

Data File : VN057387.D
Acq On : 19 Aug 2019 9:52
Operator : JC/SP
Sample : VN0819WBS01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Quant Time: Aug 20 07:07:40 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N081519W.M
Quant Title : SW846 8260
QLast Update : Thu Aug 15 11:33:14 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	902335	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1278045	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	1139358	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	423671	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	414031	42.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.42%	
35) Dibromofluoromethane	7.58	113	388335	46.35	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.70%	
50) Toluene-d8	10.08	98	1444477	47.14	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.28%	
62) 4-Bromofluorobenzene	12.40	95	461010	42.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	85.14%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	119640	15.408	ug/l	98
3) Chloromethane	2.05	50	134655	14.693	ug/l	98
4) Vinyl Chloride	2.18	62	131933	15.302	ug/l	100
5) Bromomethane	2.55	94	106035	17.252	ug/l	100
6) Chloroethane	2.70	64	95396	16.085	ug/l	99
7) Trichlorofluoromethane	3.02	101	225714	16.689	ug/l	99
8) Diethyl Ether	3.40	74	82175	16.143	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.75	101	137823	17.345	ug/l	96
10) Methyl Iodide	3.95	142	212073	16.697	ug/l	99
11) Tert butyl alcohol	4.75	59	104660	75.050	ug/l #	89
12) 1,1-Dichloroethene	3.73	96	132513	16.738	ug/l	98
13) Acrolein	3.60	56	46833	55.320	ug/l	99
14) Allyl chloride	4.31	41	196867	15.513	ug/l	98
15) Acrylonitrile	4.97	53	300641	79.407	ug/l	98
16) Acetone	3.80	43	303231	89.111	ug/l	97
17) Carbon Disulfide	4.05	76	341280	16.001	ug/l	100
18) Methyl Acetate	4.31	43	156370	15.530	ug/l	99
19) Methyl tert-butyl Ether	5.02	73	410104	16.509	ug/l	99
20) Methylene Chloride	4.54	84	156515	16.439	ug/l	95
21) trans-1,2-Dichloroethene	5.03	96	143119	16.810	ug/l	94
22) Diisopropyl ether	5.93	45	412586	16.458	ug/l	99
23) Vinyl Acetate	5.88	43	1590062	78.809	ug/l	97
24) 1,1-Dichloroethane	5.84	63	254473	16.499	ug/l	100
25) 2-Butanone	6.82	43	394281	80.013	ug/l	93
26) 2,2-Dichloropropane	6.81	77	220278	17.672	ug/l	99
27) cis-1,2-Dichloroethene	6.82	96	168944	16.761	ug/l	99
28) Bromochloromethane	7.18	49	124911	18.227	ug/l #	93
29) Tetrahydrofuran	7.20	42	233744	74.954	ug/l	97
30) Chloroform	7.36	83	264839	16.385	ug/l	100
31) Cyclohexane	7.64	56	210527	15.751	ug/l	92
32) 1,1,1-Trichloroethane	7.56	97	236766	17.416	ug/l	99
36) 1,1-Dichloropropene	7.78	75	193596	17.156	ug/l	99
37) Ethyl Acetate	6.91	43	155092	16.781	ug/l	97
38) Carbon Tetrachloride	7.76	117	208868	17.815	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.07	83	224726	17.055	ug/l	98
40) Benzene	8.03	78	594982	17.239	ug/l	100
41) Methacrylonitrile	7.16	41	75831	18.219	ug/l #	100
42) 1,2-Dichloroethane	8.11	62	193091	16.903	ug/l	98
43) Isopropyl Acetate	8.15	43	271015	15.250	ug/l	97
44) Trichloroethene	8.83	130	178210	18.365	ug/l	91
45) 1,2-Dichloropropane	9.11	63	153500	17.254	ug/l	97
46) Dibromomethane	9.20	93	102043	17.193	ug/l	97
47) Bromodichloromethane	9.40	83	208699	17.748	ug/l	99
48) Methyl methacrylate	9.19	41	120043	15.773	ug/l	98
49) 1,4-Dioxane	9.19	88	56049	350.191	ug/l	95
51) 4-Methyl-2-Pentanone	9.98	43	750548	78.717	ug/l	98
52) Toluene	10.15	92	388151	18.068	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	221346	17.402	ug/l	99
54) cis-1,3-Dichloropropene	9.83	75	250439	17.855	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	148499	17.579	ug/l	97
56) Ethyl methacrylate	10.42	69	207922	16.866	ug/l	97
57) 1,3-Dichloropropane	10.70	76	250183	17.728	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	266438	84.658	ug/l	99
59) 2-Hexanone	10.75	43	546906	79.784	ug/l	99
60) Dibromochloromethane	10.90	129	174214	18.403	ug/l	99
61) 1,2-Dibromoethane	11.00	107	156801	17.425	ug/l	100
64) Tetrachloroethene	10.63	164	189106	19.200	ug/l	97
65) Chlorobenzene	11.43	112	426133	18.338	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	165823	18.633	ug/l	99
67) Ethyl Benzene	11.51	91	720408	17.720	ug/l	99
68) m/p-Xylenes	11.62	106	544552	36.354	ug/l	98
69) o-Xylene	11.95	106	264197	17.964	ug/l	100
70) Styrene	11.96	104	417279	17.799	ug/l	99
71) Bromoform	12.12	173	131264	18.696	ug/l #	98
73) Isopropylbenzene	12.25	105	710265	18.980	ug/l	98
74) N-amyl acetate	12.07	43	193617	15.749	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.50	83	193733	17.680	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	238759	27.793	ug/l #	100
77) Bromobenzene	12.53	156	186445	19.202	ug/l	97
78) n-propylbenzene	12.59	91	708503	17.366	ug/l	98
79) 2-Chlorotoluene	12.67	91	454647	18.915	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	579850	18.910	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.30	75	58993	16.979	ug/l	99
82) 4-Chlorotoluene	12.77	91	412205	17.050	ug/l	97
83) tert-Butylbenzene	12.99	119	534987	19.514	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	526576	17.256	ug/l	97
85) sec-Butylbenzene	13.17	105	622541	18.469	ug/l	99
86) p-Isopropyltoluene	13.29	119	540128	17.288	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	263794	17.771	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	253155	17.966	ug/l	99
89) n-Butylbenzene	13.62	91	403845	18.132	ug/l	99
90) Hexachloroethane	13.88	117	116836	20.619	ug/l	99
91) 1,2-Dichlorobenzene	13.65	146	260353	18.815	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	22902	15.159	ug/l	89

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081919\
Quantitation Report (Not Reviewed)

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Quant Title : SW846 8260
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	68435	16.398	ug/l	99
94) Hexachlorobutadiene	15.01	225	124898	20.912	ug/l	99
95) Naphthalene	15.13	128	120318	17.661	ug/l	100
96) 1,2,3-Trichlorobenzene	15.30	180	66319	19.609	ug/l	98

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

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Sample : VN0819WBS01

Misc : 5.00mL/MSVOA N/WATER

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ALS Vial      : 4      Sample Multiplier: 1
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Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

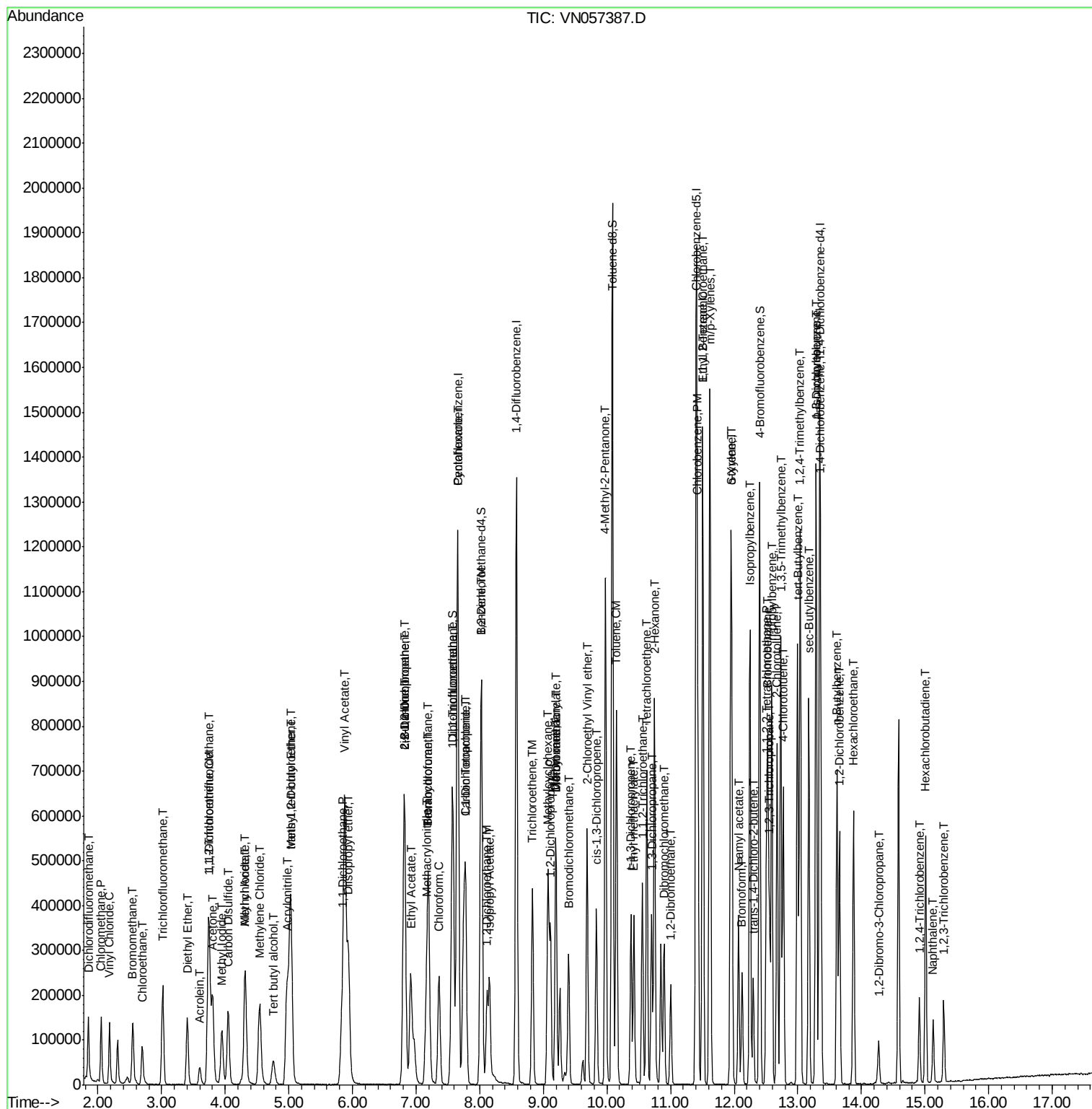
Quant Time: Aug 20 07:07:40 2019

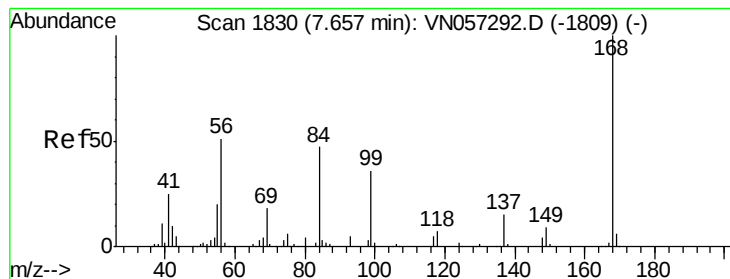
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Quant Title : SW846 8260

QLast Update : Thu Aug 15 11:33:14 2019

Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

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Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

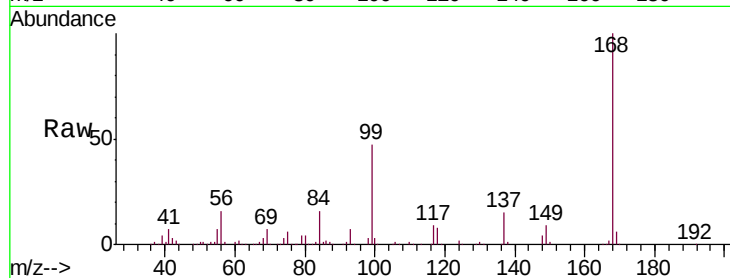
VN0819WBS01

Tgt Ion:168 Resp: 902335

Ion Ratio Lower Upper

168 100

99 47.0 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

300000

200000

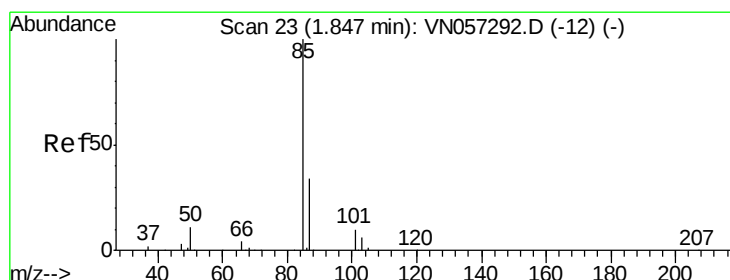
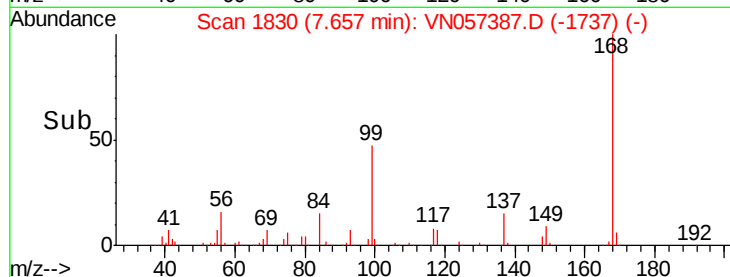
100000

0

7.60

7.70

Time-->



#2

Dichlorodifluoromethane

Concen: 15.408 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057387.D

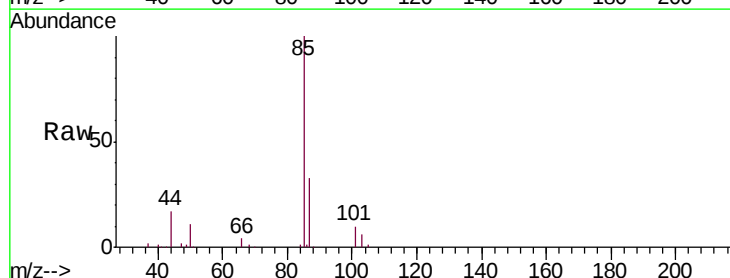
Acq: 19 Aug 2019 9:52

Tgt Ion: 85 Resp: 119640

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

80000

60000

40000

20000

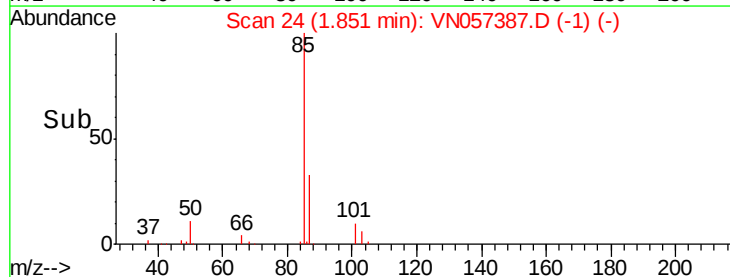
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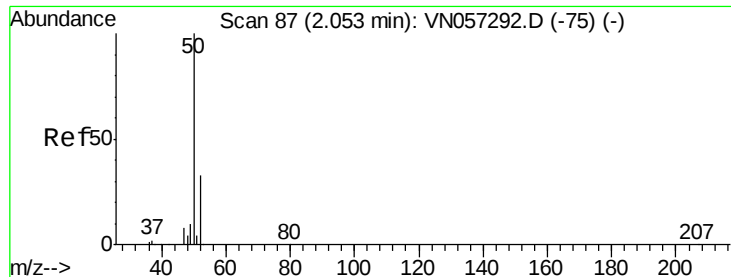
1.80

1.90

1.95

Time-->





#3

Chloromethane

Concen: 14.693 ug/l

RT: 2.05 min Scan# 86

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

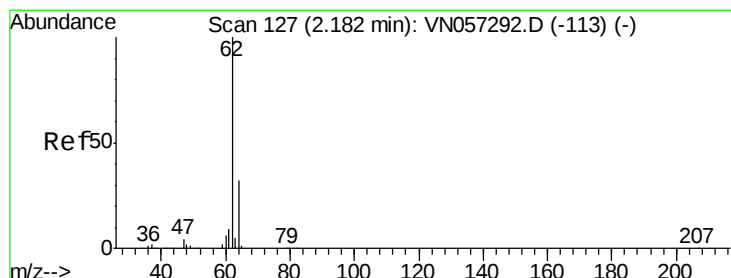
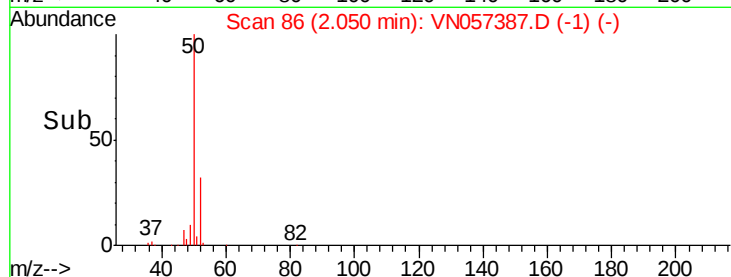
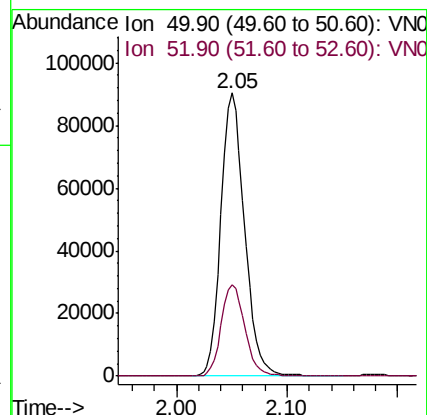
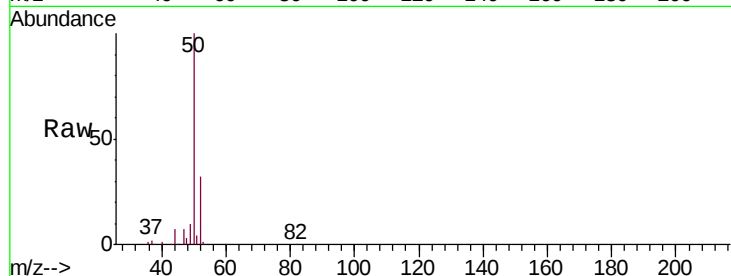
VN0819WBS01

Tgt Ion: 50 Resp: 134655

Ion Ratio Lower Upper

50 100

52 32.1 26.8 40.2



#4

Vinyl Chloride

Concen: 15.302 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057387.D

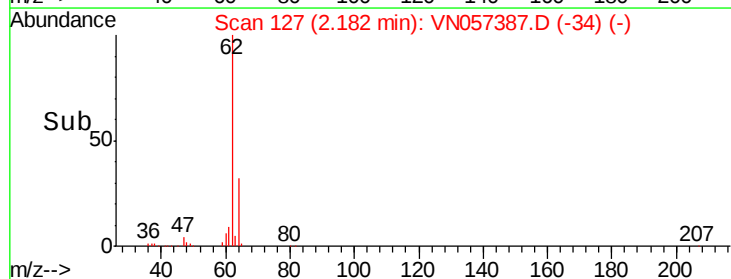
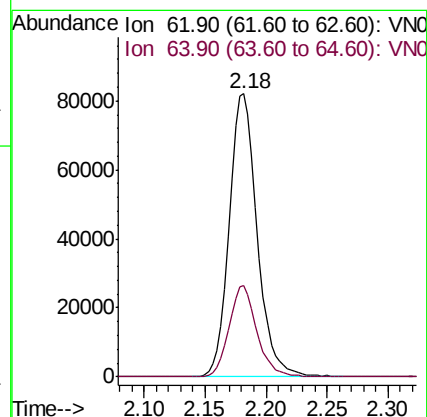
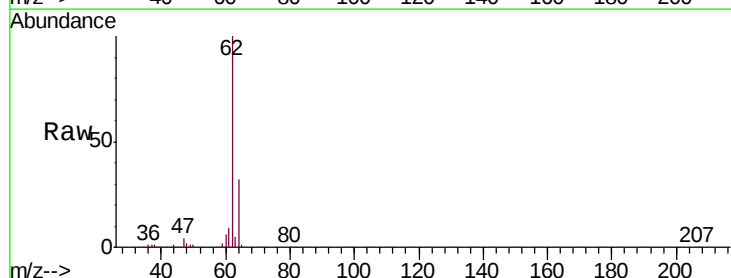
Acq: 19 Aug 2019 9:52

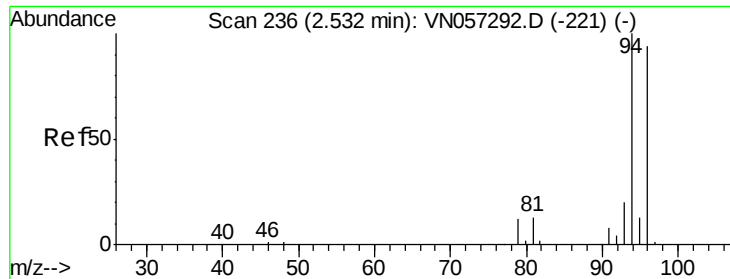
Tgt Ion: 62 Resp: 131933

Ion Ratio Lower Upper

62 100

64 32.2 25.9 38.9

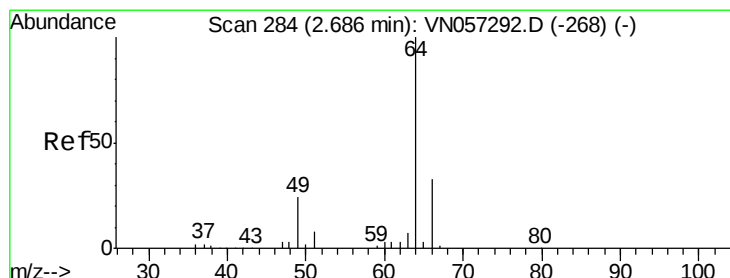
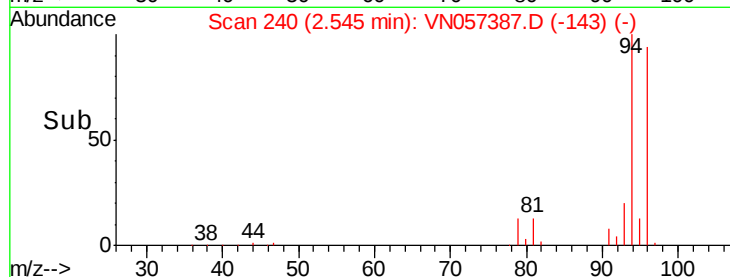
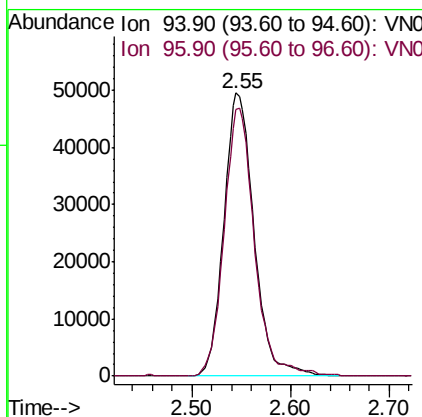
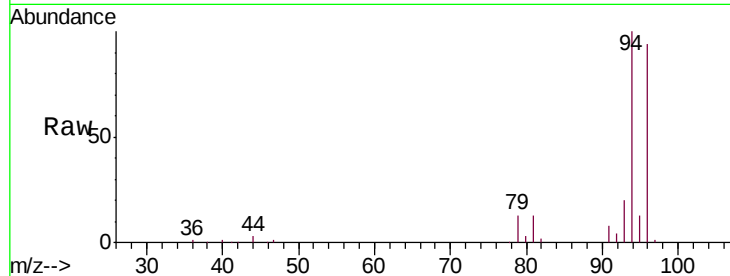




#5
Bromomethane
Concen: 17.252 ug/l
RT: 2.55 min Scan# 240
Delta R.T. 0.01 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

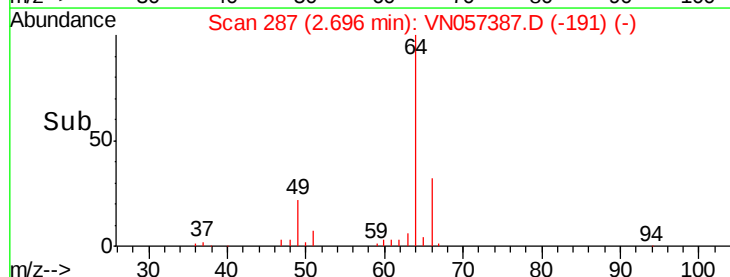
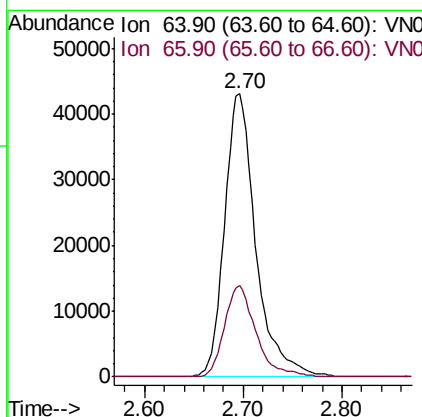
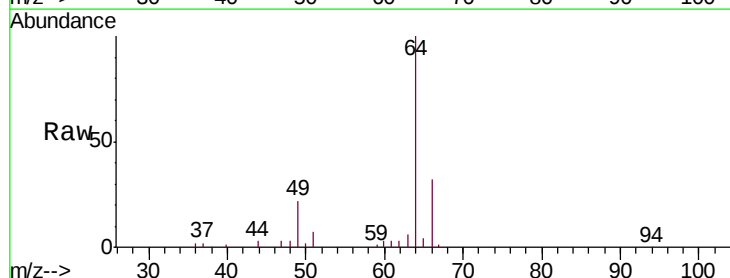
Instrument :
MSVOA_N
ClientSampled :
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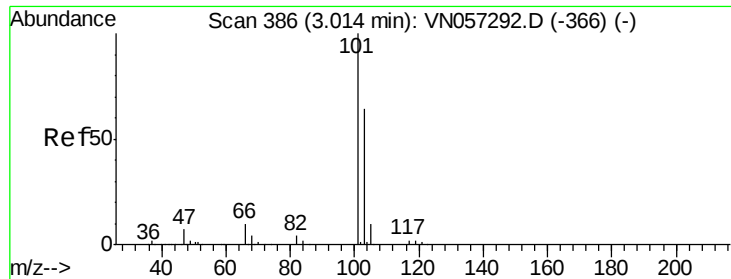
Tgt Ion: 94 Resp: 106035
Ion Ratio Lower Upper
94 100
96 94.1 75.0 112.6



#6
Chloroethane
Concen: 16.085 ug/l
RT: 2.70 min Scan# 287
Delta R.T. 0.01 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 64 Resp: 95396
Ion Ratio Lower Upper
64 100
66 32.4 26.4 39.6



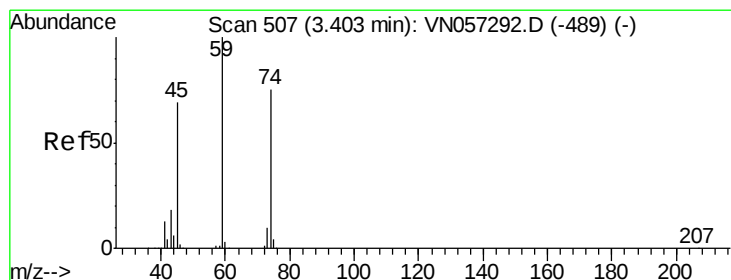
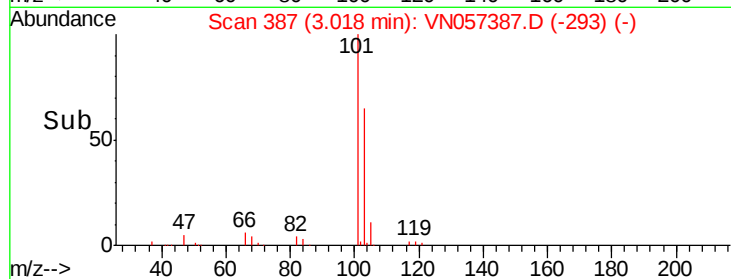
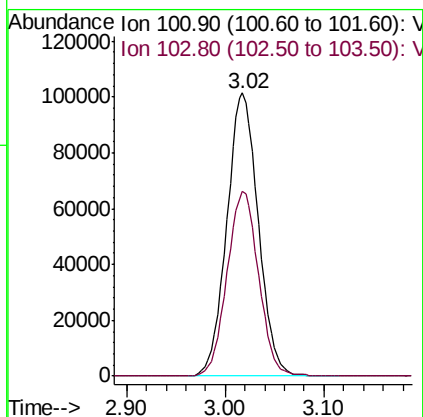
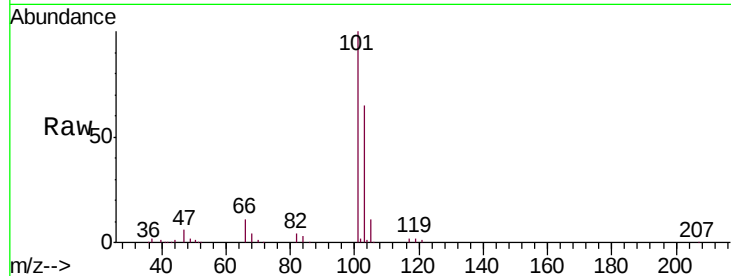


#7

Trichlorofluoromethane
 Concen: 16.689 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Instrument :
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 ClientSampleId :
 VN0819WBS01

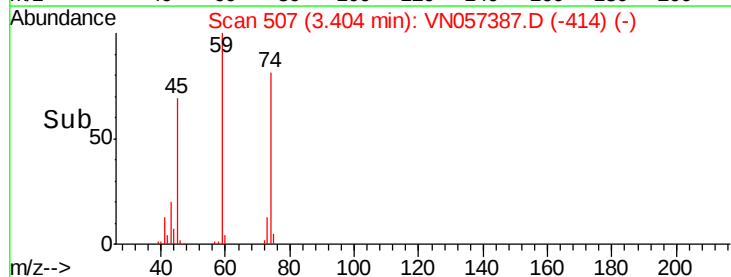
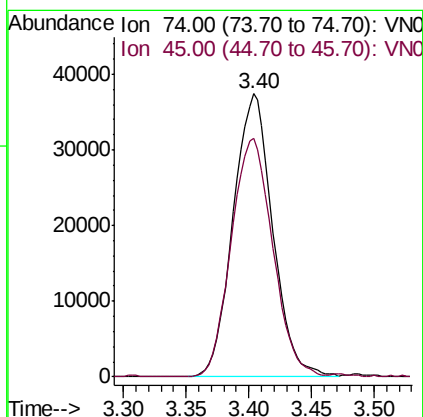
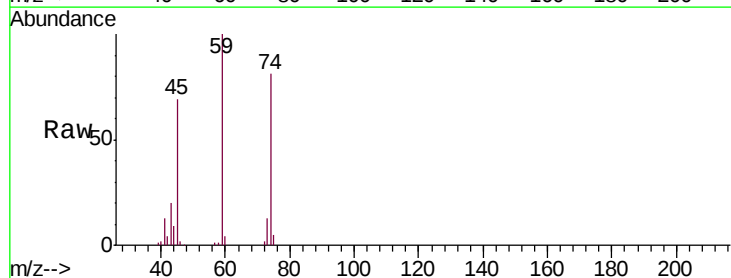
Tgt Ion: 101 Resp: 225714
 Ion Ratio Lower Upper
 101 100
 103 65.1 51.5 77.3

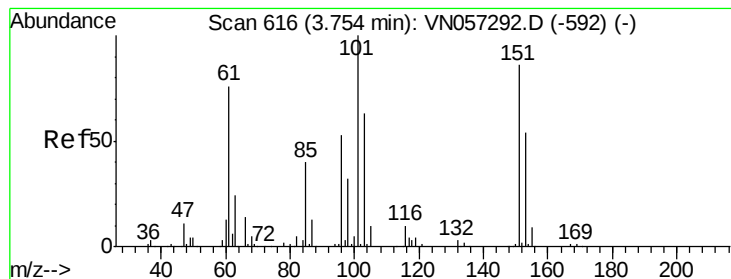


#8

Diethyl Ether
 Concen: 16.143 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion: 74 Resp: 82175
 Ion Ratio Lower Upper
 74 100
 45 88.4 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 17.345 ug/l

RT: 3.75 min Scan# 616

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

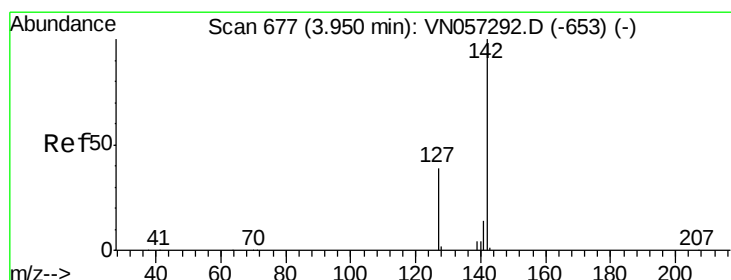
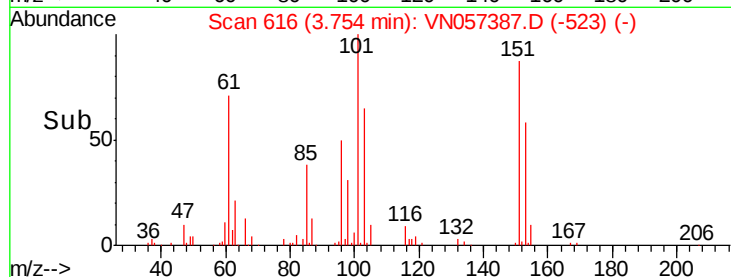
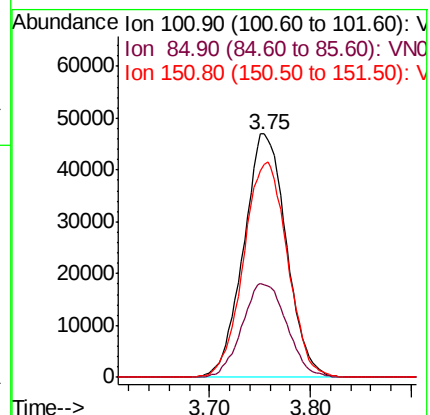
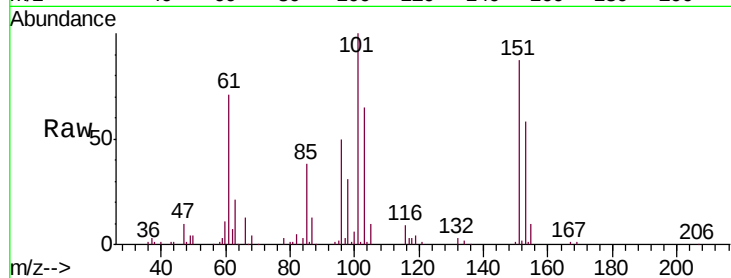
Tgt Ion:101 Resp: 137823

Ion Ratio Lower Upper

101 100

85 40.3 32.7 49.1

151 90.8 69.1 103.7



#10

Methyl Iodide

Concen: 16.697 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

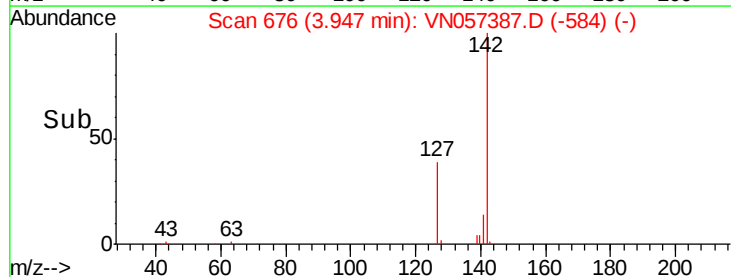
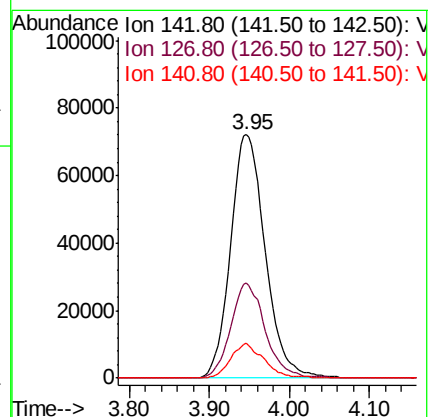
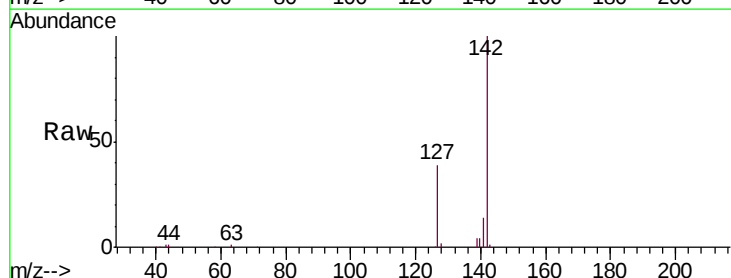
Tgt Ion:142 Resp: 212073

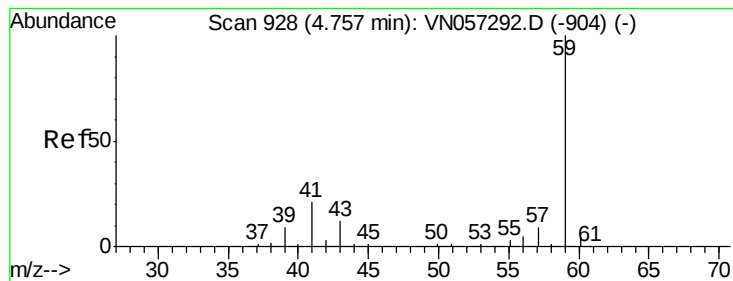
Ion Ratio Lower Upper

142 100

127 38.8 31.6 47.4

141 13.6 11.2 16.8





#11

Tert butyl alcohol

Concen: 75.050 ug/l

RT: 4.75 min Scan# 927

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

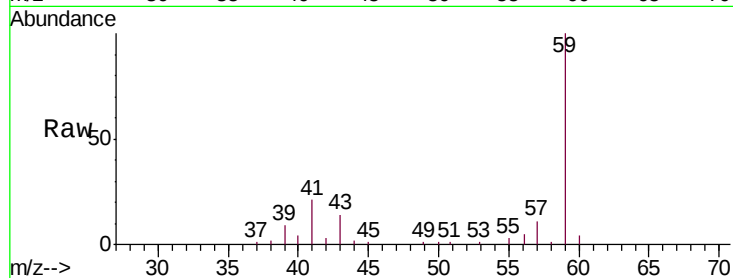
VN0819WBS01

Tgt Ion: 59 Resp: 104660

Ion Ratio Lower Upper

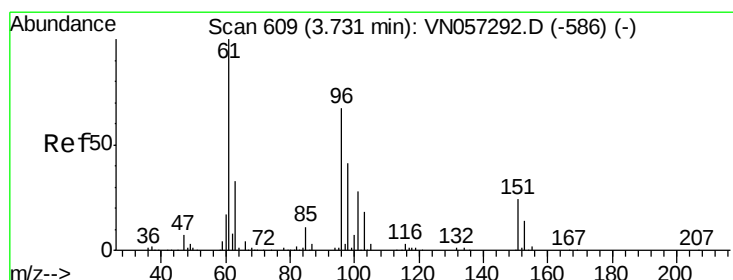
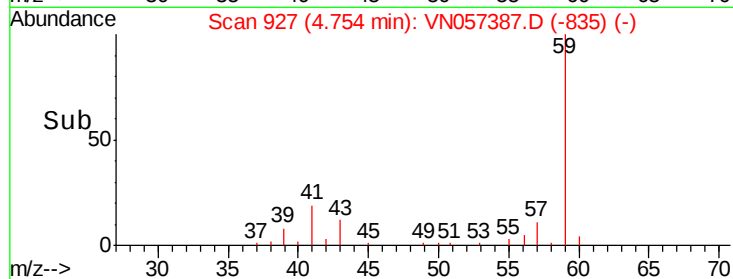
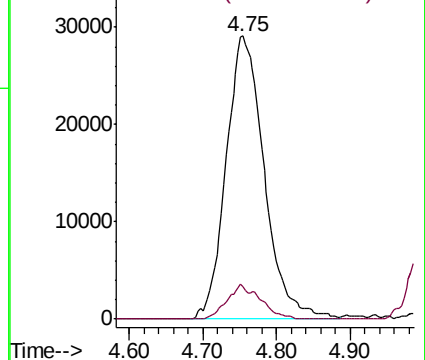
59 100

57 6.2 8.2 12.2#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0



#12

1,1-Dichloroethene

Concen: 16.738 ug/l

RT: 3.73 min Scan# 610

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

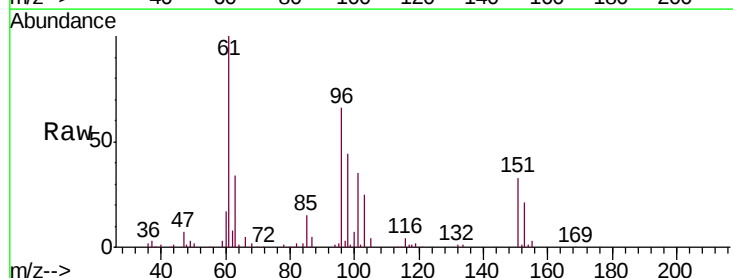
Tgt Ion: 96 Resp: 132513

Ion Ratio Lower Upper

96 100

61 150.2 119.7 179.5

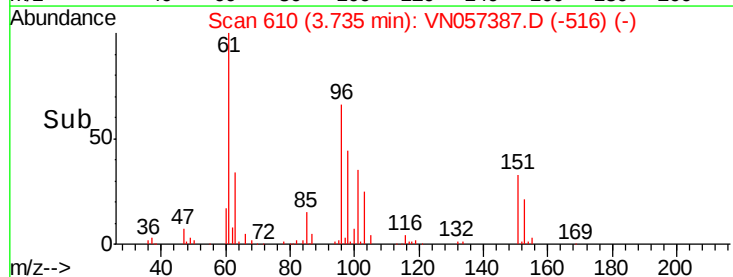
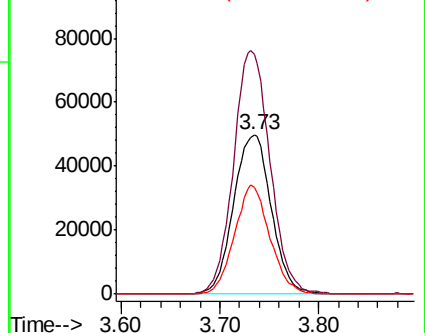
98 66.8 49.0 73.4

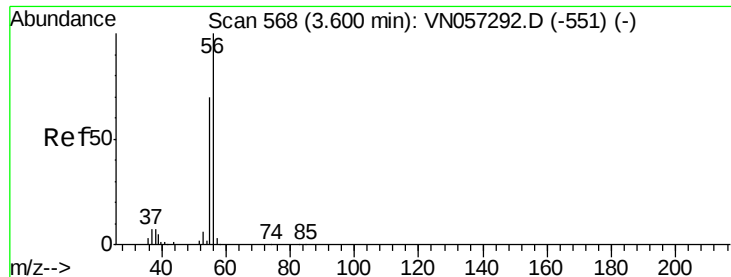


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#13

Acrolein

Concen: 55.320 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

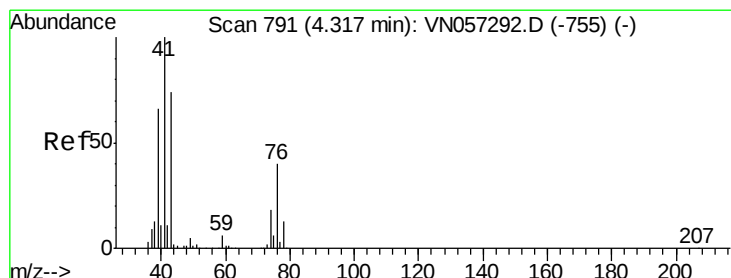
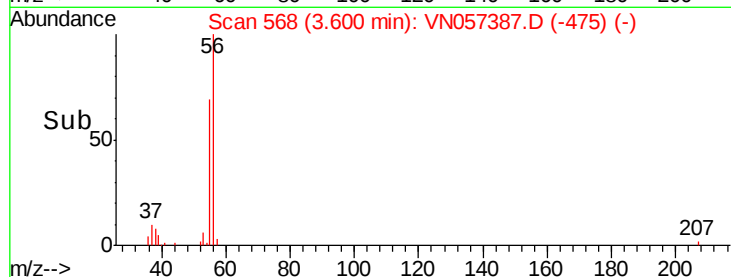
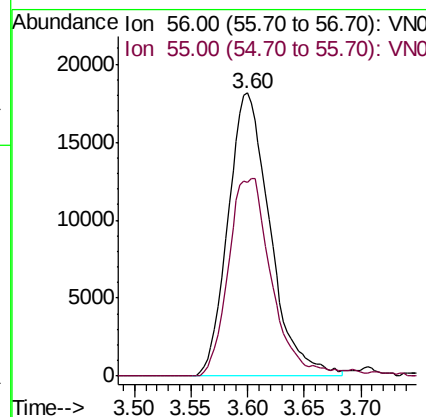
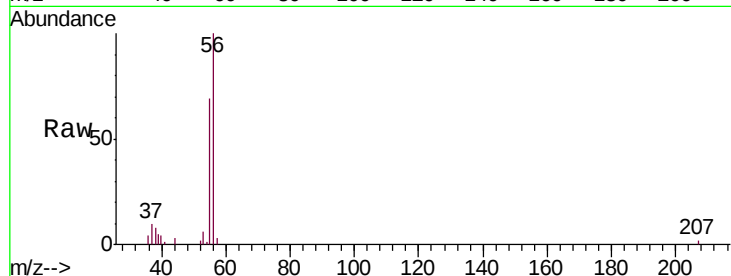
VN0819WBS01

Tgt Ion: 56 Resp: 46833

Ion Ratio Lower Upper

56 100

55 71.8 56.6 84.8



#14

Allyl chloride

Concen: 15.513 ug/l

RT: 4.31 min Scan# 790

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

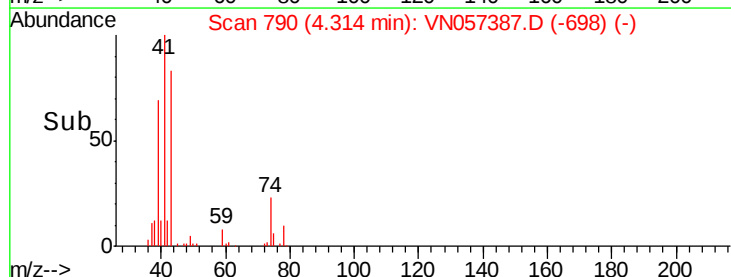
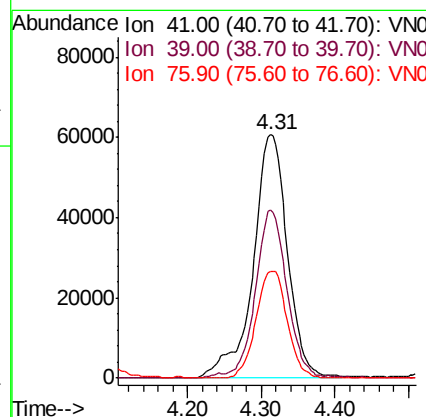
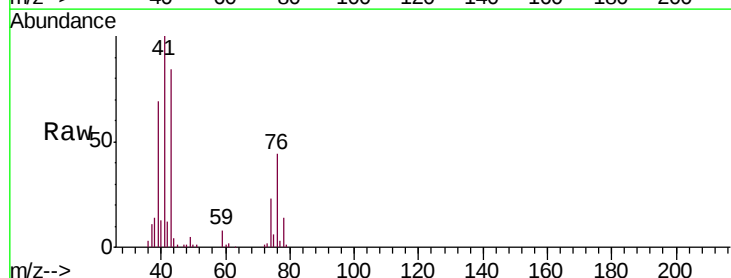
Tgt Ion: 41 Resp: 196867

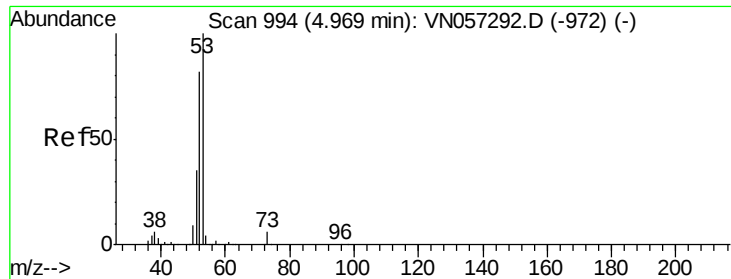
Ion Ratio Lower Upper

41 100

39 61.4 49.0 73.6

76 39.8 29.0 43.4





#15

Acrylonitrile

Concen: 79.407 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

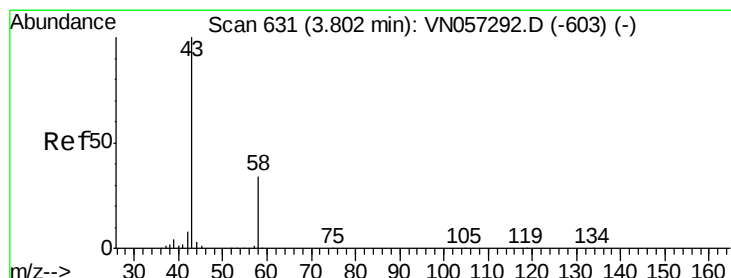
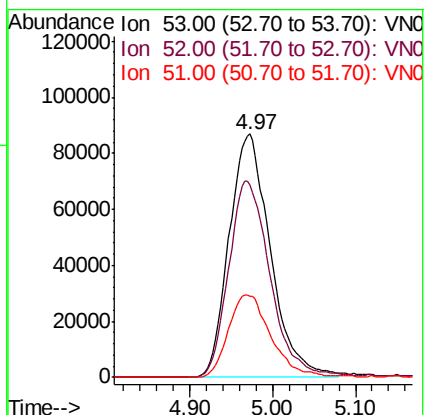
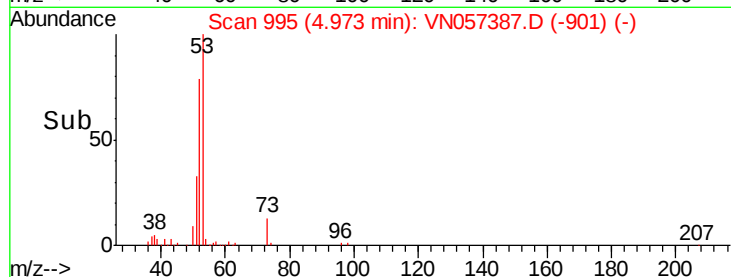
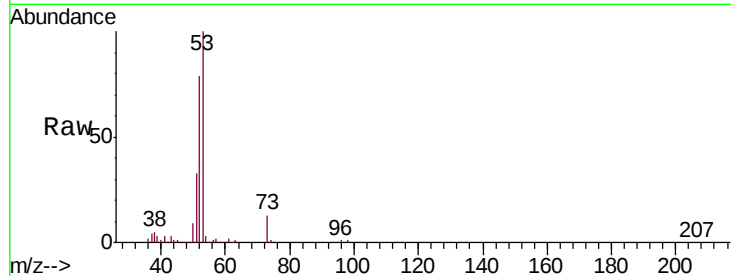
Tgt Ion: 53 Resp: 300641

Ion Ratio Lower Upper

53 100

52 81.1 66.2 99.2

51 34.8 28.5 42.7



#16

Acetone

Concen: 89.111 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.00 min

Lab File: VN057387.D

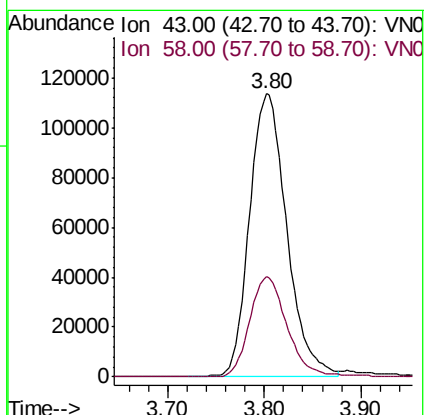
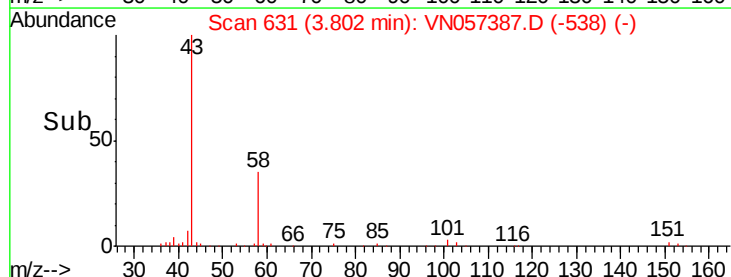
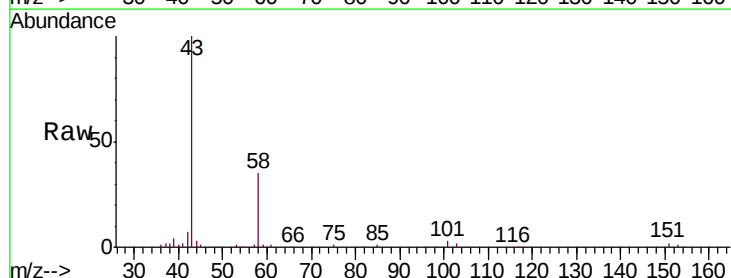
Acq: 19 Aug 2019 9:52

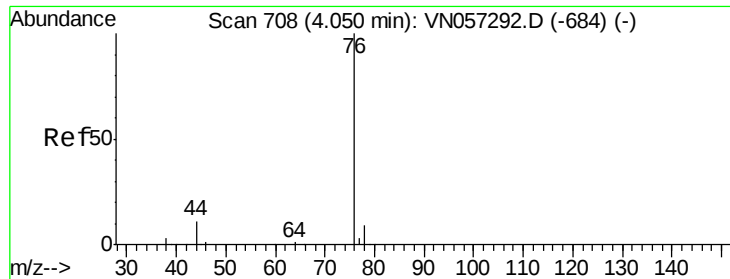
Tgt Ion: 43 Resp: 303231

Ion Ratio Lower Upper

43 100

58 35.5 27.0 40.6

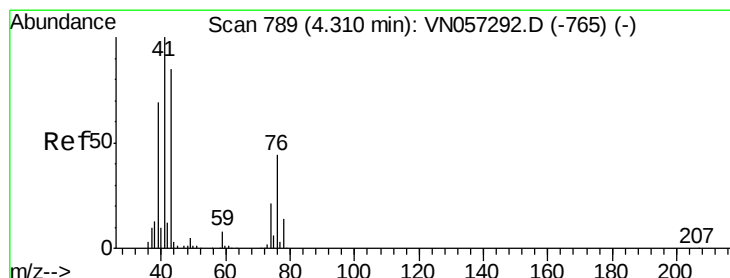
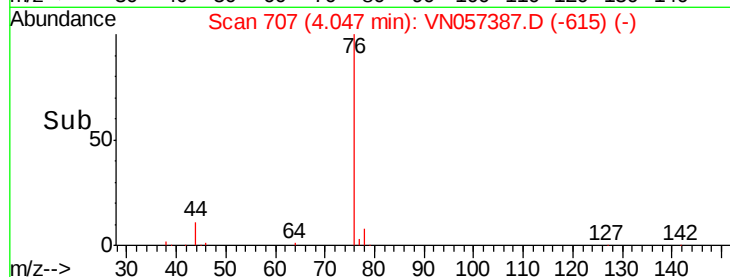
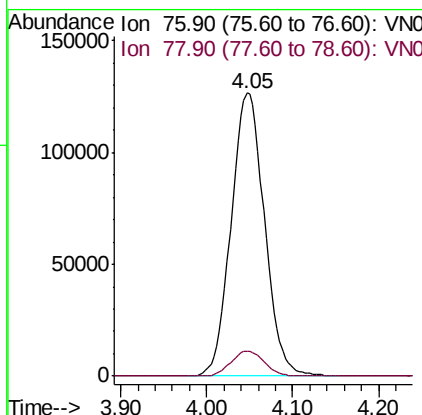
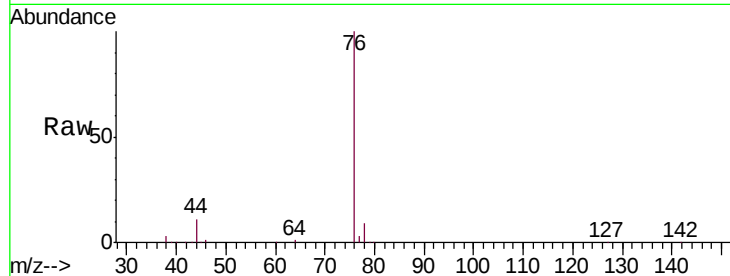




#17
Carbon Disulfide
Concen: 16.001 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

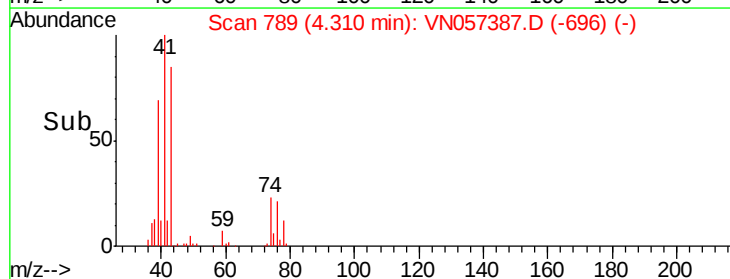
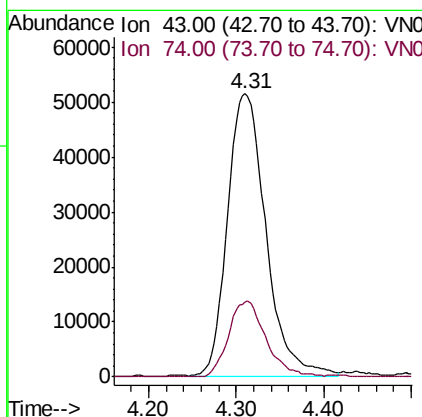
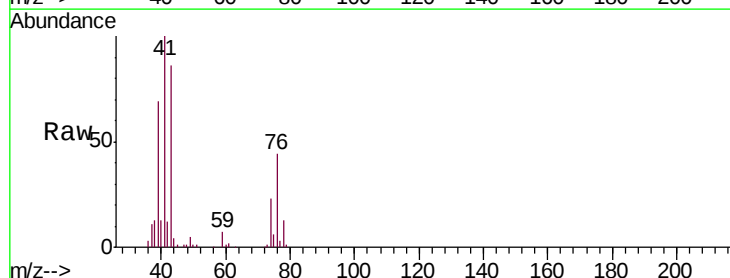
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

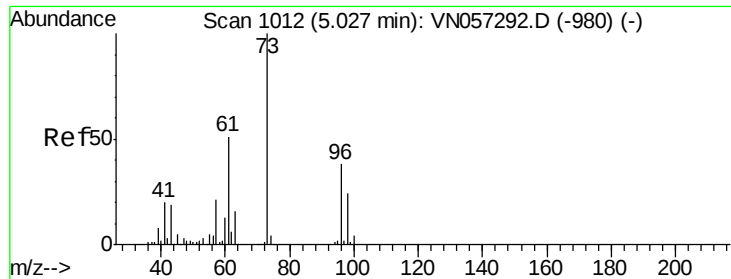
Tgt Ion: 76 Resp: 341280
Ion Ratio Lower Upper
76 100
78 8.8 7.0 10.6



#18
Methyl Acetate
Concen: 15.530 ug/l
RT: 4.31 min Scan# 789
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 43 Resp: 156370
Ion Ratio Lower Upper
43 100
74 26.0 20.2 30.2

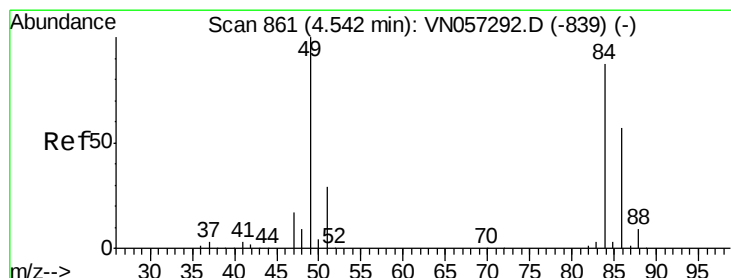
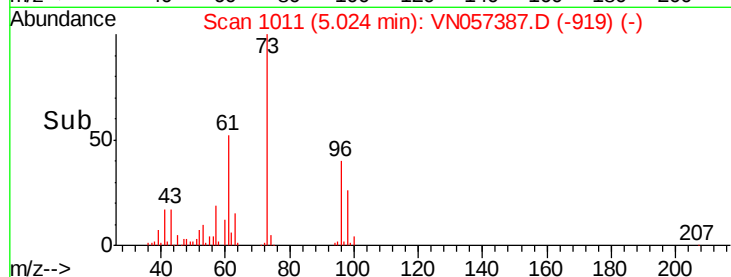
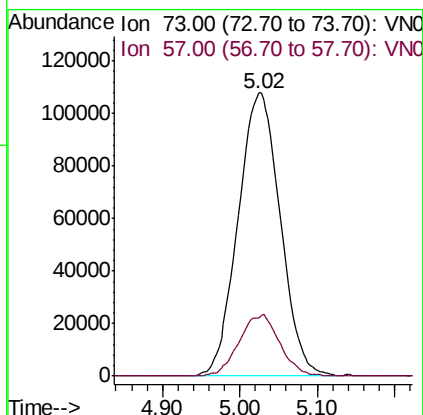
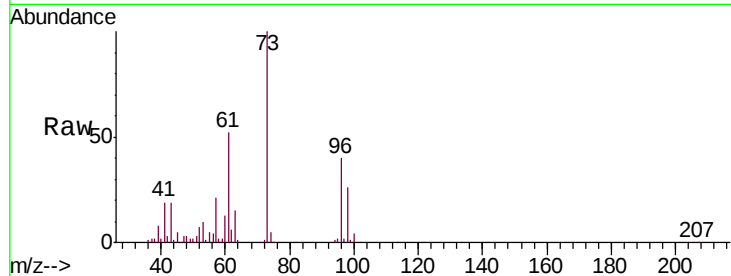




#19
Methyl tert-butyl Ether
Concen: 16.509 ug/l
RT: 5.02 min Scan# 1011
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

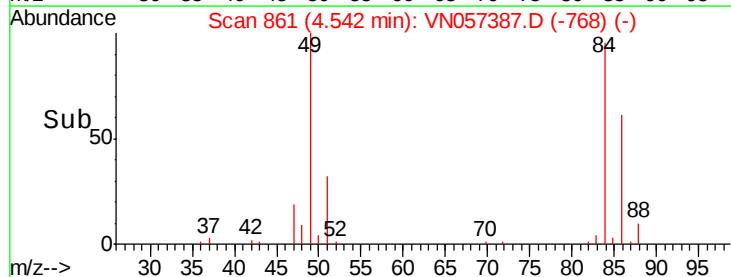
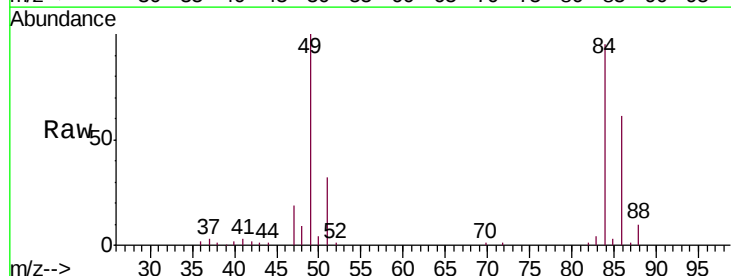
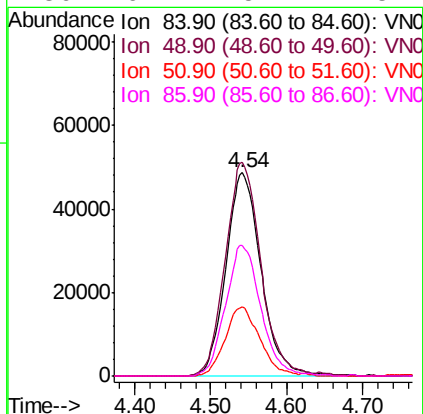
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

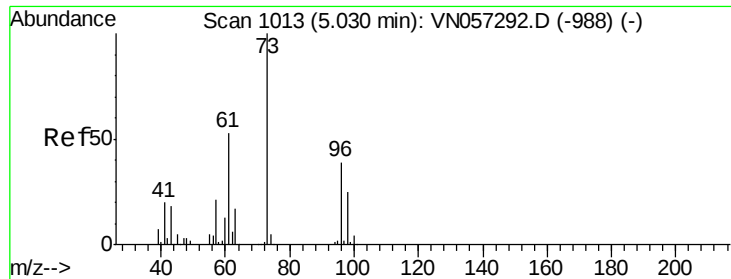
Tgt Ion: 73 Resp: 410104
Ion Ratio Lower Upper
73 100
57 20.6 16.9 25.3



#20
Methylene Chloride
Concen: 16.439 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 84 Resp: 156515
Ion Ratio Lower Upper
84 100
49 105.3 92.0 138.0
51 34.0 27.1 40.7
86 64.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 16.810 ug/l

RT: 5.03 min Scan# 1012

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

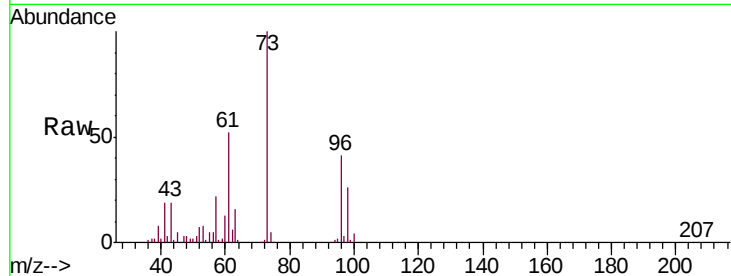
Tgt Ion: 96 Resp: 143119

Ion Ratio Lower Upper

96 100

61 126.8 109.5 164.3

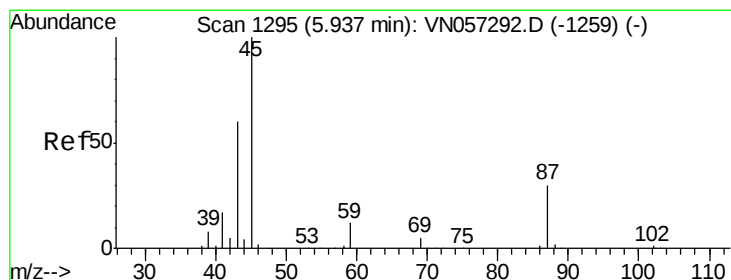
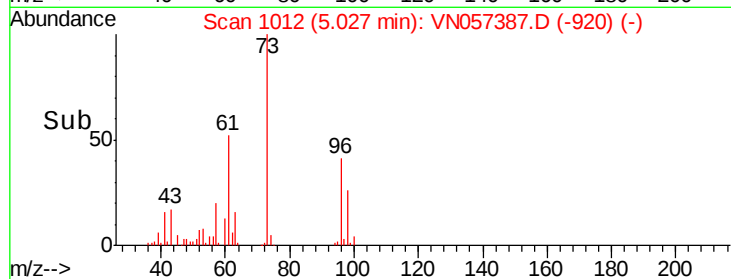
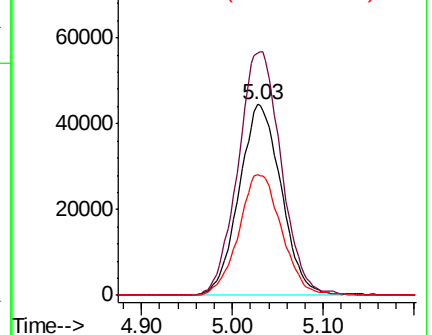
98 63.4 51.0 76.6



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: 16.458 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion: 45 Resp: 412586

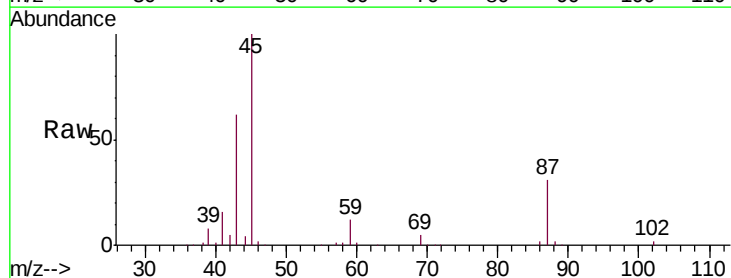
Ion Ratio Lower Upper

45 100

43 61.5 48.3 72.5

87 30.8 24.6 36.8

59 12.0 9.8 14.8

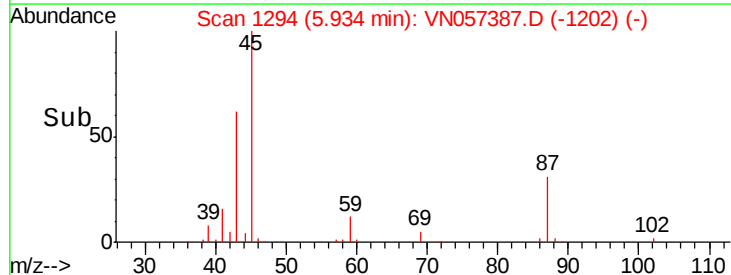
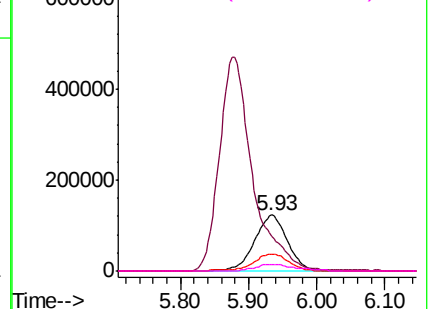


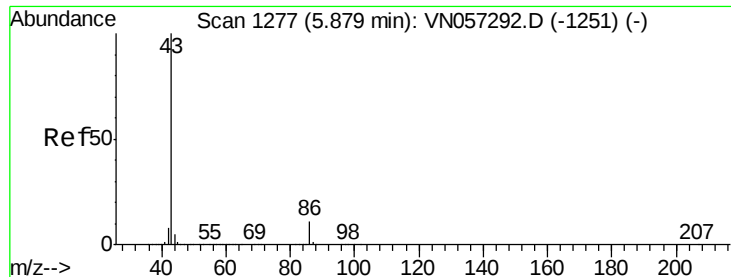
Abundance Ion 45.00 (44.70 to 45.70): VN0

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: 78.809 ug/l

RT: 5.88 min Scan# 1276

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

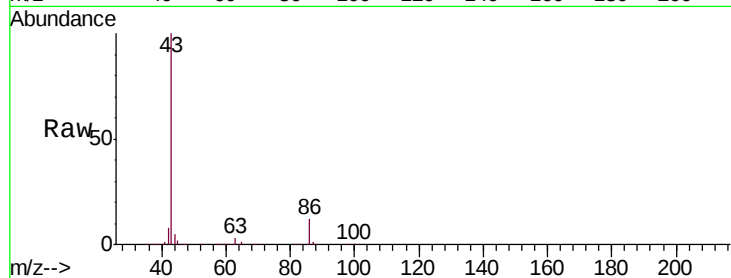
VN0819WBS01

Tgt Ion: 43 Resp: 1590062

Ion Ratio Lower Upper

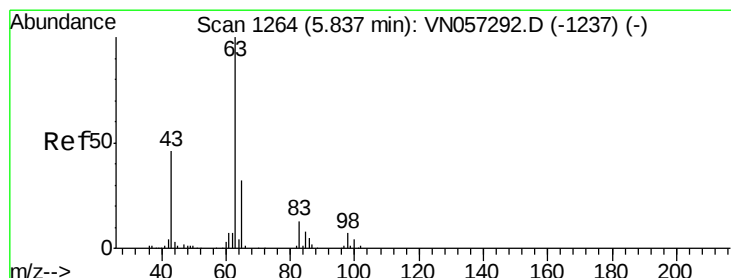
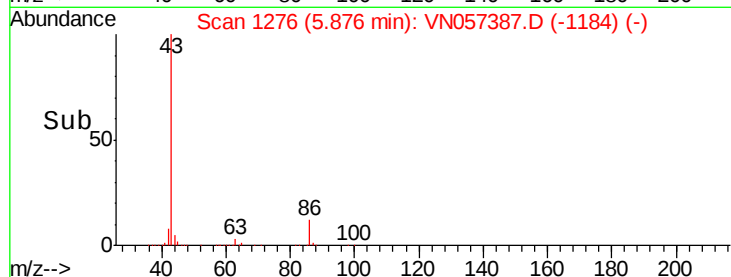
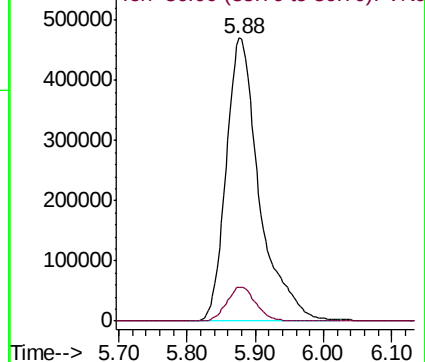
43 100

86 12.0 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 16.499 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

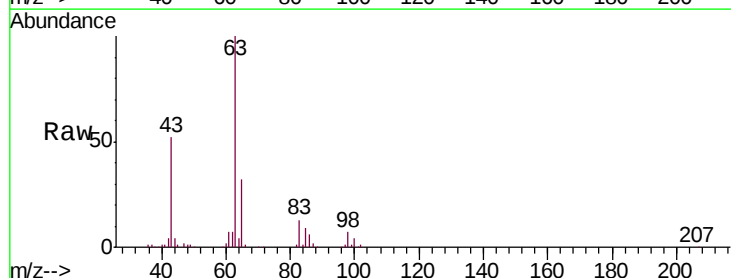
Tgt Ion: 63 Resp: 254473

Ion Ratio Lower Upper

63 100

98 6.6 3.3 9.9

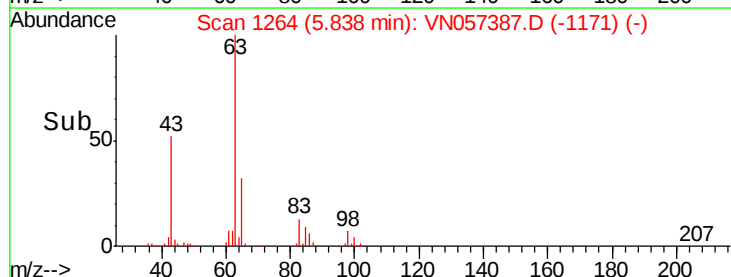
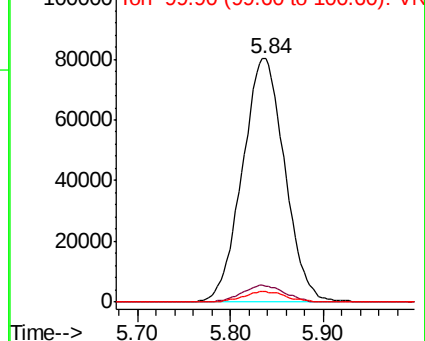
100 4.3 2.1 6.5

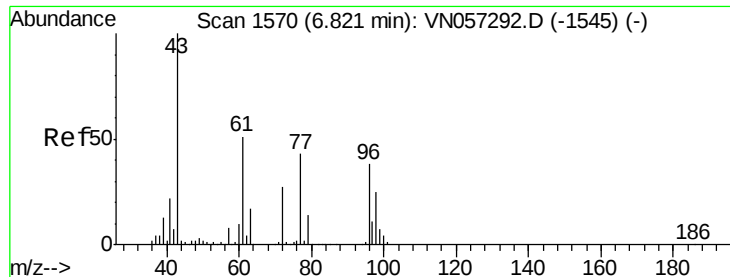


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

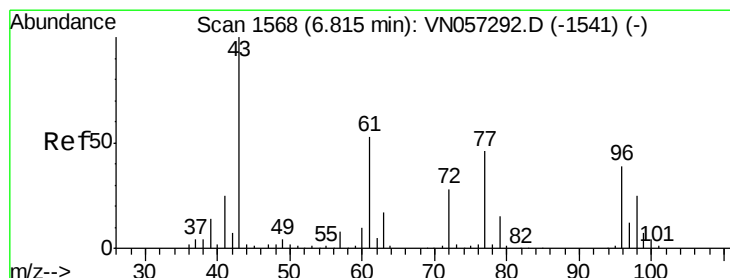
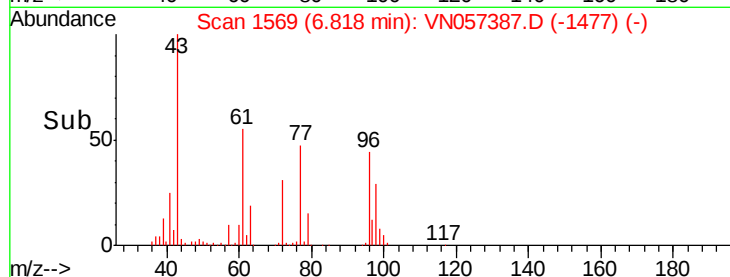
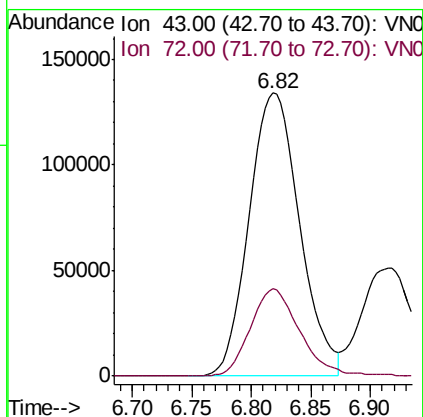
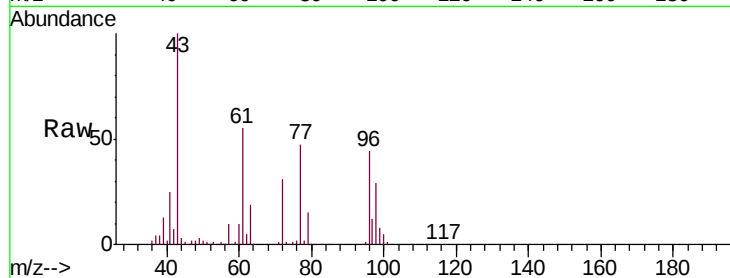




#25
2-Butanone
Concen: 80.013 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

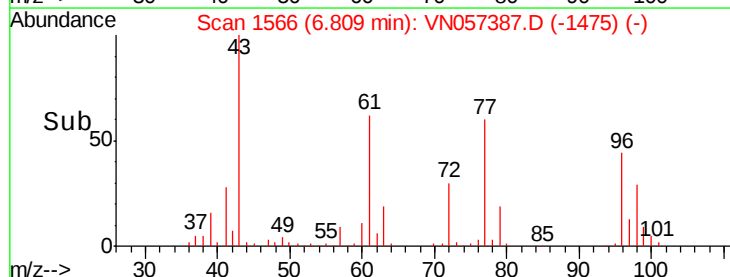
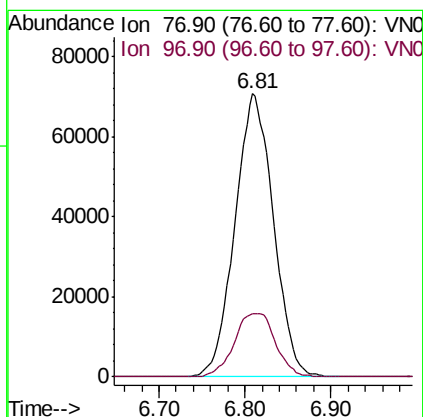
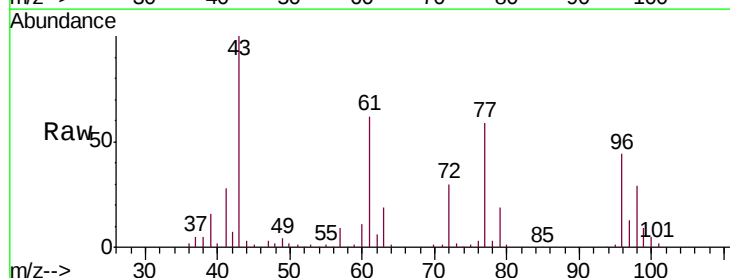
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

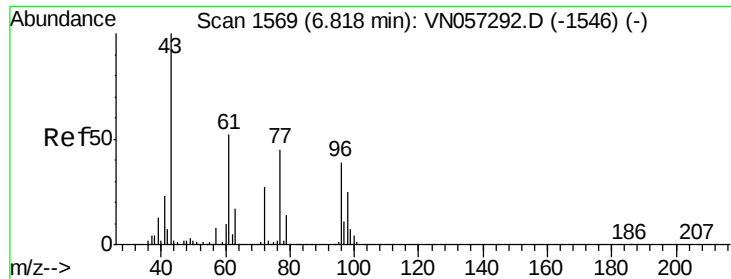
Tgt Ion: 43 Resp: 394281
Ion Ratio Lower Upper
43 100
72 30.8 21.5 32.3



#26
2,2-Dichloropropane
Concen: 17.672 ug/l
RT: 6.81 min Scan# 1566
Delta R.T. -0.01 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 77 Resp: 220278
Ion Ratio Lower Upper
77 100
97 24.1 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 16.761 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

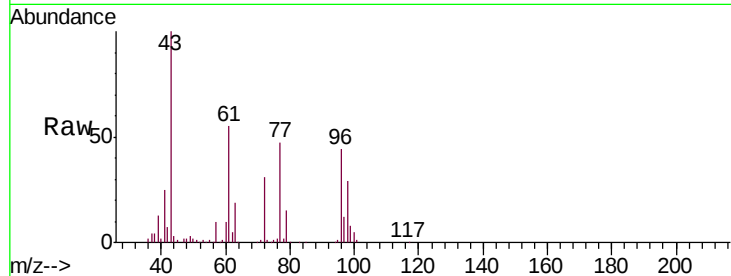
Tgt Ion: 96 Resp: 168944

Ion Ratio Lower Upper

96 100

61 133.9 0.0 272.0

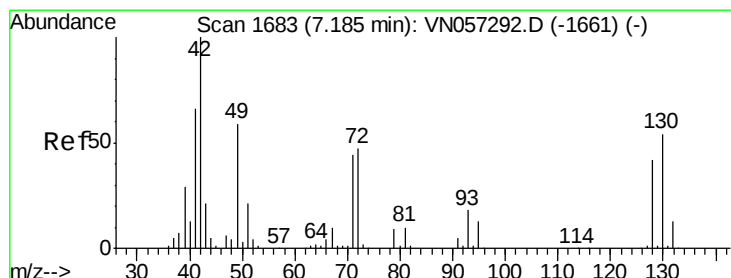
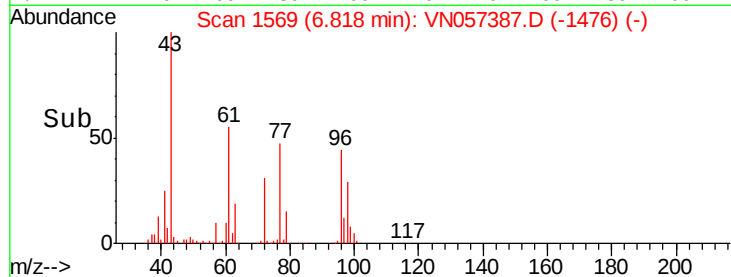
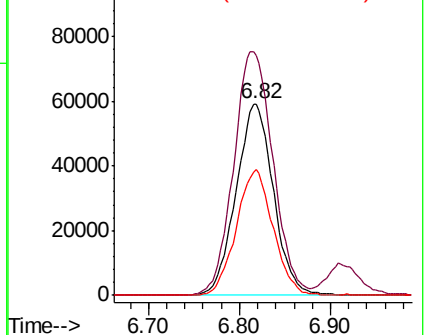
98 64.5 0.0 130.4



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: 18.227 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

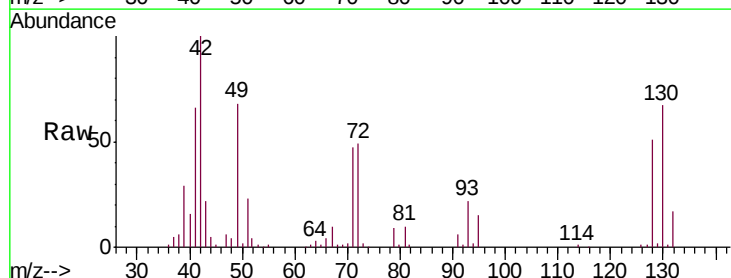
Tgt Ion: 49 Resp: 124911

Ion Ratio Lower Upper

49 100

129 2.6 0.0 2.0#

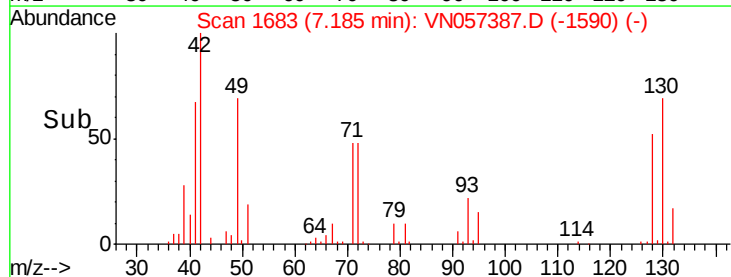
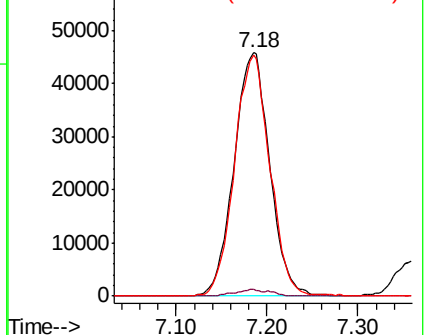
130 97.8 73.2 109.8

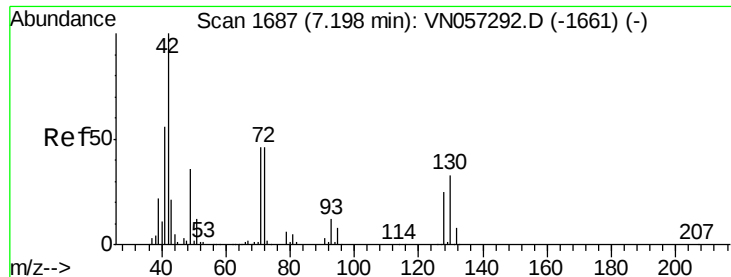


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

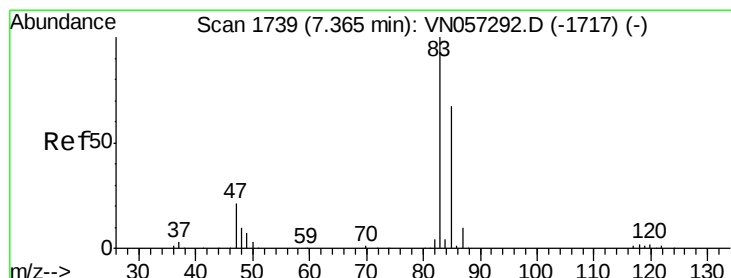
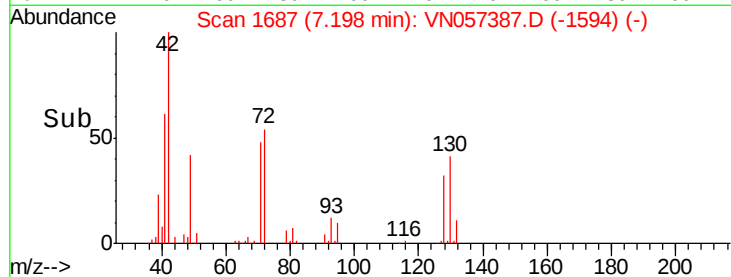
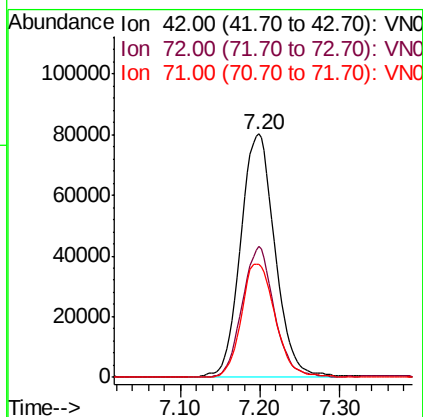
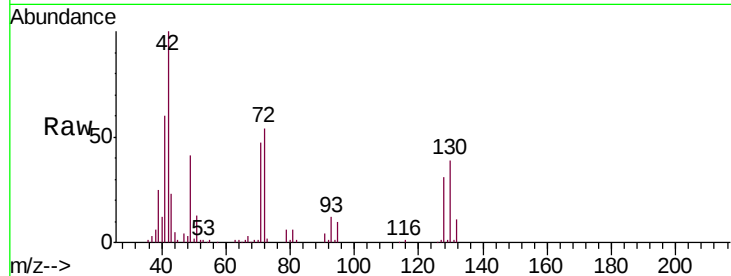




#29
Tetrahydrofuran
Concen: 74.954 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

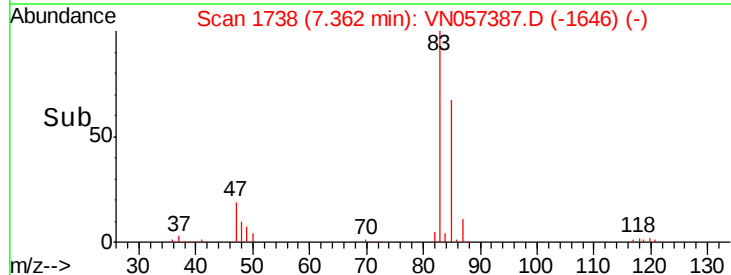
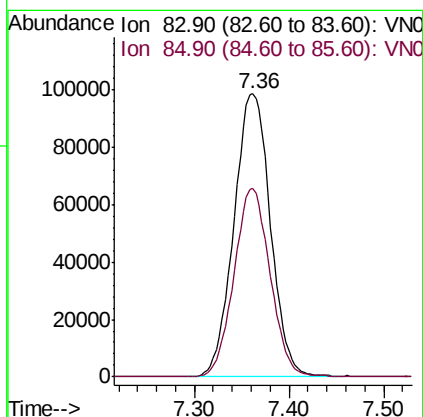
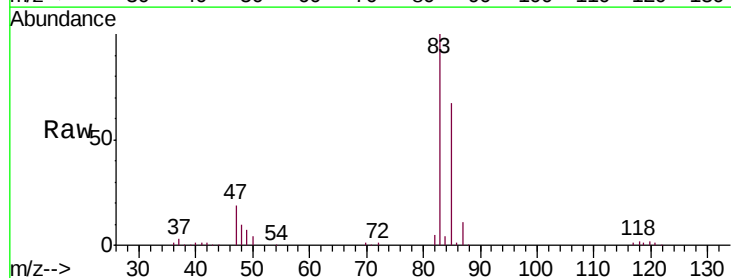
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

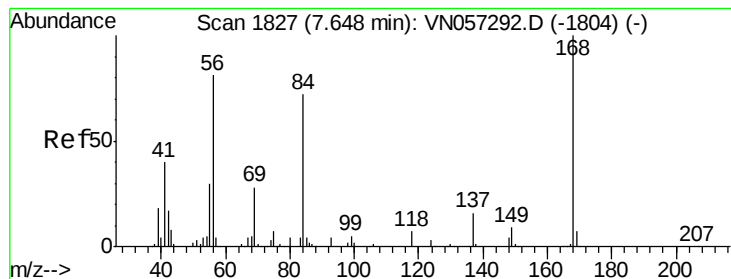
Tgt Ion: 42 Resp: 233744
Ion Ratio Lower Upper
42 100
72 50.0 37.8 56.6
71 45.9 35.7 53.5



#30
Chloroform
Concen: 16.385 ug/l
RT: 7.36 min Scan# 1738
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 83 Resp: 264839
Ion Ratio Lower Upper
83 100
85 66.8 53.3 79.9





#31

Cyclohexane

Concen: 15.751 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

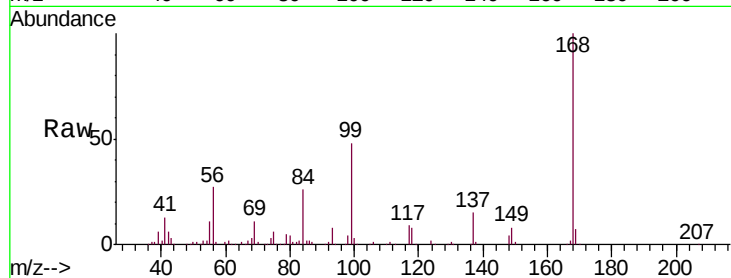
Tgt Ion: 56 Resp: 210527

Ion Ratio Lower Upper

56 100

69 39.6 27.3 40.9

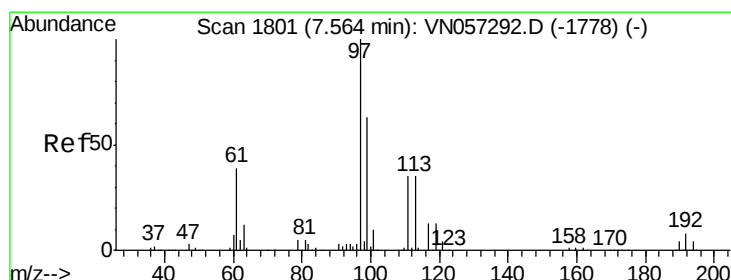
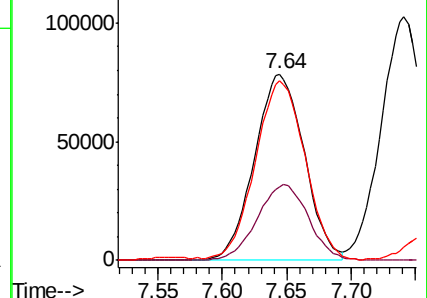
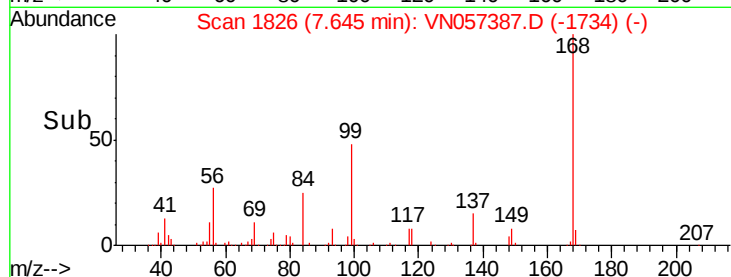
84 95.2 71.0 106.6



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#32

1,1,1-Trichloroethane

Concen: 17.416 ug/l

RT: 7.56 min Scan# 1800

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

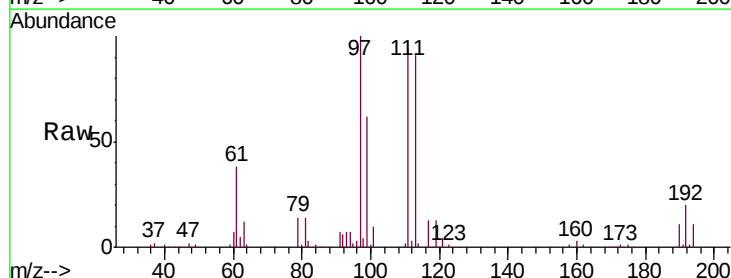
Tgt Ion: 97 Resp: 236766

Ion Ratio Lower Upper

97 100

99 63.3 50.3 75.5

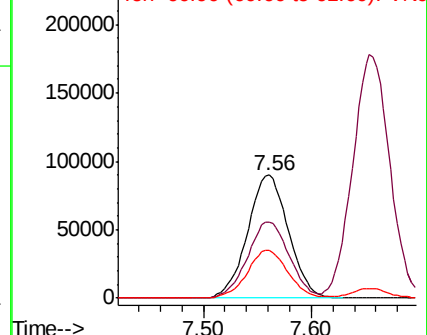
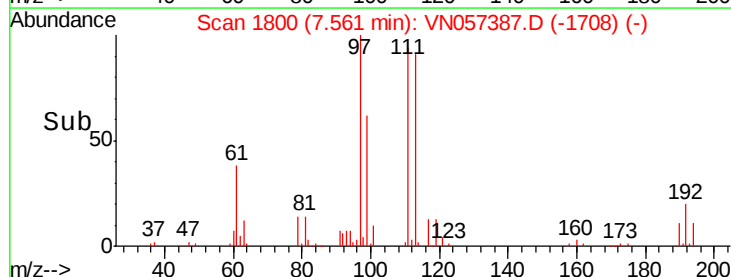
61 38.8 31.3 46.9

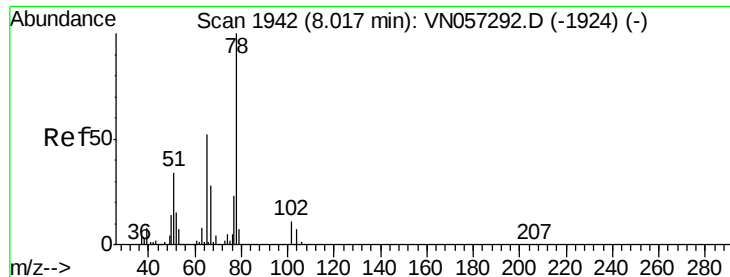


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0





#33

1,2-Dichloroethane-d4

Concen: 42.208 ug/l

RT: 8.02 min Scan# 1942

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

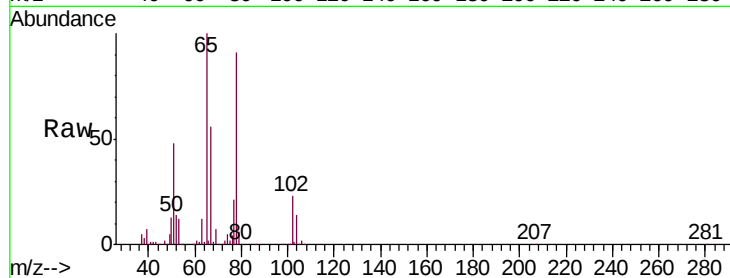
VN0819WBS01

Tgt Ion: 65 Resp: 414031

Ion Ratio Lower Upper

65 100

67 54.4 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.02

200000

150000

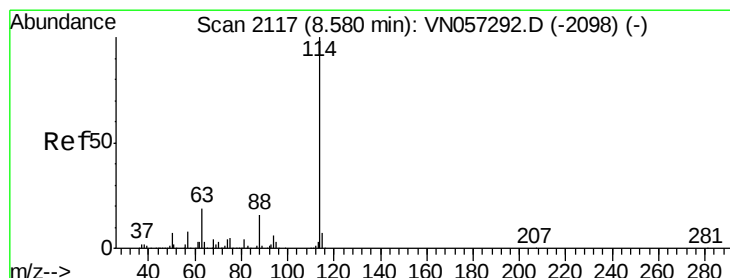
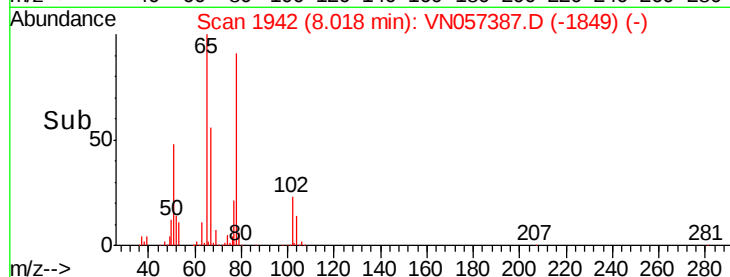
100000

50000

0

7.90 7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2116

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

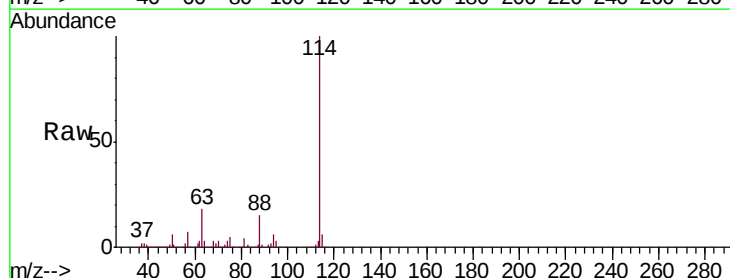
Tgt Ion: 114 Resp: 1278045

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.8

88 15.0 0.0 31.4



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.58

800000

600000

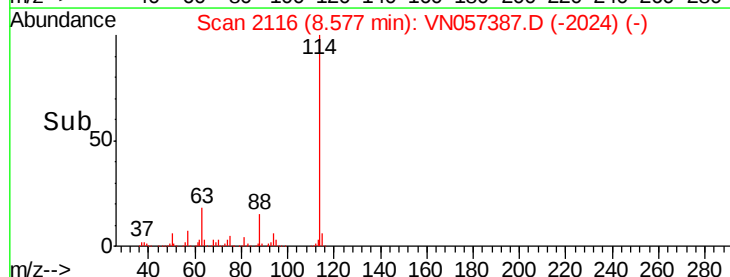
400000

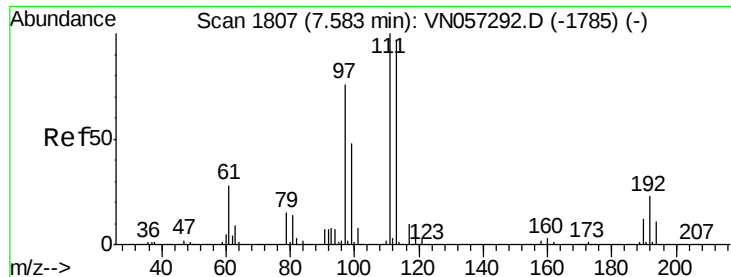
200000

0

8.50 8.55 8.60 8.65

Time-->

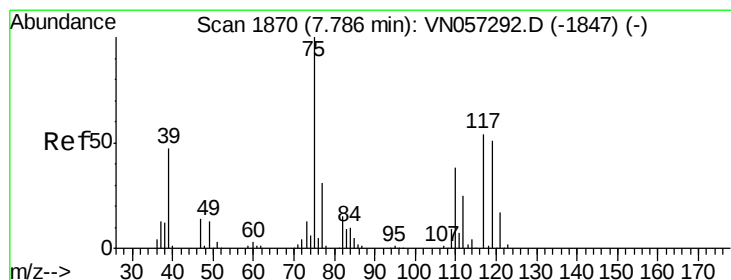
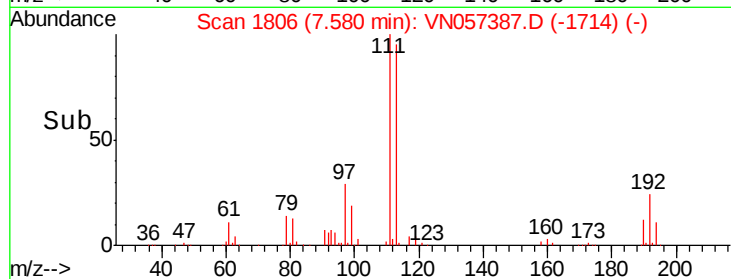
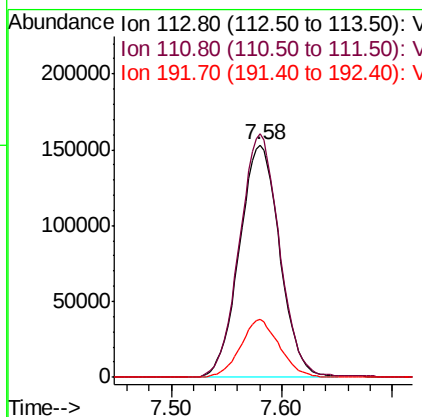
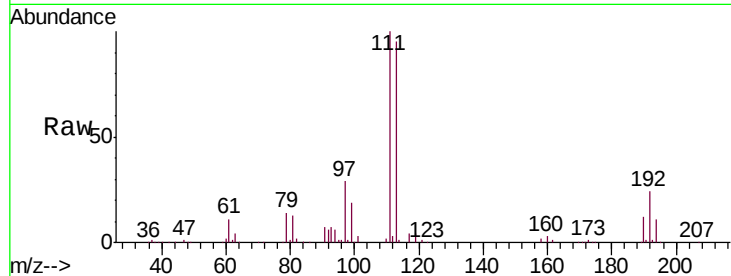




#35
 Dibromofluoromethane
 Concen: 46.353 ug/l
 RT: 7.58 min Scan# 1806
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

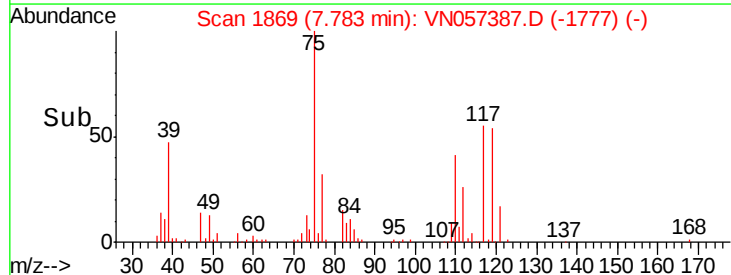
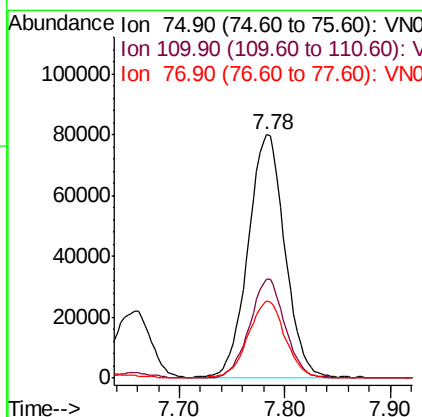
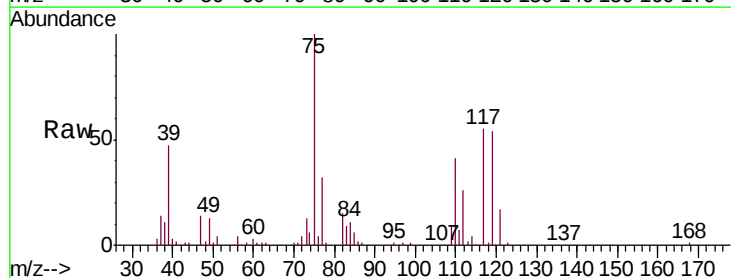
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

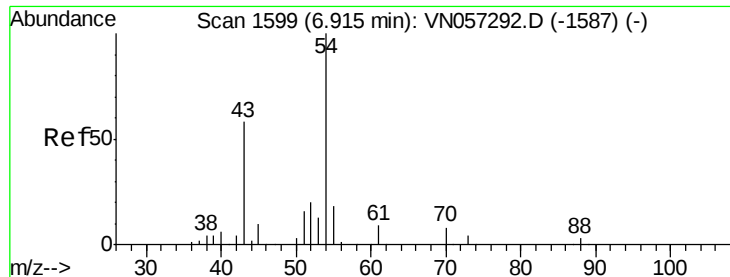
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.6	82.1	123.1
192	24.1	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 17.156 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.5	58.5
77	32.0	25.0	37.6

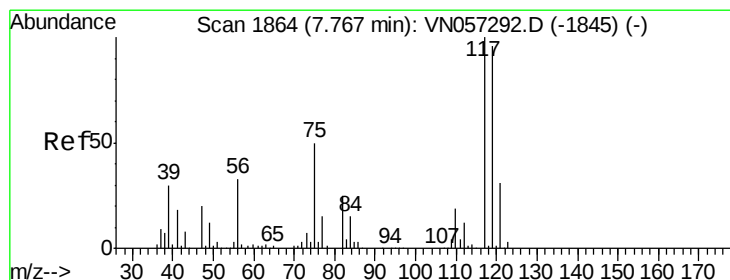
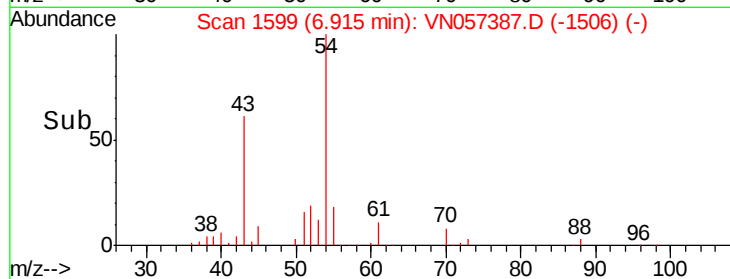
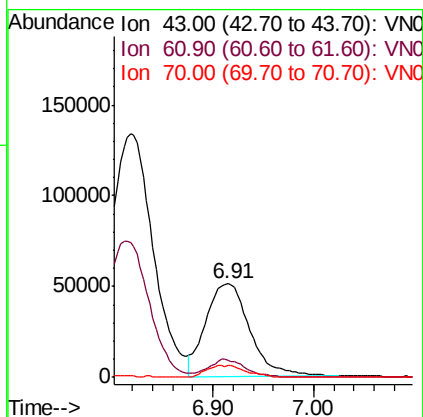
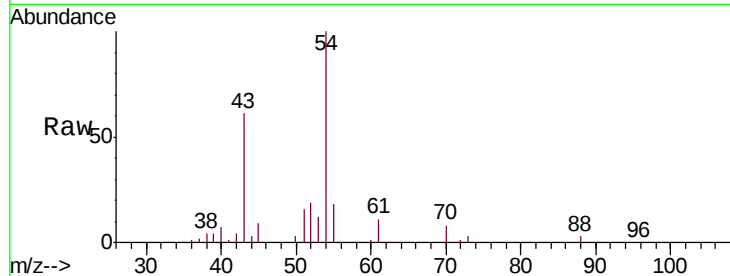




#37
Ethyl Acetate
Concen: 16.781 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

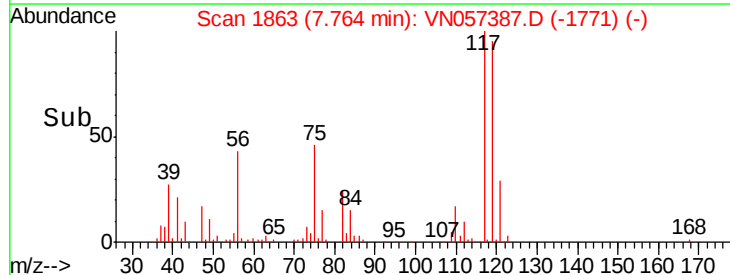
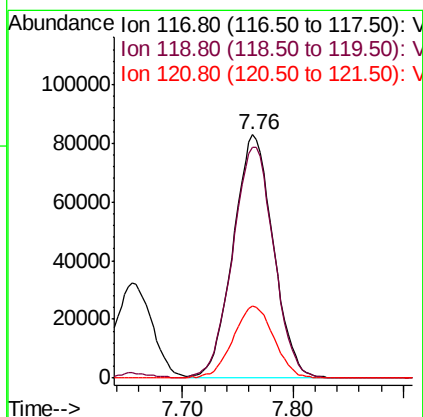
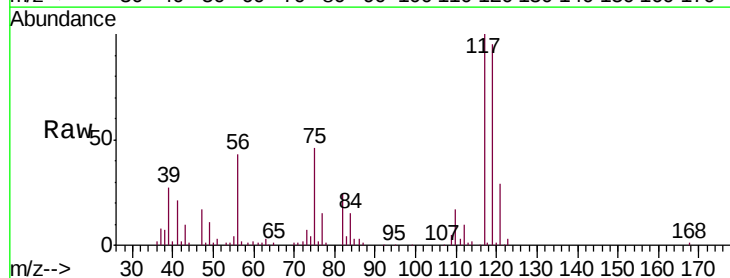
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

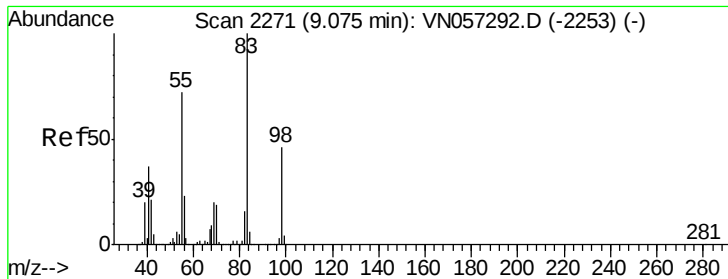
Tgt Ion: 43 Resp: 155092
Ion Ratio Lower Upper
43 100
61 16.6 12.0 18.0
70 12.0 9.2 13.8



#38
Carbon Tetrachloride
Concen: 17.815 ug/l
RT: 7.76 min Scan# 1863
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 117 Resp: 208868
Ion Ratio Lower Upper
117 100
119 94.6 76.8 115.2
121 29.5 25.0 37.4

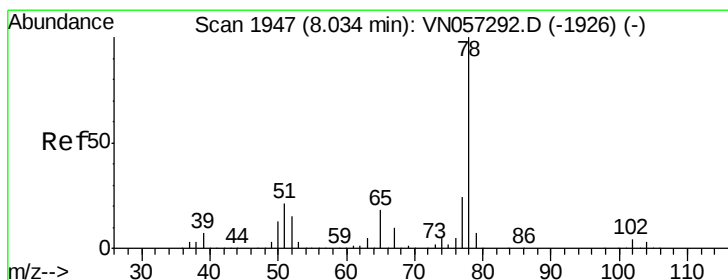
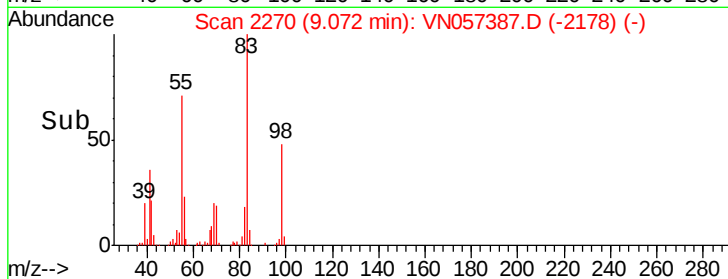
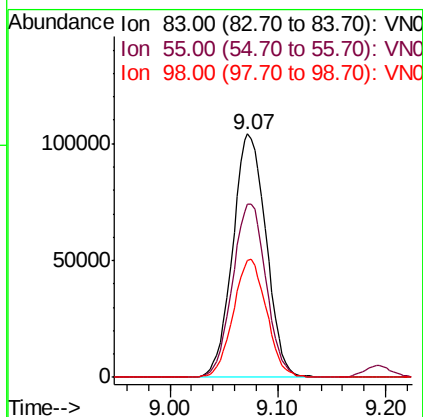
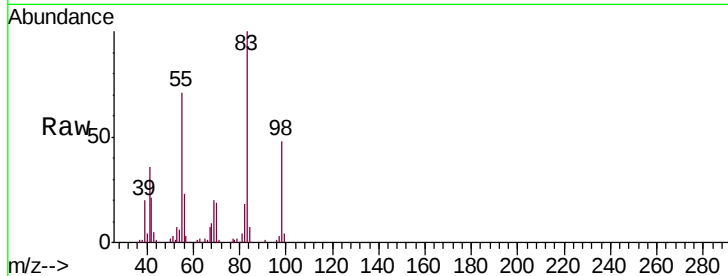




#39
Methylcyclohexane
Concen: 17.055 ug/l
RT: 9.07 min Scan# 2270
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

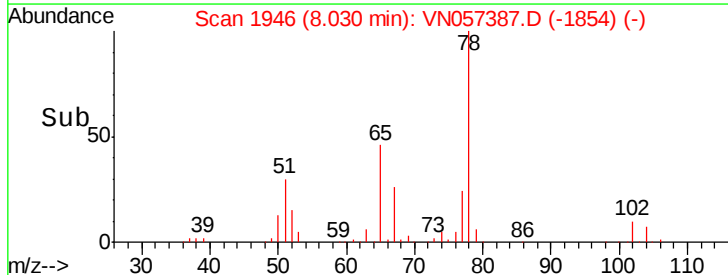
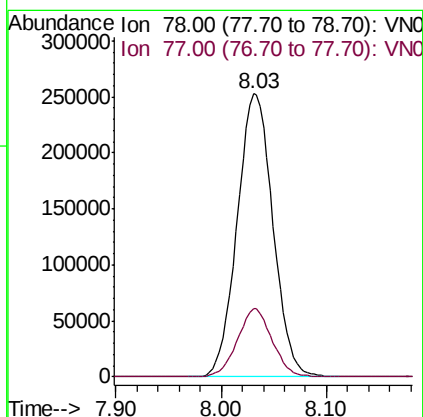
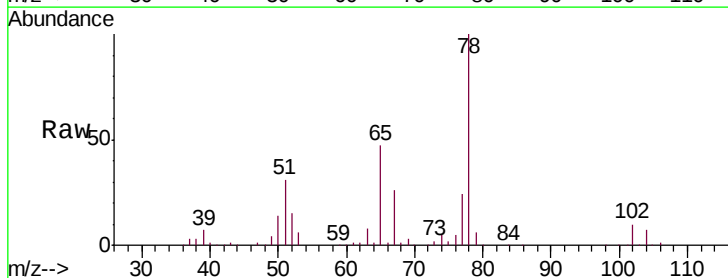
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

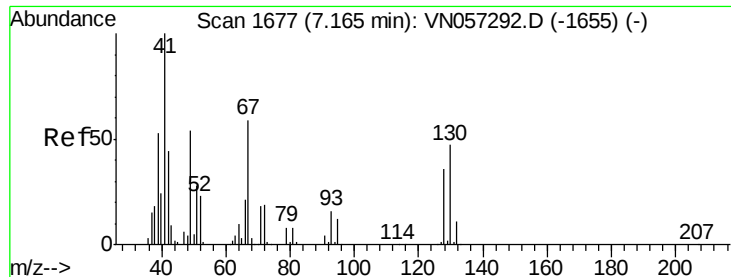
Tgt Ion: 83 Resp: 224726
Ion Ratio Lower Upper
83 100
55 71.2 57.5 86.3
98 48.0 36.6 55.0



#40
Benzene
Concen: 17.239 ug/l
RT: 8.03 min Scan# 1946
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 78 Resp: 594982
Ion Ratio Lower Upper
78 100
77 24.0 19.1 28.7

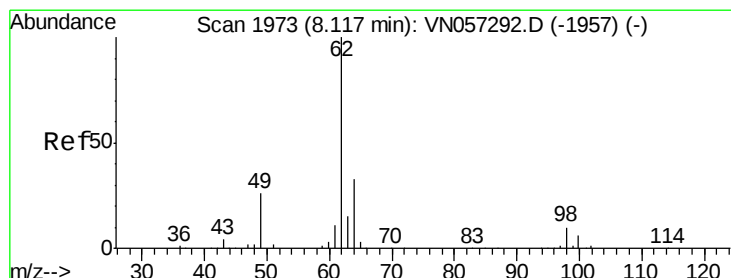
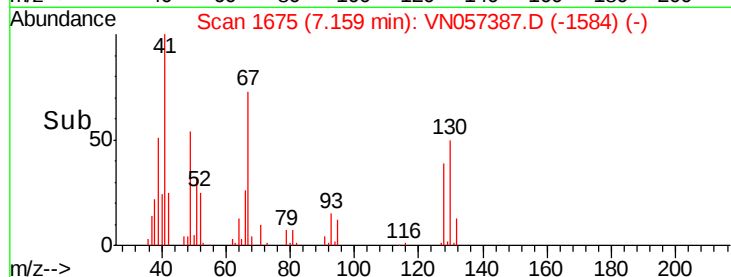
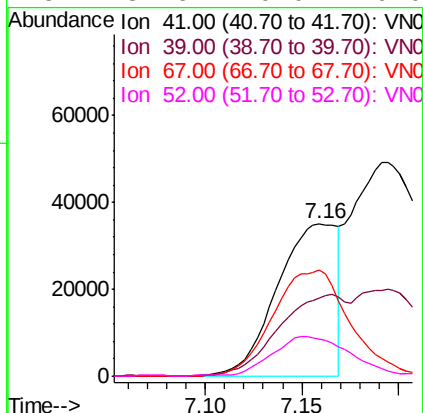
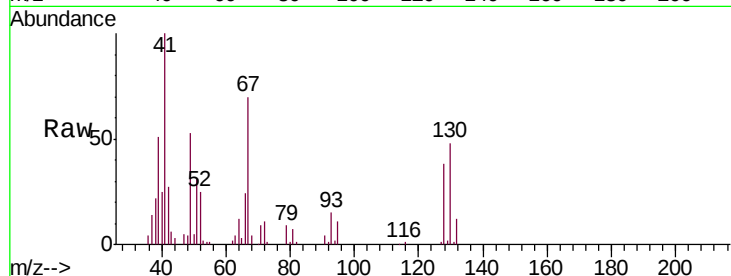




#41
Methacrylonitrile
Concen: 18.219 ug/l
RT: 7.16 min Scan# 1675
Delta R.T. -0.01 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

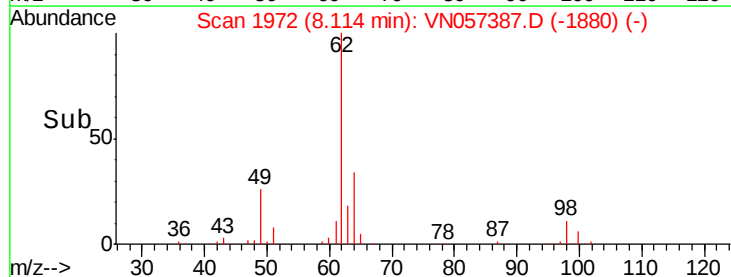
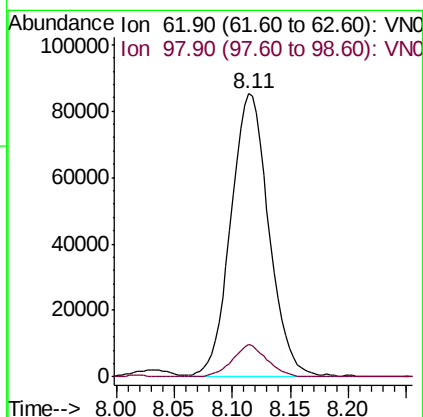
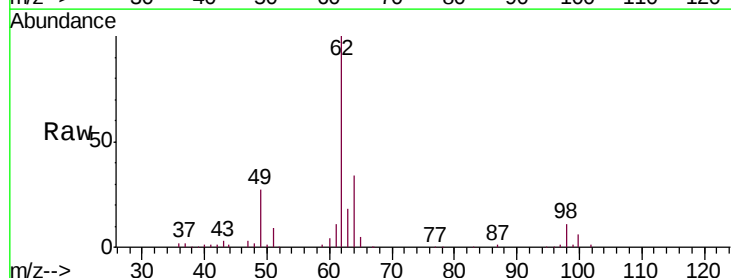
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

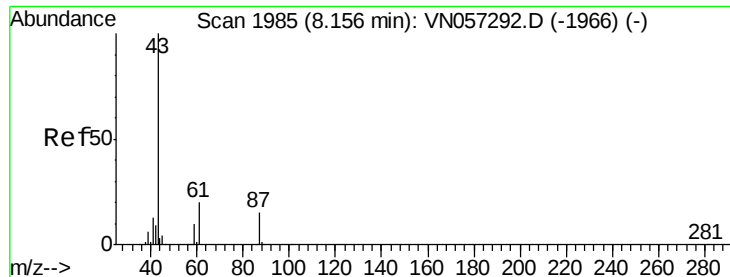
Tgt Ion:	41	Resp:	75831
Ion	Ratio	Lower	Upper
41	100		
39	61.5	0.0	0.0#
67	89.6	0.0	0.0#
52	34.6	0.0	0.0#



#42
1,2-Dichloroethane
Concen: 16.903 ug/l
RT: 8.11 min Scan# 1972
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion:	62	Resp:	193091
Ion	Ratio	Lower	Upper
62	100		
98	10.5	0.0	19.4





#43

Isopropyl Acetate

Concen: 15.250 ug/l

RT: 8.15 min Scan# 1984

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

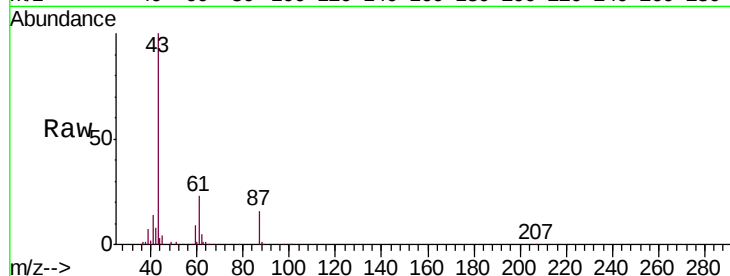
Tgt Ion: 43 Resp: 271015

Ion Ratio Lower Upper

43 100

61 28.2 21.6 32.4

87 15.3 11.4 17.0

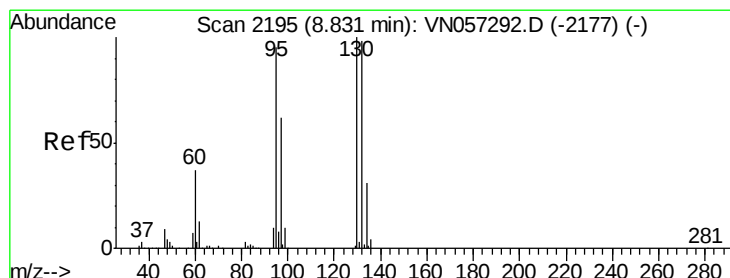
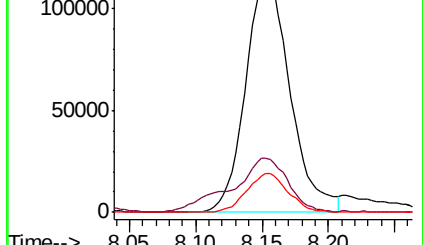
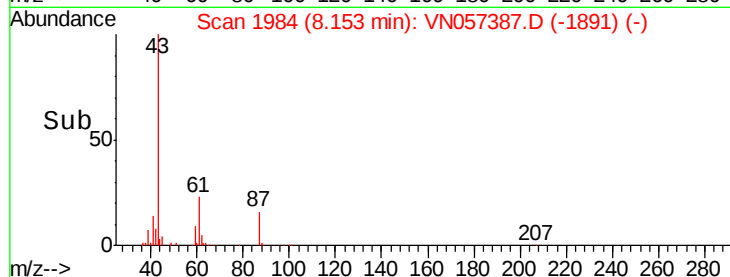


Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN057292.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN057292.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 18.365 ug/l

RT: 8.83 min Scan# 2194

Delta R.T. -0.00 min

Lab File: VN057387.D

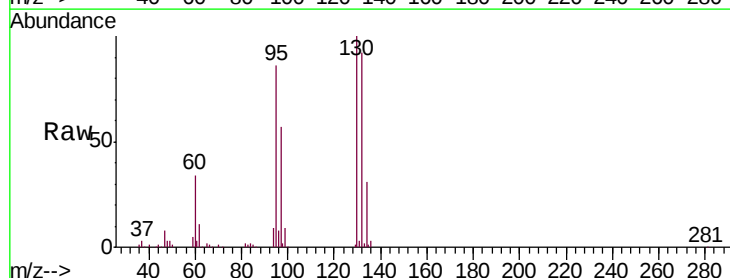
Acq: 19 Aug 2019 9:52

Tgt Ion: 130 Resp: 178210

Ion Ratio Lower Upper

130 100

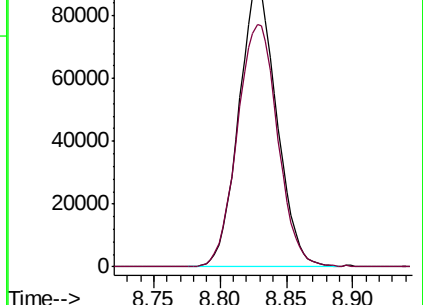
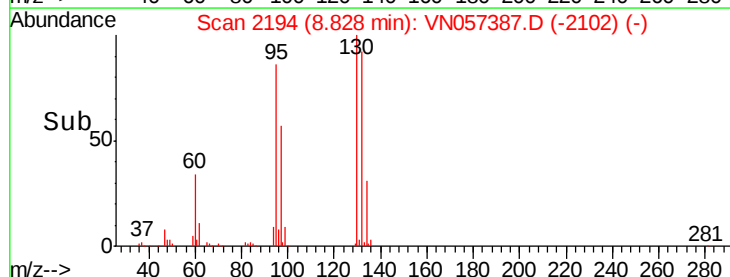
95 85.5 0.0 189.2

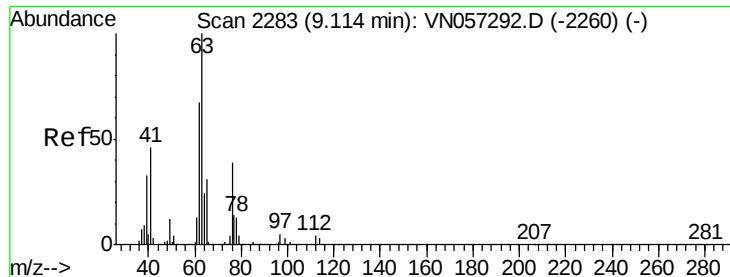


Abundance Ion 129.80 (129.50 to 130.50): VN057292.D (-2177) (-)

Ion 94.90 (94.60 to 95.60): VN057292.D (-2177) (-)

Time-->

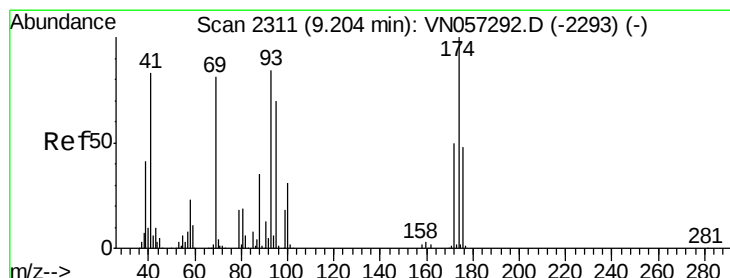
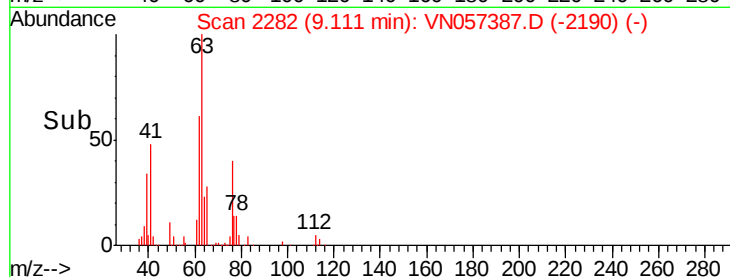
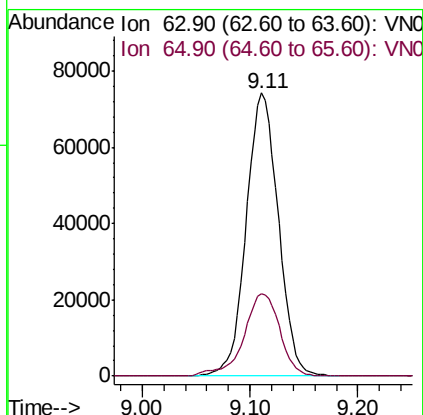
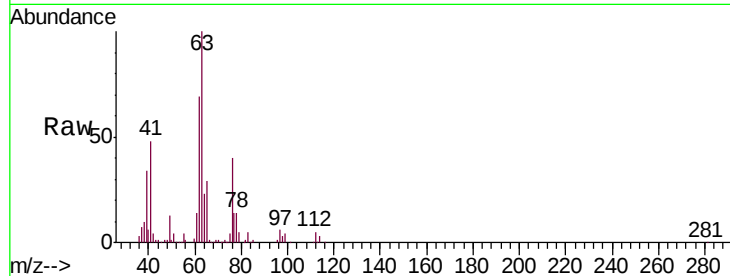




#45
 1,2-Dichloropropane
 Concen: 17.254 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

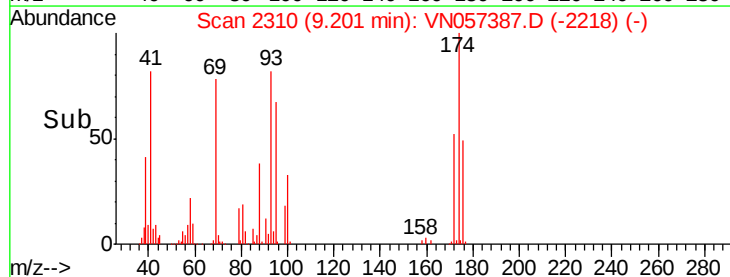
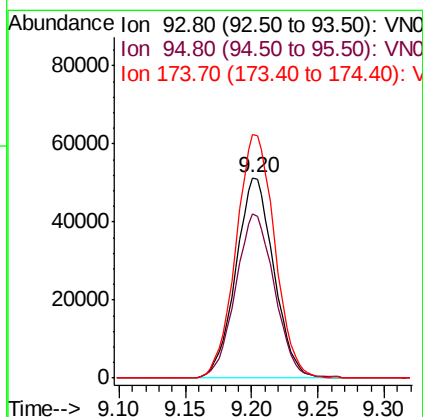
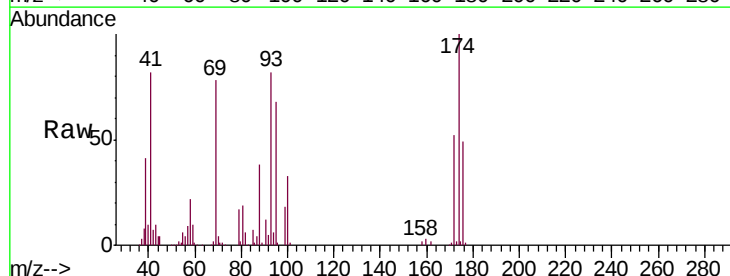
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

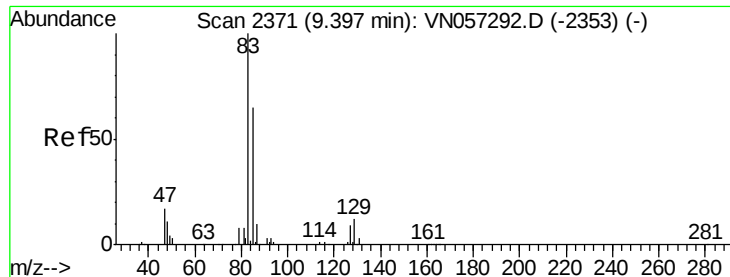
Tgt Ion: 63 Resp: 153500
 Ion Ratio Lower Upper
 63 100
 65 29.1 24.8 37.2



#46
 Dibromomethane
 Concen: 17.193 ug/l
 RT: 9.20 min Scan# 2310
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion: 93 Resp: 102043
 Ion Ratio Lower Upper
 93 100
 95 83.9 66.5 99.7
 174 123.8 95.7 143.5





#47

Bromodichloromethane

Concen: 17.748 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

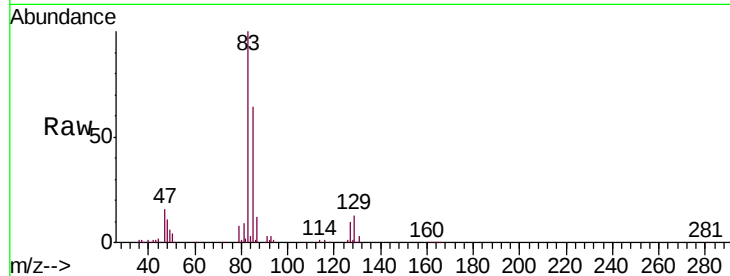
Tgt Ion: 83 Resp: 208699

Ion Ratio Lower Upper

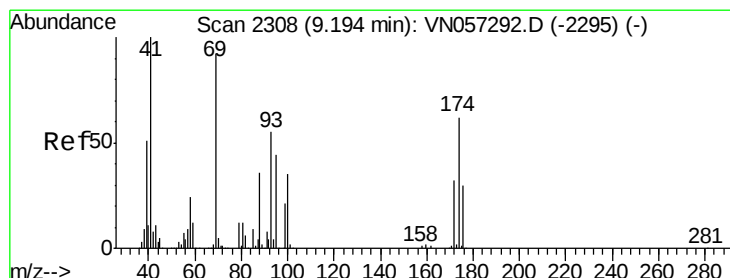
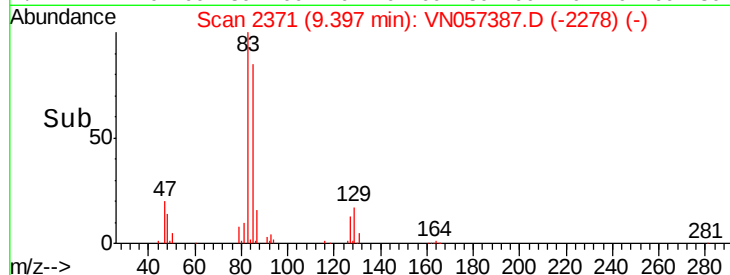
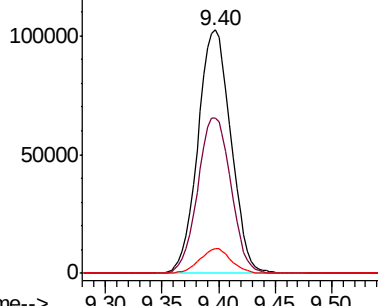
83 100

85 64.0 51.9 77.9

127 10.1 7.2 10.8



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



#48

Methyl methacrylate

Concen: 15.773 ug/l

RT: 9.19 min Scan# 2307

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

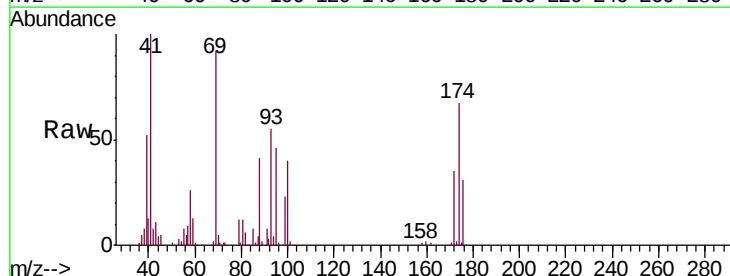
Tgt Ion: 41 Resp: 120043

Ion Ratio Lower Upper

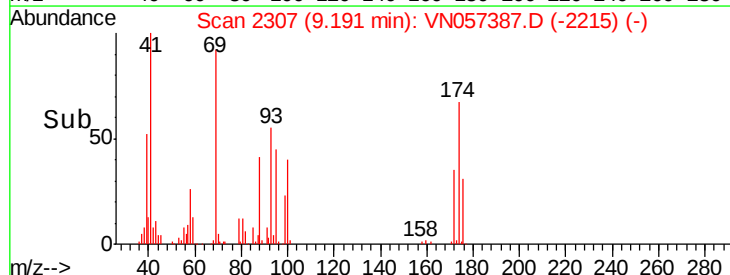
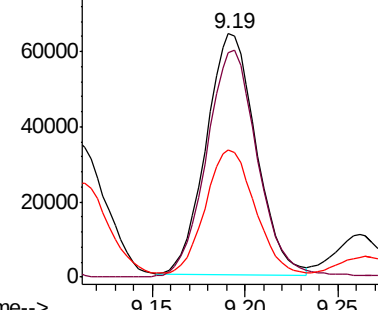
41 100

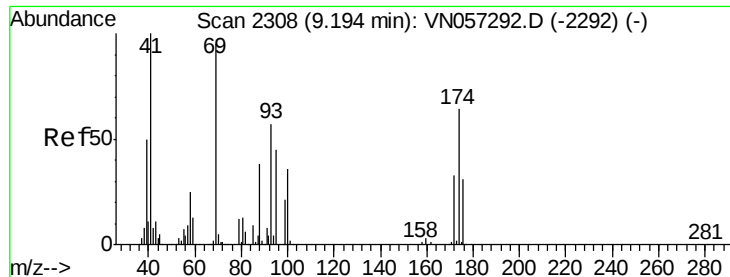
69 97.4 75.9 113.9

39 54.0 42.3 63.5



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





#49

1,4-Dioxane

Concen: 350.191 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

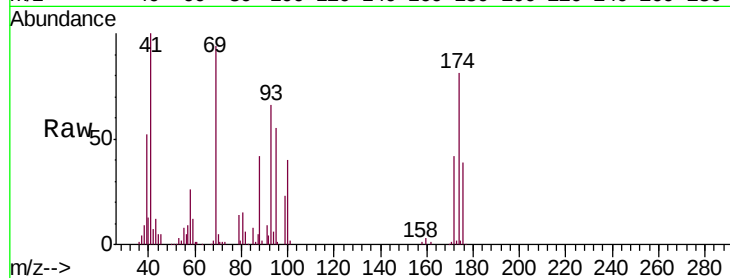
Tgt Ion: 88 Resp: 56049

Ion Ratio Lower Upper

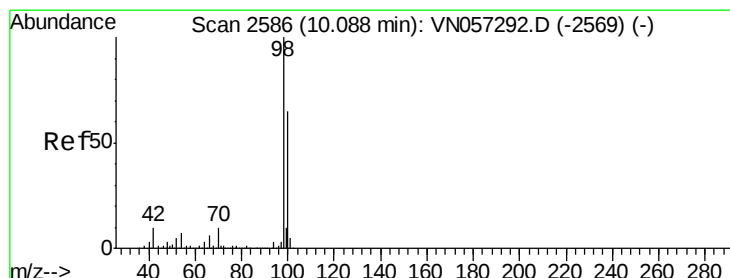
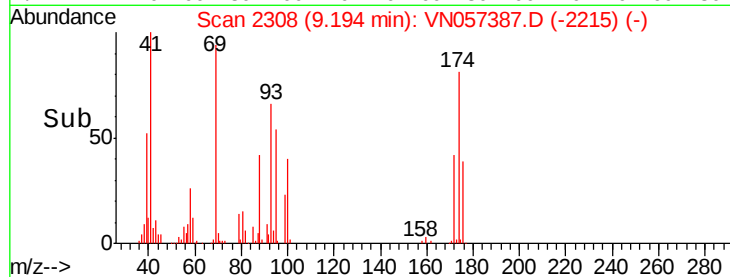
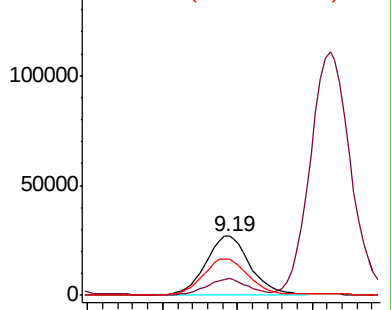
88 100

43 24.6 22.9 34.3

58 63.0 52.7 79.1



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



#50

Toluene-d8

Concen: 47.140 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN057387.D

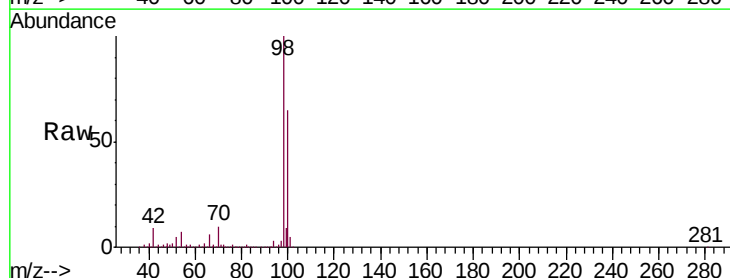
Acq: 19 Aug 2019 9:52

Tgt Ion: 98 Resp: 1444477

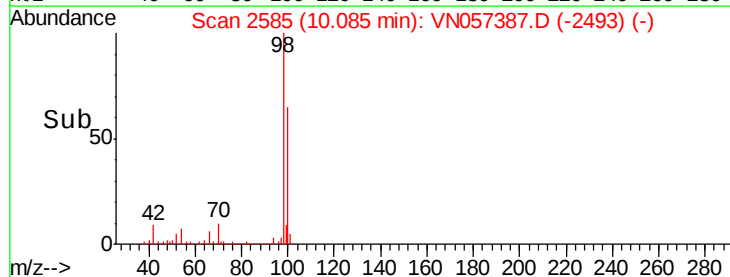
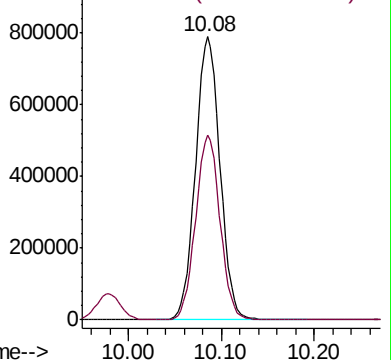
Ion Ratio Lower Upper

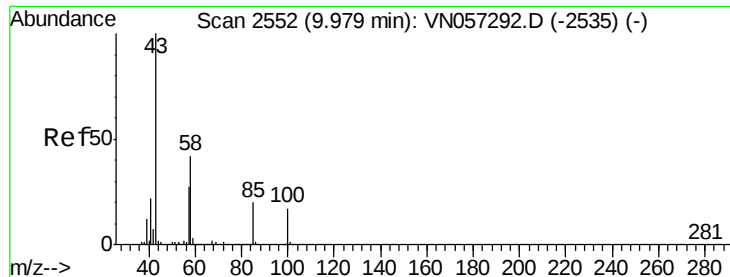
98 100

100 65.0 51.9 77.9



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

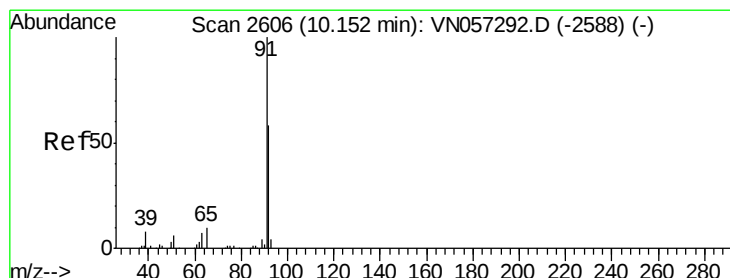
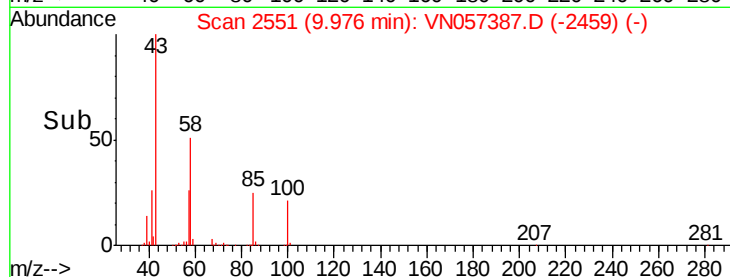
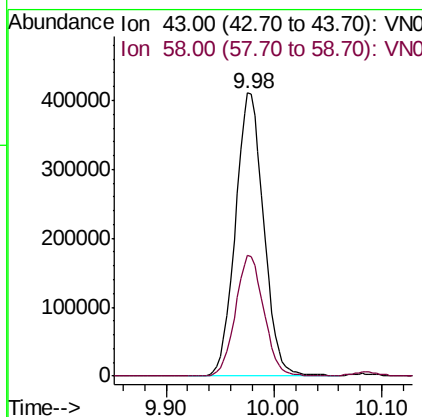
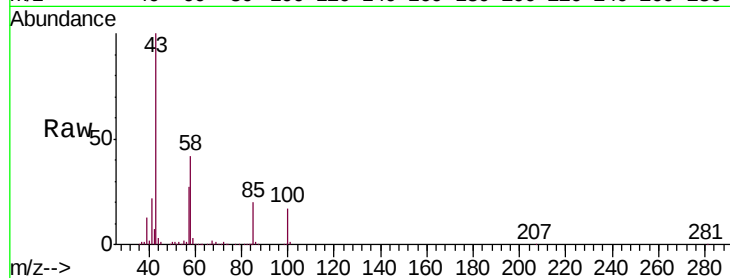




#51
 4-Methyl-2-Pentanone
 Concen: 78.717 ug/l
 RT: 9.98 min Scan# 2551
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

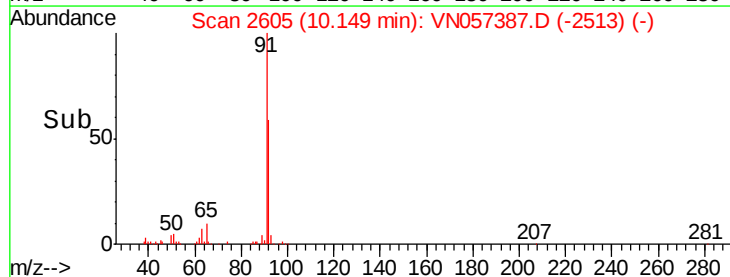
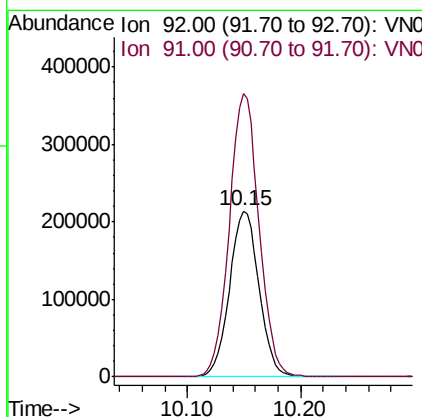
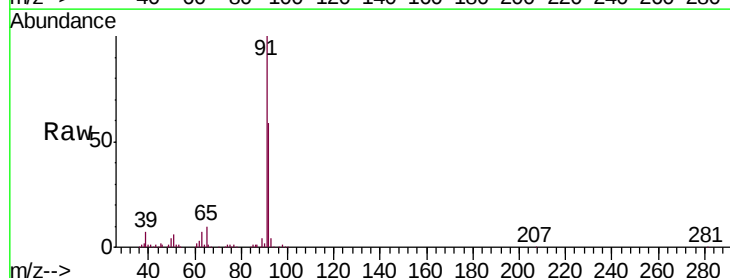
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

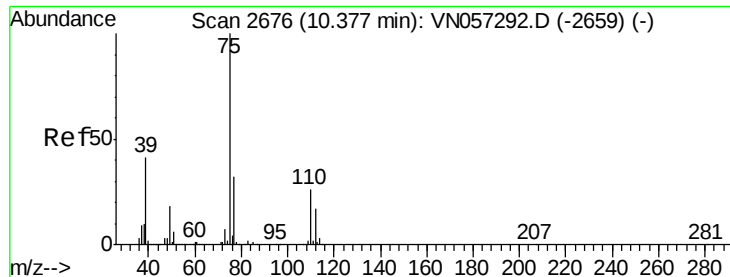
Tgt Ion: 43 Resp: 750548
 Ion Ratio Lower Upper
 43 100
 58 42.8 33.2 49.8



#52
 Toluene
 Concen: 18.068 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion: 92 Resp: 388151
 Ion Ratio Lower Upper
 92 100
 91 171.8 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 17.402 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

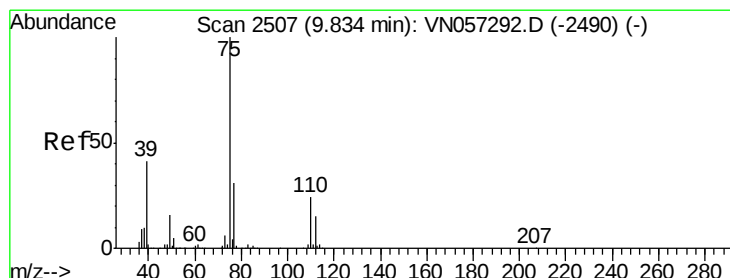
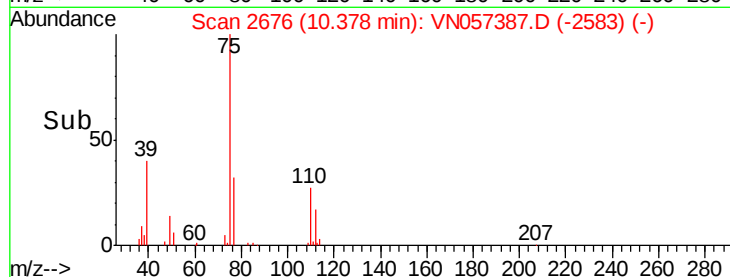
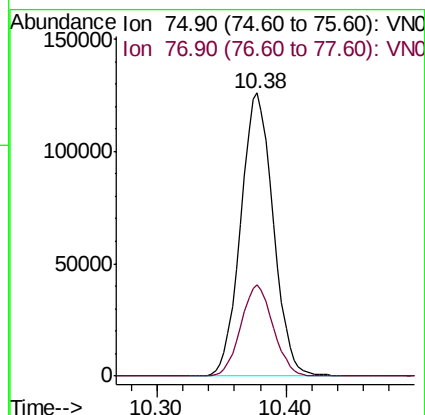
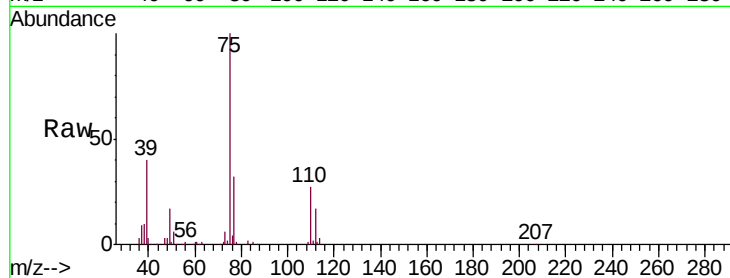
VN0819WBS01

Tgt Ion: 75 Resp: 221346

Ion Ratio Lower Upper

75 100

77 32.3 25.5 38.3



#54

cis-1,3-Dichloropropene

Concen: 17.855 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

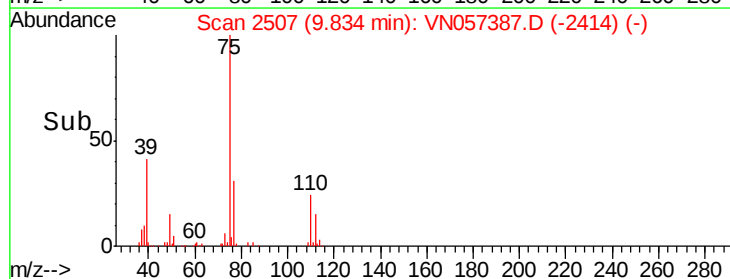
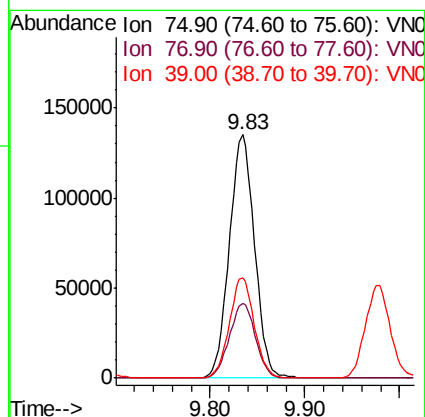
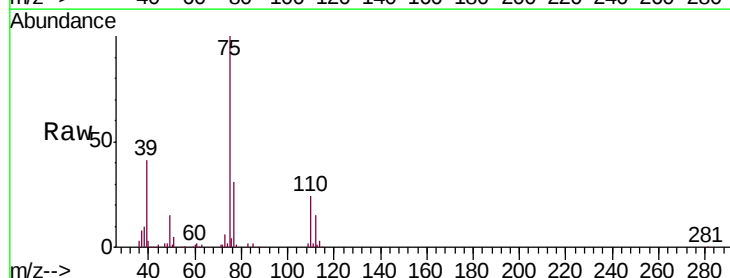
Tgt Ion: 75 Resp: 250439

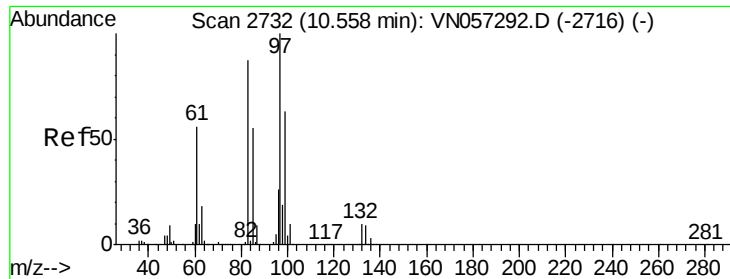
Ion Ratio Lower Upper

75 100

77 30.9 24.9 37.3

39 41.3 32.7 49.1





#55

1,1,2-Trichloroethane

Concen: 17.579 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

Tgt Ion: 97 Resp: 148499

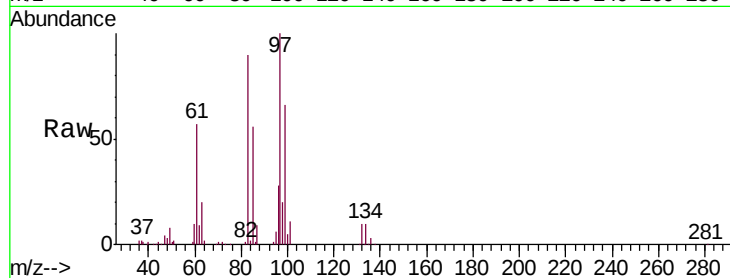
Ion Ratio Lower Upper

97 100

83 90.3 69.8 104.8

85 56.0 44.1 66.1

99 65.5 50.2 75.2

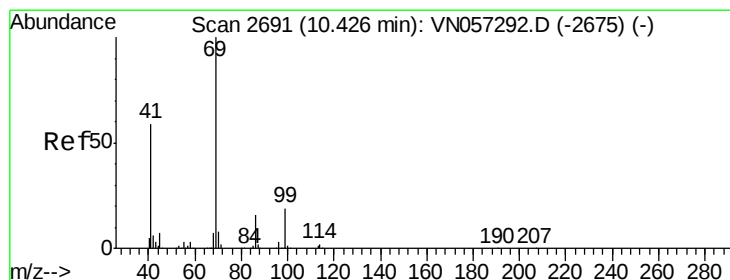
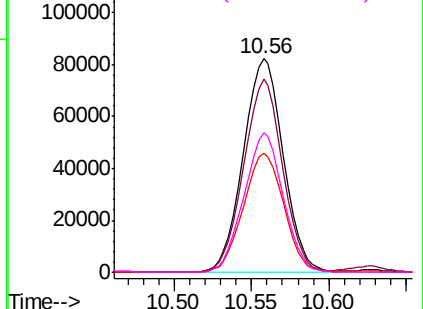
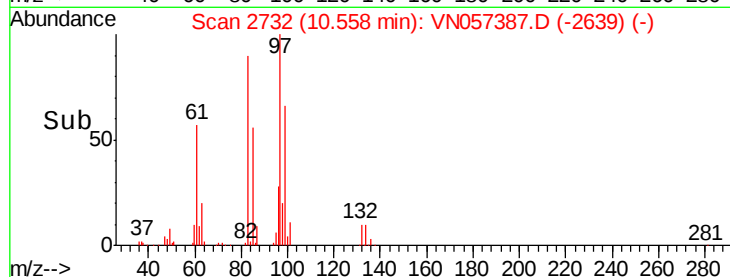


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 16.866 ug/l

RT: 10.42 min Scan# 2690

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

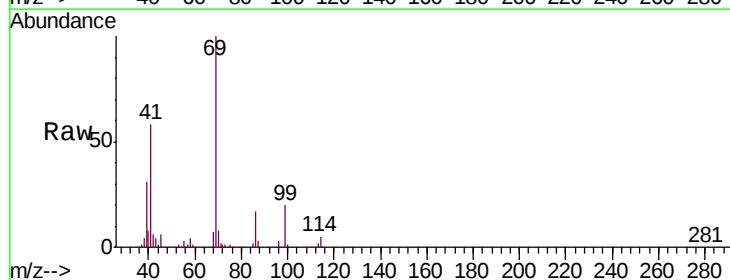
Tgt Ion: 69 Resp: 207922

Ion Ratio Lower Upper

69 100

41 57.0 48.2 72.2

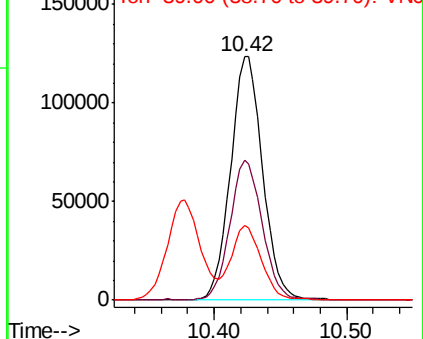
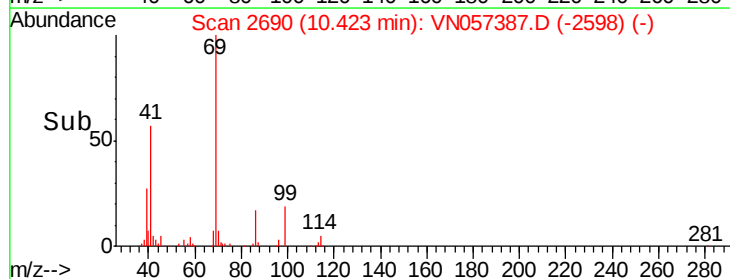
39 28.6 23.4 35.0

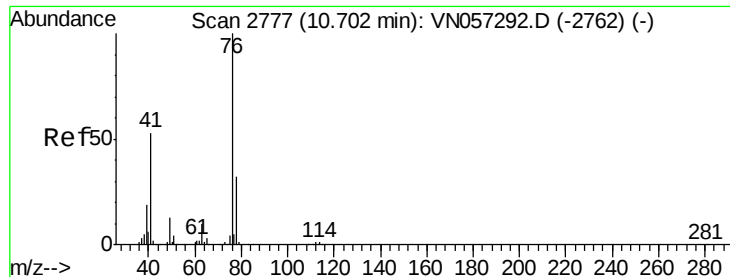


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 17.728 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

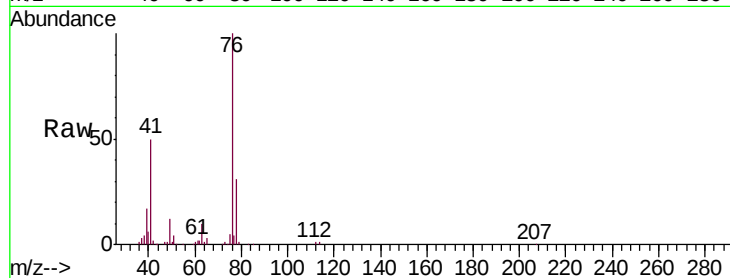
VN0819WBS01

Tgt Ion: 76 Resp: 250183

Ion Ratio Lower Upper

76 100

78 31.2 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

10.70

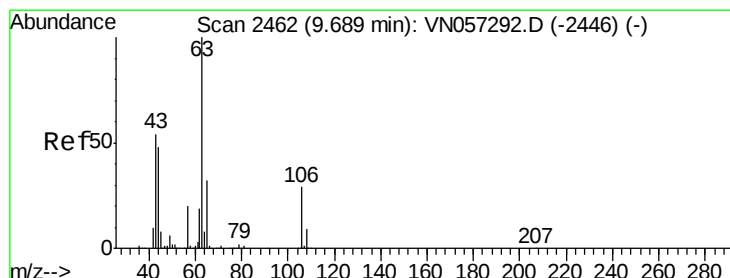
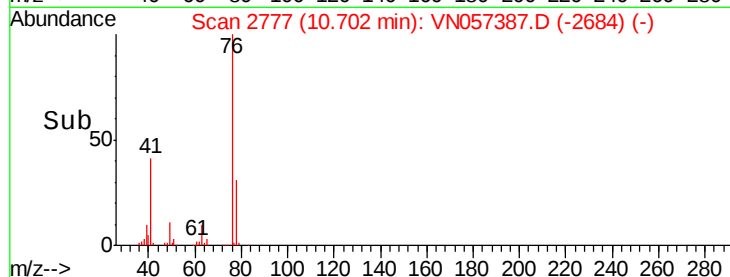
150000

100000

50000

0

Time--> 10.60 10.70 10.80



#58

2-Chloroethyl Vinyl ether

Concen: 84.658 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057387.D

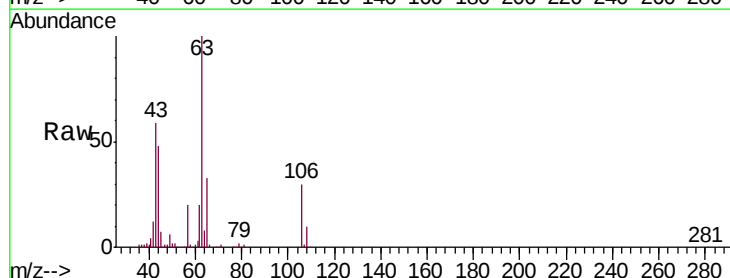
Acq: 19 Aug 2019 9:52

Tgt Ion: 63 Resp: 266438

Ion Ratio Lower Upper

63 100

106 29.6 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

9.69

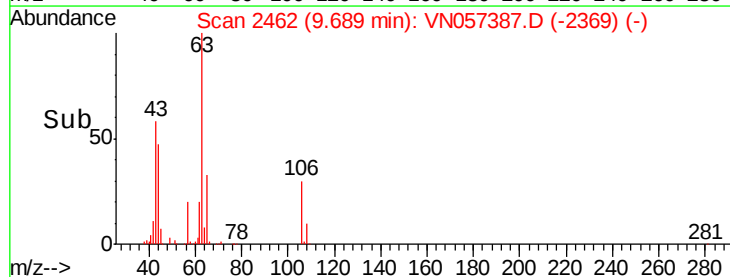
150000

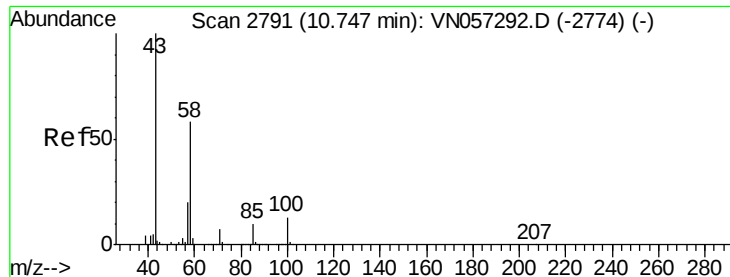
100000

50000

0

Time--> 9.60 9.70 9.80

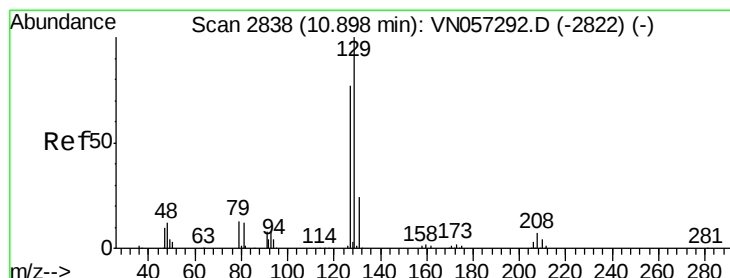
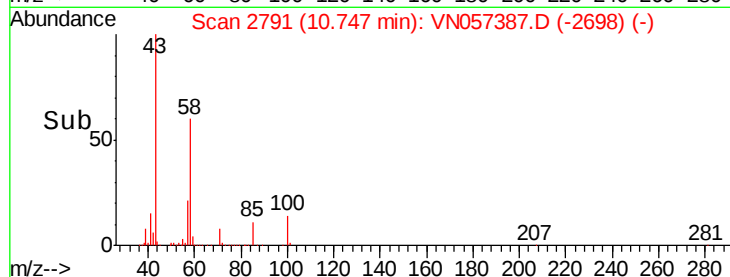
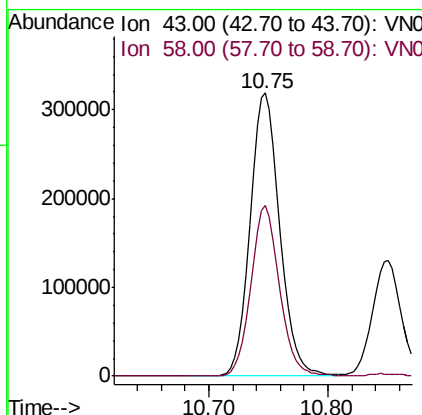
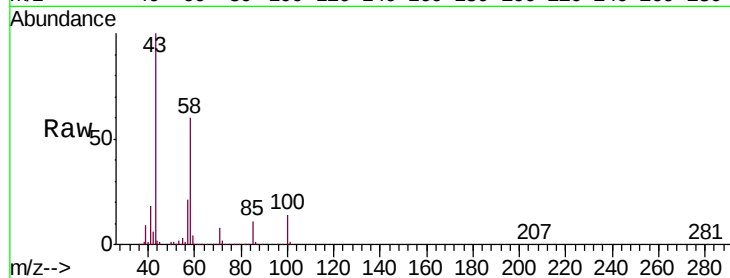




#59
2-Hexanone
Concen: 79.784 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

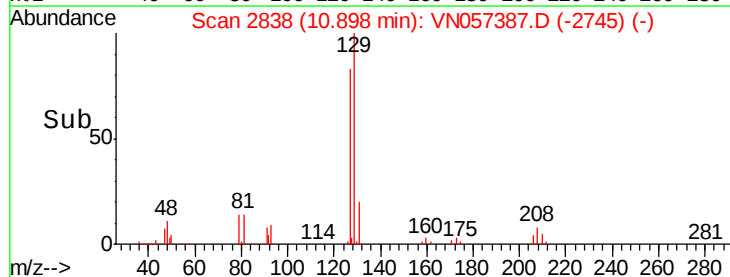
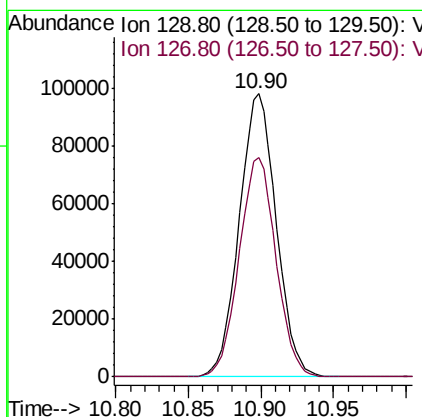
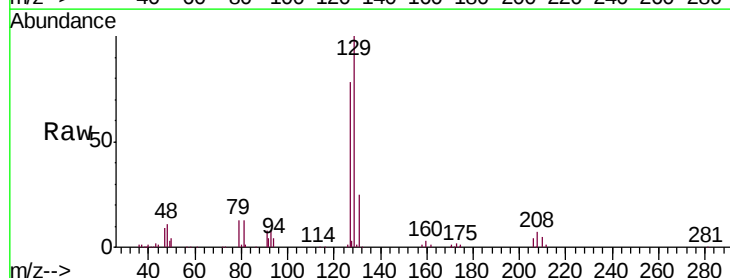
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

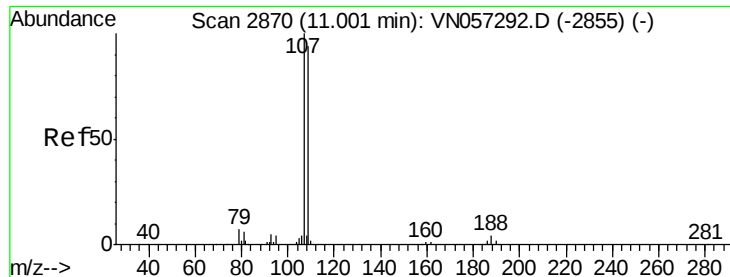
Tgt Ion: 43 Resp: 546906
Ion Ratio Lower Upper
43 100
58 58.3 28.6 85.9



#60
Dibromochloromethane
Concen: 18.403 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion: 129 Resp: 174214
Ion Ratio Lower Upper
129 100
127 77.2 39.0 116.9





#61

1,2-Dibromoethane

Concen: 17.425 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

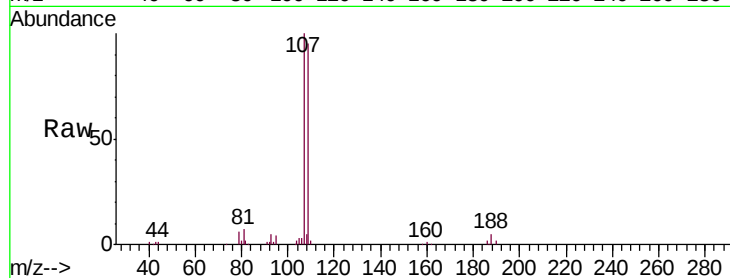
VN0819WBS01

Tgt Ion: 107 Resp: 156801

Ion Ratio Lower Upper

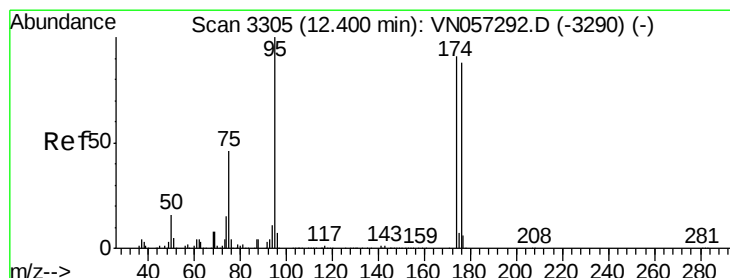
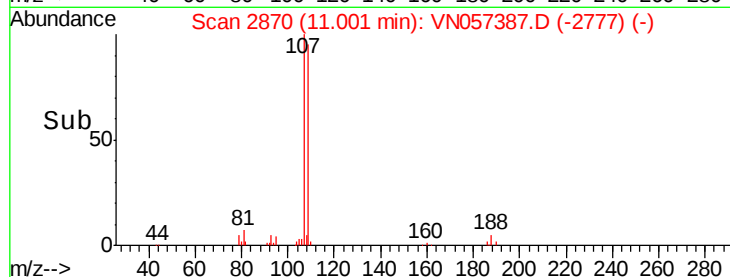
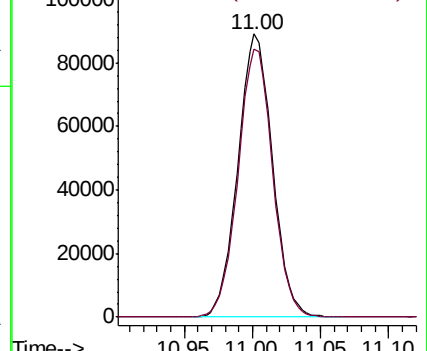
107 100

109 94.8 75.7 113.5



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 42.573 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

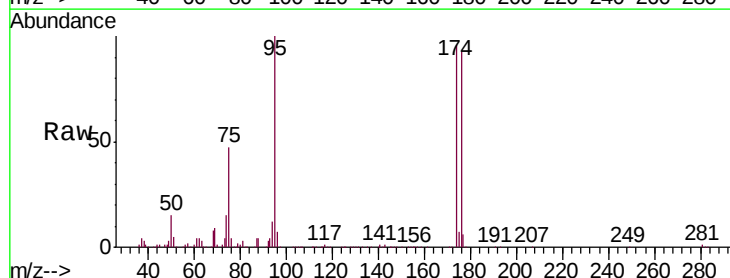
Tgt Ion: 95 Resp: 461010

Ion Ratio Lower Upper

95 100

174 97.7 0.0 185.0

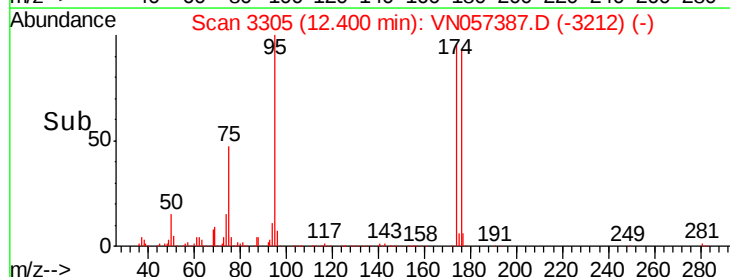
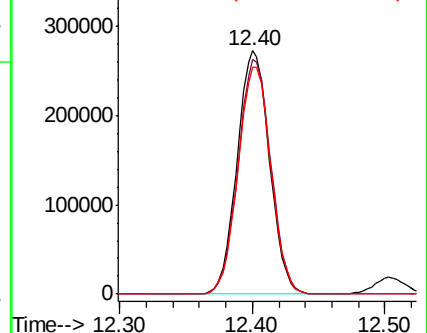
176 95.0 0.0 181.0

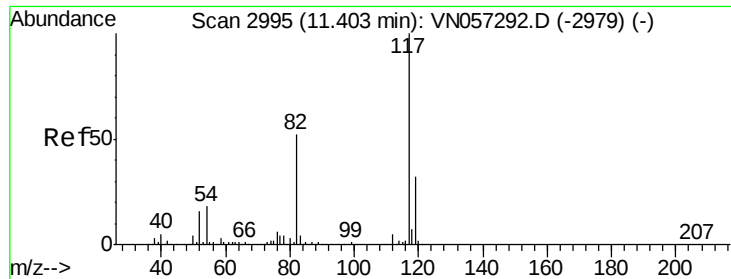


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

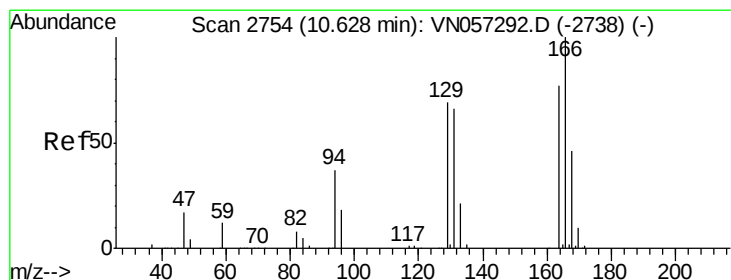
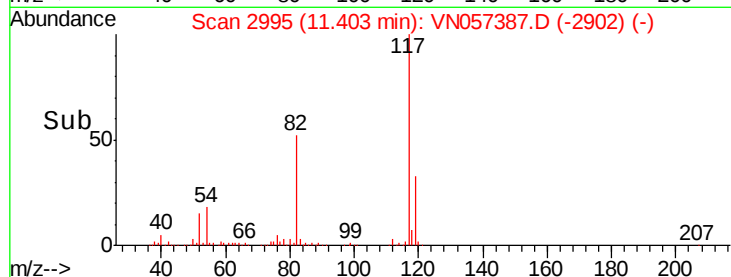
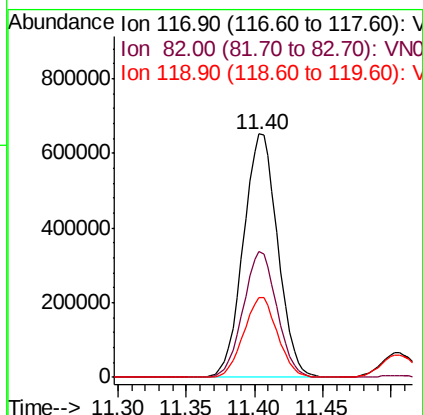
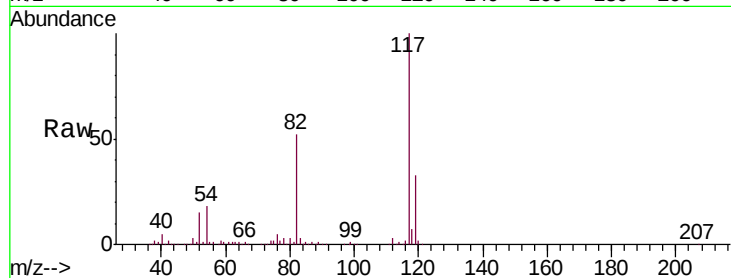




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.40 min Scan# 2995
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

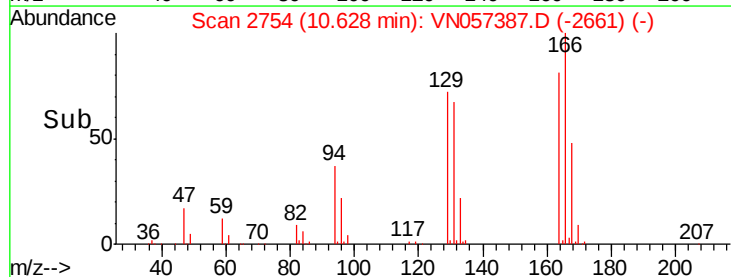
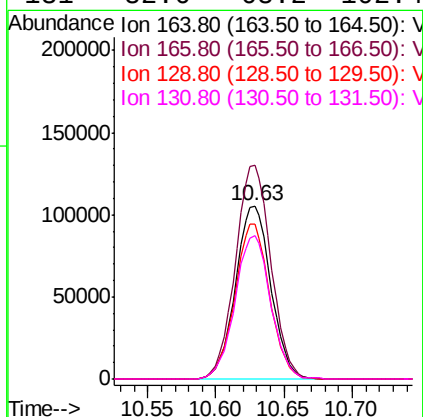
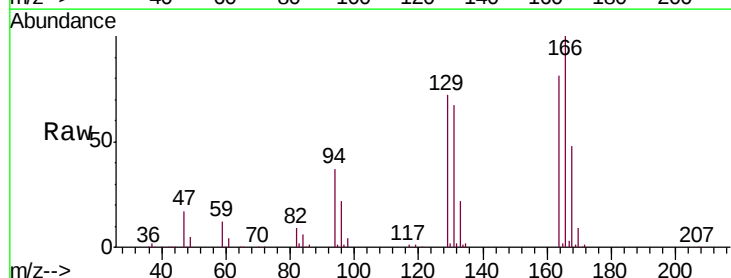
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

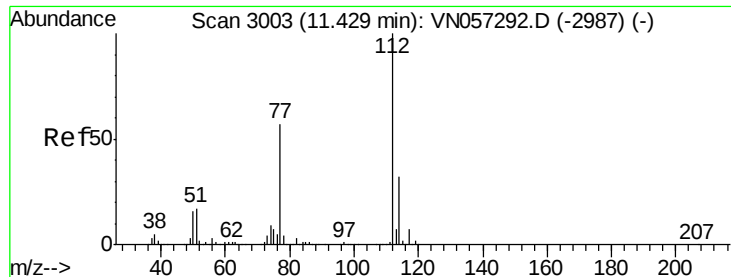
Tgt Ion:117 Resp: 1139358
Ion Ratio Lower Upper
117 100
82 51.8 41.2 61.8
119 33.0 25.8 38.8



#64
Tetrachloroethene
Concen: 19.200 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion:164 Resp: 189106
Ion Ratio Lower Upper
164 100
166 123.4 103.5 155.3
129 89.3 71.2 106.8
131 82.6 68.2 102.4

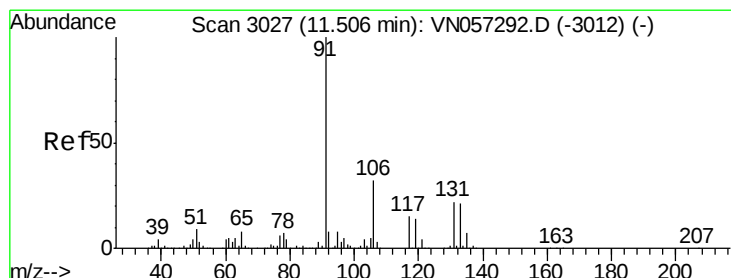
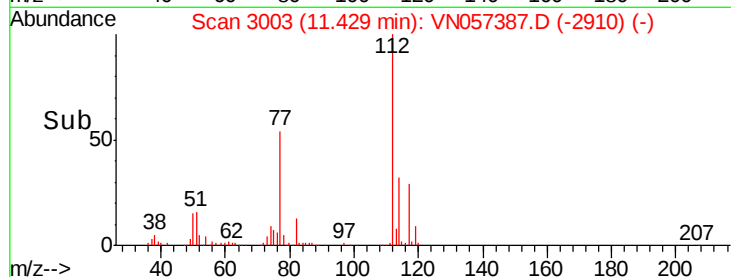
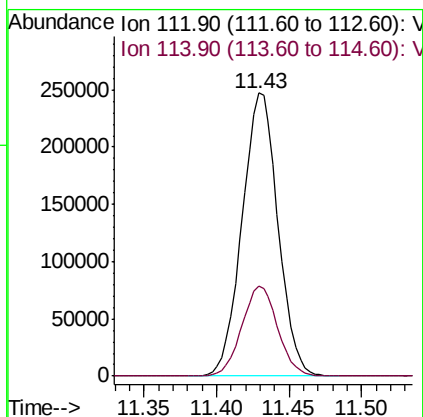
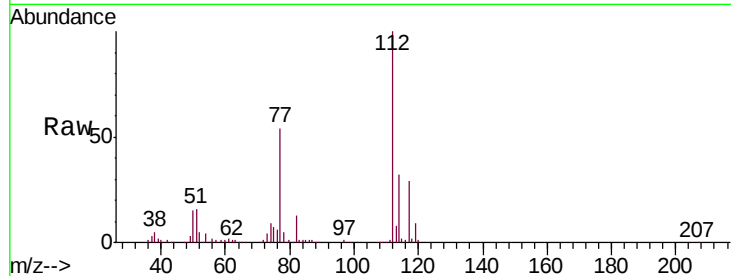




#65
Chlorobenzene
Concen: 18.338 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

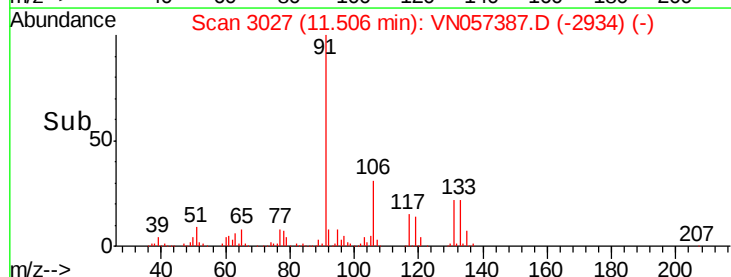
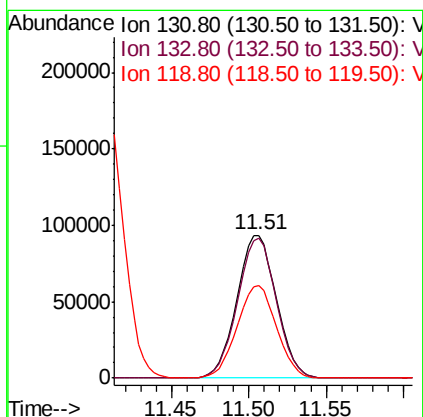
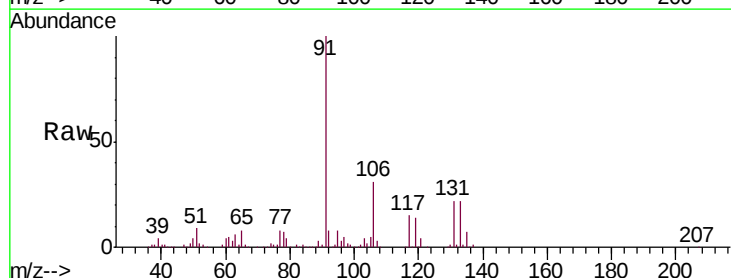
Instrument :
MSVOA_N
ClientSampled :
VN0819WBS01

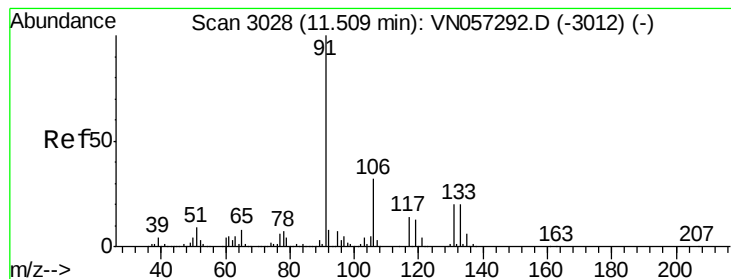
Tgt Ion:112 Resp: 426133
Ion Ratio Lower Upper
112 100
114 31.7 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 18.633 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion:131 Resp: 165823
Ion Ratio Lower Upper
131 100
133 96.3 47.6 142.8
119 64.4 32.0 96.2





#67

Ethyl Benzene

Concen: 17.720 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

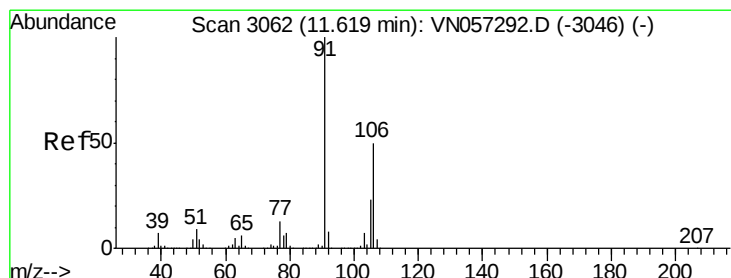
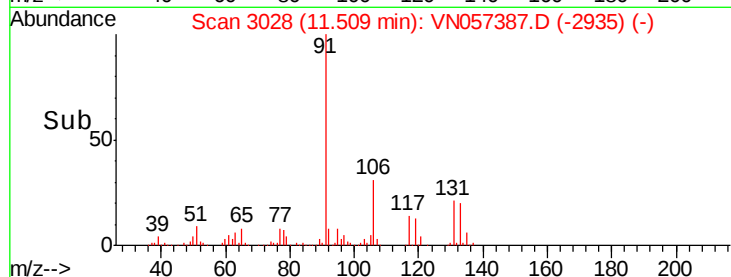
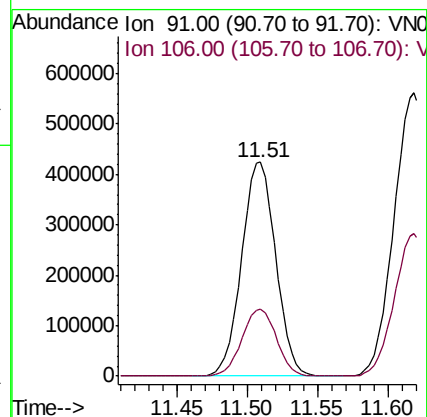
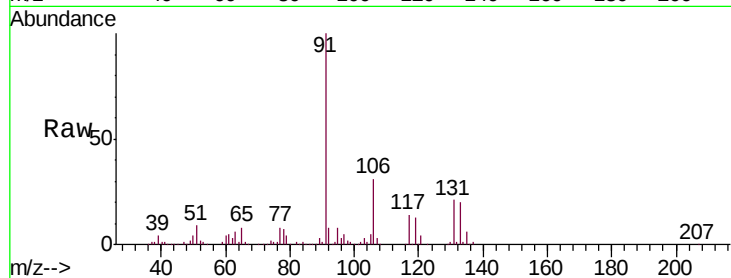
VN0819WBS01

Tgt Ion: 91 Resp: 720408

Ion Ratio Lower Upper

91 100

106 31.1 25.5 38.3



#68

m/p-Xylenes

Concen: 36.354 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057387.D

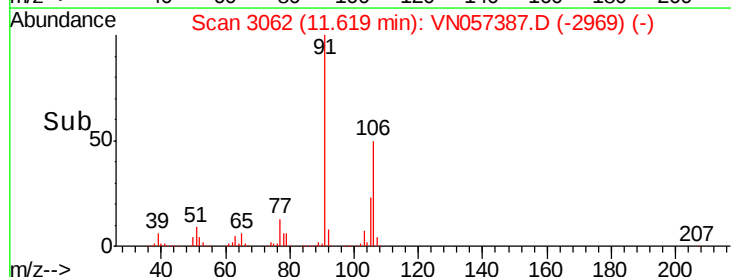
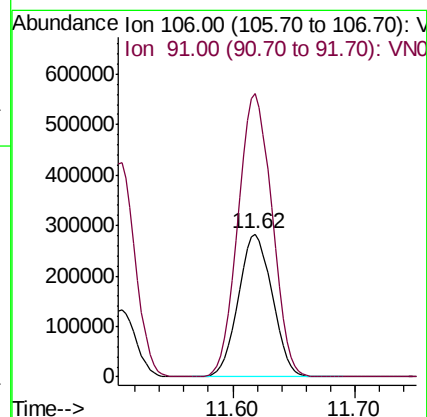
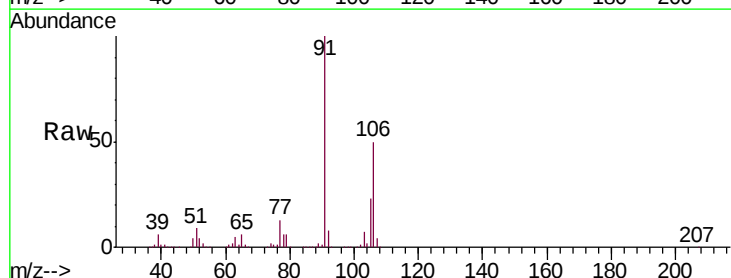
Acq: 19 Aug 2019 9:52

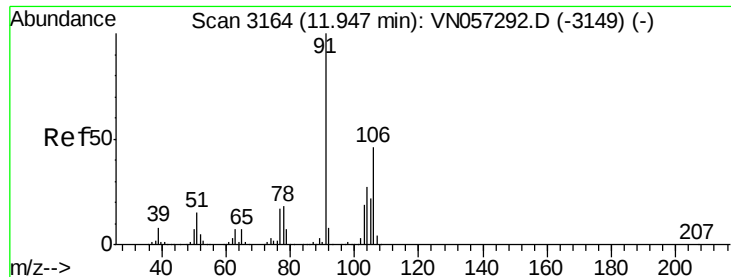
Tgt Ion: 106 Resp: 544552

Ion Ratio Lower Upper

106 100

91 199.4 161.5 242.3

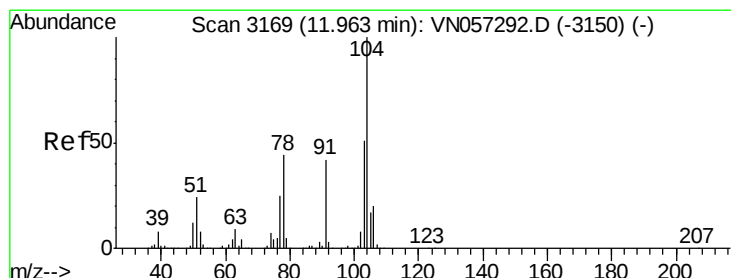
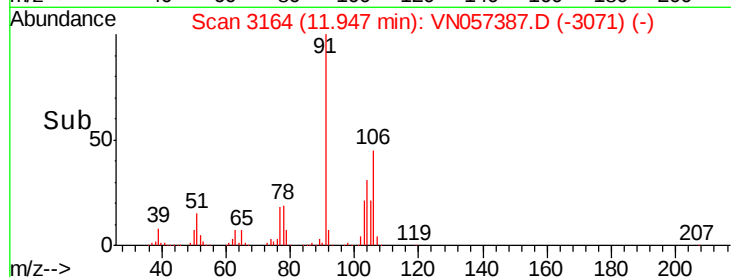
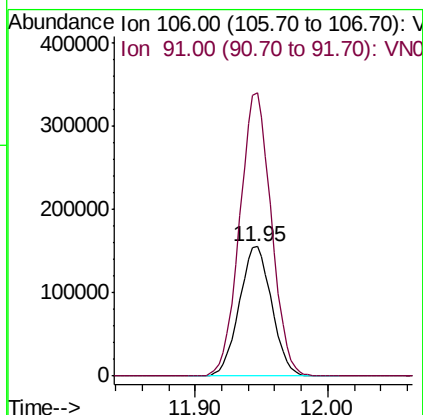
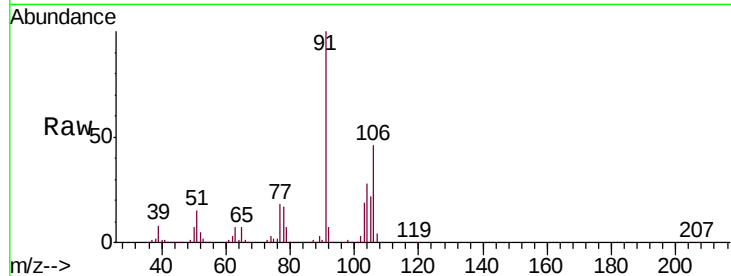




#69
o-Xylene
Concen: 17.964 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

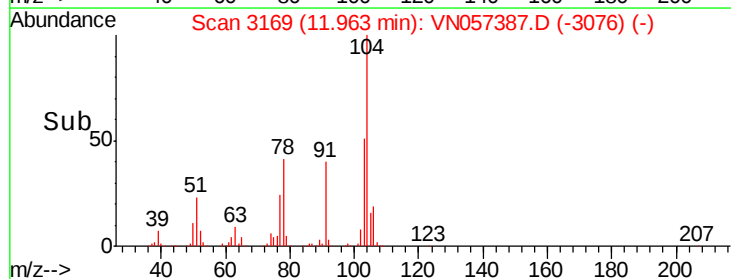
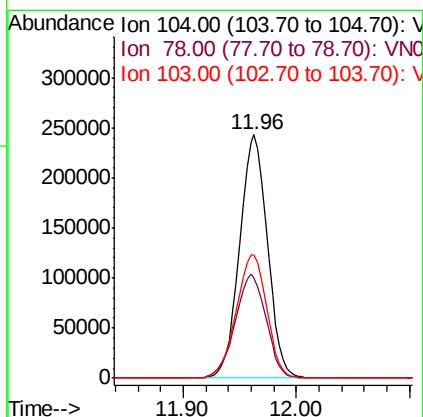
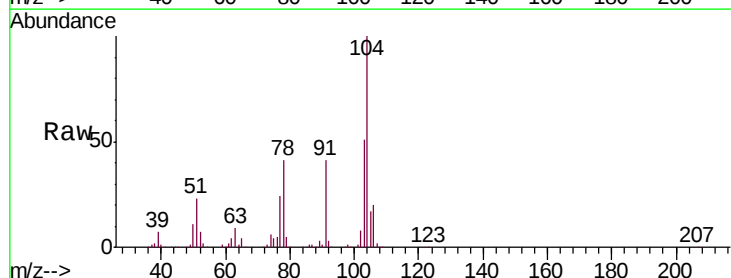
Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

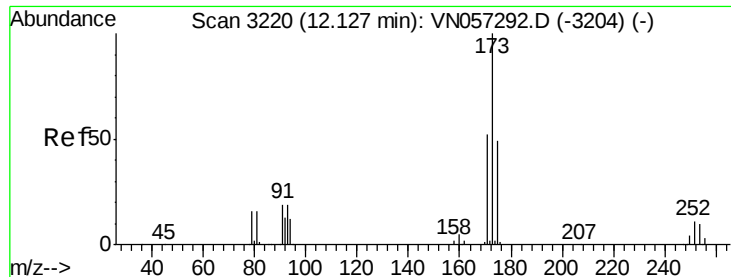
Tgt Ion:106 Resp: 264197
Ion Ratio Lower Upper
106 100
91 212.5 106.3 319.0



#70
Styrene
Concen: 17.799 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion:104 Resp: 417279
Ion Ratio Lower Upper
104 100
78 47.3 39.2 58.8
103 55.6 44.6 66.8

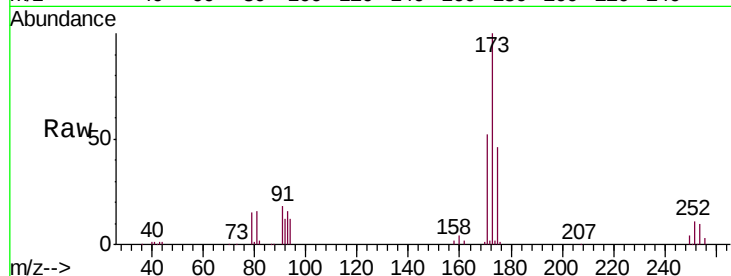




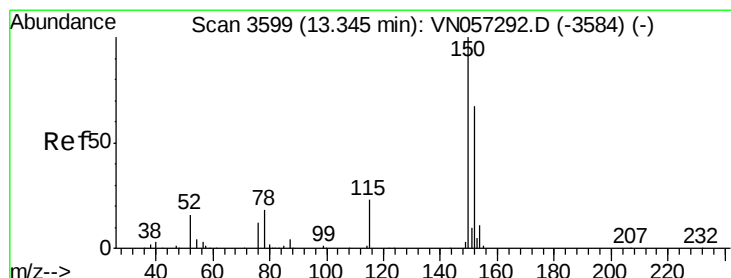
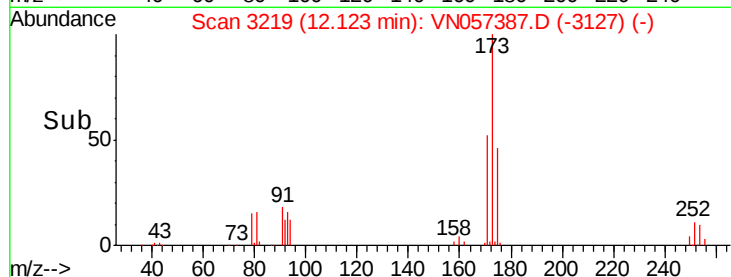
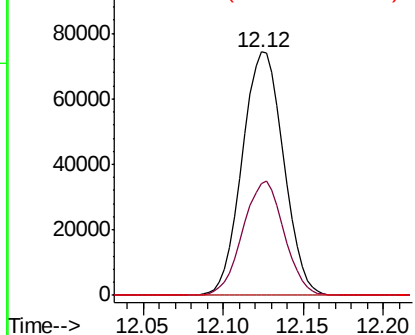
#71
Bromoform
Concen: 18.696 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Instrument :
MSVOA_N
ClientSampleId :
VN0819WBS01

Tgt Ion:173 Resp: 131264
Ion Ratio Lower Upper
173 100
175 46.8 24.2 72.6
254 0.0 0.2 0.2#

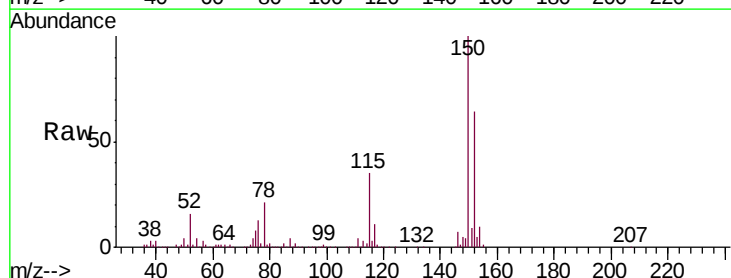


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

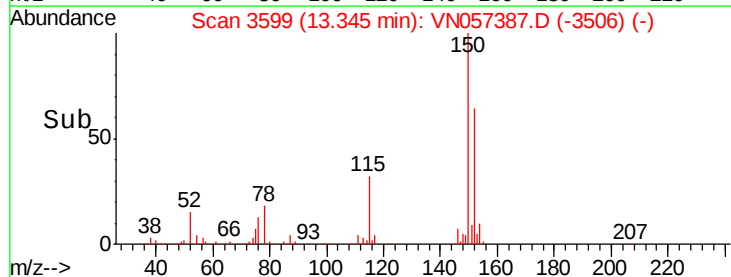
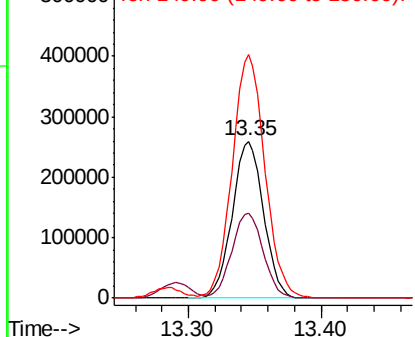


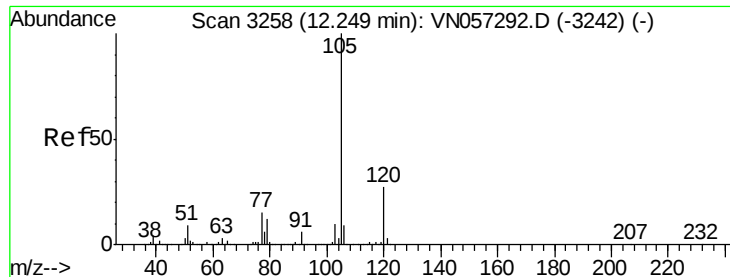
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN057387.D
Acq: 19 Aug 2019 9:52

Tgt Ion:152 Resp: 423671
Ion Ratio Lower Upper
152 100
115 54.6 27.3 81.9
150 161.9 0.0 344.4



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





#73

Isopropylbenzene

Concen: 18.980 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

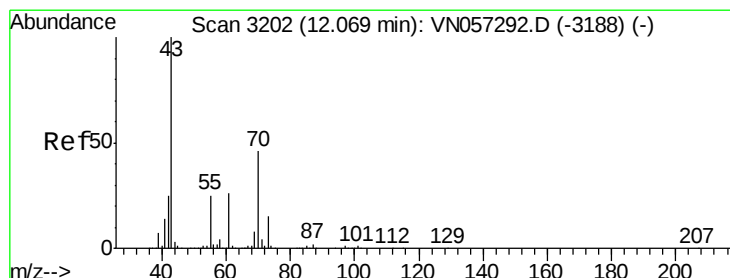
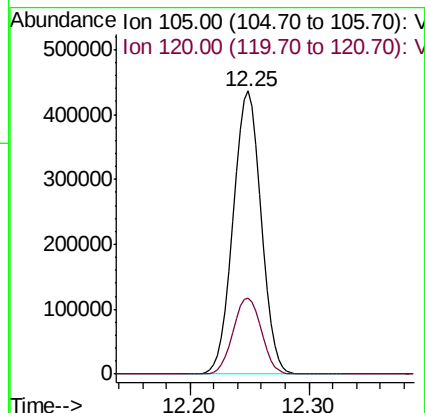
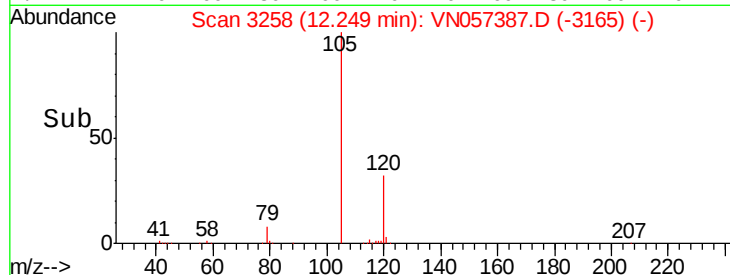
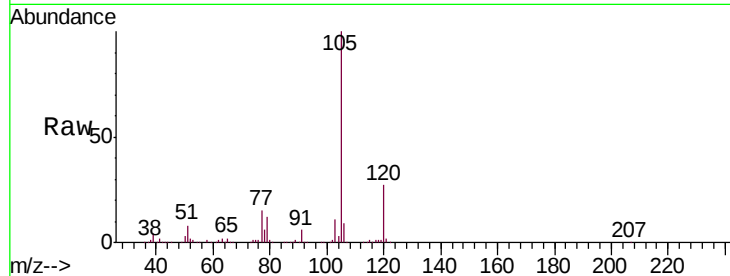
VN0819WBS01

Tgt Ion: 105 Resp: 710265

Ion Ratio Lower Upper

105 100

120 27.3 13.2 39.6



#74

N-ethyl acetate

Concen: 15.749 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Tgt Ion: 43 Resp: 193617

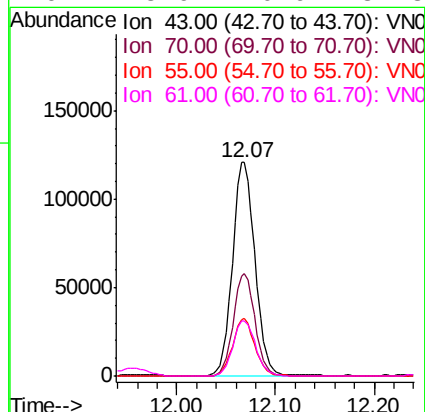
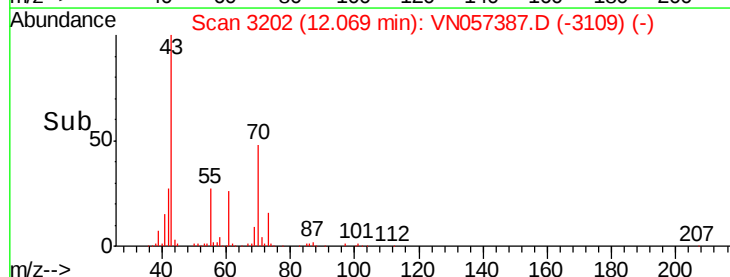
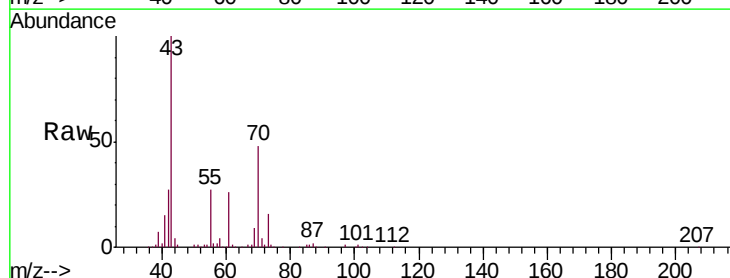
Ion Ratio Lower Upper

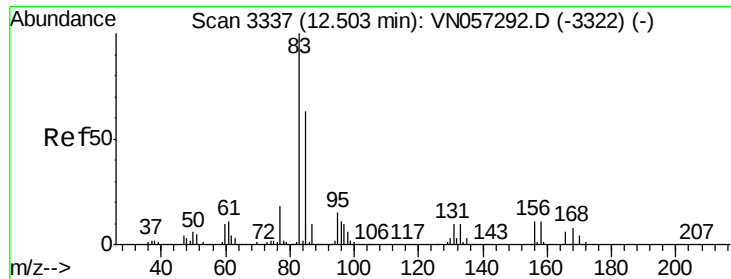
43 100

70 46.0 36.2 54.2

55 26.4 20.1 30.1

61 25.9 20.9 31.3





#75

1,1,2,2-Tetrachloroethane

Concen: 17.680 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

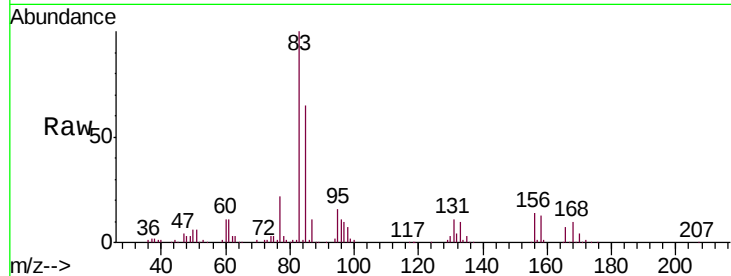
Tgt Ion: 83 Resp: 193733

Ion Ratio Lower Upper

83 100

131 11.7 5.4 16.2

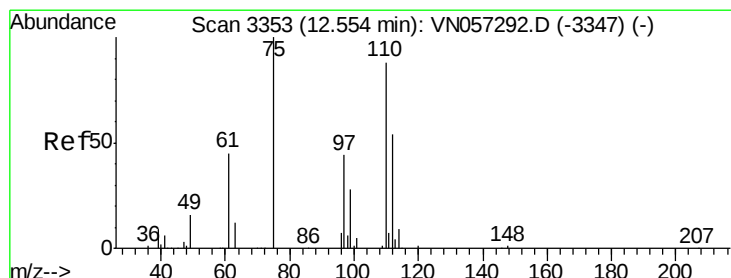
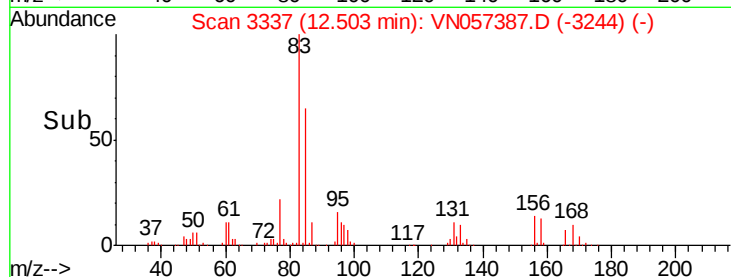
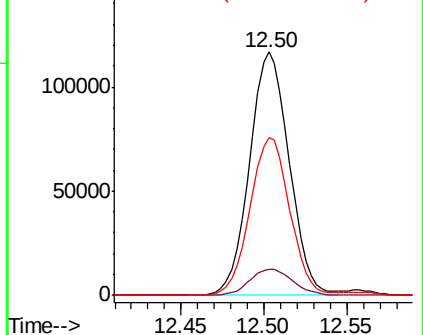
85 65.1 32.3 96.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 27.793 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057387.D

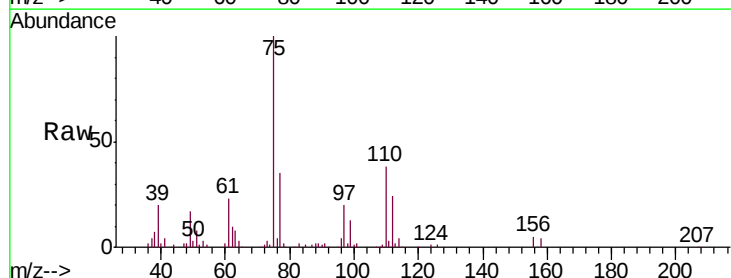
Acq: 19 Aug 2019 9:52

Tgt Ion: 75 Resp: 238759

Ion Ratio Lower Upper

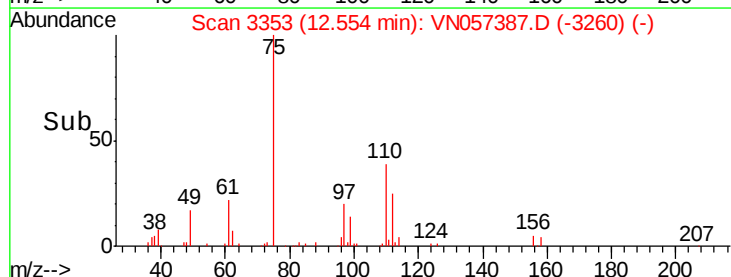
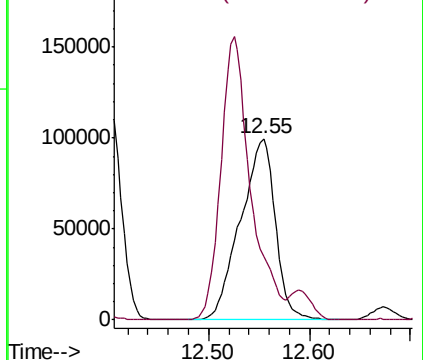
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 19.202 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

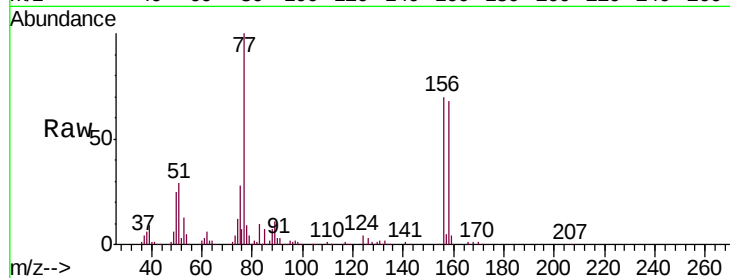
Tgt Ion: 156 Resp: 186445

Ion Ratio Lower Upper

156 100

77 173.3 89.8 269.6

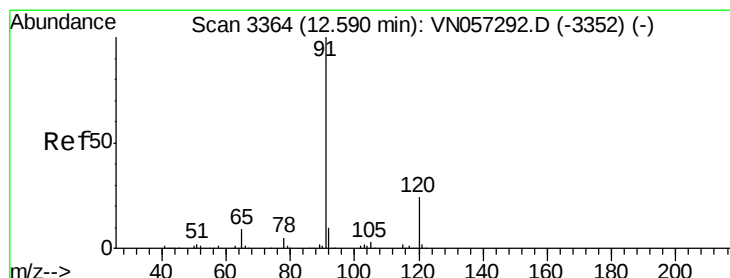
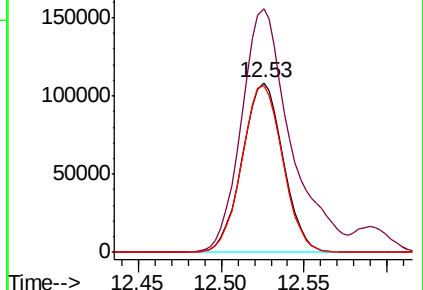
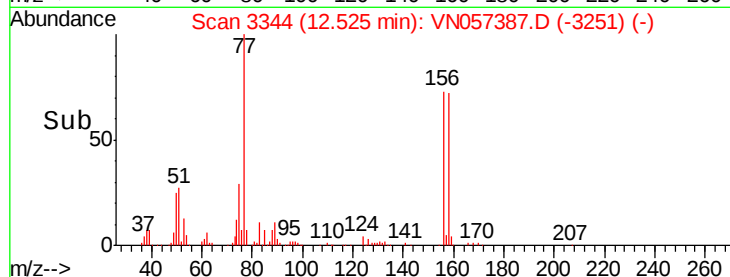
158 98.3 49.3 147.8



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: 17.366 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057387.D

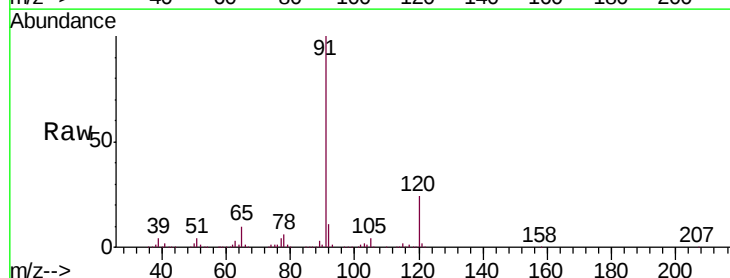
Acq: 19 Aug 2019 9:52

Tgt Ion: 91 Resp: 708503

Ion Ratio Lower Upper

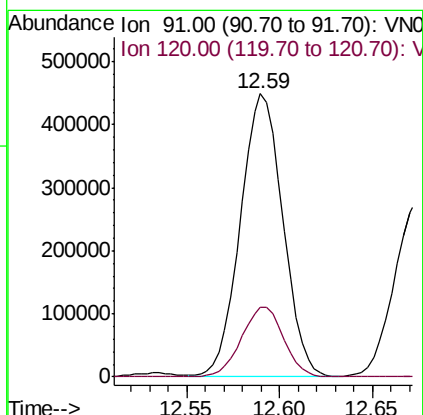
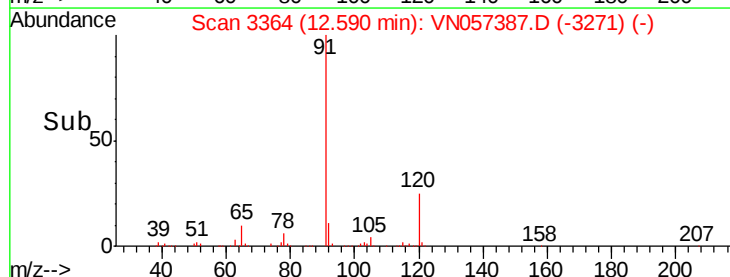
91 100

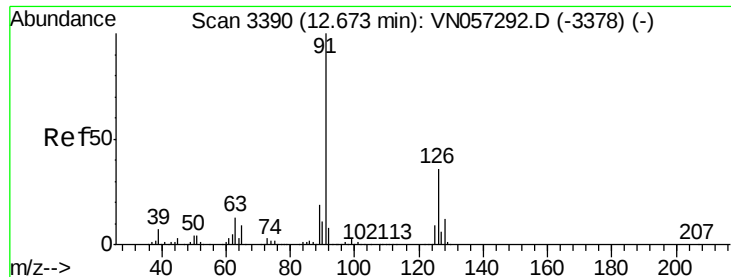
120 24.7 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 18.915 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

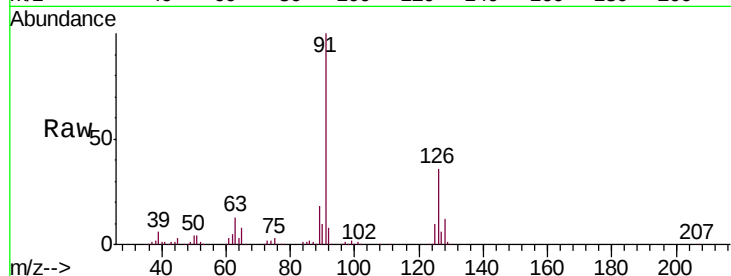
VN0819WBS01

Tgt Ion: 91 Resp: 454647

Ion Ratio Lower Upper

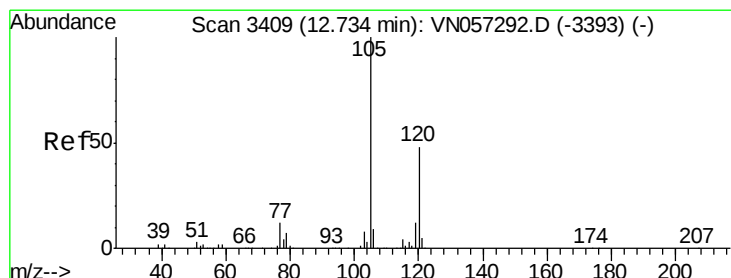
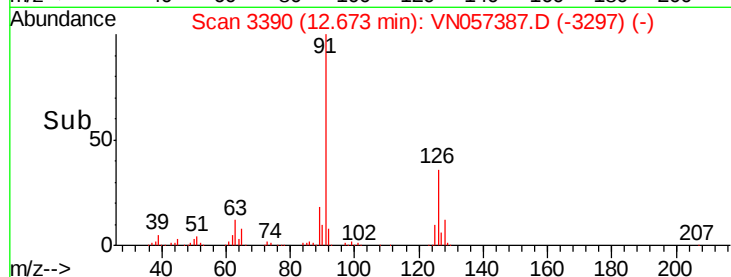
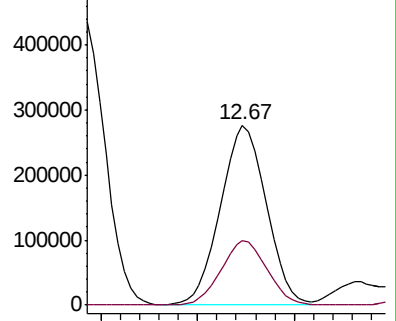
91 100

126 36.2 18.1 54.1



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN057292.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 18.910 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057387.D

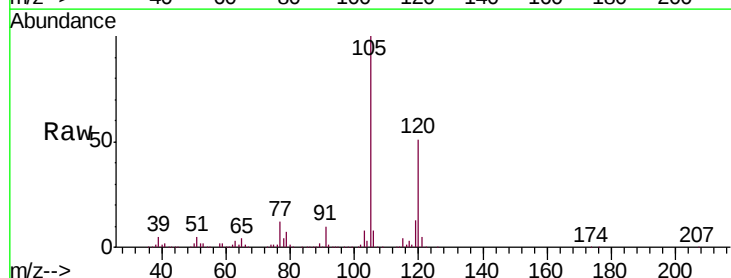
Acq: 19 Aug 2019 9:52

Tgt Ion: 105 Resp: 579850

Ion Ratio Lower Upper

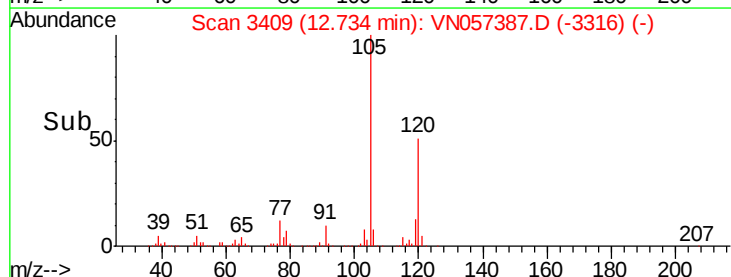
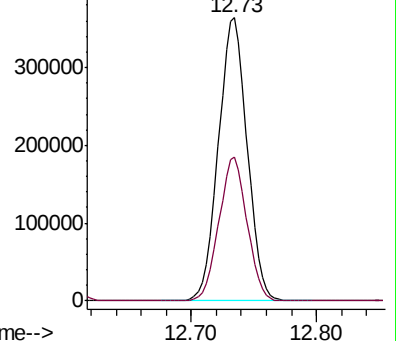
105 100

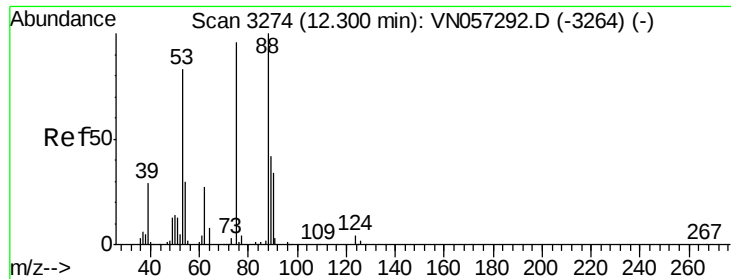
120 49.9 24.3 73.0



Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

Ion 120.00 (119.70 to 120.70): VN057292.D (-3393) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 16.979 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

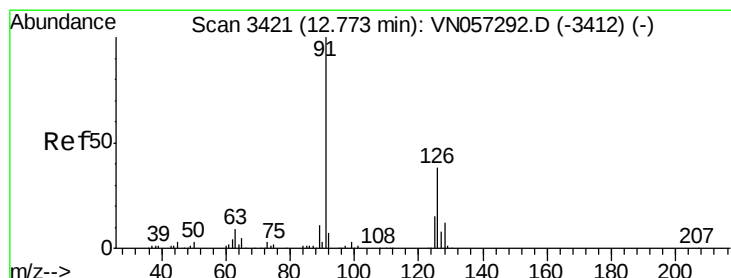
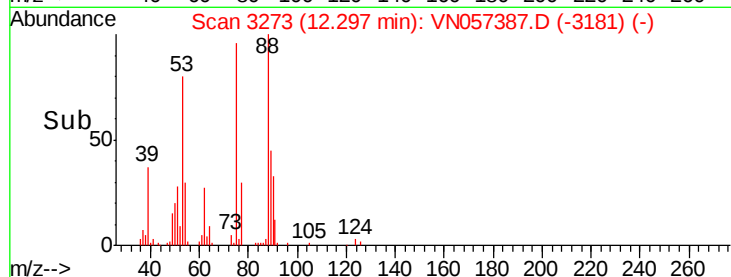
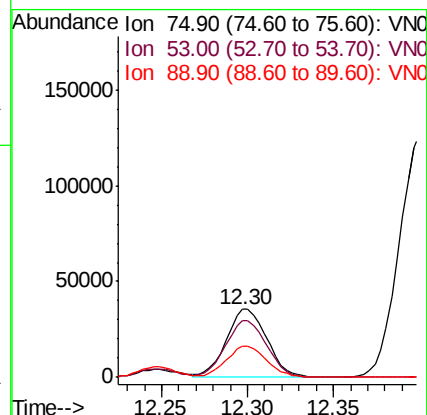
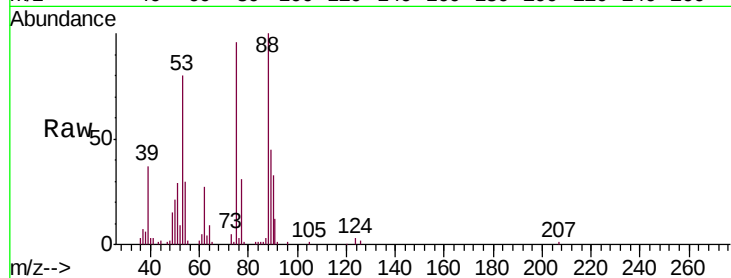
Tgt Ion: 75 Resp: 58993

Ion Ratio Lower Upper

75 100

53 83.1 67.9 101.9

89 45.5 36.2 54.4



#82

4-Chlorotoluene

Concen: 17.050 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057387.D

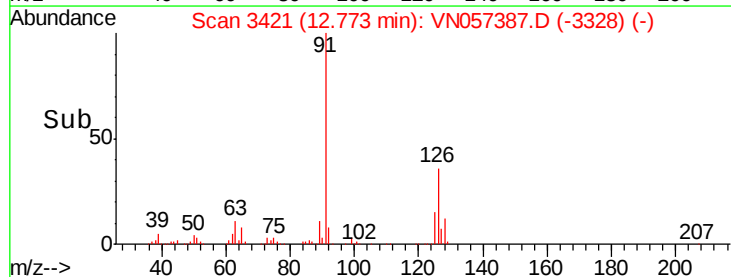
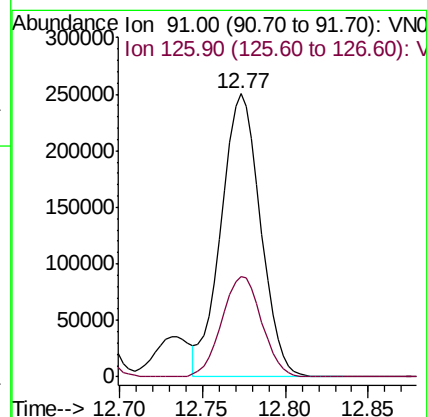
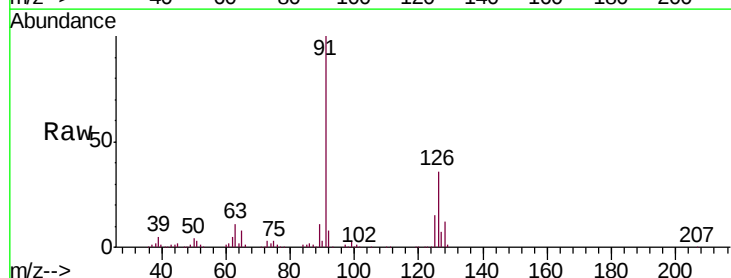
Acq: 19 Aug 2019 9:52

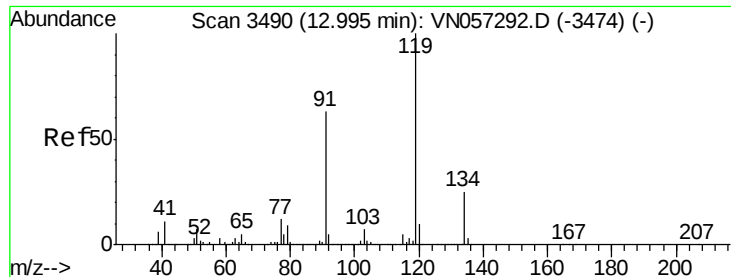
Tgt Ion: 91 Resp: 412205

Ion Ratio Lower Upper

91 100

126 36.1 17.3 51.7

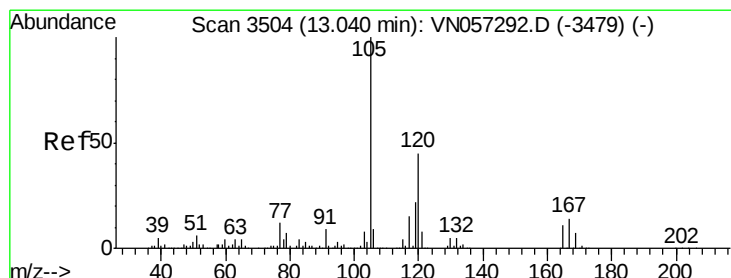
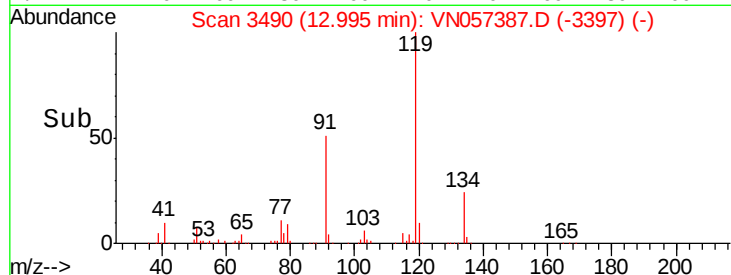
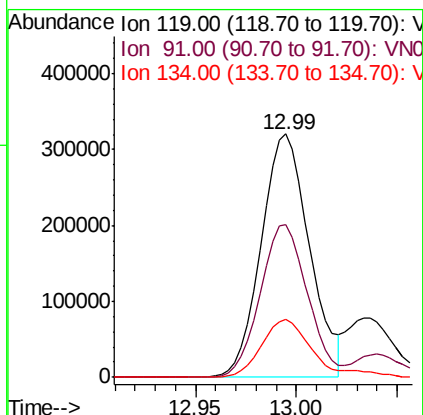
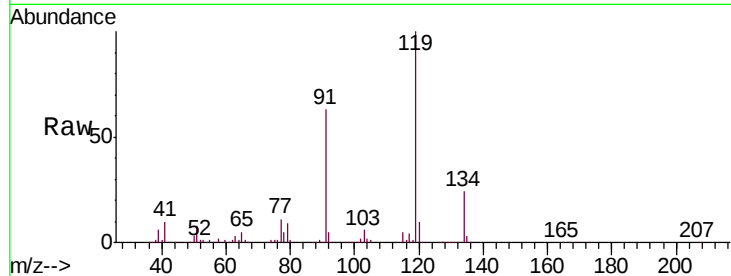




#83
 tert-Butylbenzene
 Concen: 19.514 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

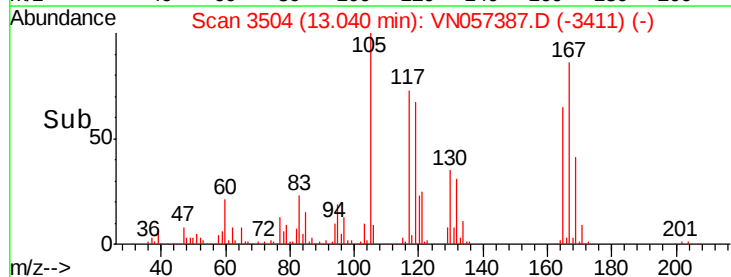
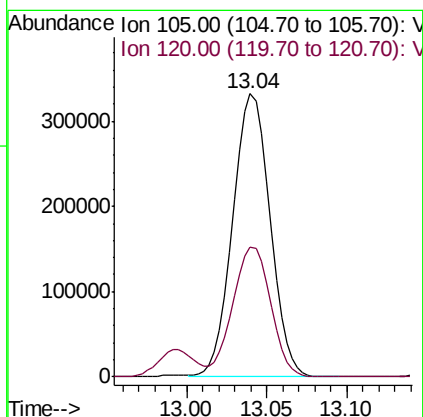
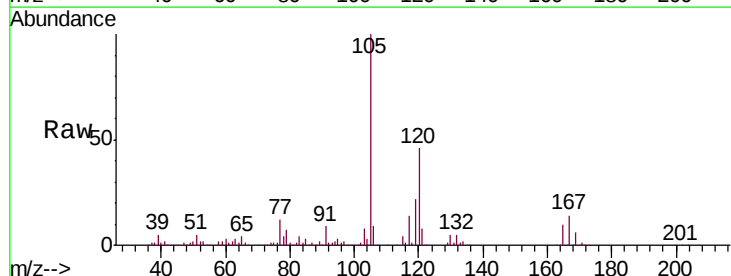
Instrument :
 MSVOA_N
 ClientSampled :
 VN0819WBS01

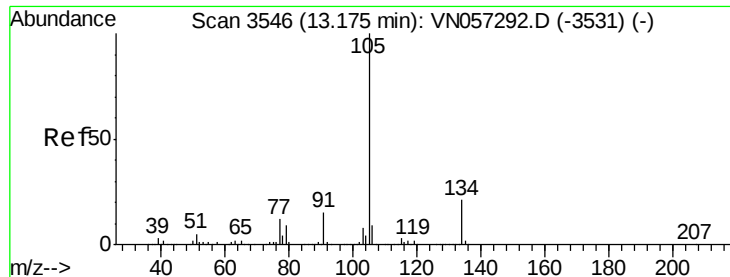
Tgt Ion	Ratio	Lower	Upper
119	100		
91	61.6	31.3	93.8
134	23.6	13.1	39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 17.256 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion	Ratio	Lower	Upper
105	100		
120	47.0	22.6	67.7





#85

sec-Butylbenzene

Concen: 18.469 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

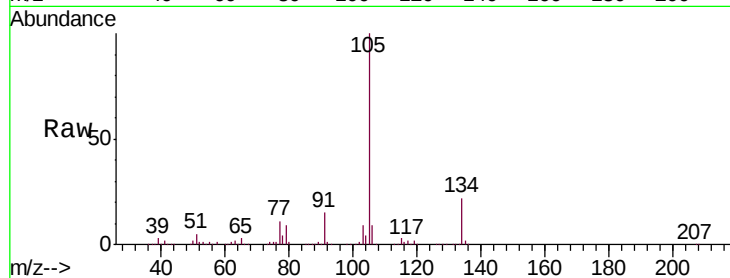
VN0819WBS01

Tgt Ion:105 Resp: 622541

Ion Ratio Lower Upper

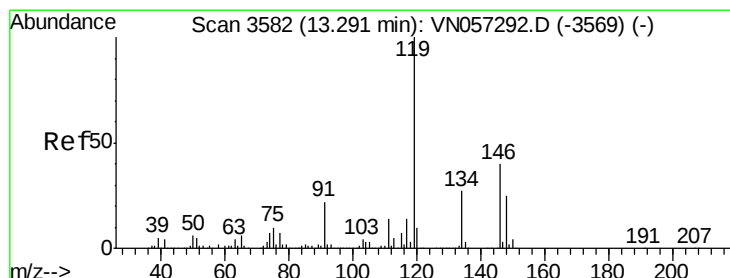
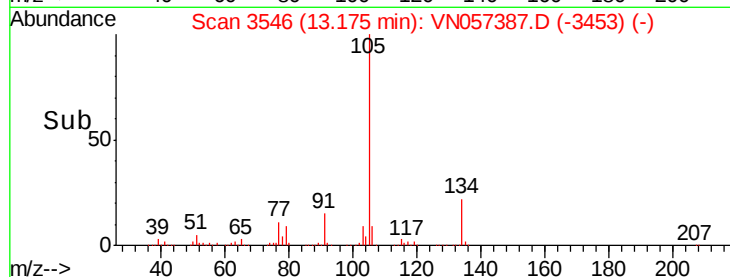
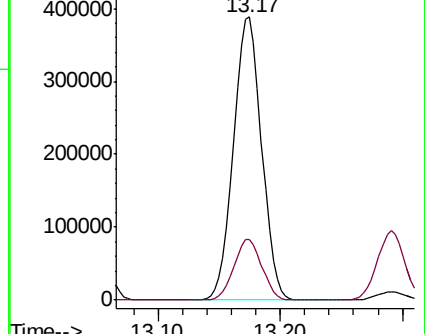
105 100

134 21.3 10.4 31.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 17.288 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

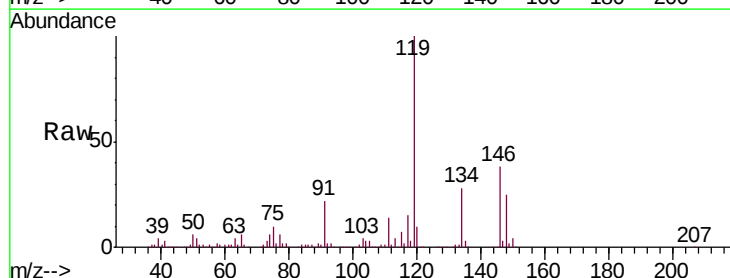
Tgt Ion:119 Resp: 540128

Ion Ratio Lower Upper

119 100

134 26.9 13.4 40.2

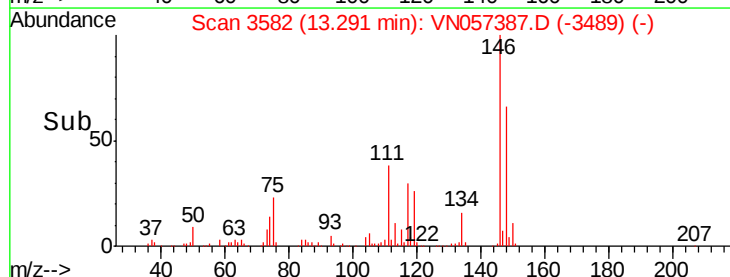
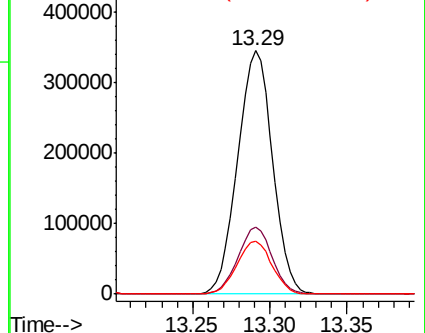
91 21.7 11.2 33.5

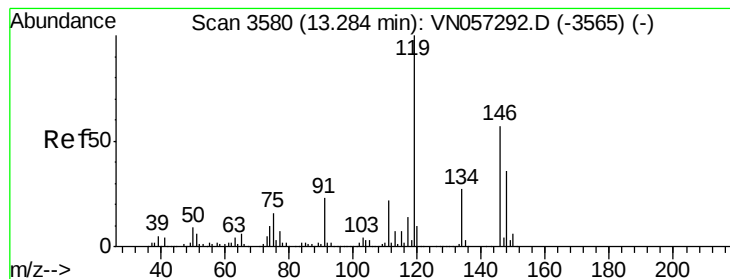


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 17.771 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

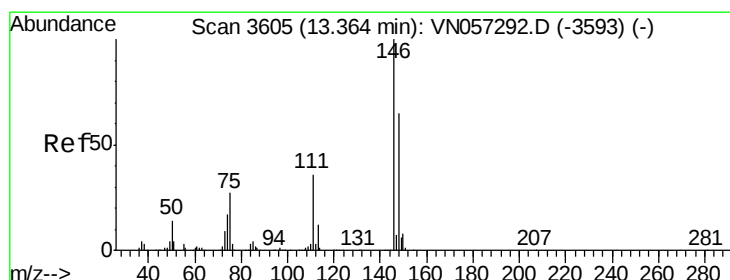
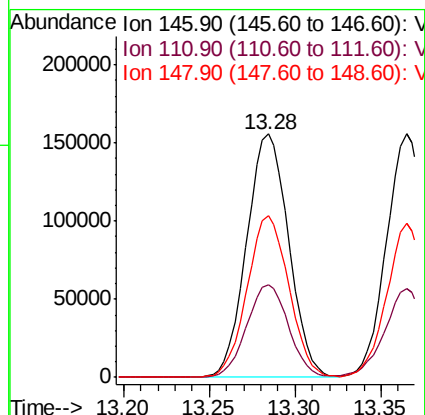
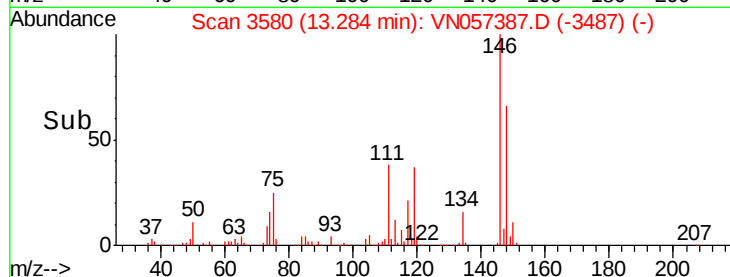
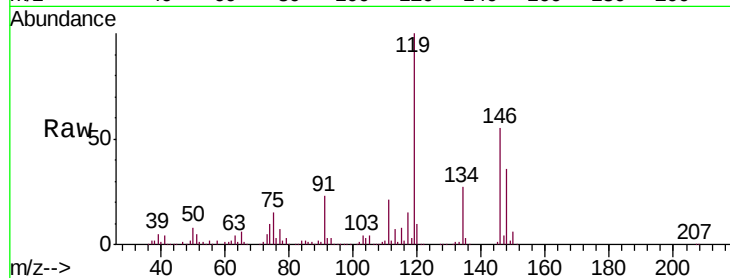
Tgt Ion:146 Resp: 263794

Ion Ratio Lower Upper

146 100

111 37.9 18.7 56.1

148 66.1 31.7 95.1



#88

1,4-Dichlorobenzene

Concen: 17.966 ug/l

RT: 13.36 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

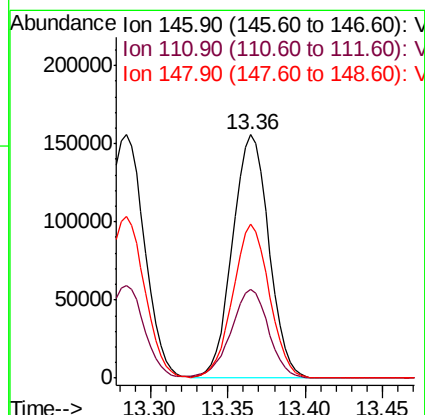
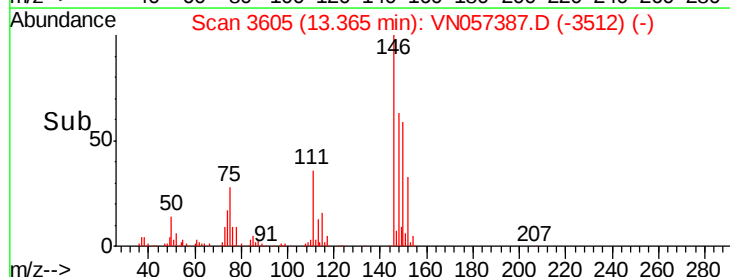
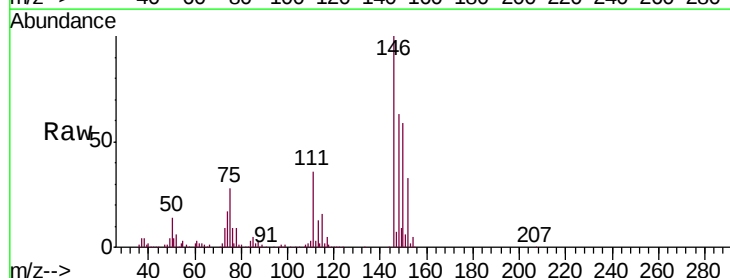
Tgt Ion:146 Resp: 253155

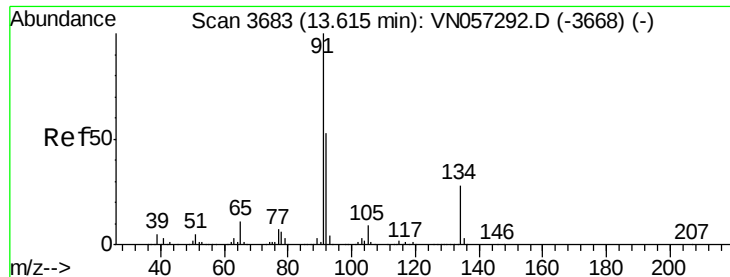
Ion Ratio Lower Upper

146 100

111 37.7 18.4 55.4

148 63.8 32.5 97.4





#89

n-Butylbenzene

Concen: 18.132 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampled :

VN0819WBS01

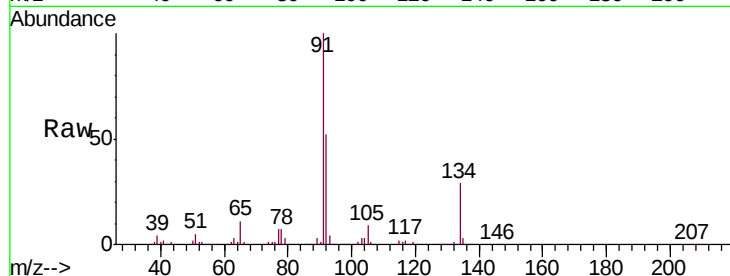
Tgt Ion: 91 Resp: 403845

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

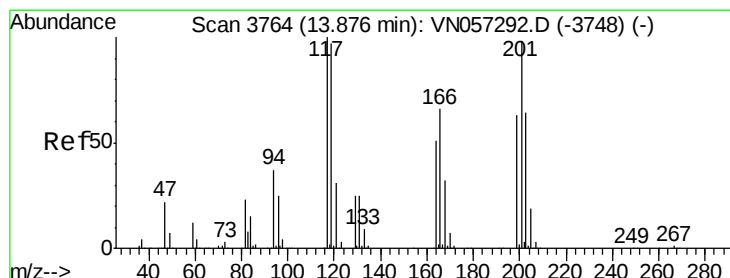
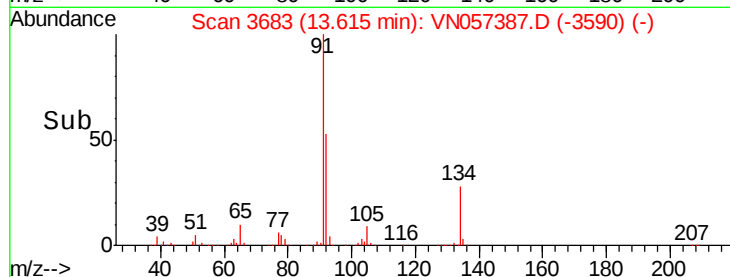
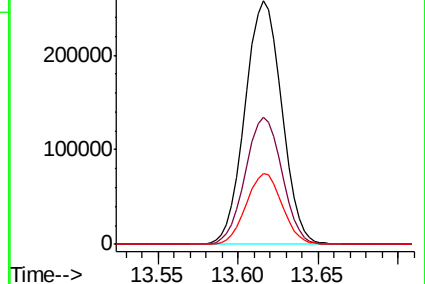
134 28.4 13.9 41.7



Abundance Ion 91.00 (90.70 to 91.70): VN057292.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN057292.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN057292.D (-3668) (-)



#90

Hexachloroethane

Concen: 20.619 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057387.D

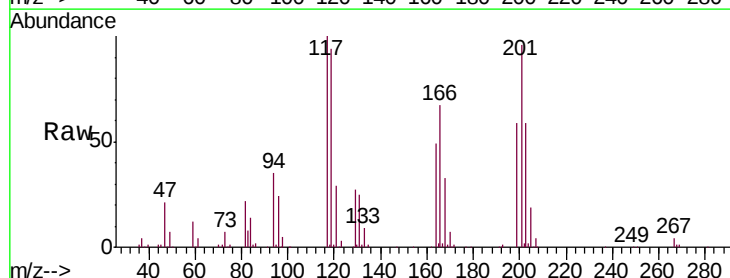
Acq: 19 Aug 2019 9:52

Tgt Ion: 117 Resp: 116836

Ion Ratio Lower Upper

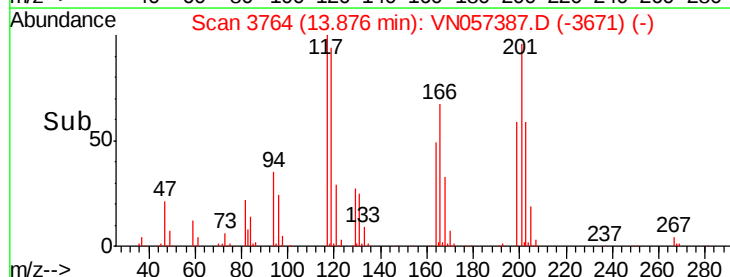
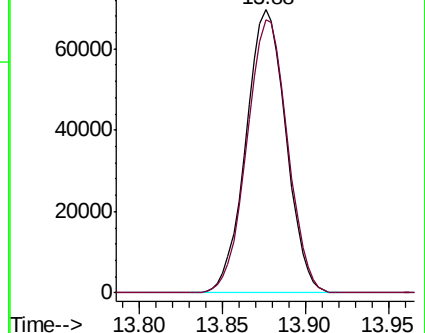
117 100

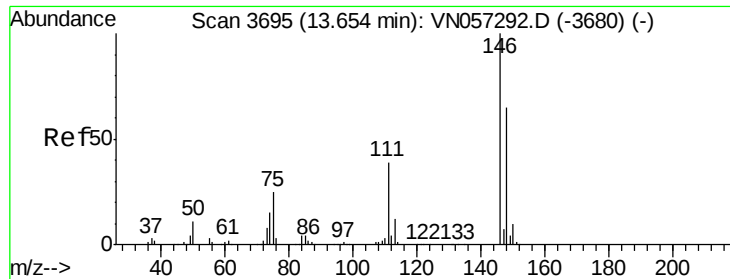
201 97.8 48.4 145.0



Abundance Ion 116.80 (116.50 to 117.50): VN057292.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN057292.D (-3748) (-)

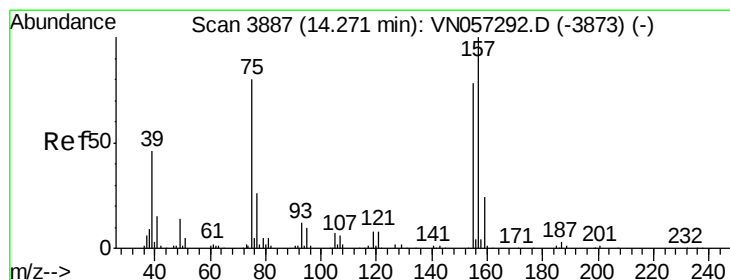
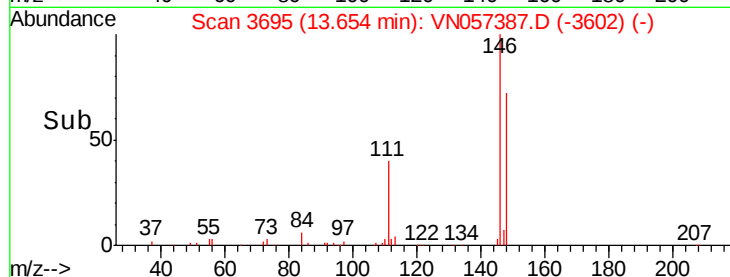
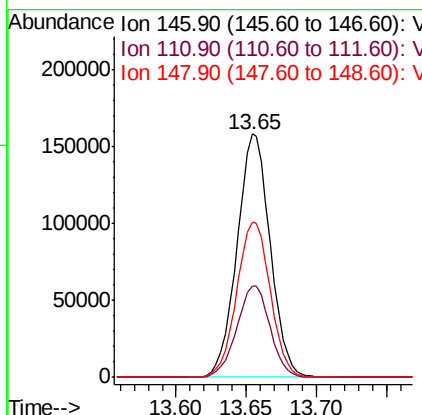
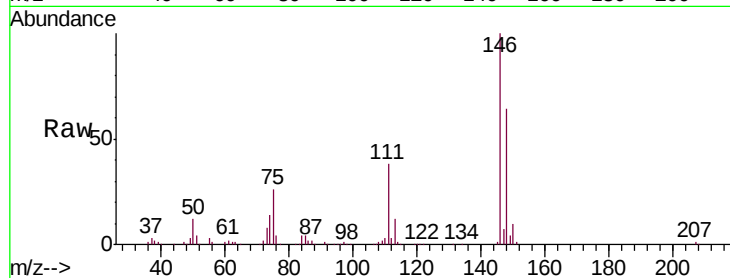




#91
 1,2-Dichlorobenzene
 Concen: 18.815 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

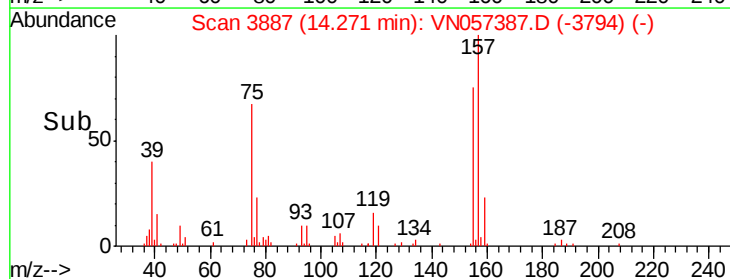
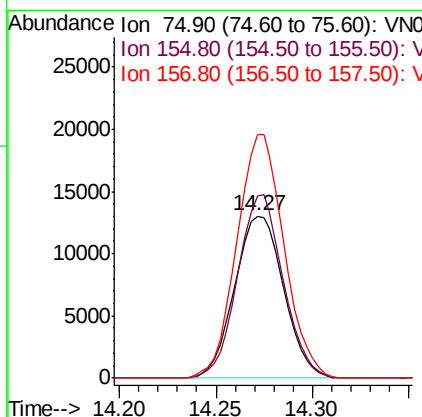
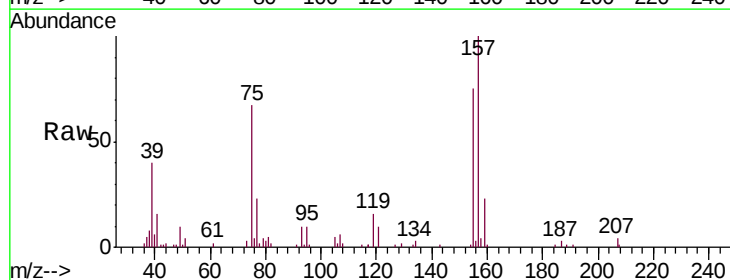
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

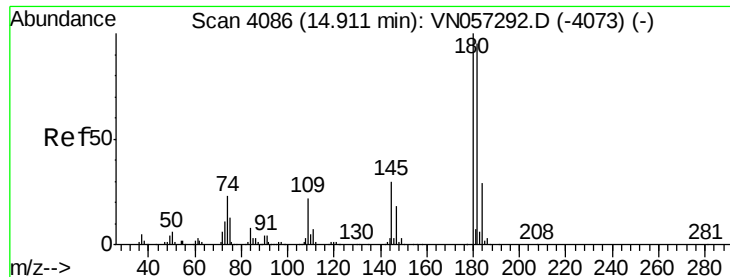
Tgt Ion: 146 Resp: 260353
 Ion Ratio Lower Upper
 146 100
 111 37.7 19.7 59.1
 148 65.0 32.0 96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 15.159 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion: 75 Resp: 22902
 Ion Ratio Lower Upper
 75 100
 155 105.6 49.6 148.8
 157 145.0 63.7 191.1

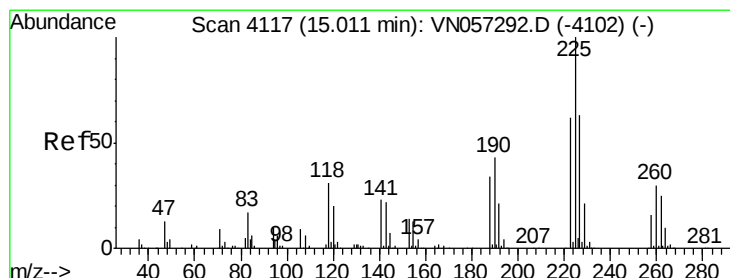
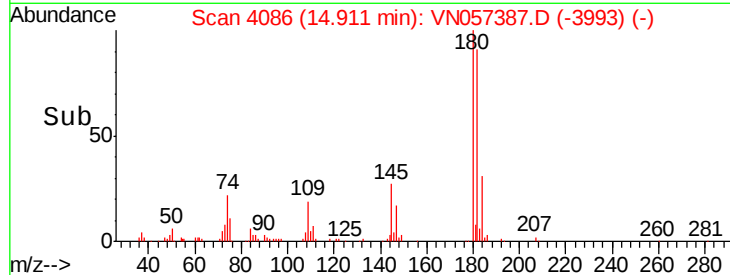
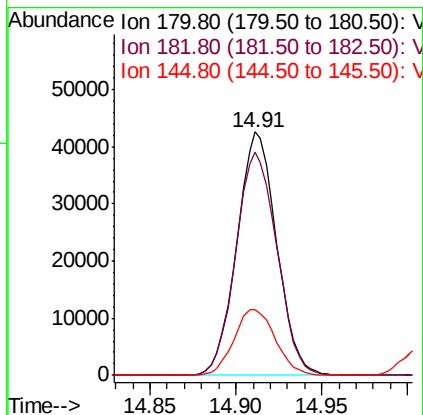
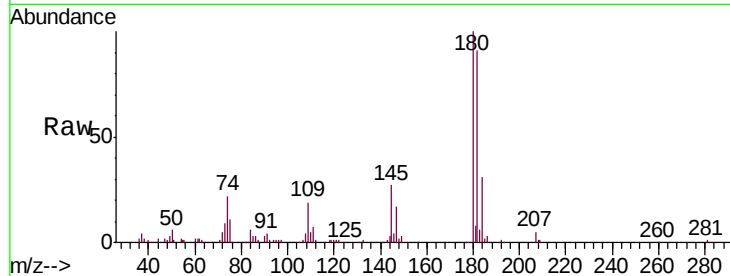




#93
 1,2,4-Trichlorobenzene
 Concen: 16.398 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

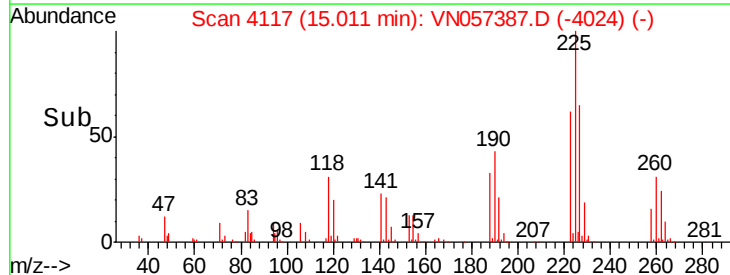
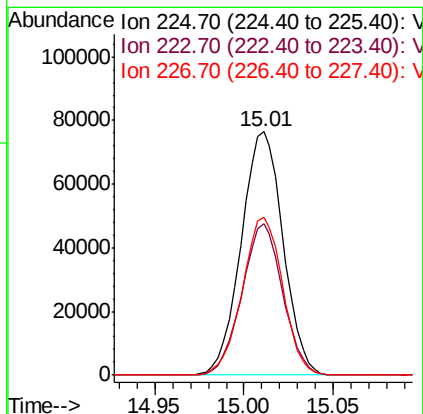
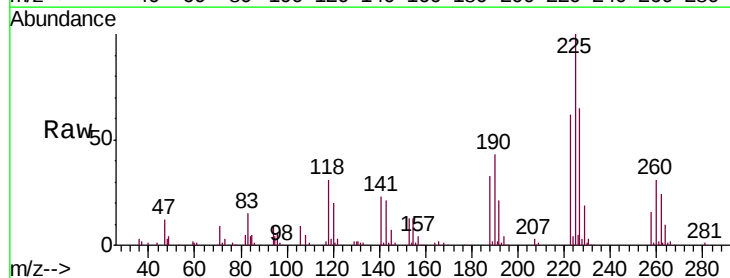
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0819WBS01

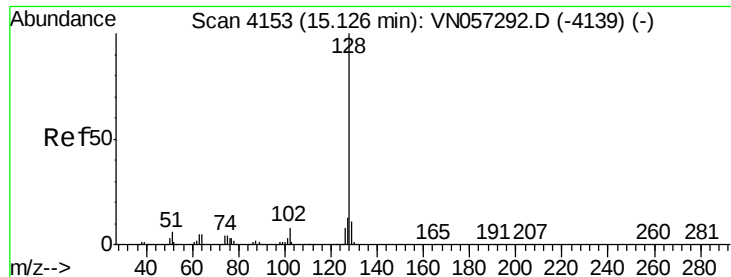
Tgt Ion:180 Resp: 68435
 Ion Ratio Lower Upper
 180 100
 182 94.9 48.0 144.2
 145 28.2 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 20.912 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057387.D
 Acq: 19 Aug 2019 9:52

Tgt Ion:225 Resp: 124898
 Ion Ratio Lower Upper
 225 100
 223 60.6 30.7 92.1
 227 62.7 30.9 92.7





#95

Naphthalene

Concen: 17.661 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

Instrument :

MSVOA_N

ClientSampleId :

VN0819WBS01

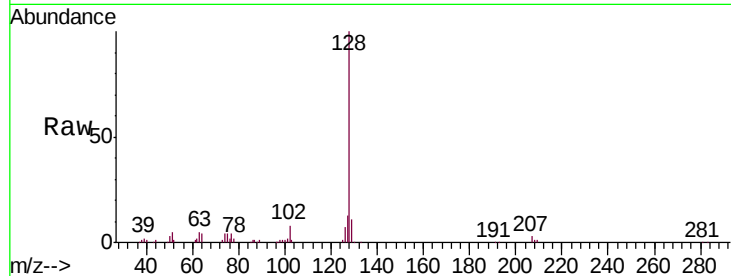
Tgt Ion:128 Resp: 120318

Ion Ratio Lower Upper

128 100

127 12.9 10.5 15.7

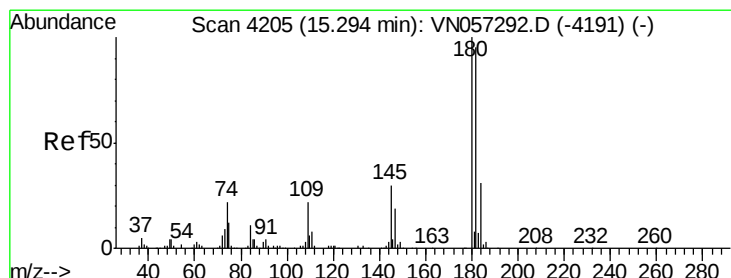
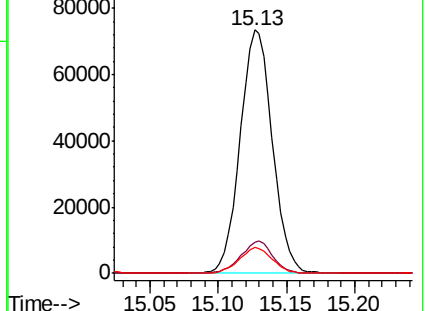
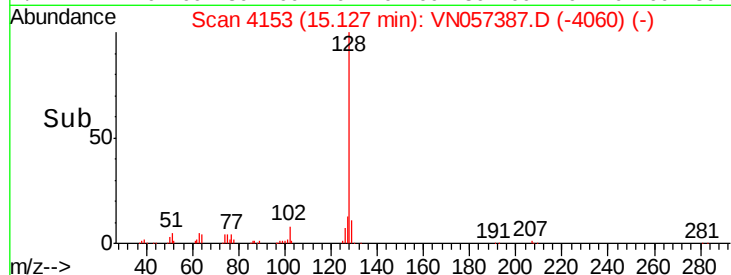
129 10.9 8.8 13.2



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: 19.609 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057387.D

Acq: 19 Aug 2019 9:52

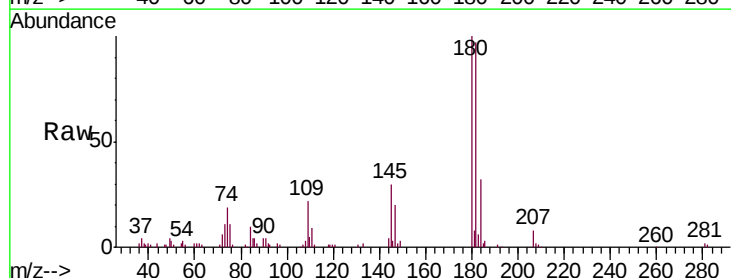
Tgt Ion:180 Resp: 66319

Ion Ratio Lower Upper

180 100

182 93.9 47.9 143.6

145 28.8 15.1 45.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

