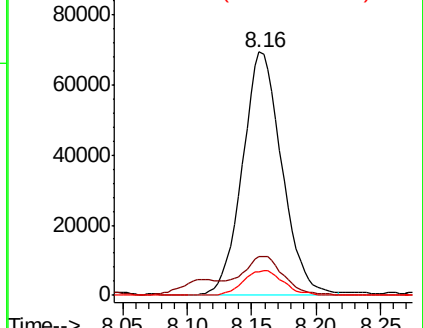
87 10.4 8.1 12.1



Abundance Ion 43.00 (42.70 to 43.70): VN057613.D (-1968) (-)

Ion 61.00 (60.70 to 61.70): VN057613.D (-1968) (-)

Ion 87.00 (86.70 to 87.70): VN057613.D (-1968) (-)



#44

Trichloroethene

Concen: 20.712 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. 0.00 min

Lab File: VN057640.D

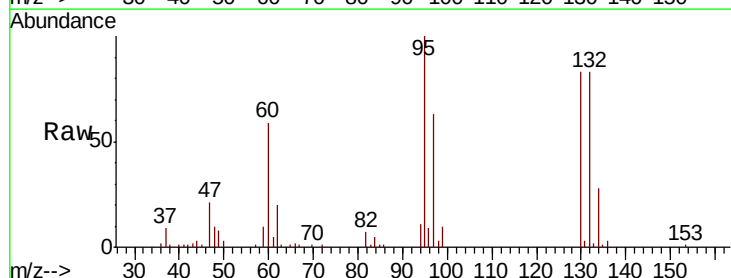
Acq: 1 Sep 2019 13:31

Tgt Ion: 130 Resp: 57416

Ion Ratio Lower Upper

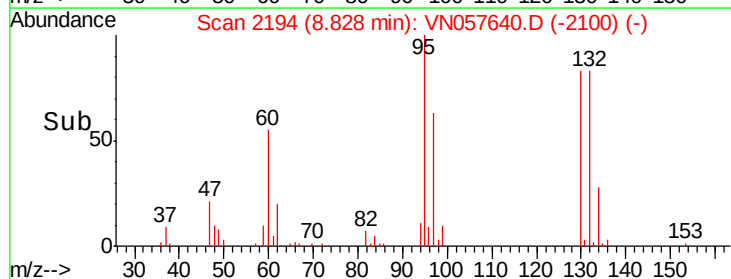
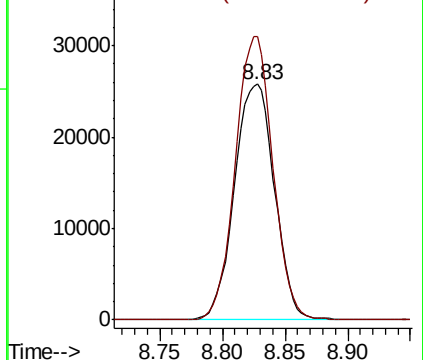
130 100

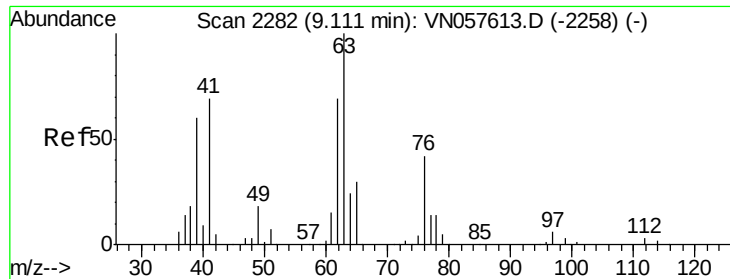
95 120.1 0.0 234.4



Abundance Ion 129.80 (129.50 to 130.50): VN057613.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057613.D (-2177) (-)

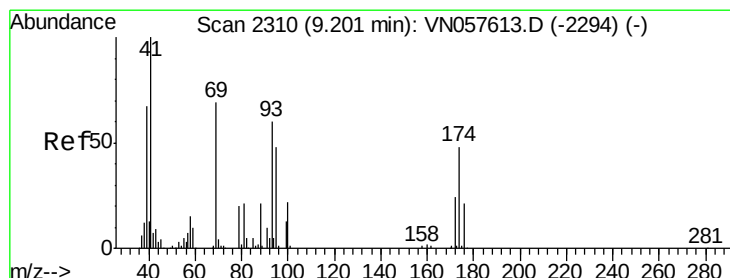
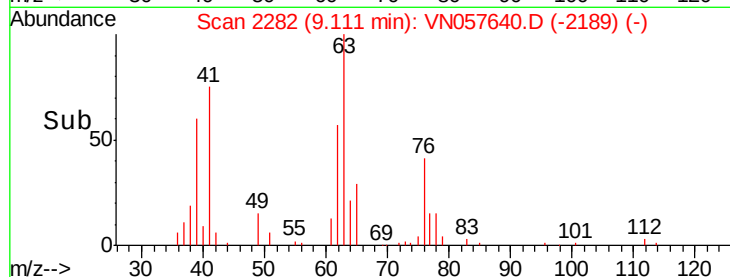
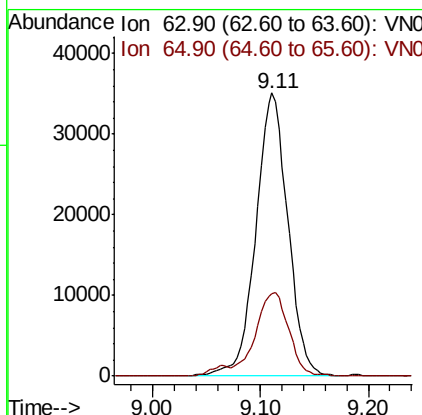
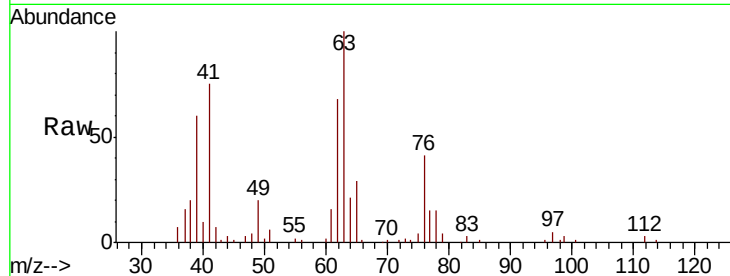




#45
 1,2-Dichloropropane
 Concen: 21.149 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

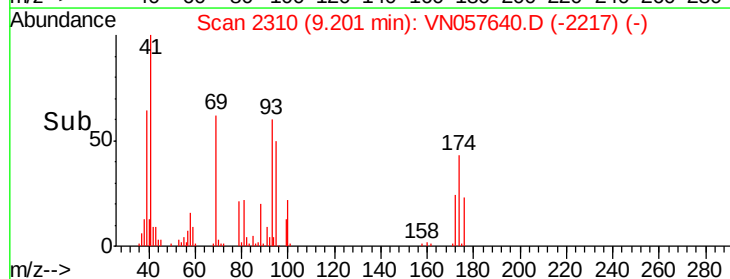
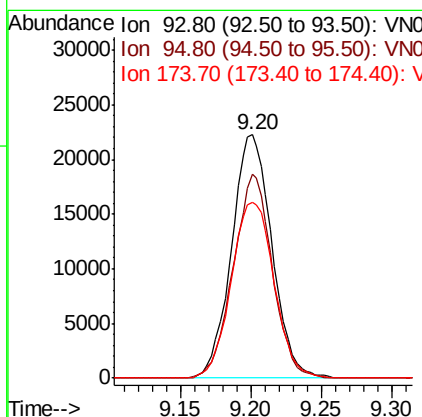
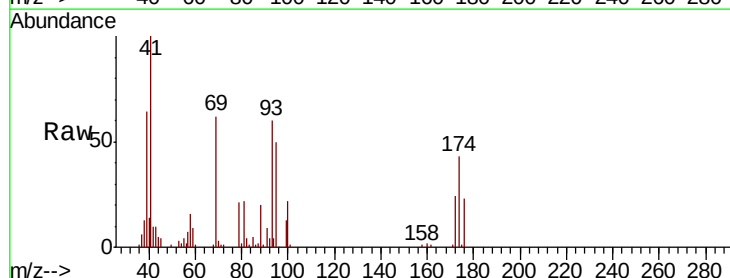
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

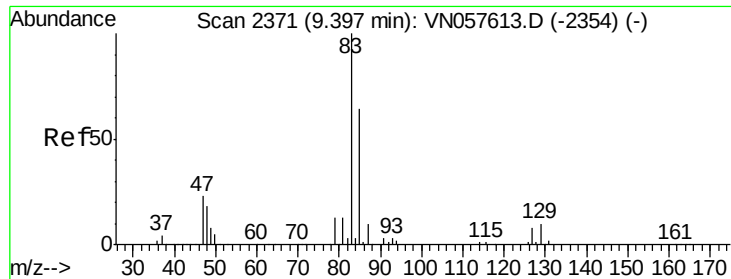
Tgt Ion: 63 Resp: 71984
 Ion Ratio Lower Upper
 63 100
 65 29.3 24.4 36.6



#46
 Dibromomethane
 Concen: 21.100 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 93 Resp: 44468
 Ion Ratio Lower Upper
 93 100
 95 81.1 65.8 98.6
 174 76.8 64.2 96.2





#47

Bromodichloromethane

Concen: 19.562 ug/l

RT: 9.39 min Scan# 2370

Delta R.T. -0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

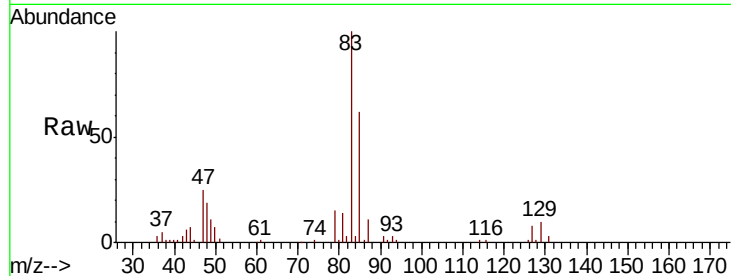
Tgt Ion: 83 Resp: 83760

Ion Ratio Lower Upper

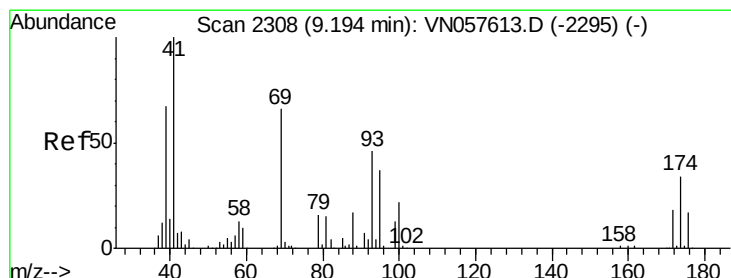
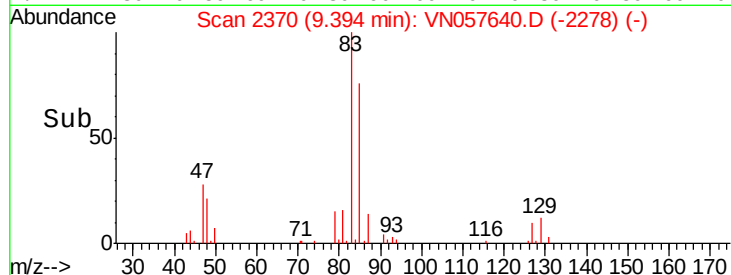
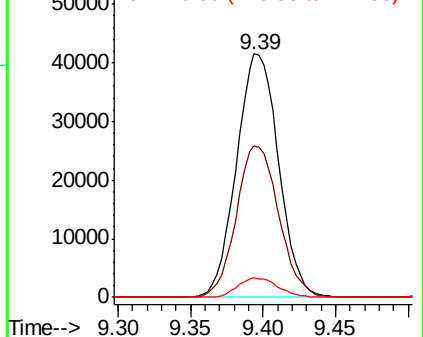
83 100

85 62.3 51.4 77.0

127 8.0 6.1 9.1



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 20.690 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

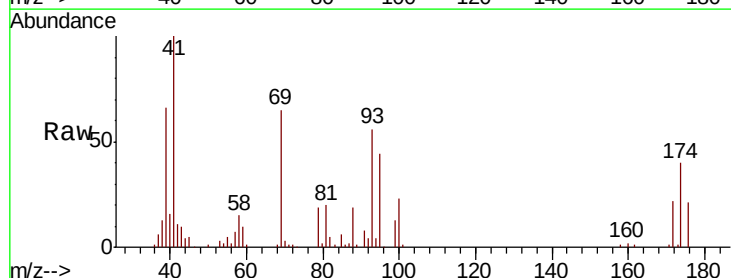
Tgt Ion: 41 Resp: 75997

Ion Ratio Lower Upper

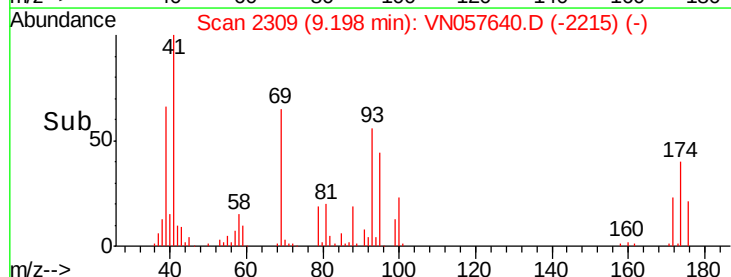
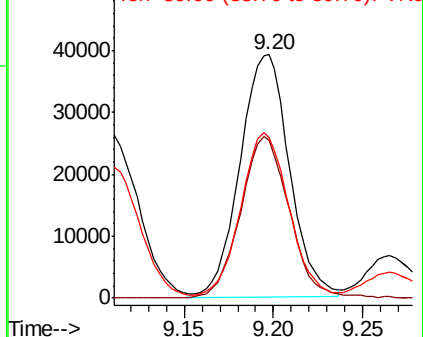
41 100

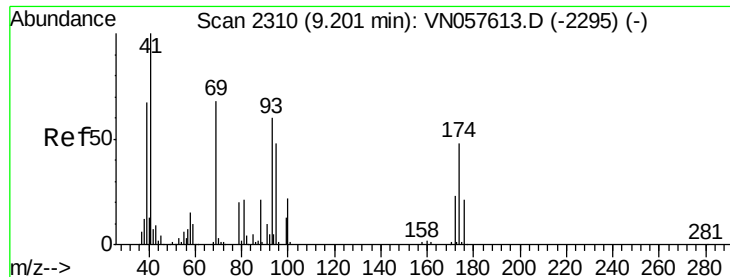
69 65.7 55.1 82.7

39 66.3 55.4 83.2



Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0





#49

1,4-Dioxane

Concen: 396.272 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

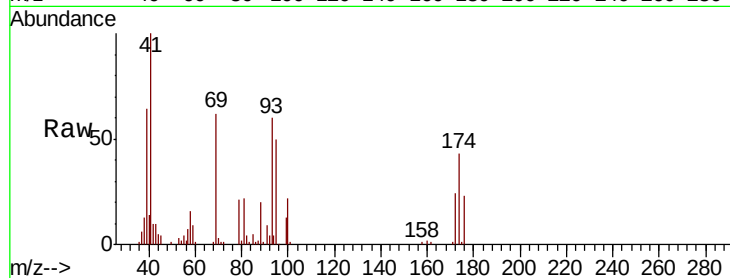
Tgt Ion: 88 Resp: 17044

Ion Ratio Lower Upper

88 100

43 44.8 35.0 52.4

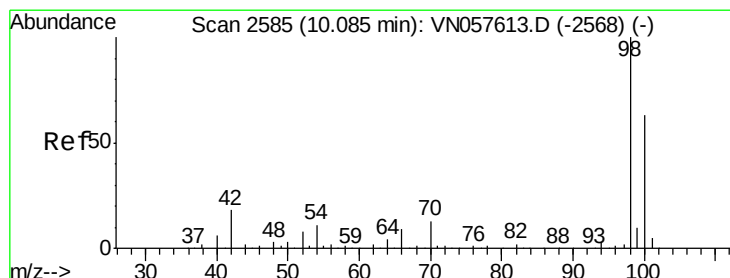
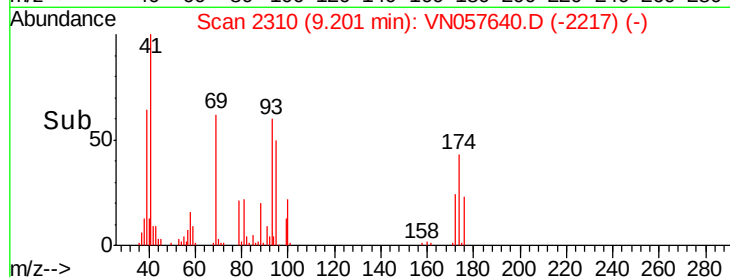
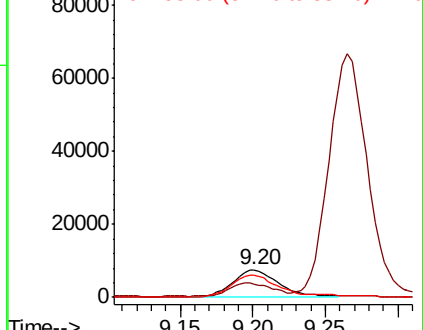
58 89.0 61.6 92.4



Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#50

Toluene-d8

Concen: 50.370 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN057640.D

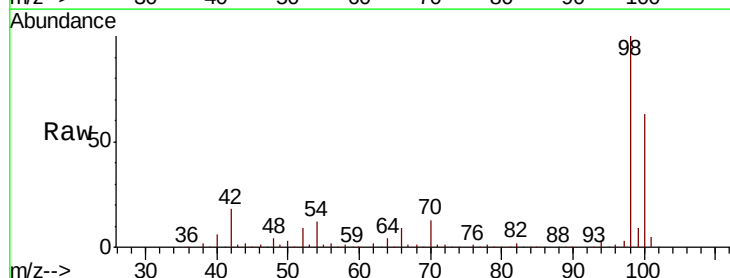
Acq: 1 Sep 2019 13:31

Tgt Ion: 98 Resp: 534717

Ion Ratio Lower Upper

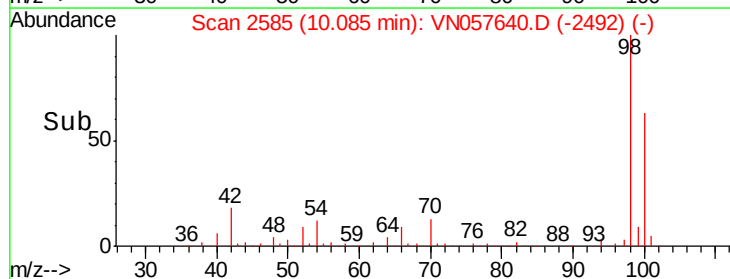
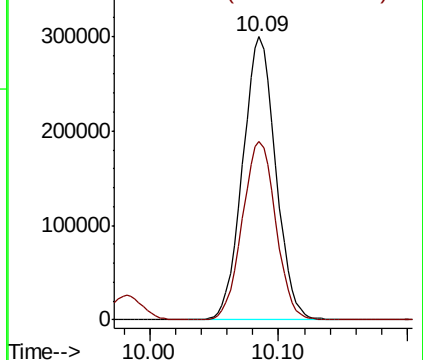
98 100

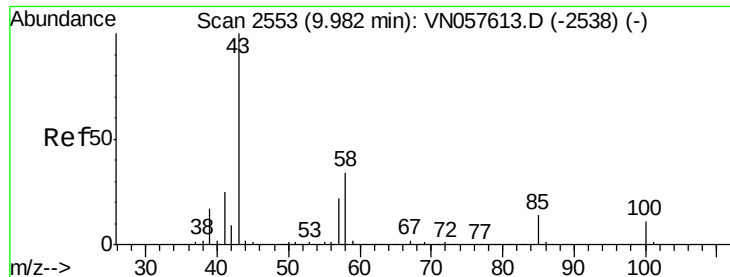
100 63.7 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 105.378 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

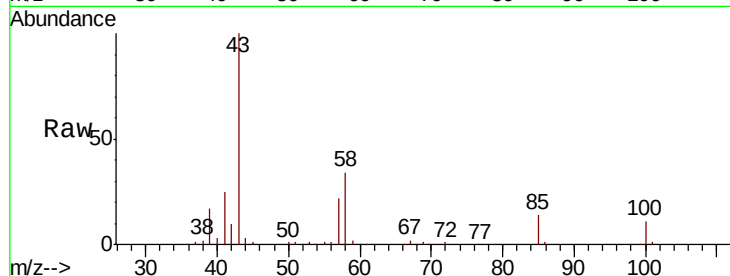
VN0902WBS01

Tgt Ion: 43 Resp: 434508

Ion Ratio Lower Upper

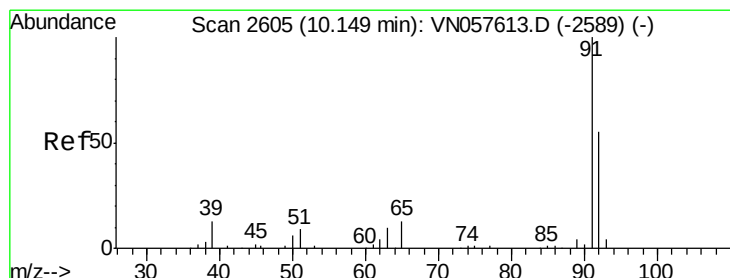
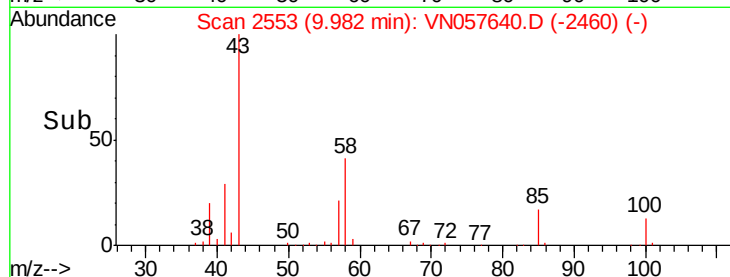
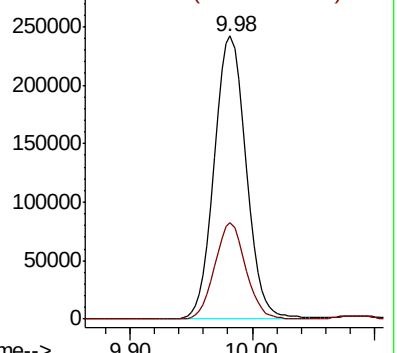
43 100

58 32.9 26.9 40.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 20.830 ug/l

RT: 10.15 min Scan# 2605

Delta R.T. 0.00 min

Lab File: VN057640.D

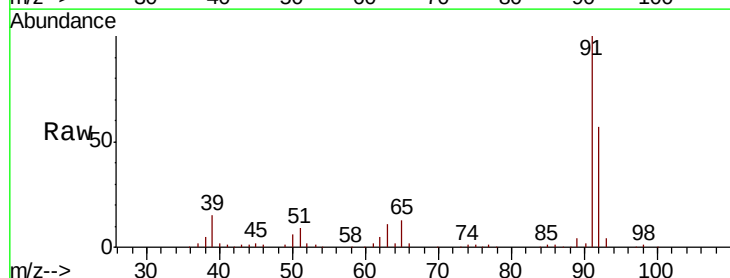
Acq: 1 Sep 2019 13:31

Tgt Ion: 92 Resp: 150441

Ion Ratio Lower Upper

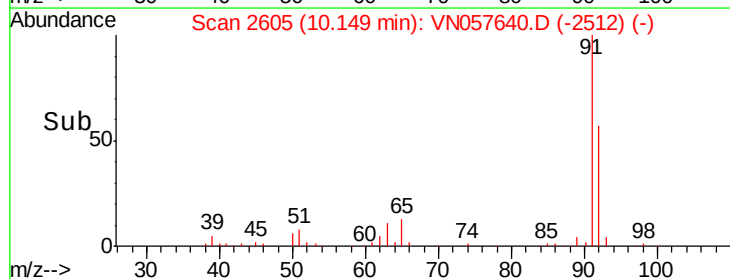
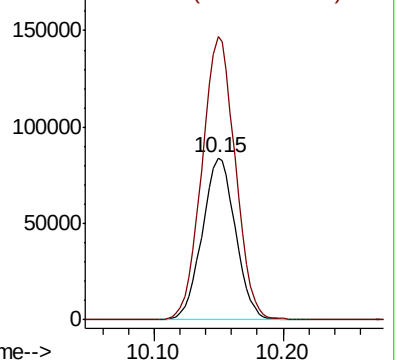
92 100

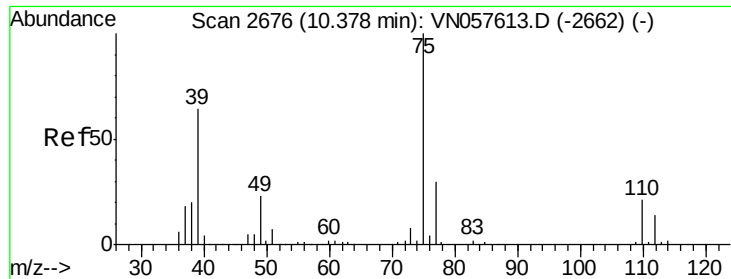
91 175.6 143.8 215.6



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0

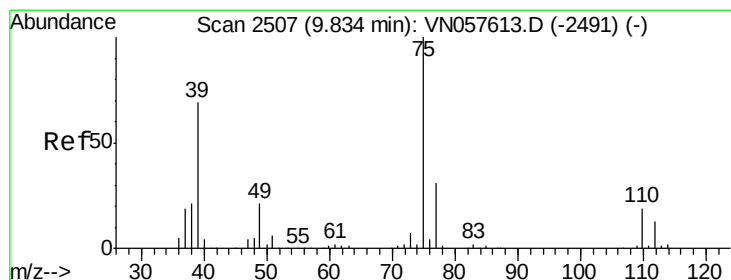
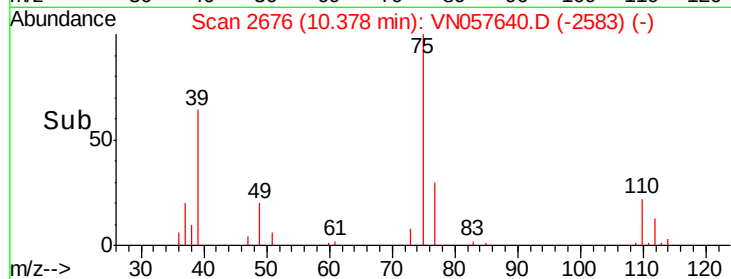
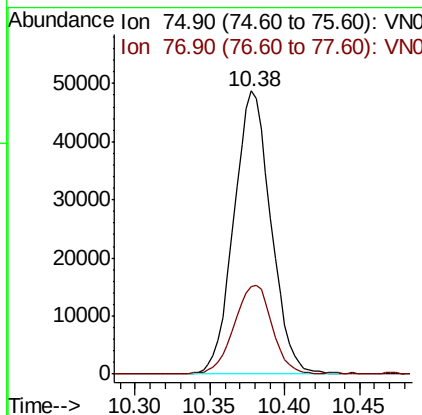
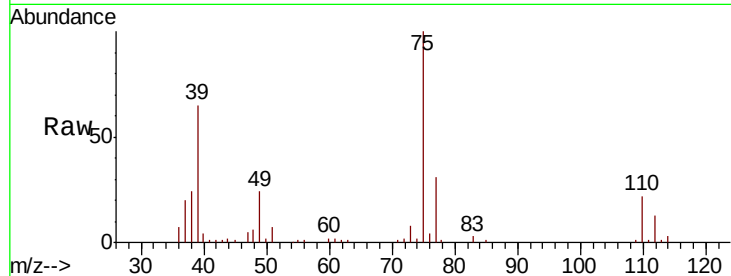




#53
 t-1,3-Dichloropropene
 Concen: 19.629 ug/l
 RT: 10.38 min Scan# 2676
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

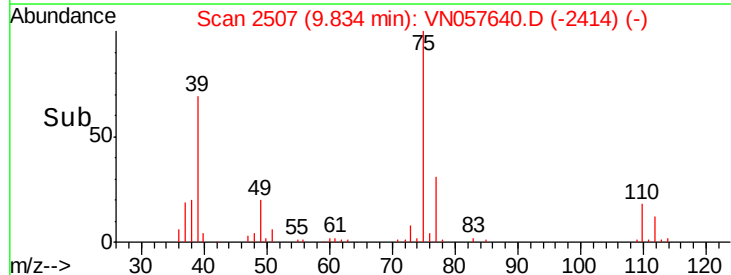
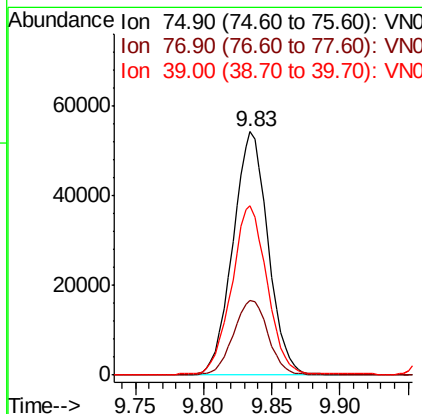
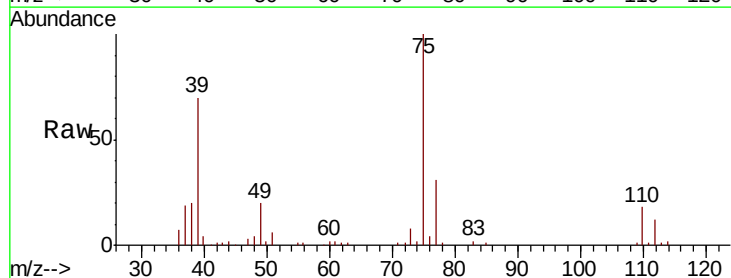
Instrument :
 MSVOA_N
 ClientSampled :
 VN0902WBS01

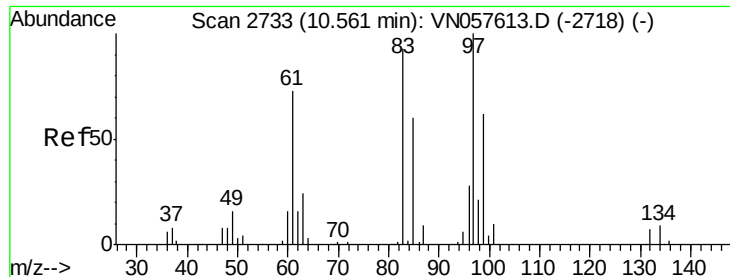
Tgt Ion: 75 Resp: 83890
 Ion Ratio Lower Upper
 75 100
 77 30.5 24.1 36.1



#54
 cis-1,3-Dichloropropene
 Concen: 19.636 ug/l
 RT: 9.83 min Scan# 2507
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 75 Resp: 97166
 Ion Ratio Lower Upper
 75 100
 77 30.9 24.8 37.2
 39 69.0 55.0 82.4





#55

1,1,2-Trichloroethane

Concen: 21.303 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

Tgt Ion: 97 Resp: 58374

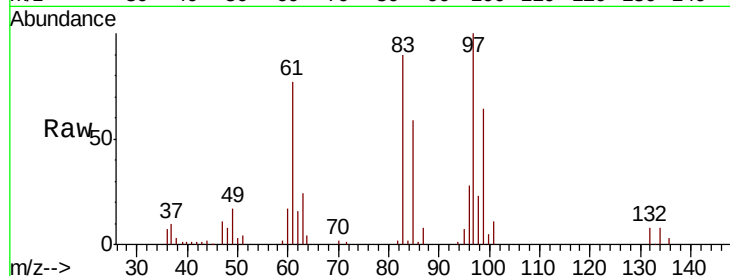
Ion Ratio Lower Upper

97 100

83 90.4 74.2 111.2

85 59.2 47.8 71.8

99 63.9 49.3 73.9



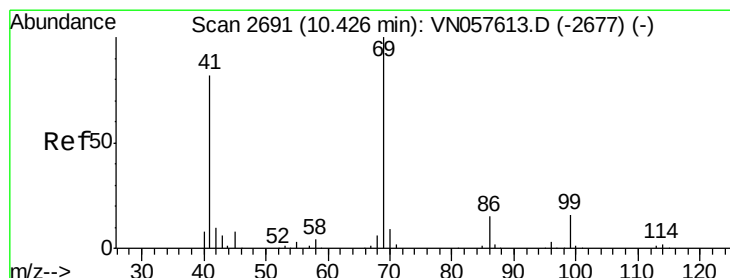
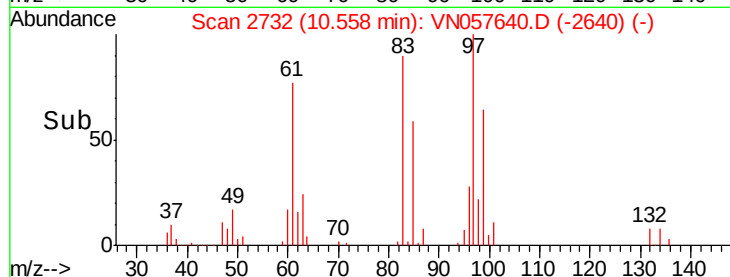
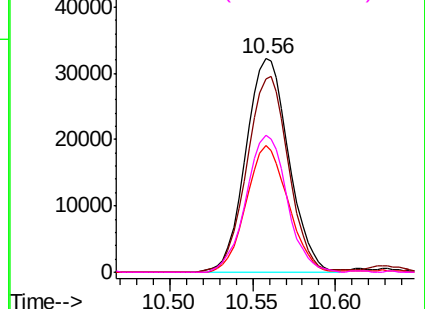
Abundance

Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 19.901 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

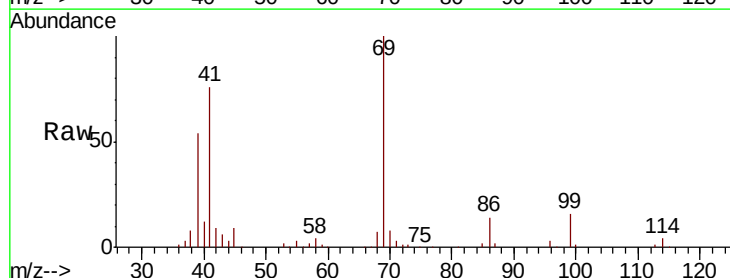
Tgt Ion: 69 Resp: 91003

Ion Ratio Lower Upper

69 100

41 77.2 65.8 98.6

39 53.0 43.8 65.8

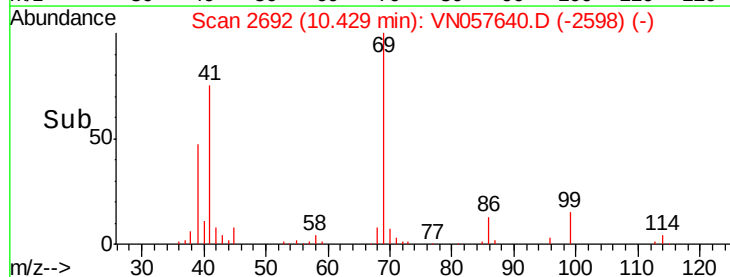
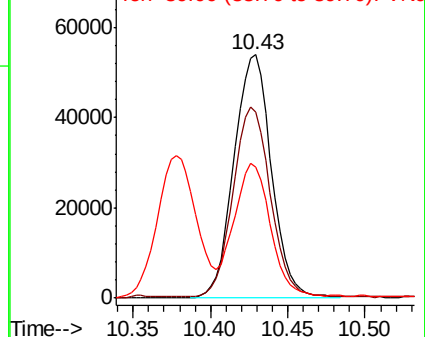


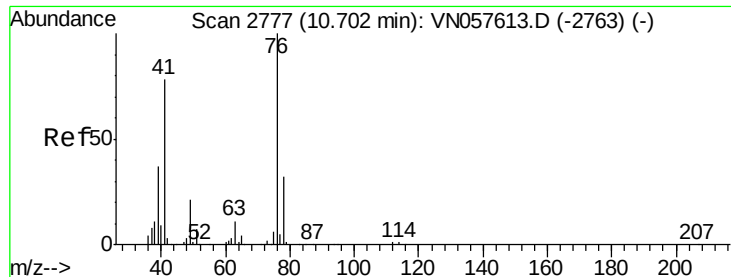
Abundance

Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

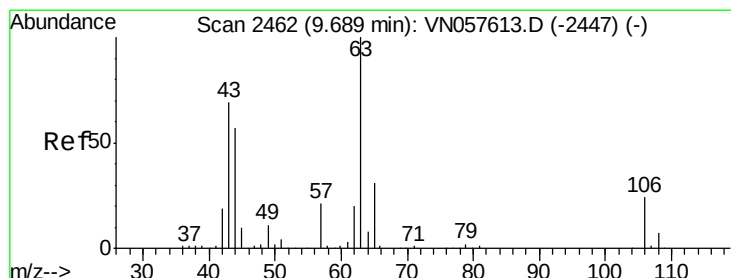
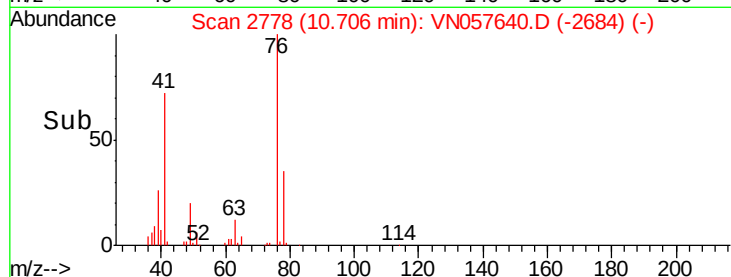
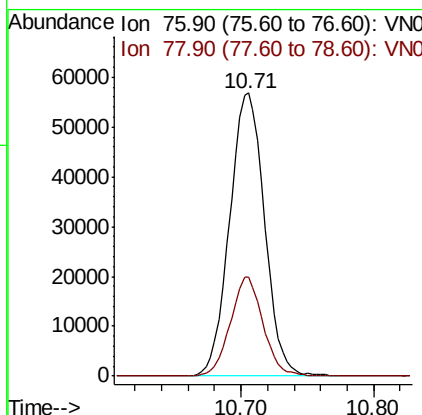
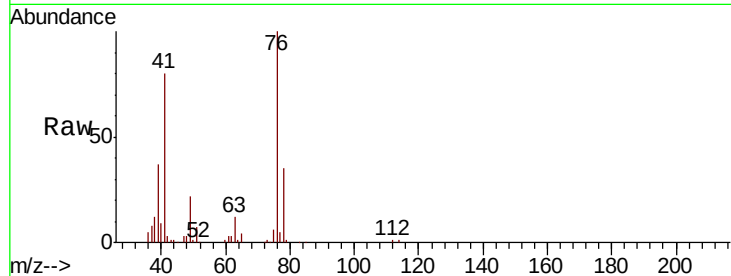




#57
 1,3-Dichloropropane
 Concen: 20.659 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

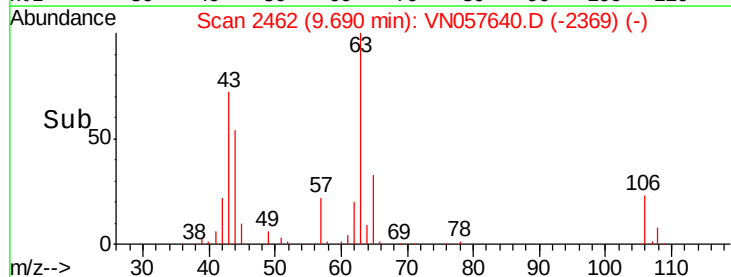
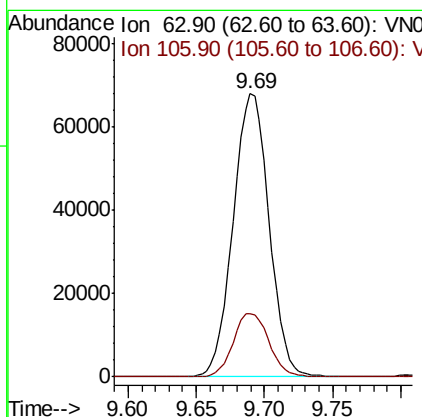
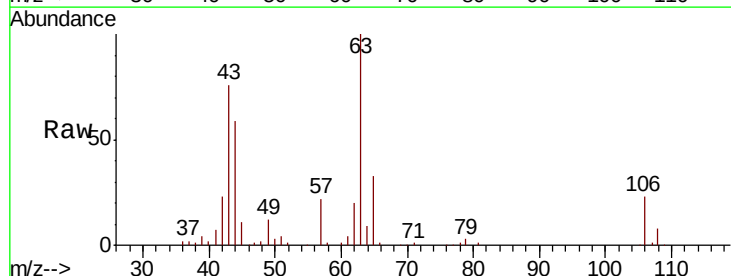
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

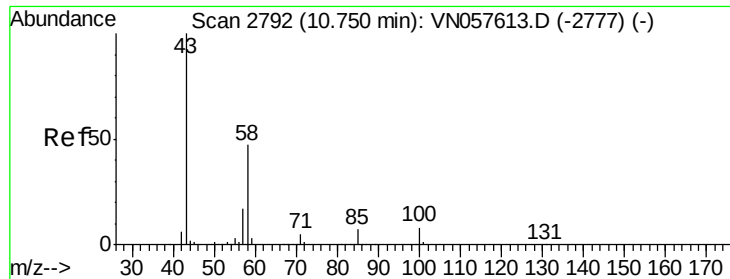
Tgt Ion: 76 Resp: 103858
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.4 38.2



#58
 2-Chloroethyl Vinyl ether
 Concen: 92.829 ug/l
 RT: 9.69 min Scan# 2462
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 63 Resp: 124190
 Ion Ratio Lower Upper
 63 100
 106 22.3 18.3 27.5

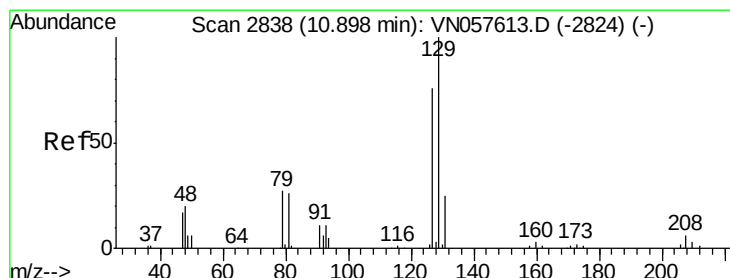
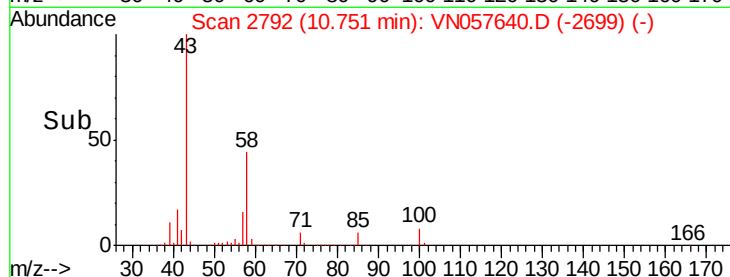
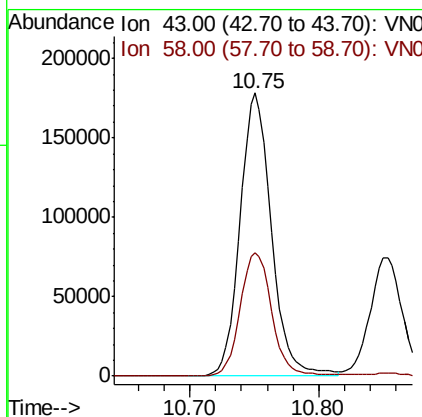
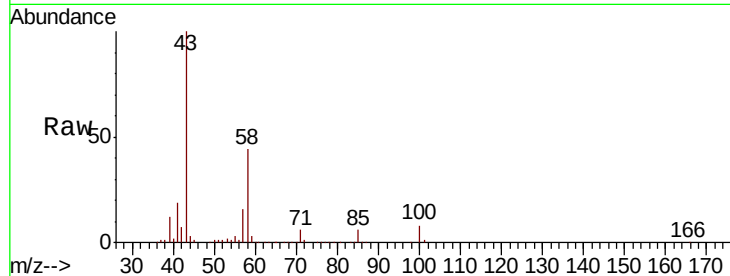




#59
2-Hexanone
Concen: 99.077 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

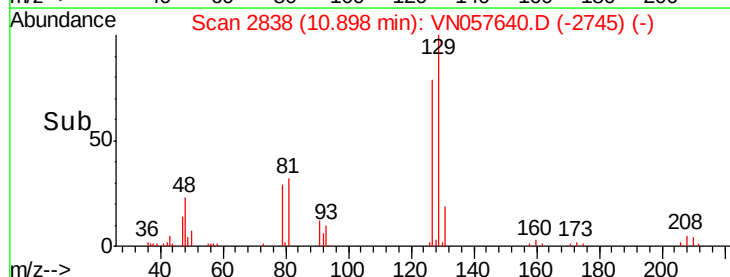
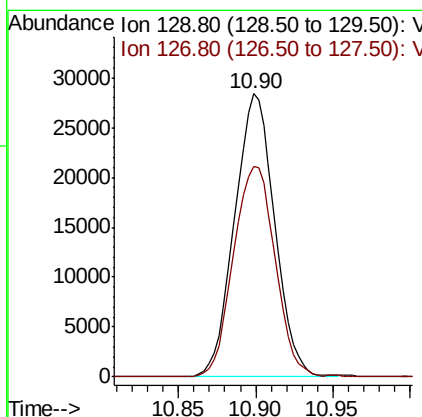
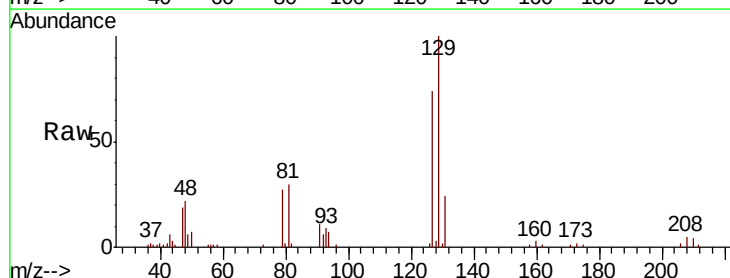
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

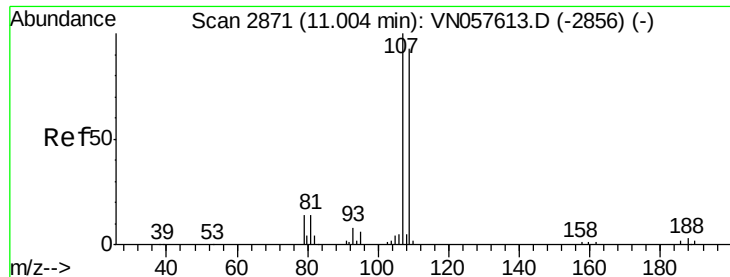
Tgt Ion: 43 Resp: 300004
Ion Ratio Lower Upper
43 100
58 44.1 23.5 70.5



#60
Dibromochloromethane
Concen: 19.370 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 129 Resp: 51166
Ion Ratio Lower Upper
129 100
127 77.2 38.3 114.8





#61

1,2-Dibromoethane

Concen: 20.323 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

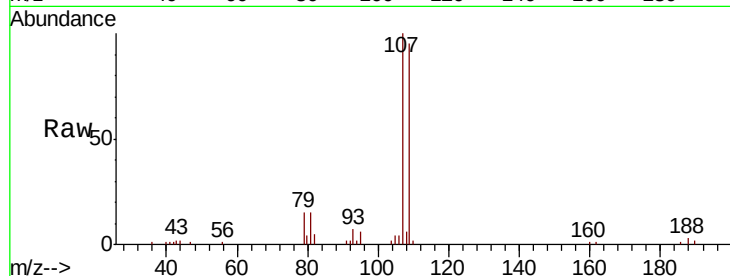
VN0902WBS01

Tgt Ion: 107 Resp: 56073

Ion Ratio Lower Upper

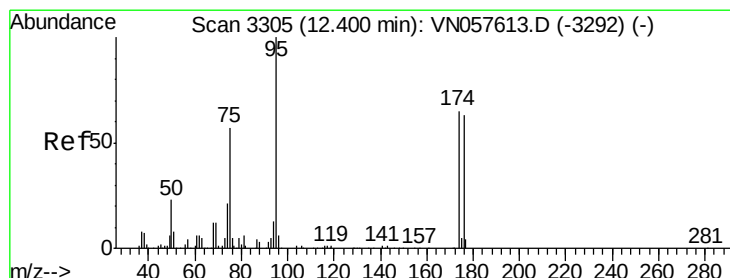
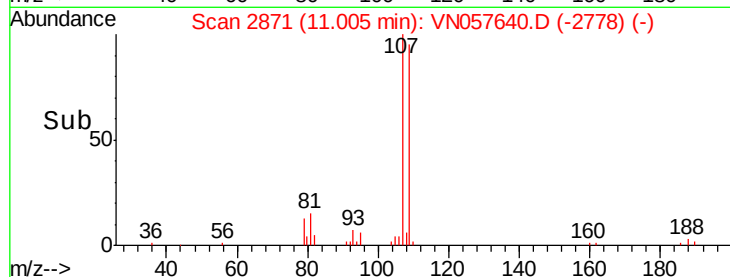
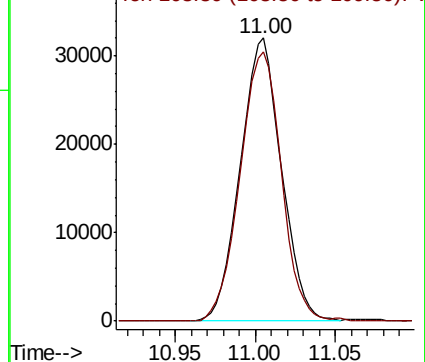
107 100

109 95.6 75.0 112.4



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 46.187 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

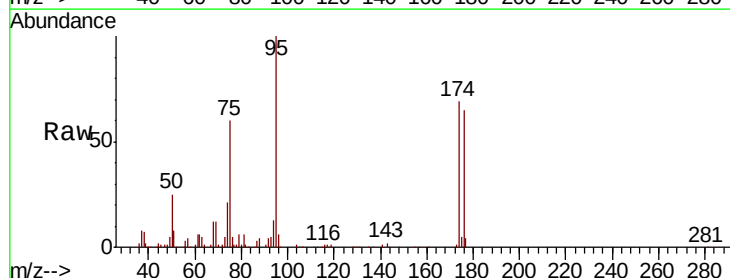
Tgt Ion: 95 Resp: 186446

Ion Ratio Lower Upper

95 100

174 68.8 0.0 134.8

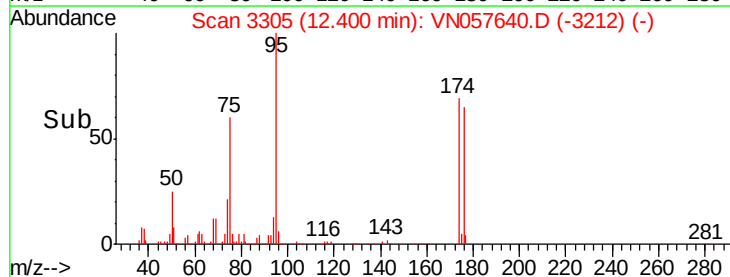
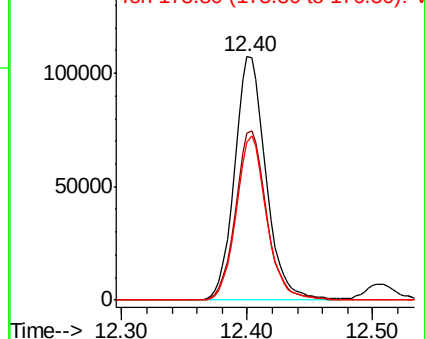
176 65.4 0.0 131.6

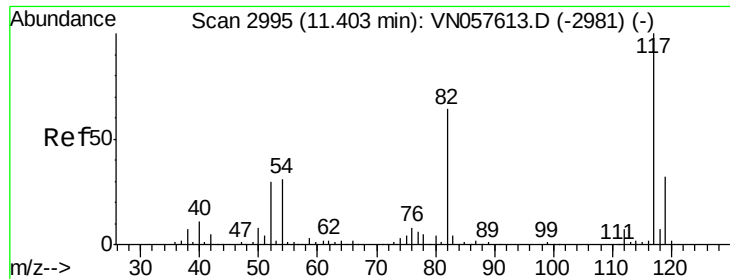


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

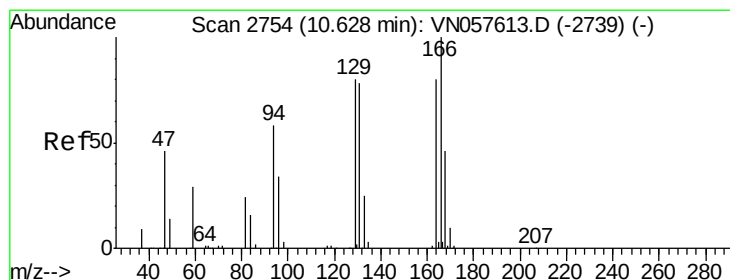
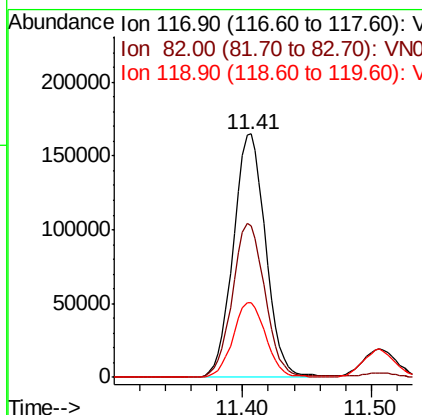
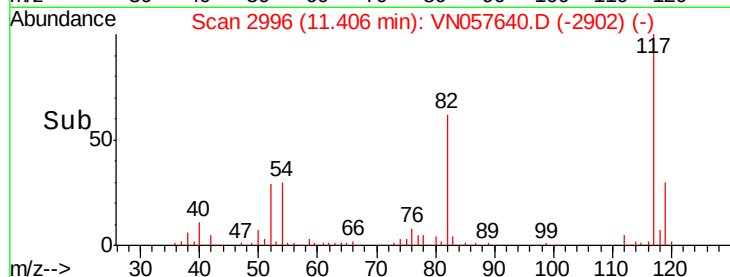
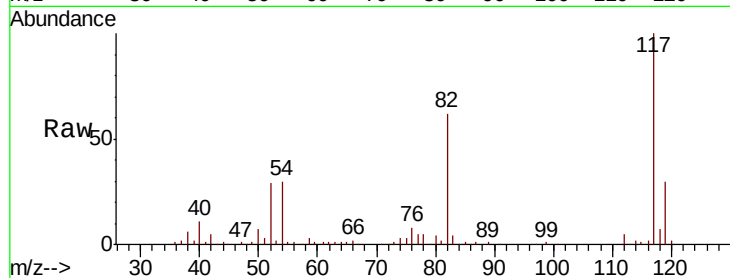




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

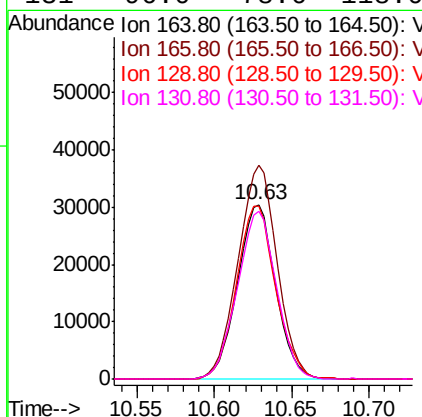
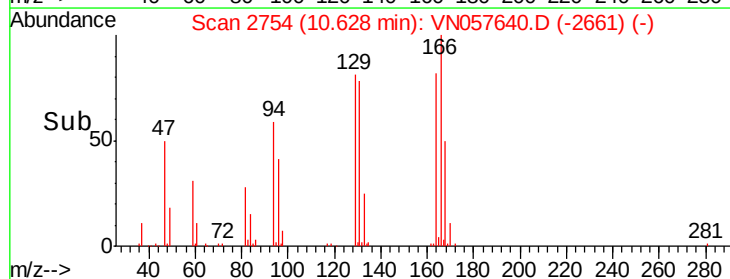
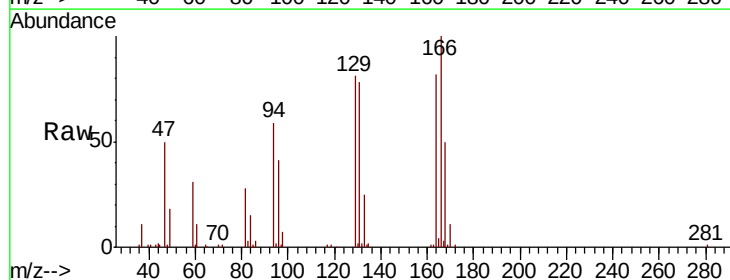
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

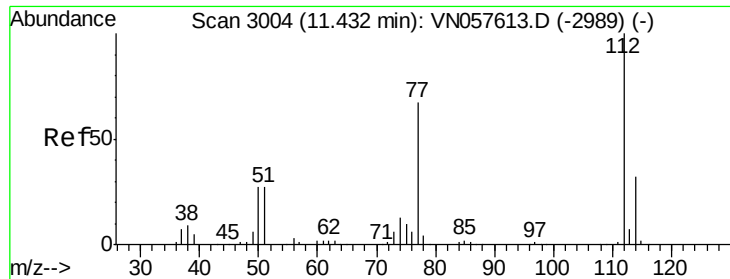
Tgt Ion:117 Resp: 288348
Ion Ratio Lower Upper
117 100
82 62.3 51.6 77.4
119 30.4 25.8 38.6



#64
Tetrachloroethene
Concen: 20.903 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion:164 Resp: 52191
Ion Ratio Lower Upper
164 100
166 122.5 100.6 151.0
129 99.1 80.4 120.6
131 96.0 78.6 118.0

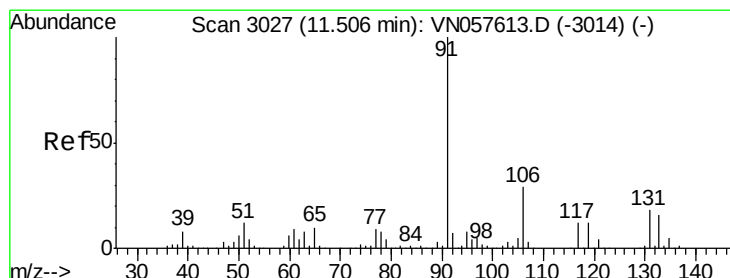
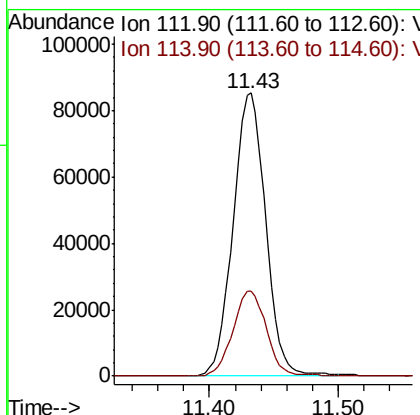
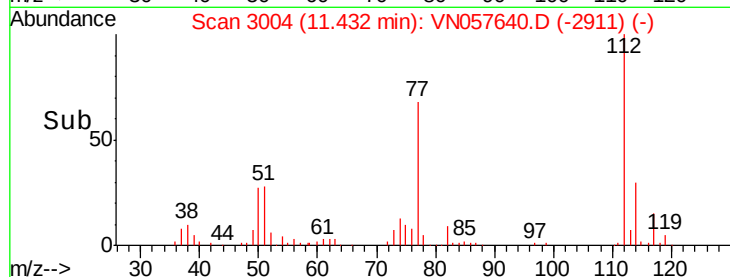
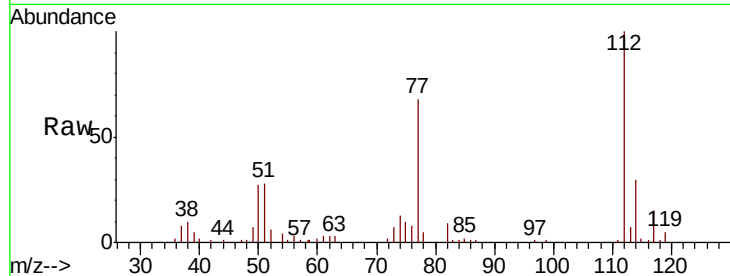




#65
Chlorobenzene
Concen: 20.735 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

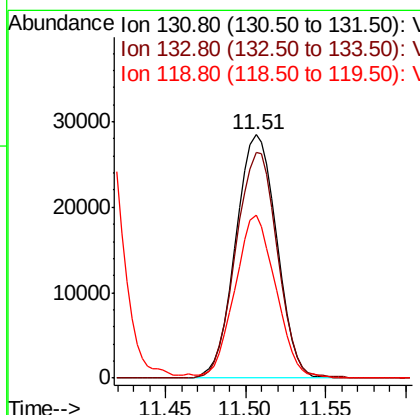
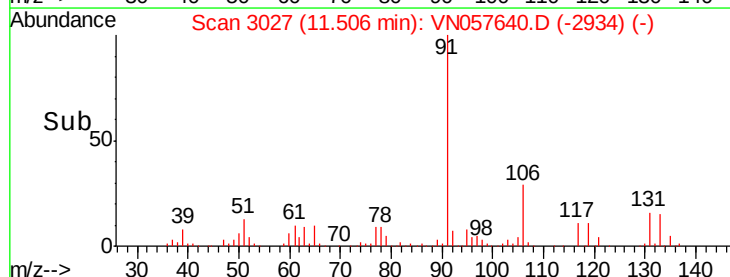
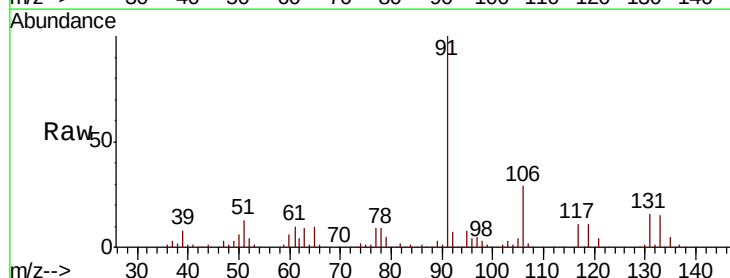
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

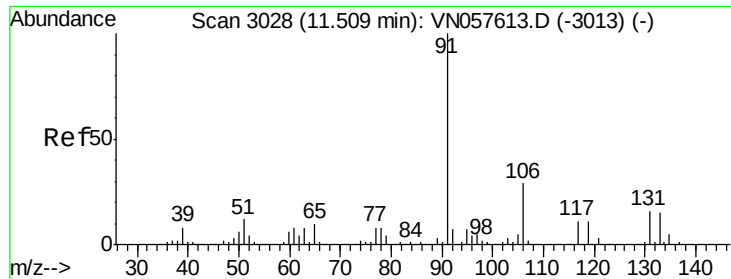
Tgt Ion:112 Resp: 149822
Ion Ratio Lower Upper
112 100
114 30.1 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 19.778 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion:131 Resp: 49840
Ion Ratio Lower Upper
131 100
133 94.2 47.8 143.4
119 66.2 33.9 101.6

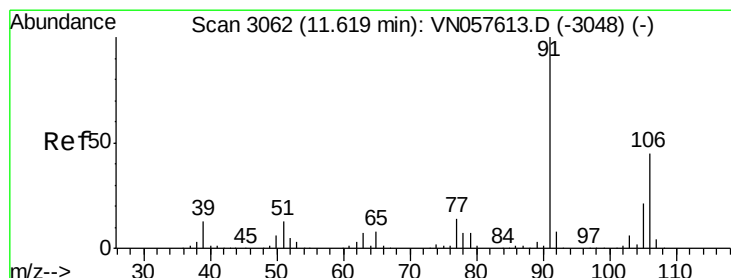
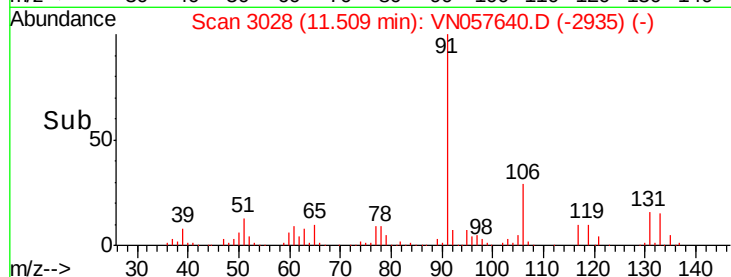
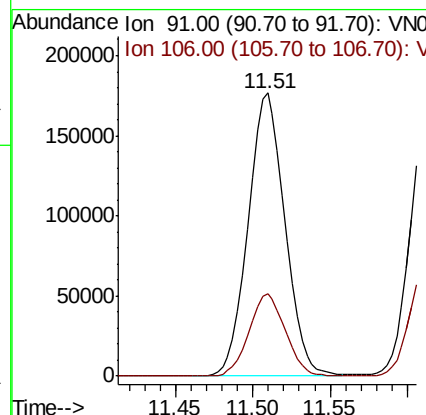
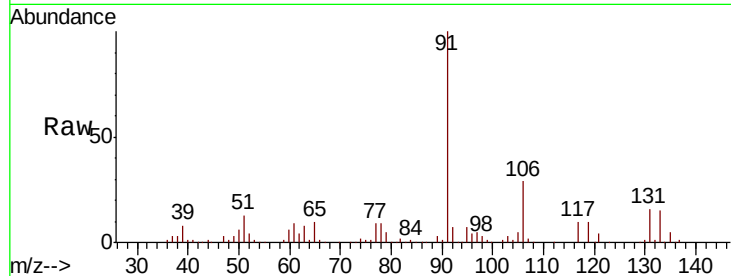




#67
Ethyl Benzene
Concen: 20.879 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

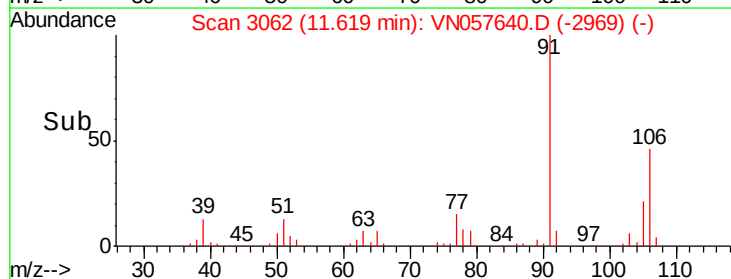
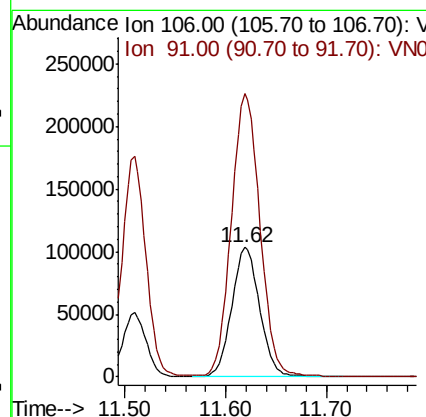
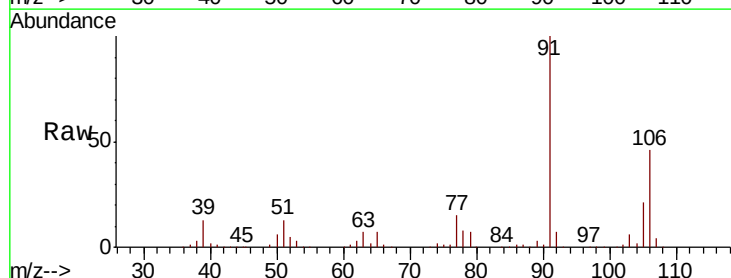
Instrument :
MSVOA_N
ClientSampled :
VN0902WBS01

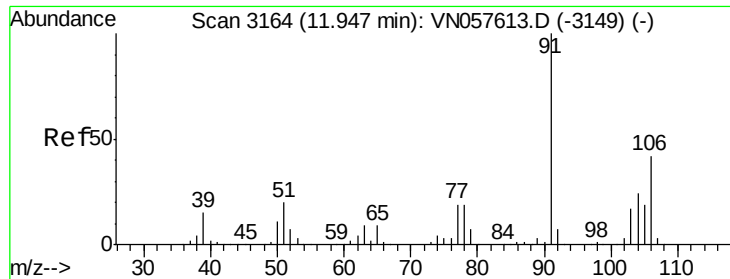
Tgt Ion: 91 Resp: 293114
Ion Ratio Lower Upper
91 100
106 29.1 22.9 34.3



#68
m/p-Xylenes
Concen: 40.393 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion: 106 Resp: 199776
Ion Ratio Lower Upper
106 100
91 224.9 176.2 264.2

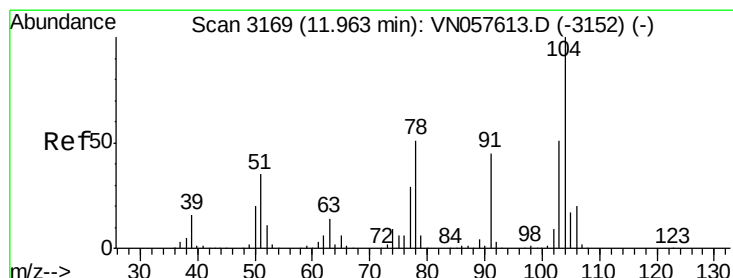
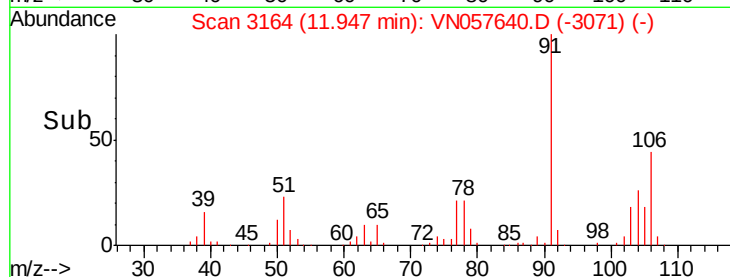
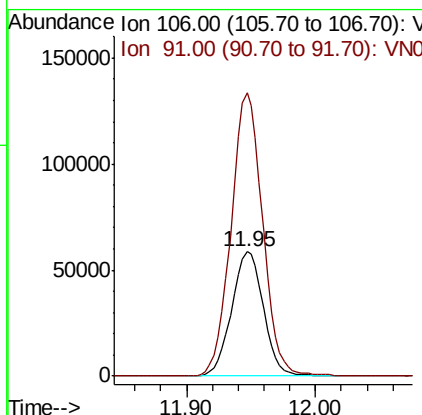
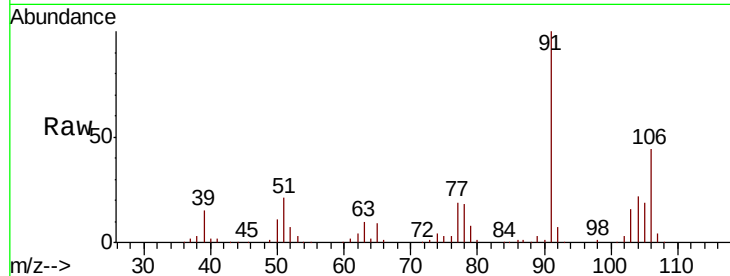




#69
o-Xylene
Concen: 20.983 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

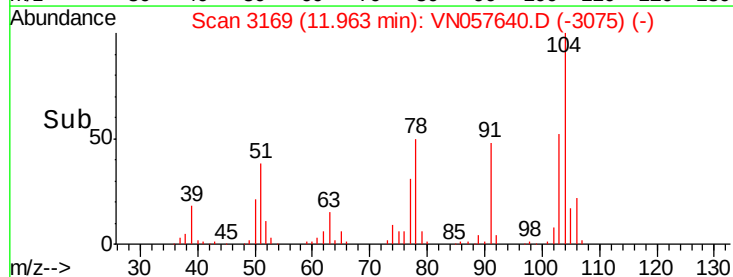
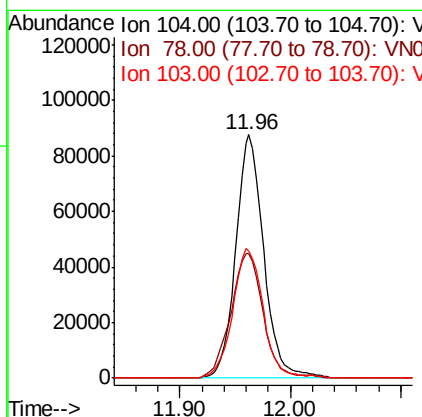
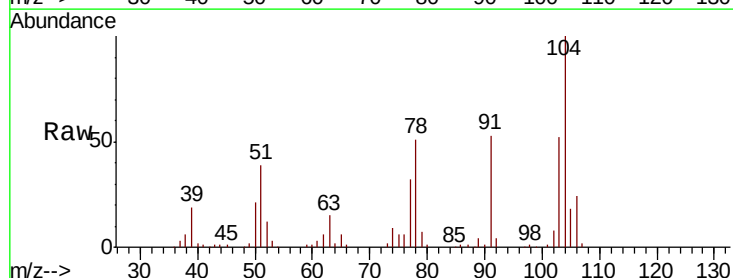
Instrument :
MSVOA_N
ClientSampleId :
VN0902WBS01

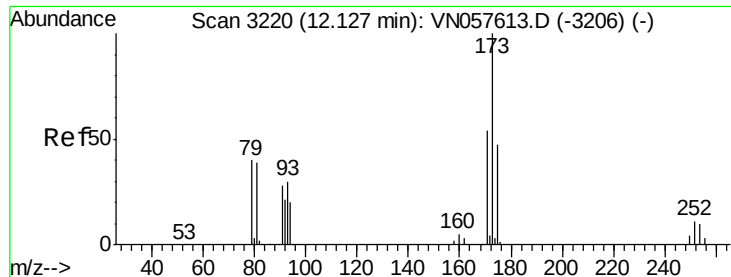
Tgt Ion:106 Resp: 100573
Ion Ratio Lower Upper
106 100
91 225.8 117.3 351.8



#70
Styrene
Concen: 19.476 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057640.D
Acq: 1 Sep 2019 13:31

Tgt Ion:104 Resp: 153662
Ion Ratio Lower Upper
104 100
78 59.4 46.6 70.0
103 58.1 44.7 67.1

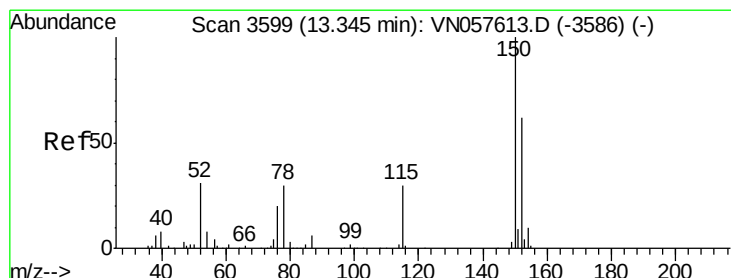
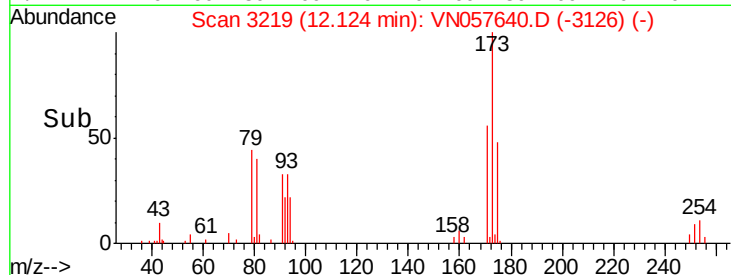
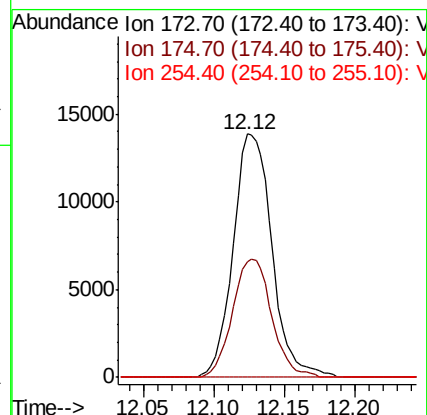
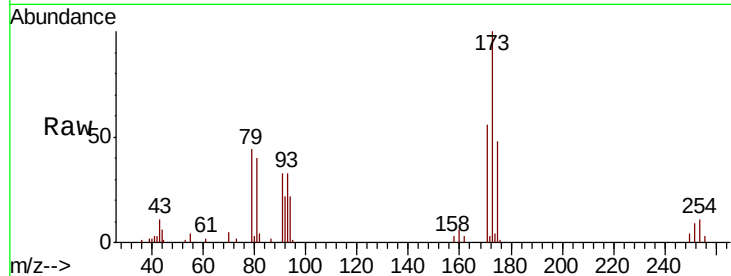




#71
 Bromoform
 Concen: 18.705 ug/l
 RT: 12.12 min Scan# 3219
 Delta R.T. -0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

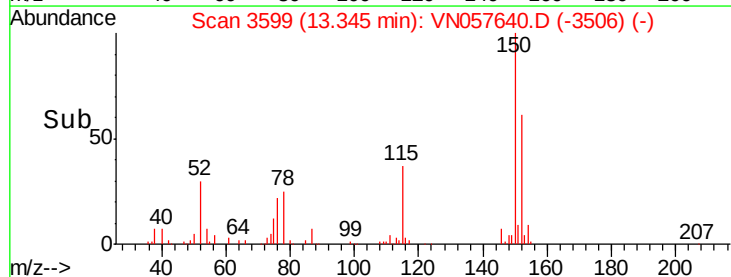
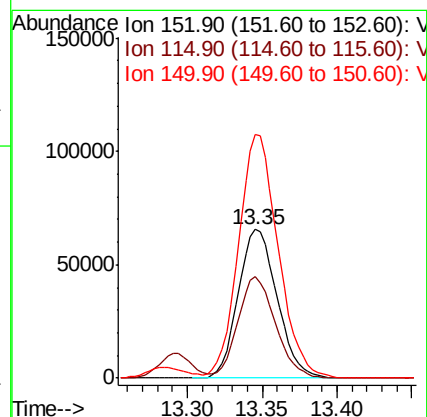
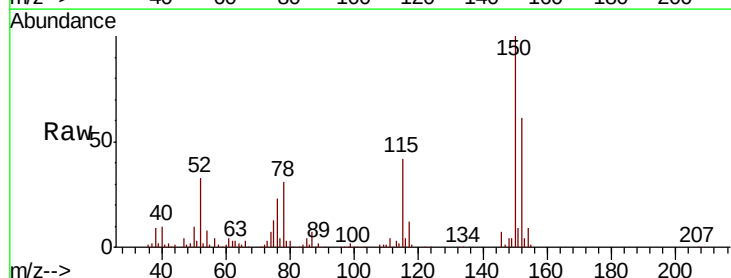
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

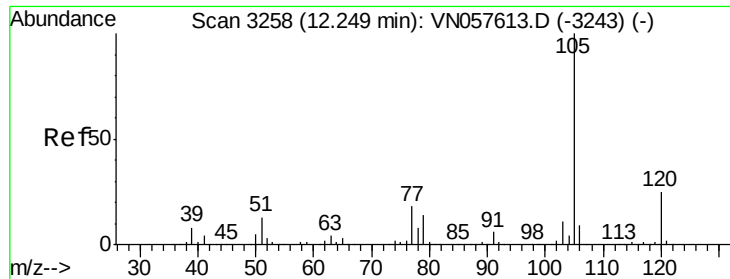
Tgt Ion:173 Resp: 26707
 Ion Ratio Lower Upper
 173 100
 175 49.1 24.4 73.4
 254 0.0 0.0 0.0



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.35 min Scan# 3599
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion:152 Resp: 118725
 Ion Ratio Lower Upper
 152 100
 115 66.1 33.2 99.6
 150 167.0 0.0 365.2





#73

Isopropylbenzene

Concen: 22.414 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

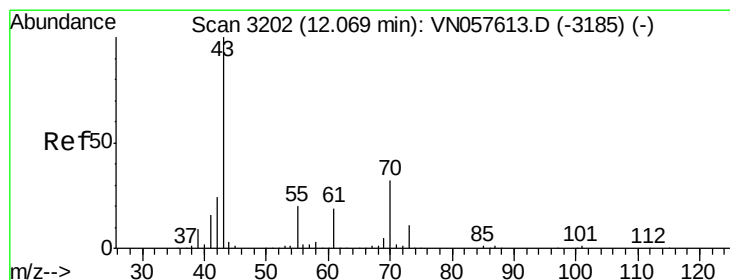
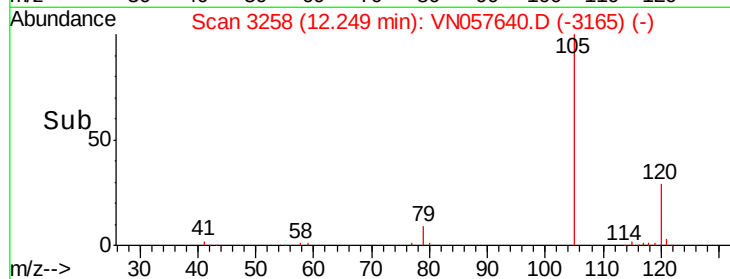
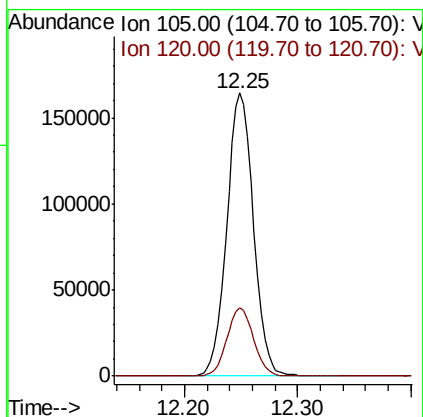
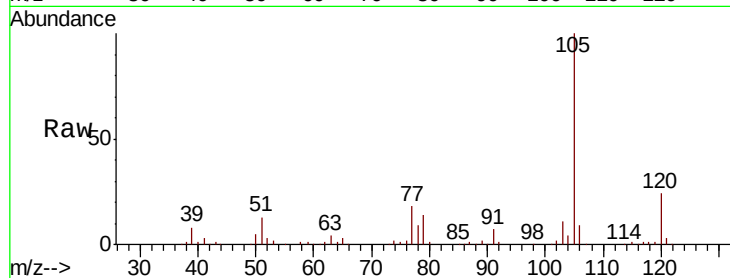
VN0902WBS01

Tgt Ion:105 Resp: 268670

Ion Ratio Lower Upper

105 100

120 24.2 12.7 38.1



#74

N-ethyl acetate

Concen: 21.256 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Tgt Ion: 43 Resp: 120243

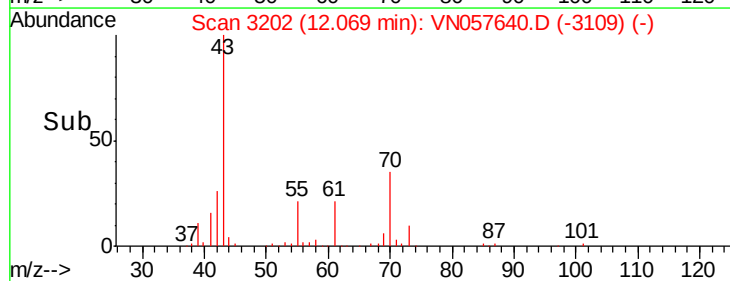
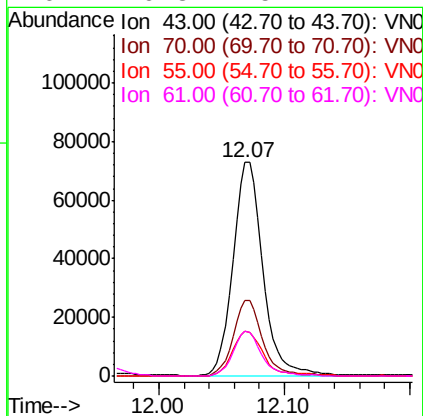
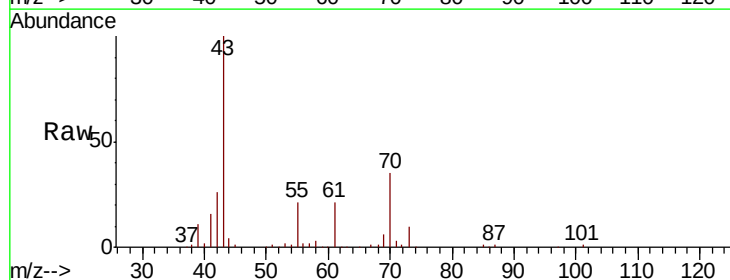
Ion Ratio Lower Upper

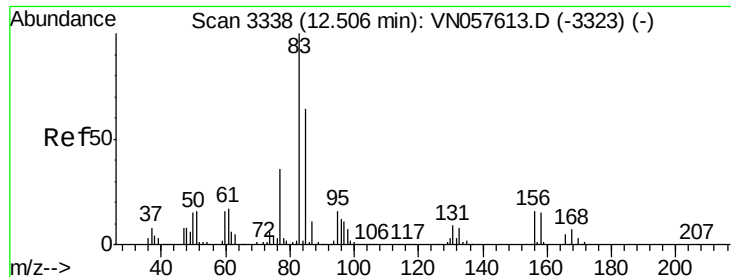
43 100

70 34.3 26.9 40.3

55 21.1 16.8 25.2

61 20.3 15.1 22.7





#75

1,1,2,2-Tetrachloroethane

Concen: 21.828 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

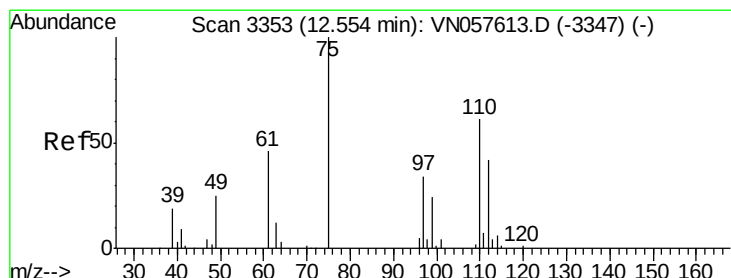
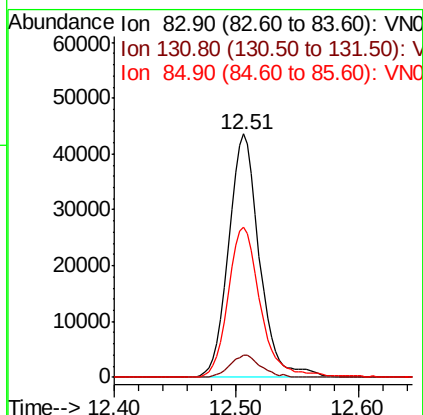
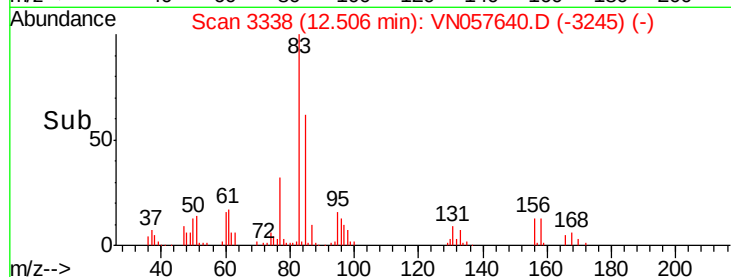
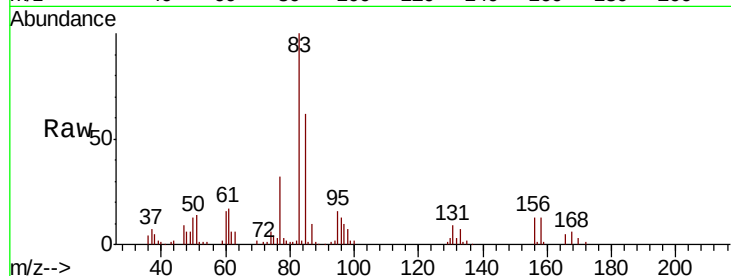
Tgt Ion: 83 Resp: 77117

Ion Ratio Lower Upper

83 100

131 9.1 4.5 13.7

85 64.4 31.3 93.8



#76

1,2,3-Trichloropropane

Concen: 30.683 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057640.D

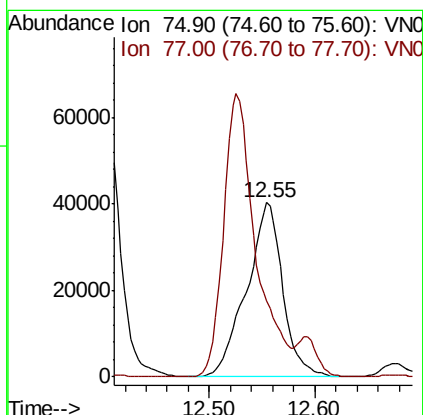
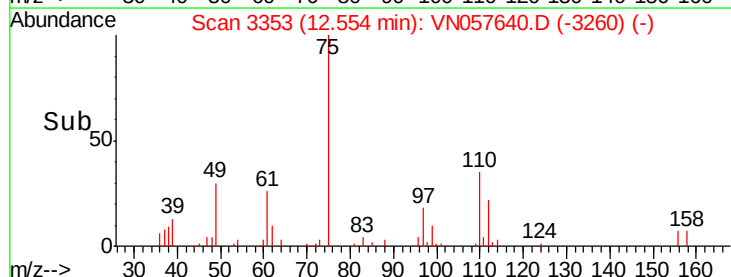
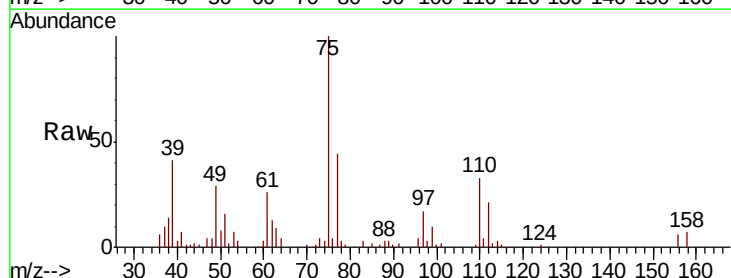
Acq: 1 Sep 2019 13:31

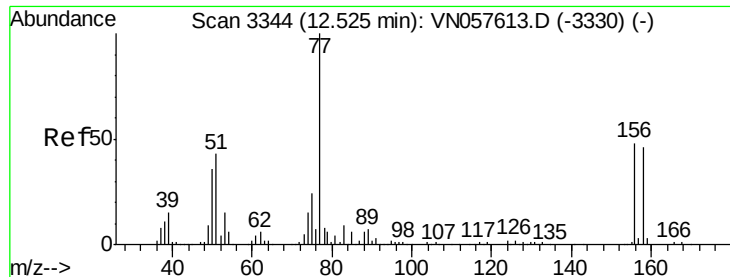
Tgt Ion: 75 Resp: 95823

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0





#77

Bromobenzene

Concen: 22.301 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

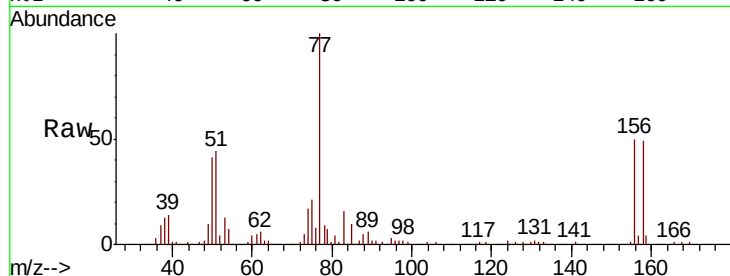
Tgt Ion:156 Resp: 56896

Ion Ratio Lower Upper

156 100

77 245.2 123.5 370.5

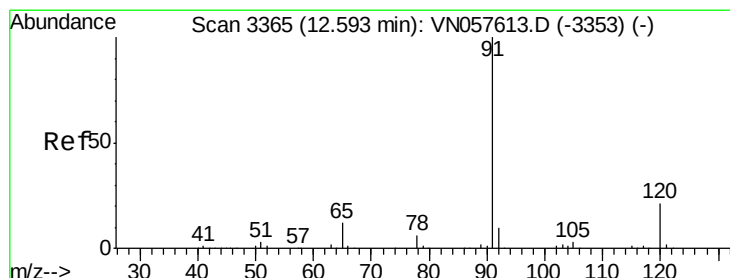
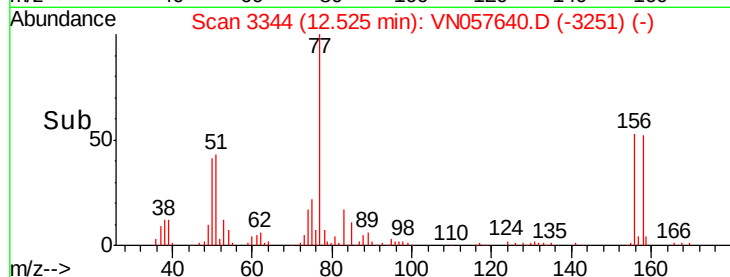
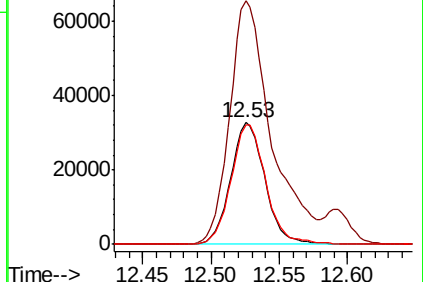
158 99.9 47.8 143.3



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 21.778 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN057640.D

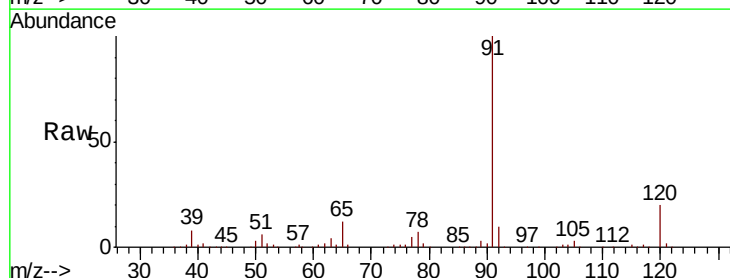
Acq: 1 Sep 2019 13:31

Tgt Ion: 91 Resp: 290556

Ion Ratio Lower Upper

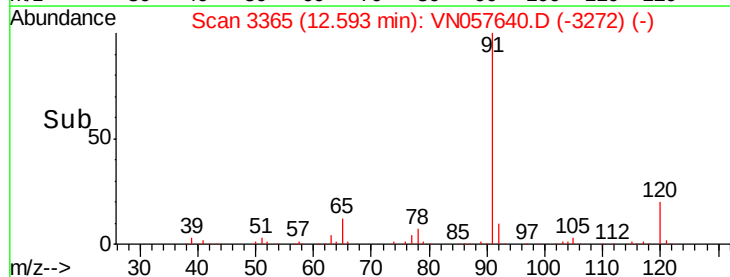
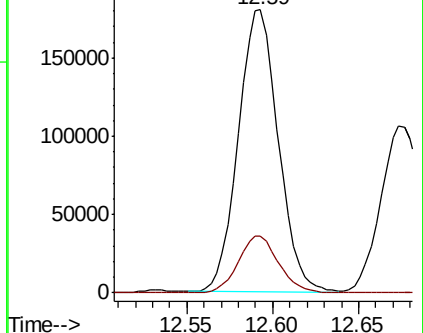
91 100

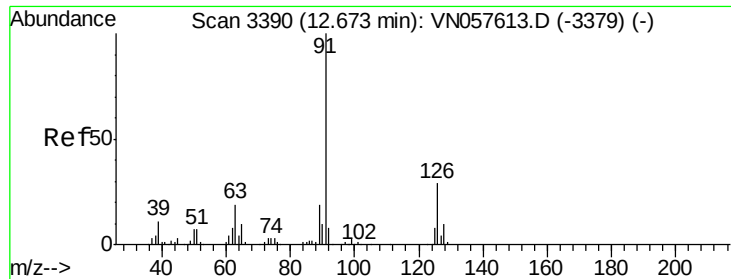
120 20.4 10.4 31.4



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.064 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

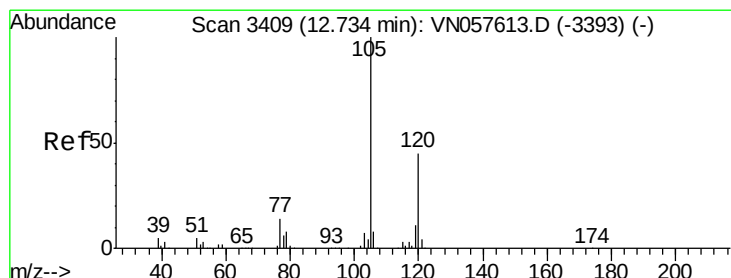
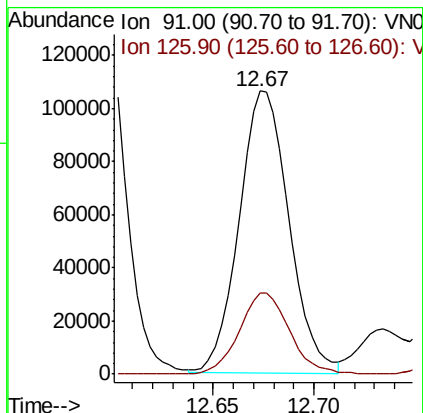
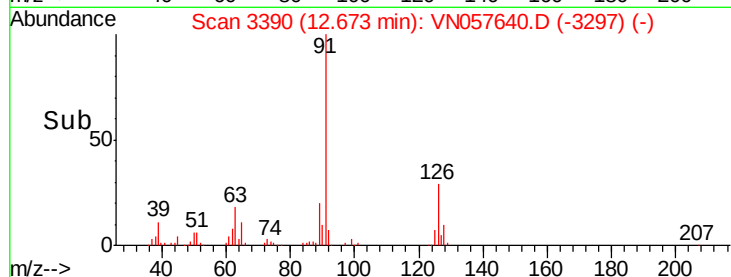
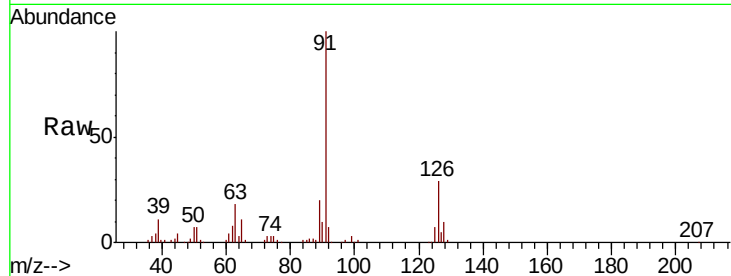
VN0902WBS01

Tgt Ion: 91 Resp: 183558

Ion Ratio Lower Upper

91 100

126 29.2 14.9 44.5



#80

1,3,5-Trimethylbenzene

Concen: 22.353 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057640.D

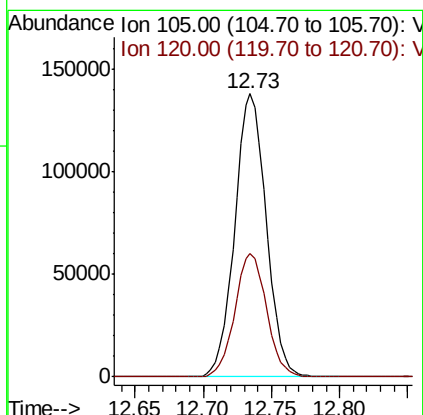
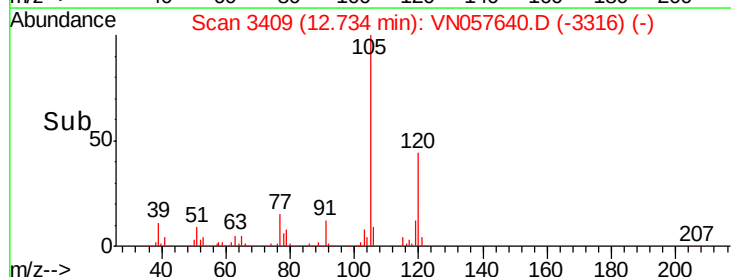
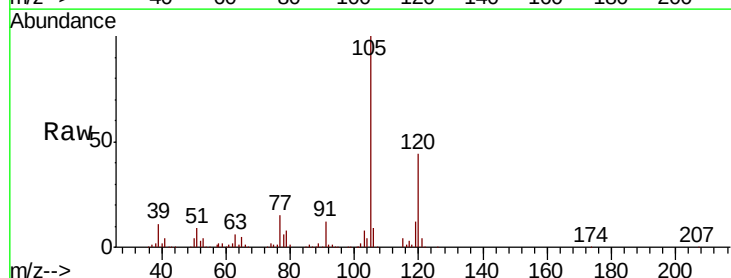
Acq: 1 Sep 2019 13:31

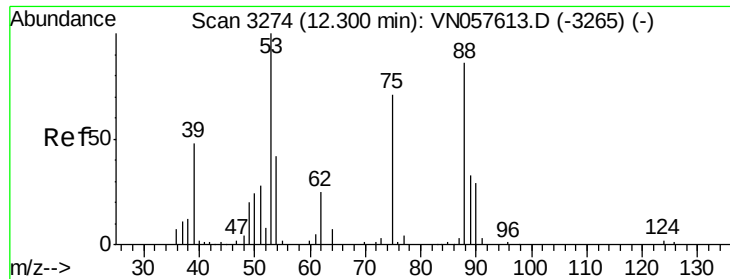
Tgt Ion: 105 Resp: 220429

Ion Ratio Lower Upper

105 100

120 43.9 22.6 67.8





#81

trans-1,4-Dichloro-2-butene

Concen: 18.586 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

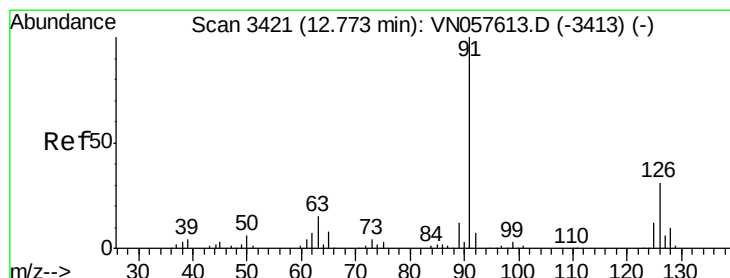
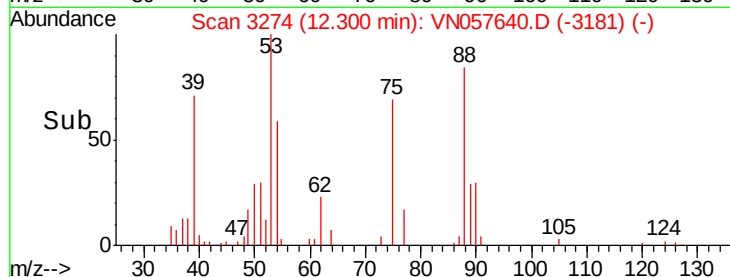
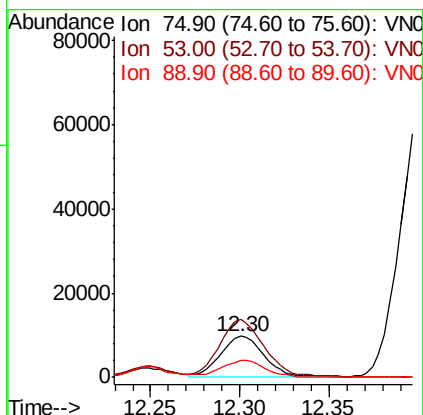
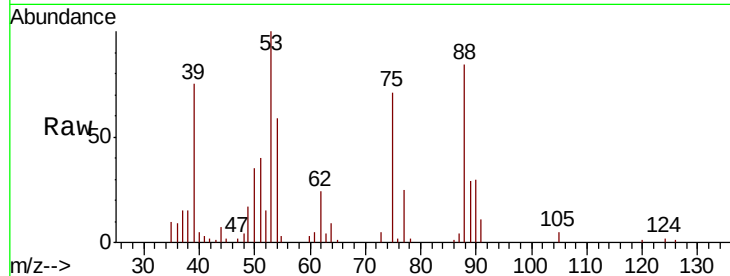
Tgt Ion: 75 Resp: 16933

Ion Ratio Lower Upper

75 100

53 136.6 111.0 166.6

89 40.4 38.3 57.5



#82

4-Chlorotoluene

Concen: 21.121 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057640.D

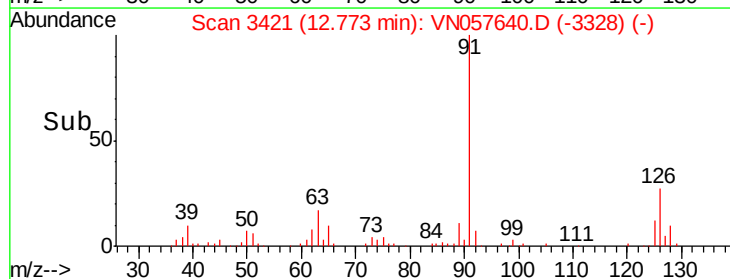
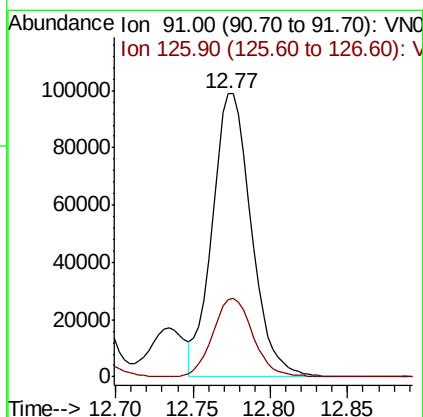
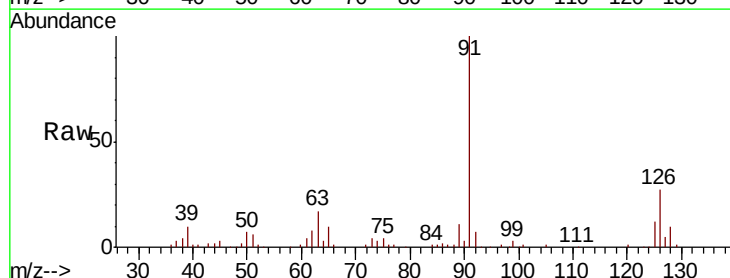
Acq: 1 Sep 2019 13:31

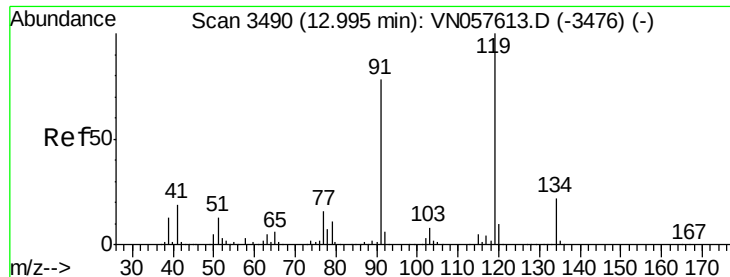
Tgt Ion: 91 Resp: 173927

Ion Ratio Lower Upper

91 100

126 28.5 14.4 43.2





#83

tert-Butylbenzene

Concen: 22.654 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampled :

VN0902WBS01

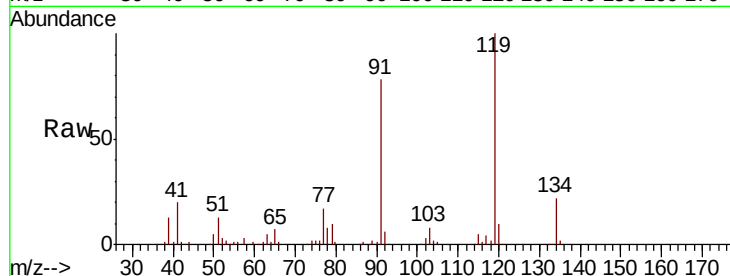
Tgt Ion:119 Resp: 189559

Ion Ratio Lower Upper

119 100

91 76.9 38.3 114.9

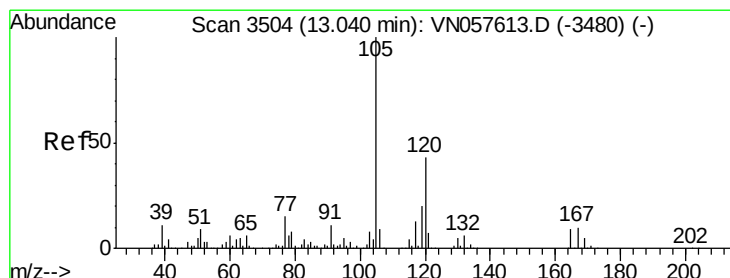
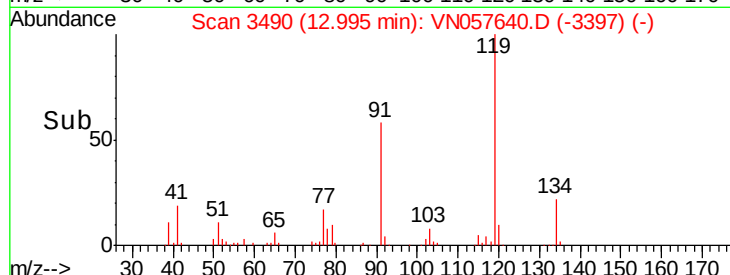
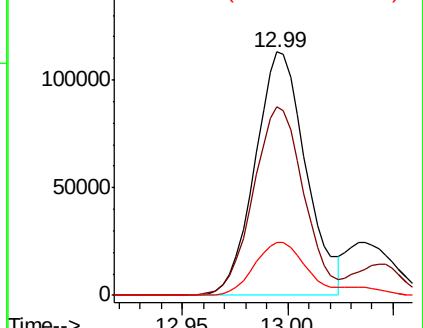
134 24.6 11.3 33.8



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 91.00 (90.70 to 91.70): VN

Ion 134.00 (133.70 to 134.70): V



#84

1,2,4-Trimethylbenzene

Concen: 21.462 ug/l

RT: 13.04 min Scan# 3505

Delta R.T. 0.00 min

Lab File: VN057640.D

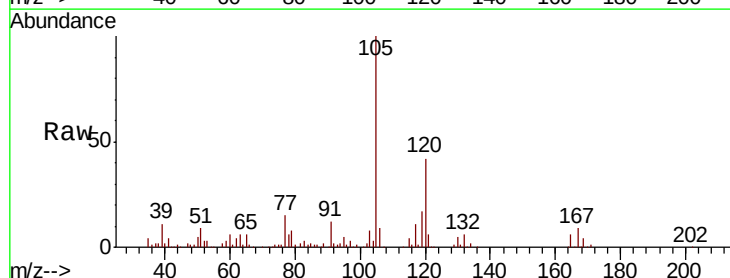
Acq: 1 Sep 2019 13:31

Tgt Ion:105 Resp: 204758

Ion Ratio Lower Upper

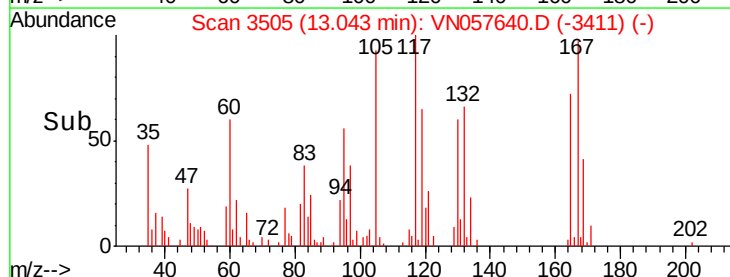
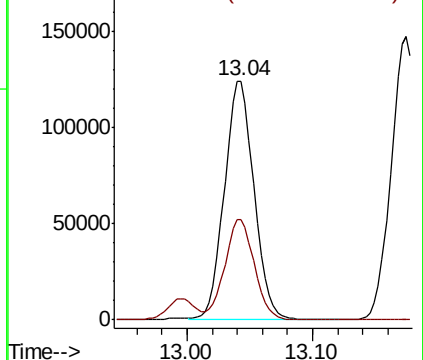
105 100

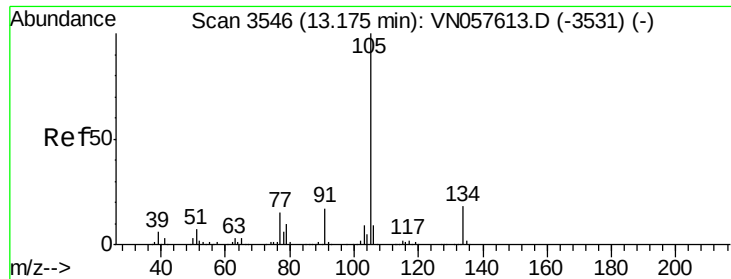
120 41.9 20.8 62.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#85

sec-Butylbenzene

Concen: 21.014 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

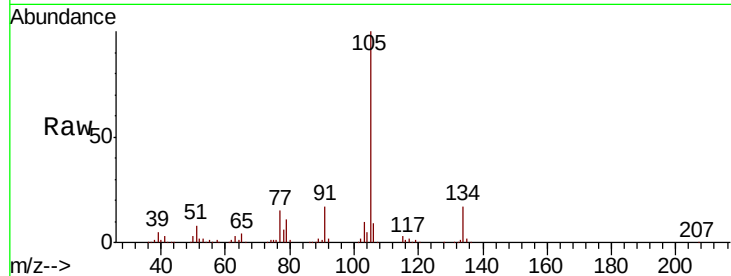
VN0902WBS01

Tgt Ion:105 Resp: 236509

Ion Ratio Lower Upper

105 100

134 17.5 8.9 26.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

13.17

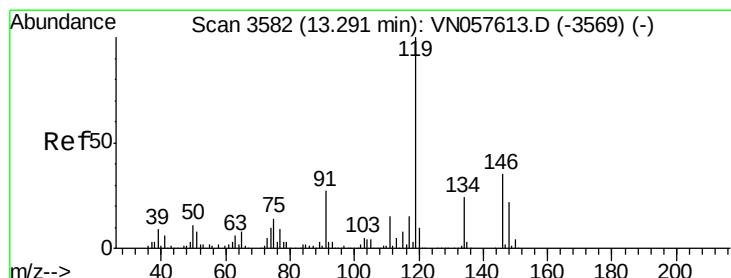
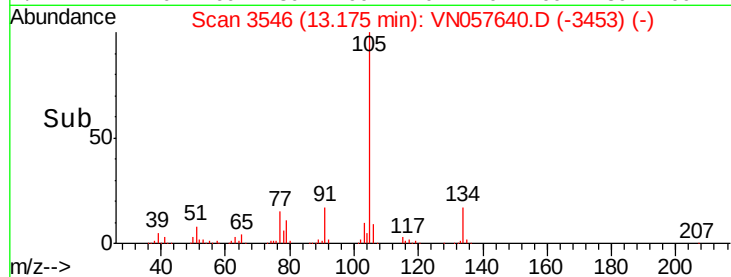
150000

100000

50000

0

Time--> 13.10 13.15 13.20 13.25



#86

p-Isopropyltoluene

Concen: 21.428 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

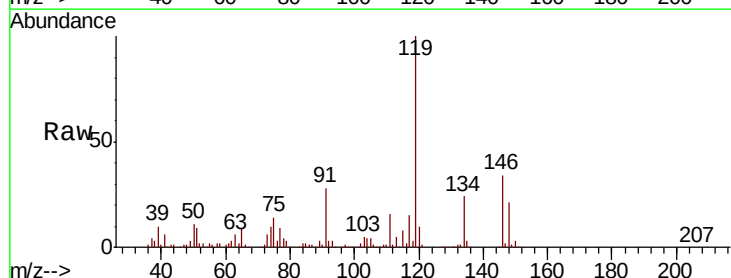
Tgt Ion:119 Resp: 199449

Ion Ratio Lower Upper

119 100

134 24.3 11.9 35.5

91 27.6 13.7 41.0



Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

13.29

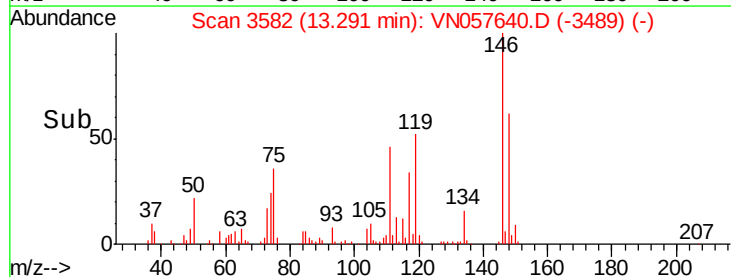
150000

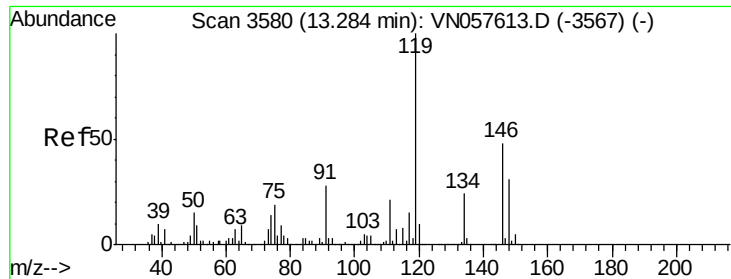
100000

50000

0

Time--> 13.20 13.25 13.30 13.35

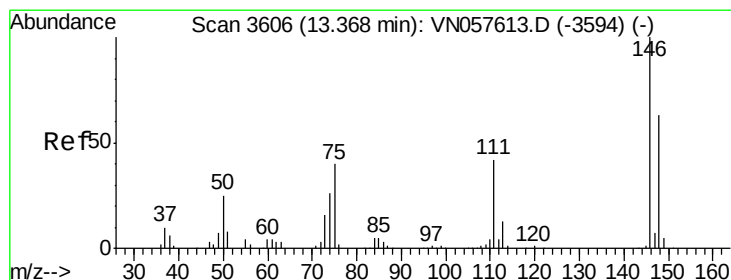
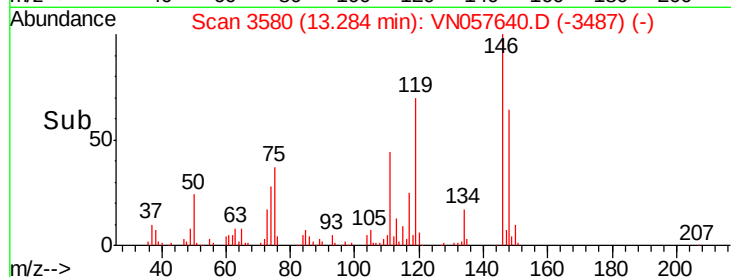
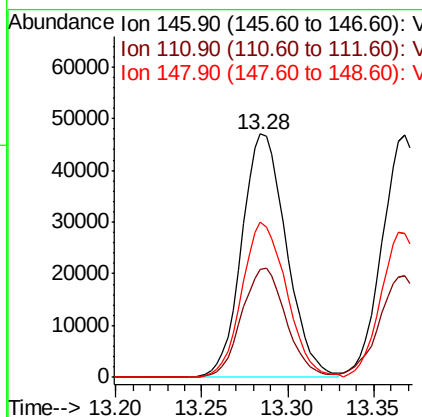
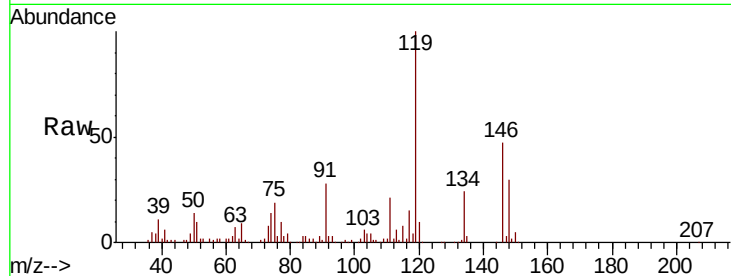




#87
 1,3-Dichlorobenzene
 Concen: 20.386 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

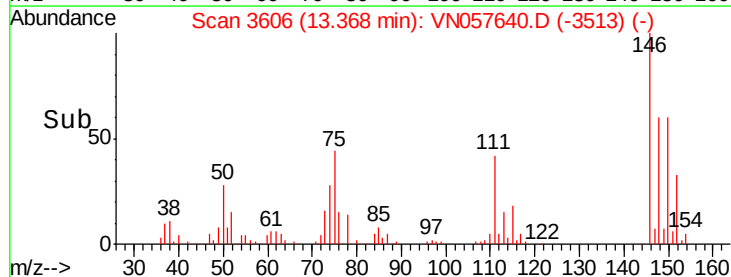
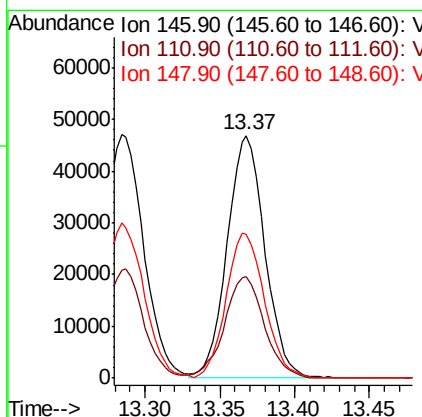
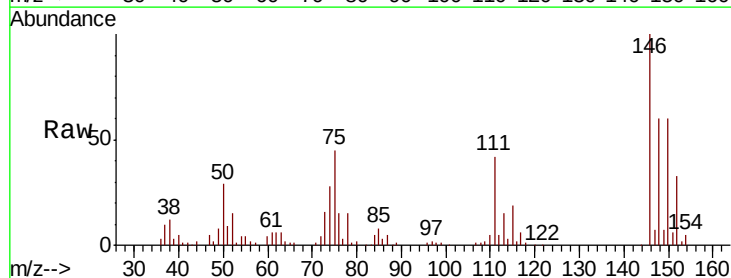
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

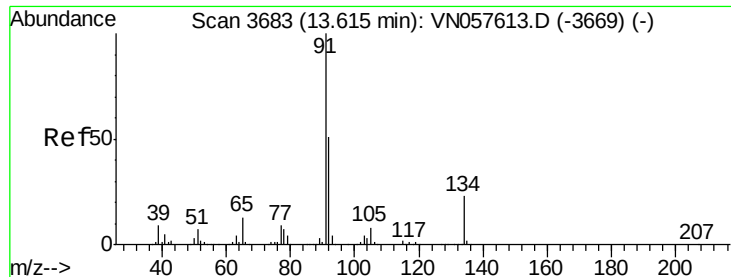
Tgt Ion:146 Resp: 84733
 Ion Ratio Lower Upper
 146 100
 111 44.6 21.8 65.3
 148 63.8 31.4 94.2



#88
 1,4-Dichlorobenzene
 Concen: 20.507 ug/l
 RT: 13.37 min Scan# 3606
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion:146 Resp: 82332
 Ion Ratio Lower Upper
 146 100
 111 44.5 21.6 65.0
 148 60.7 32.2 96.6





#89

n-Butylbenzene

Concen: 20.647 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

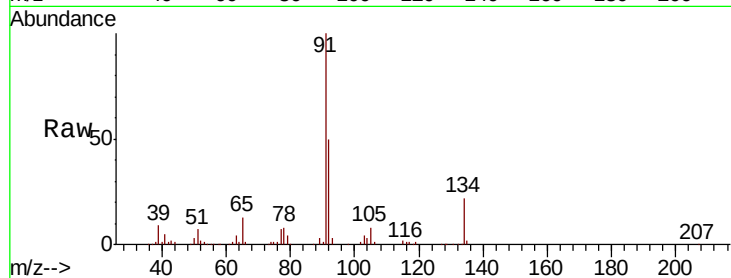
Tgt Ion: 91 Resp: 180095

Ion Ratio Lower Upper

91 100

92 50.4 25.4 76.0

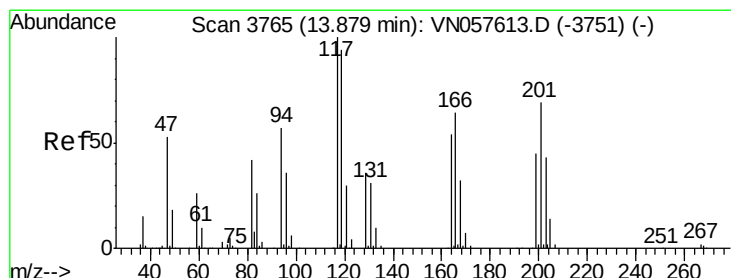
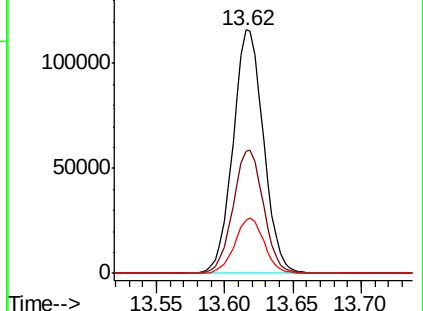
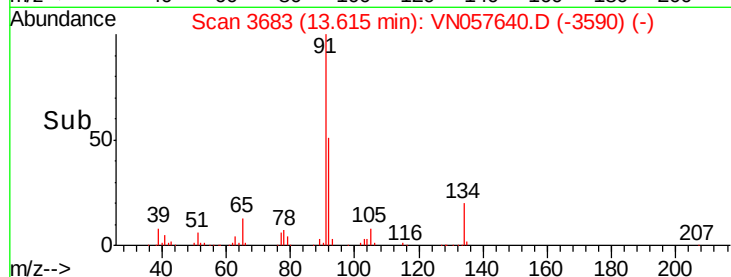
134 21.8 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN057613.D (-3669) (-)

Ion 92.00 (91.70 to 92.70): VN057613.D (-3669) (-)

Ion 134.00 (133.70 to 134.70): VN057613.D (-3669) (-)



#90

Hexachloroethane

Concen: 18.575 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. -0.00 min

Lab File: VN057640.D

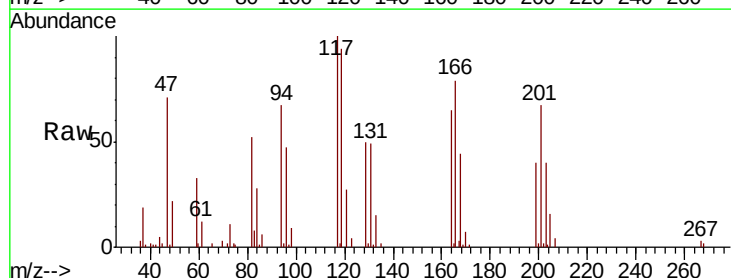
Acq: 1 Sep 2019 13:31

Tgt Ion: 117 Resp: 30016

Ion Ratio Lower Upper

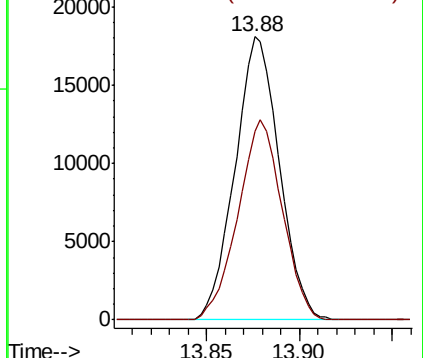
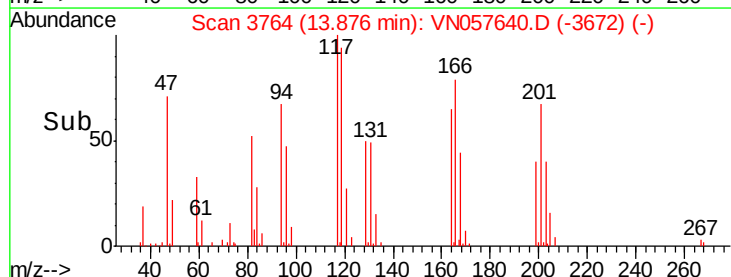
117 100

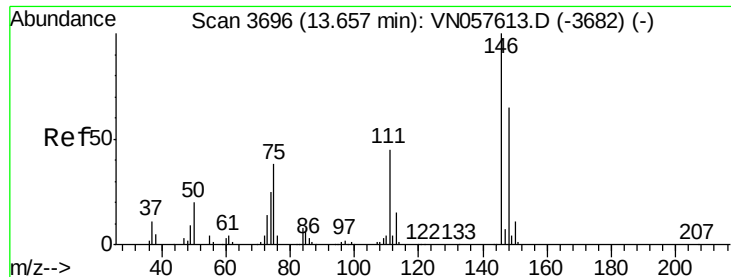
201 70.5 34.4 103.2



Abundance Ion 116.80 (116.50 to 117.50): VN057613.D (-3751) (-)

Ion 200.70 (200.40 to 201.40): VN057613.D (-3751) (-)

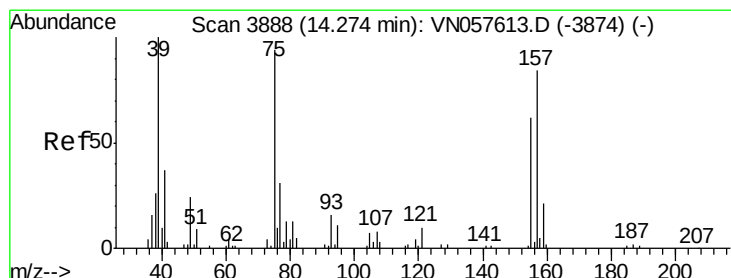
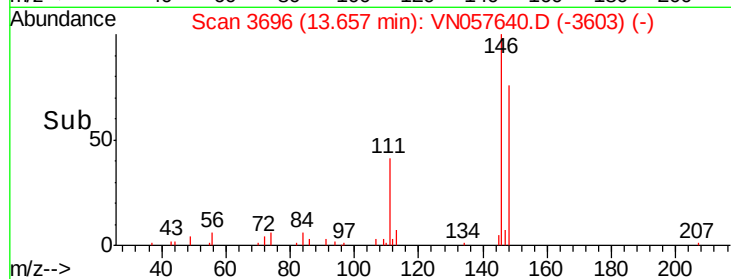
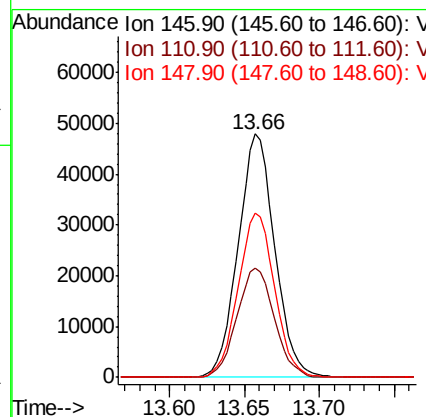
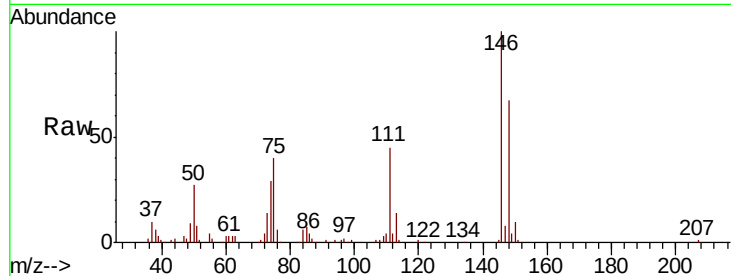




#91
 1,2-Dichlorobenzene
 Concen: 20.580 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

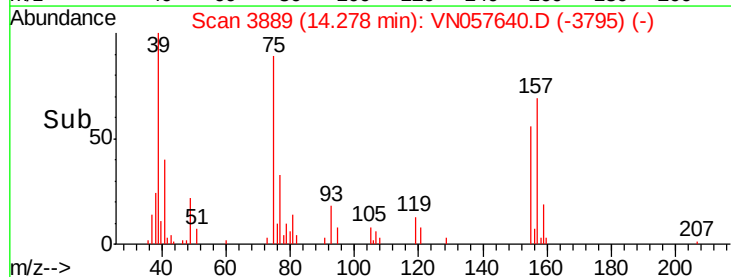
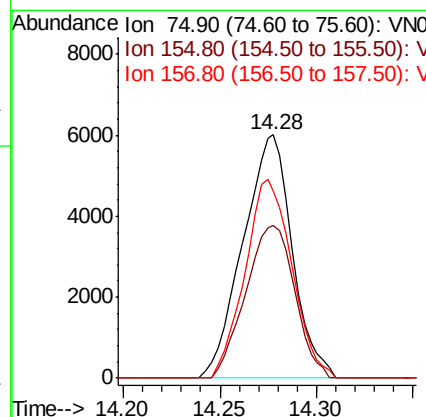
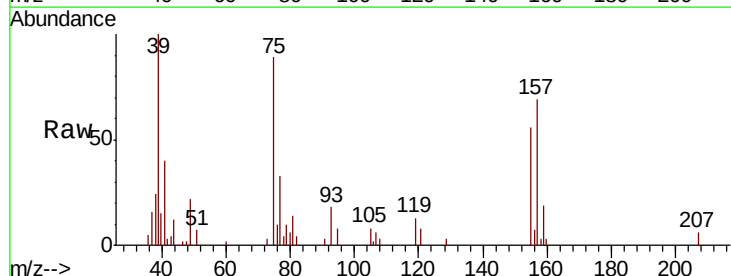
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

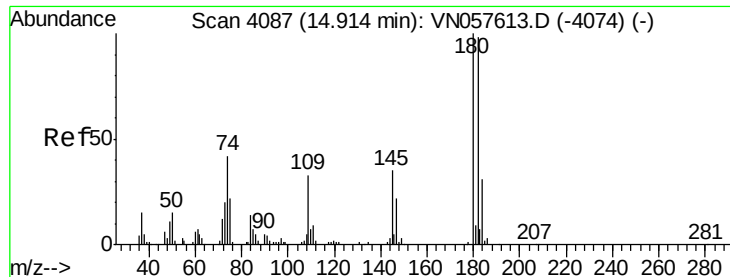
Tgt Ion:146 Resp: 81625
 Ion Ratio Lower Upper
 146 100
 111 45.8 22.1 66.5
 148 67.1 31.6 94.7



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 19.539 ug/l
 RT: 14.28 min Scan# 3889
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion: 75 Resp: 10629
 Ion Ratio Lower Upper
 75 100
 155 62.4 30.1 90.5
 157 77.8 41.4 124.4

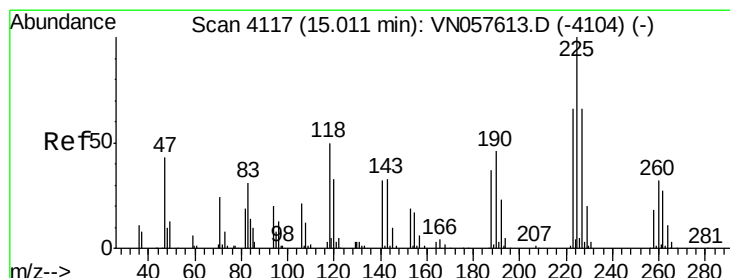
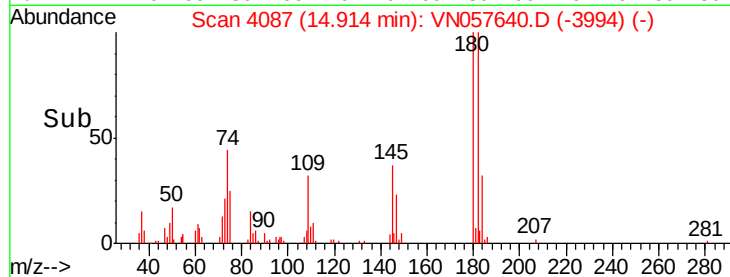
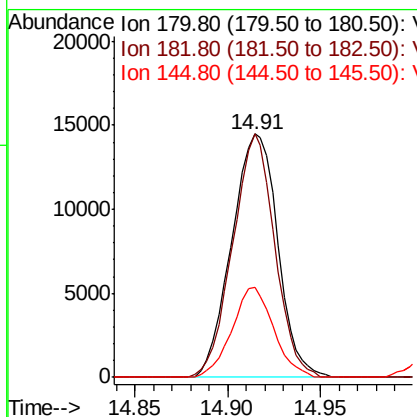
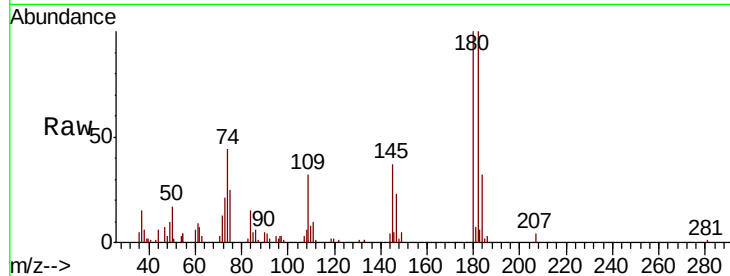




#93
 1,2,4-Trichlorobenzene
 Concen: 20.366 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

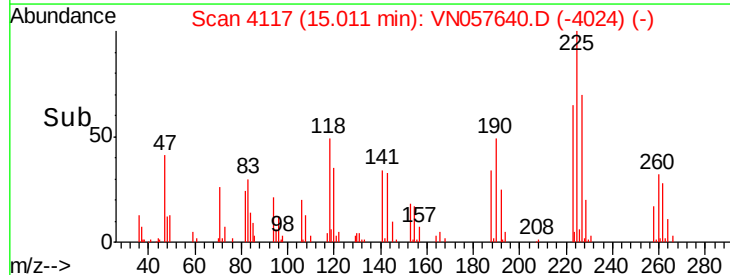
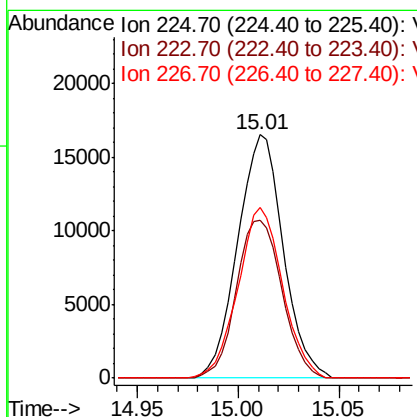
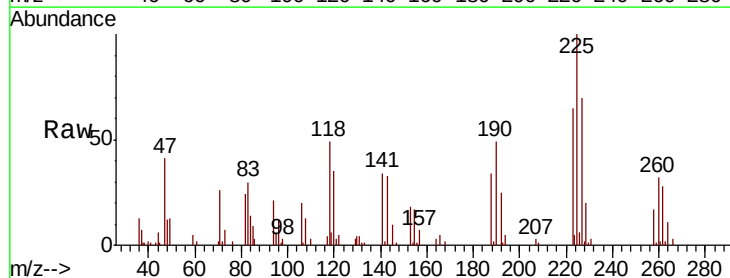
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0902WBS01

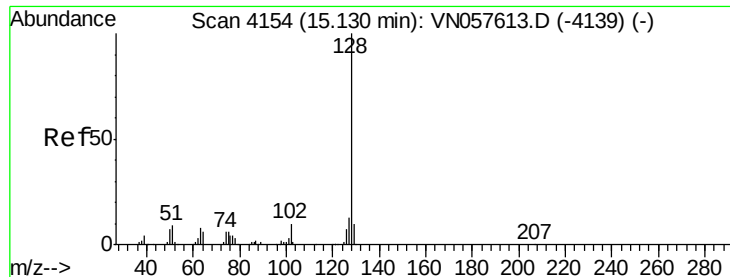
Tgt Ion:180 Resp: 24911
 Ion Ratio Lower Upper
 180 100
 182 91.2 47.8 143.3
 145 33.7 16.9 50.7



#94
 Hexachlorobutadiene
 Concen: 19.200 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057640.D
 Acq: 1 Sep 2019 13:31

Tgt Ion:225 Resp: 26132
 Ion Ratio Lower Upper
 225 100
 223 65.0 32.3 96.8
 227 68.8 32.4 97.2





#95

Naphthalene

Concen: 20.064 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

Instrument :

MSVOA_N

ClientSampleId :

VN0902WBS01

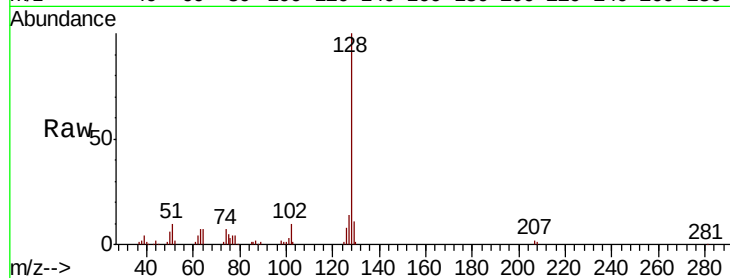
Tgt Ion:128 Resp: 77677

Ion Ratio Lower Upper

128 100

127 12.9 10.2 15.2

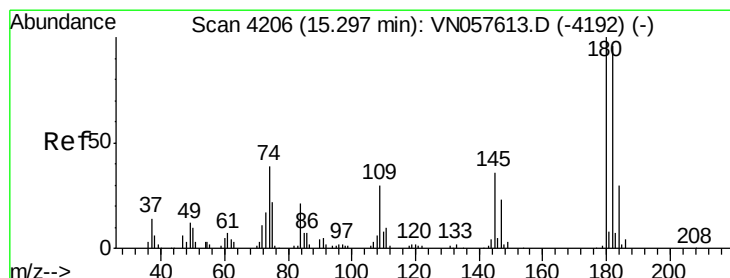
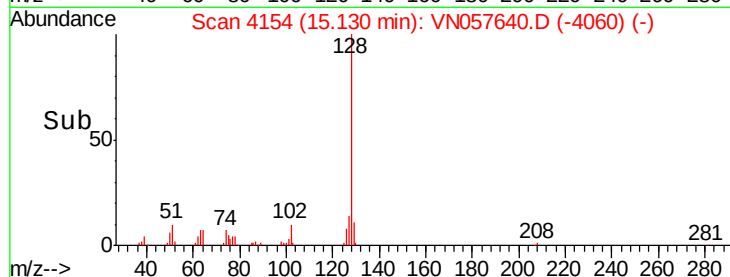
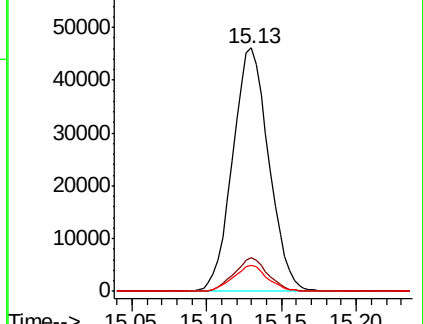
129 10.1 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 20.115 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057640.D

Acq: 1 Sep 2019 13:31

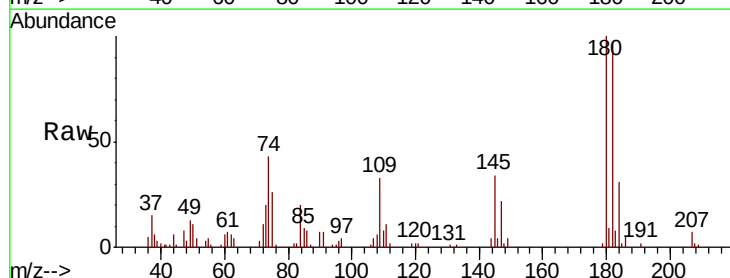
Tgt Ion:180 Resp: 25182

Ion Ratio Lower Upper

180 100

182 94.6 46.3 138.9

145 33.7 17.8 53.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

