

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081219\
 Data File : VN057218.D
 Acq On : 12 Aug 2019 16:26
 Operator : JC/SP
 Sample : VN0812WBSD02
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Quant Time: Aug 13 01:45:20 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N080719W.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 08 06:49:25 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.05	168	1024353	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.01	114	1511754	50.00	ug/l	0.00
63) Chlorobenzene-d5	10.91	117	1338545	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.88	152	475778	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.44	65	520054	49.37	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.74%	
35) Dibromofluoromethane	6.99	113	467794	49.31	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.62%	
50) Toluene-d8	9.56	98	1746385	48.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.24%	
62) 4-Bromofluorobenzene	11.92	95	543974	46.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.04%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.82	85	143217	17.395	ug/l	100
3) Chloromethane	2.00	50	178593	16.326	ug/l	99
4) Vinyl Chloride	2.11	62	177452	17.452	ug/l	98
5) Bromomethane	2.43	94	131464	19.029	ug/l	99
6) Chloroethane	2.55	64	123323	18.909	ug/l	100
7) Trichlorofluoromethane	2.83	101	287712	19.685	ug/l	99
8) Diethyl Ether	3.14	74	110779	19.618	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.44	101	173965	19.635	ug/l	100
10) Methyl Iodide	3.63	142	265085	19.799	ug/l	100
11) Tert butyl alcohol	4.24	59	145776	97.240	ug/l	99
12) 1,1-Dichloroethene	3.43	96	169808	19.482	ug/l	99
13) Acrolein	3.31	56	56630	59.712	ug/l	100
14) Allyl chloride	3.91	41	243091	19.191	ug/l	99
15) Acrylonitrile	4.45	53	421277	103.832	ug/l	99
16) Acetone	3.47	43	334262	105.064	ug/l	98
17) Carbon Disulfide	3.72	76	416393	17.957	ug/l	100
18) Methyl Acetate	3.89	43	207525	21.519	ug/l	98
19) Methyl tert-butyl Ether	4.49	73	544891	20.707	ug/l	99
20) Methylene Chloride	4.10	84	199154	18.967	ug/l	99
21) trans-1,2-Dichloroethene	4.51	96	182765	19.249	ug/l	100
22) Diisopropyl ether	5.32	45	549292	19.881	ug/l	96
23) Vinyl Acetate	5.26	43	2163012	102.233	ug/l	99
24) 1,1-Dichloroethane	5.25	63	332838	19.596	ug/l	96
25) 2-Butanone	6.20	43	514642	105.875	ug/l	97
26) 2,2-Dichloropropane	6.21	77	258047	20.883	ug/l	100
27) cis-1,2-Dichloroethene	6.21	96	218920	20.126	ug/l	99
28) Bromochloromethane	6.58	49	153705	19.674	ug/l	100
29) Tetrahydrofuran	6.60	42	352087	107.525	ug/l	98
30) Chloroform	6.76	83	349485	19.880	ug/l	99
31) Cyclohexane	7.07	56	281123	18.397	ug/l	99
32) 1,1,1-Trichloroethane	6.98	97	297024	20.141	ug/l	99
36) 1,1-Dichloropropene	7.20	75	249615	20.054	ug/l	99
37) Ethyl Acetate	6.28	43	216804	21.122	ug/l #	100
38) Carbon Tetrachloride	7.19	117	262367	20.226	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	8.53	83	288470	19.058	ug/l	96
40) Benzene	7.46	78	782636	19.862	ug/l	99
41) Methacrylonitrile	6.55	41	106292	20.394	ug/l	97
42) 1,2-Dichloroethane	7.54	62	256077	20.377	ug/l	99
43) Isopropyl Acetate	7.56	43	364255	20.803	ug/l	98
44) Trichloroethene	8.27	130	221398	20.055	ug/l	100
45) 1,2-Dichloropropane	8.56	63	206051	20.196	ug/l	97
46) Dibromomethane	8.65	93	134083	20.496	ug/l	97
47) Bromodichloromethane	8.85	83	265036	20.938	ug/l	99
48) Methyl methacrylate	8.64	41	164851	19.966	ug/l	97
49) 1,4-Dioxane	8.64	88	74390	442.368	ug/l	100
51) 4-Methyl-2-Pentanone	9.45	43	1064466	104.455	ug/l	100
52) Toluene	9.63	92	492177	20.123	ug/l	98
53) t-1,3-Dichloropropene	9.86	75	272913	20.638	ug/l	98
54) cis-1,3-Dichloropropene	9.30	75	316275	20.844	ug/l	98
55) 1,1,2-Trichloroethane	10.04	97	196023	20.380	ug/l	98
56) Ethyl methacrylate	9.90	69	278560	20.685	ug/l	98
57) 1,3-Dichloropropane	10.19	76	322811	20.352	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.15	63	332242	71.741	ug/l	96
59) 2-Hexanone	10.24	43	730060	105.852	ug/l	100
60) Dibromochloromethane	10.39	129	214980	21.282	ug/l	99
61) 1,2-Dibromoethane	10.50	107	205292	20.684	ug/l	99
64) Tetrachloroethene	10.11	164	247749	22.256	ug/l	97
65) Chlorobenzene	10.93	112	528704	19.631	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.01	131	210559	20.912	ug/l	98
67) Ethyl Benzene	11.01	91	912368	19.683	ug/l	98
68) m/p-Xylenes	11.13	106	681700	39.919	ug/l	99
69) o-Xylene	11.46	106	335778	19.757	ug/l	99
70) Styrene	11.48	104	520581	19.610	ug/l	99
71) Bromoform	11.64	173	158476	21.486	ug/l #	97
73) Isopropylbenzene	11.77	105	894128	21.573	ug/l	99
74) N-amyl acetate	11.59	43	249289	20.676	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.02	83	260480	22.812	ug/l	99
76) 1,2,3-Trichloropropane	12.08	75	308046	32.112	ug/l #	100
77) Bromobenzene	12.05	156	232475	20.329	ug/l	99
78) n-propylbenzene	12.11	91	876038	19.193	ug/l	100
79) 2-Chlorotoluene	12.20	91	560046	20.890	ug/l	99
80) 1,3,5-Trimethylbenzene	12.26	105	737214	20.070	ug/l	98
81) trans-1,4-Dichloro-2-buten	11.82	75	70395	21.755	ug/l	99
82) 4-Chlorotoluene	12.30	91	510880	19.331	ug/l	100
83) tert-Butylbenzene	12.52	119	658972	21.570	ug/l	100
84) 1,2,4-Trimethylbenzene	12.57	105	677576	19.085	ug/l	100
85) sec-Butylbenzene	12.70	105	776950	18.743	ug/l	98
86) p-Isopropyltoluene	12.82	119	677860	18.636	ug/l	99
87) 1,3-Dichlorobenzene	12.81	146	325559	19.996	ug/l	99
88) 1,4-Dichlorobenzene	12.90	146	301931	19.573	ug/l	99
89) n-Butylbenzene	13.15	91	492131	19.584	ug/l	99
90) Hexachloroethane	13.41	117	134128	22.673	ug/l	99
91) 1,2-Dichlorobenzene	13.19	146	324106	19.935	ug/l	100
92) 1,2-Dibromo-3-Chloropropan	13.81	75	33584	20.080	ug/l	94

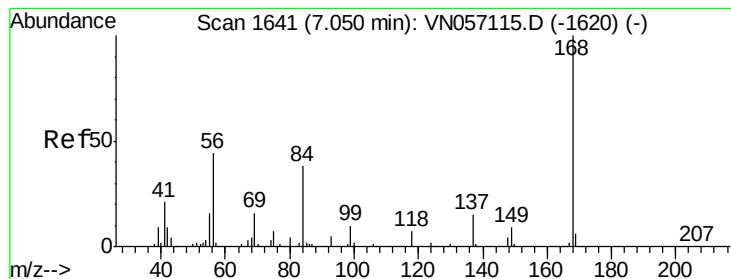
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Quant Title : SW846 8260
QLast Update : Thu Aug 08 06:49:25 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.45	180	84246	16.699	ug/l	99
94) Hexachlorobutadiene	14.55	225	140668	22.738	ug/l	98
95) Naphthalene	14.67	128	165350	15.642	ug/l	98
96) 1,2,3-Trichlorobenzene	14.84	180	85061	16.284	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.05 min Scan# 1642

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

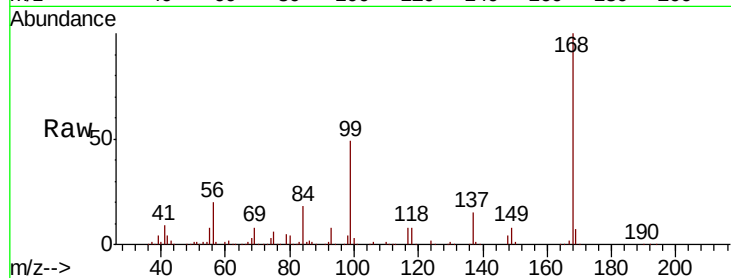
VN0812WBSD02

Tgt Ion:168 Resp: 1024353

Ion Ratio Lower Upper

168 100

99 48.7 38.6 57.8



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.05

400000

300000

200000

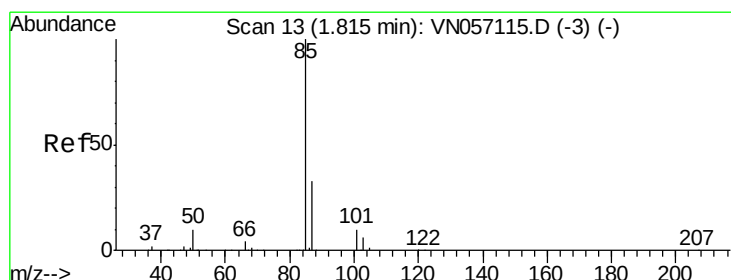
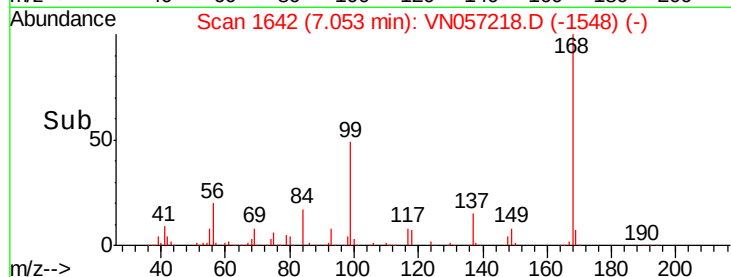
100000

0

7.00

7.10

Time-->



#2

Dichlorodifluoromethane

Concen: 17.395 ug/l

RT: 1.82 min Scan# 14

Delta R.T. 0.00 min

Lab File: VN057218.D

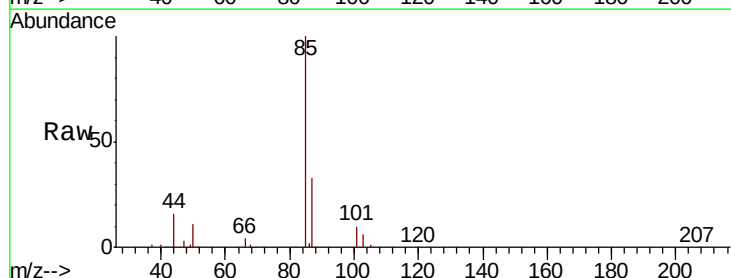
Acq: 12 Aug 2019 16:26

Tgt Ion: 85 Resp: 143217

Ion Ratio Lower Upper

85 100

87 33.1 16.7 50.0



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

120000

100000

80000

60000

40000

20000

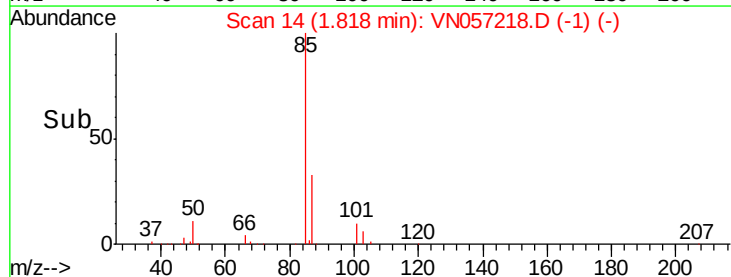
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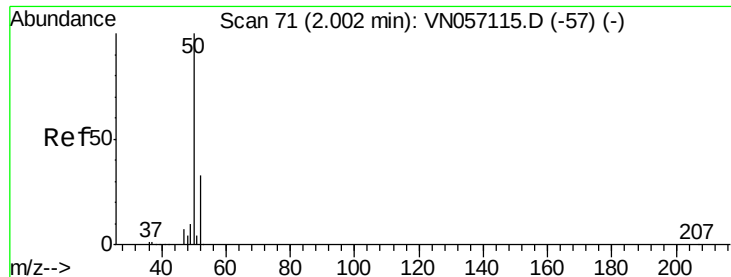
1.80

1.85

1.90

Time-->





#3

Chloromethane

Concen: 16.326 ug/l

RT: 2.00 min Scan# 70

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

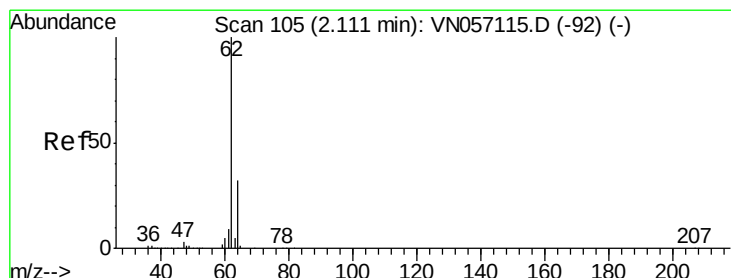
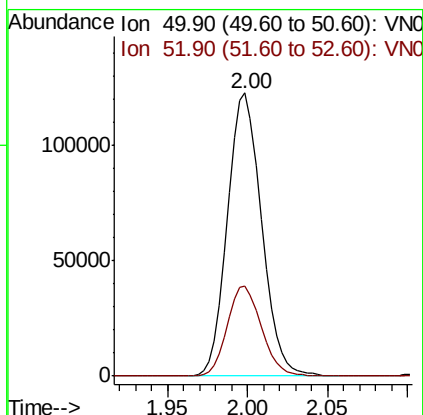
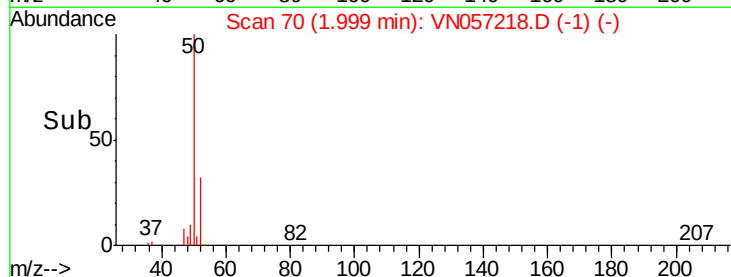
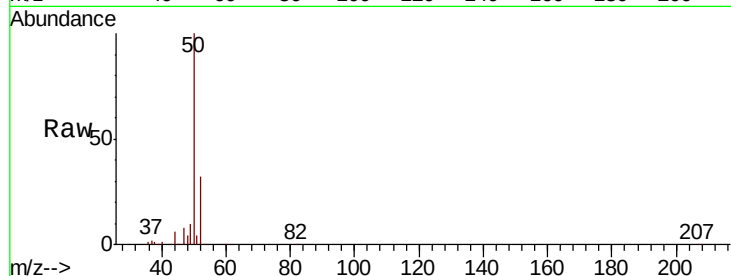
VN0812WBSD02

Tgt Ion: 50 Resp: 178593

Ion Ratio Lower Upper

50 100

52 31.8 26.1 39.1



#4

Vinyl Chloride

Concen: 17.452 ug/l

RT: 2.11 min Scan# 105

Delta R.T. -0.00 min

Lab File: VN057218.D

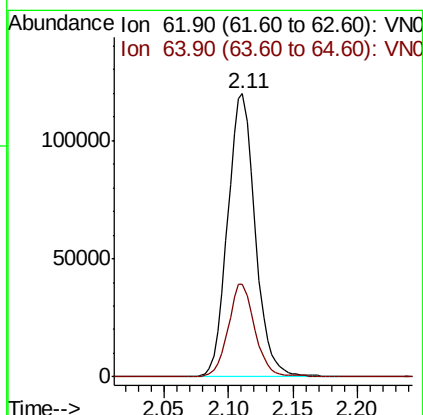
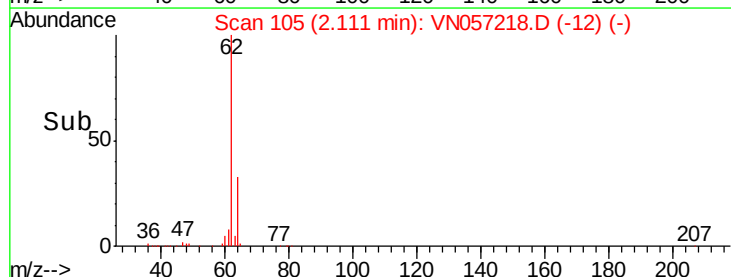
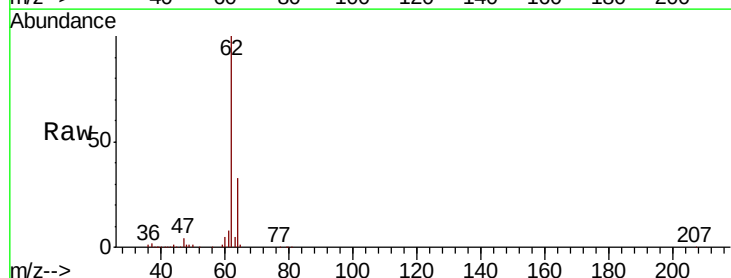
Acq: 12 Aug 2019 16:26

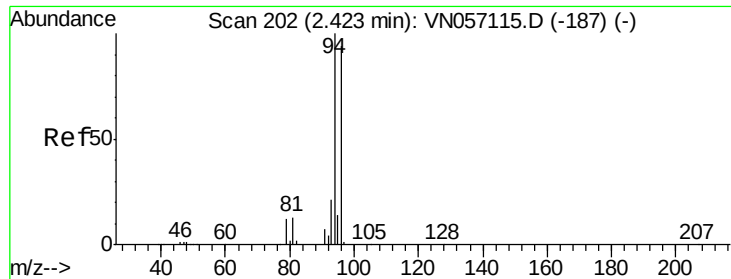
Tgt Ion: 62 Resp: 177452

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0





#5

Bromomethane

Concen: 19.029 ug/l

RT: 2.43 min Scan# 204

Delta R.T. 0.01 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

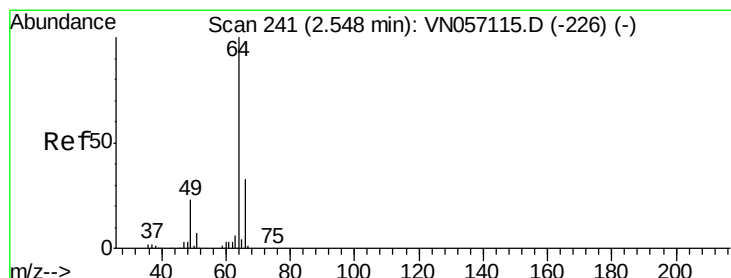
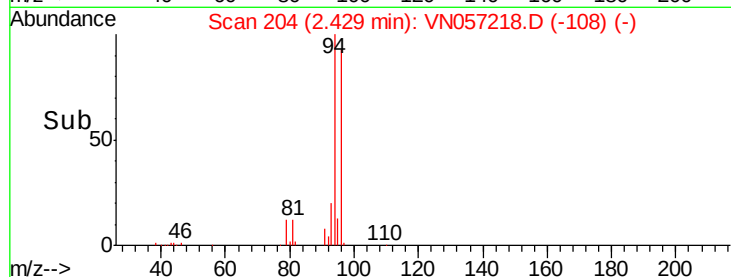
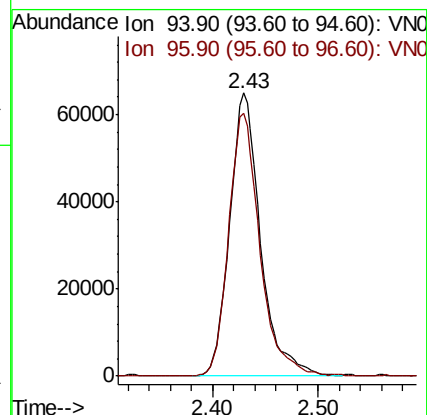
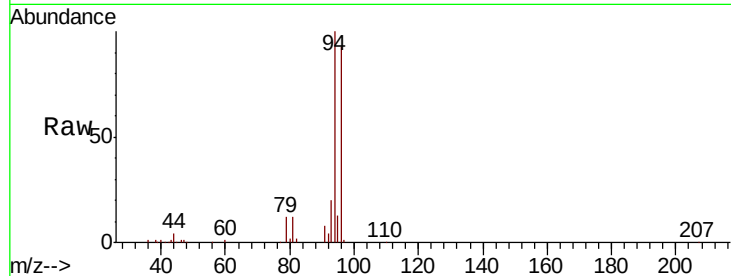
VN0812WBSD02

Tgt Ion: 94 Resp: 131464

Ion Ratio Lower Upper

94 100

96 92.9 75.0 112.4



#6

Chloroethane

Concen: 18.909 ug/l

RT: 2.55 min Scan# 242

Delta R.T. 0.00 min

Lab File: VN057218.D

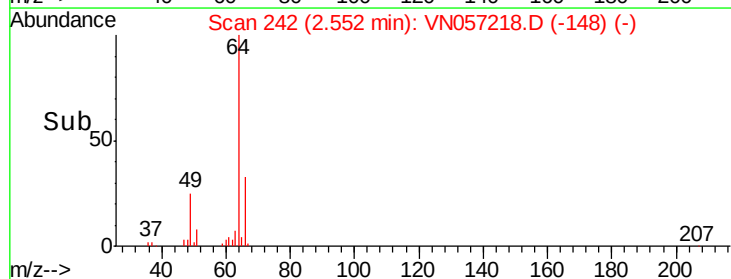
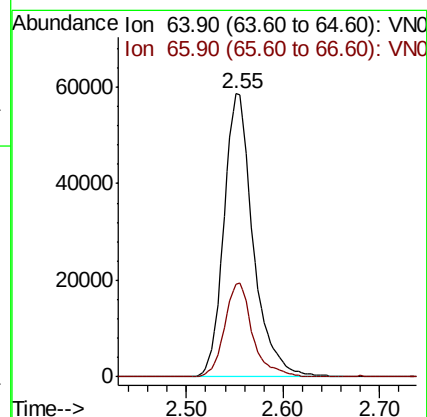
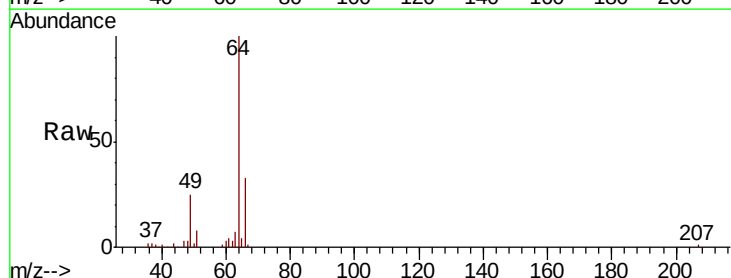
Acq: 12 Aug 2019 16:26

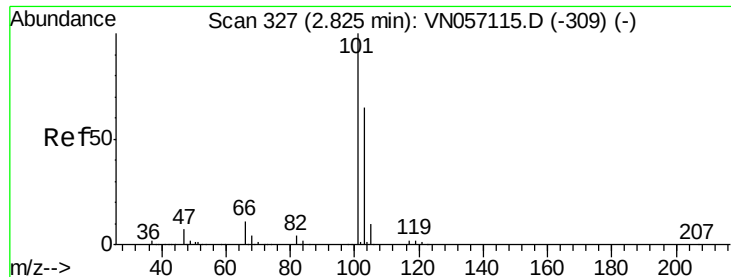
Tgt Ion: 64 Resp: 123323

Ion Ratio Lower Upper

64 100

66 32.7 26.2 39.4



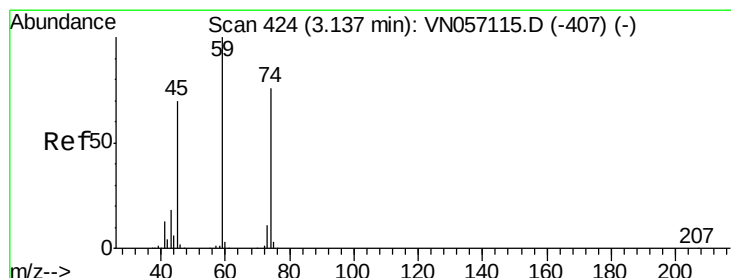
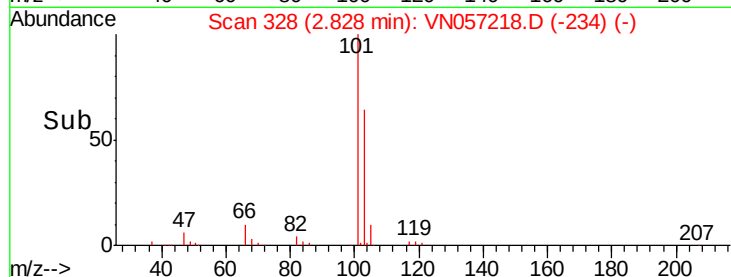
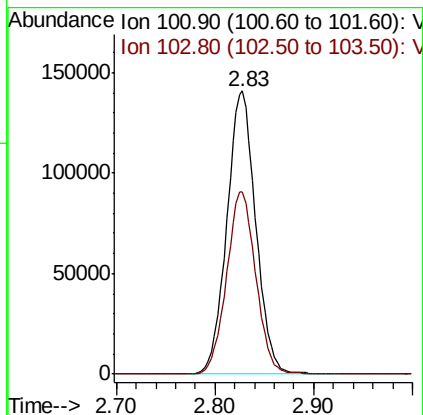
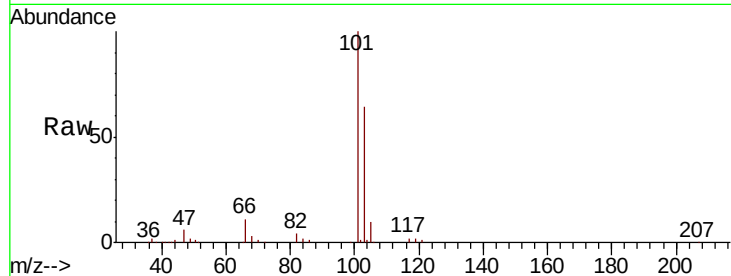


#7

Trichlorofluoromethane
 Concen: 19.685 ug/l
 RT: 2.83 min Scan# 328
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
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 VN0812WBSD02

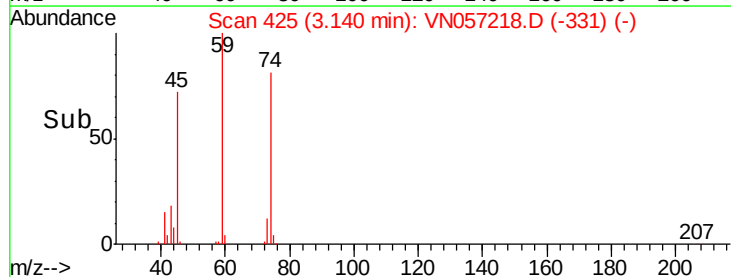
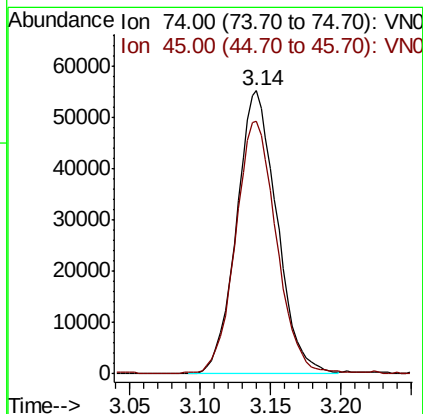
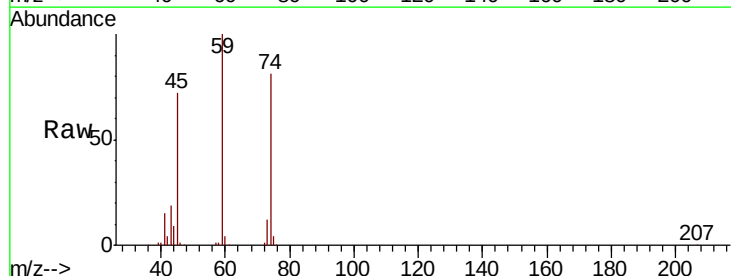
Tgt Ion: 101 Resp: 287712
 Ion Ratio Lower Upper
 101 100
 103 64.2 52.2 78.4

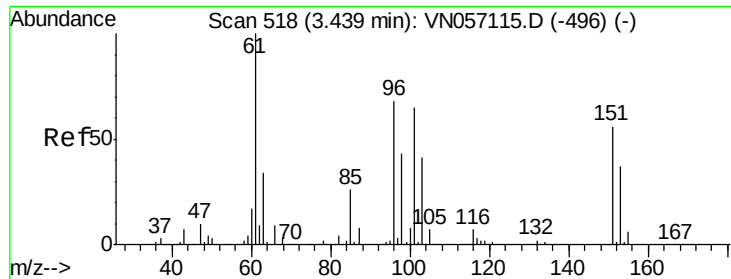


#8

Diethyl Ether
 Concen: 19.618 ug/l
 RT: 3.14 min Scan# 425
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 74 Resp: 110779
 Ion Ratio Lower Upper
 74 100
 45 91.0 46.3 138.8





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.635 ug/l

RT: 3.44 min Scan# 518

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

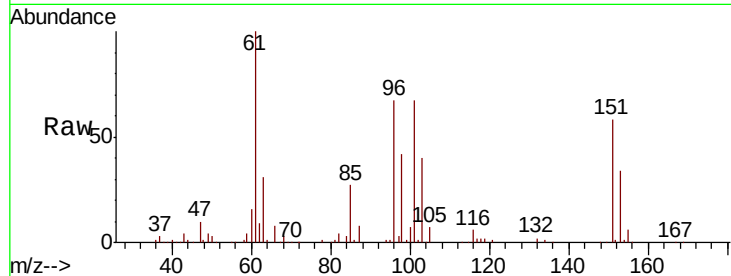
Tgt Ion:101 Resp: 173965

Ion Ratio Lower Upper

101 100

85 40.3 32.3 48.5

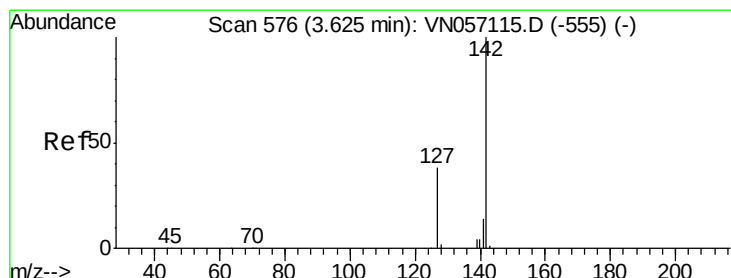
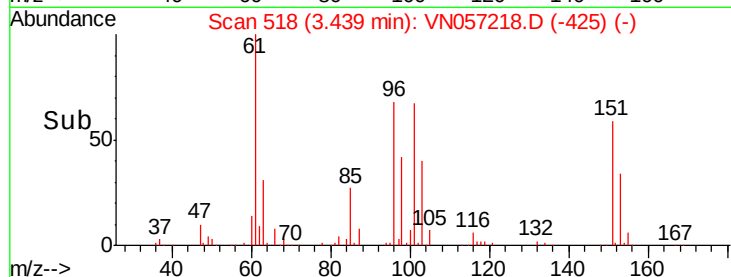
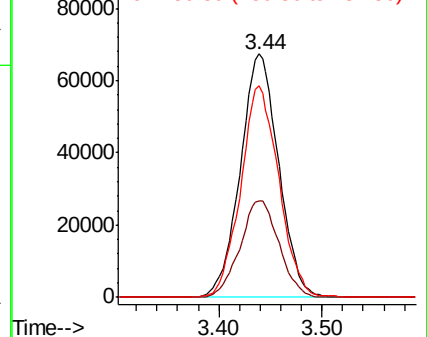
151 86.4 69.4 104.0



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: 19.799 ug/l

RT: 3.63 min Scan# 576

Delta R.T. -0.00 min

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Acq: 12 Aug 2019 16:26

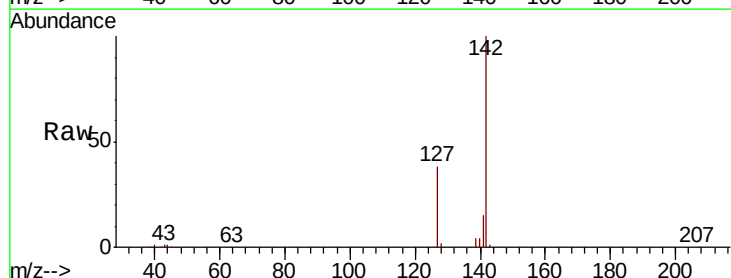
Tgt Ion:142 Resp: 265085

Ion Ratio Lower Upper

142 100

127 38.9 31.0 46.6

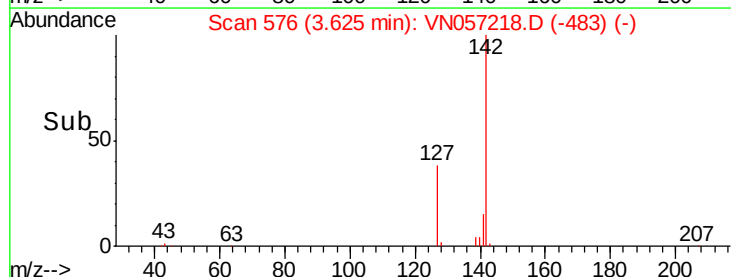
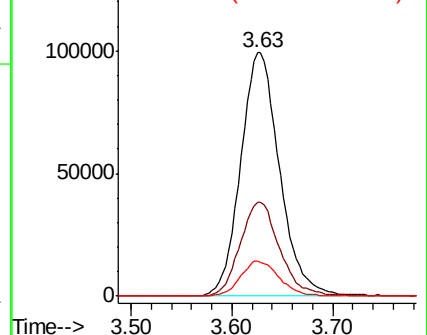
141 14.4 11.2 16.8

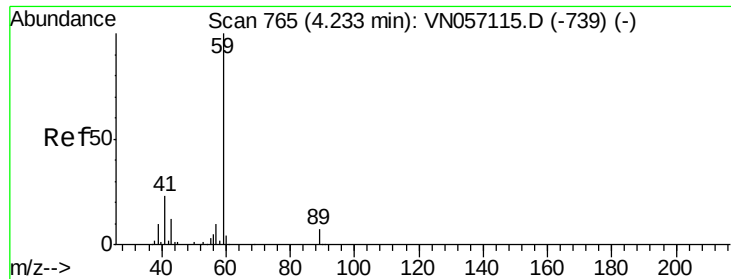


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

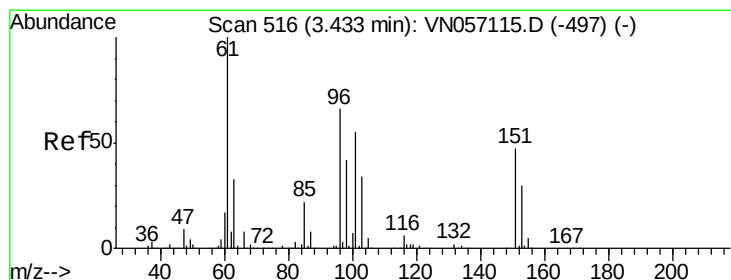
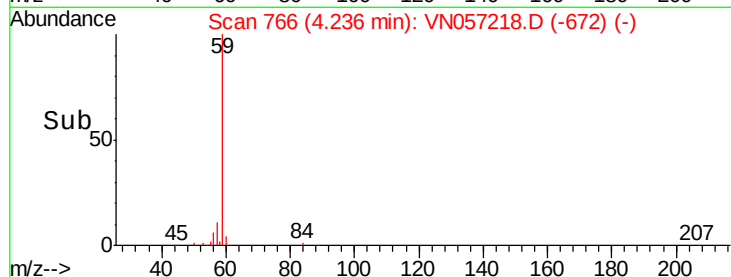
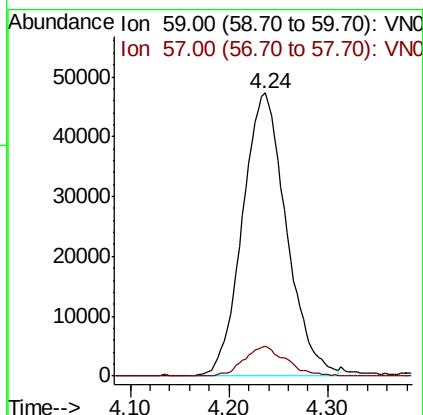
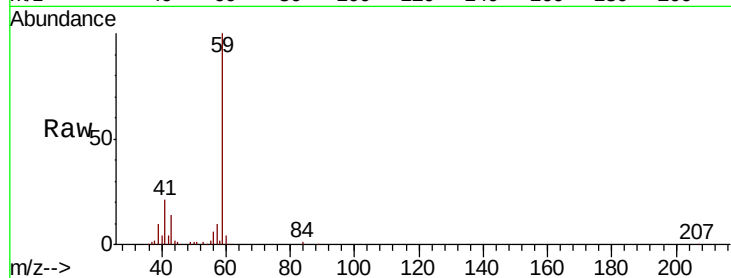




#11
Tert butyl alcohol
Concen: 97.240 ug/l
RT: 4.24 min Scan# 766
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

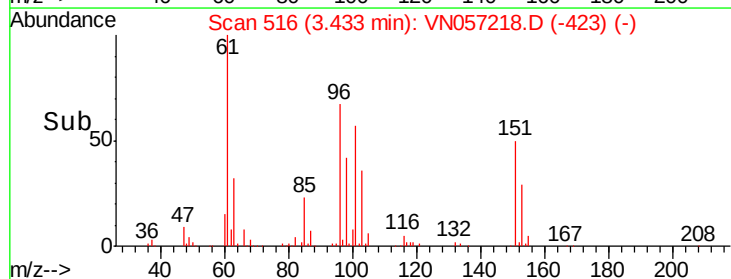
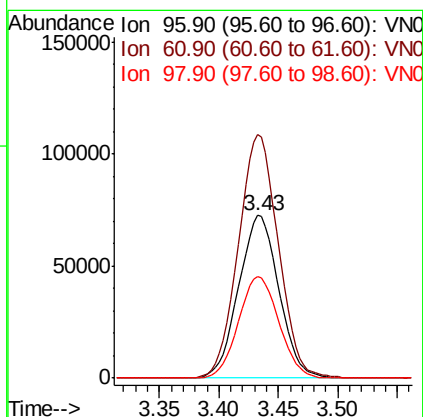
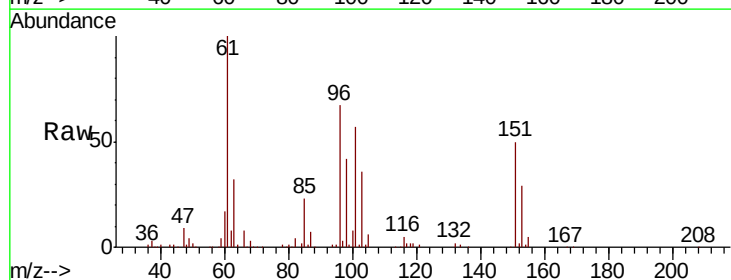
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

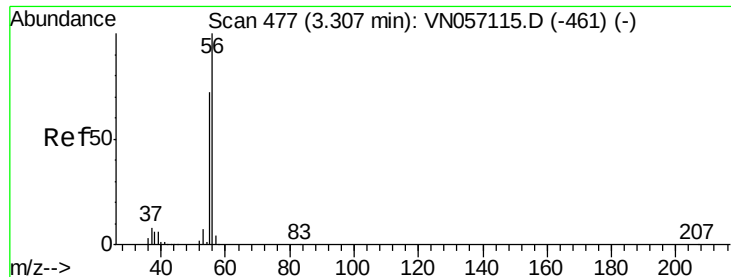
Tgt Ion: 59 Resp: 145776
Ion Ratio Lower Upper
59 100
57 10.2 7.9 11.9



#12
1,1-Dichloroethene
Concen: 19.482 ug/l
RT: 3.43 min Scan# 516
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 96 Resp: 169808
Ion Ratio Lower Upper
96 100
61 149.7 121.0 181.6
98 62.4 50.8 76.2





#13

Acrolein

Concen: 59.712 ug/l

RT: 3.31 min Scan# 477

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

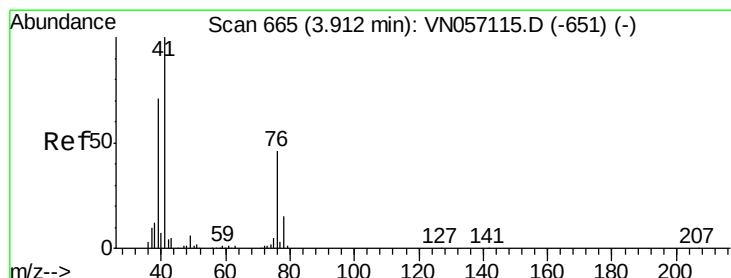
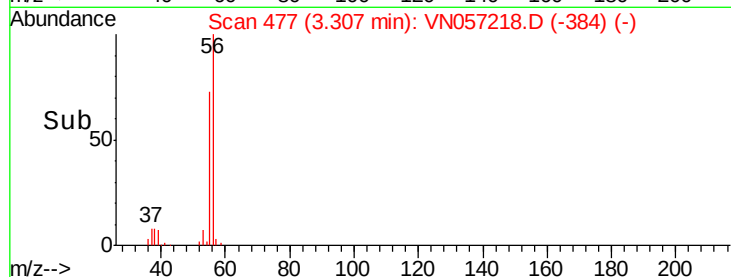
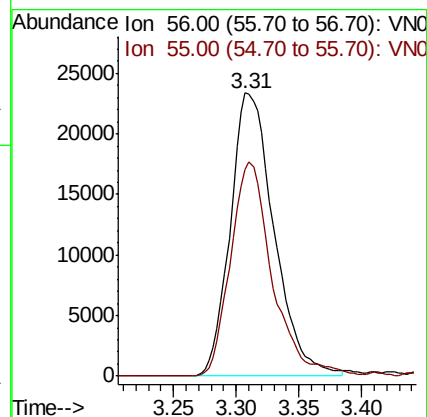
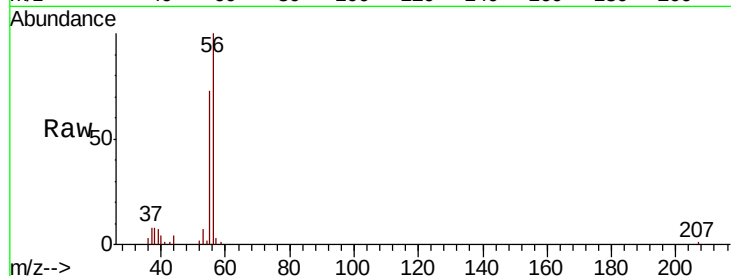
VN0812WBSD02

Tgt Ion: 56 Resp: 56630

Ion Ratio Lower Upper

56 100

55 72.2 57.7 86.5



#14

Allyl chloride

Concen: 19.191 ug/l

RT: 3.91 min Scan# 665

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

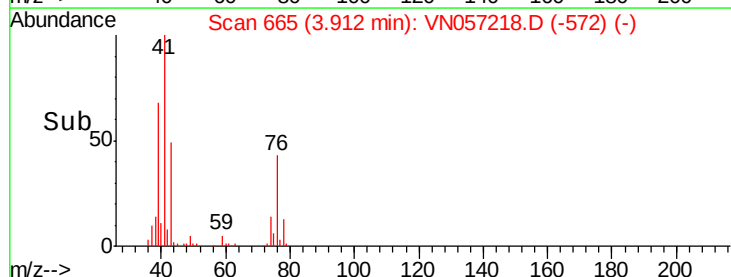
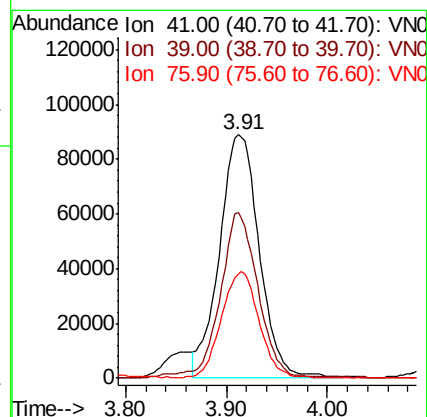
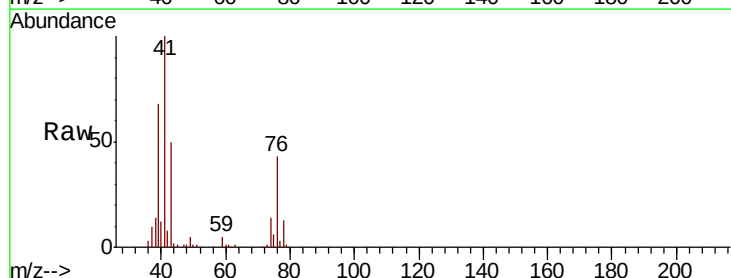
Tgt Ion: 41 Resp: 243091

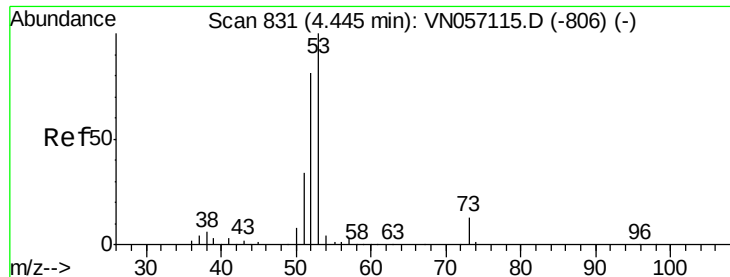
Ion Ratio Lower Upper

41 100

39 65.2 51.1 76.7

76 40.7 32.8 49.2





#15

Acrylonitrile

Concen: 103.832 ug/l

RT: 4.45 min Scan# 832

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

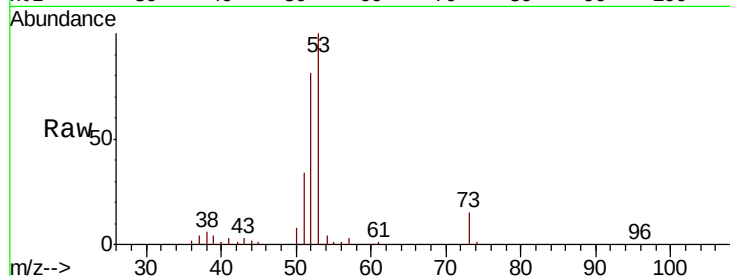
Tgt Ion: 53 Resp: 421277

Ion Ratio Lower Upper

53 100

52 80.0 64.9 97.3

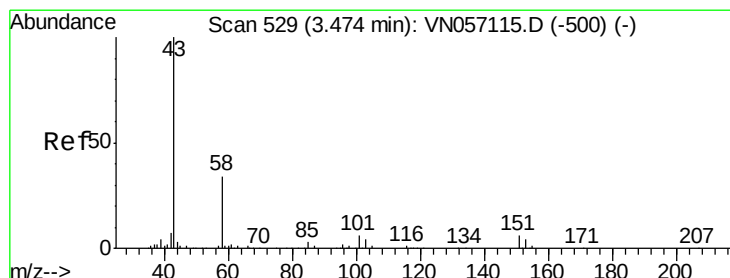
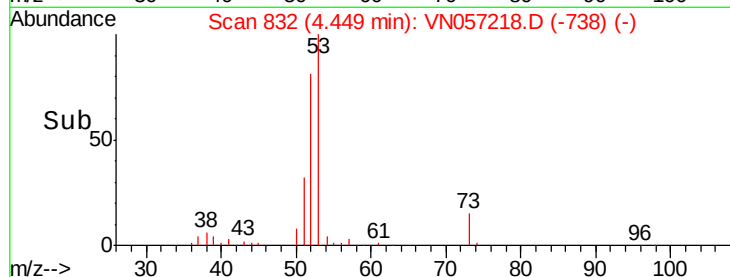
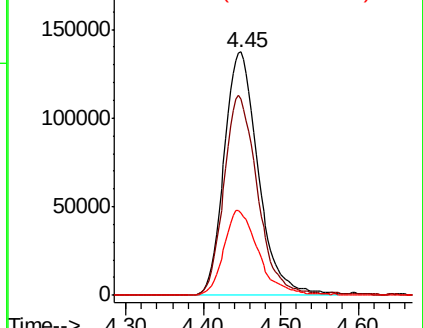
51 35.6 27.8 41.6



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: 105.064 ug/l

RT: 3.47 min Scan# 529

Delta R.T. -0.00 min

Lab File: VN057218.D

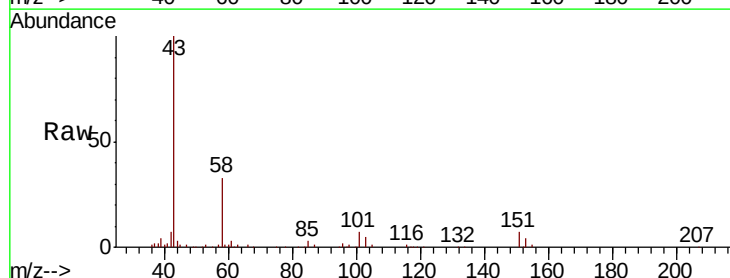
Acq: 12 Aug 2019 16:26

Tgt Ion: 43 Resp: 334262

Ion Ratio Lower Upper

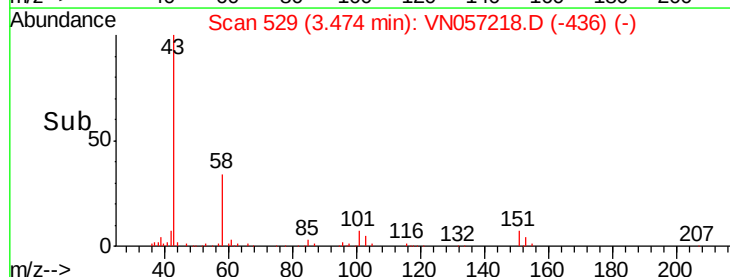
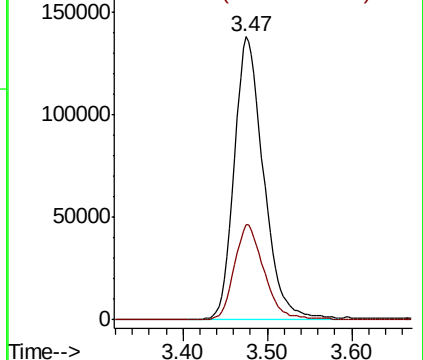
43 100

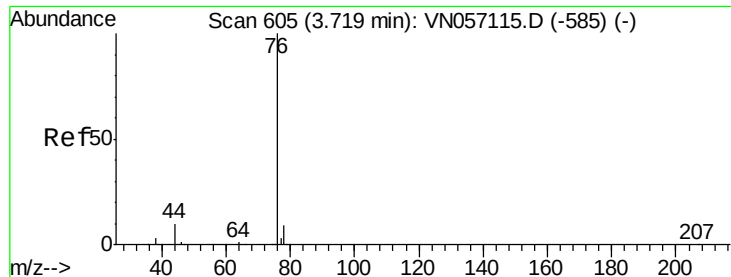
58 33.4 27.4 41.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

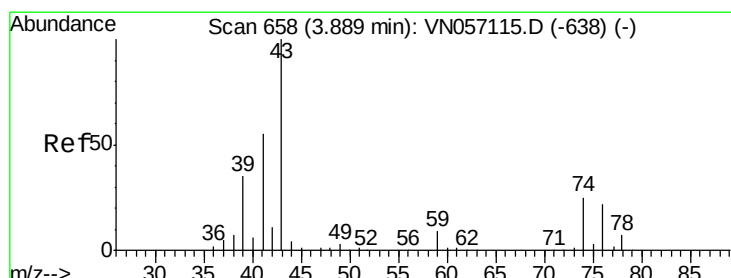
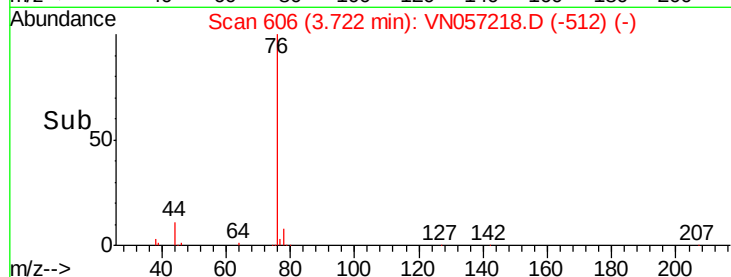
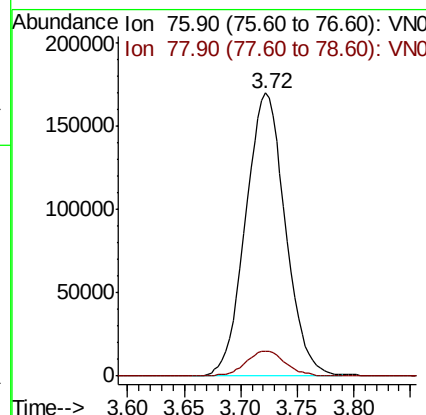
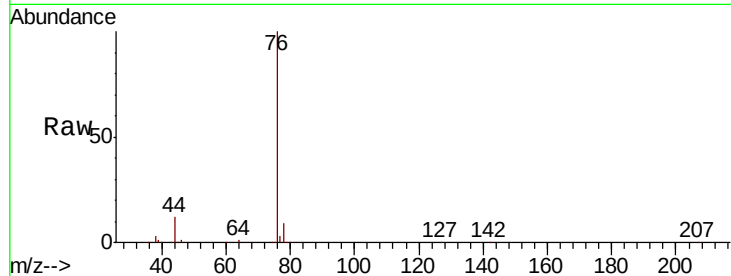




#17
Carbon Disulfide
Concen: 17.957 ug/l
RT: 3.72 min Scan# 606
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

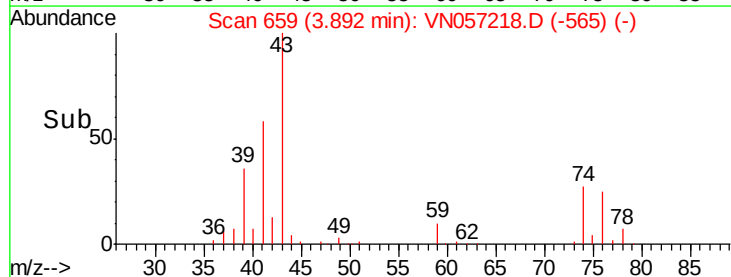
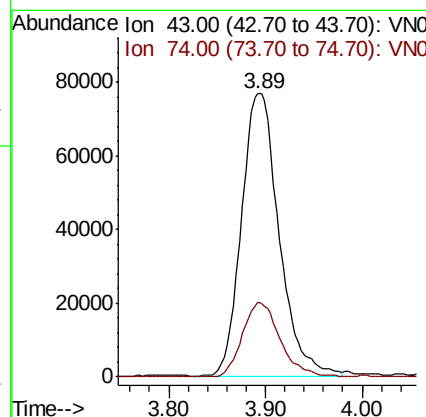
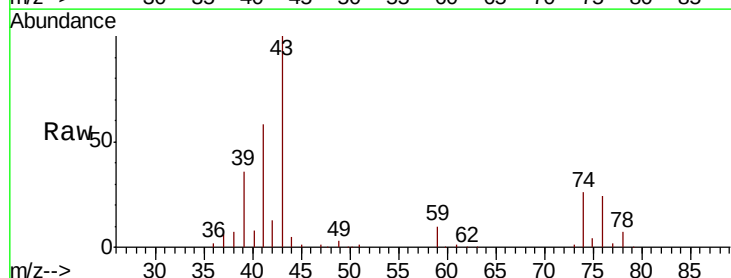
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

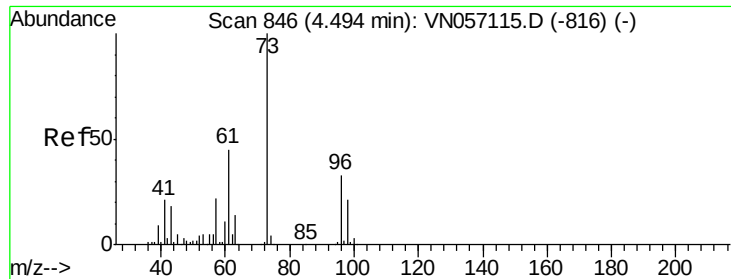
Tgt Ion: 76 Resp: 416393
Ion Ratio Lower Upper
76 100
78 8.7 7.0 10.6



#18
Methyl Acetate
Concen: 21.519 ug/l
RT: 3.89 min Scan# 659
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 43 Resp: 207525
Ion Ratio Lower Upper
43 100
74 26.1 20.2 30.4

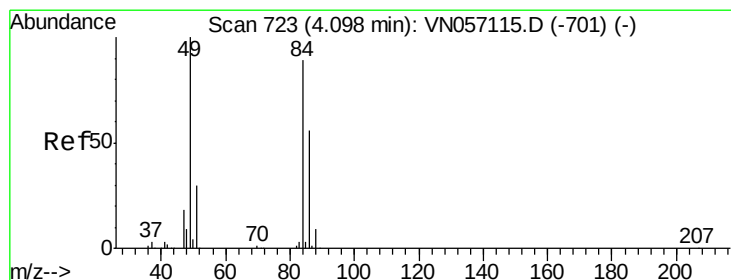
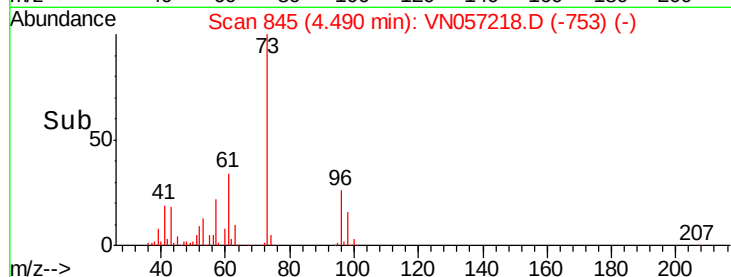
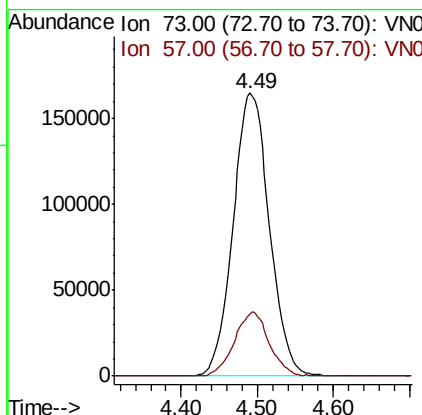
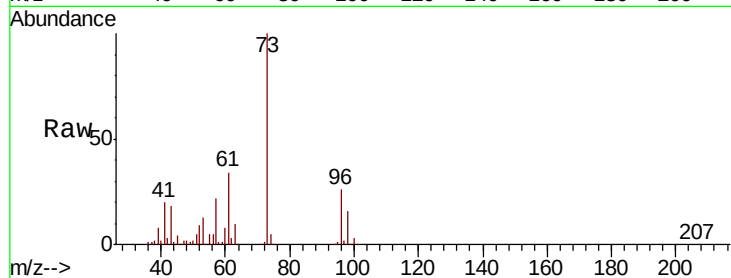




#19
Methyl tert-butyl Ether
Concen: 20.707 ug/l
RT: 4.49 min Scan# 845
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

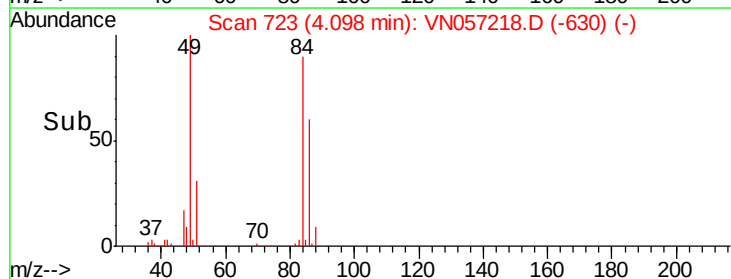
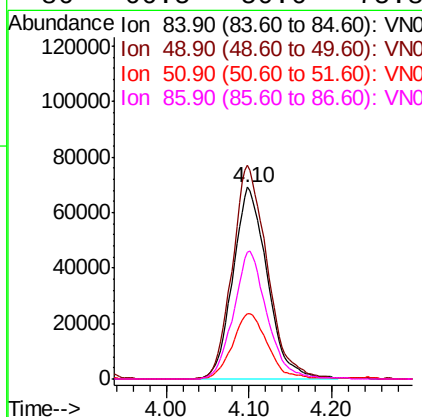
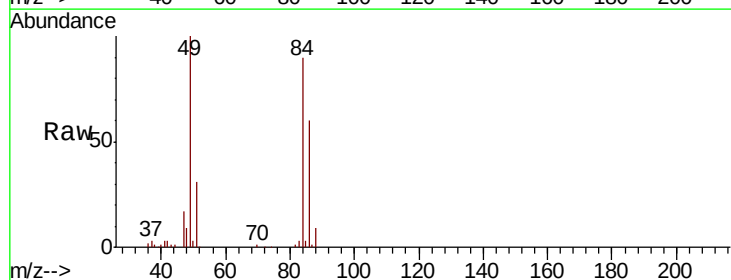
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

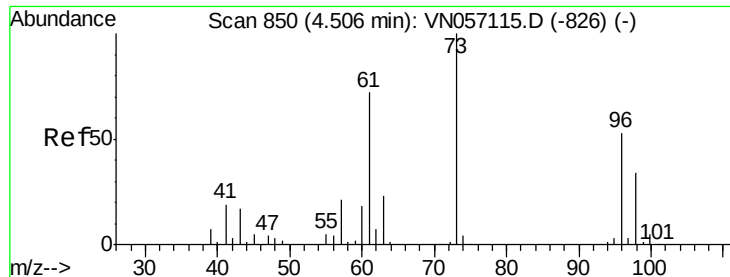
Tgt Ion: 73 Resp: 544891
Ion Ratio Lower Upper
73 100
57 22.0 18.0 27.0



#20
Methylene Chloride
Concen: 18.967 ug/l
RT: 4.10 min Scan# 723
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 84 Resp: 199154
Ion Ratio Lower Upper
84 100
49 111.5 89.5 134.3
51 34.1 27.2 40.8
86 66.5 50.6 75.8





#21

trans-1,2-Dichloroethene

Concen: 19.249 ug/l

RT: 4.51 min Scan# 851

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

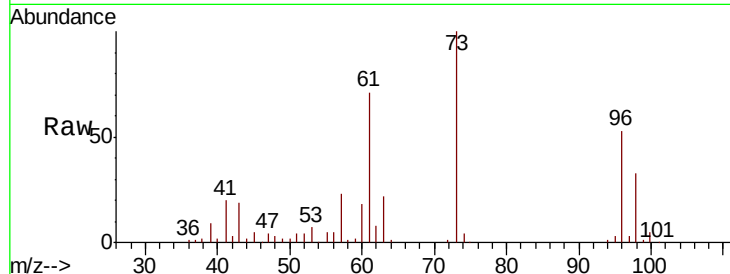
Tgt Ion: 96 Resp: 182765

Ion Ratio Lower Upper

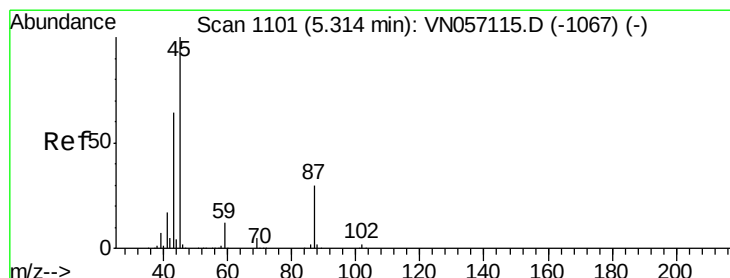
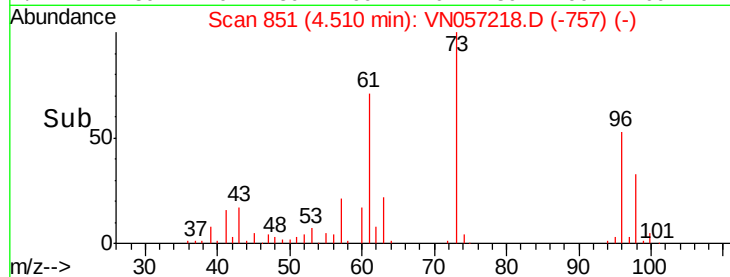
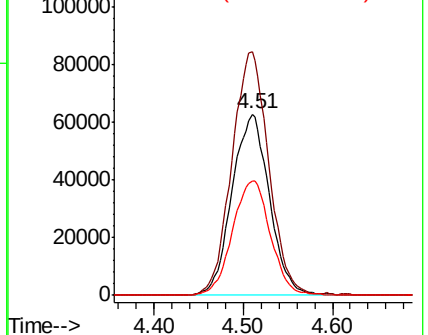
96 100

61 134.6 108.1 162.1

98 63.0 50.5 75.7



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: 19.881 ug/l

RT: 5.32 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion: 45 Resp: 549292

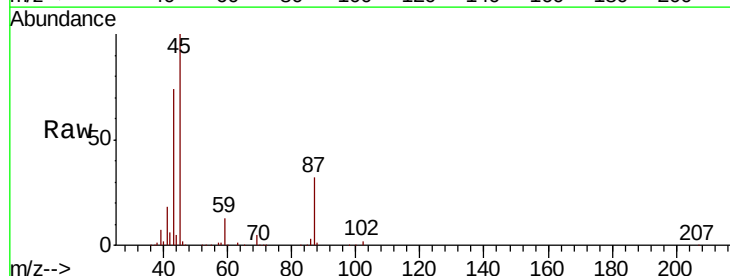
Ion Ratio Lower Upper

45 100

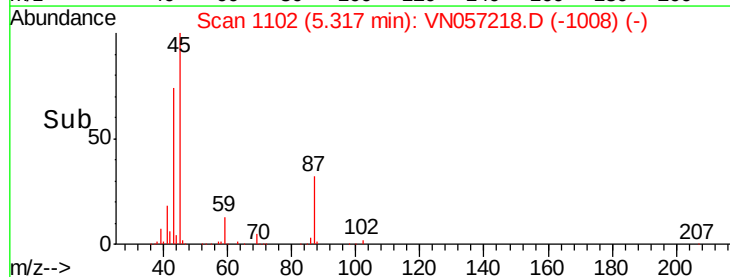
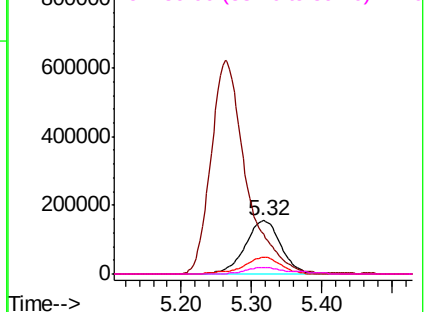
43 71.6 54.1 81.1

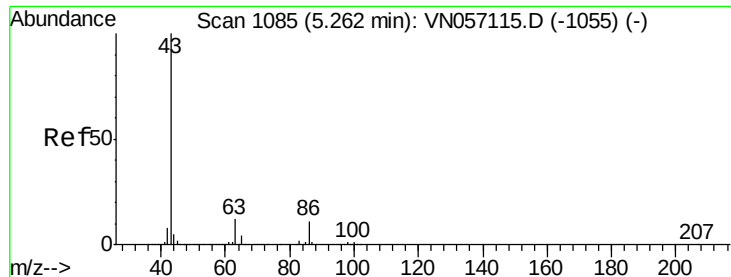
87 31.8 24.0 36.0

59 12.9 10.0 15.0



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: 102.233 ug/l

RT: 5.26 min Scan# 1085

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

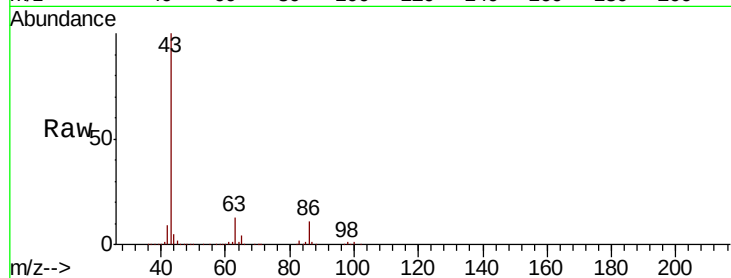
VN0812WBSD02

Tgt Ion: 43 Resp: 2163012

Ion Ratio Lower Upper

43 100

86 11.2 9.2 13.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.26

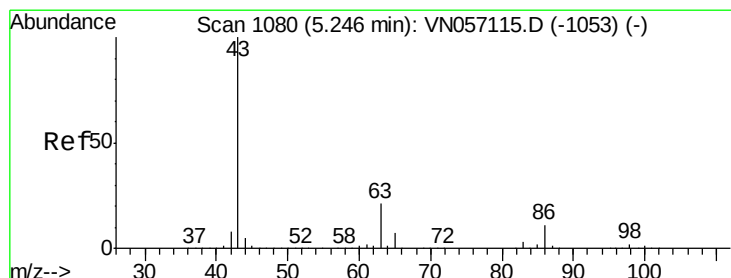
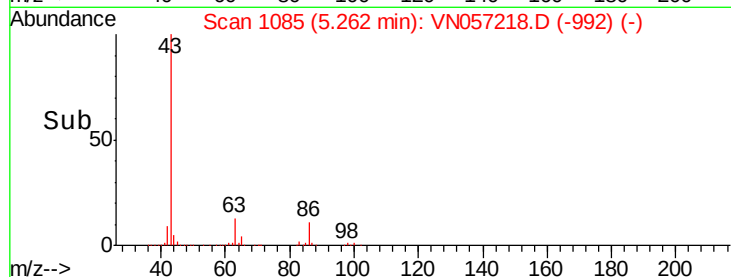
600000

400000

200000

0

Time-->



#24

1,1-Dichloroethane

Concen: 19.596 ug/l

RT: 5.25 min Scan# 1080

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

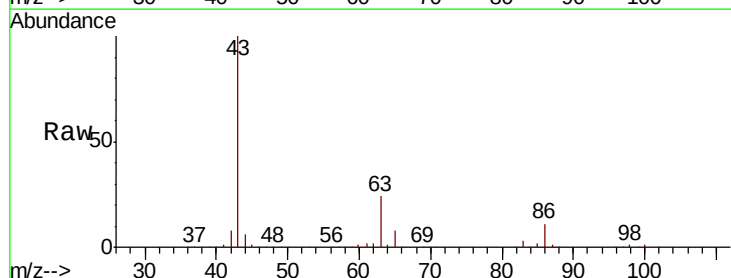
Tgt Ion: 63 Resp: 332838

Ion Ratio Lower Upper

63 100

98 5.7 3.8 11.2

100 5.0 2.1 6.3



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

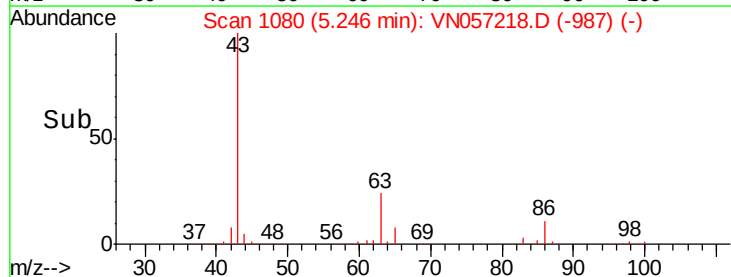
5.25

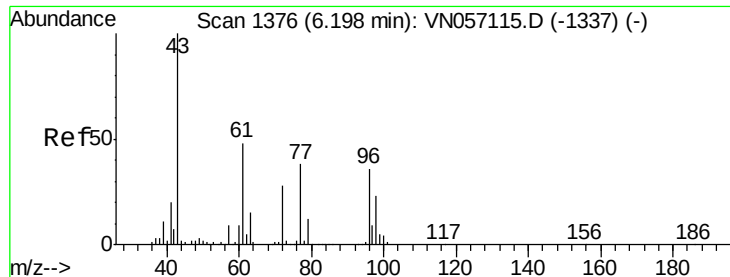
100000

50000

0

Time-->

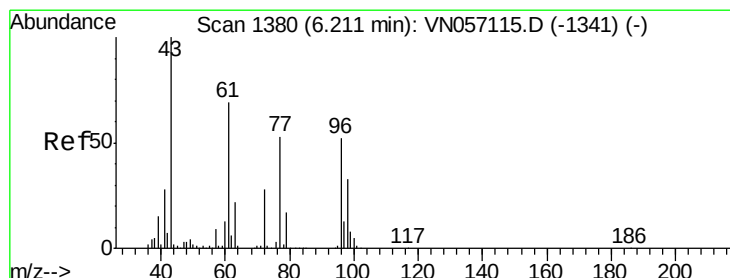
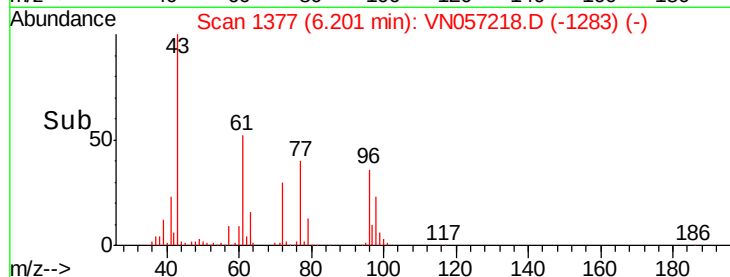
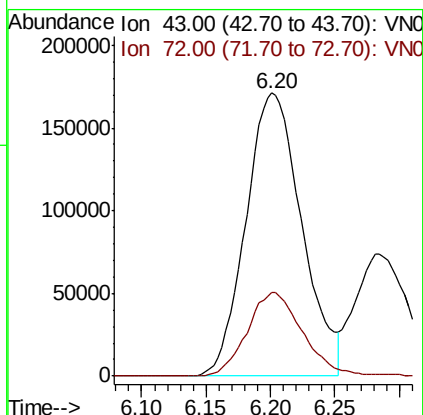
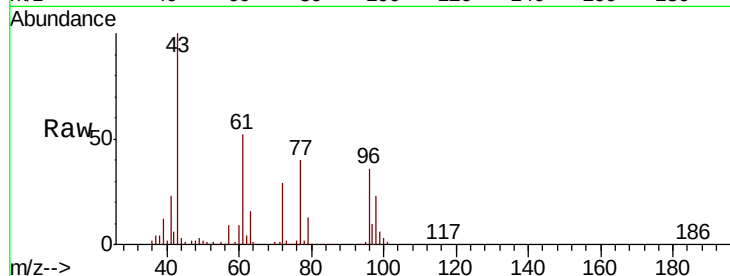




#25
 2-Butanone
 Concen: 105.875 ug/l
 RT: 6.20 min Scan# 1377
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

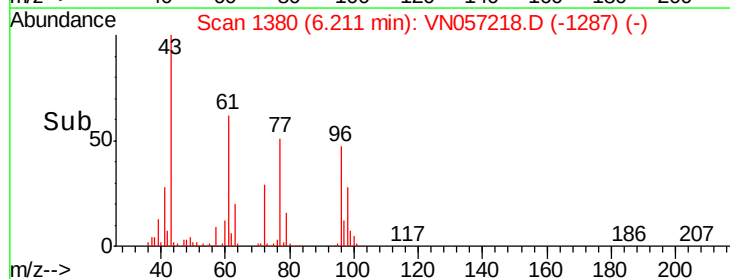
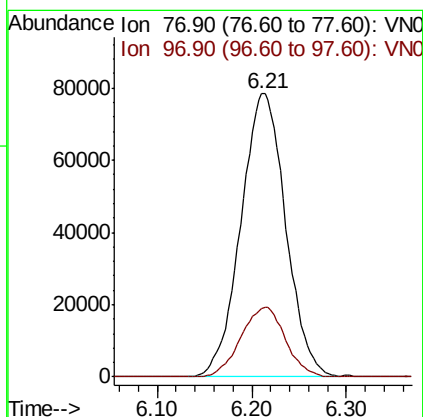
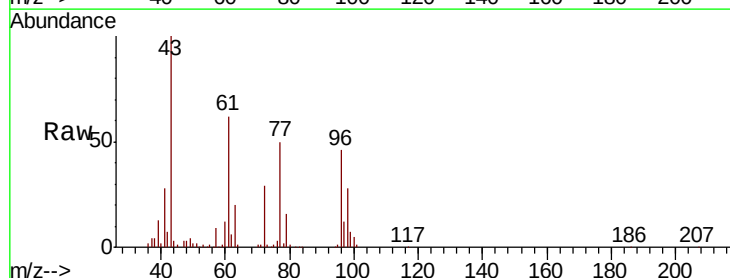
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

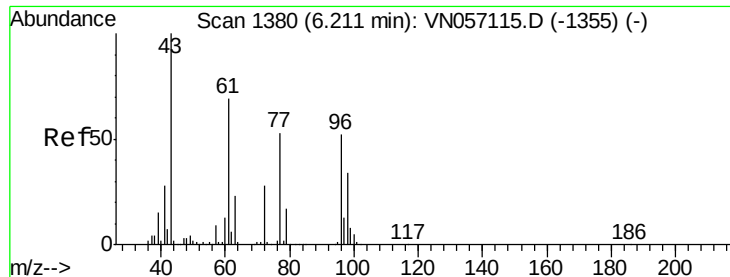
Tgt Ion: 43 Resp: 514642
 Ion Ratio Lower Upper
 43 100
 72 29.5 22.2 33.4



#26
 2,2-Dichloropropane
 Concen: 20.883 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 77 Resp: 258047
 Ion Ratio Lower Upper
 77 100
 97 24.4 12.3 36.8

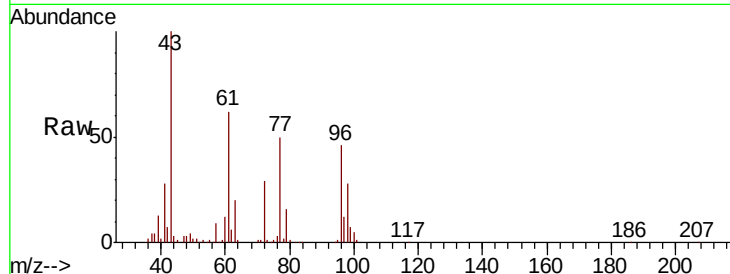




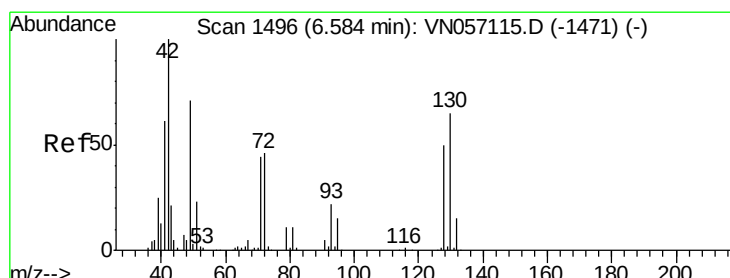
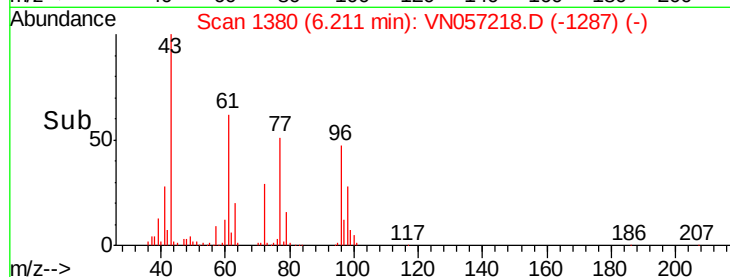
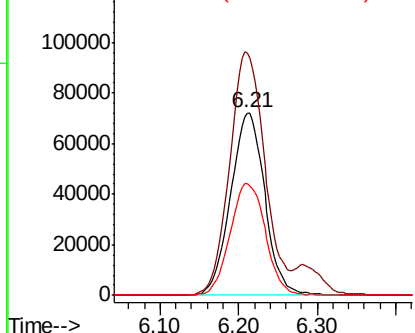
#27
 cis-1,2-Dichloroethene
 Concen: 20.126 ug/l
 RT: 6.21 min Scan# 1380
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tgt Ion: 96 Resp: 218920
 Ion Ratio Lower Upper
 96 100
 61 136.8 0.0 273.4
 98 63.4 0.0 130.4

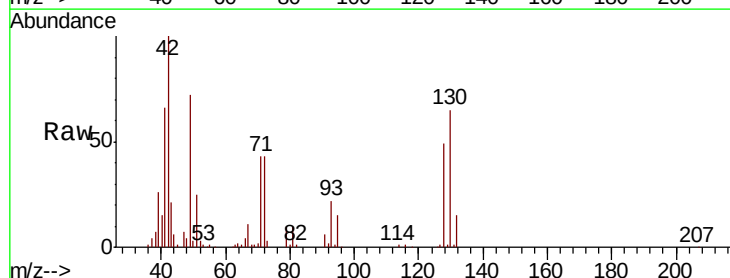


Abundance Ion 95.90 (95.60 to 96.60): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 97.90 (97.60 to 98.60): VN0

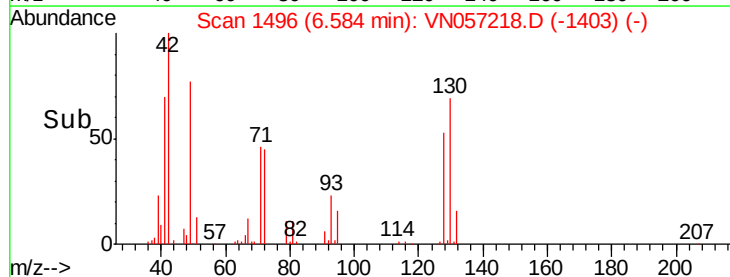
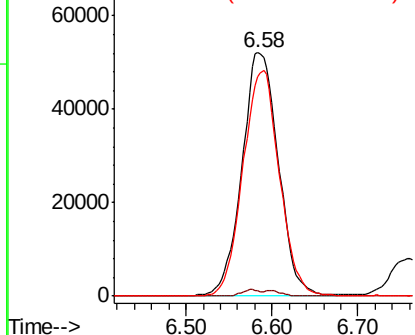


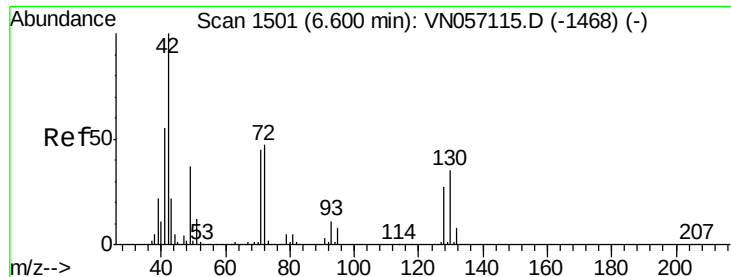
#28
 Bromochloromethane
 Concen: 19.674 ug/l
 RT: 6.58 min Scan# 1496
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 49 Resp: 153705
 Ion Ratio Lower Upper
 49 100
 129 1.0 0.0 4.8
 130 92.6 73.8 110.8



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: 107.525 ug/l

RT: 6.60 min Scan# 1502

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

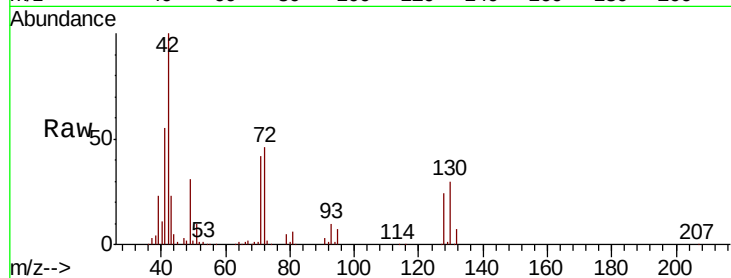
Tgt Ion: 42 Resp: 352087

Ion Ratio Lower Upper

42 100

72 45.2 37.1 55.7

71 42.2 34.8 52.2

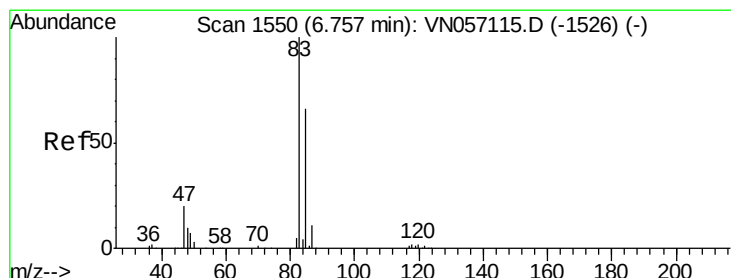
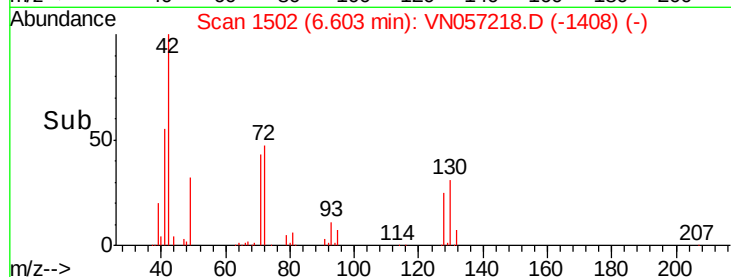
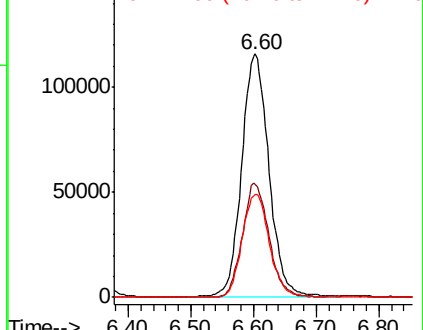


Abundance

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: 19.880 ug/l

RT: 6.76 min Scan# 1550

Delta R.T. -0.00 min

Lab File: VN057218.D

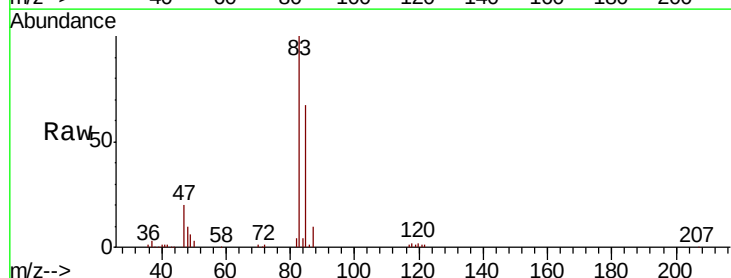
Acq: 12 Aug 2019 16:26

Tgt Ion: 83 Resp: 349485

Ion Ratio Lower Upper

83 100

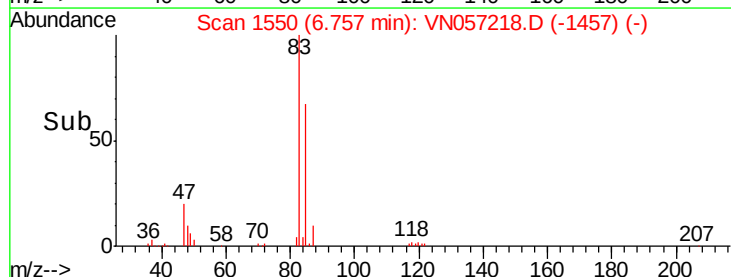
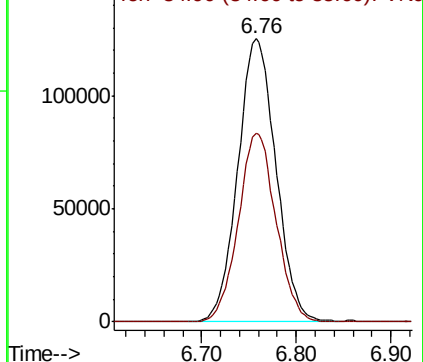
85 66.7 52.6 78.8

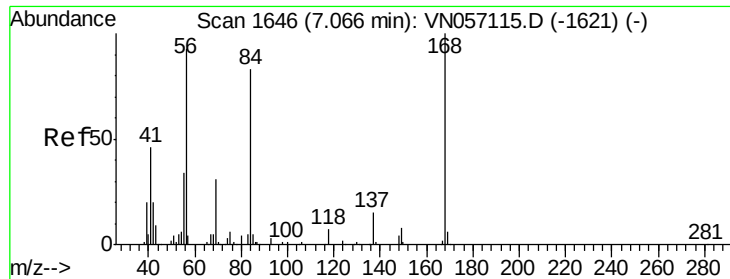


Abundance

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

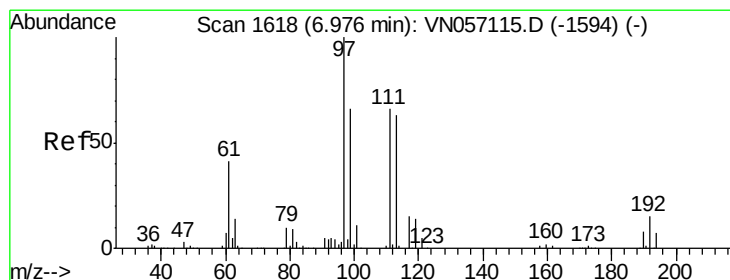
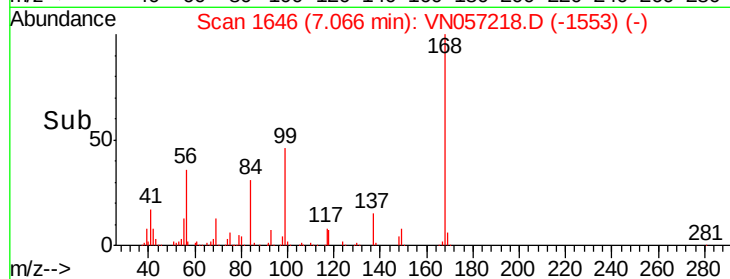
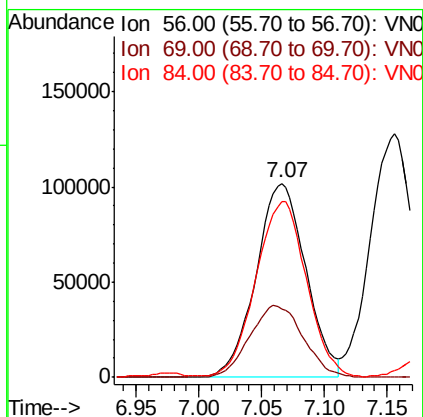
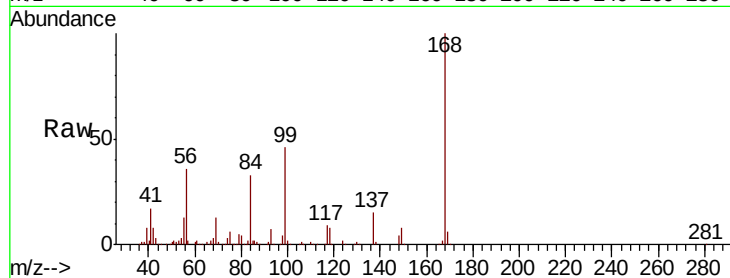




#31
Cyclohexane
Concen: 18.397 ug/l
RT: 7.07 min Scan# 1646
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

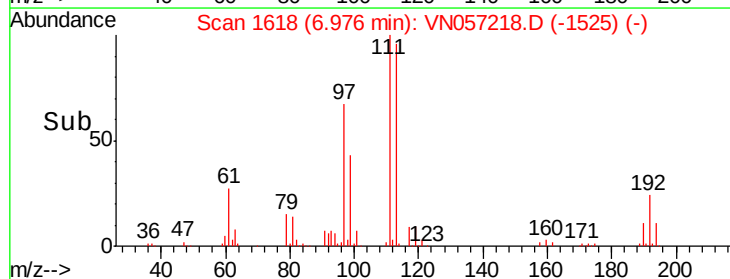
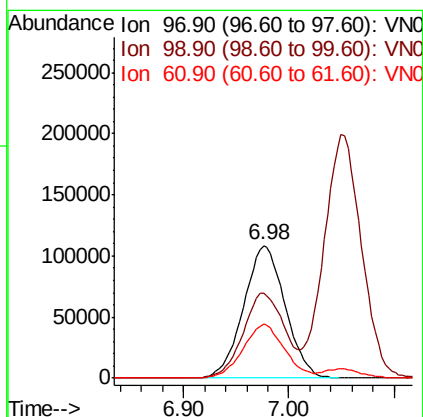
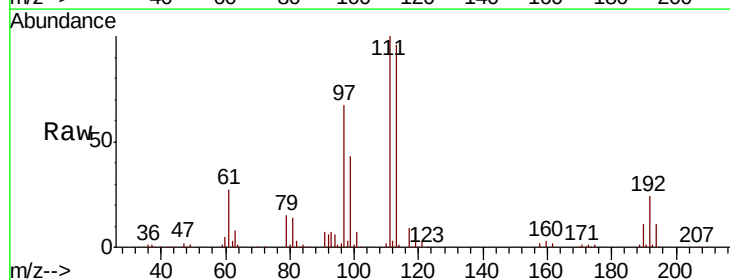
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

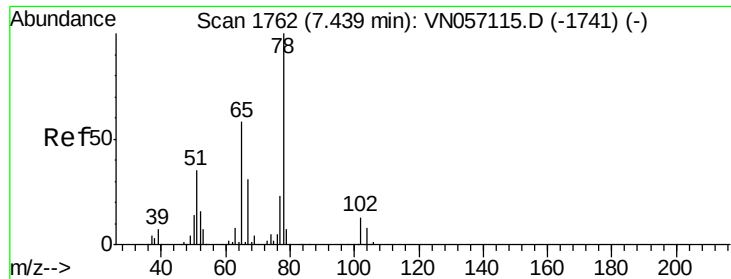
Tgt Ion: 56 Resp: 281123
Ion Ratio Lower Upper
56 100
69 35.1 26.9 40.3
84 89.8 71.9 107.9



#32
1,1,1-Trichloroethane
Concen: 20.141 ug/l
RT: 6.98 min Scan# 1618
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 97 Resp: 297024
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.6
61 40.5 32.7 49.1

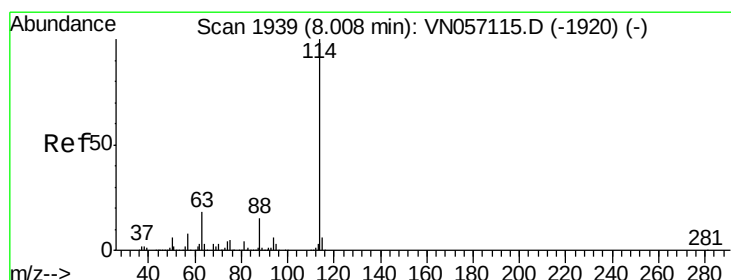
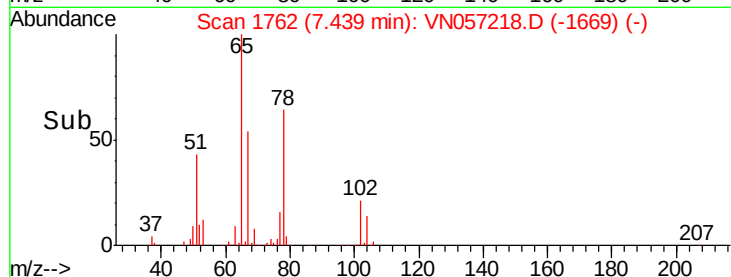
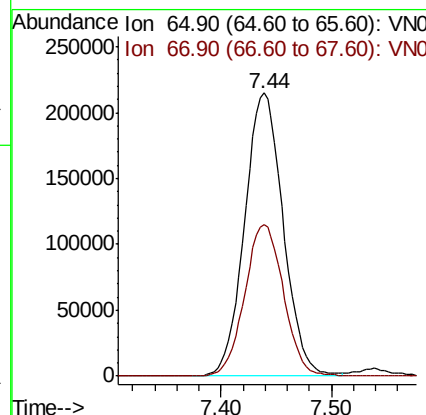
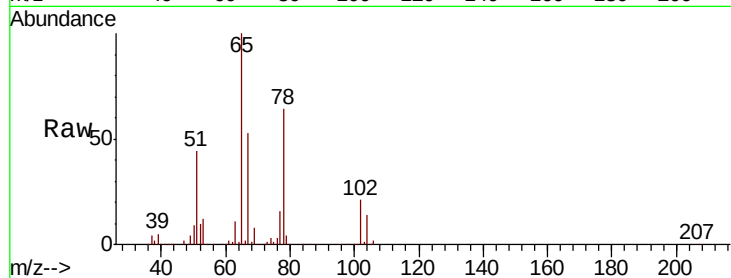




#33
 1,2-Dichloroethane-d4
 Concen: 49.366 ug/l
 RT: 7.44 min Scan# 1762
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

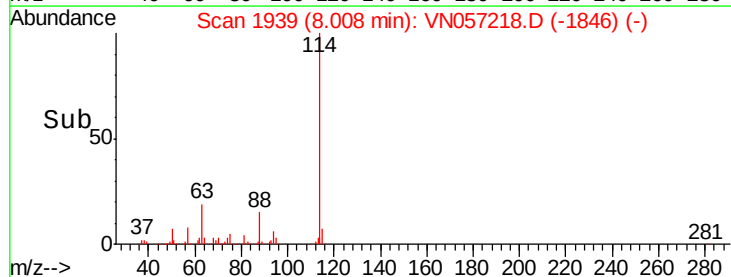
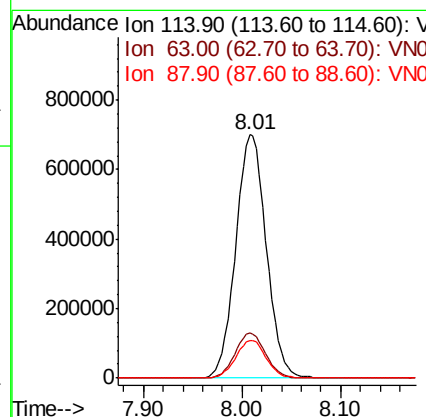
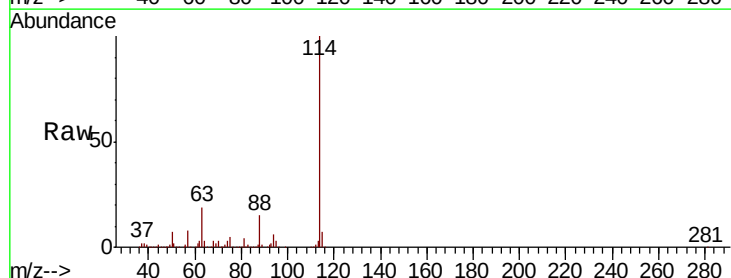
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

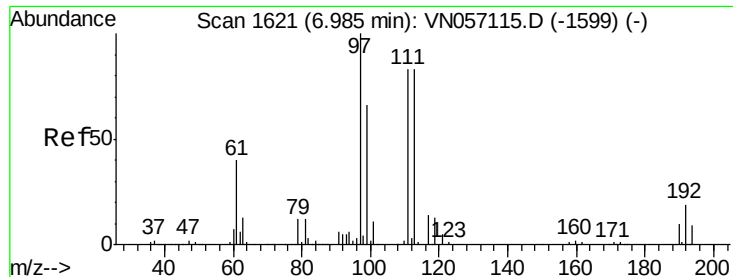
Tgt Ion: 65 Resp: 520054
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 108.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.01 min Scan# 1939
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 114 Resp: 1511754
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 36.2
 88 15.3 0.0 30.0

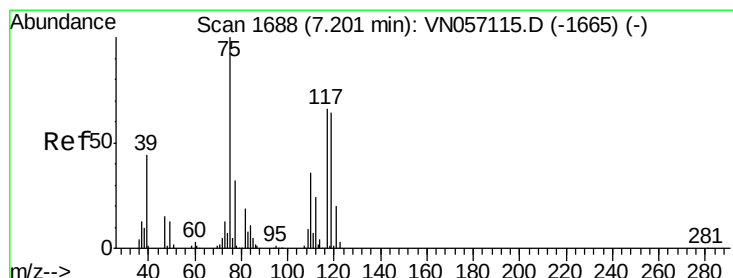
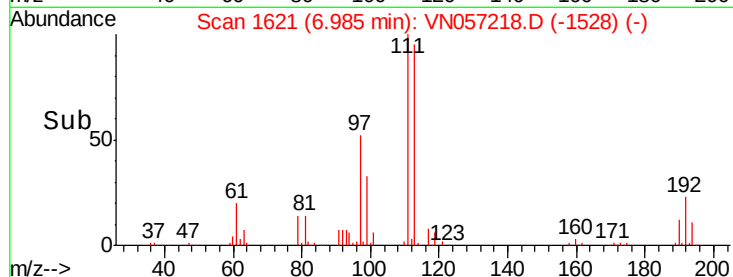
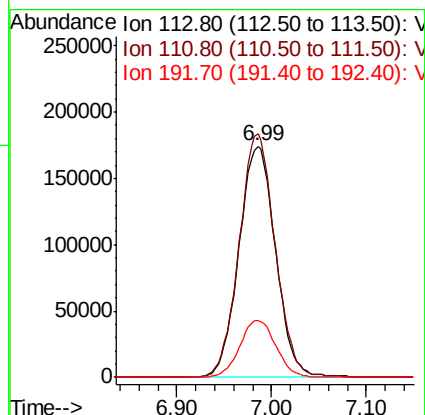
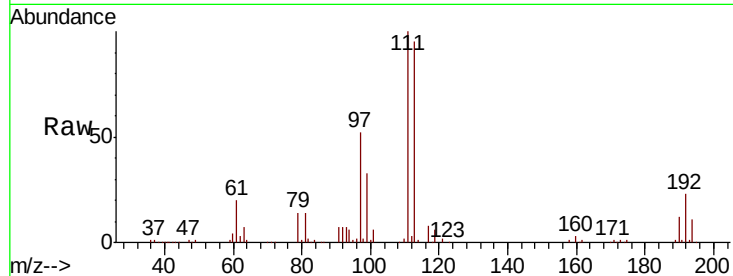




#35
 Dibromofluoromethane
 Concen: 49.312 ug/l
 RT: 6.99 min Scan# 1621
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

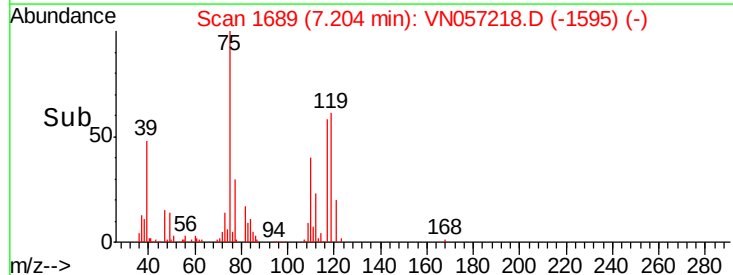
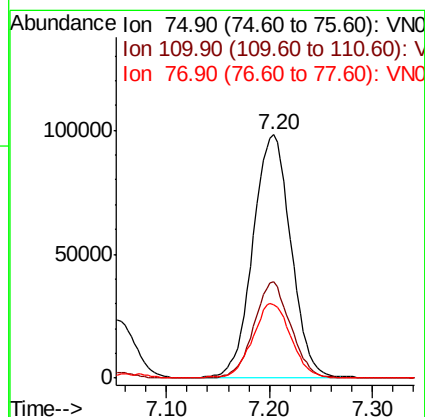
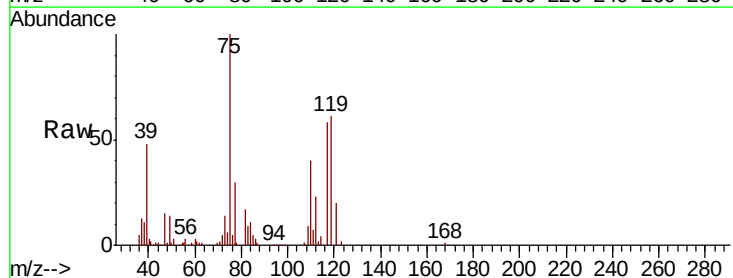
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

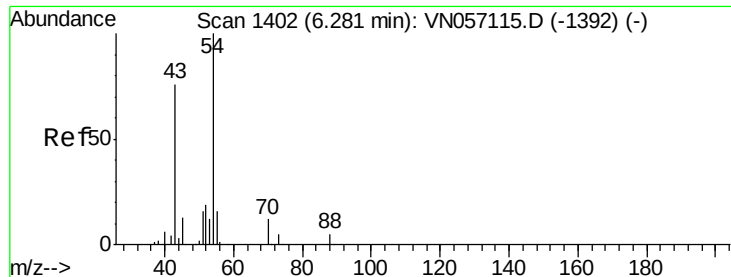
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.9	81.3	121.9
192	24.4	19.0	28.4



#36
 1,1-Dichloropropene
 Concen: 20.054 ug/l
 RT: 7.20 min Scan# 1689
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
110	38.5	18.7	56.1
77	31.3	25.0	37.4

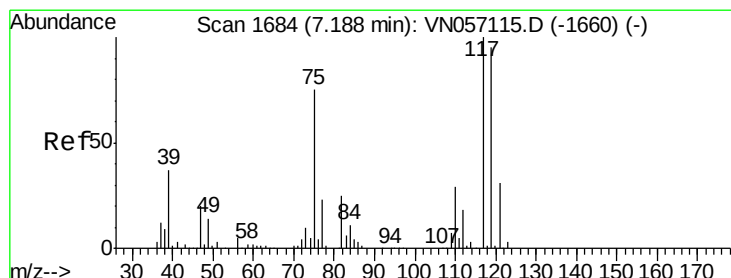
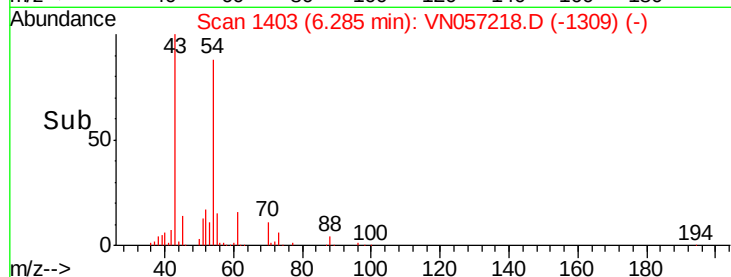
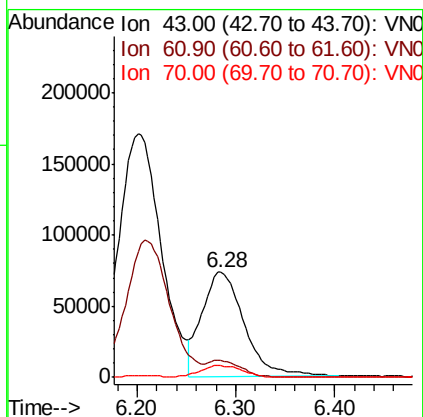
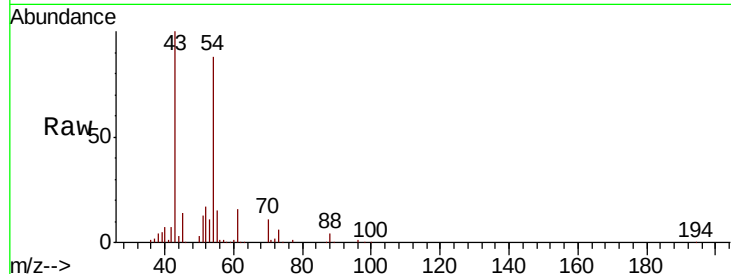




#37
Ethyl Acetate
Concen: 21.122 ug/l
RT: 6.28 min Scan# 1403
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

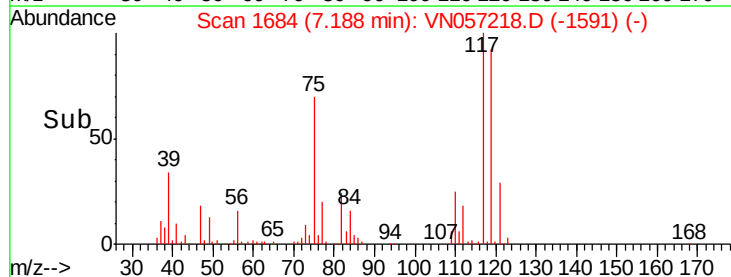
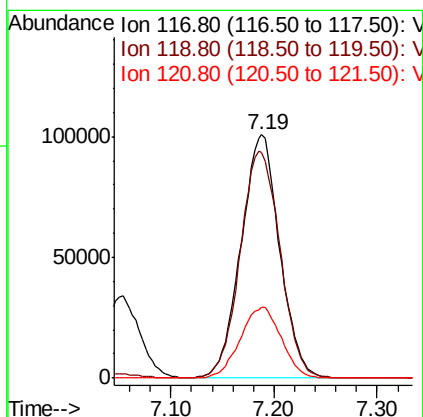
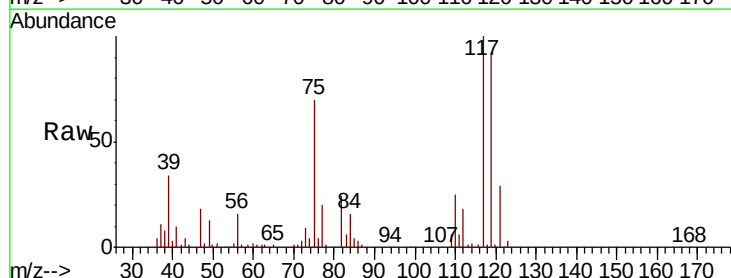
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

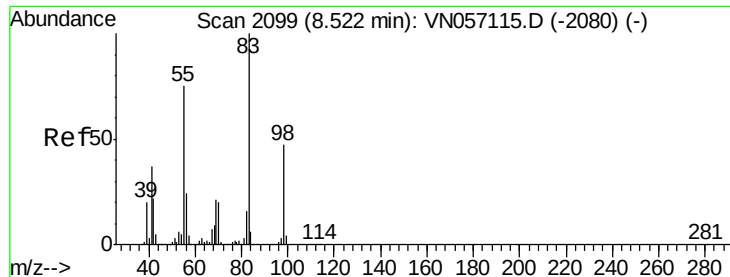
Tgt Ion: 43 Resp: 216804
Ion Ratio Lower Upper
43 100
61 0.0 0.0 0.0
70 11.6 9.1 13.7



#38
Carbon Tetrachloride
Concen: 20.226 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 117 Resp: 262367
Ion Ratio Lower Upper
117 100
119 92.5 75.8 113.6
121 29.3 24.4 36.6

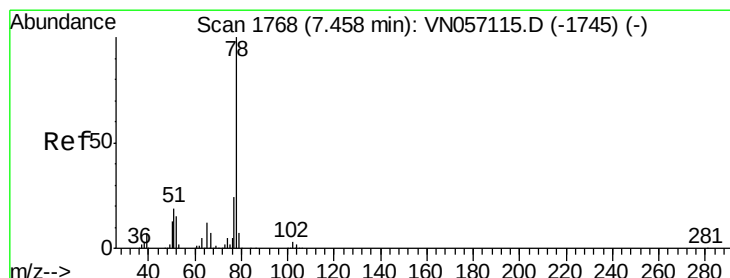
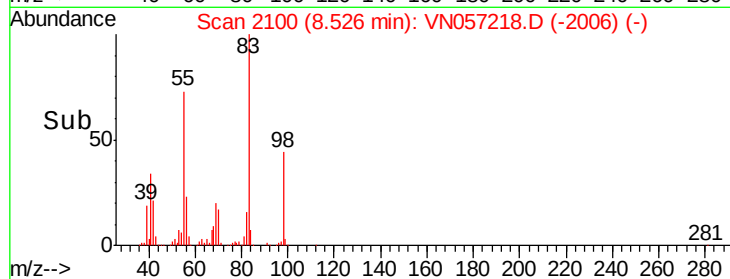
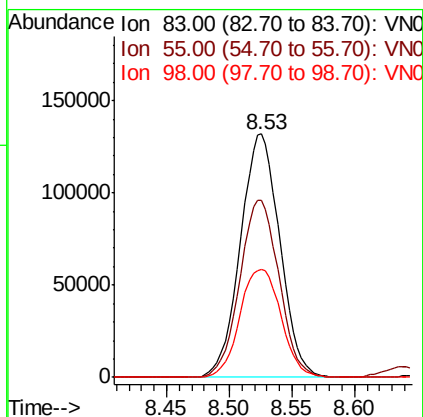
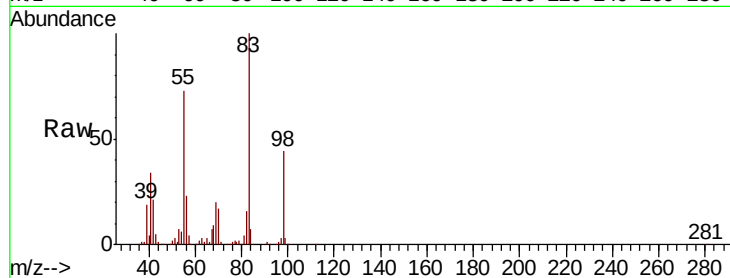




#39
Methylcyclohexane
Concen: 19.058 ug/l
RT: 8.53 min Scan# 2100
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

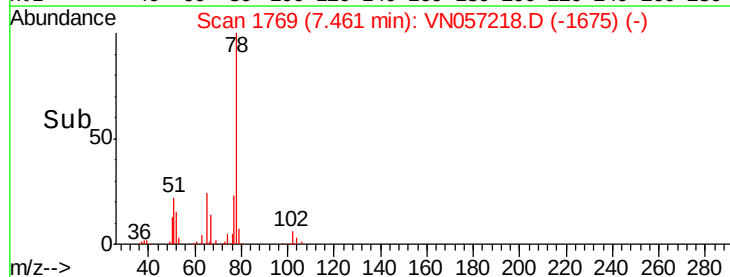
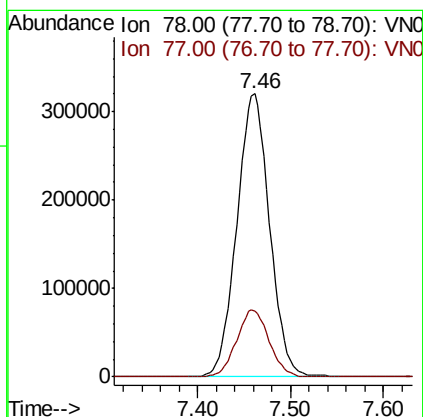
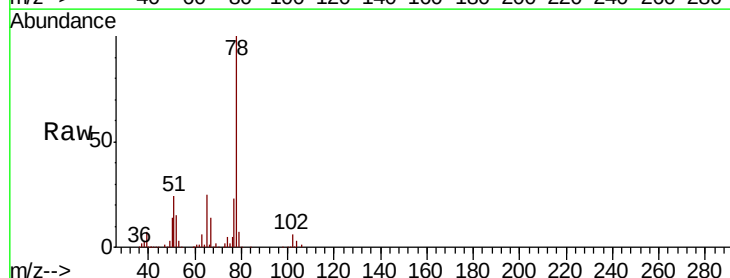
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

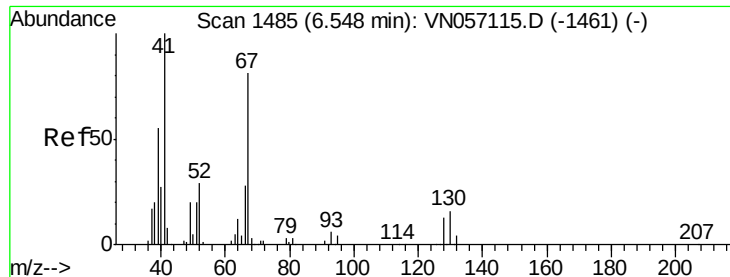
Tgt Ion: 83 Resp: 288470
Ion Ratio Lower Upper
83 100
55 72.7 60.3 90.5
98 44.4 37.9 56.9



#40
Benzene
Concen: 19.862 ug/l
RT: 7.46 min Scan# 1769
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 78 Resp: 782636
Ion Ratio Lower Upper
78 100
77 23.3 19.2 28.8

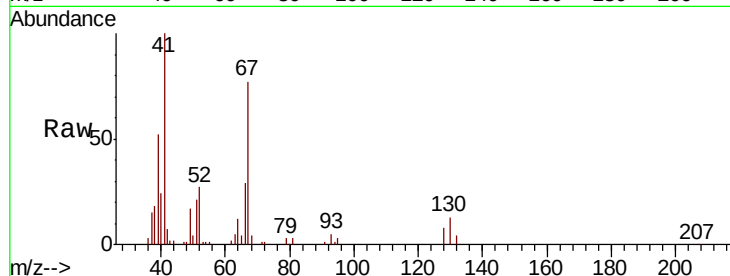




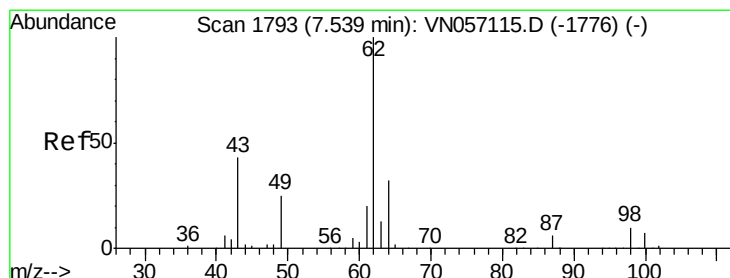
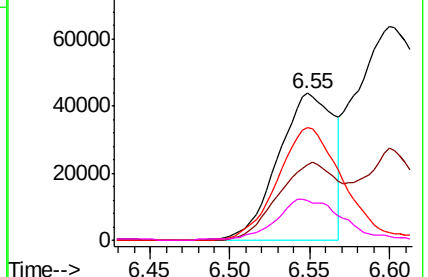
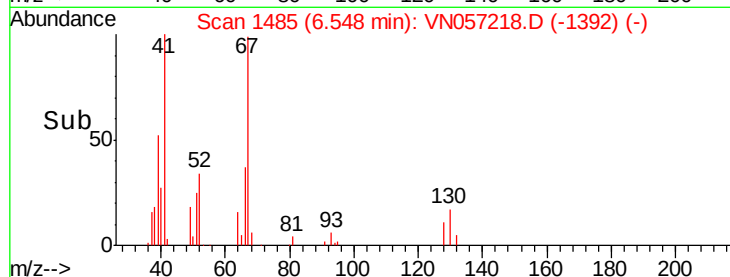
#41
Methacrylonitrile
Concen: 20.394 ug/l
RT: 6.55 min Scan# 1485
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

Tgt Ion:	41	Resp:	106292
Ion	Ratio	Lower	Upper
41	100		
39	56.0	44.9	67.3
67	90.4	69.1	103.7
52	34.2	25.8	38.6

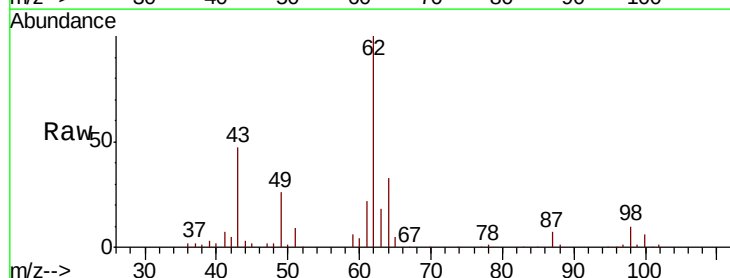


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 39.00 (38.70 to 39.70): VN0
Ion 67.00 (66.70 to 67.70): VN0
Ion 52.00 (51.70 to 52.70): VN0

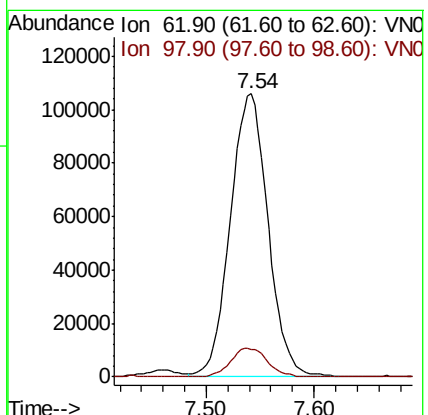
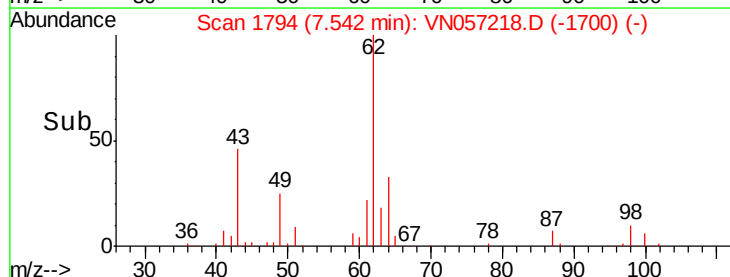


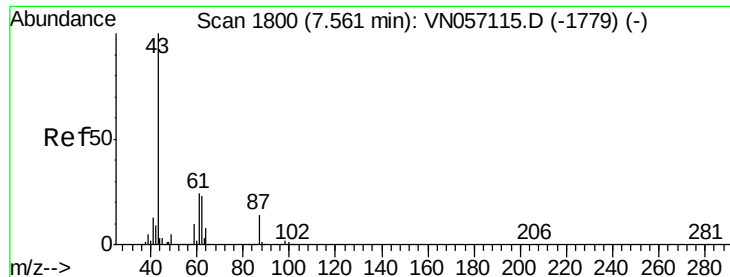
#42
1,2-Dichloroethane
Concen: 20.377 ug/l
RT: 7.54 min Scan# 1794
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion:	62	Resp:	256077
Ion	Ratio	Lower	Upper
62	100		
98	10.0	0.0	19.4



Abundance Ion 61.90 (61.60 to 62.60): VN0
Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 20.803 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

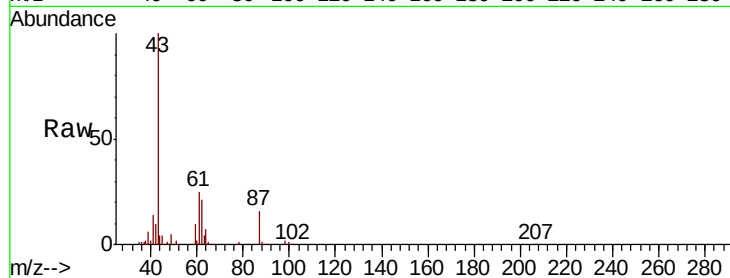
Tgt Ion: 43 Resp: 364255

Ion Ratio Lower Upper

43 100

61 29.0 24.2 36.2

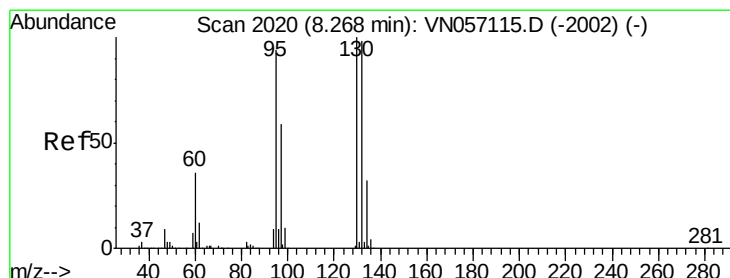
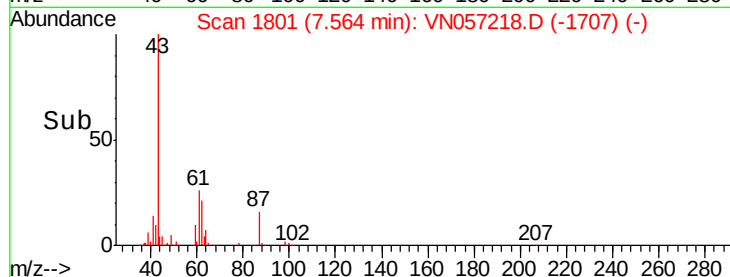
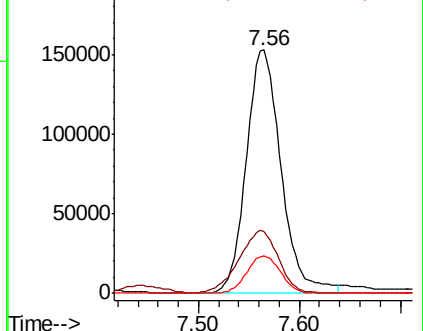
87 15.1 11.8 17.8



Abundance Ion 43.00 (42.70 to 43.70): VN057218.D (-1779) (-)

Ion 61.00 (60.70 to 61.70): VN057218.D (-1779) (-)

Ion 87.00 (86.70 to 87.70): VN057218.D (-1779) (-)



#44

Trichloroethene

Concen: 20.055 ug/l

RT: 8.27 min Scan# 2020

Delta R.T. -0.00 min

Lab File: VN057218.D

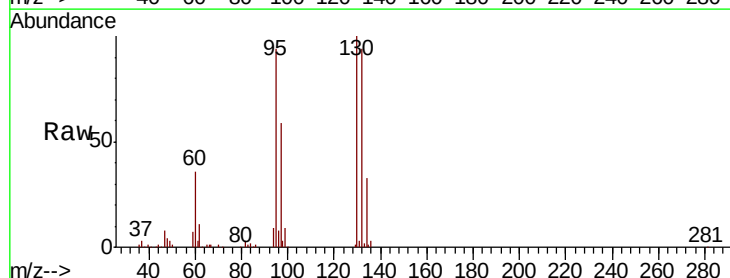
Acq: 12 Aug 2019 16:26

Tgt Ion: 130 Resp: 221398

Ion Ratio Lower Upper

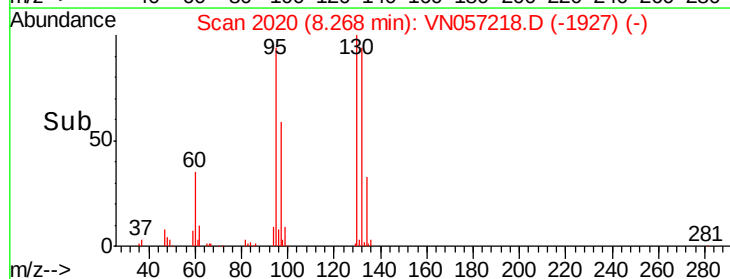
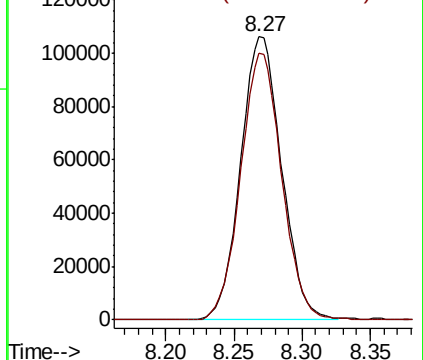
130 100

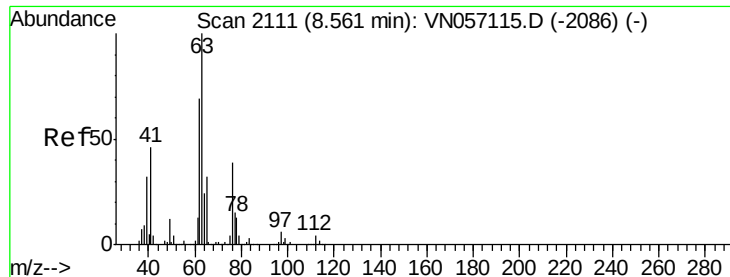
95 94.1 0.0 187.4



Abundance Ion 129.80 (129.50 to 130.50): VN057218.D (-1927) (-)

Ion 94.90 (94.60 to 95.60): VN057218.D (-1927) (-)

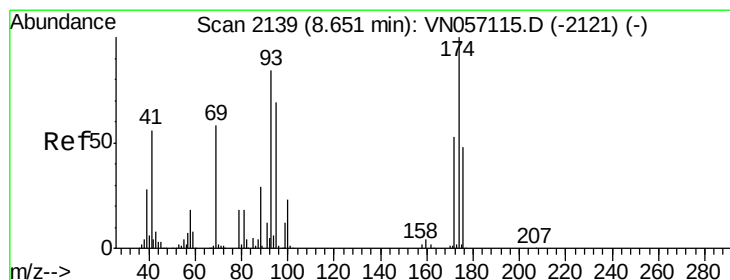
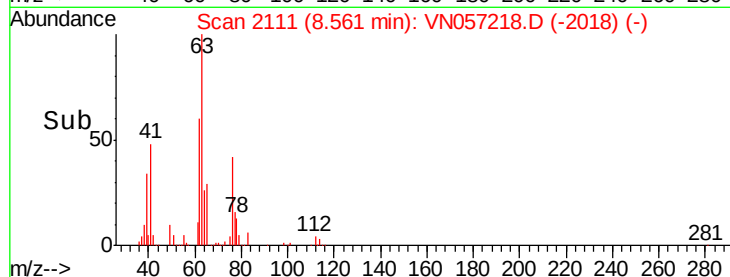
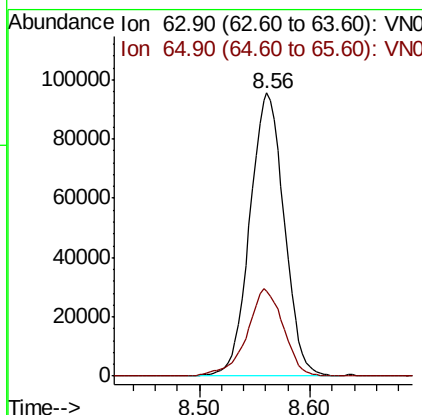
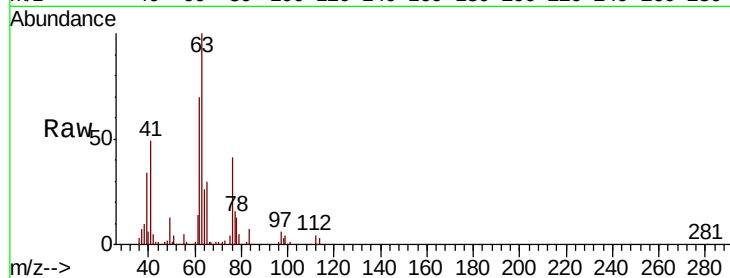




#45
 1,2-Dichloropropane
 Concen: 20.196 ug/l
 RT: 8.56 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

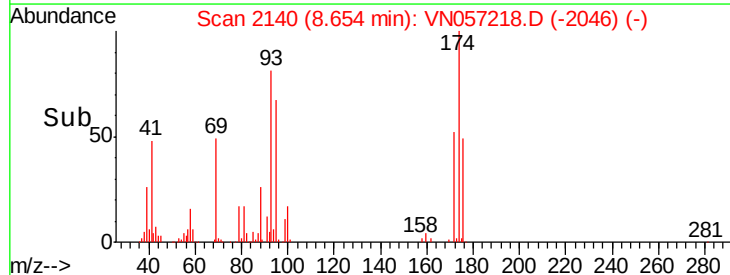
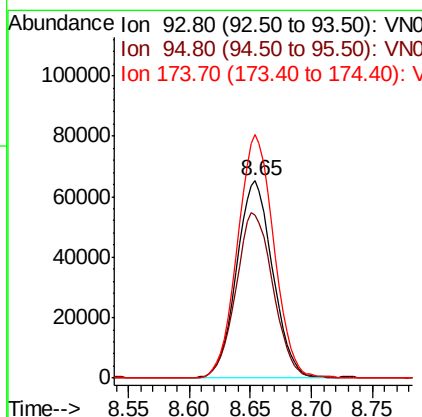
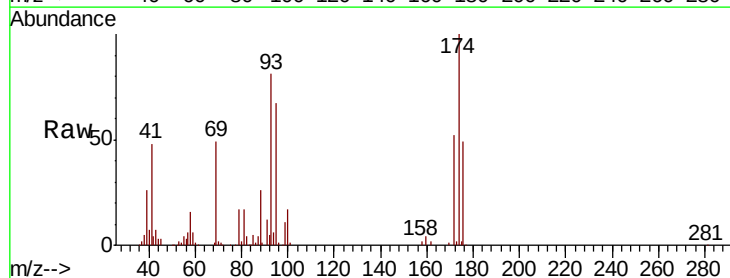
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

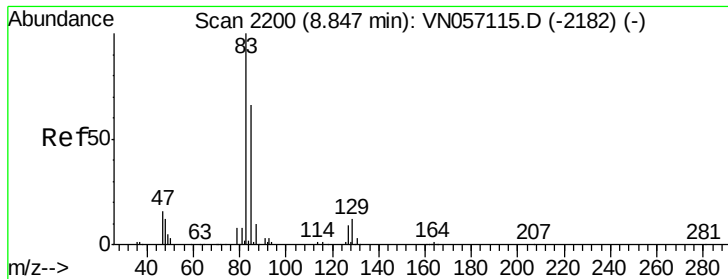
Tgt Ion: 63 Resp: 206051
 Ion Ratio Lower Upper
 63 100
 65 30.0 25.2 37.8



#46
 Dibromomethane
 Concen: 20.496 ug/l
 RT: 8.65 min Scan# 2140
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 93 Resp: 134083
 Ion Ratio Lower Upper
 93 100
 95 85.5 66.0 99.0
 174 123.9 96.0 144.0





#47

Bromodichloromethane

Concen: 20.938 ug/l

RT: 8.85 min Scan# 2201

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

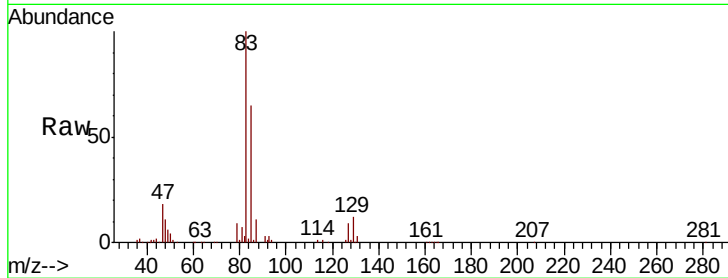
Tgt Ion: 83 Resp: 265036

Ion Ratio Lower Upper

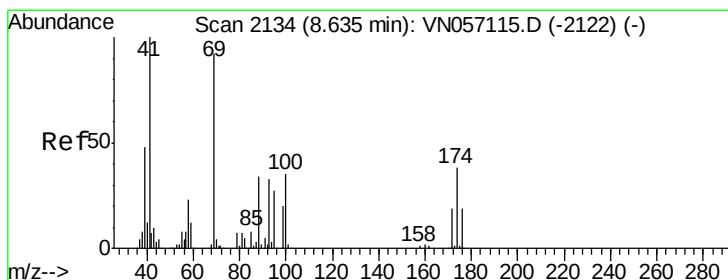
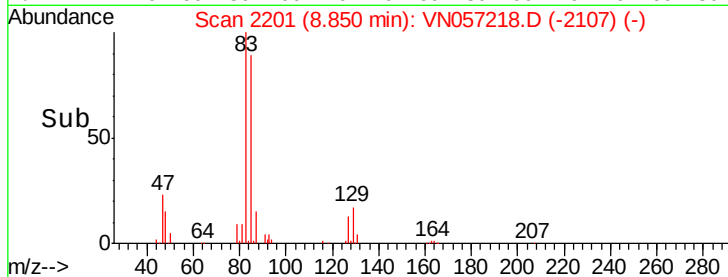
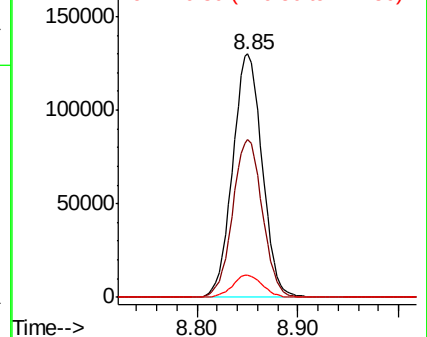
83 100

85 64.6 52.6 78.8

127 9.2 7.5 11.3



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: 19.966 ug/l

RT: 8.64 min Scan# 2135

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

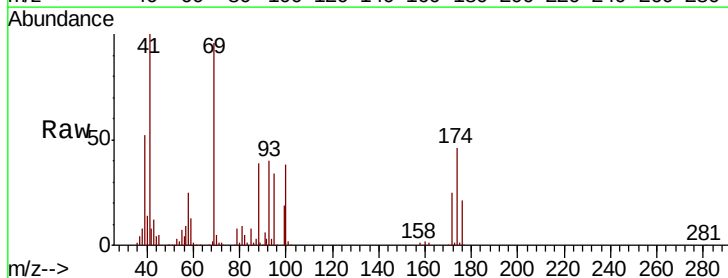
Tgt Ion: 41 Resp: 164851

Ion Ratio Lower Upper

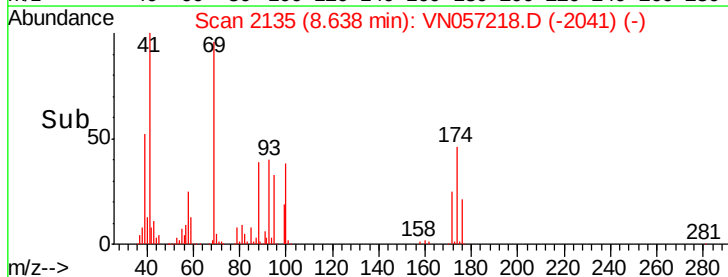
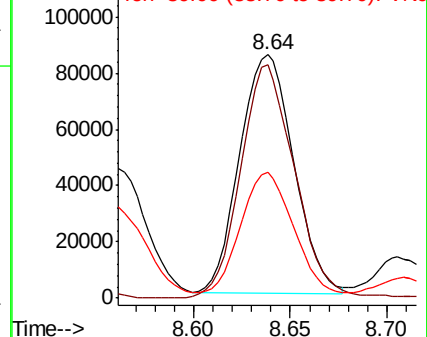
41 100

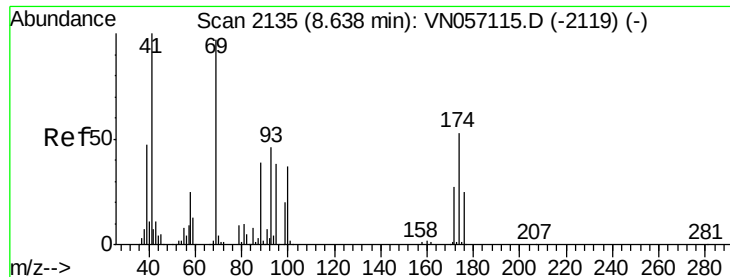
69 98.2 77.5 116.3

39 53.4 39.8 59.6



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

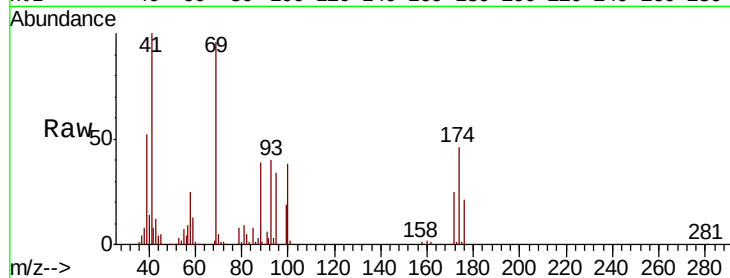




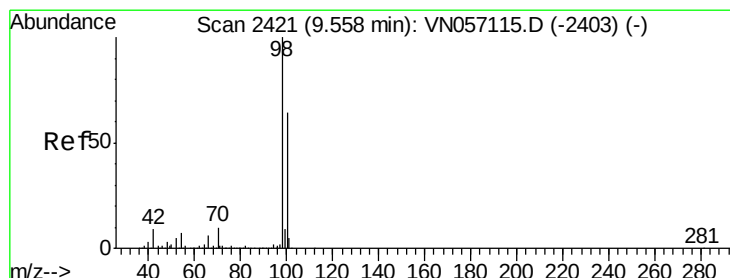
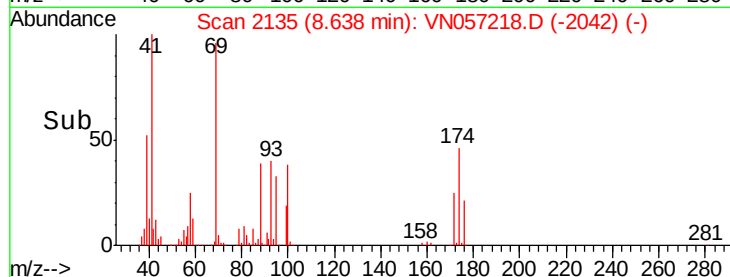
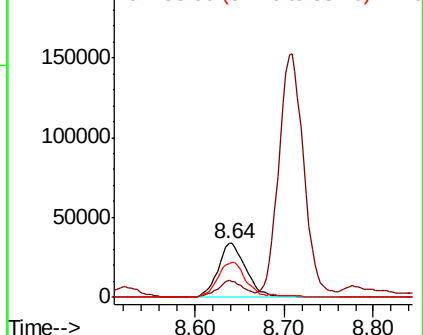
#49
 1,4-Dioxane
 Concen: 442.368 ug/l
 RT: 8.64 min Scan# 2135
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tgt Ion: 88 Resp: 74390
 Ion Ratio Lower Upper
 88 100
 43 26.8 21.7 32.5
 58 63.6 51.1 76.7

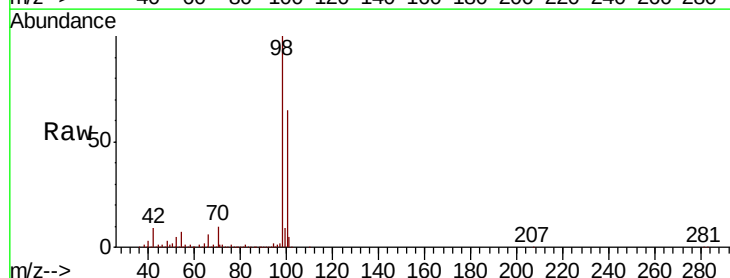


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

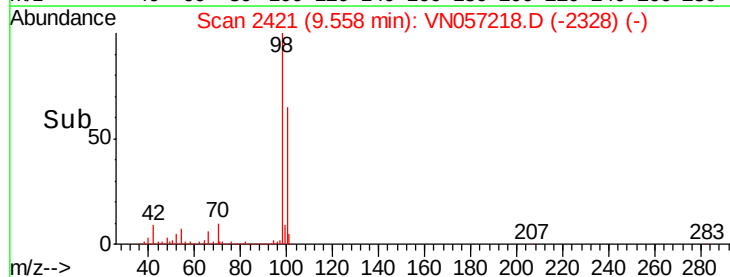
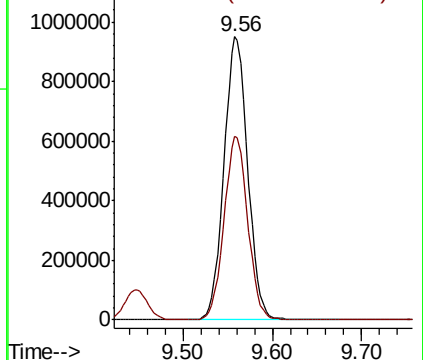


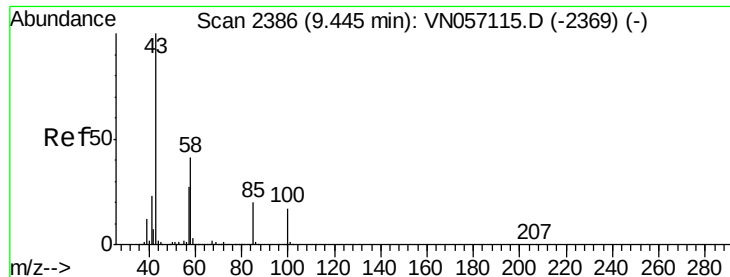
#50
 Toluene-d8
 Concen: 48.118 ug/l
 RT: 9.56 min Scan# 2421
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 98 Resp: 1746385
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.2 76.8



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

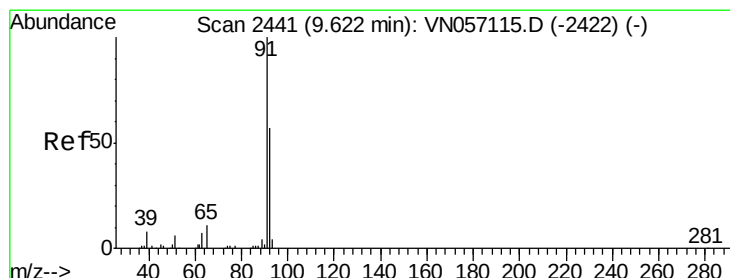
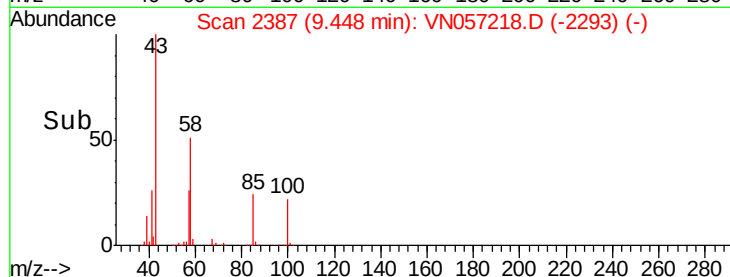
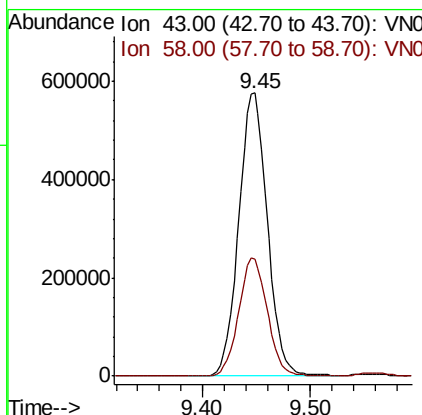
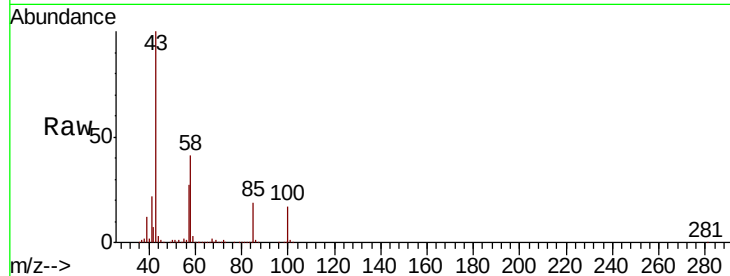




#51
 4-Methyl-2-Pentanone
 Concen: 104.455 ug/l
 RT: 9.45 min Scan# 2387
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

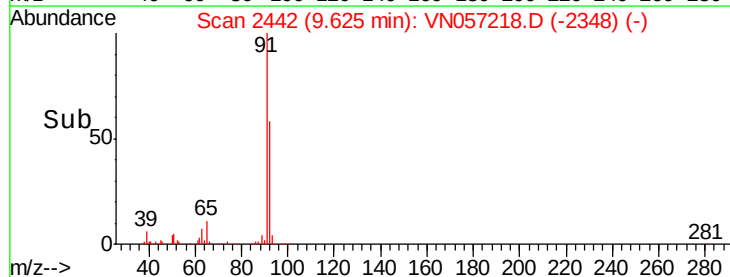
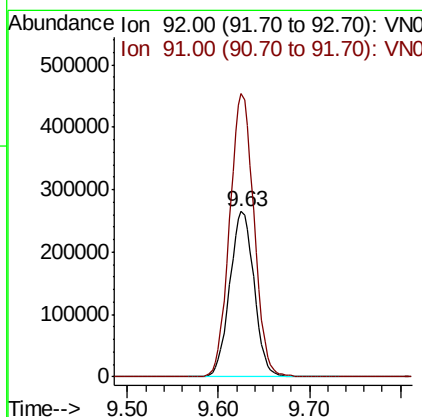
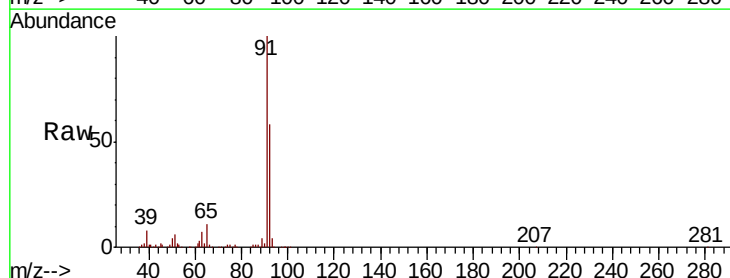
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

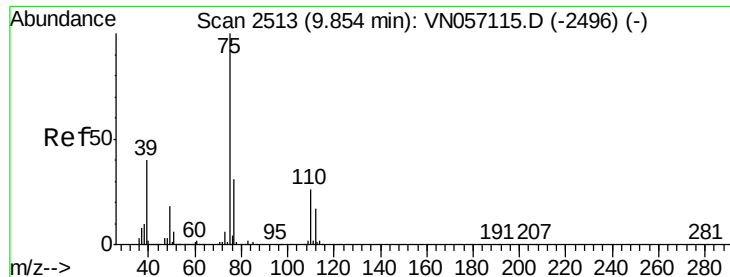
Tgt Ion: 43 Resp: 1064466
 Ion Ratio Lower Upper
 43 100
 58 41.7 33.2 49.8



#52
 Toluene
 Concen: 20.123 ug/l
 RT: 9.63 min Scan# 2442
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 92 Resp: 492177
 Ion Ratio Lower Upper
 92 100
 91 171.3 139.8 209.8





#53

t-1,3-Dichloropropene

Concen: 20.638 ug/l

RT: 9.86 min Scan# 2514

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

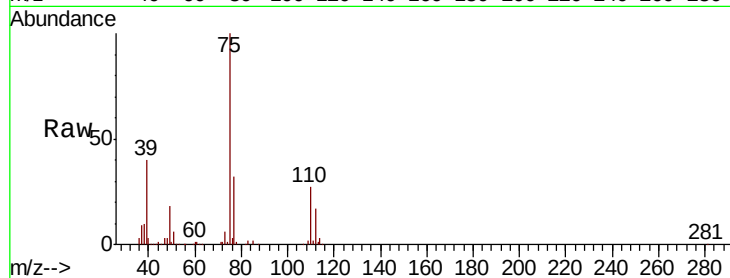
VN0812WBSD02

Tgt Ion: 75 Resp: 272913

Ion Ratio Lower Upper

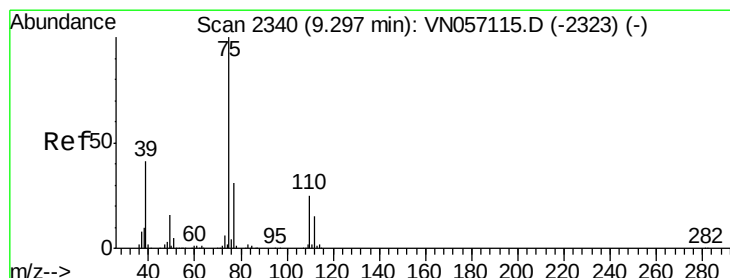
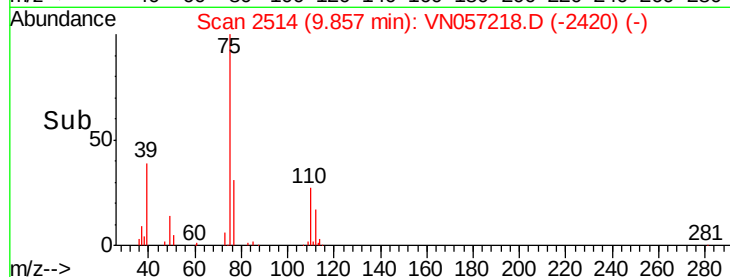
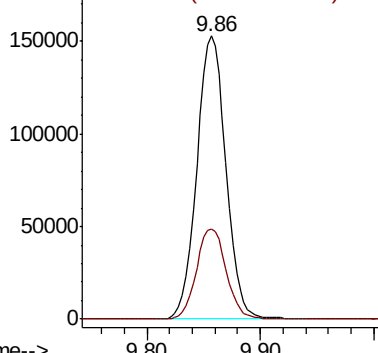
75 100

77 31.9 24.8 37.2



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 20.844 ug/l

RT: 9.30 min Scan# 2341

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

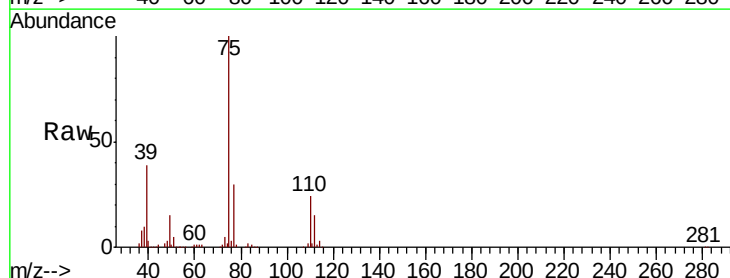
Tgt Ion: 75 Resp: 316275

Ion Ratio Lower Upper

75 100

77 30.4 25.1 37.7

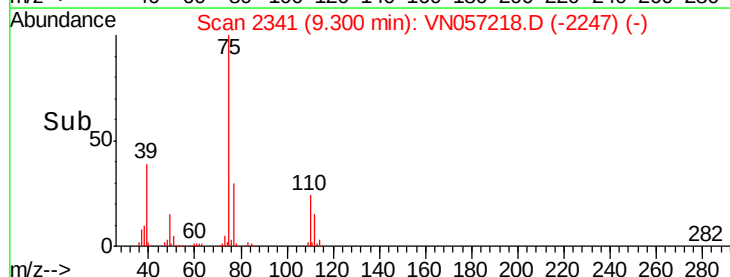
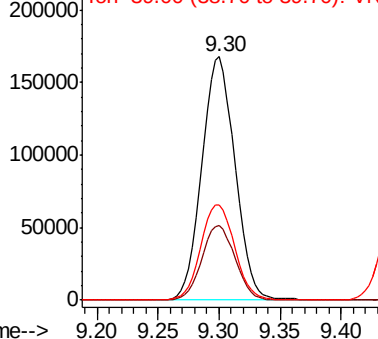
39 39.2 32.5 48.7

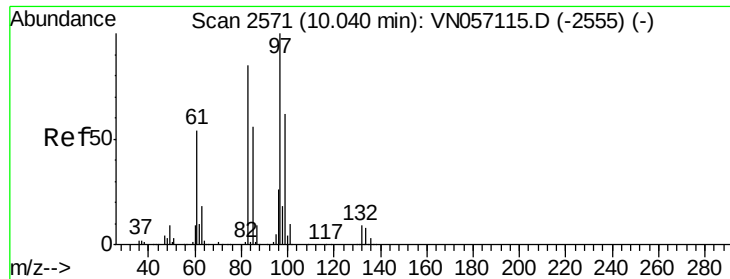


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

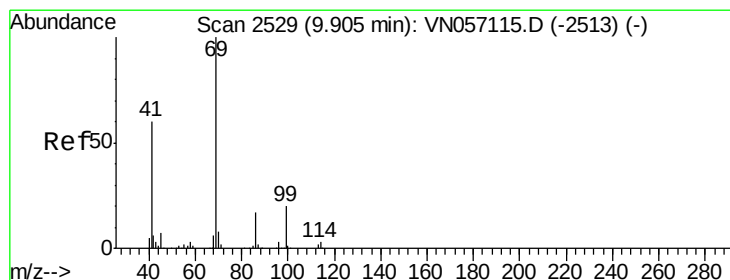
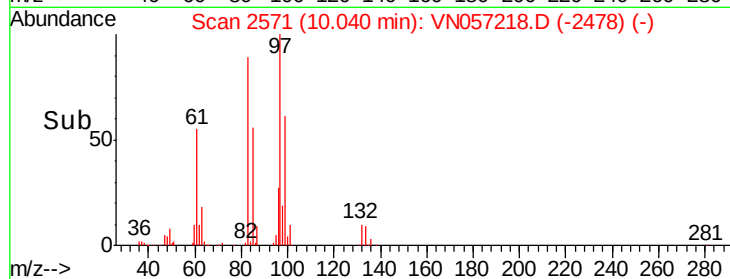
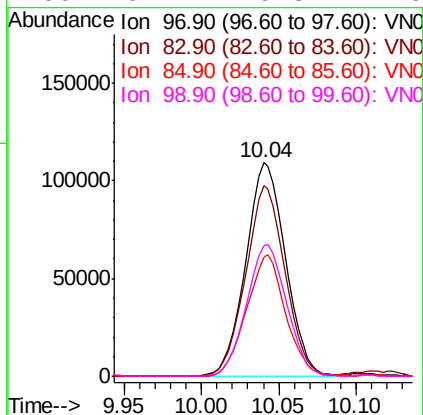
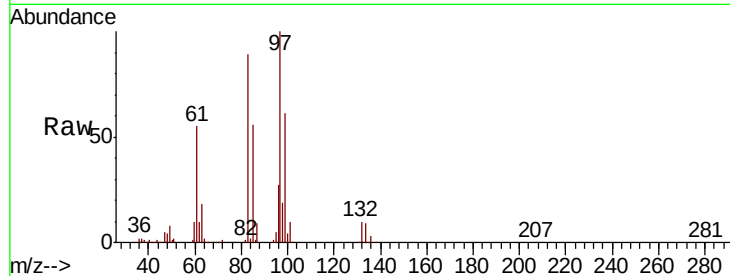




#55
 1,1,2-Trichloroethane
 Concen: 20.380 ug/l
 RT: 10.04 min Scan# 2571
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

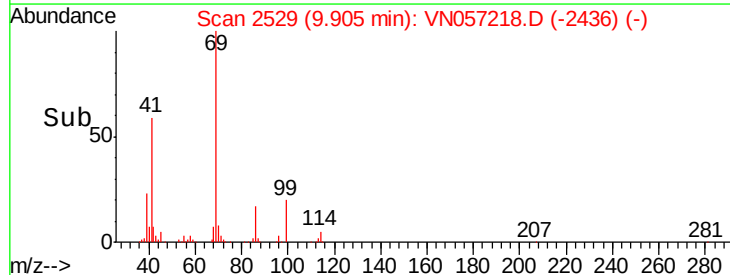
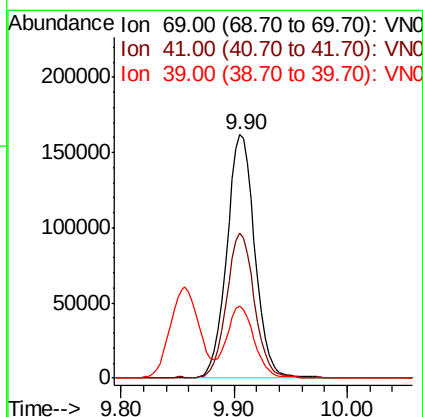
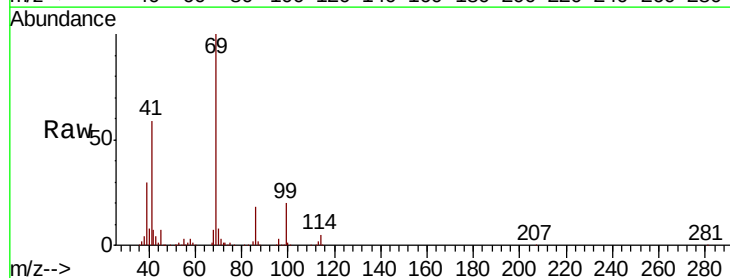
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

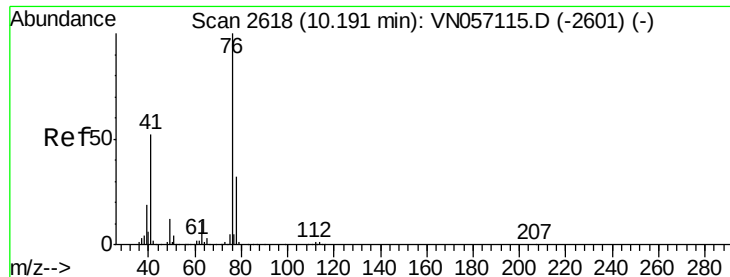
Tgt Ion:	97	Resp:	196023
Ion	Ratio	Lower	Upper
97	100		
83	89.1	67.8	101.8
85	55.7	44.4	66.6
99	61.4	49.8	74.6



#56
 Ethyl methacrylate
 Concen: 20.685 ug/l
 RT: 9.90 min Scan# 2529
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion:	69	Resp:	278560
Ion	Ratio	Lower	Upper
69	100		
41	58.6	48.1	72.1
39	28.9	23.6	35.4

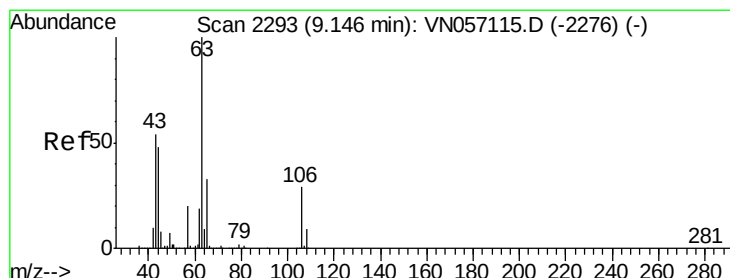
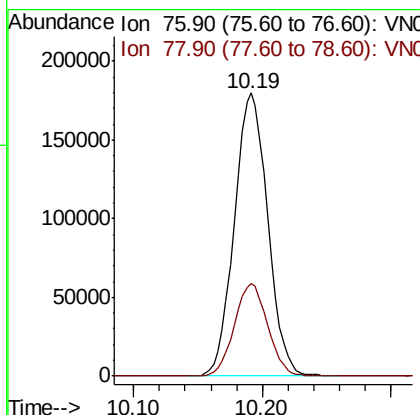
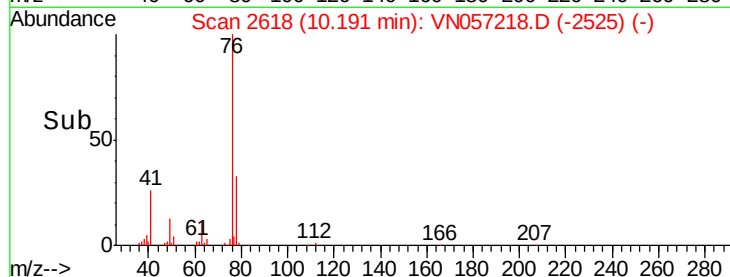
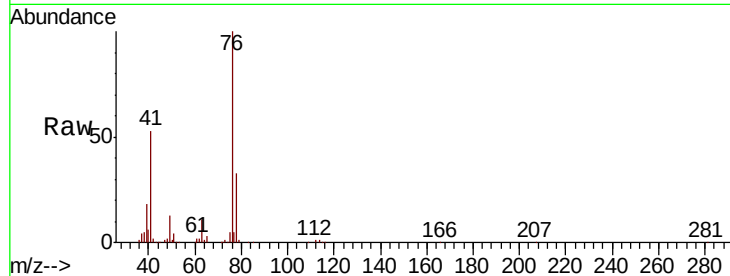




#57
 1,3-Dichloropropane
 Concen: 20.352 ug/l
 RT: 10.19 min Scan# 2618
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

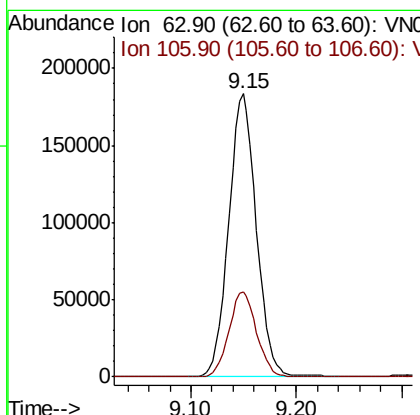
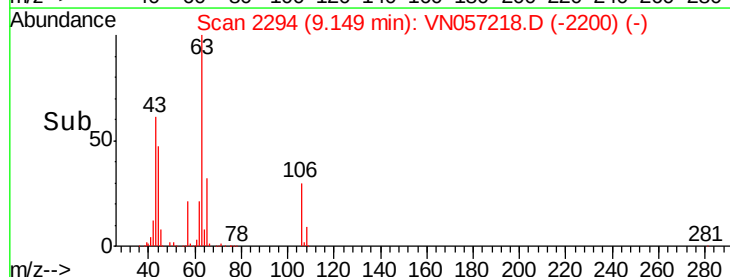
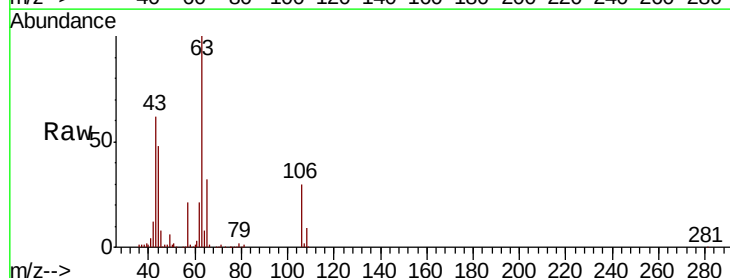
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

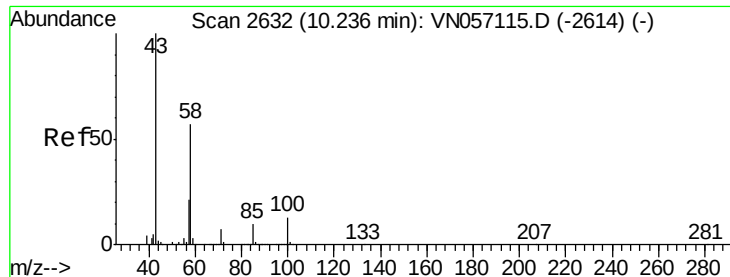
Tgt Ion: 76 Resp: 322811
 Ion Ratio Lower Upper
 76 100
 78 32.8 25.9 38.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 71.741 ug/l
 RT: 9.15 min Scan# 2294
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 63 Resp: 332242
 Ion Ratio Lower Upper
 63 100
 106 30.1 22.6 33.8

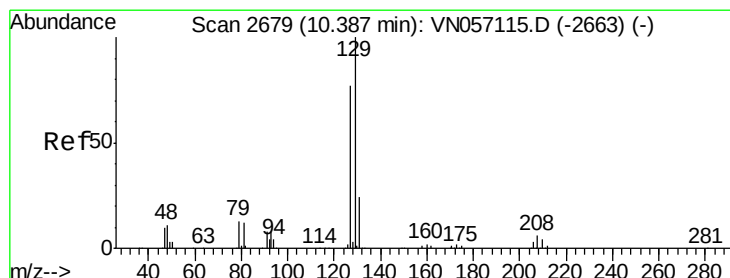
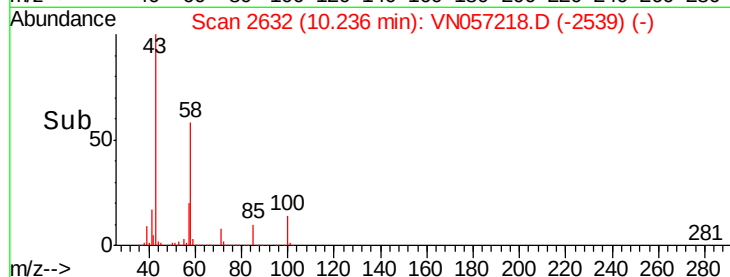
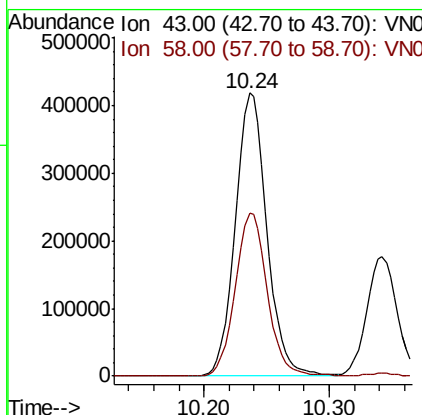
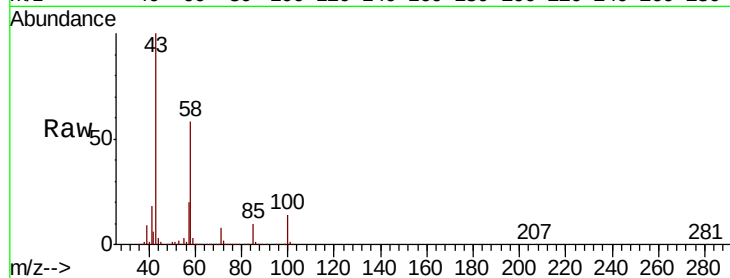




#59
2-Hexanone
Concen: 105.852 ug/l
RT: 10.24 min Scan# 2632
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

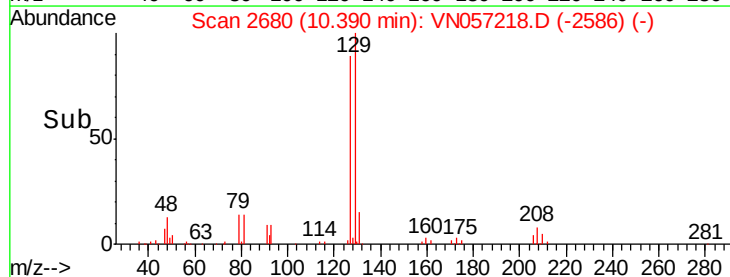
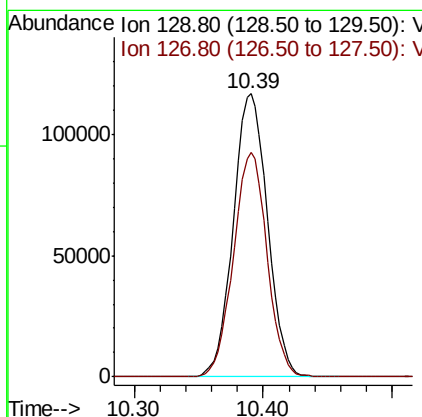
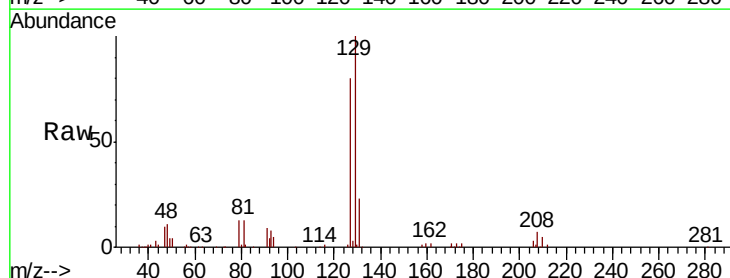
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

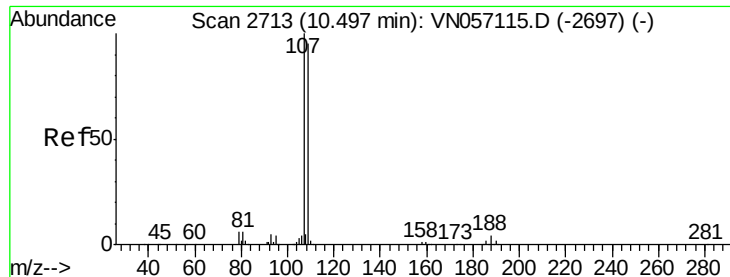
Tgt Ion: 43 Resp: 730060
Ion Ratio Lower Upper
43 100
58 58.6 29.2 87.6



#60
Dibromochloromethane
Concen: 21.282 ug/l
RT: 10.39 min Scan# 2680
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion: 129 Resp: 214980
Ion Ratio Lower Upper
129 100
127 77.8 38.6 116.0

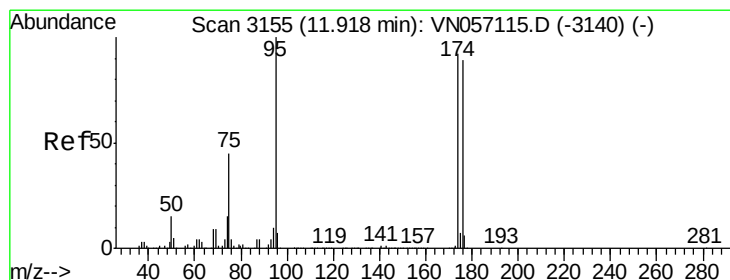
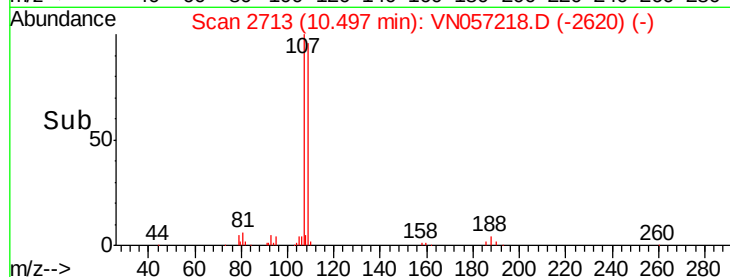
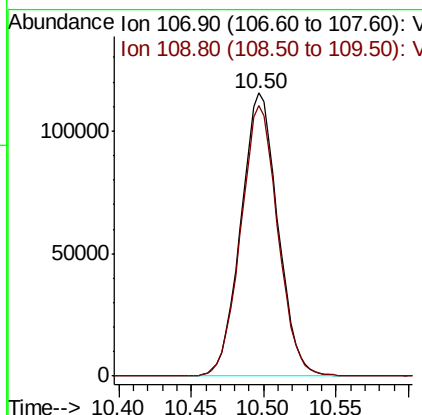
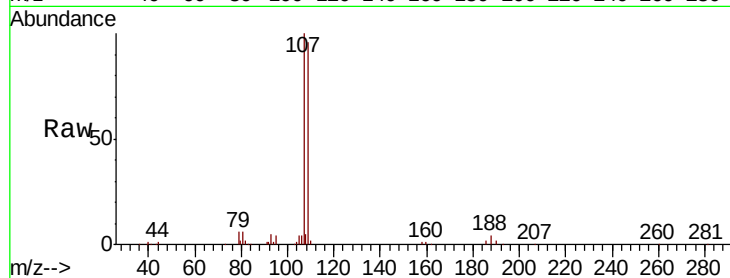




#61
 1,2-Dibromoethane
 Concen: 20.684 ug/l
 RT: 10.50 min Scan# 2713
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

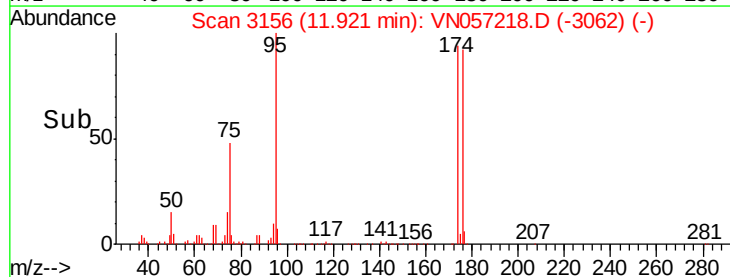
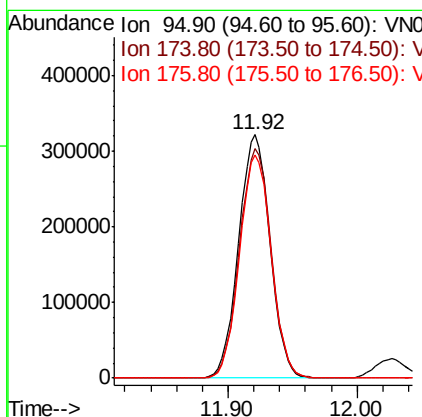
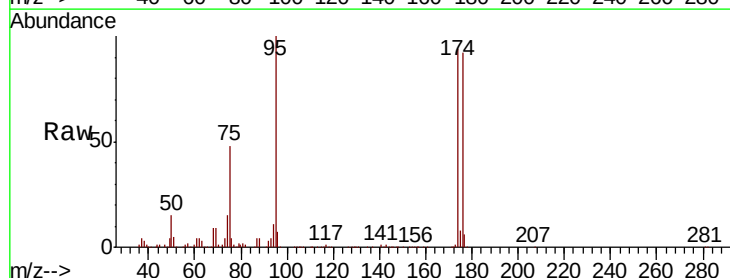
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

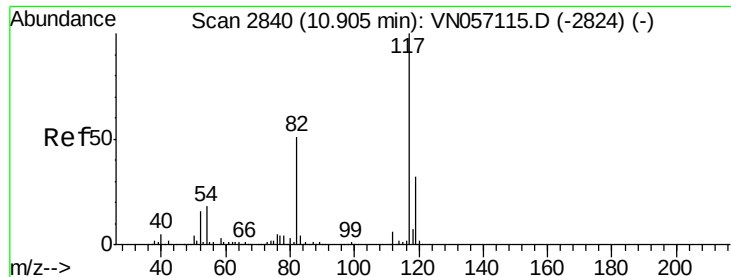
Tgt Ion: 107 Resp: 205292
 Ion Ratio Lower Upper
 107 100
 109 95.6 75.6 113.4



#62
 4-Bromofluorobenzene
 Concen: 46.517 ug/l
 RT: 11.92 min Scan# 3156
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion: 95 Resp: 543974
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 185.0
 176 92.4 0.0 181.2

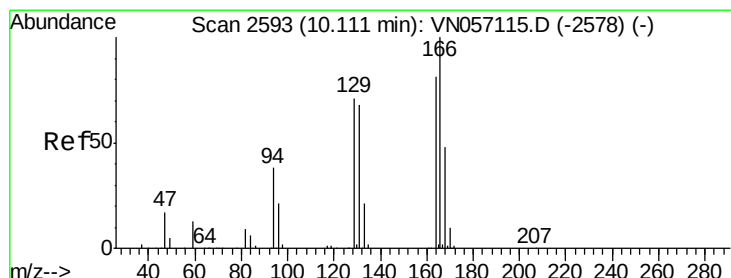
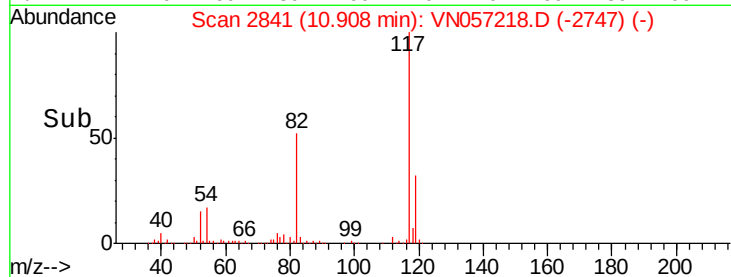
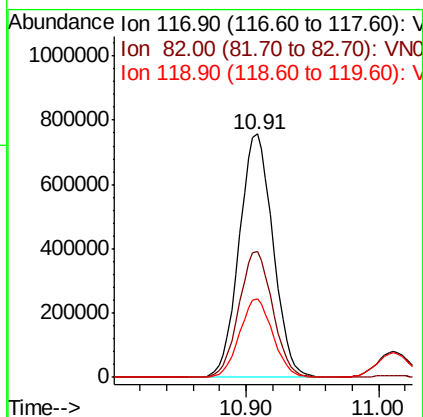
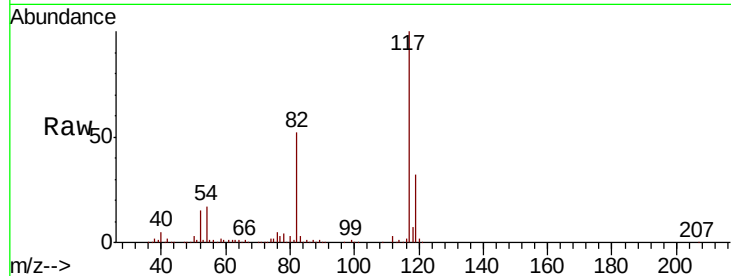




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.91 min Scan# 2841
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

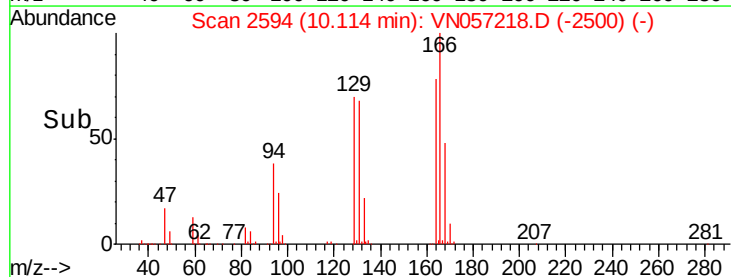
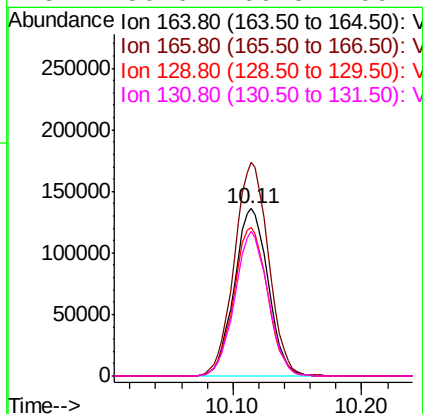
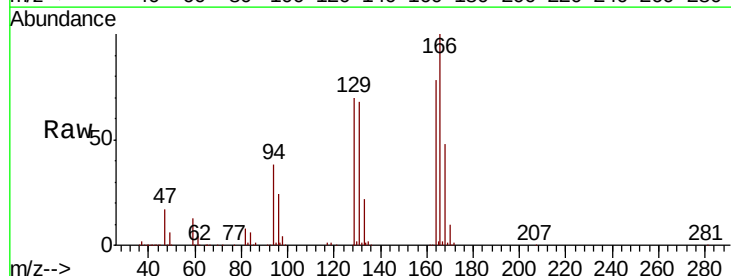
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

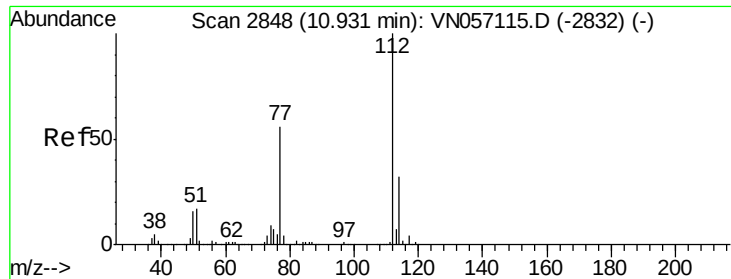
Tgt Ion:117 Resp: 1338545
Ion Ratio Lower Upper
117 100
82 51.7 40.8 61.2
119 32.2 25.7 38.5



#64
Tetrachloroethene
Concen: 22.256 ug/l
RT: 10.11 min Scan# 2594
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion:164 Resp: 247749
Ion Ratio Lower Upper
164 100
166 127.5 98.3 147.5
129 89.0 69.8 104.6
131 86.6 66.8 100.2

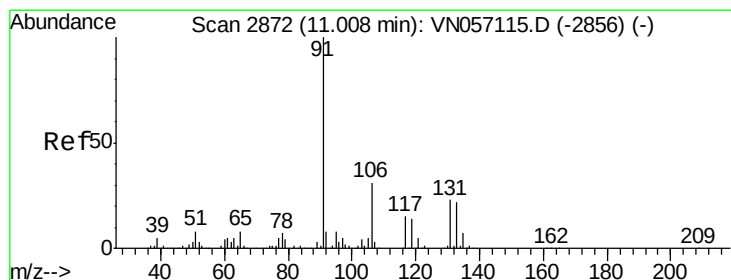
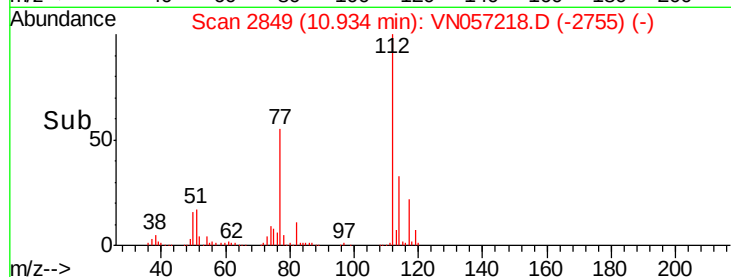
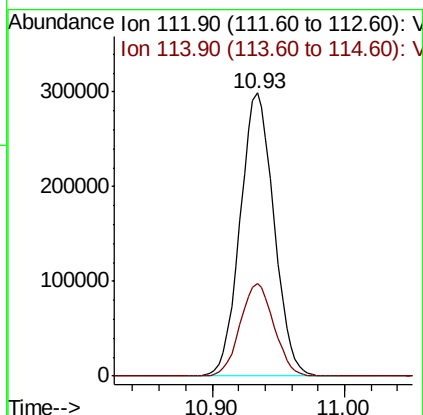
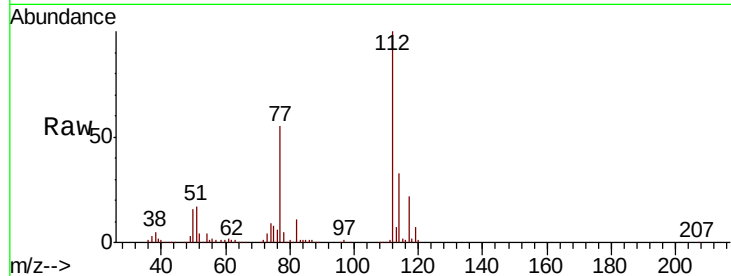




#65
Chlorobenzene
Concen: 19.631 ug/l
RT: 10.93 min Scan# 2849
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

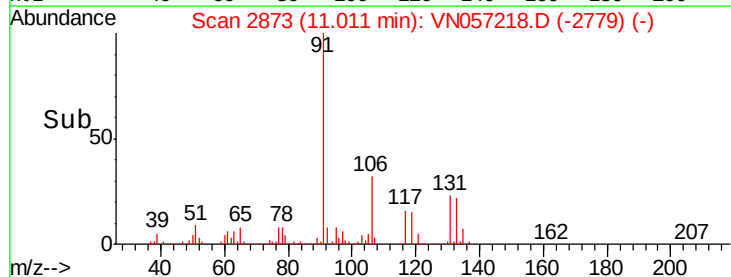
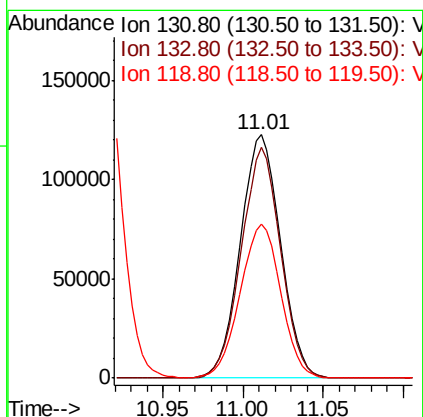
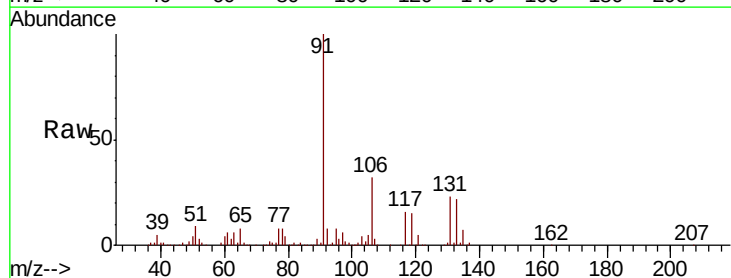
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

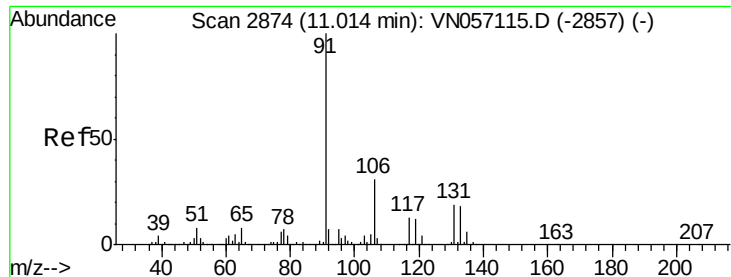
Tgt Ion:112 Resp: 528704
Ion Ratio Lower Upper
112 100
114 32.6 25.4 38.2



#66
1,1,1,2-Tetrachloroethane
Concen: 20.912 ug/l
RT: 11.01 min Scan# 2873
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion:131 Resp: 210559
Ion Ratio Lower Upper
131 100
133 93.2 47.6 142.8
119 64.0 32.6 97.7





#67

Ethyl Benzene

Concen: 19.683 ug/l

RT: 11.01 min Scan# 2874

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

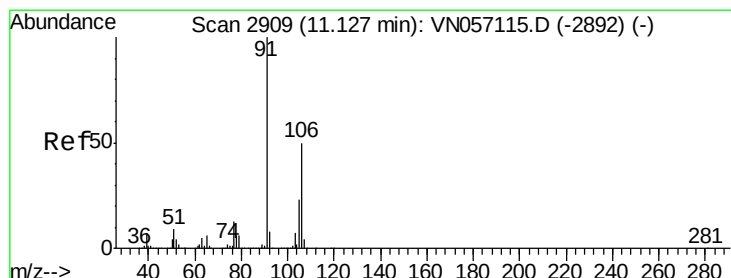
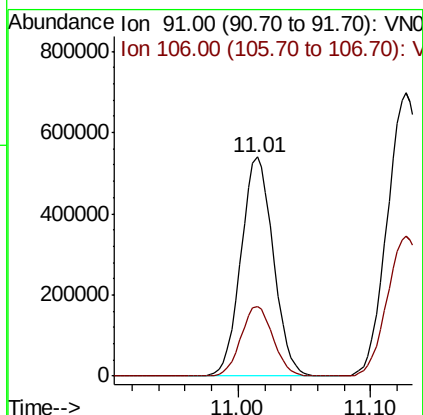
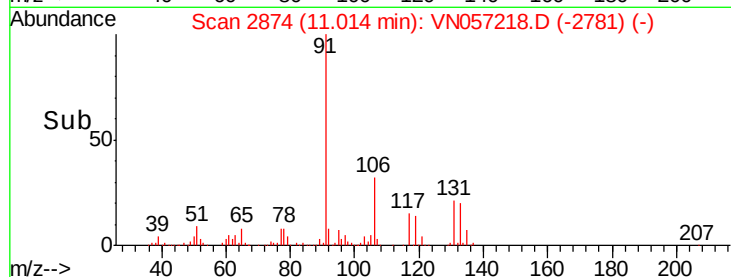
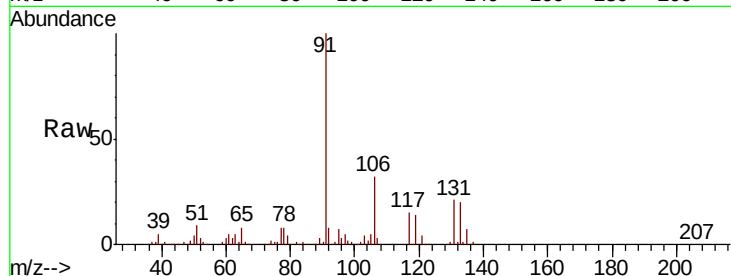
VN0812WBSD02

Tgt Ion: 91 Resp: 912368

Ion Ratio Lower Upper

91 100

106 32.0 25.0 37.4



#68

m/p-Xylenes

Concen: 39.919 ug/l

RT: 11.13 min Scan# 2909

Delta R.T. -0.00 min

Lab File: VN057218.D

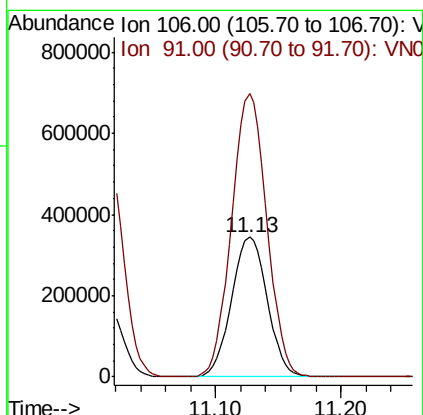
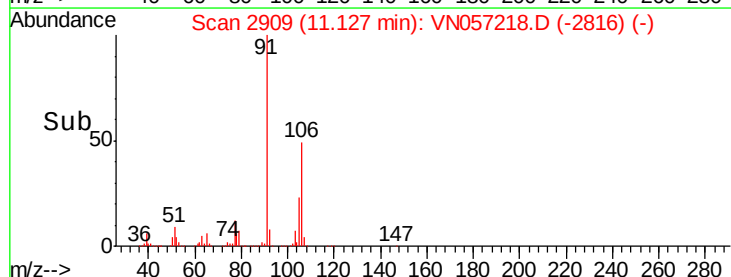
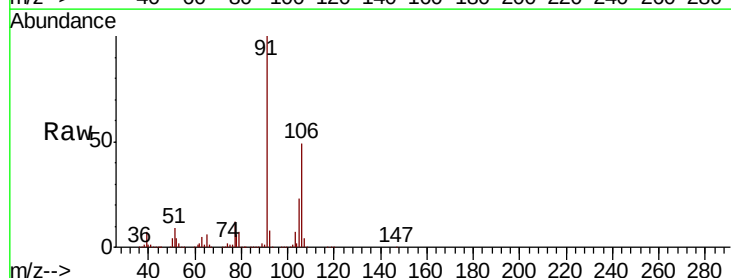
Acq: 12 Aug 2019 16:26

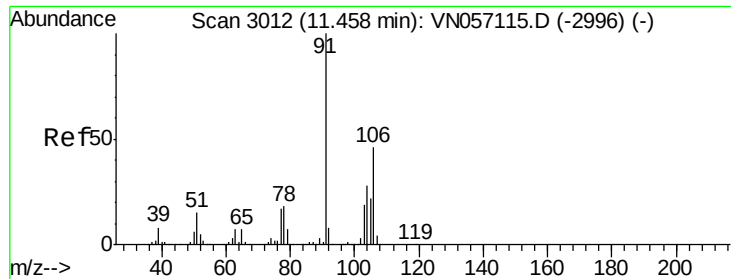
Tgt Ion: 106 Resp: 681700

Ion Ratio Lower Upper

106 100

91 199.0 159.8 239.8

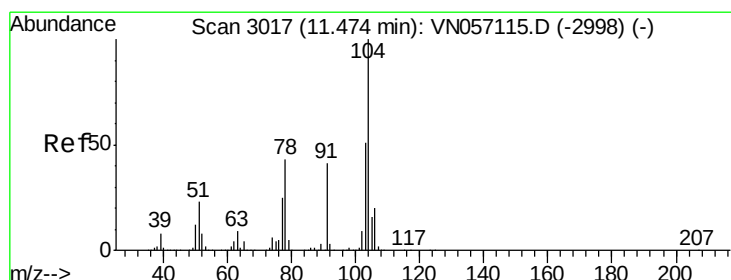
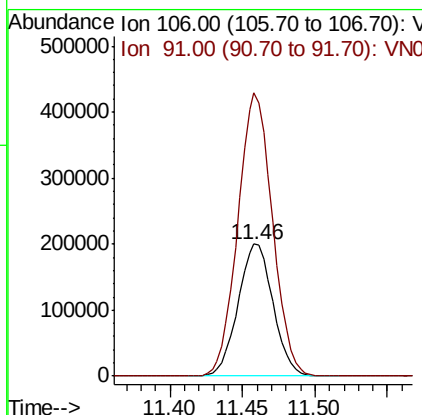
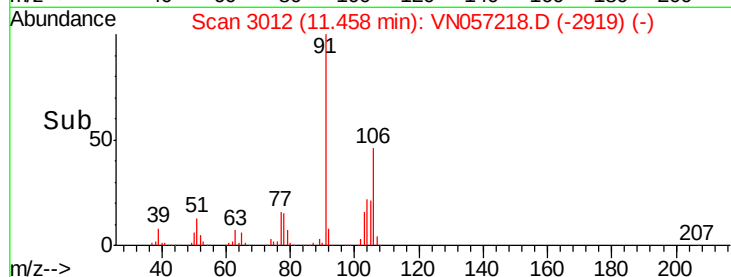
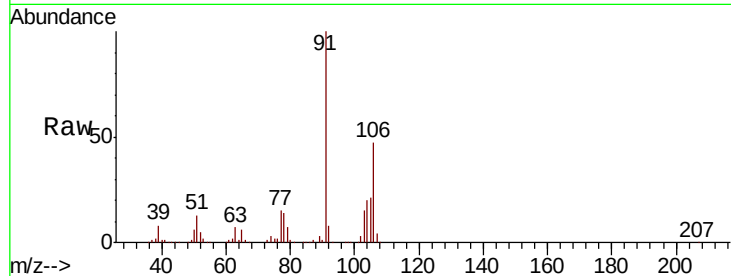




#69
o-Xylene
Concen: 19.757 ug/l
RT: 11.46 min Scan# 3012
Delta R.T. -0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

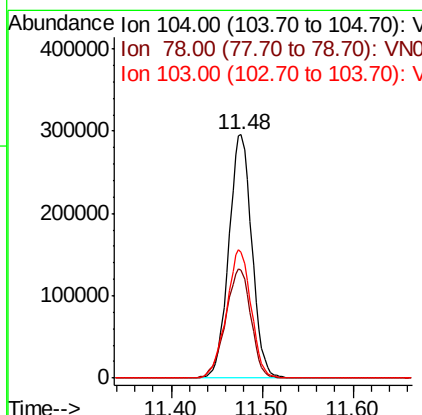
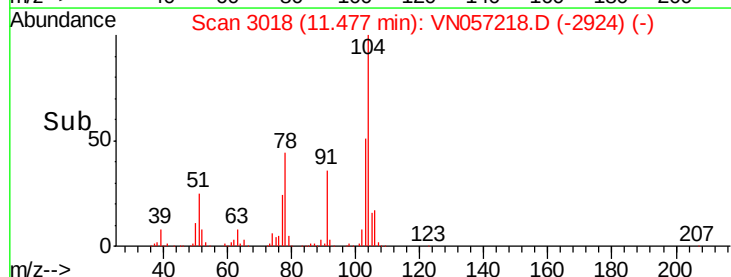
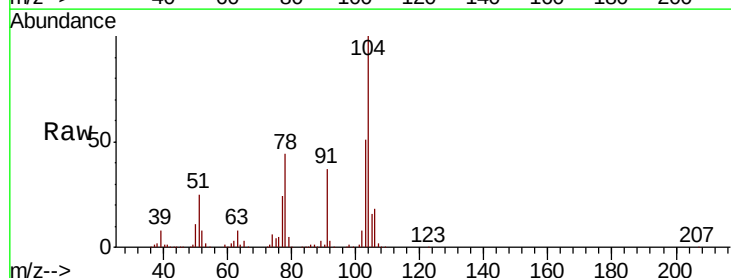
Instrument :
MSVOA_N
ClientSampleId :
VN0812WBSD02

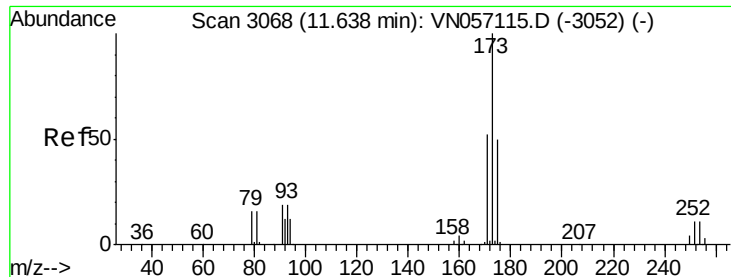
Tgt Ion:106 Resp: 335778
Ion Ratio Lower Upper
106 100
91 211.8 106.8 320.5



#70
Styrene
Concen: 19.610 ug/l
RT: 11.48 min Scan# 3018
Delta R.T. 0.00 min
Lab File: VN057218.D
Acq: 12 Aug 2019 16:26

Tgt Ion:104 Resp: 520581
Ion Ratio Lower Upper
104 100
78 49.2 38.5 57.7
103 56.3 44.6 66.8





#71

Bromoform

Concen: 21.486 ug/l

RT: 11.64 min Scan# 3068

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

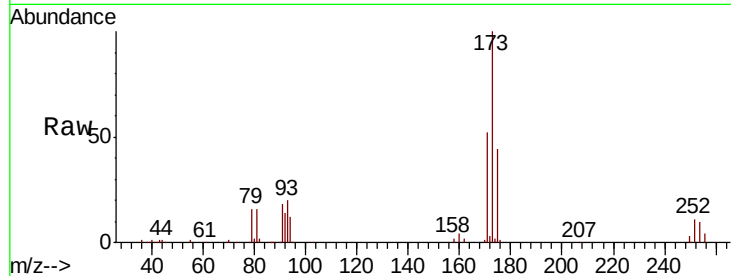
Tgt Ion:173 Resp: 158476

Ion Ratio Lower Upper

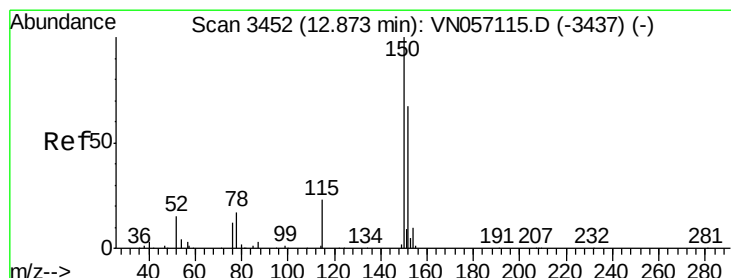
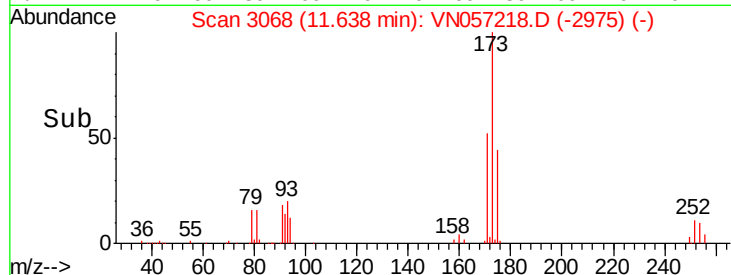
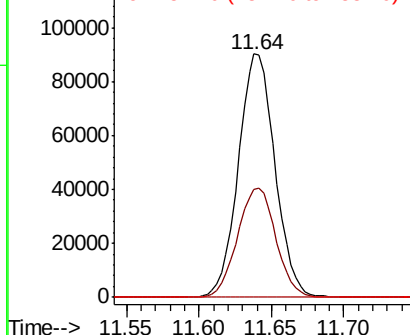
173 100

175 46.9 24.6 73.8

254 0.0 0.1 0.1#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.88 min Scan# 3453

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

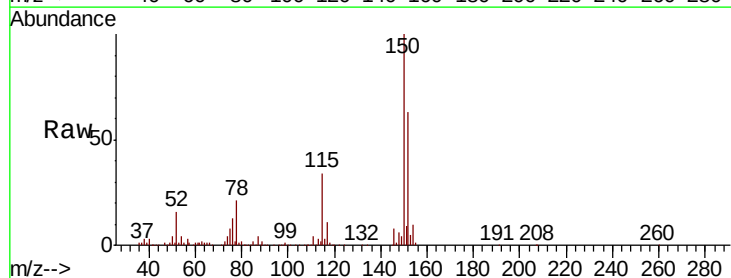
Tgt Ion:152 Resp: 475778

Ion Ratio Lower Upper

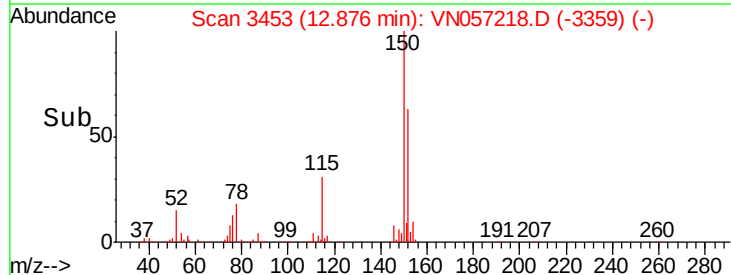
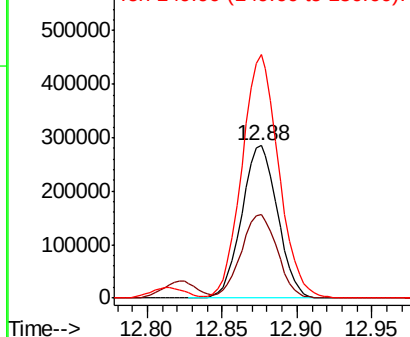
152 100

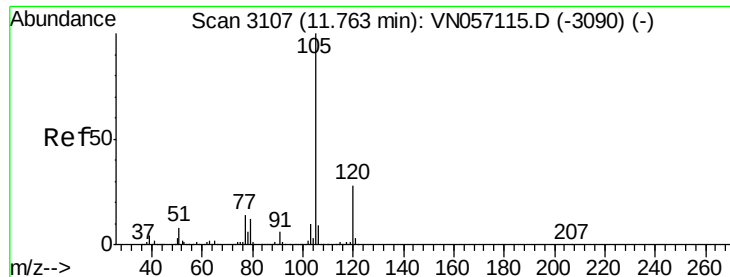
115 55.1 27.5 82.5

150 163.2 0.0 341.6



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





#73

Isopropylbenzene

Concen: 21.573 ug/l

RT: 11.77 min Scan# 3108

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

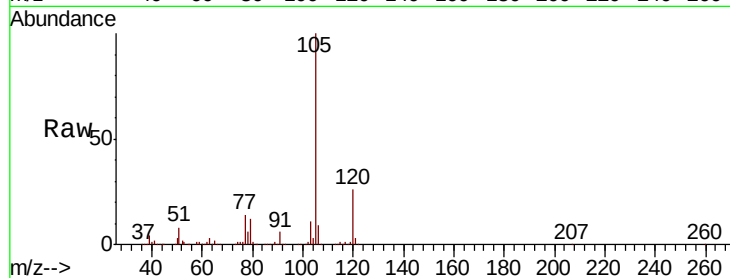
VN0812WBSD02

Tgt Ion:105 Resp: 894128

Ion Ratio Lower Upper

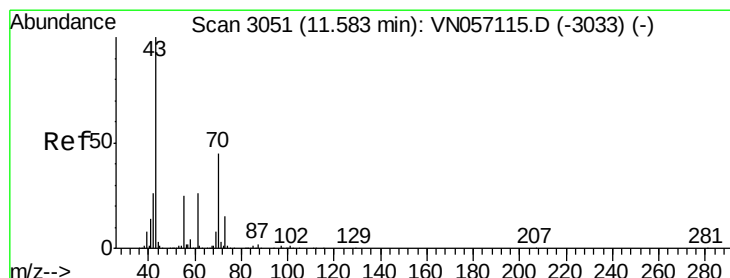
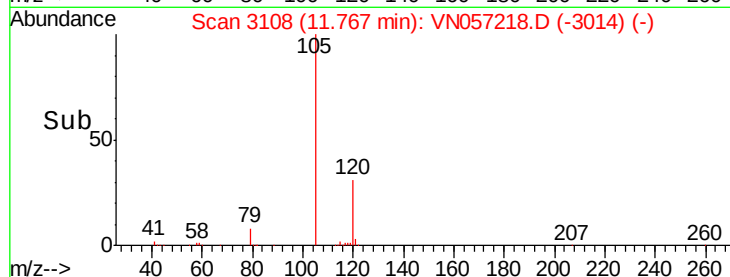
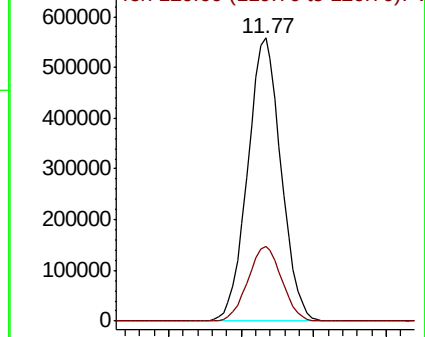
105 100

120 26.8 13.7 41.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.676 ug/l

RT: 11.59 min Scan# 3052

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Tgt Ion: 43 Resp: 249289

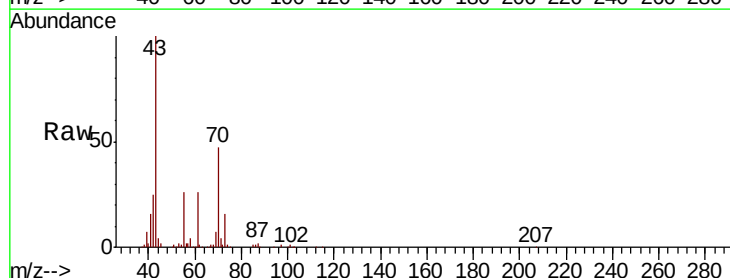
Ion Ratio Lower Upper

43 100

70 46.3 36.8 55.2

55 26.4 20.6 31.0

61 26.0 21.0 31.4

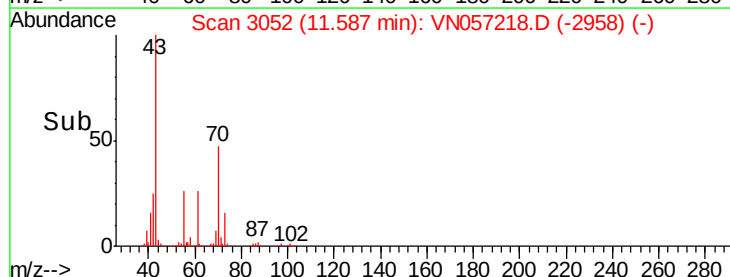
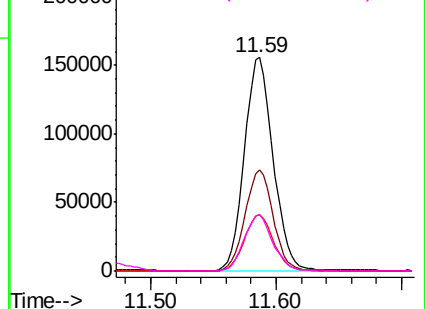


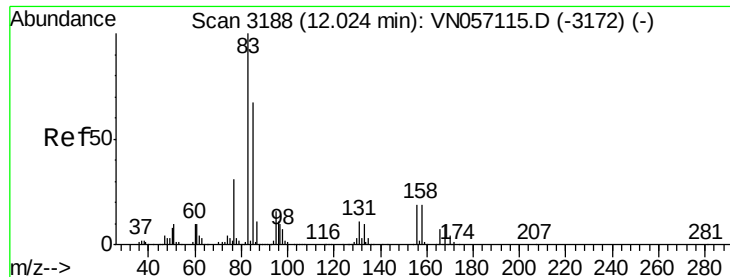
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 22.812 ug/l

RT: 12.02 min Scan# 3188

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

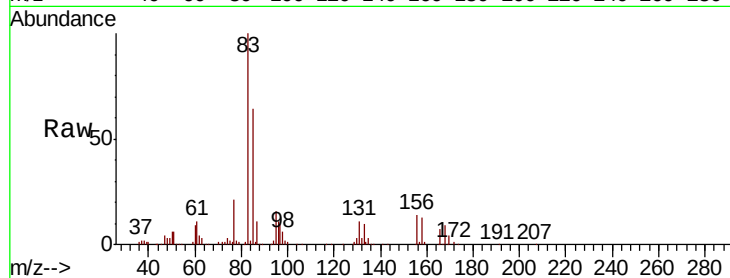
Tgt Ion: 83 Resp: 260480

Ion	Ratio	Lower	Upper
83	100		
131	11.3	5.5	16.4
85	63.9	32.4	97.0

83 100

131 11.3 5.5 16.4

85 63.9 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0

12.02

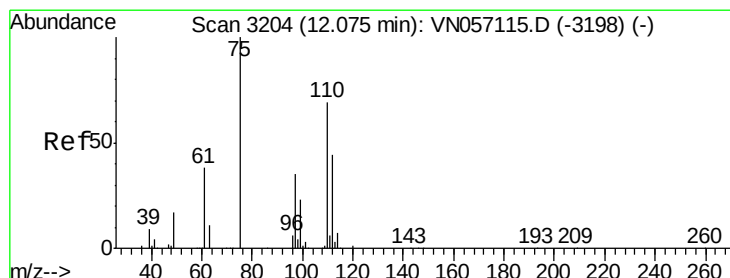
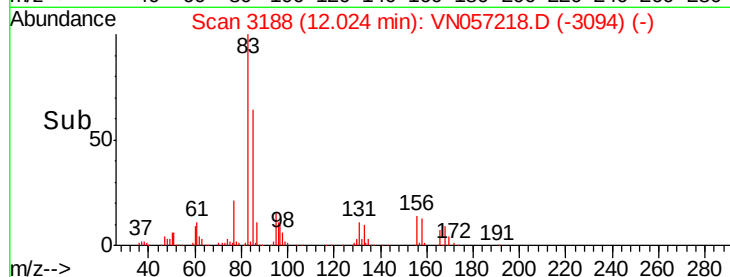
150000

100000

50000

0

Time--> 11.95 12.00 12.05



#76

1,2,3-Trichloropropane

Concen: 32.112 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.00 min

Lab File: VN057218.D

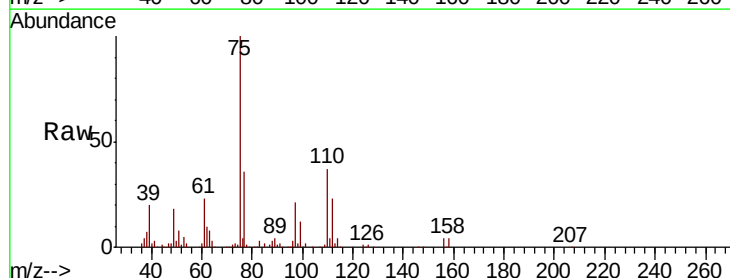
Acq: 12 Aug 2019 16:26

Tgt Ion: 75 Resp: 308046

Ion	Ratio	Lower	Upper
75	100		
77	0.0	0.0	0.0

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.08

200000

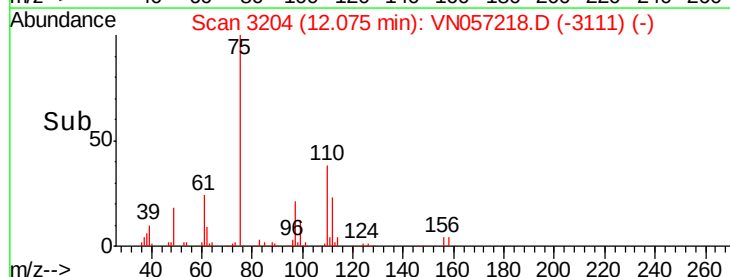
150000

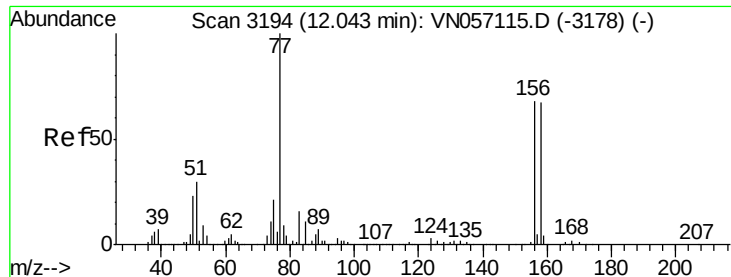
100000

50000

0

Time--> 12.00 12.10 12.20





#77

Bromobenzene

Concen: 20.329 ug/l

RT: 12.05 min Scan# 3195

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

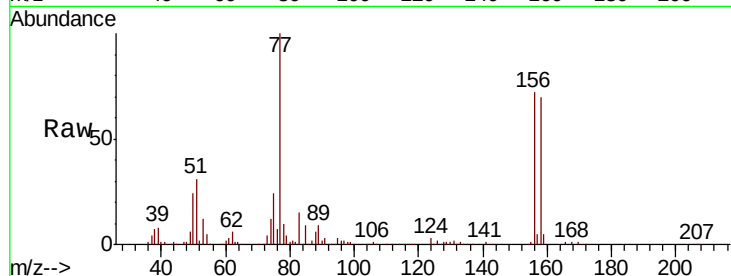
Tgt Ion:156 Resp: 232475

Ion Ratio Lower Upper

156 100

77 175.0 88.7 266.1

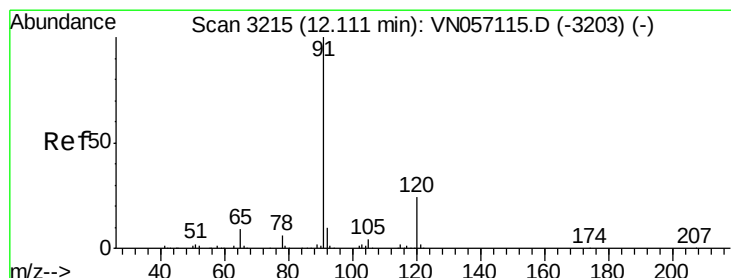
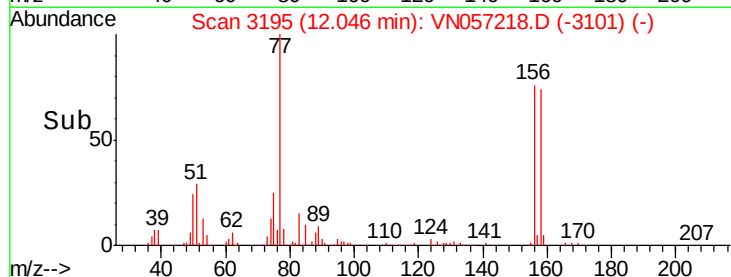
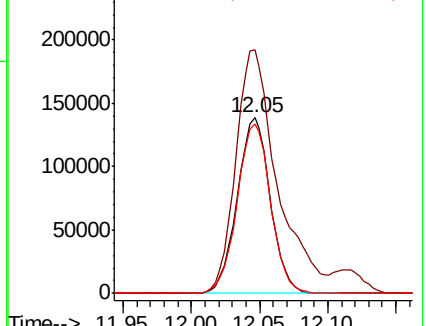
158 97.8 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.193 ug/l

RT: 12.11 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VN057218.D

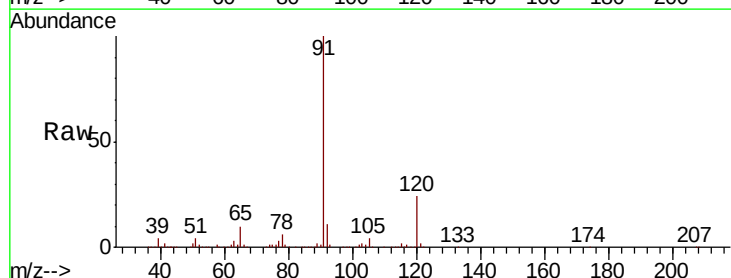
Acq: 12 Aug 2019 16:26

Tgt Ion: 91 Resp: 876038

Ion Ratio Lower Upper

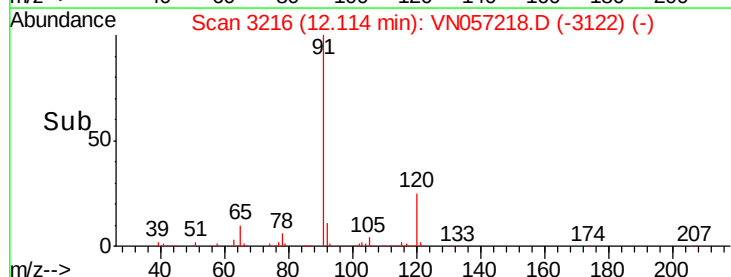
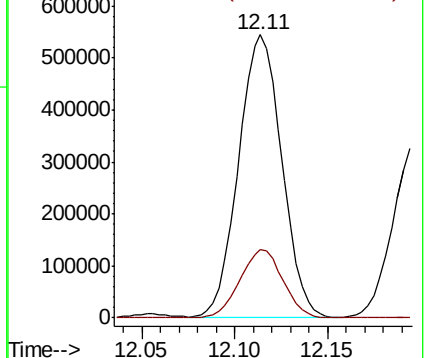
91 100

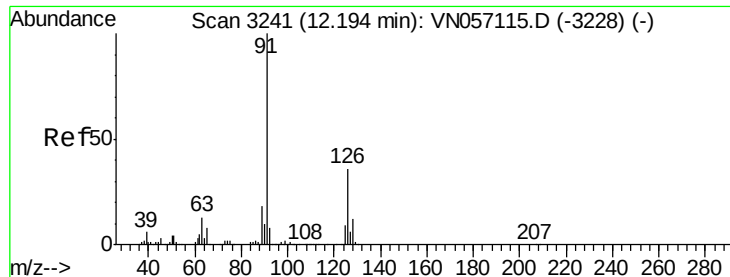
120 24.2 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 20.890 ug/l

RT: 12.20 min Scan# 3242

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

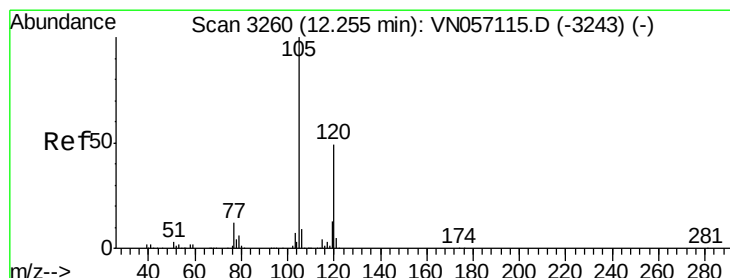
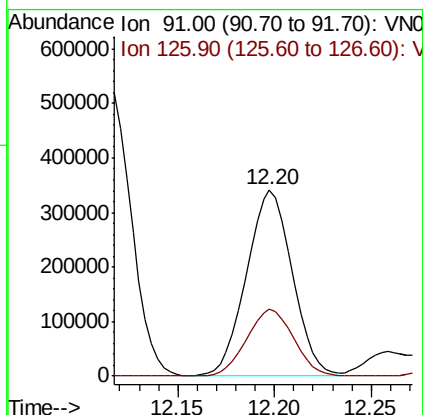
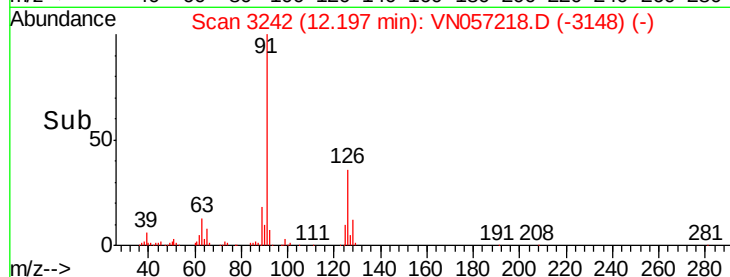
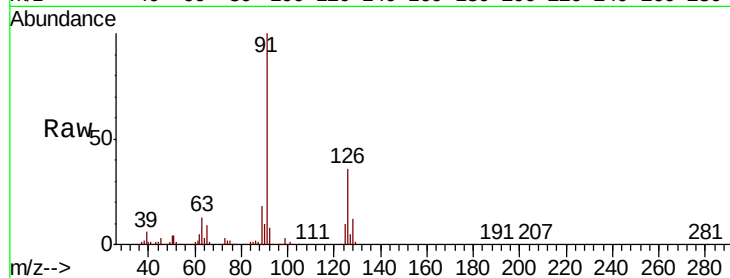
VN0812WBSD02

Tgt Ion: 91 Resp: 560046

Ion Ratio Lower Upper

91 100

126 36.9 18.1 54.3



#80

1,3,5-Trimethylbenzene

Concen: 20.070 ug/l

RT: 12.26 min Scan# 3261

Delta R.T. 0.00 min

Lab File: VN057218.D

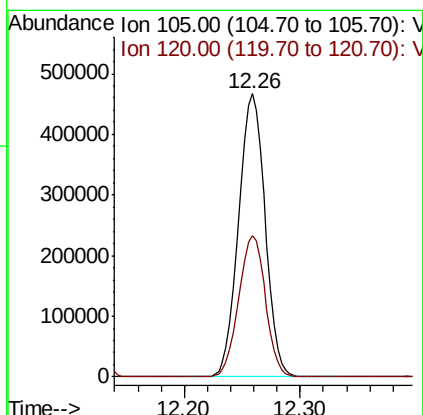
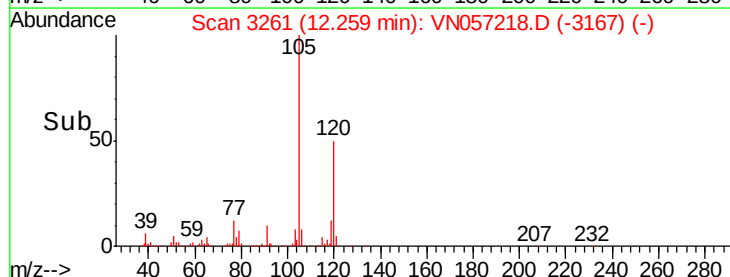
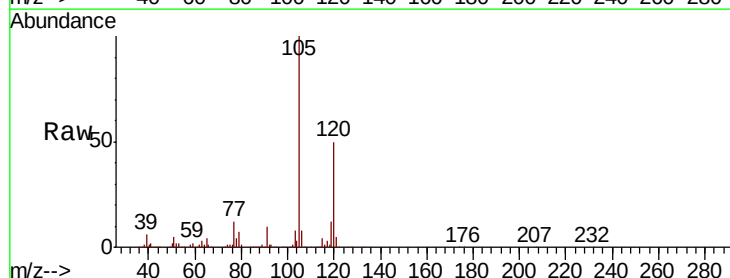
Acq: 12 Aug 2019 16:26

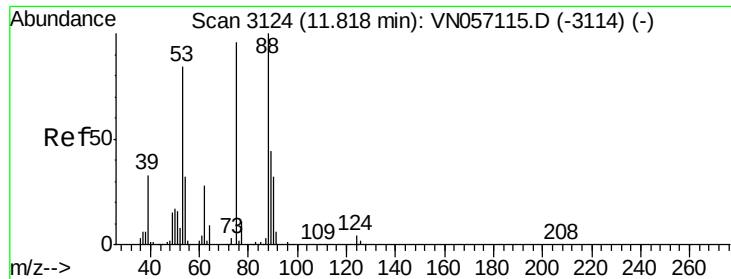
Tgt Ion: 105 Resp: 737214

Ion Ratio Lower Upper

105 100

120 50.5 24.6 73.6





#81

trans-1,4-Dichloro-2-butene

Concen: 21.755 ug/l

RT: 11.82 min Scan# 3124

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

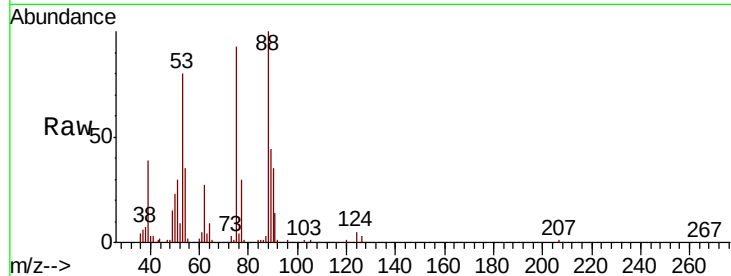
Tgt Ion: 75 Resp: 70395

Ion Ratio Lower Upper

75 100

53 88.6 70.6 106.0

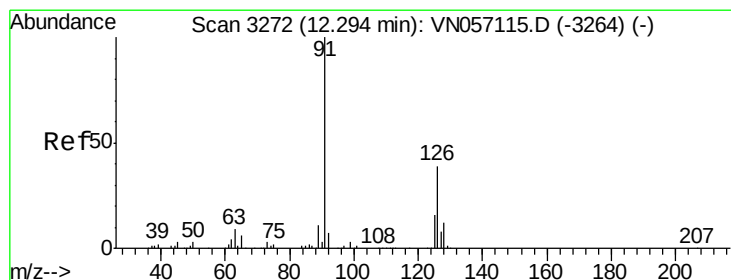
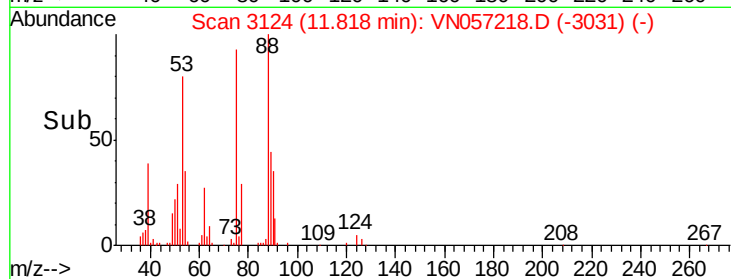
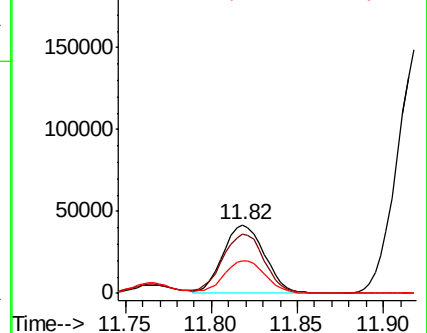
89 47.5 36.4 54.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.331 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN057218.D

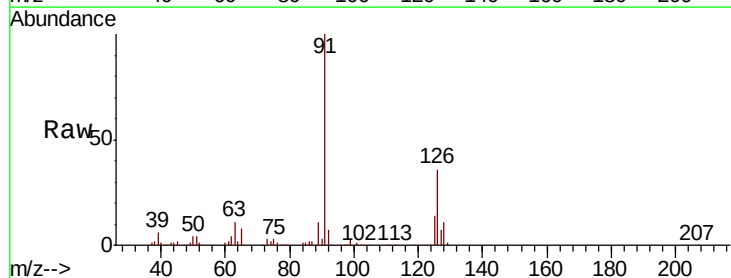
Acq: 12 Aug 2019 16:26

Tgt Ion: 91 Resp: 510880

Ion Ratio Lower Upper

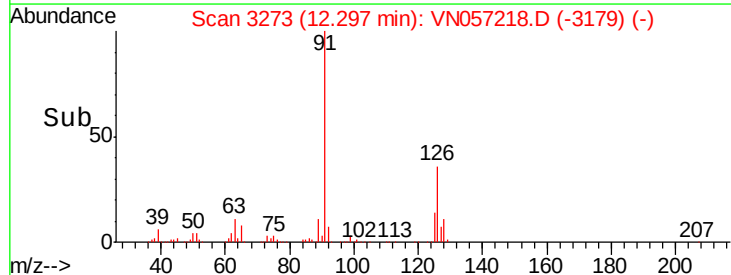
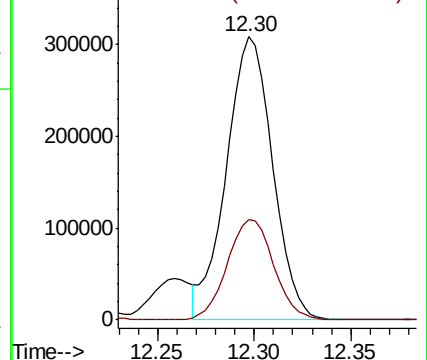
91 100

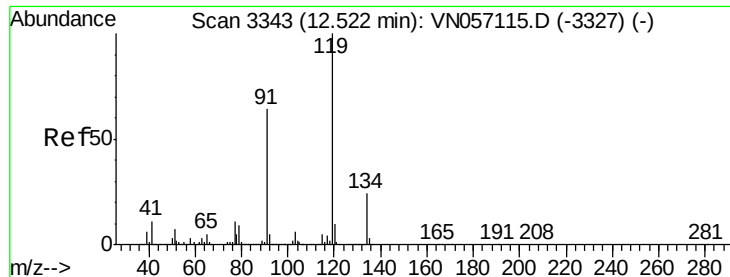
126 35.9 17.9 53.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

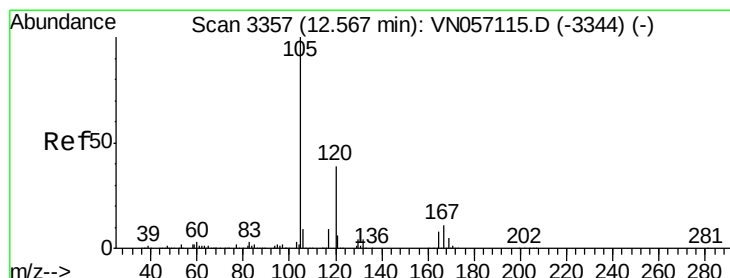
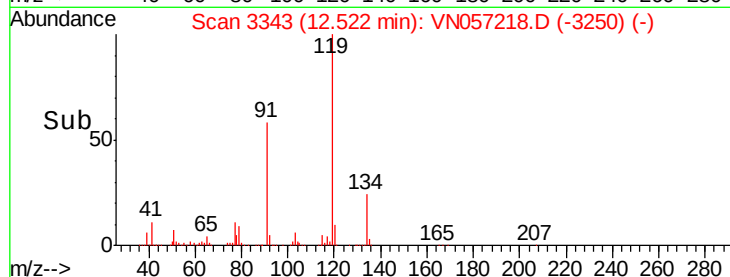
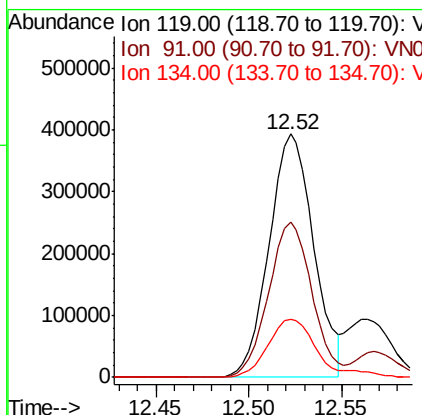
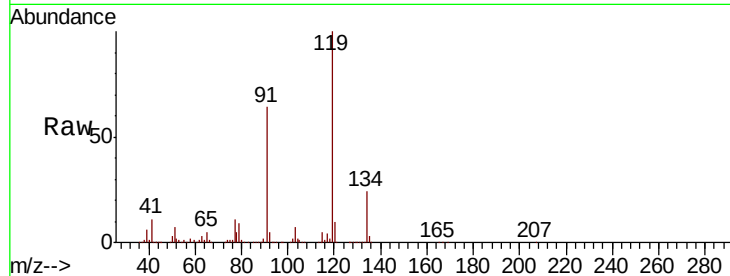




#83
 tert-Butylbenzene
 Concen: 21.570 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

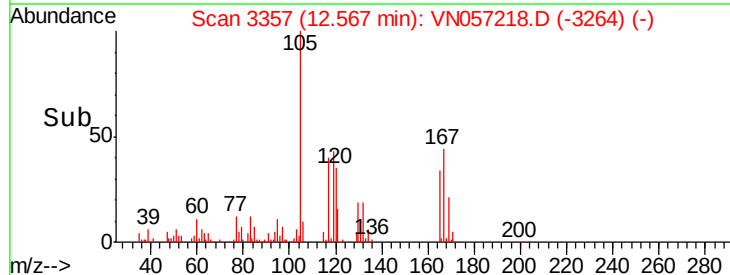
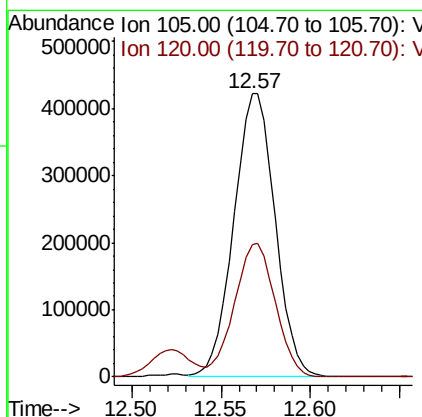
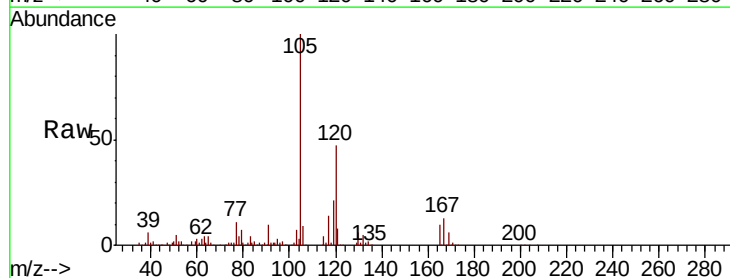
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

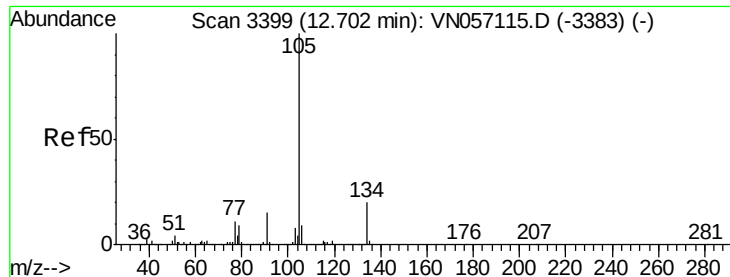
Tgt Ion:119 Resp: 658972
 Ion Ratio Lower Upper
 119 100
 91 62.3 31.4 94.2
 134 26.5 13.2 39.6



#84
 1,2,4-Trimethylbenzene
 Concen: 19.085 ug/l
 RT: 12.57 min Scan# 3357
 Delta R.T. -0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion:105 Resp: 677576
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.3 69.8





#85

sec-Butylbenzene

Concen: 18.743 ug/l

RT: 12.70 min Scan# 3399

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

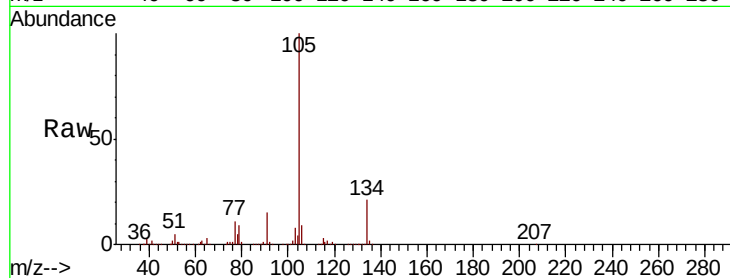
VN0812WBSD02

Tgt Ion:105 Resp: 776950

Ion Ratio Lower Upper

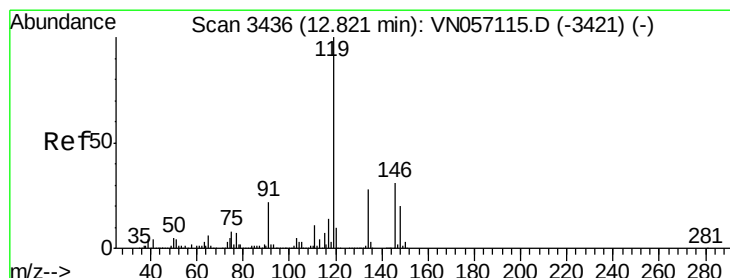
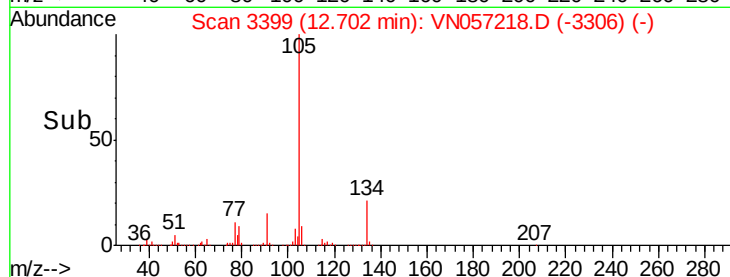
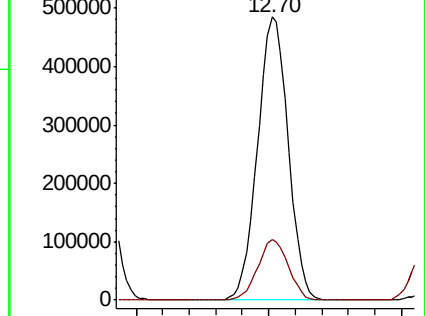
105 100

134 21.3 10.2 30.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 18.636 ug/l

RT: 12.82 min Scan# 3436

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

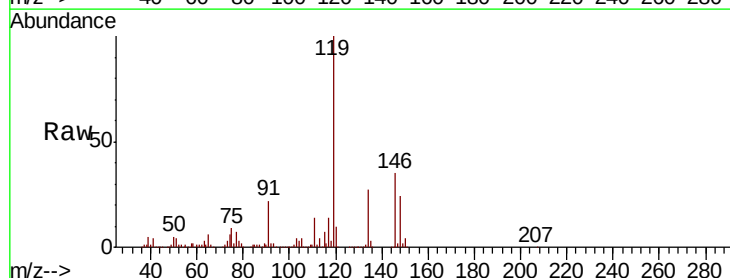
Tgt Ion:119 Resp: 677860

Ion Ratio Lower Upper

119 100

134 27.0 13.8 41.3

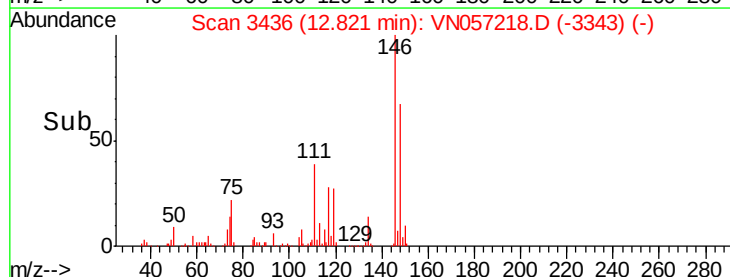
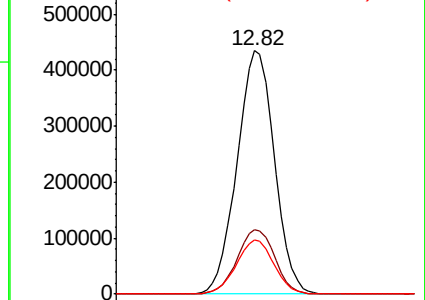
91 22.2 11.0 33.0

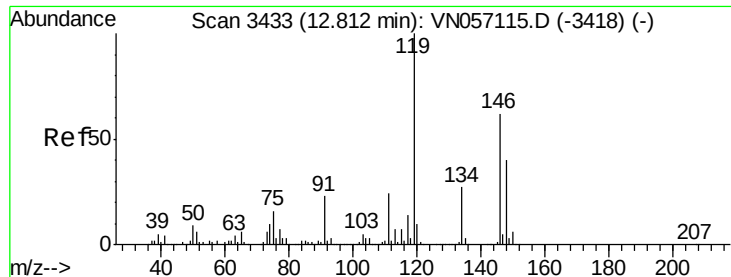


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

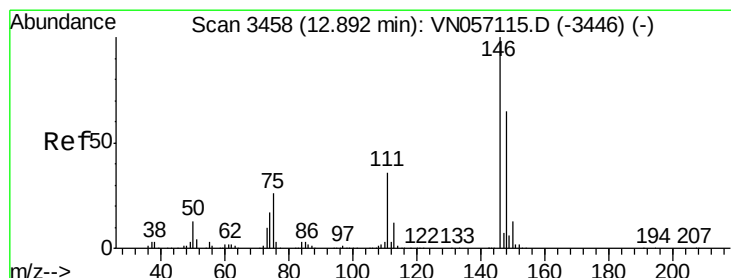
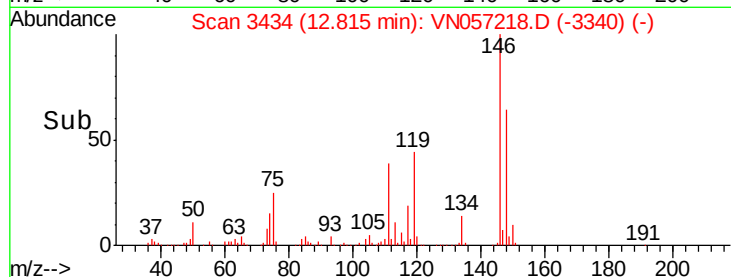
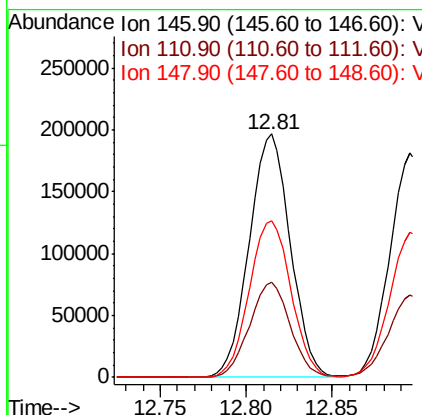
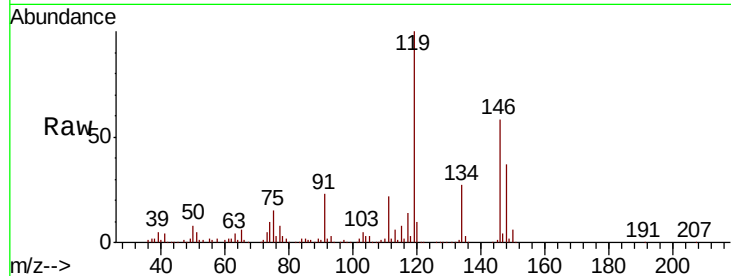




#87
 1,3-Dichlorobenzene
 Concen: 19.996 ug/l
 RT: 12.81 min Scan# 3434
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

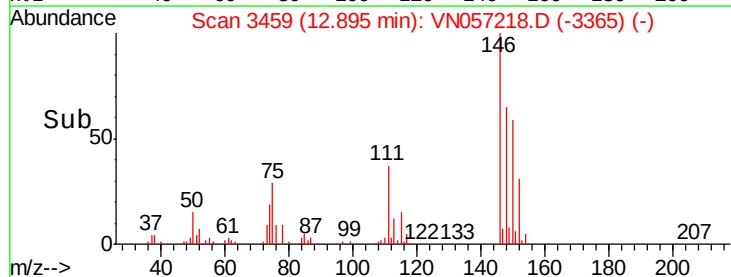
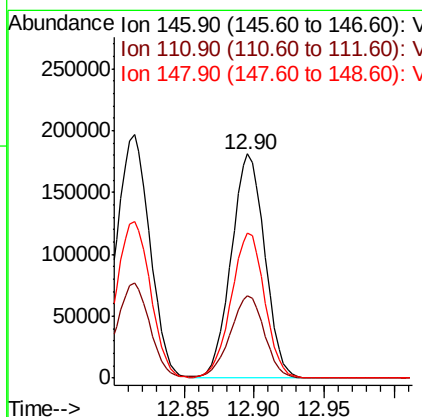
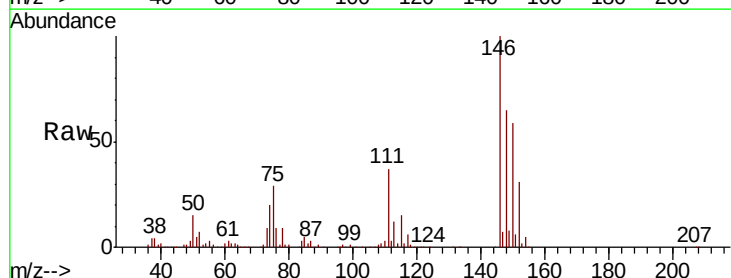
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

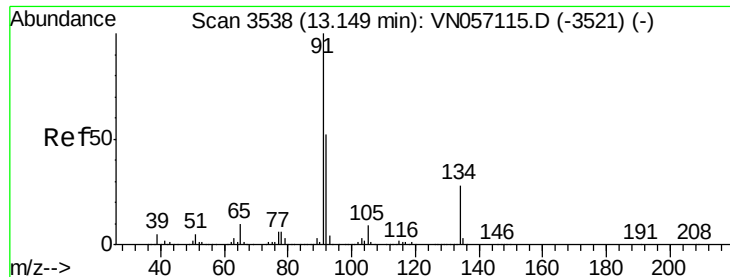
Tgt Ion:146 Resp: 325559
 Ion Ratio Lower Upper
 146 100
 111 38.6 18.8 56.4
 148 65.4 32.4 97.0



#88
 1,4-Dichlorobenzene
 Concen: 19.573 ug/l
 RT: 12.90 min Scan# 3459
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion:146 Resp: 301931
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.2 54.6
 148 64.8 32.0 96.2





#89

n-Butylbenzene

Concen: 19.584 ug/l

RT: 13.15 min Scan# 3538

Delta R.T. -0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

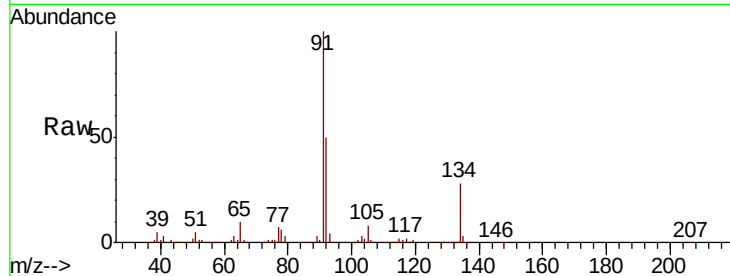
Tgt Ion: 91 Resp: 492131

Ion Ratio Lower Upper

91 100

92 51.9 26.5 79.4

134 27.9 14.1 42.3

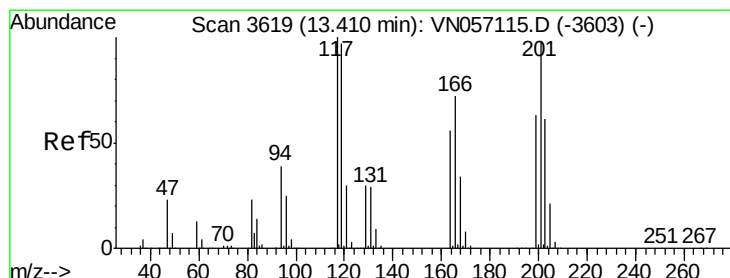
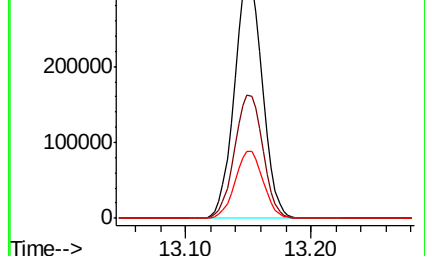
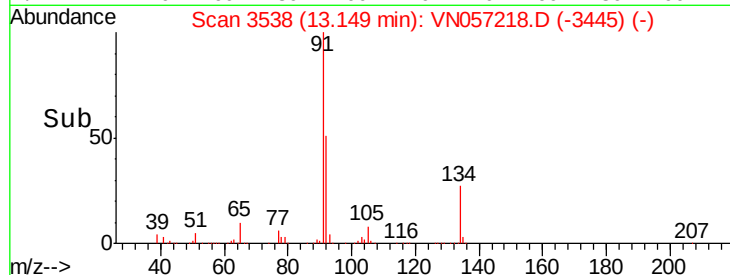


Abundance Ion 91.00 (90.70 to 91.70): VN057218.D (-3521) (-)

Ion 92.00 (91.70 to 92.70): VN057218.D (-3521) (-)

Ion 134.00 (133.70 to 134.70): VN057218.D (-3521) (-)

Time-->



#90

Hexachloroethane

Concen: 22.673 ug/l

RT: 13.41 min Scan# 3619

Delta R.T. 0.00 min

Lab File: VN057218.D

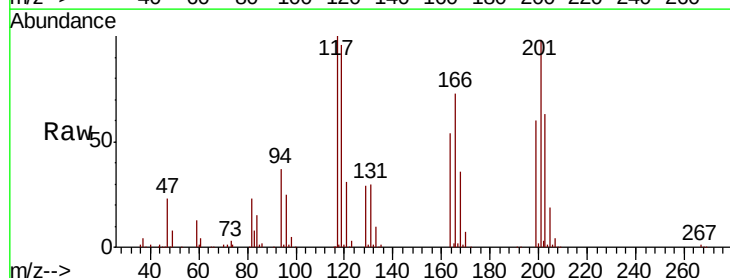
Acq: 12 Aug 2019 16:26

Tgt Ion: 117 Resp: 134128

Ion Ratio Lower Upper

117 100

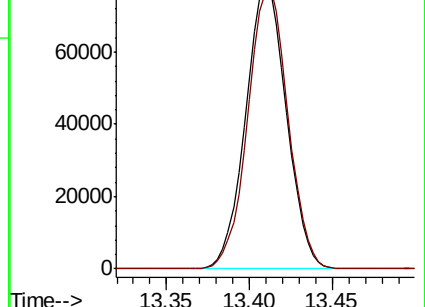
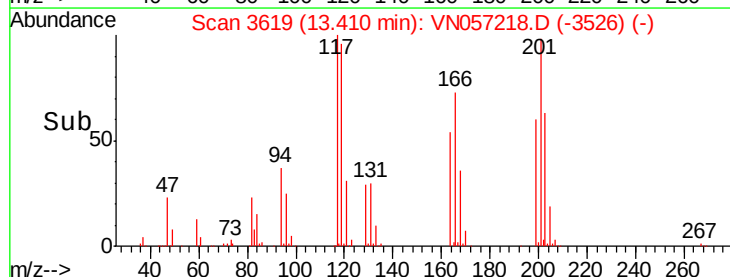
201 97.4 49.3 147.8

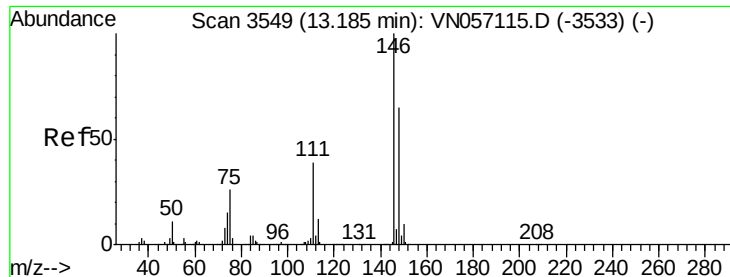


Abundance Ion 116.80 (116.50 to 117.50): VN057218.D (-3603) (-)

Ion 200.70 (200.40 to 201.40): VN057218.D (-3603) (-)

Time-->

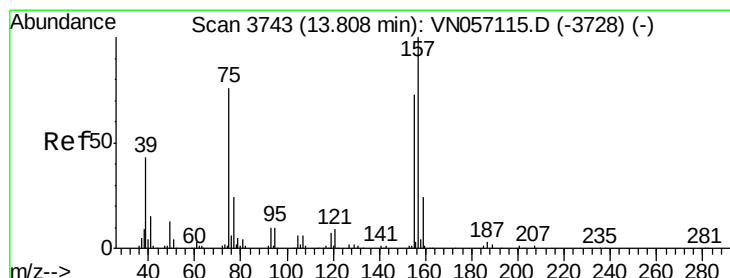
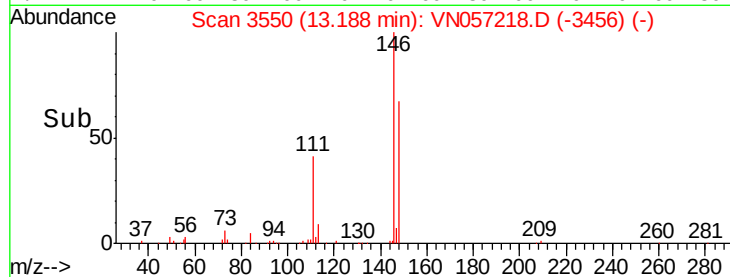
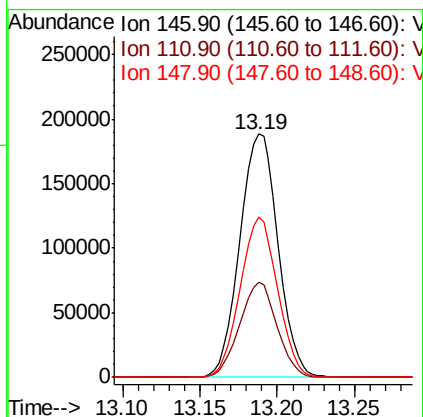
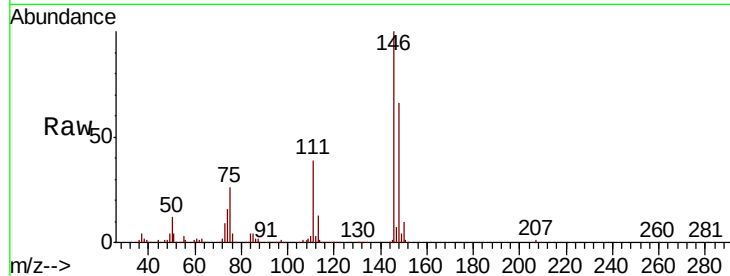




#91
 1,2-Dichlorobenzene
 Concen: 19.935 ug/l
 RT: 13.19 min Scan# 3550
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

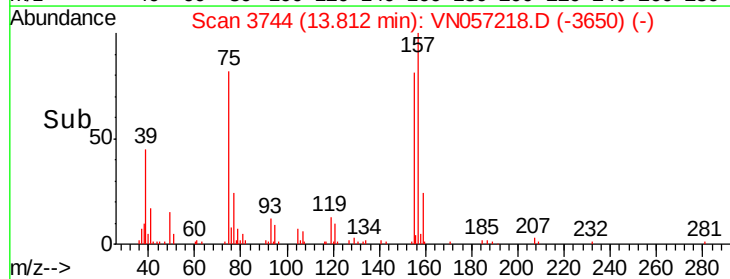
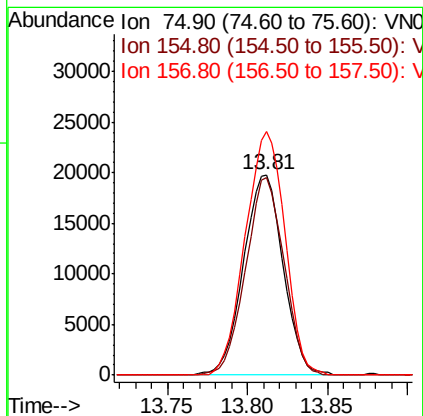
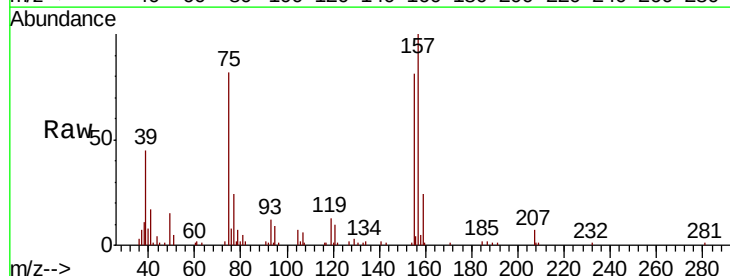
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

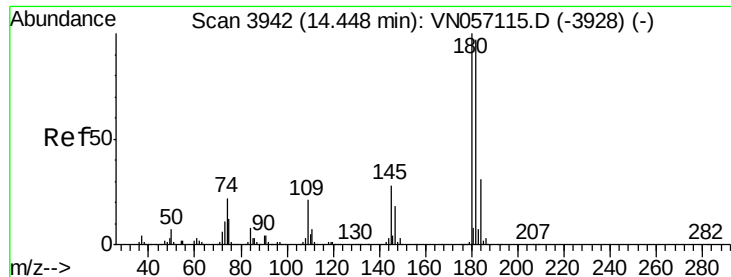
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	19.2	57.6
148	64.4	32.4	97.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 20.080 ug/l
 RT: 13.81 min Scan# 3744
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion	Ratio	Lower	Upper
75	100		
155	95.5	49.3	147.9
157	121.7	65.3	195.8

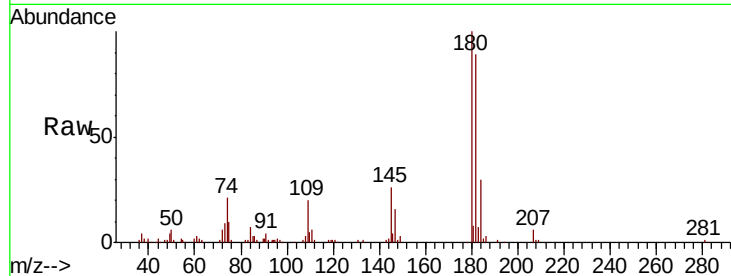




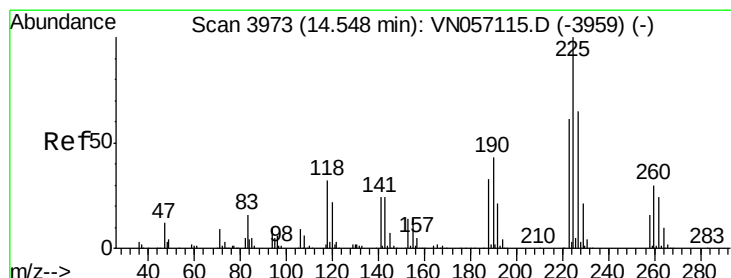
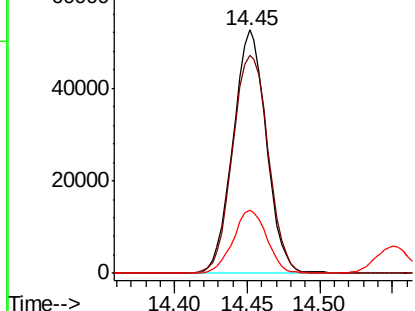
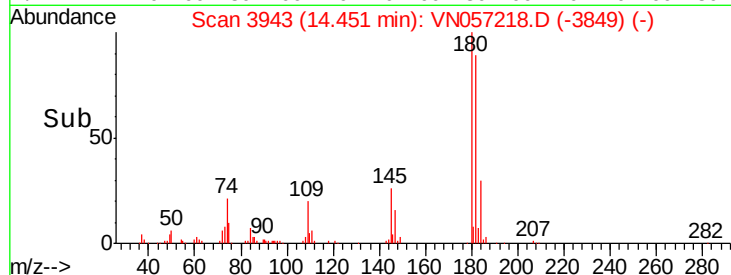
#93
 1,2,4-Trichlorobenzene
 Concen: 16.699 ug/l
 RT: 14.45 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0812WBSD02

Tgt Ion:180 Resp: 84246
 Ion Ratio Lower Upper
 180 100
 182 95.7 47.5 142.6
 145 26.4 14.1 42.2

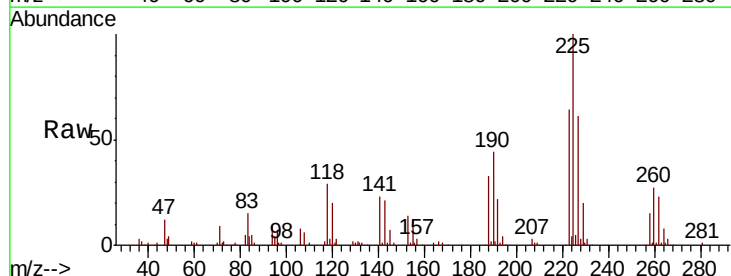


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

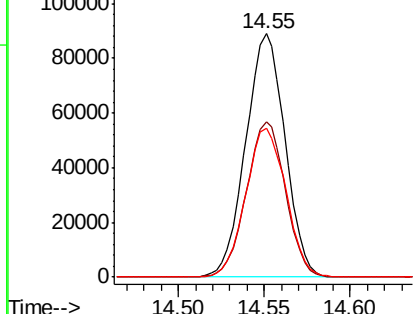
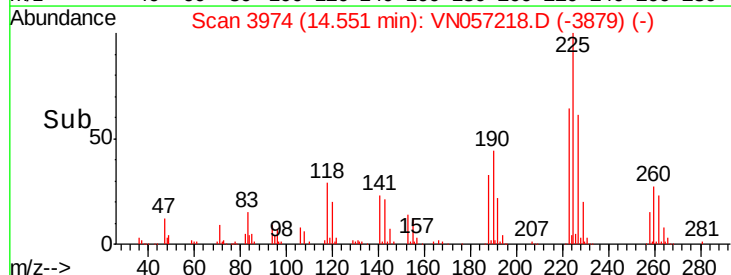


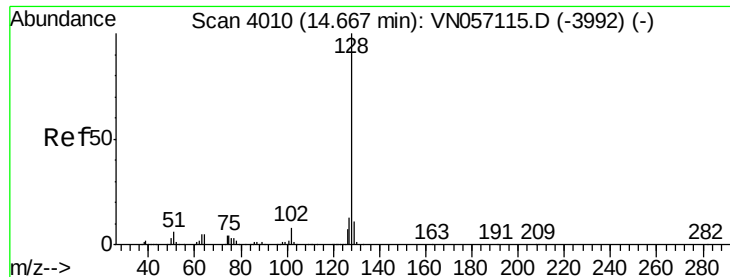
#94
 Hexachlorobutadiene
 Concen: 22.738 ug/l
 RT: 14.55 min Scan# 3974
 Delta R.T. 0.00 min
 Lab File: VN057218.D
 Acq: 12 Aug 2019 16:26

Tgt Ion:225 Resp: 140668
 Ion Ratio Lower Upper
 225 100
 223 63.5 30.9 92.8
 227 62.8 32.4 97.0



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





#95

Naphthalene

Concen: 15.642 ug/l

RT: 14.67 min Scan# 4010

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

Instrument :

MSVOA_N

ClientSampleId :

VN0812WBSD02

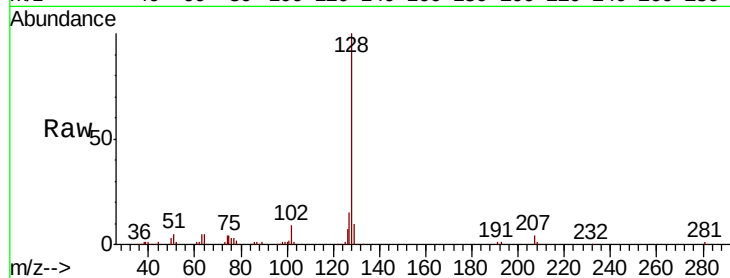
Tgt Ion:128 Resp: 165350

Ion Ratio Lower Upper

128 100

127 13.8 10.3 15.5

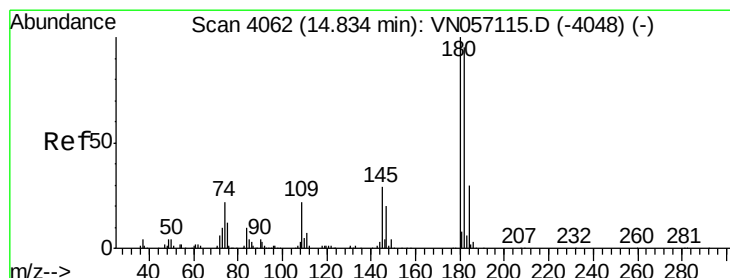
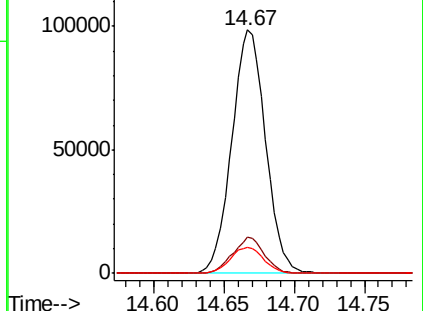
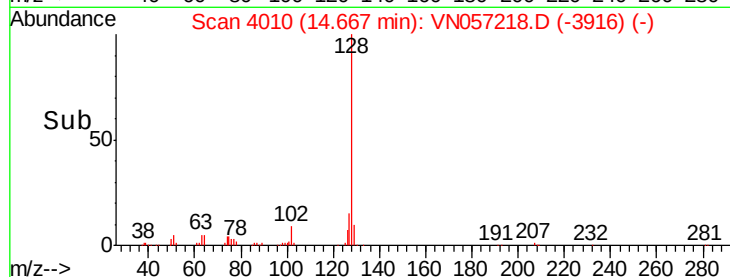
129 10.5 8.8 13.2



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: 16.284 ug/l

RT: 14.84 min Scan# 4063

Delta R.T. 0.00 min

Lab File: VN057218.D

Acq: 12 Aug 2019 16:26

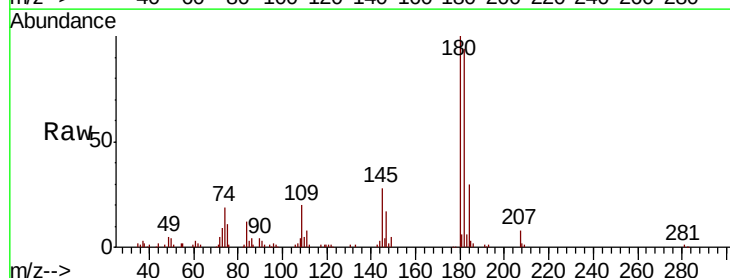
Tgt Ion:180 Resp: 85061

Ion Ratio Lower Upper

180 100

182 97.0 48.3 144.8

145 29.4 14.9 44.5



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

