

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057362.D
 Acq On : 16 Aug 2019 18:46
 Operator : JC/SP
 Sample : VN0818WBSD01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Quant Time: Aug 17 03:44:13 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	913608	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1346356	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1201112	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	391017	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	470672	47.39	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.78%	
35) Dibromofluoromethane	7.58	113	432983	49.06	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.12%	
50) Toluene-d8	10.08	98	1620922	50.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.42%	
62) 4-Bromofluorobenzene	12.40	95	492793	43.20	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.40%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	140293	17.845	ug/l	94
3) Chloromethane	2.06	50	168578	18.167	ug/l	99
4) Vinyl Chloride	2.18	62	156843	17.966	ug/l	99
5) Bromomethane	2.54	94	121774	19.569	ug/l	100
6) Chloroethane	2.69	64	110283	18.365	ug/l	98
7) Trichlorofluoromethane	3.02	101	255607	18.666	ug/l	100
8) Diethyl Ether	3.40	74	98380	19.088	ug/l	95
9) 1,1,2-Trichlorotrifluoroet	3.76	101	153445	19.073	ug/l	99
10) Methyl Iodide	3.95	142	250393	19.471	ug/l	98
11) Tert butyl alcohol	4.76	59	128440	90.965	ug/l #	84
12) 1,1-Dichloroethene	3.73	96	152245	18.993	ug/l	97
13) Acrolein	3.60	56	55384	64.614	ug/l	97
14) Allyl chloride	4.32	41	233537	18.175	ug/l	99
15) Acrylonitrile	4.97	53	363758	94.893	ug/l	99
16) Acetone	3.81	43	273707	79.442	ug/l	96
17) Carbon Disulfide	4.05	76	389364	18.030	ug/l	99
18) Methyl Acetate	4.31	43	178985	17.888	ug/l	98
19) Methyl tert-butyl Ether	5.03	73	483248	19.213	ug/l	99
20) Methylene Chloride	4.54	84	179606	18.632	ug/l	96
21) trans-1,2-Dichloroethene	5.03	96	162699	18.874	ug/l	90
22) Diisopropyl ether	5.94	45	481888	18.985	ug/l	98
23) Vinyl Acetate	5.88	43	1897984	92.910	ug/l	99
24) 1,1-Dichloroethane	5.84	63	293402	18.788	ug/l	100
25) 2-Butanone	6.82	43	441215	88.433	ug/l	94
26) 2,2-Dichloropropane	6.82	77	227171	18.000	ug/l	100
27) cis-1,2-Dichloroethene	6.82	96	195155	19.123	ug/l	97
28) Bromochloromethane	7.18	49	132024	19.028	ug/l #	97
29) Tetrahydrofuran	7.20	42	289237	91.605	ug/l	97
30) Chloroform	7.36	83	307963	18.818	ug/l	99
31) Cyclohexane	7.64	56	248480	18.361	ug/l	96
32) 1,1,1-Trichloroethane	7.56	97	266035	19.327	ug/l	98
36) 1,1-Dichloropropene	7.78	75	216832	18.240	ug/l	99
37) Ethyl Acetate	6.91	43	188477	19.358	ug/l	98
38) Carbon Tetrachloride	7.77	117	232934	18.859	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	253990	18.298	ug/l	98
40) Benzene	8.03	78	686707	18.887	ug/l	99
41) Methacrylonitrile	7.19	41	266890	60.870	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	227026	18.866	ug/l	99
43) Isopropyl Acetate	8.16	43	313487	16.858	ug/l	96
44) Trichloroethene	8.83	130	198165	19.386	ug/l	98
45) 1,2-Dichloropropane	9.11	63	179888	19.194	ug/l	99
46) Dibromomethane	9.20	93	117032	18.718	ug/l	96
47) Bromodichloromethane	9.40	83	235848	19.039	ug/l	99
48) Methyl methacrylate	9.19	41	147086	18.345	ug/l	97
49) 1,4-Dioxane	9.19	88	64633	383.334	ug/l	97
51) 4-Methyl-2-Pentanone	9.98	43	931610	92.749	ug/l	98
52) Toluene	10.15	92	443467	19.596	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	254446	18.989	ug/l	97
54) cis-1,3-Dichloropropene	9.83	75	280696	18.997	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	175224	19.690	ug/l	97
56) Ethyl methacrylate	10.43	69	249587	19.219	ug/l	97
57) 1,3-Dichloropropane	10.70	76	287855	19.363	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	264918	80.834	ug/l	100
59) 2-Hexanone	10.75	43	654084	90.578	ug/l	99
60) Dibromochloromethane	10.90	129	196921	19.746	ug/l	98
61) 1,2-Dibromoethane	11.00	107	184521	19.465	ug/l	98
64) Tetrachloroethene	10.63	164	202630	19.515	ug/l	97
65) Chlorobenzene	11.43	112	480811	19.627	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	184892	19.708	ug/l	97
67) Ethyl Benzene	11.51	91	826650	19.288	ug/l	100
68) m/p-Xylenes	11.62	106	602180	38.135	ug/l	99
69) o-Xylene	11.95	106	296242	19.107	ug/l	100
70) Styrene	11.96	104	465003	18.815	ug/l	99
71) Bromoform	12.13	173	144441	19.515	ug/l #	100
73) Isopropylbenzene	12.25	105	793507	23.740	ug/l	98
74) N-amyl acetate	12.07	43	231422	20.396	ug/l	99
75) 1,1,2,2-Tetrachloroethane	12.51	83	224384	23.440	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	273208	34.922	ug/l #	100
77) Bromobenzene	12.53	156	207837	23.661	ug/l	97
78) n-propylbenzene	12.59	91	762086	20.239	ug/l	99
79) 2-Chlorotoluene	12.67	91	501600	23.095	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	641178	23.124	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	68941	21.499	ug/l	98
82) 4-Chlorotoluene	12.77	91	438314	19.644	ug/l	98
83) tert-Butylbenzene	12.99	119	591380	24.005	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	609963	21.658	ug/l	100
85) sec-Butylbenzene	13.17	105	684305	22.295	ug/l	100
86) p-Isopropyltoluene	13.29	119	593898	20.597	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	275262	20.092	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	252375	19.406	ug/l	99
89) n-Butylbenzene	13.62	91	467393	22.737	ug/l	99
90) Hexachloroethane	13.88	117	122473	23.751	ug/l	97
91) 1,2-Dichlorobenzene	13.65	146	263076	20.599	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	25499	18.287	ug/l	98

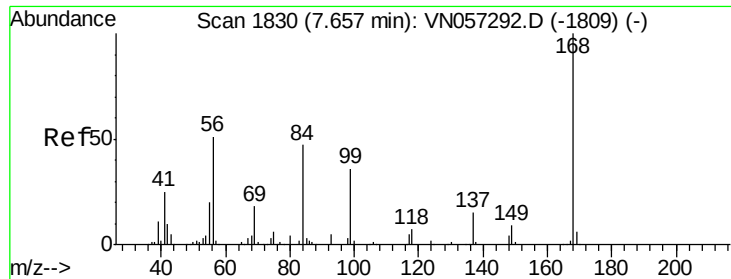
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62447	16.273	ug/l	99
94) Hexachlorobutadiene	15.01	225	122054	22.435	ug/l	99
95) Naphthalene	15.13	128	136050	21.388	ug/l	98
96) 1,2,3-Trichlorobenzene	15.29	180	66055	21.144	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1830

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

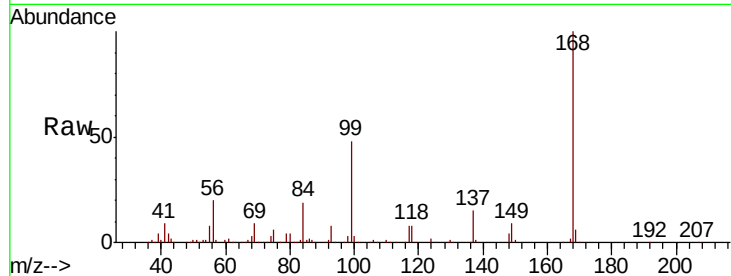
VN0818WBSD01

Tgt Ion:168 Resp: 913608

Ion Ratio Lower Upper

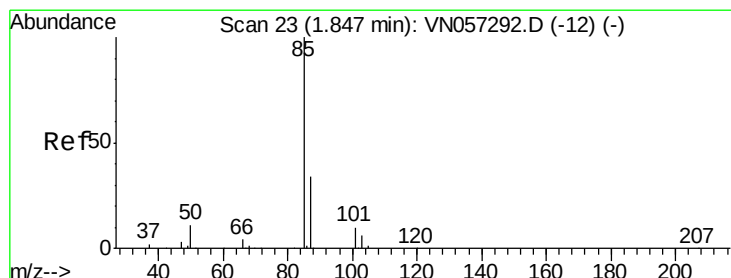
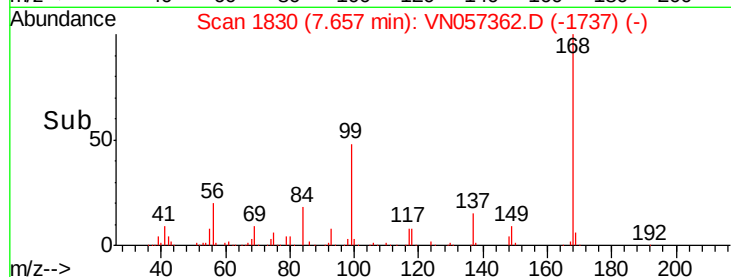
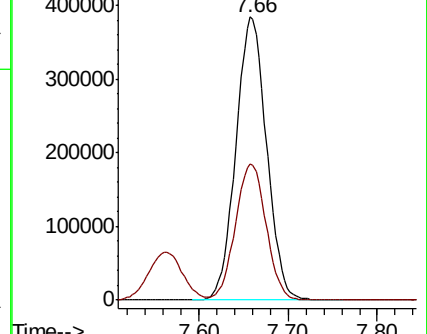
168 100

99 47.9 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 17.845 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057362.D

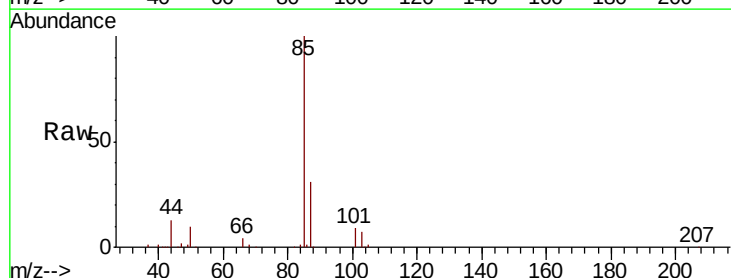
Acq: 16 Aug 2019 18:46

Tgt Ion: 85 Resp: 140293

Ion Ratio Lower Upper

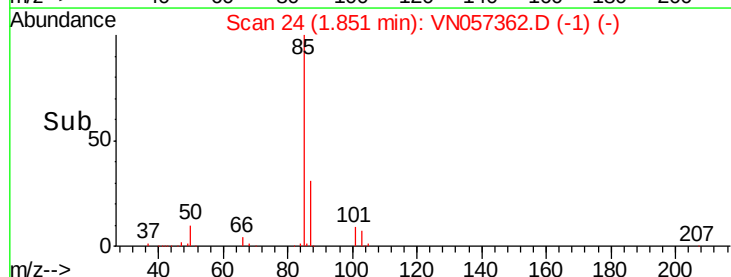
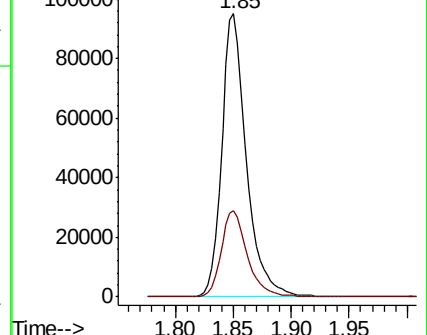
85 100

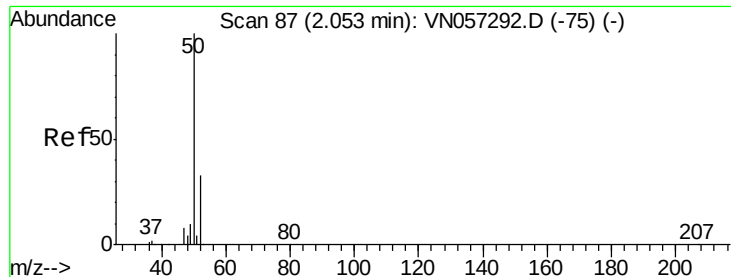
87 30.5 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 18.167 ug/l

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

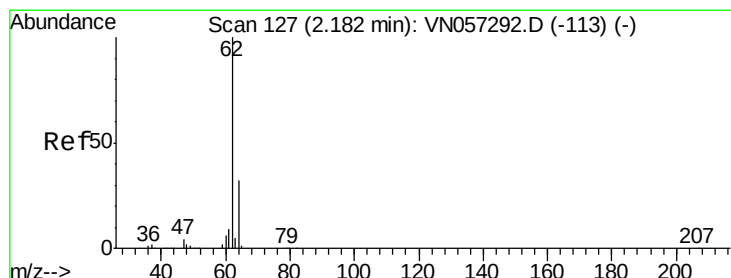
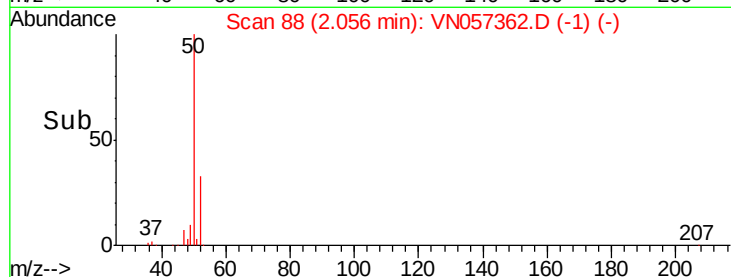
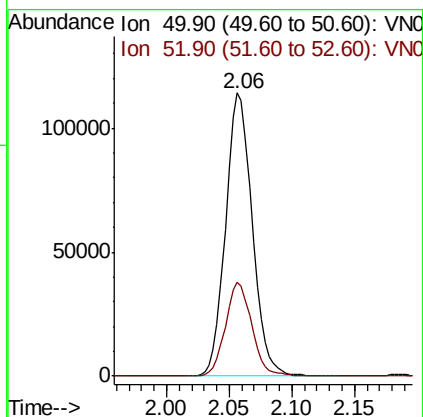
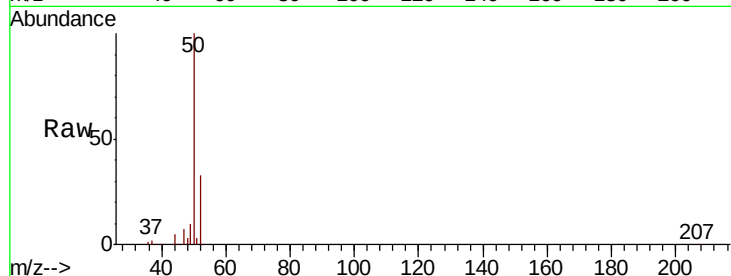
VN0818WBSD01

Tgt Ion: 50 Resp: 168578

Ion Ratio Lower Upper

50 100

52 33.2 26.8 40.2



#4

Vinyl Chloride

Concen: 17.966 ug/l

RT: 2.18 min Scan# 128

Delta R.T. 0.00 min

Lab File: VN057362.D

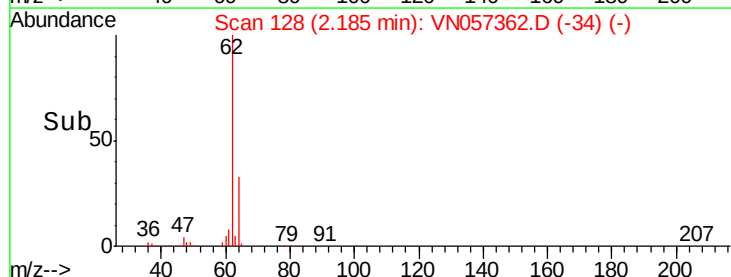
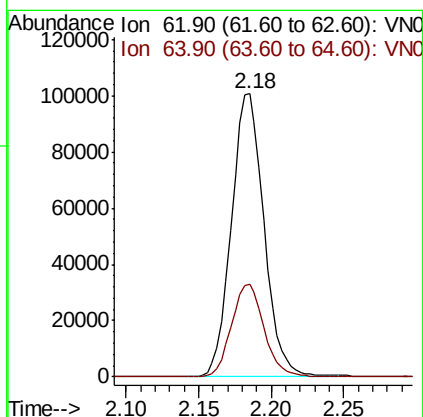
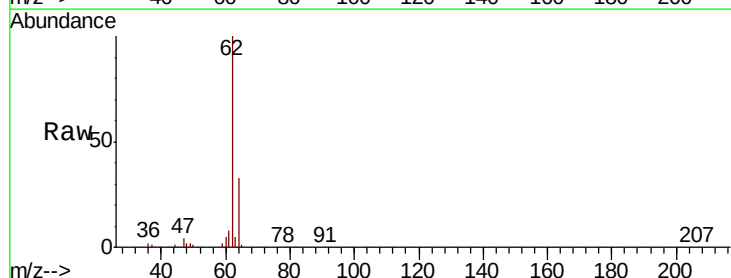
Acq: 16 Aug 2019 18:46

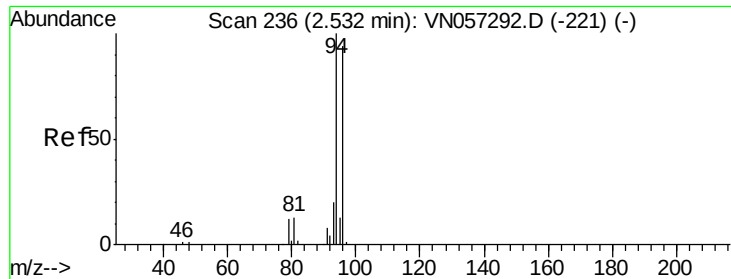
Tgt Ion: 62 Resp: 156843

Ion Ratio Lower Upper

62 100

64 32.8 25.9 38.9





#5

Bromomethane

Concen: 19.569 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

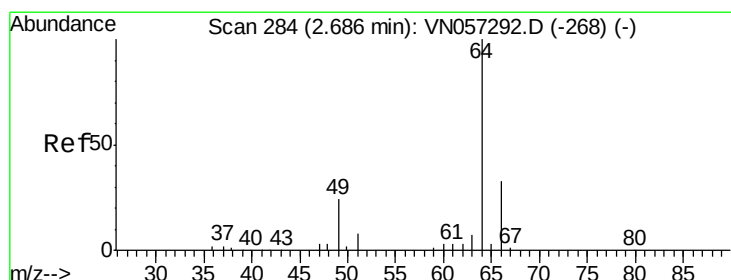
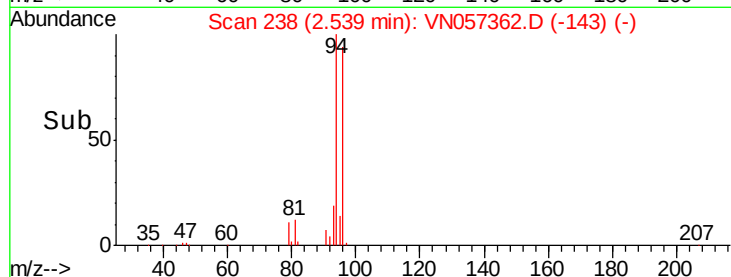
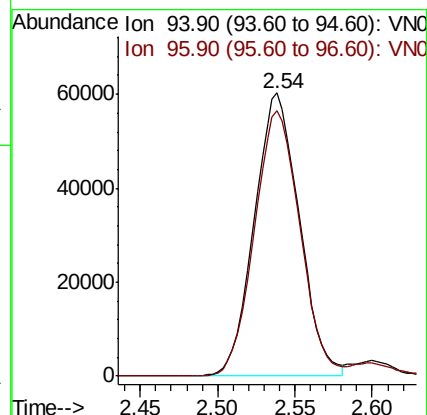
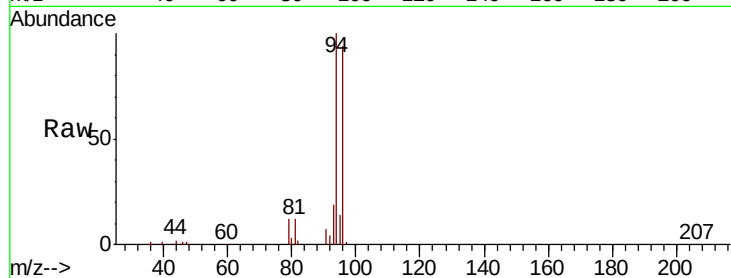
VN0818WBSD01

Tgt Ion: 94 Resp: 121774

Ion Ratio Lower Upper

94 100

96 93.7 75.0 112.6



#6

Chloroethane

Concen: 18.365 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057362.D

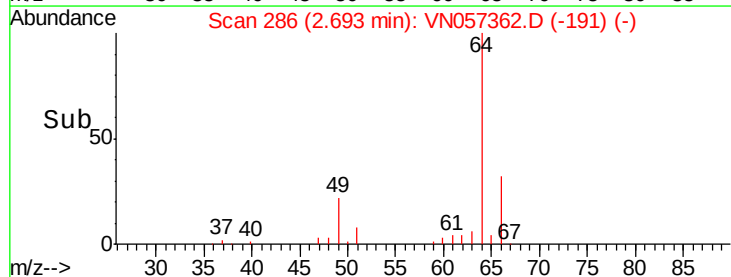
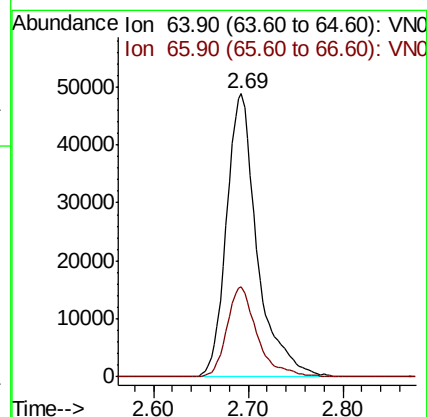
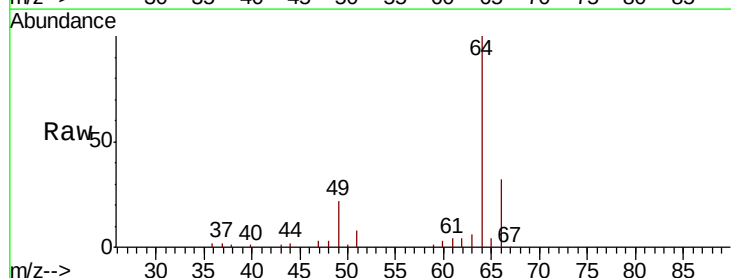
Acq: 16 Aug 2019 18:46

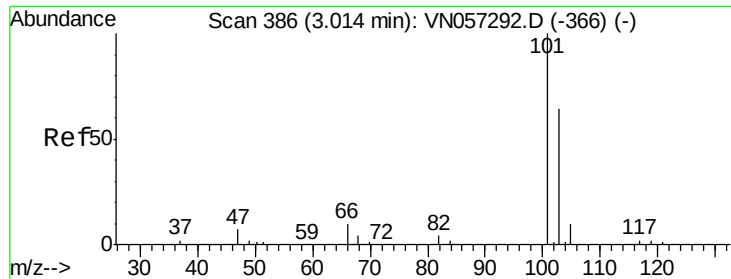
Tgt Ion: 64 Resp: 110283

Ion Ratio Lower Upper

64 100

66 31.6 26.4 39.6



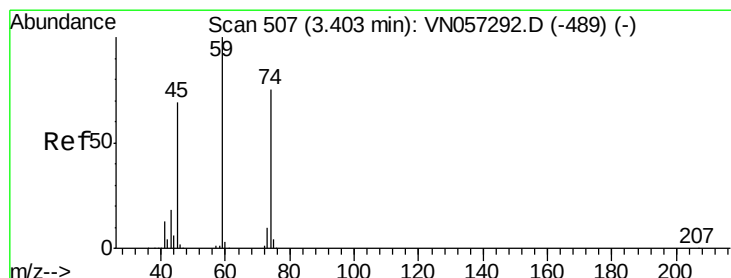
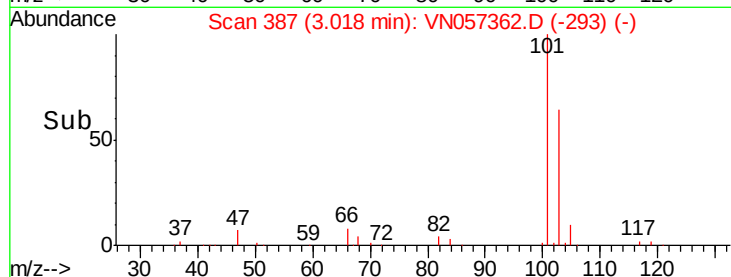
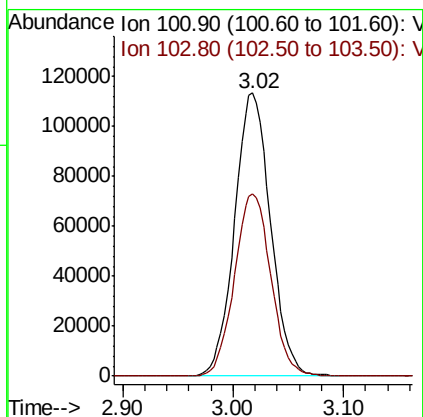
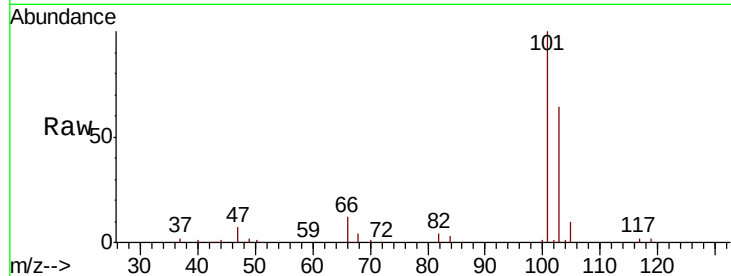


#7

Trichlorofluoromethane
Concen: 18.666 ug/l
RT: 3.02 min Scan# 387
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
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VN0818WBSD01

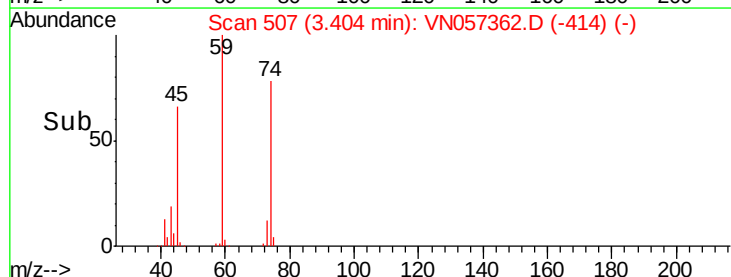
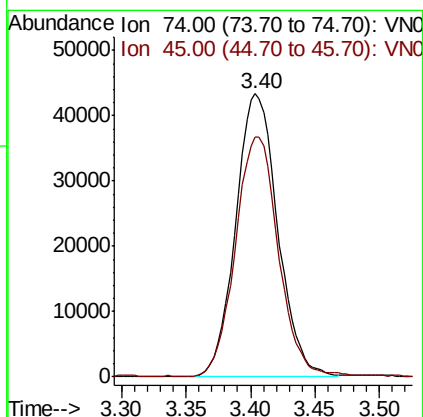
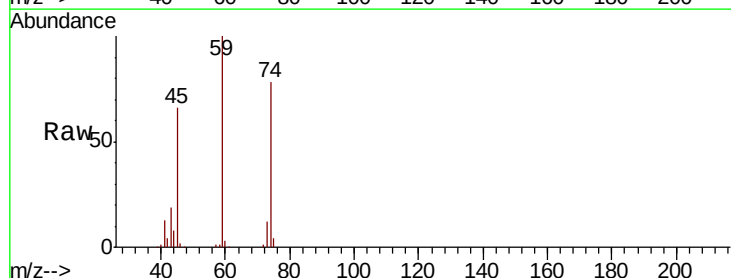
Tgt Ion: 101 Resp: 255607
Ion Ratio Lower Upper
101 100
103 64.5 51.5 77.3

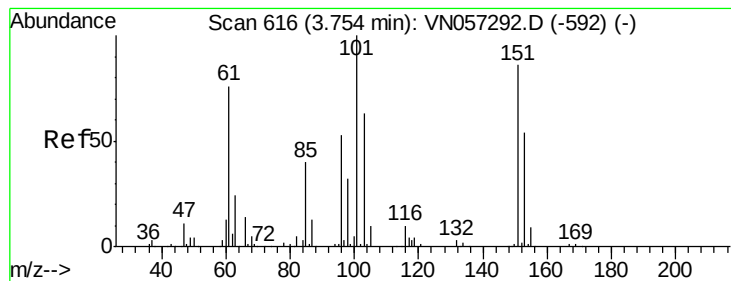


#8

Diethyl Ether
Concen: 19.088 ug/l
RT: 3.40 min Scan# 507
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 74 Resp: 98380
Ion Ratio Lower Upper
74 100
45 87.4 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.073 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

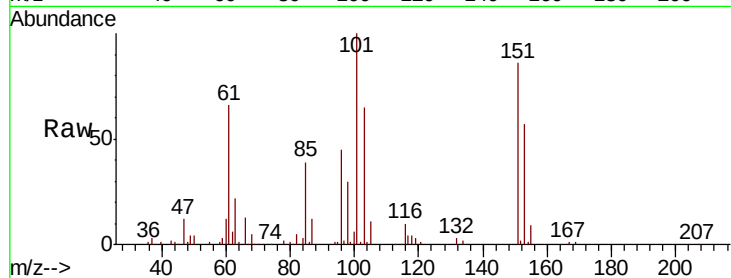
Tgt Ion:101 Resp: 153445

Ion Ratio Lower Upper

101 100

85 41.0 32.7 49.1

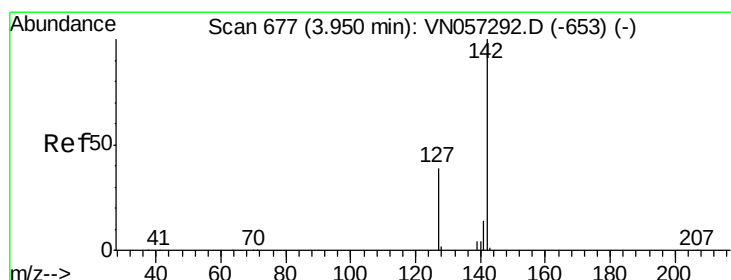
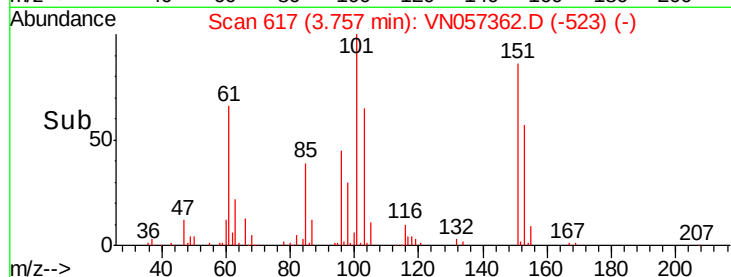
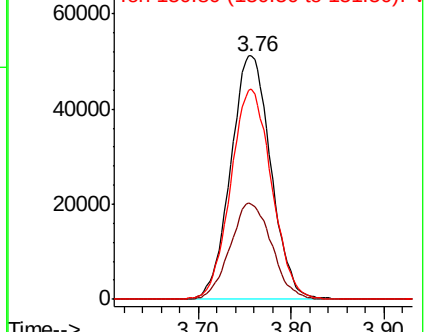
151 88.2 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.471 ug/l

RT: 3.95 min Scan# 677

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

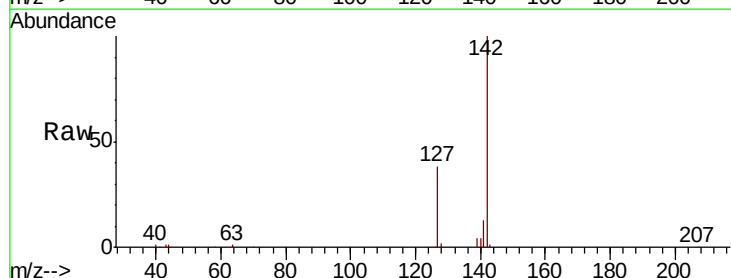
Tgt Ion:142 Resp: 250393

Ion Ratio Lower Upper

142 100

127 37.5 31.6 47.4

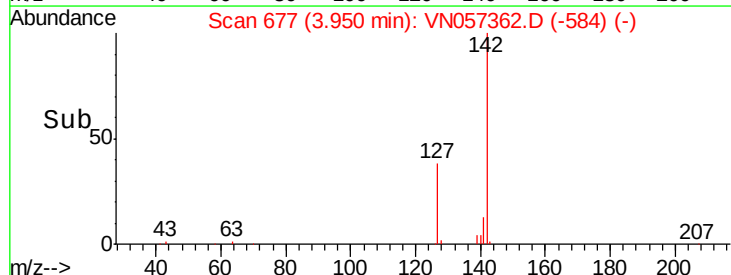
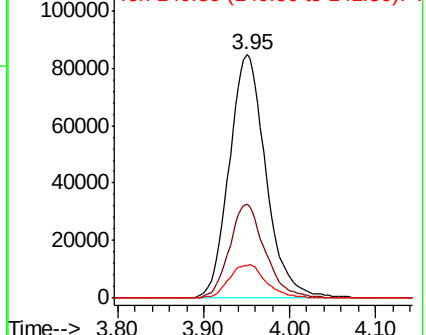
141 14.0 11.2 16.8

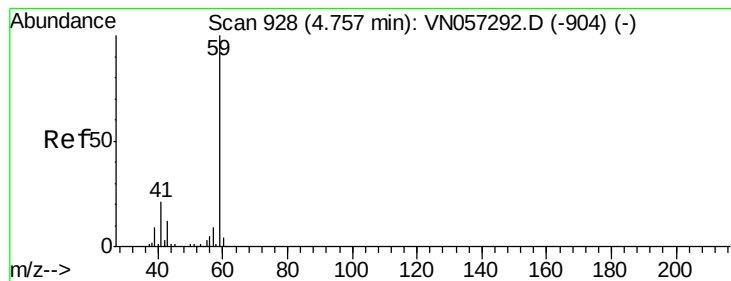


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



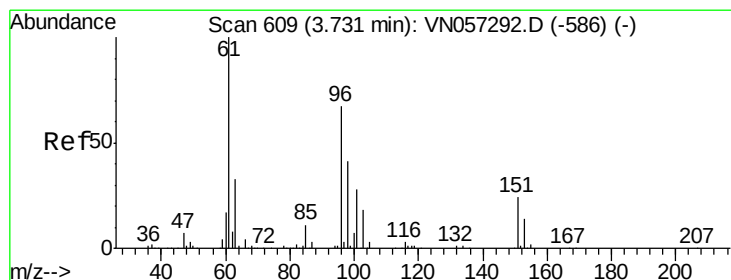
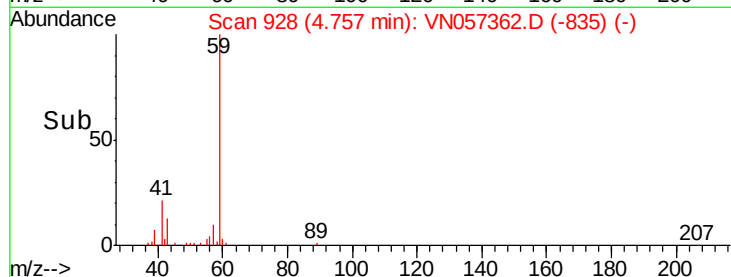
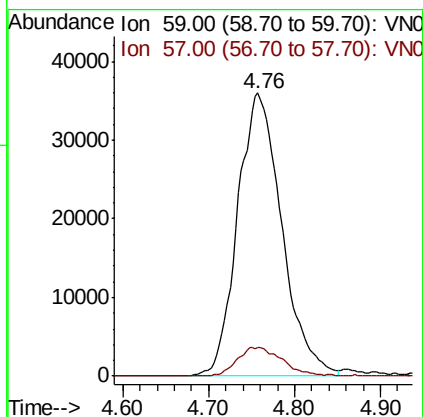
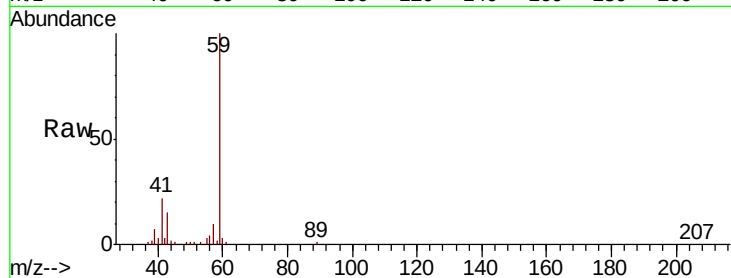


#11

Tert butyl alcohol
 Concen: 90.965 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

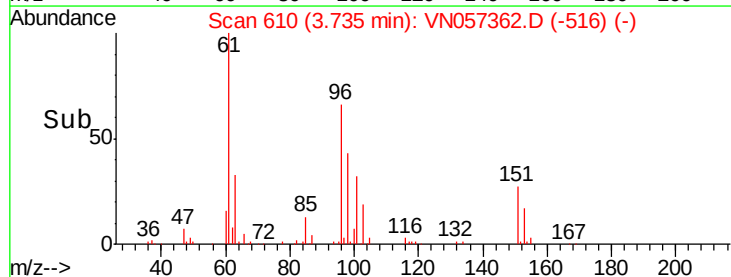
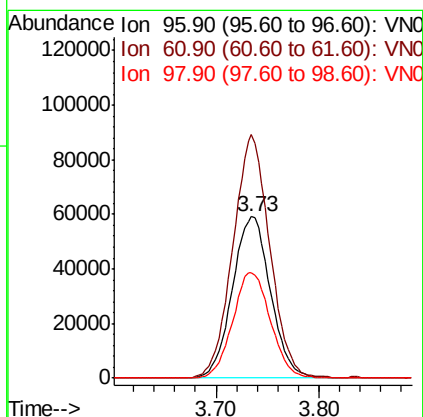
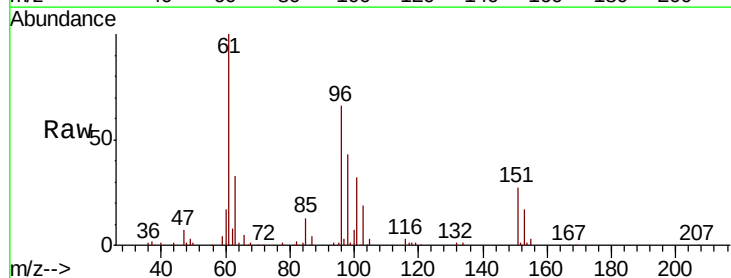
Tgt Ion: 59 Resp: 128440
 Ion Ratio Lower Upper
 59 100
 57 4.4 8.2 12.2#

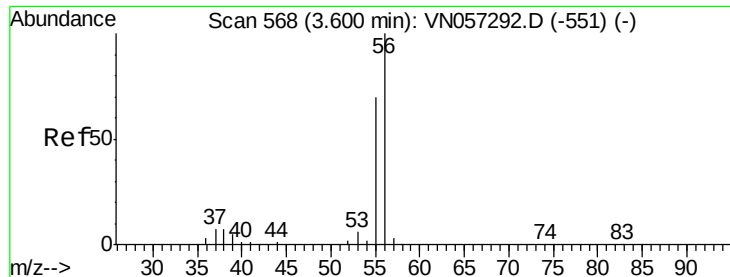


#12

1,1-Dichloroethene
 Concen: 18.993 ug/l
 RT: 3.73 min Scan# 610
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 96 Resp: 152245
 Ion Ratio Lower Upper
 96 100
 61 151.1 119.7 179.5
 98 65.7 49.0 73.4





#13

Acrolein

Concen: 64.614 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

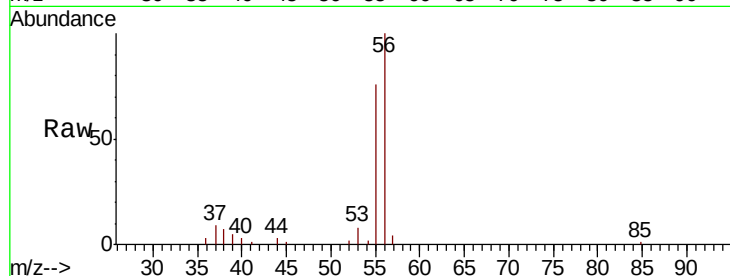
VN0818WBSD01

Tgt Ion: 56 Resp: 55384

Ion Ratio Lower Upper

56 100

55 72.9 56.6 84.8



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

25000

20000

15000

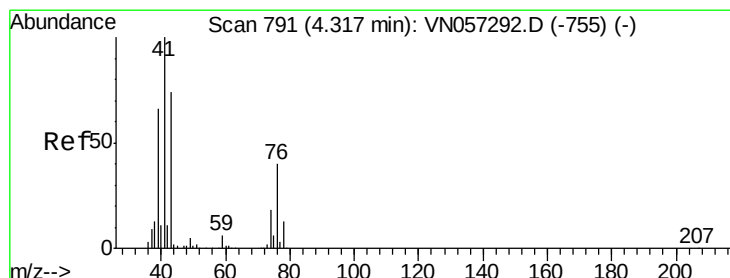
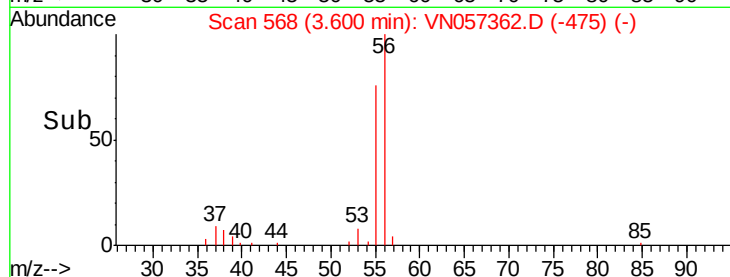
10000

5000

0

Time-->

3.50 3.55 3.60 3.65 3.70



#14

Allyl chloride

Concen: 18.175 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

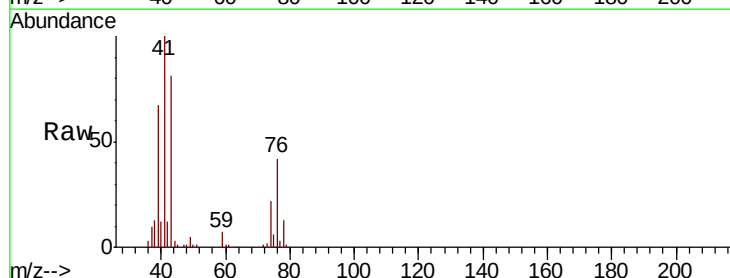
Tgt Ion: 41 Resp: 233537

Ion Ratio Lower Upper

41 100

39 61.3 49.0 73.6

76 37.7 29.0 43.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

100000

80000

60000

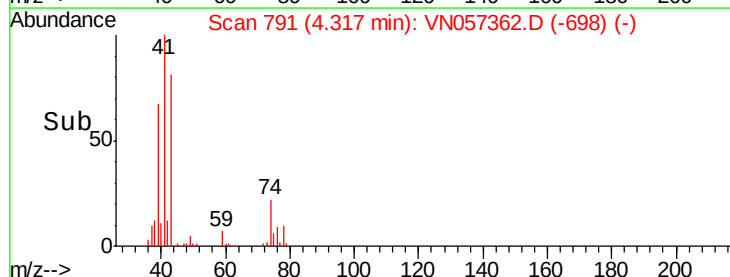
40000

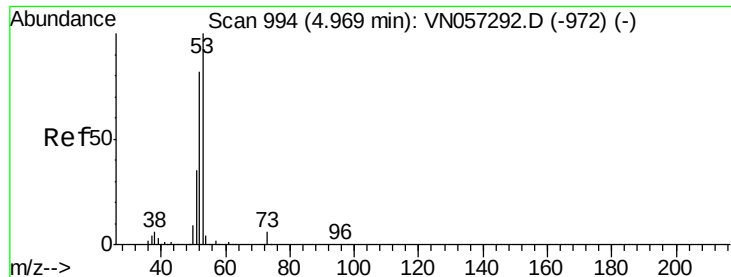
20000

0

Time-->

4.10 4.20 4.30 4.40 4.50





#15

Acrylonitrile

Concen: 94.893 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

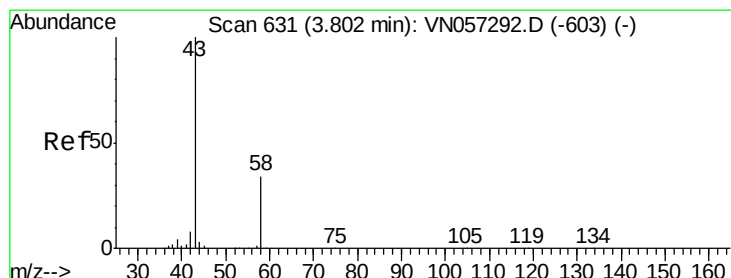
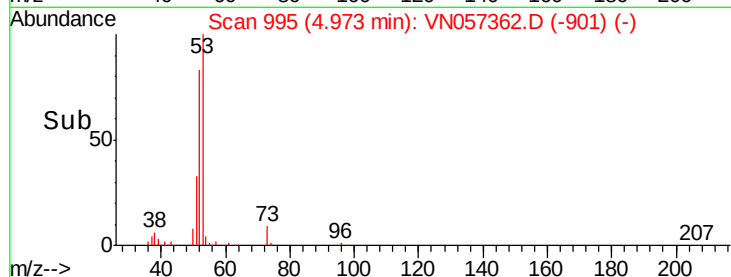
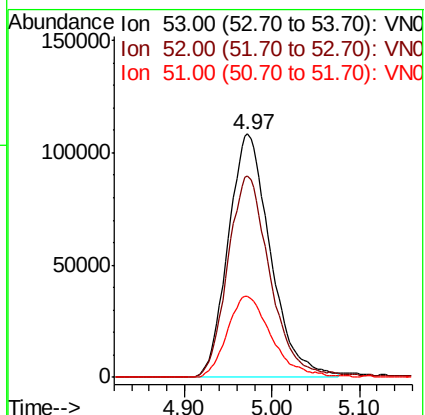
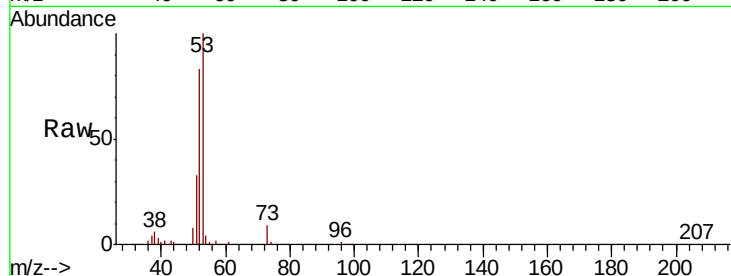
Tgt Ion: 53 Resp: 363758

Ion Ratio Lower Upper

53 100

52 83.0 66.2 99.2

51 34.8 28.5 42.7



#16

Acetone

Concen: 79.442 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057362.D

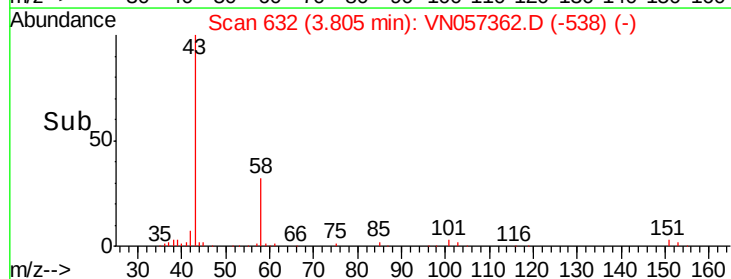
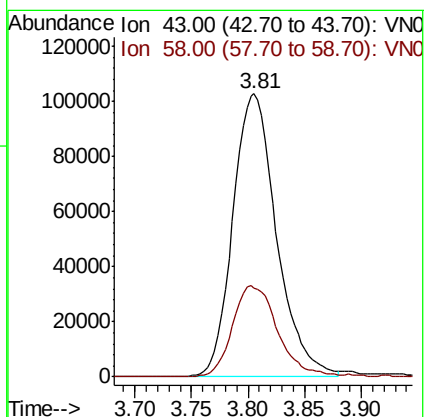
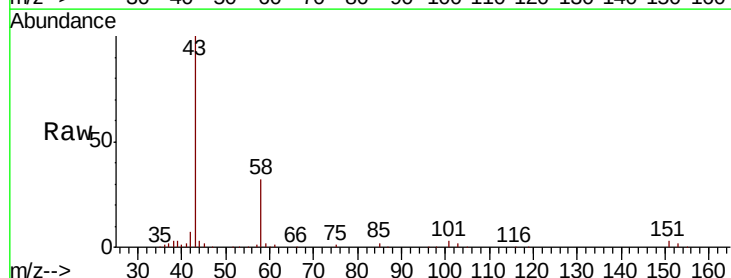
Acq: 16 Aug 2019 18:46

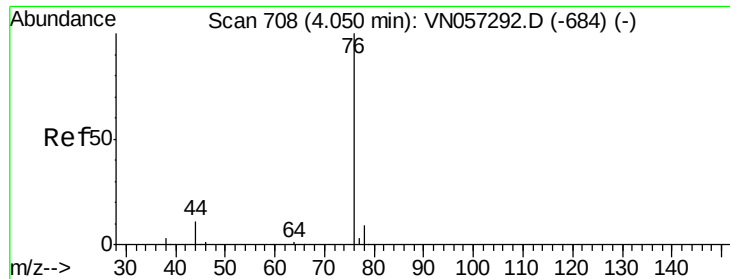
Tgt Ion: 43 Resp: 273707

Ion Ratio Lower Upper

43 100

58 31.5 27.0 40.6

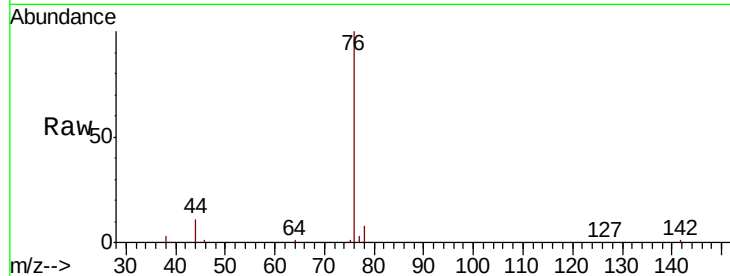




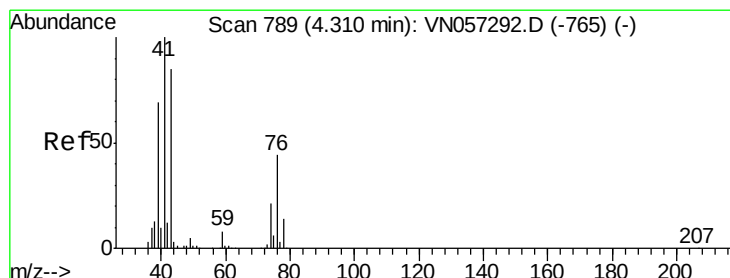
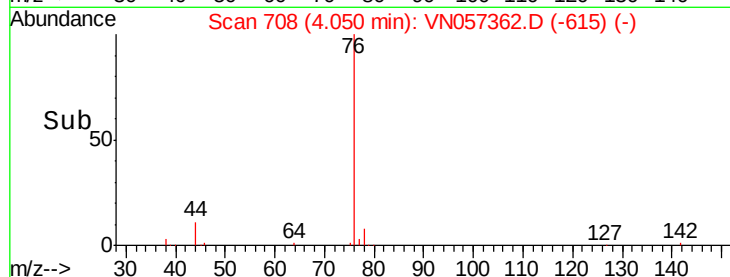
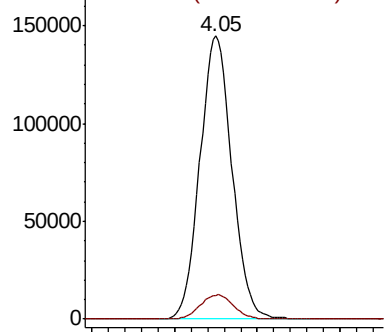
#17
Carbon Disulfide
Concen: 18.030 ug/l
RT: 4.05 min Scan# 708
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

Tgt Ion: 76 Resp: 389364
Ion Ratio Lower Upper
76 100
78 8.4 7.0 10.6

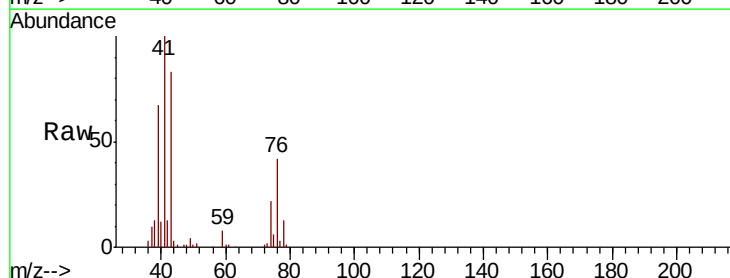


Abundance Ion 75.90 (75.60 to 76.60): VN0
Ion 77.90 (77.60 to 78.60): VN0

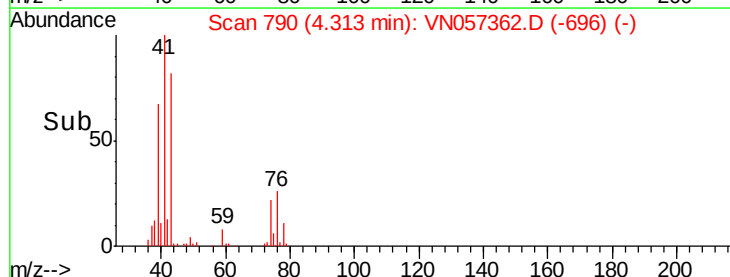
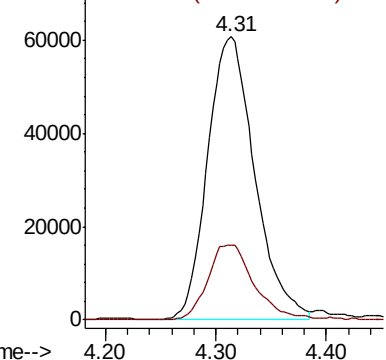


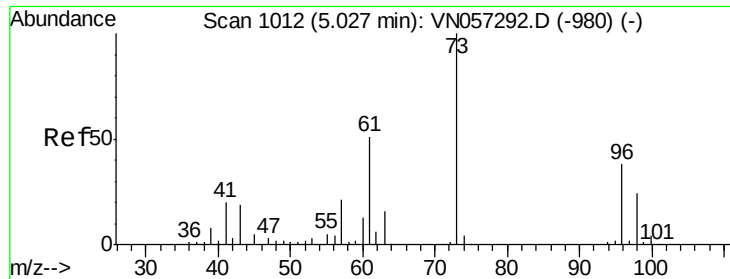
#18
Methyl Acetate
Concen: 17.888 ug/l
RT: 4.31 min Scan# 790
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 43 Resp: 178985
Ion Ratio Lower Upper
43 100
74 26.3 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 74.00 (73.70 to 74.70): VN0

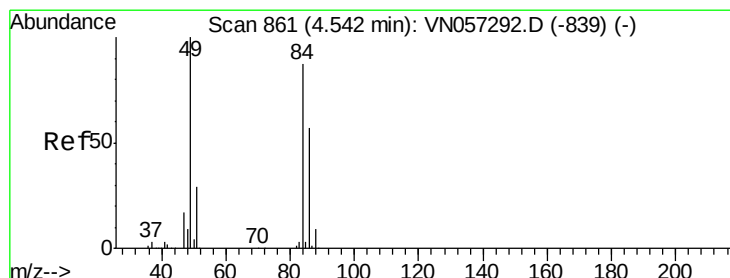
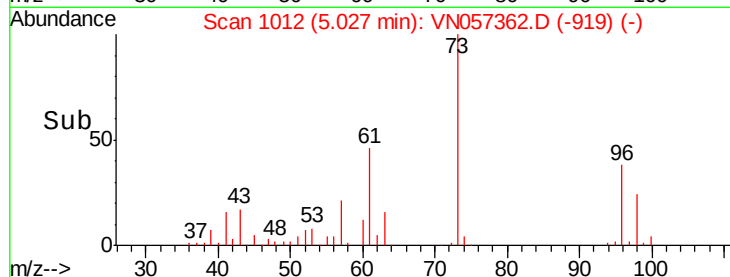
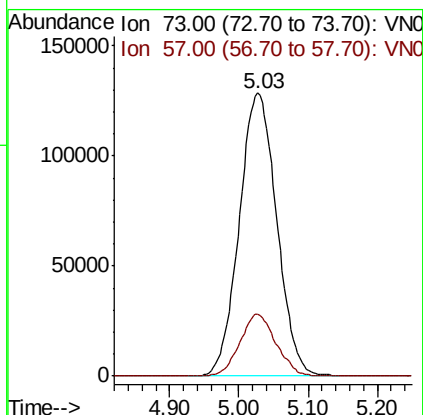
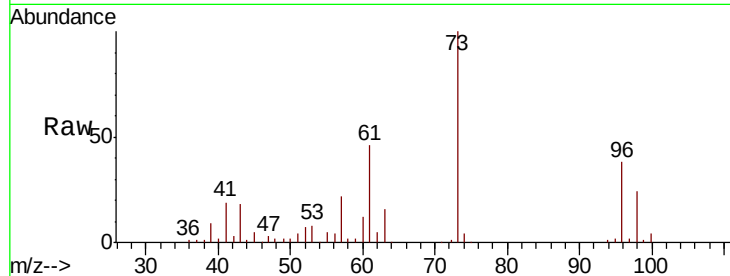




#19
Methyl tert-butyl Ether
Concen: 19.213 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

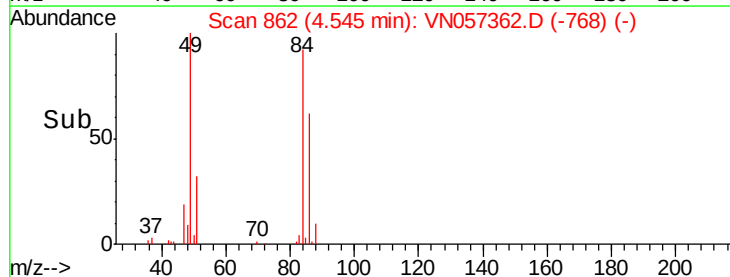
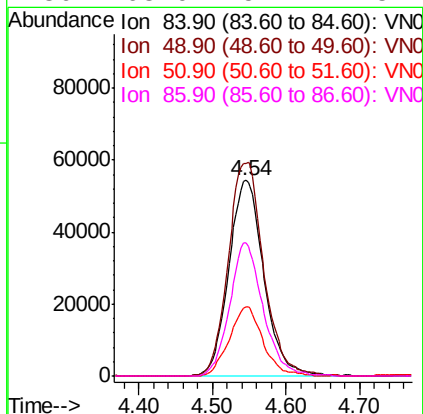
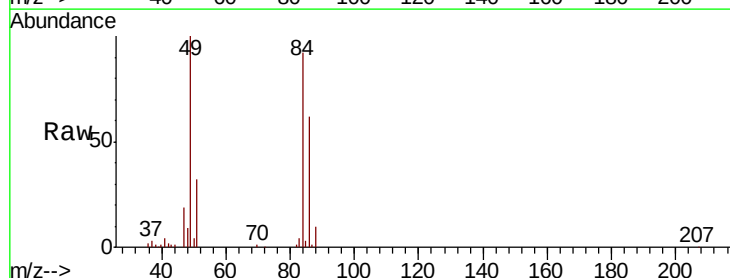
Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

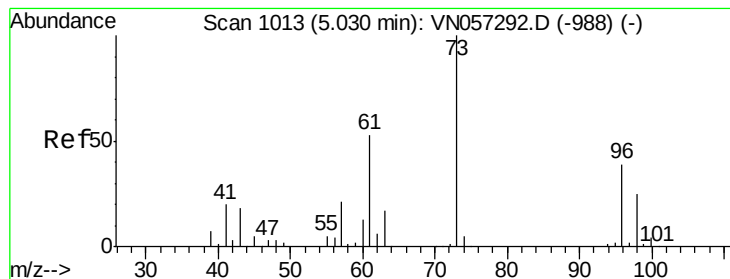
Tgt Ion: 73 Resp: 483248
Ion Ratio Lower Upper
73 100
57 21.8 16.9 25.3



#20
Methylene Chloride
Concen: 18.632 ug/l
RT: 4.54 min Scan# 862
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 84 Resp: 179606
Ion Ratio Lower Upper
84 100
49 108.9 92.0 138.0
51 35.4 27.1 40.7
86 68.0 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 18.874 ug/l

RT: 5.03 min Scan# 1014

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

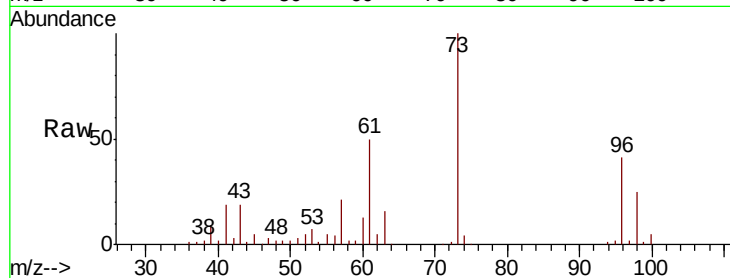
Tgt Ion: 96 Resp: 162699

Ion Ratio Lower Upper

96 100

61 120.2 109.5 164.3

98 61.6 51.0 76.6

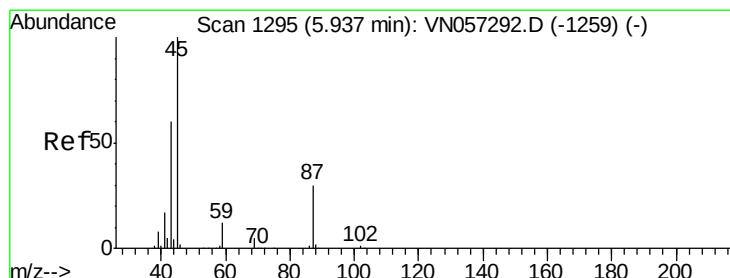
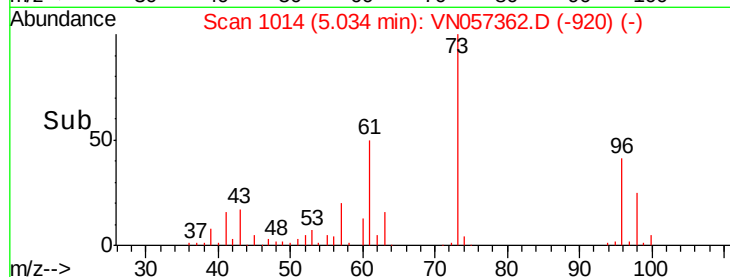
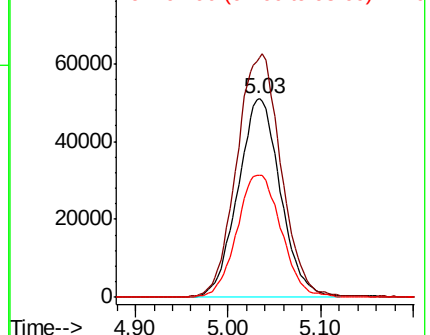


Abundance

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: 18.985 ug/l

RT: 5.94 min Scan# 1295

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion: 45 Resp: 481888

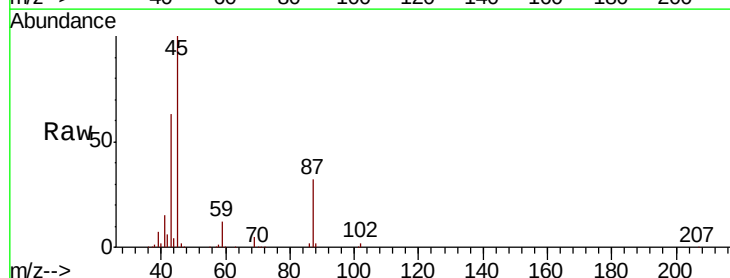
Ion Ratio Lower Upper

45 100

43 61.5 48.3 72.5

87 32.3 24.6 36.8

59 11.5 9.8 14.8



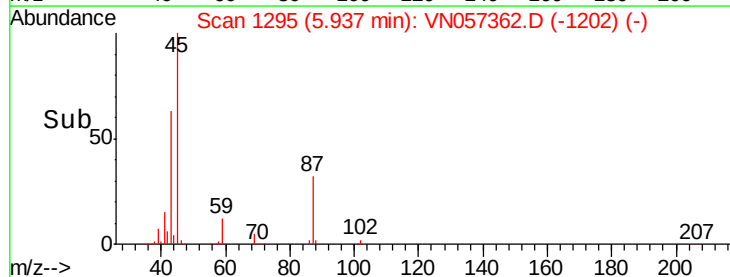
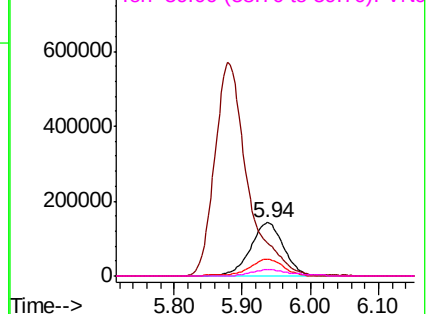
Abundance

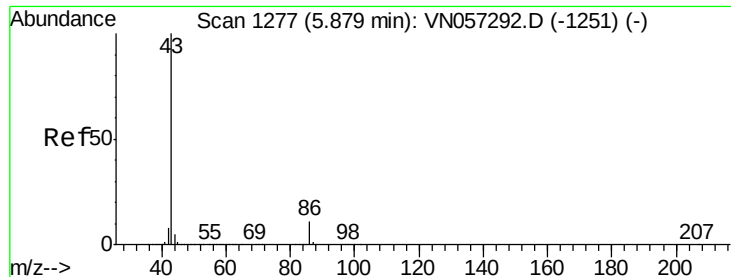
Ion 45.00 (44.70 to 45.70): VN0

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: 92.910 ug/l

RT: 5.88 min Scan# 1277

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

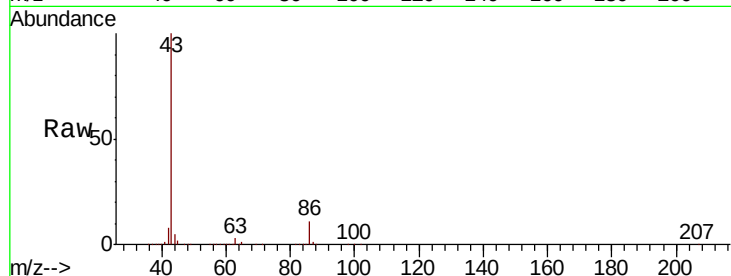
VN0818WBSD01

Tgt Ion: 43 Resp: 1897984

Ion Ratio Lower Upper

43 100

86 11.2 8.7 13.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0

5.88

600000

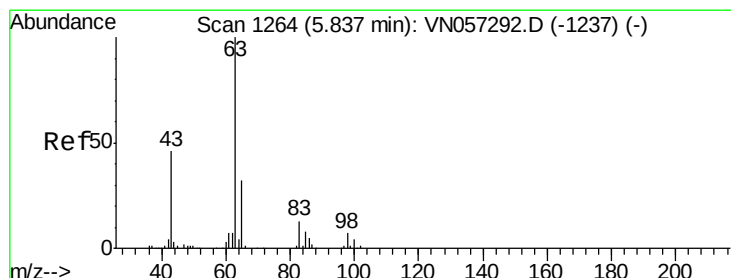
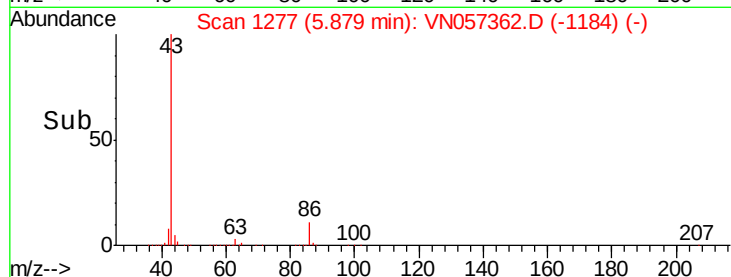
400000

200000

0

Time-->

5.80 5.90 6.00 6.10



#24

1,1-Dichloroethane

Concen: 18.788 ug/l

RT: 5.84 min Scan# 1264

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

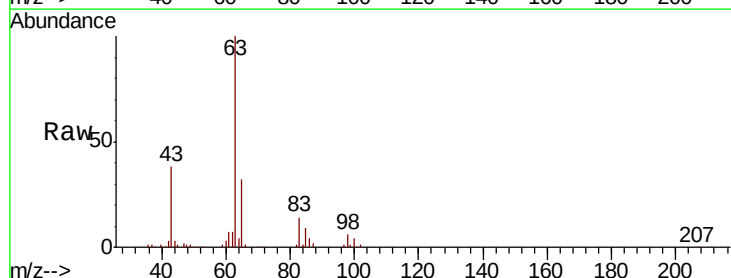
Tgt Ion: 63 Resp: 293402

Ion Ratio Lower Upper

63 100

98 6.4 3.3 9.9

100 4.4 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

120000

100000

80000

60000

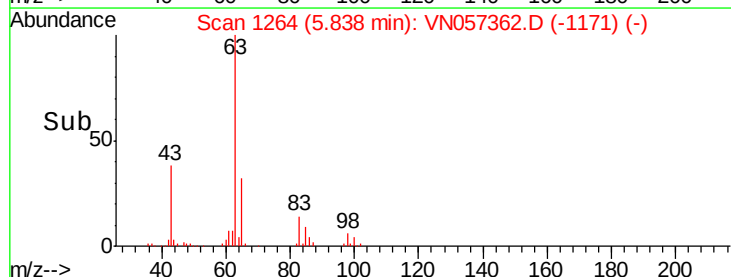
40000

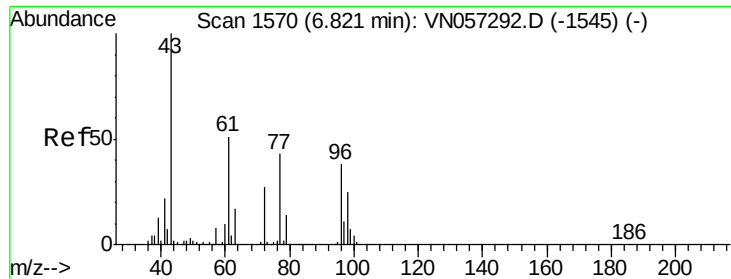
20000

0

Time-->

5.70 5.80 5.90

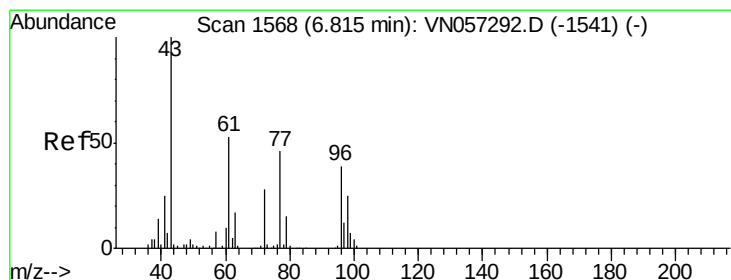
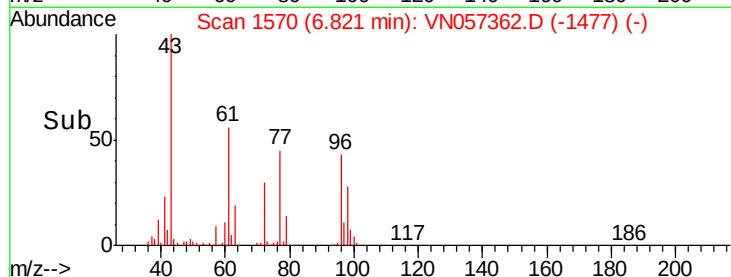
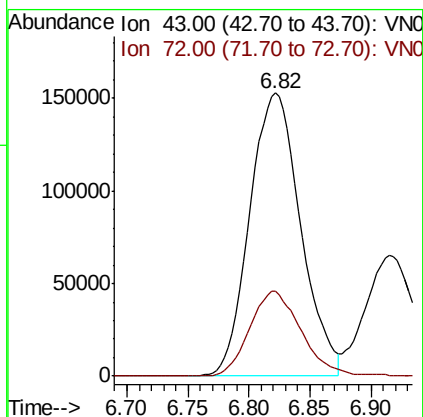
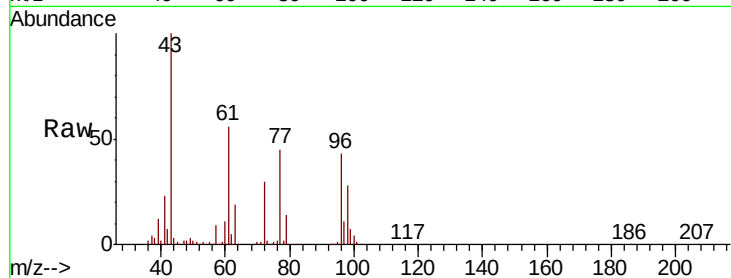




#25
 2-Butanone
 Concen: 88.433 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

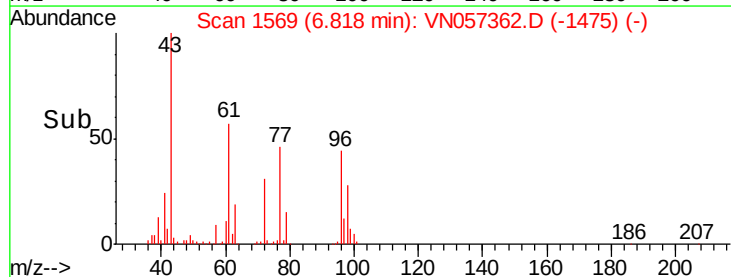
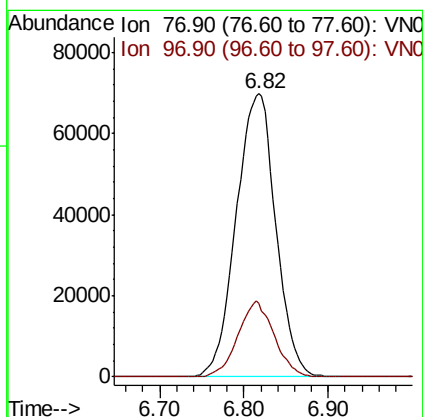
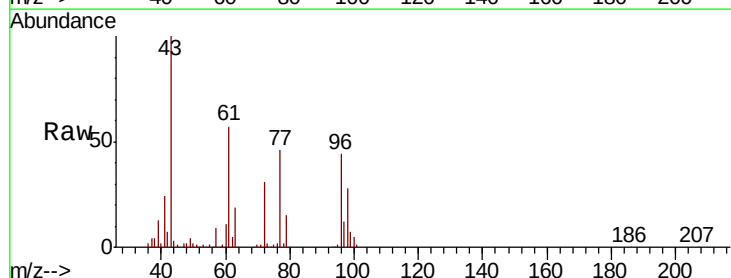
Instrument :
 MSVOA_N
 ClientSampled :
 VN0818WBSD01

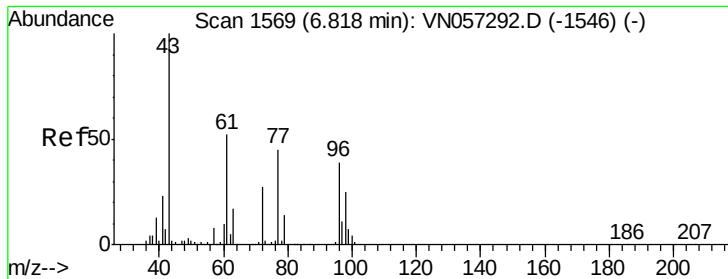
Tgt Ion: 43 Resp: 441215
 Ion Ratio Lower Upper
 43 100
 72 30.2 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 18.000 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 77 Resp: 227171
 Ion Ratio Lower Upper
 77 100
 97 24.5 12.3 36.9

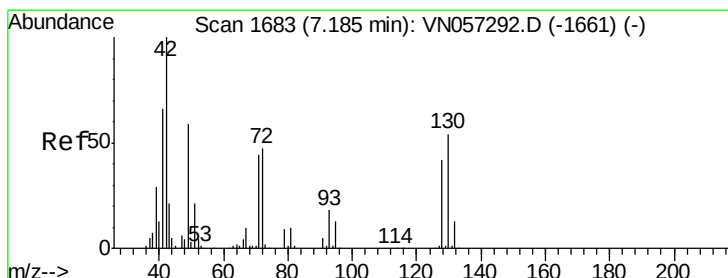
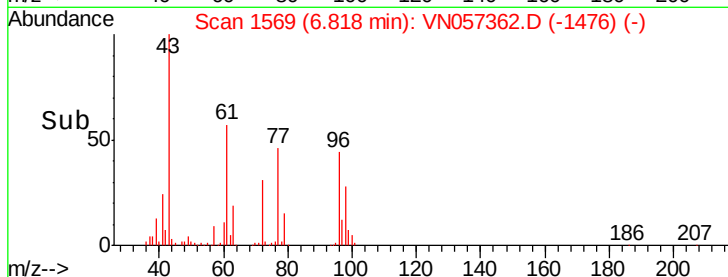
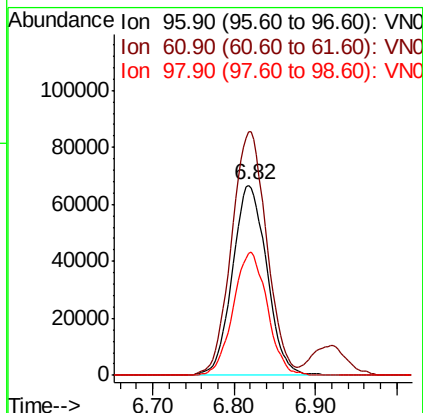
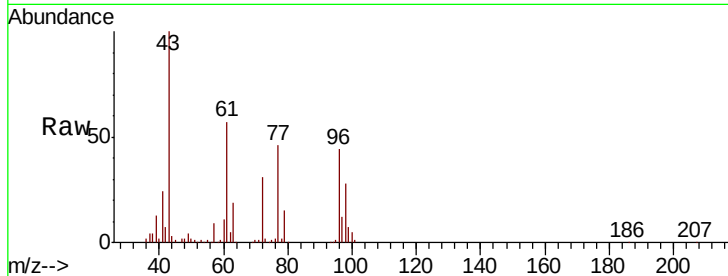




#27
 cis-1,2-Dichloroethene
 Concen: 19.123 ug/l
 RT: 6.82 min Scan# 1569
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

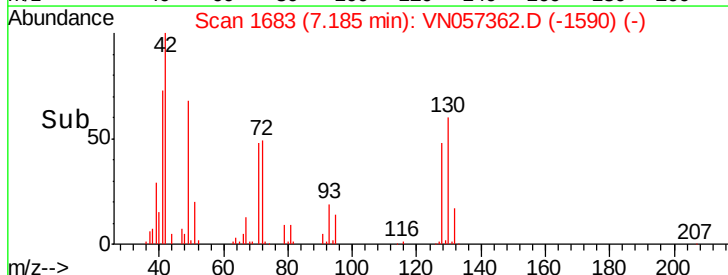
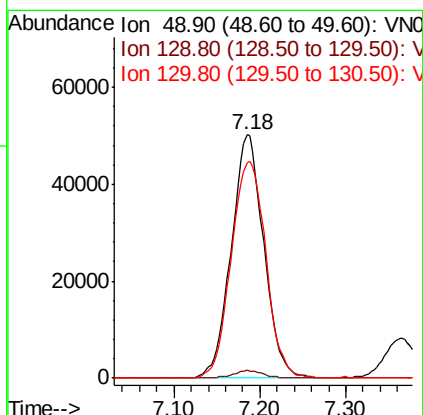
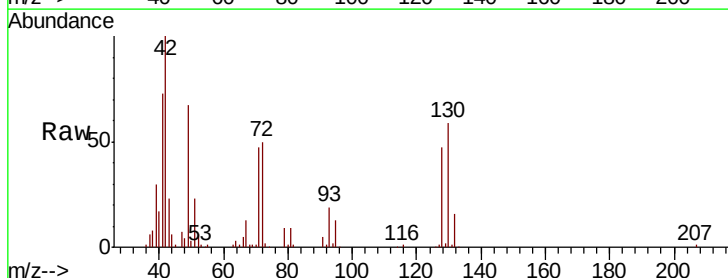
Instrument :
 MSVOA_N
 ClientSampled :
 VN0818WBSD01

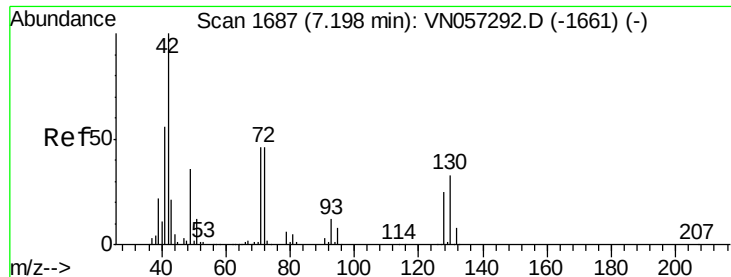
Tgt Ion: 96 Resp: 195155
 Ion Ratio Lower Upper
 96 100
 61 131.5 0.0 272.0
 98 64.2 0.0 130.4



#28
 Bromochloromethane
 Concen: 19.028 ug/l
 RT: 7.18 min Scan# 1683
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 49 Resp: 132024
 Ion Ratio Lower Upper
 49 100
 129 2.7 0.0 2.0#
 130 94.6 73.2 109.8





#29

Tetrahydrofuran

Concen: 91.605 ug/l

RT: 7.20 min Scan# 1687

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampled :

VN0818WBSD01

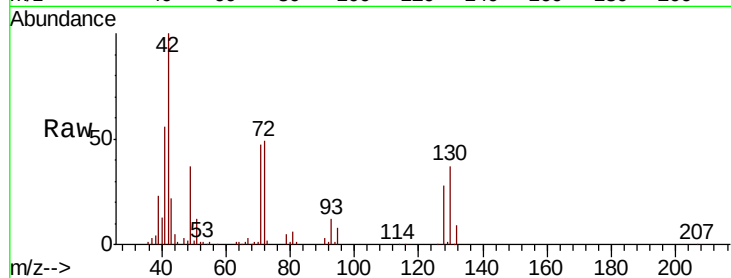
Tgt Ion: 42 Resp: 289237

Ion Ratio Lower Upper

42 100

72 48.7 37.8 56.6

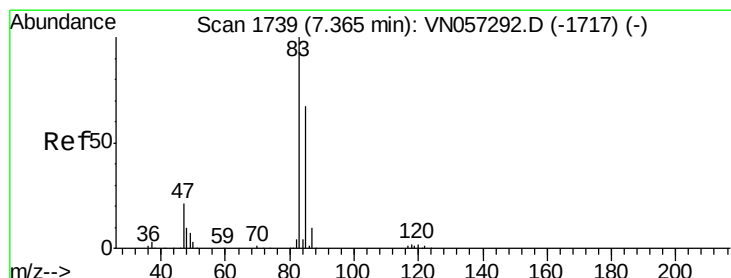
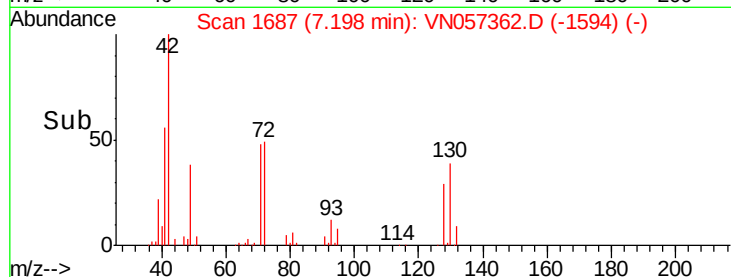
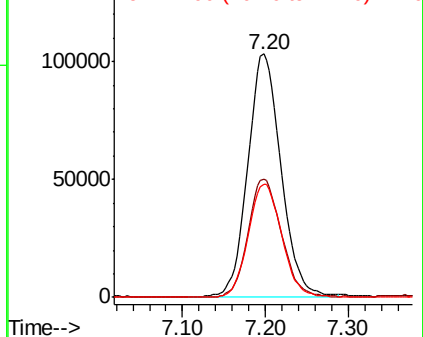
71 46.6 35.7 53.5



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 18.818 ug/l

RT: 7.36 min Scan# 1738

Delta R.T. -0.00 min

Lab File: VN057362.D

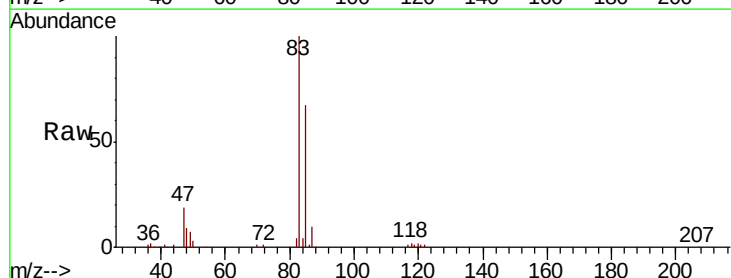
Acq: 16 Aug 2019 18:46

Tgt Ion: 83 Resp: 307963

Ion Ratio Lower Upper

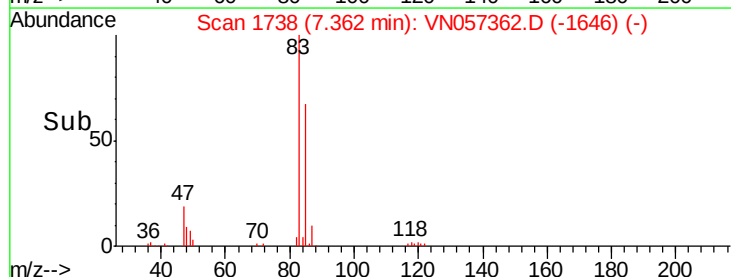
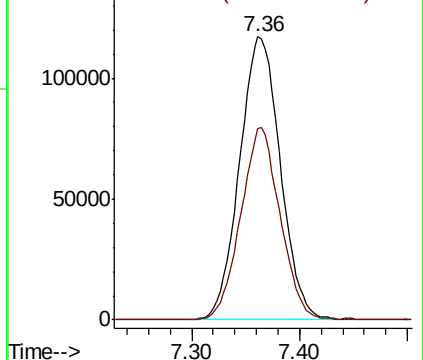
83 100

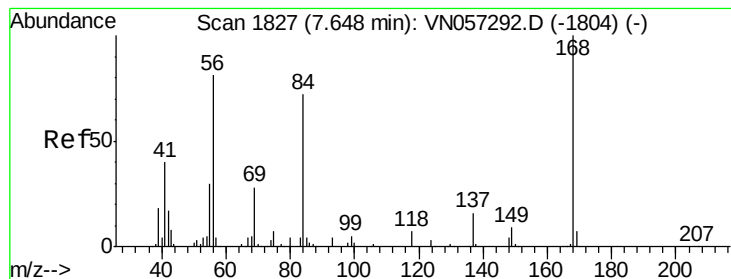
85 67.4 53.3 79.9



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 18.361 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

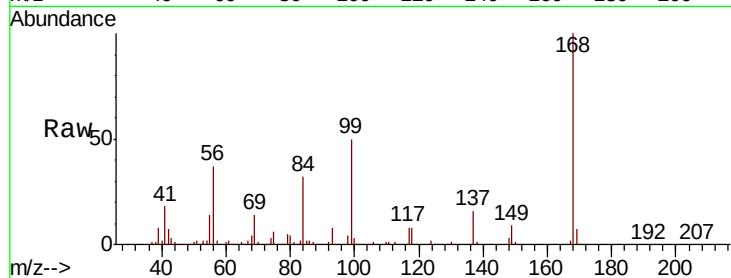
Tgt Ion: 56 Resp: 248480

Ion Ratio Lower Upper

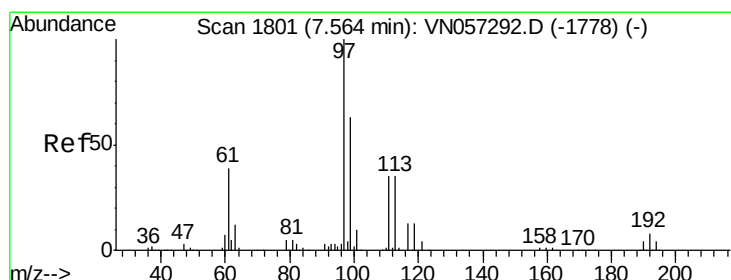
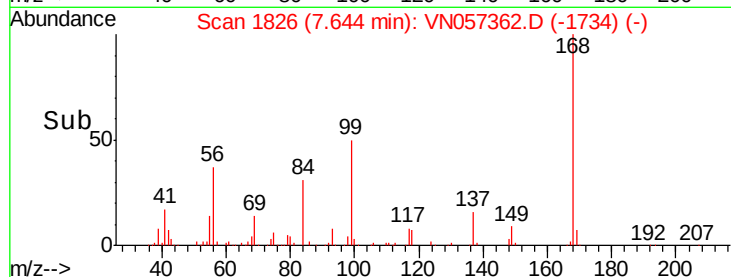
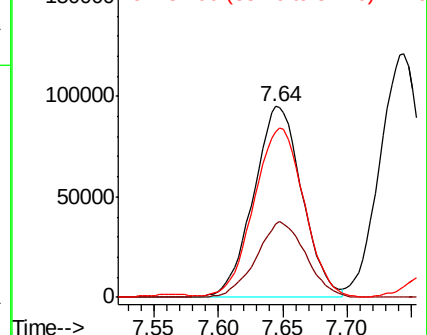
56 100

69 38.2 27.3 40.9

84 85.9 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: 19.327 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

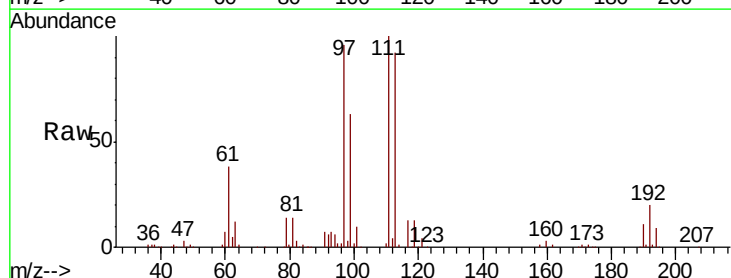
Tgt Ion: 97 Resp: 266035

Ion Ratio Lower Upper

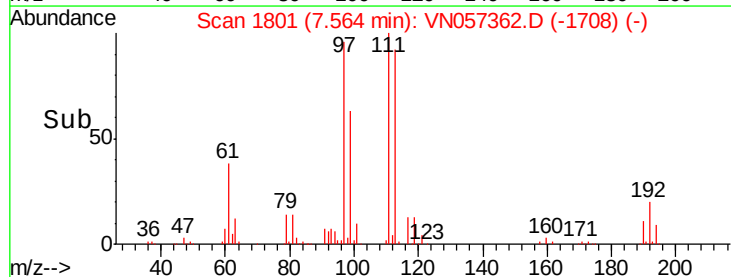
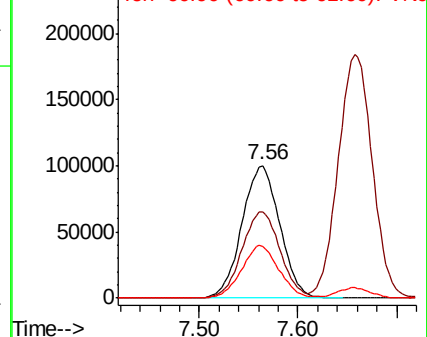
97 100

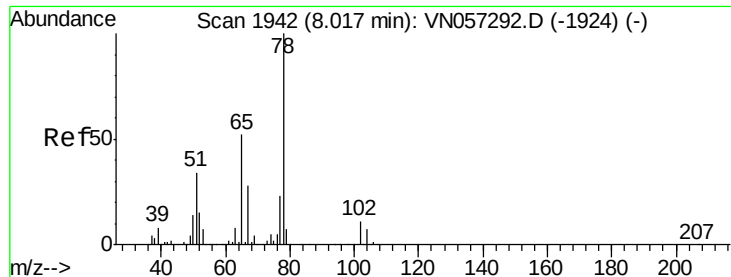
99 65.6 50.3 75.5

61 39.2 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

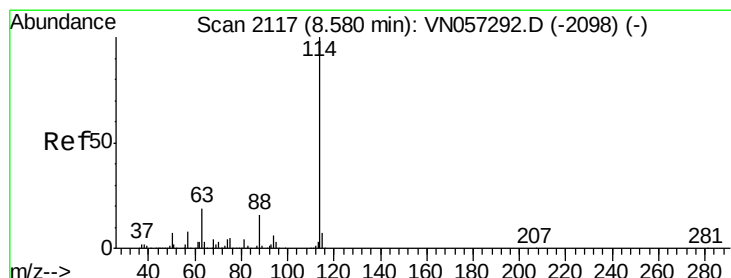
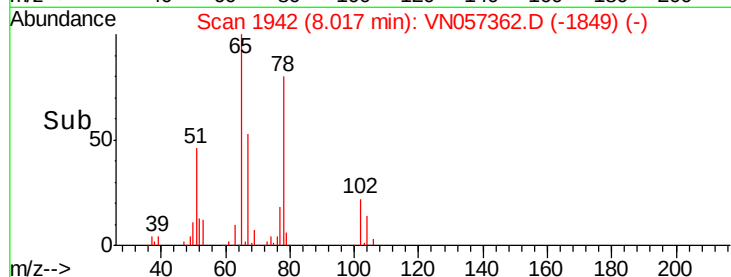
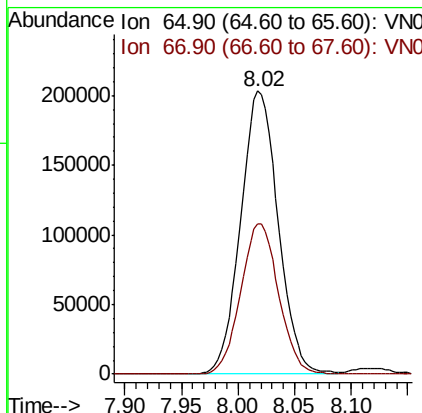
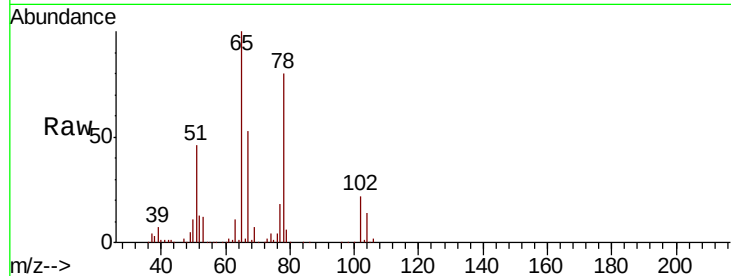




#33
 1,2-Dichloroethane-d4
 Concen: 47.390 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

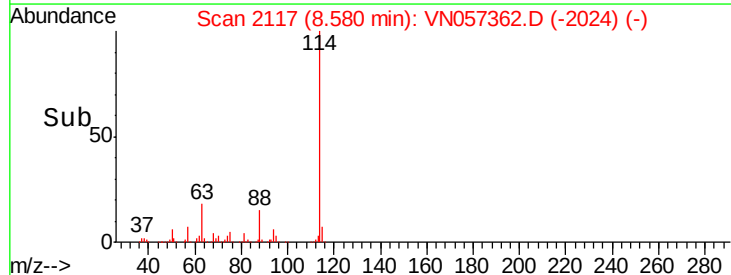
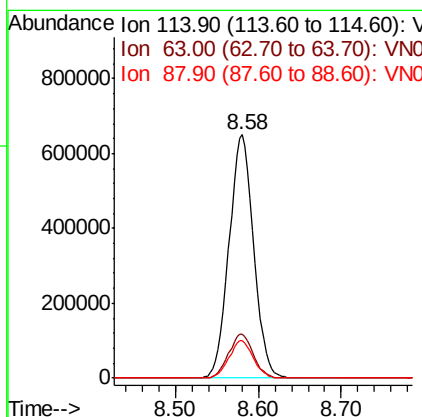
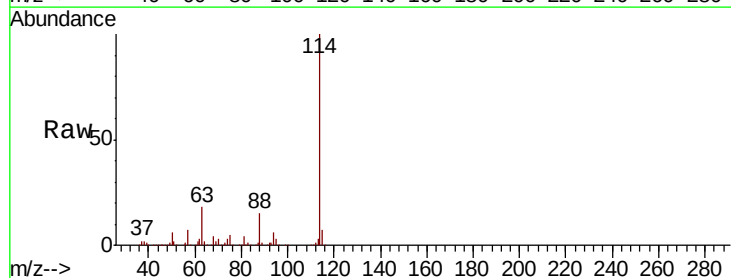
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

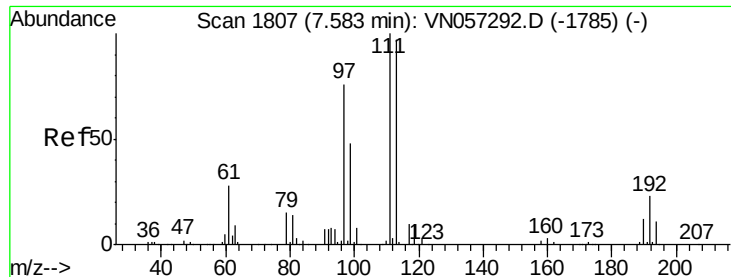
Tgt Ion: 65 Resp: 470672
 Ion Ratio Lower Upper
 65 100
 67 53.6 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 114 Resp: 1346356
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 38.8
 88 15.3 0.0 31.4

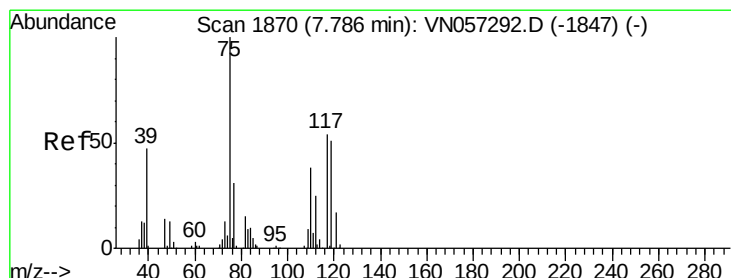
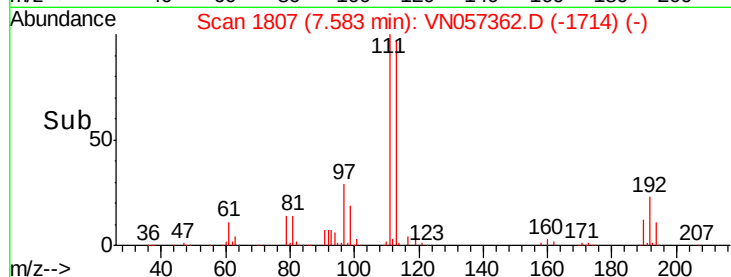
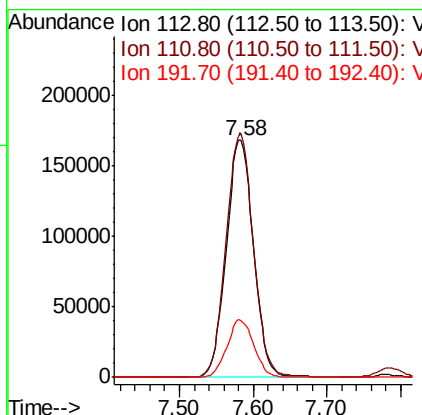
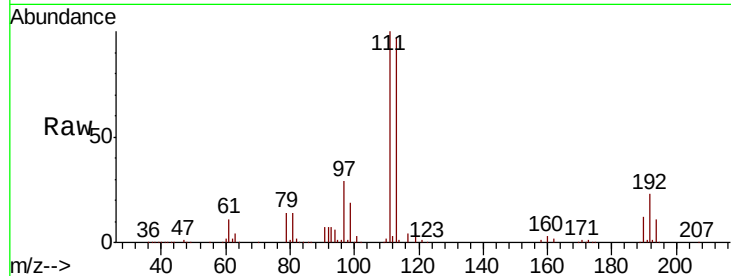




#35
 Dibromofluoromethane
 Concen: 49.060 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

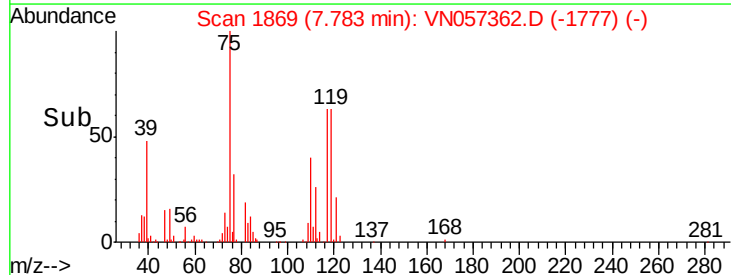
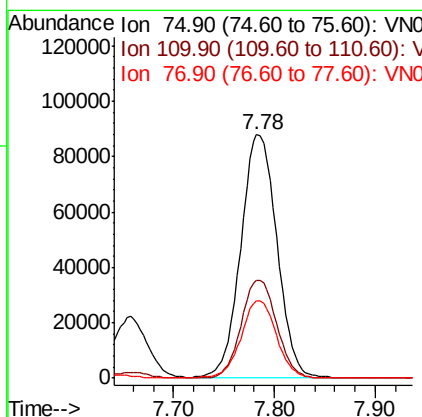
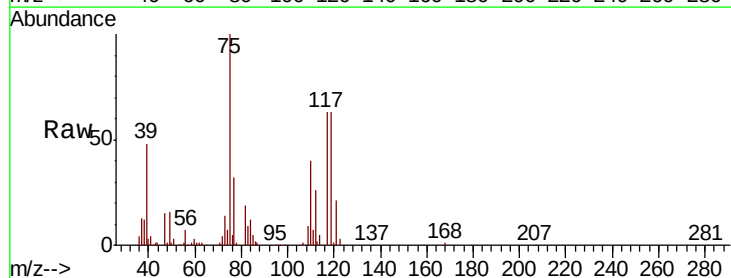
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

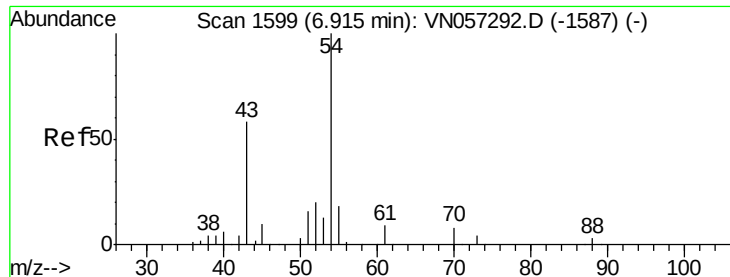
Tgt Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.1	123.1
192	23.9	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 18.240 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.8	19.5	58.5
77	31.6	25.0	37.6

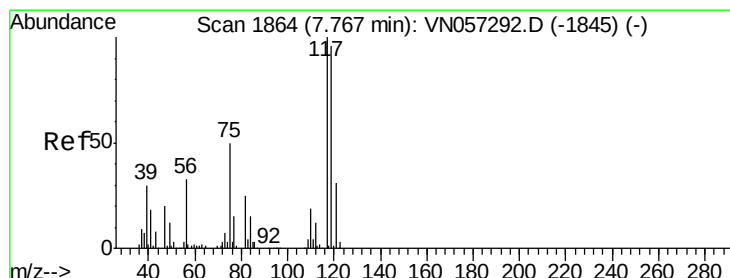
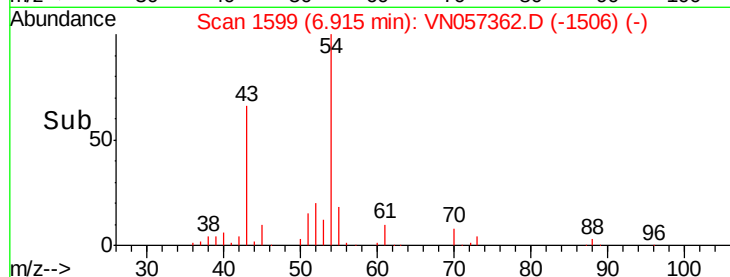
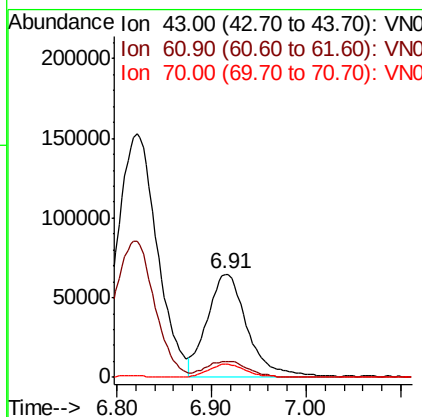
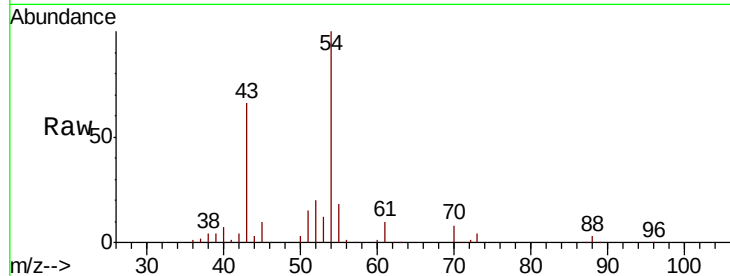




#37
Ethyl Acetate
Concen: 19.358 ug/l
RT: 6.91 min Scan# 1599
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

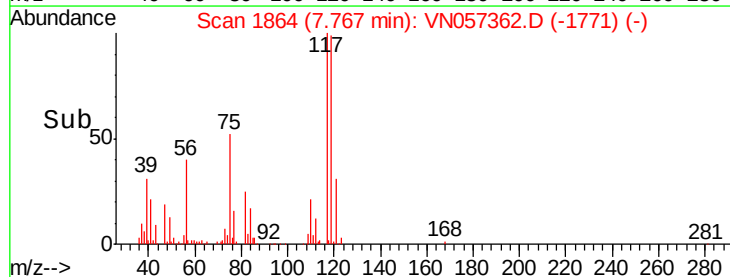
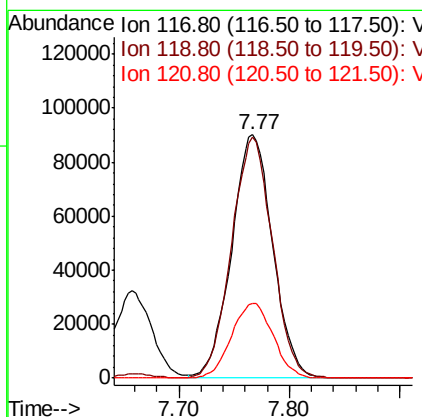
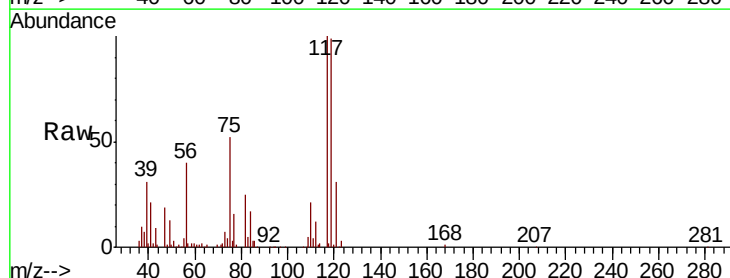
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

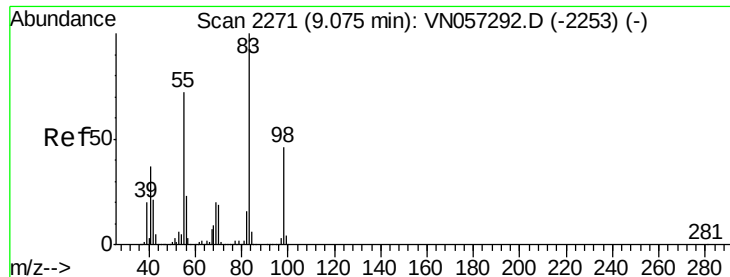
Tgt Ion: 43 Resp: 188477
Ion Ratio Lower Upper
43 100
61 16.1 12.0 18.0
70 12.1 9.2 13.8



#38
Carbon Tetrachloride
Concen: 18.859 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 117 Resp: 232934
Ion Ratio Lower Upper
117 100
119 98.6 76.8 115.2
121 30.9 25.0 37.4

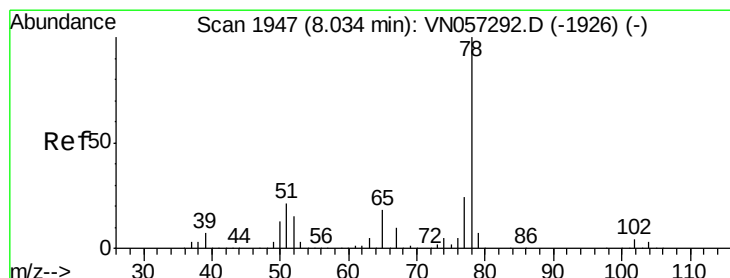
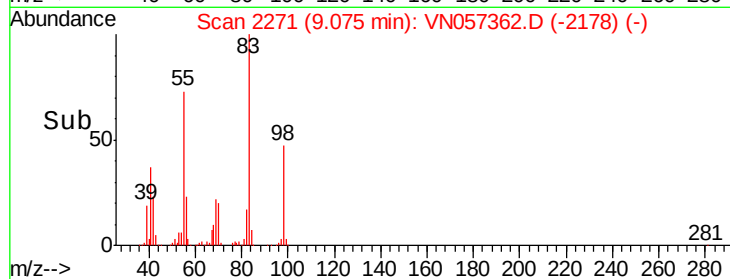
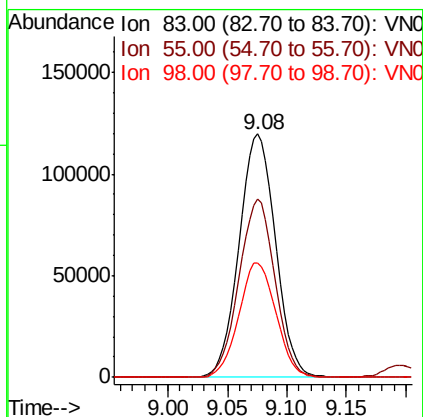
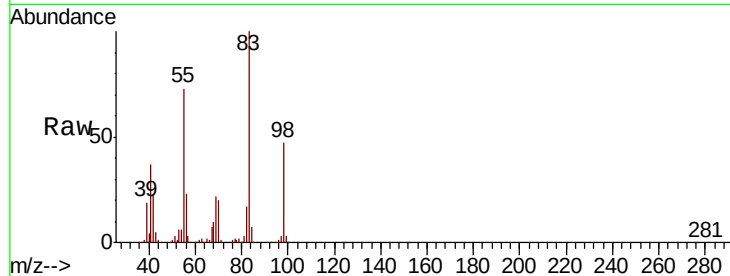




#39
Methylcyclohexane
Concen: 18.298 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

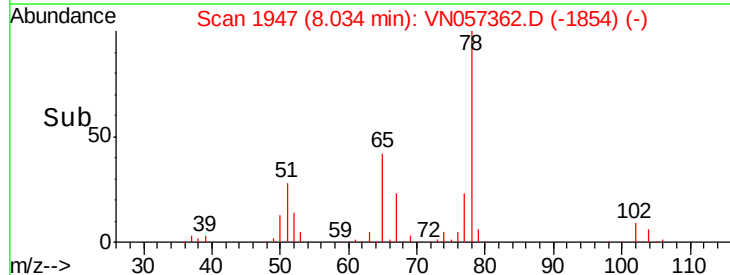
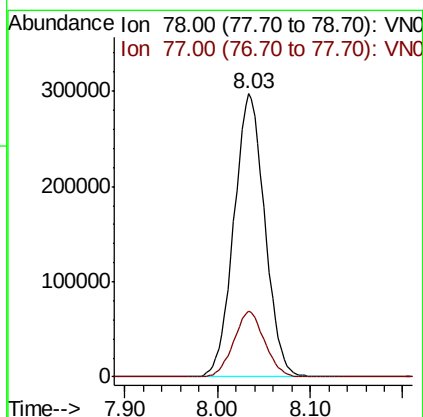
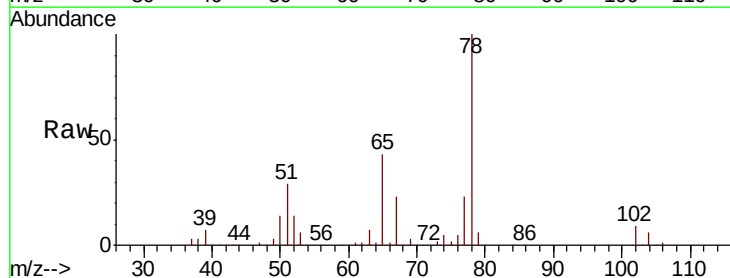
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

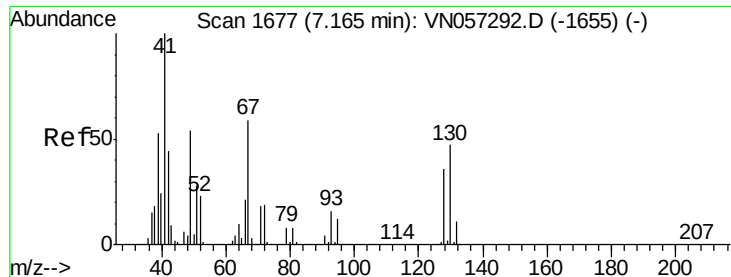
Tgt Ion: 83 Resp: 253990
Ion Ratio Lower Upper
83 100
55 73.4 57.5 86.3
98 47.1 36.6 55.0



#40
Benzene
Concen: 18.887 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 78 Resp: 686707
Ion Ratio Lower Upper
78 100
77 23.3 19.1 28.7

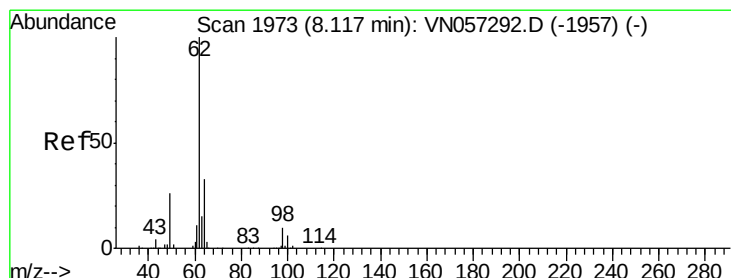
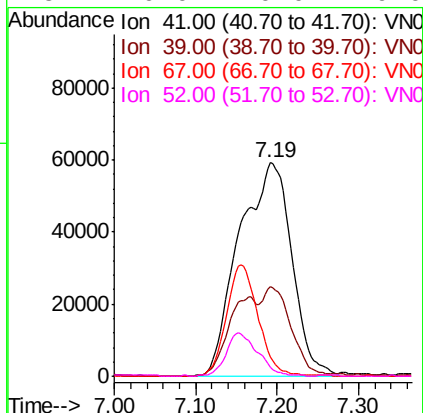
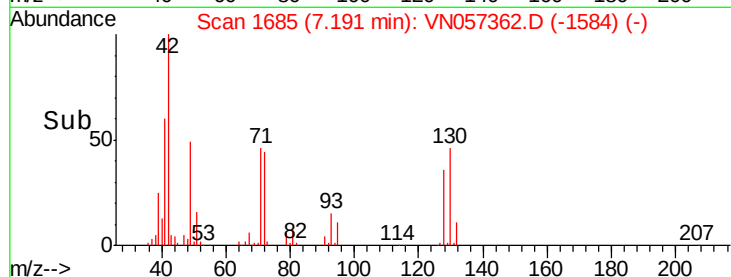
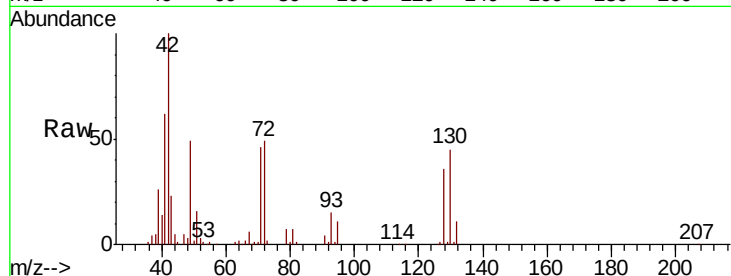




#41
Methacrylonitrile
Concen: 60.870 ug/l
RT: 7.19 min Scan# 1685
Delta R.T. 0.03 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

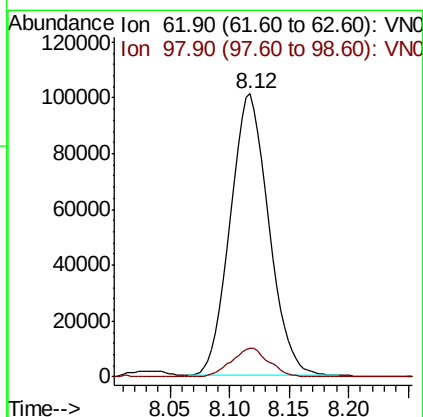
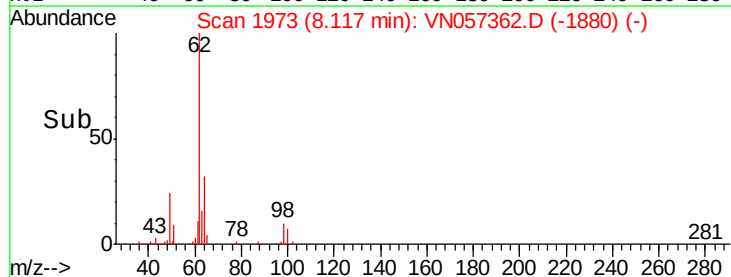
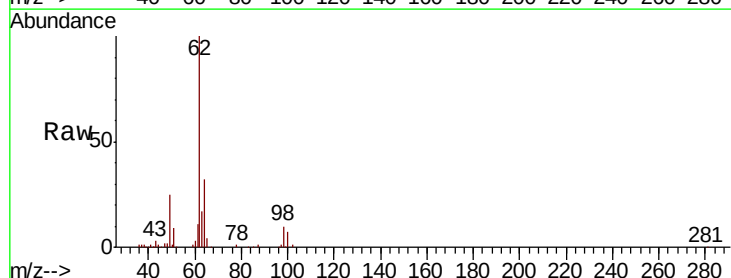
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

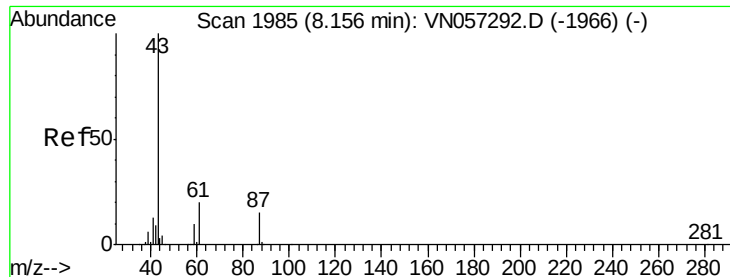
Tgt Ion:	41	Resp:	266890
Ion	Ratio	Lower	Upper
41	100		
39	0.0	0.0	0.0
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#42
1,2-Dichloroethane
Concen: 18.866 ug/l
RT: 8.12 min Scan# 1973
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion:	62	Resp:	227026
Ion	Ratio	Lower	Upper
62	100		
98	9.9	0.0	19.4





#43

Isopropyl Acetate

Concen: 16.858 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

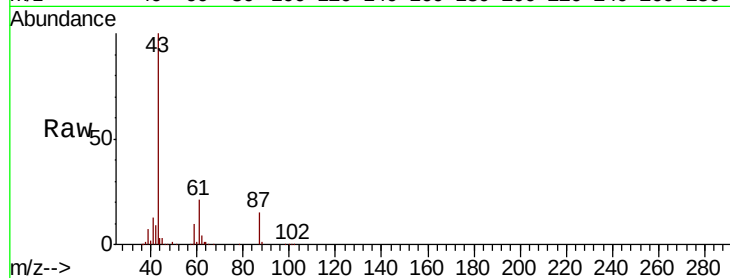
Tgt Ion: 43 Resp: 313487

Ion Ratio Lower Upper

43 100

61 29.2 21.6 32.4

87 15.6 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) (-)

8.16

150000

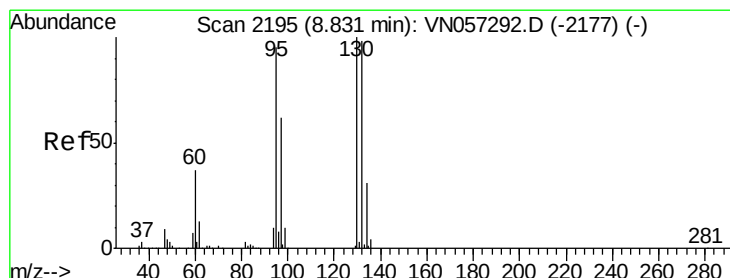
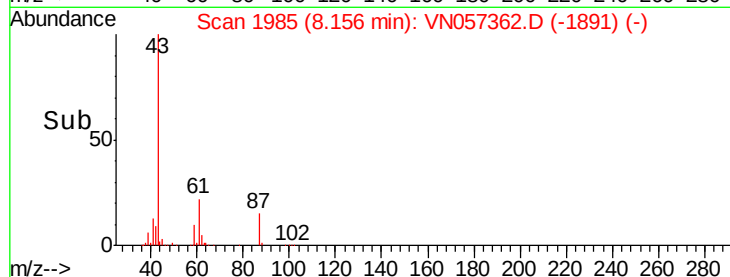
100000

50000

0

8.05 8.10 8.15 8.20

Time-->



#44

Trichloroethene

Concen: 19.386 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057362.D

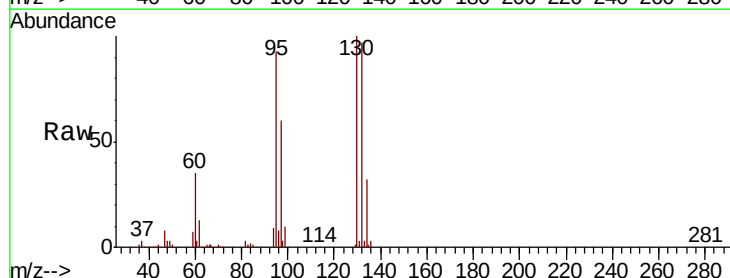
Acq: 16 Aug 2019 18:46

Tgt Ion: 130 Resp: 198165

Ion Ratio Lower Upper

130 100

95 93.1 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) (-)

8.83

100000

80000

60000

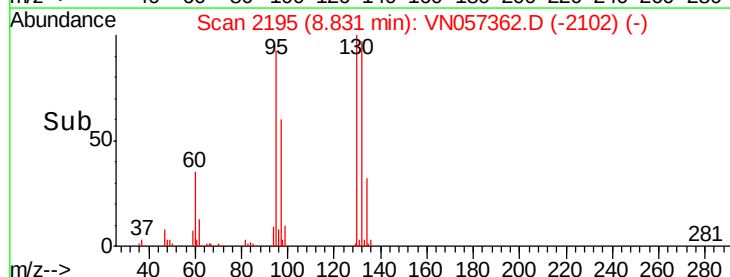
40000

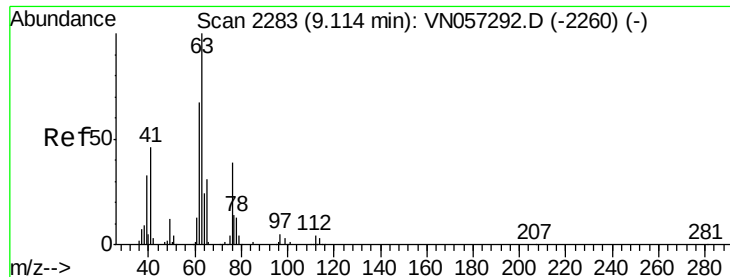
20000

0

8.75 8.80 8.85 8.90

Time-->

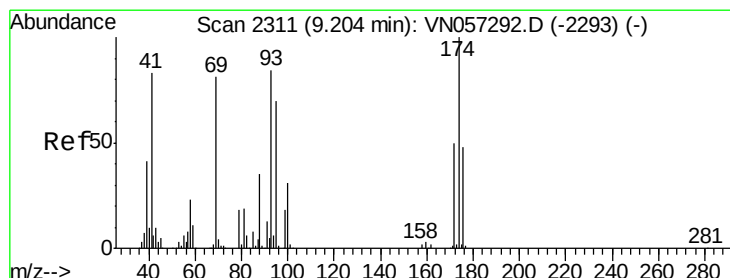
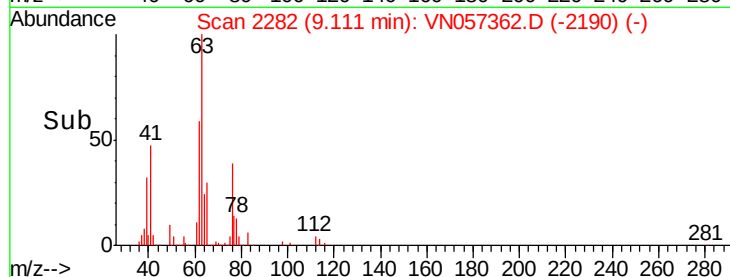
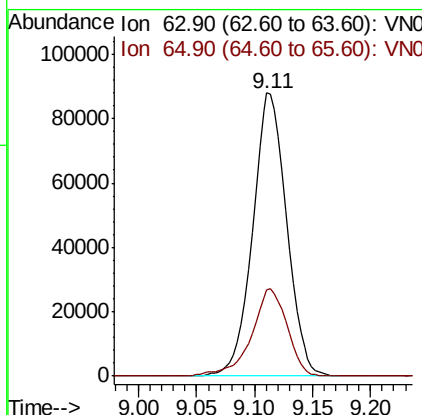
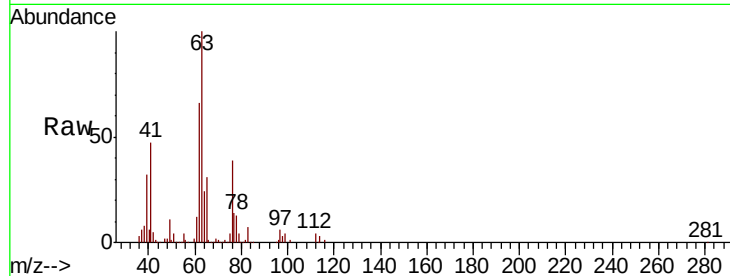




#45
 1,2-Dichloropropane
 Concen: 19.194 ug/l
 RT: 9.11 min Scan# 2282
 Delta R.T. -0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

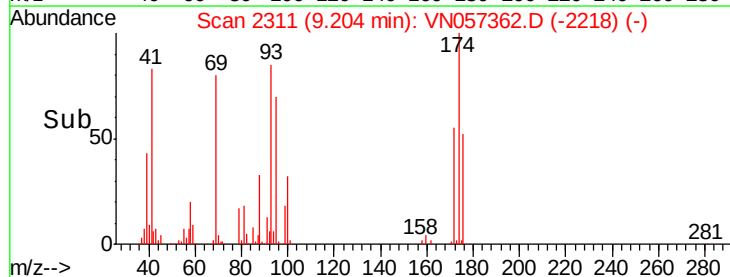
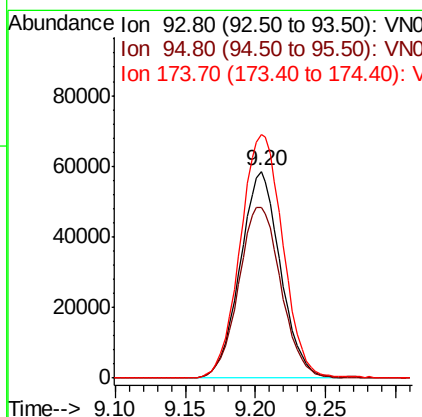
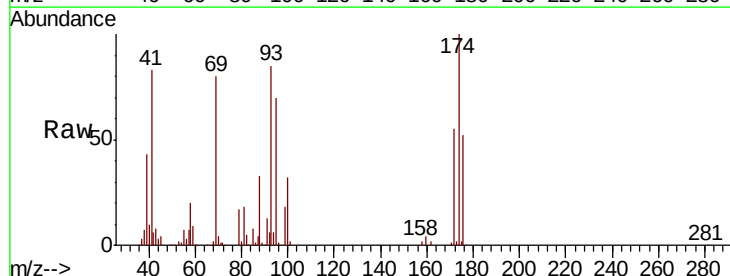
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

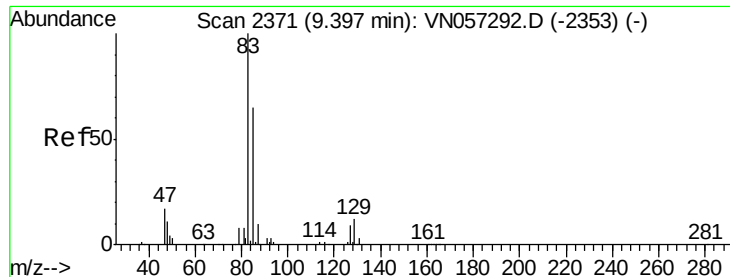
Tgt Ion: 63 Resp: 179888
 Ion Ratio Lower Upper
 63 100
 65 30.4 24.8 37.2



#46
 Dibromomethane
 Concen: 18.718 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 93 Resp: 117032
 Ion Ratio Lower Upper
 93 100
 95 86.9 66.5 99.7
 174 124.5 95.7 143.5





#47

Bromodichloromethane

Concen: 19.039 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

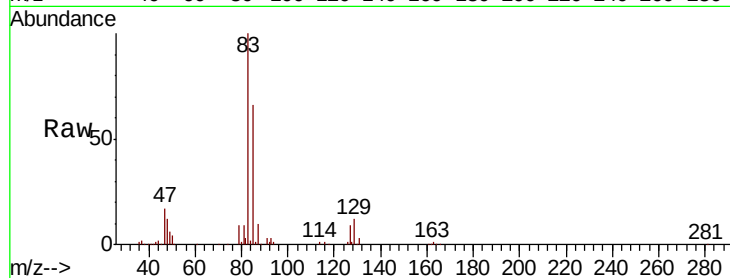
Tgt Ion: 83 Resp: 235848

Ion Ratio Lower Upper

83 100

85 65.9 51.9 77.9

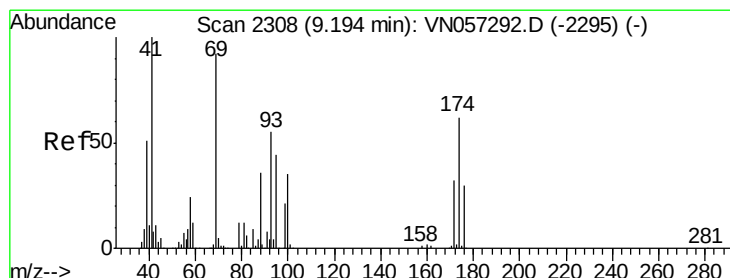
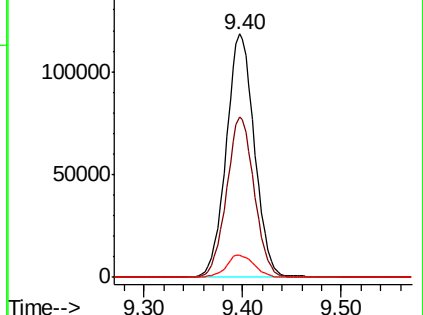
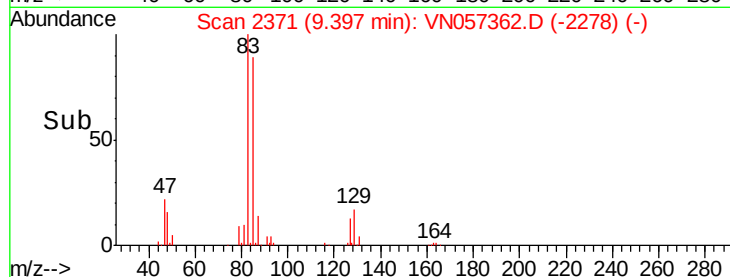
127 9.2 7.2 10.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 126.80 (126.50 to 127.50): VN0



#48

Methyl methacrylate

Concen: 18.345 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

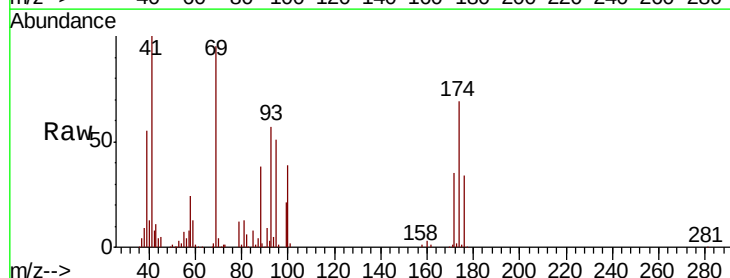
Tgt Ion: 41 Resp: 147086

Ion Ratio Lower Upper

41 100

69 99.3 75.9 113.9

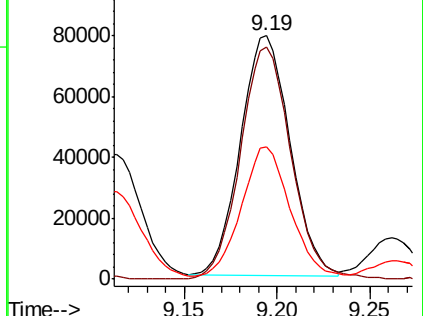
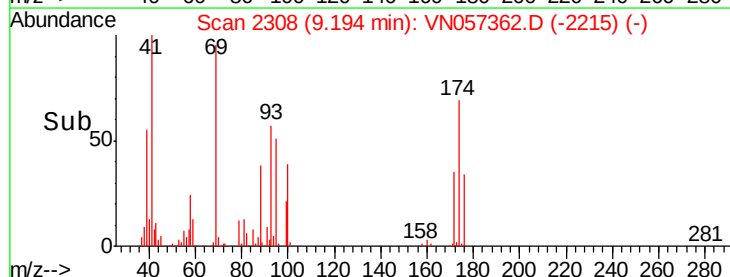
39 52.9 42.3 63.5

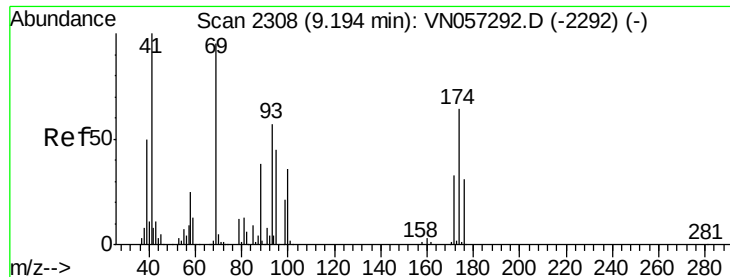


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

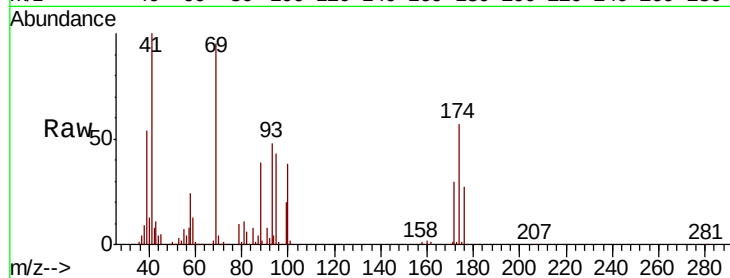




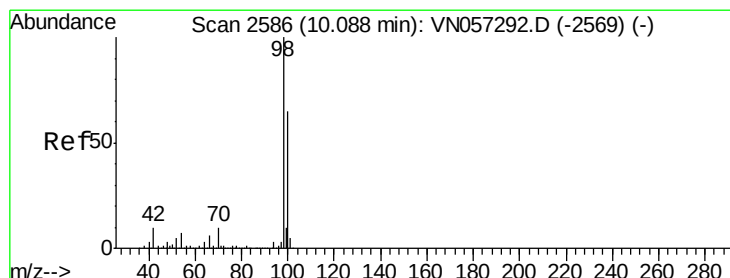
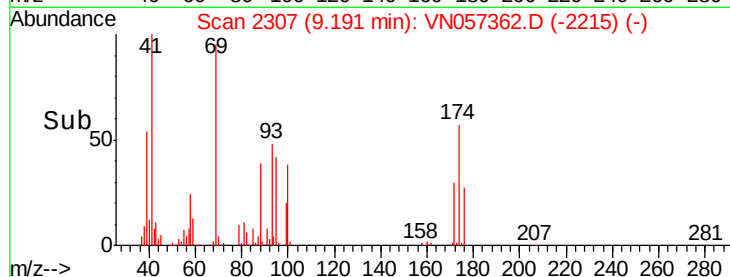
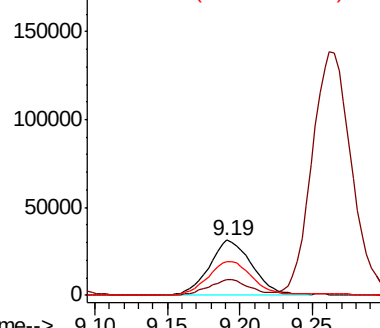
#49
1,4-Dioxane
Concen: 383.334 ug/l
RT: 9.19 min Scan# 2307
Delta R.T. -0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

Tgt Ion: 88 Resp: 64633
Ion Ratio Lower Upper
88 100
43 25.3 22.9 34.3
58 64.1 52.7 79.1

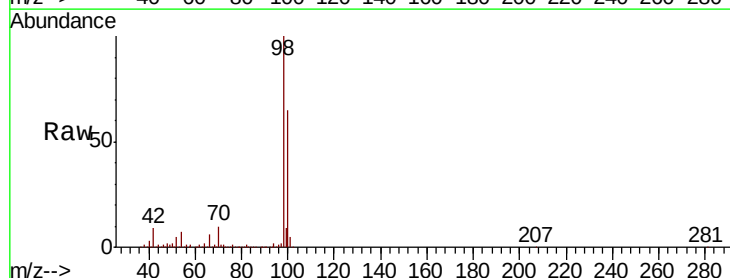


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

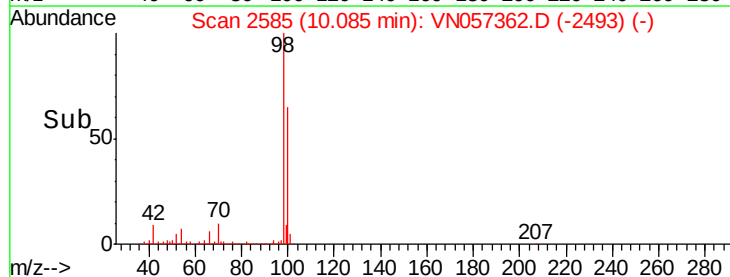
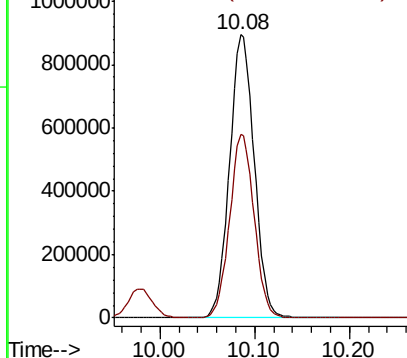


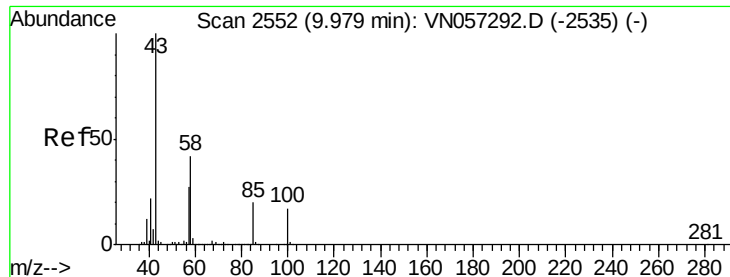
#50
Toluene-d8
Concen: 50.214 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 98 Resp: 1620922
Ion Ratio Lower Upper
98 100
100 64.3 51.9 77.9



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

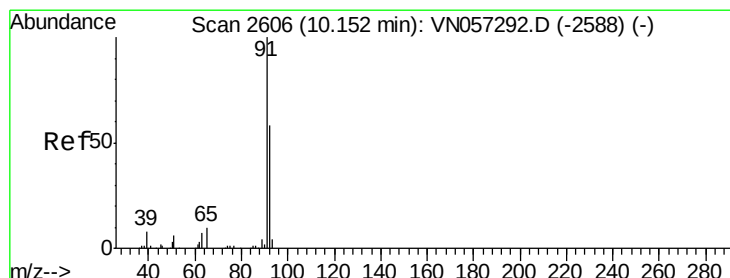
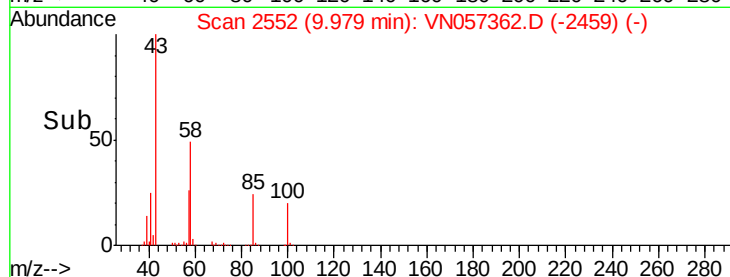
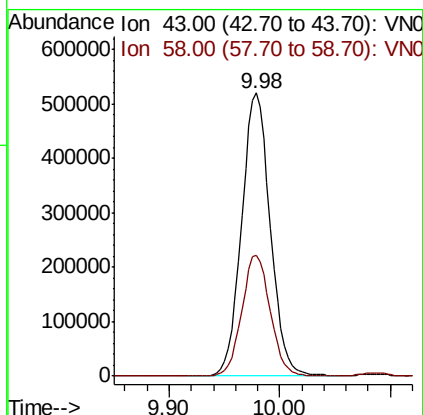
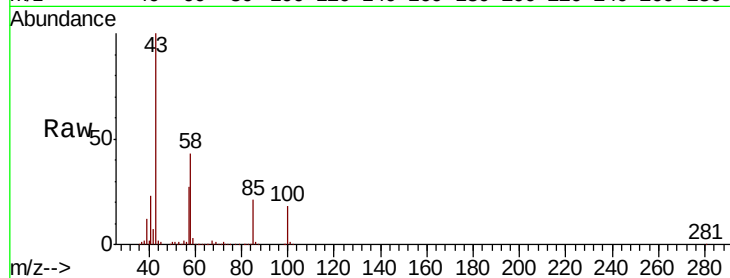




#51
 4-Methyl-2-Pentanone
 Concen: 92.749 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

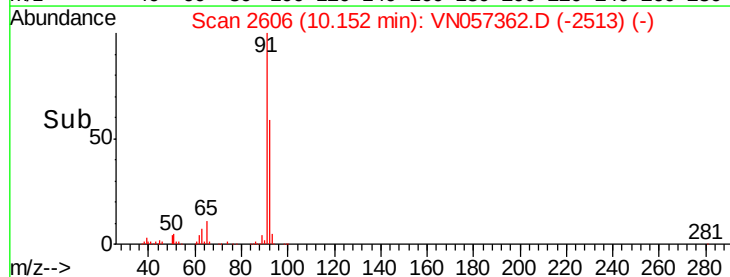
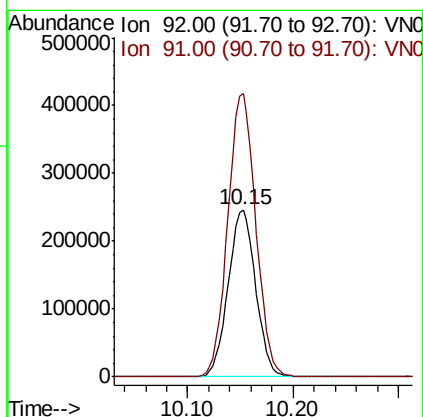
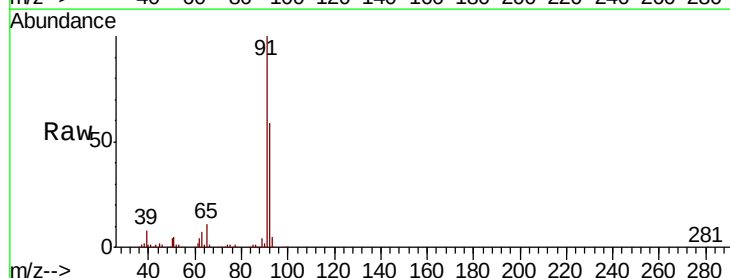
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

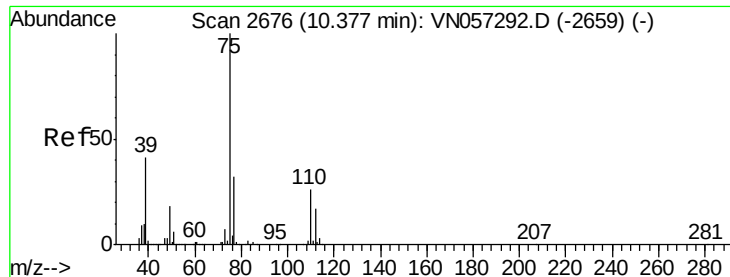
Tgt Ion: 43 Resp: 931610
 Ion Ratio Lower Upper
 43 100
 58 42.5 33.2 49.8



#52
 Toluene
 Concen: 19.596 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 92 Resp: 443467
 Ion Ratio Lower Upper
 92 100
 91 172.6 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 18.989 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

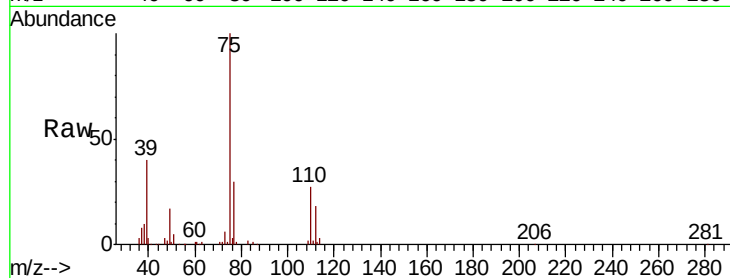
VN0818WBSD01

Tgt Ion: 75 Resp: 254446

Ion Ratio Lower Upper

75 100

77 30.0 25.5 38.3



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

10.38

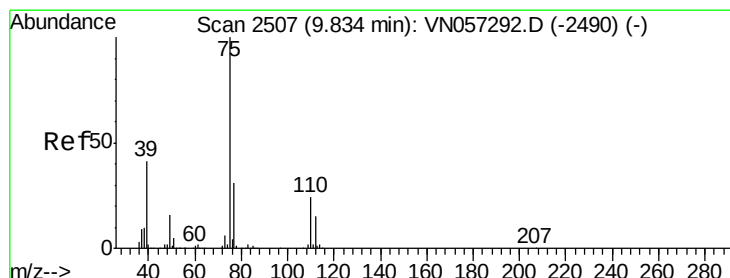
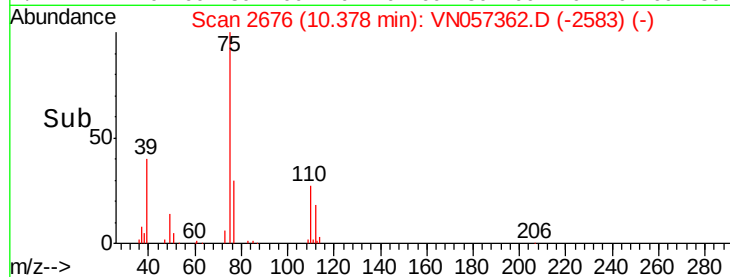
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 18.997 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

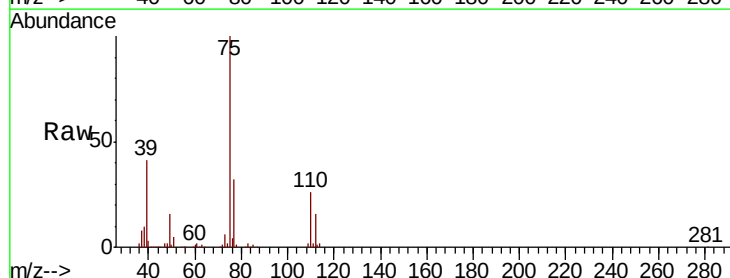
Tgt Ion: 75 Resp: 280696

Ion Ratio Lower Upper

75 100

77 32.3 24.9 37.3

39 41.0 32.7 49.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

200000

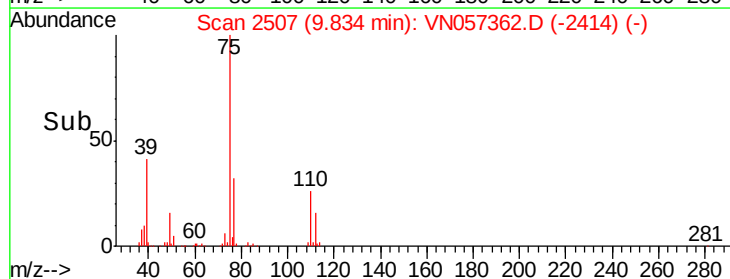
150000

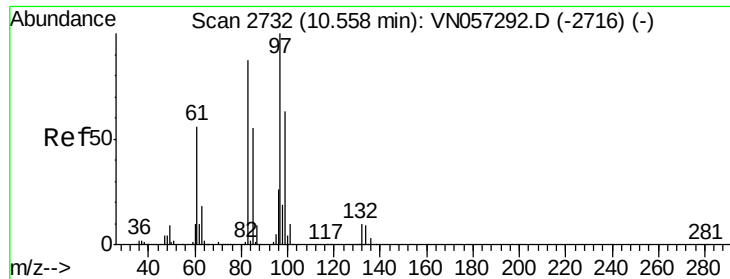
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.690 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

Tgt Ion: 97 Resp: 175224

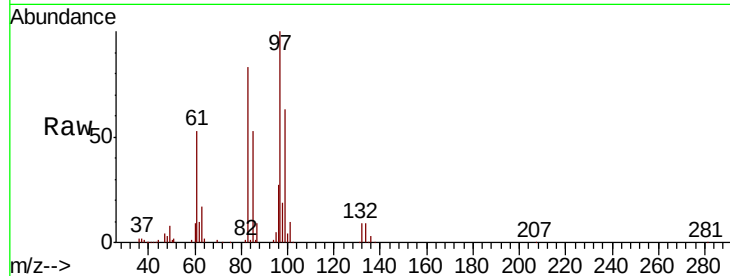
Ion Ratio Lower Upper

97 100

83 83.0 69.8 104.8

85 53.2 44.1 66.1

99 62.8 50.2 75.2

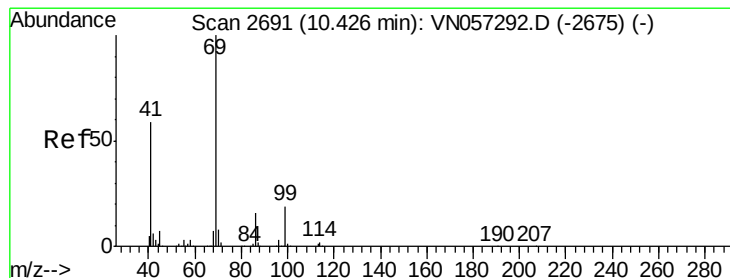
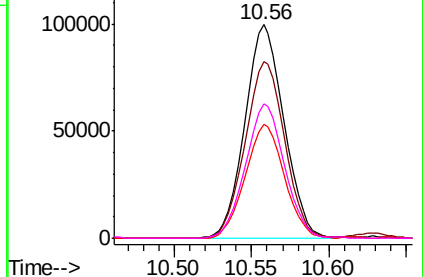
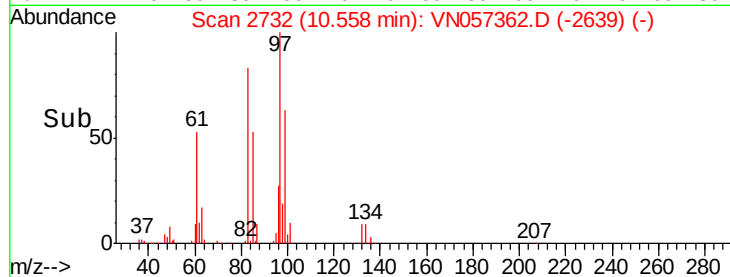


Abundance Ion 96.90 (96.60 to 97.60): VN0

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: 19.219 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

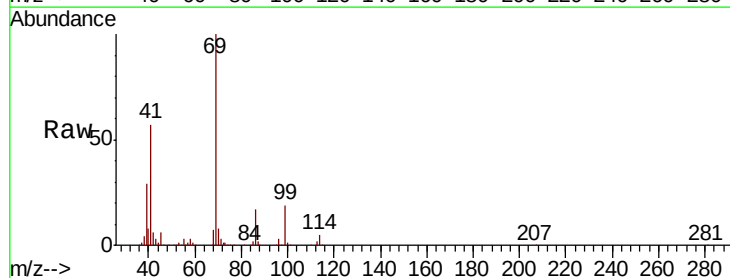
Tgt Ion: 69 Resp: 249587

Ion Ratio Lower Upper

69 100

41 57.9 48.2 72.2

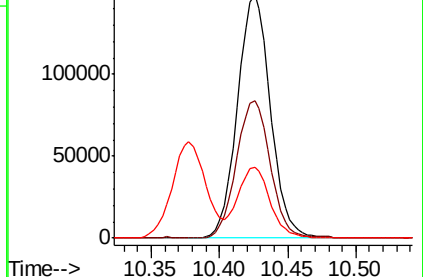
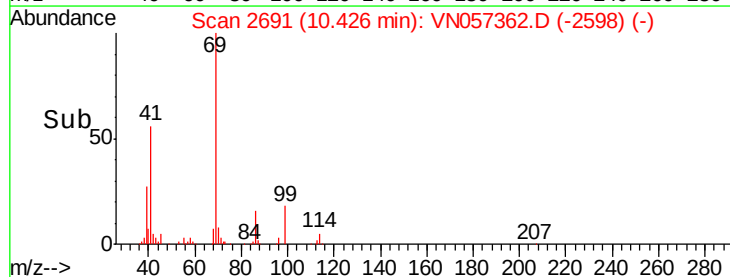
39 28.2 23.4 35.0

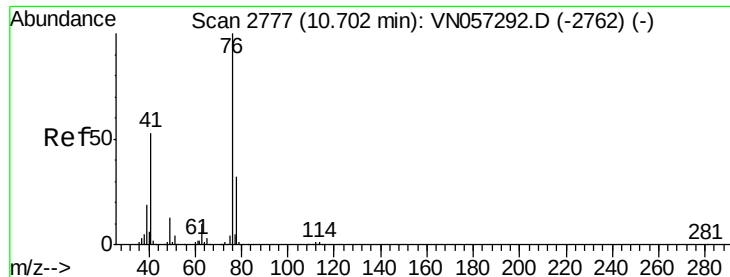


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 19.363 ug/l

RT: 10.70 min Scan# 2777

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

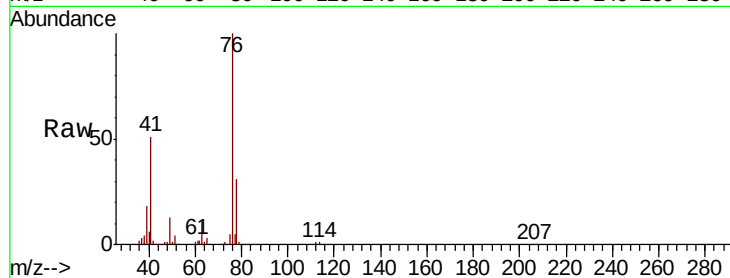
VN0818WBSD01

Tgt Ion: 76 Resp: 287855

Ion Ratio Lower Upper

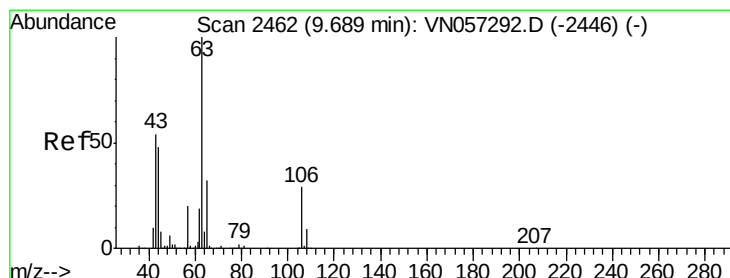
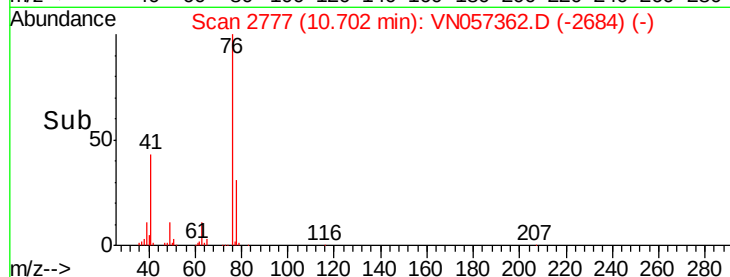
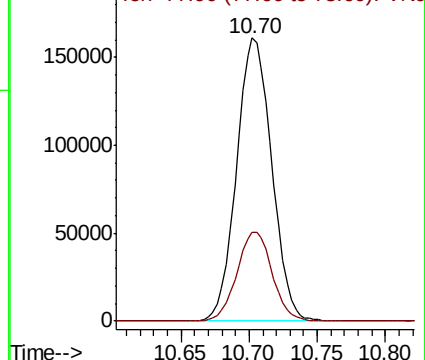
76 100

78 31.6 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 80.834 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057362.D

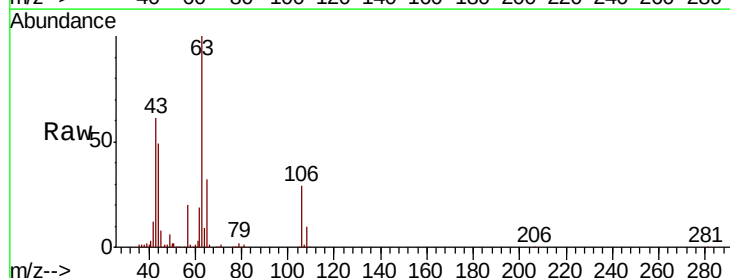
Acq: 16 Aug 2019 18:46

Tgt Ion: 63 Resp: 264918

Ion Ratio Lower Upper

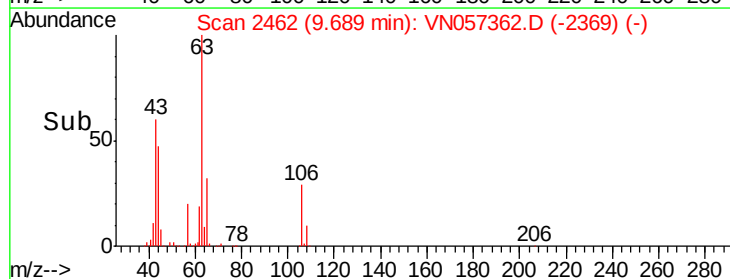
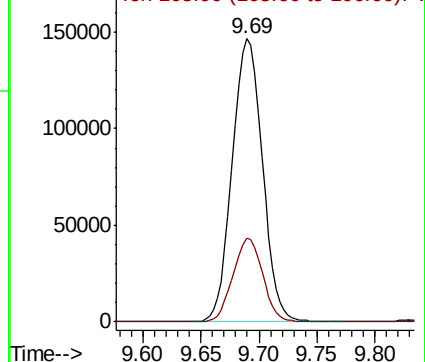
63 100

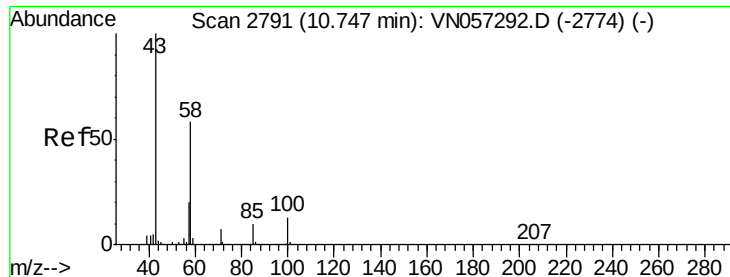
106 29.0 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

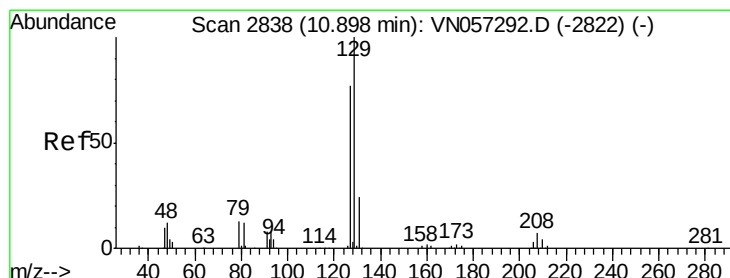
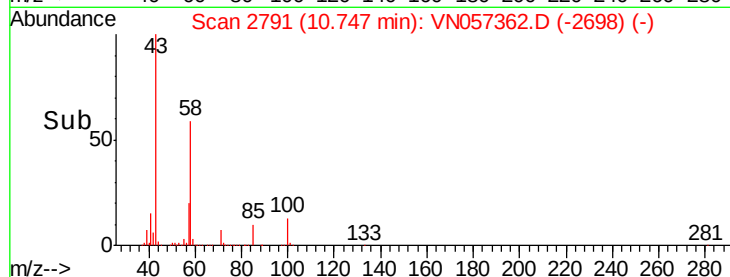
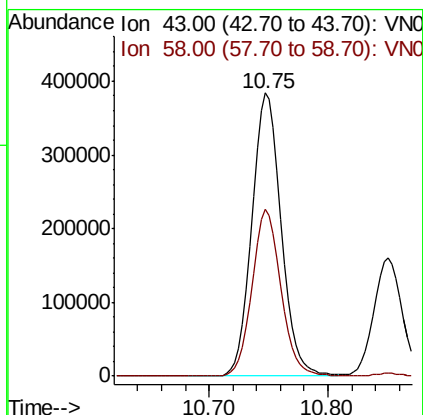
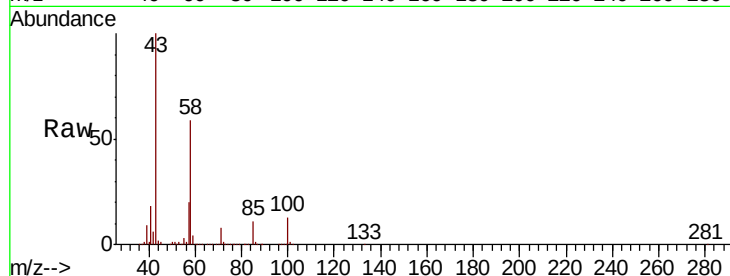




#59
2-Hexanone
Concen: 90.578 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

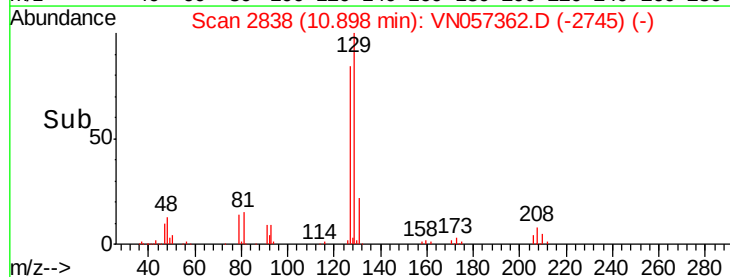
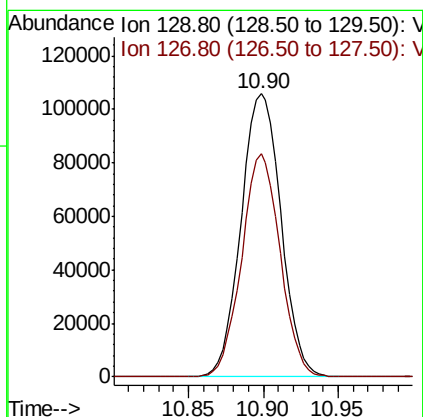
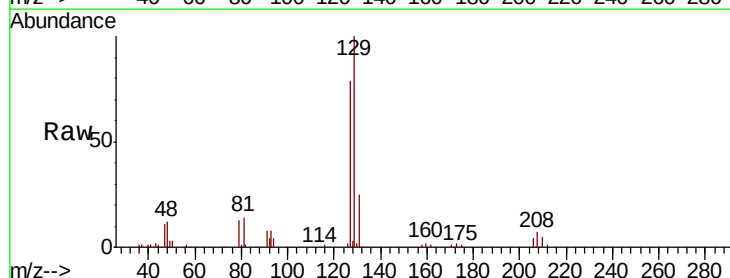
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

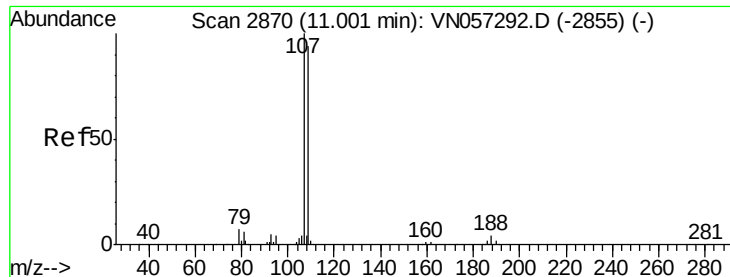
Tgt Ion: 43 Resp: 654084
Ion Ratio Lower Upper
43 100
58 58.2 28.6 85.9



#60
Dibromochloromethane
Concen: 19.746 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 129 Resp: 196921
Ion Ratio Lower Upper
129 100
127 75.8 39.0 116.9

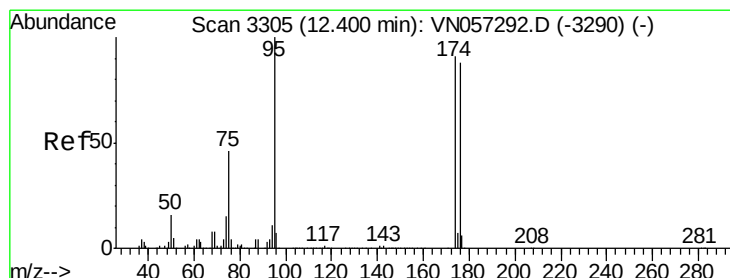
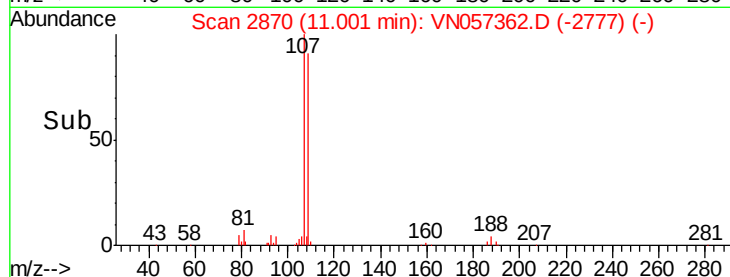
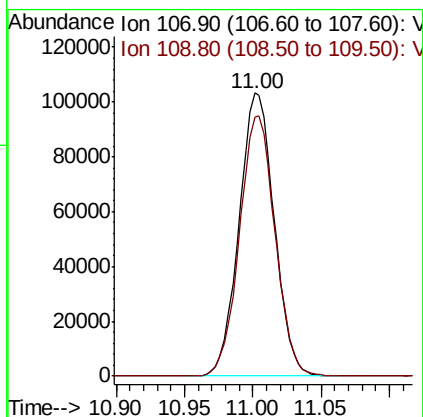
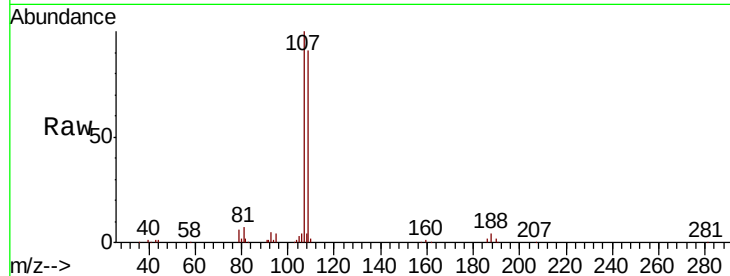




#61
 1,2-Dibromoethane
 Concen: 19.465 ug/l
 RT: 11.00 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

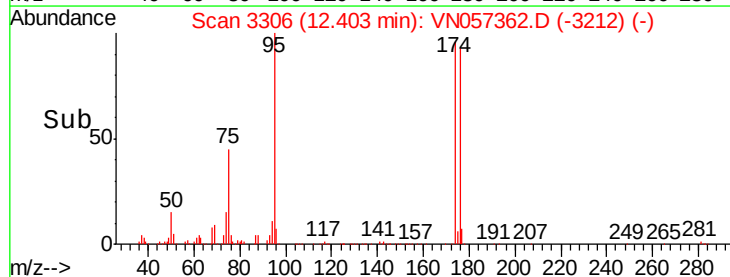
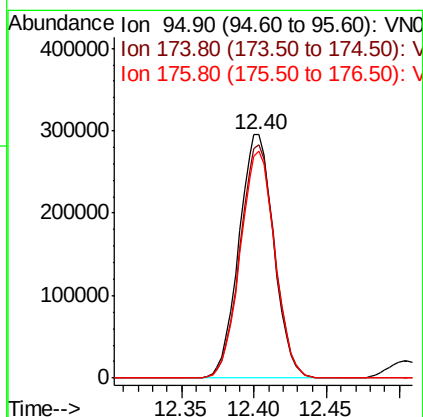
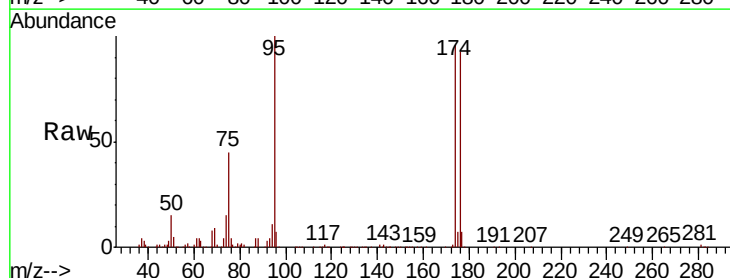
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

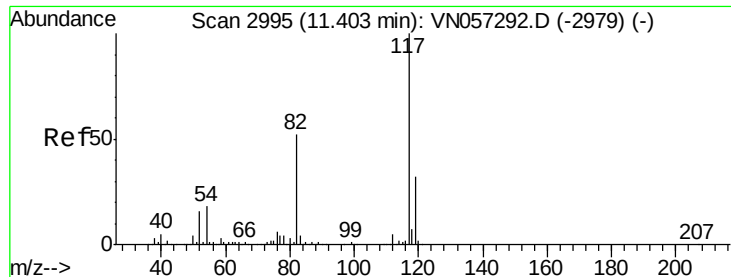
Tgt Ion: 107 Resp: 184521
 Ion Ratio Lower Upper
 107 100
 109 93.1 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 43.199 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion: 95 Resp: 492793
 Ion Ratio Lower Upper
 95 100
 174 95.7 0.0 185.0
 176 92.7 0.0 181.0

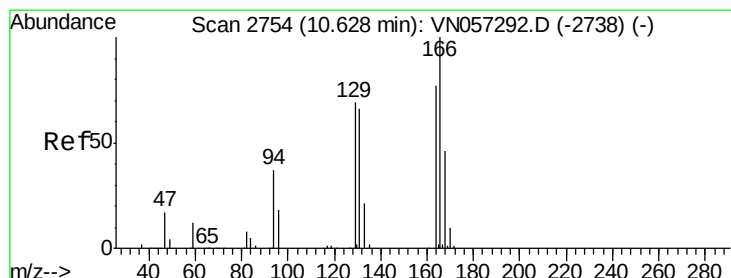
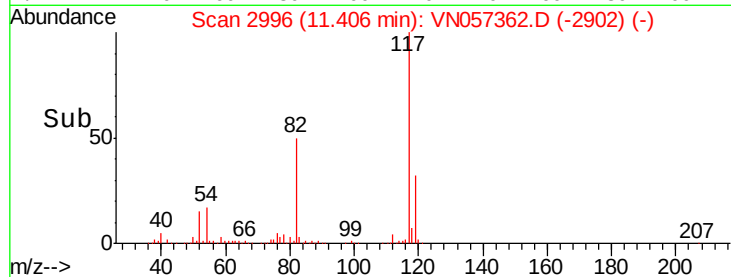
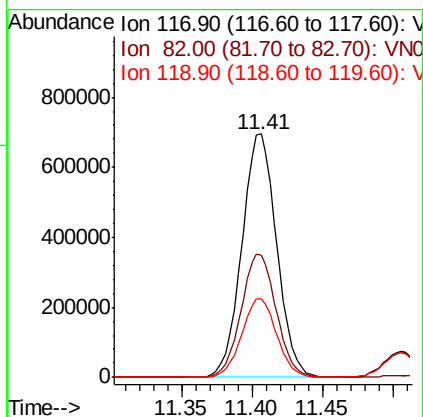
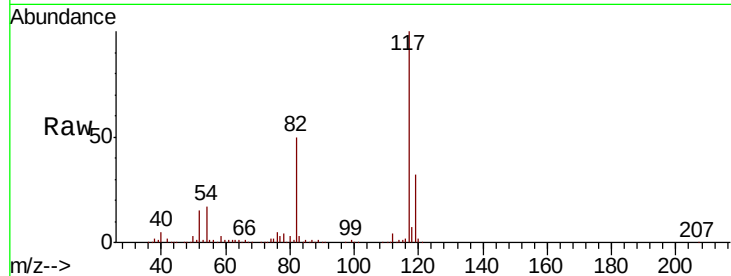




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

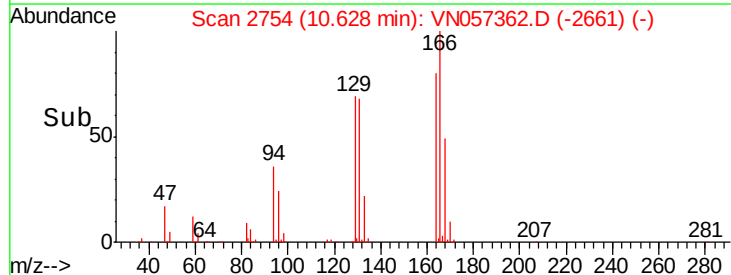
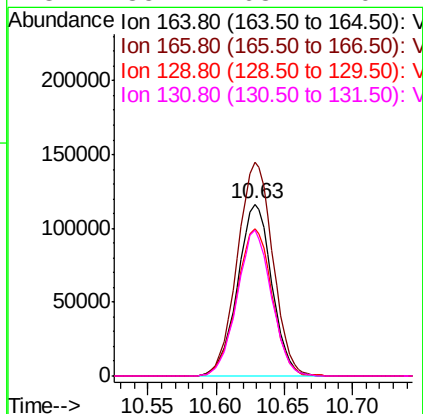
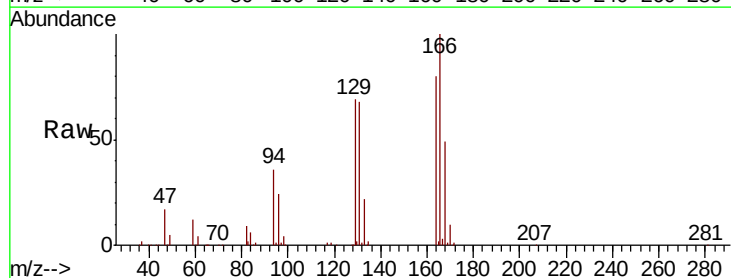
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

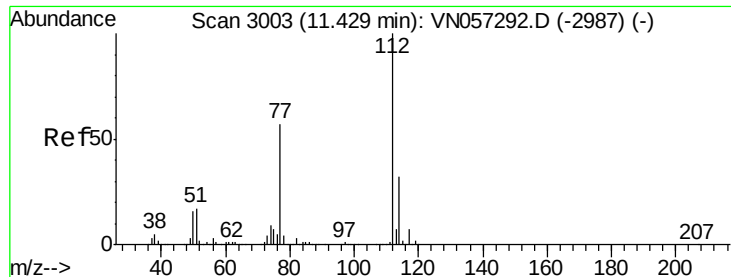
Tgt Ion:117 Resp: 1201112
Ion Ratio Lower Upper
117 100
82 50.4 41.2 61.8
119 32.2 25.8 38.8



#64
Tetrachloroethene
Concen: 19.515 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion:164 Resp: 202630
Ion Ratio Lower Upper
164 100
166 124.5 103.5 155.3
129 85.7 71.2 106.8
131 85.2 68.2 102.4

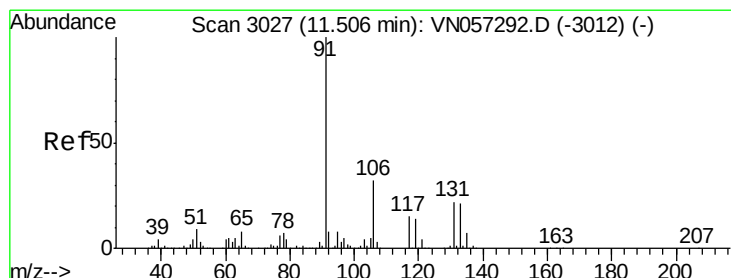
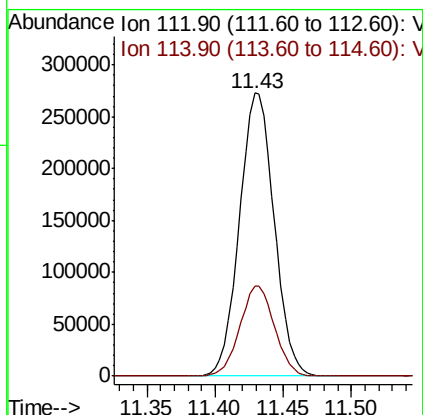
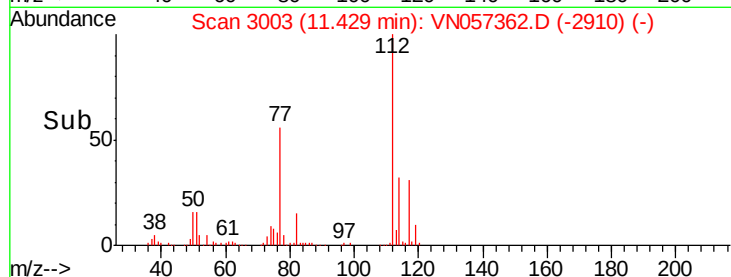
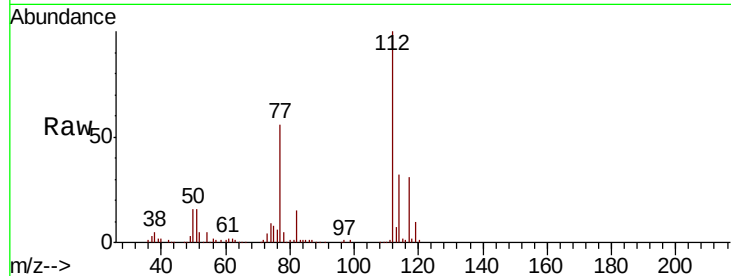




#65
Chlorobenzene
Concen: 19.627 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

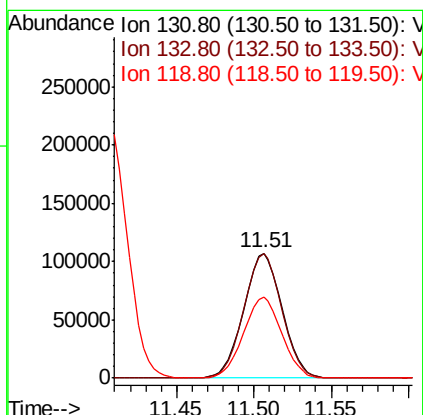
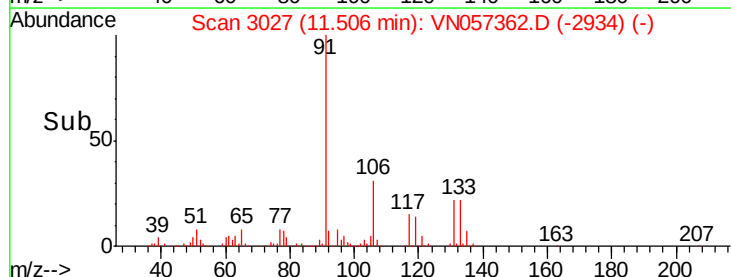
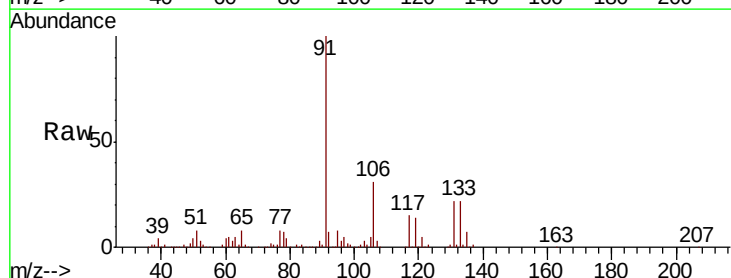
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

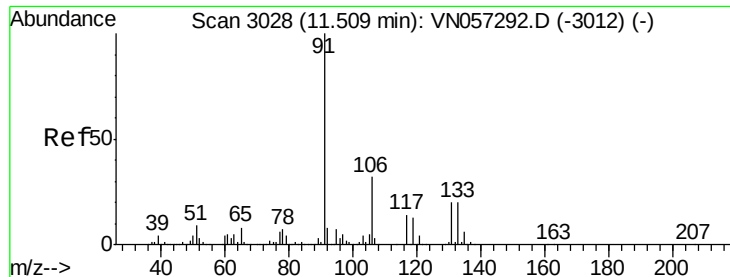
Tgt Ion:112 Resp: 480811
Ion Ratio Lower Upper
112 100
114 32.0 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 19.708 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion:131 Resp: 184892
Ion Ratio Lower Upper
131 100
133 99.1 47.6 142.8
119 64.9 32.0 96.2

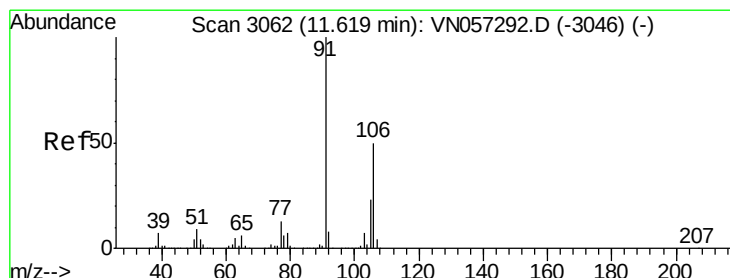
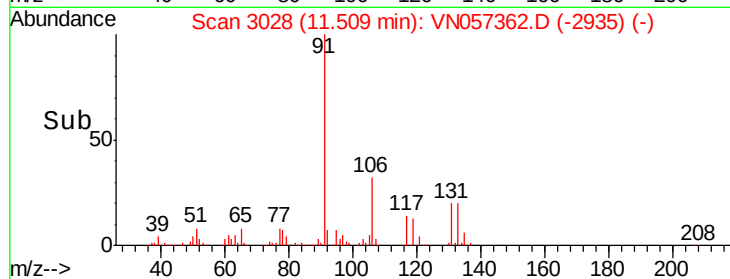
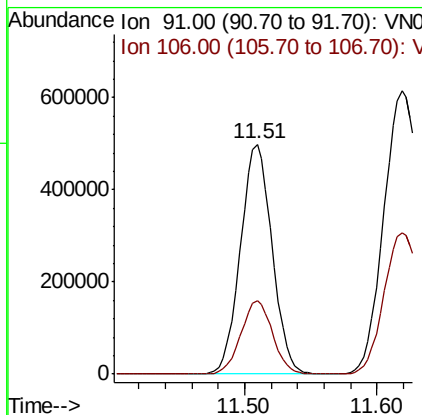
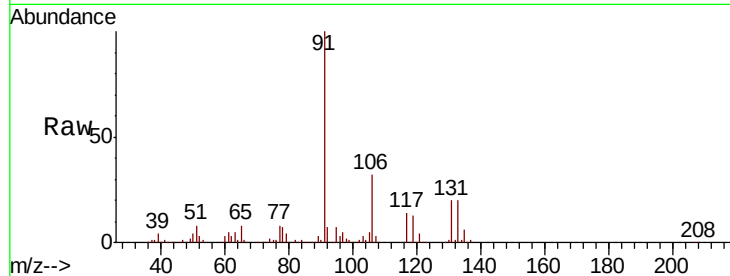




#67
Ethyl Benzene
Concen: 19.288 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

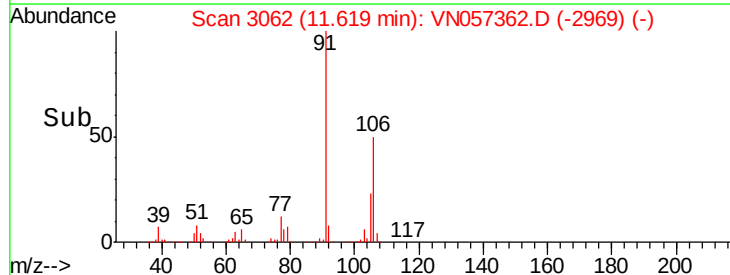
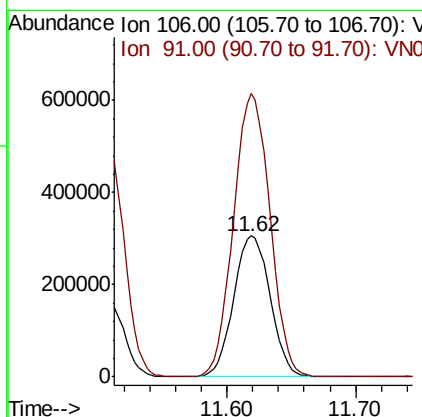
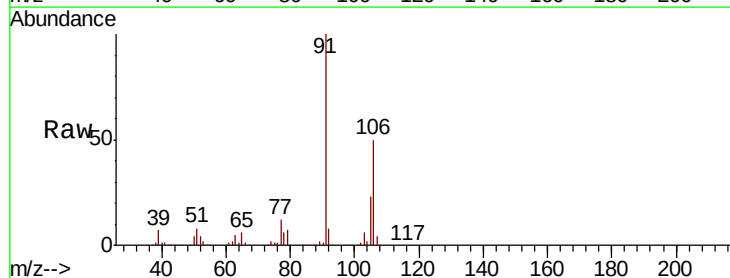
Instrument :
MSVOA_N
ClientSampled :
VN0818WBSD01

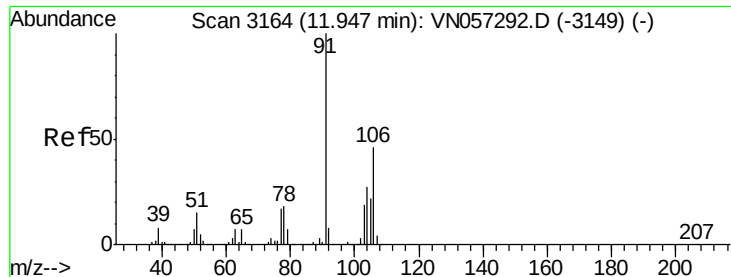
Tgt Ion: 91 Resp: 826650
Ion Ratio Lower Upper
91 100
106 31.9 25.5 38.3



#68
m/p-Xylenes
Concen: 38.135 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion: 106 Resp: 602180
Ion Ratio Lower Upper
106 100
91 200.7 161.5 242.3

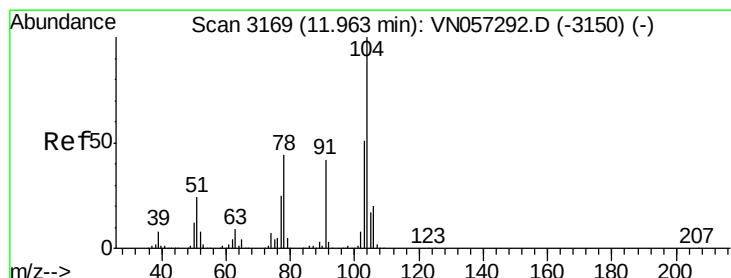
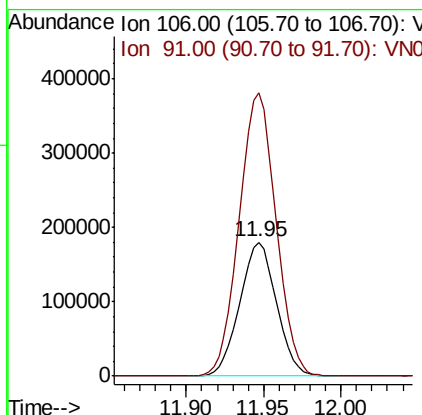
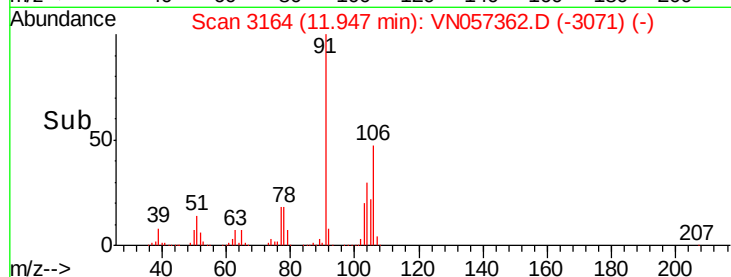
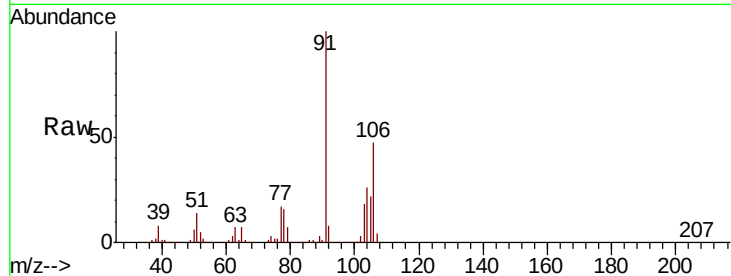




#69
o-Xylene
Concen: 19.107 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

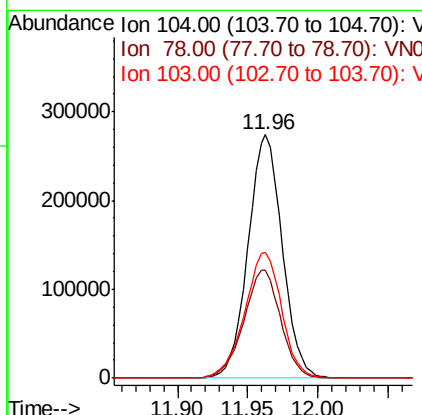
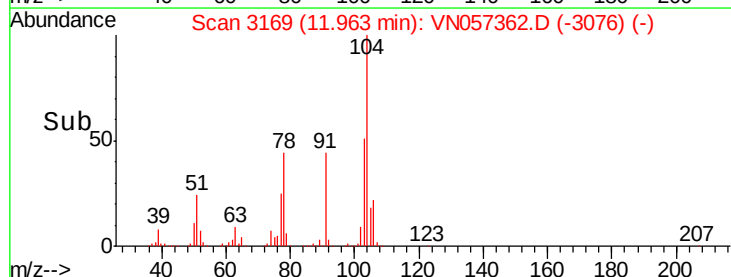
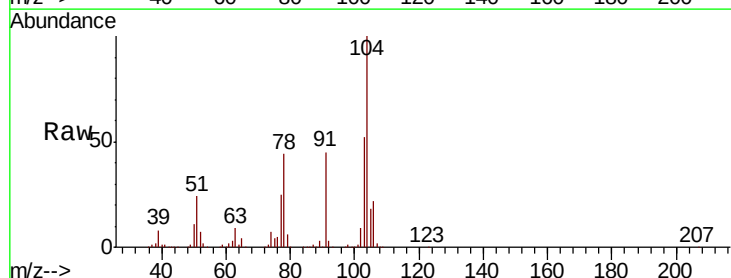
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBSD01

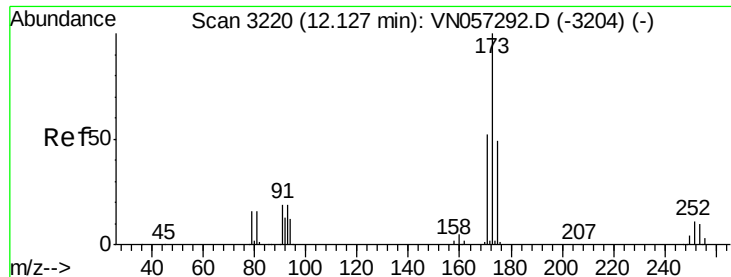
Tgt Ion:106 Resp: 296242
Ion Ratio Lower Upper
106 100
91 213.3 106.3 319.0



#70
Styrene
Concen: 18.815 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN057362.D
Acq: 16 Aug 2019 18:46

Tgt Ion:104 Resp: 465003
Ion Ratio Lower Upper
104 100
78 48.1 39.2 58.8
103 56.0 44.6 66.8





#71

Bromoform

Concen: 19.515 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

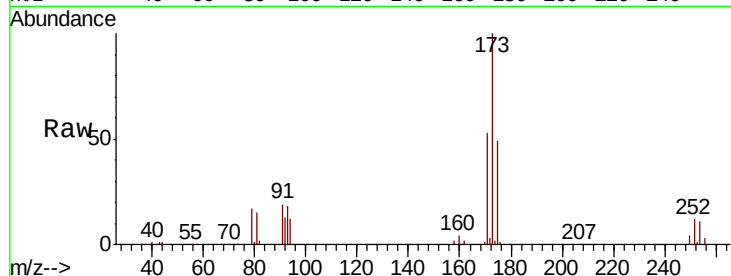
Tgt Ion:173 Resp: 144441

Ion Ratio Lower Upper

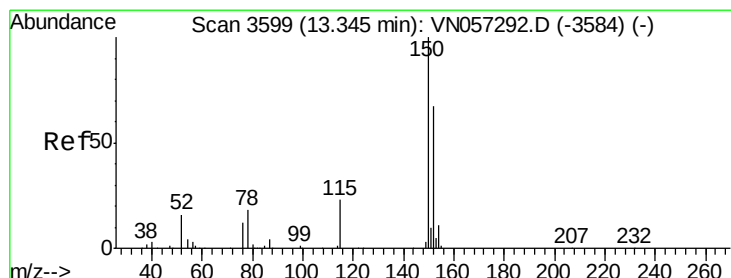
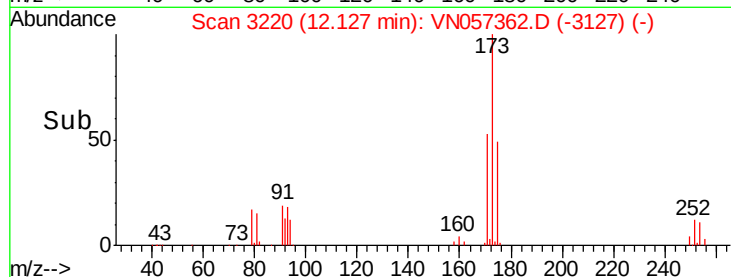
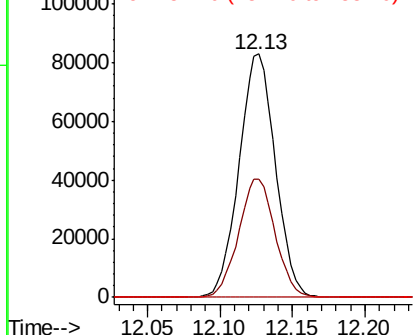
173 100

175 48.7 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: VN057362.D

Acq: 16 Aug 2019 18:46

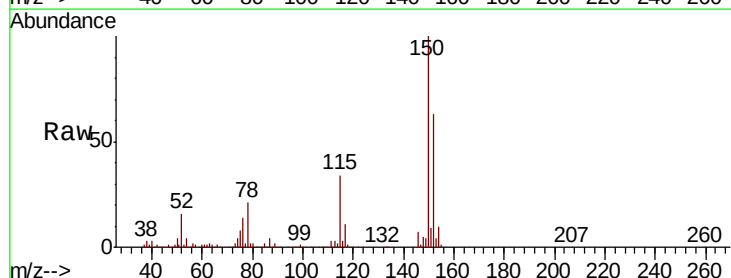
Tgt Ion:152 Resp: 391017

Ion Ratio Lower Upper

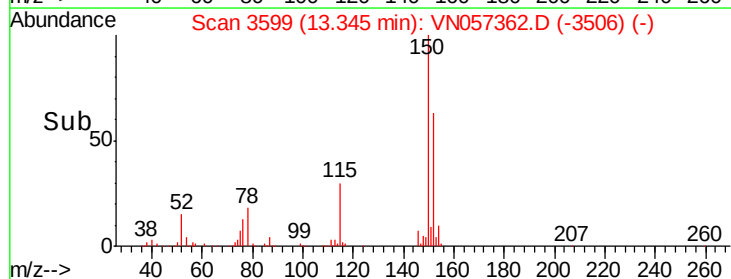
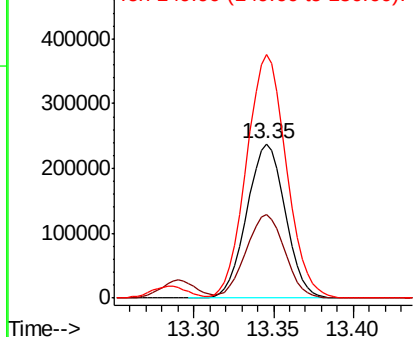
152 100

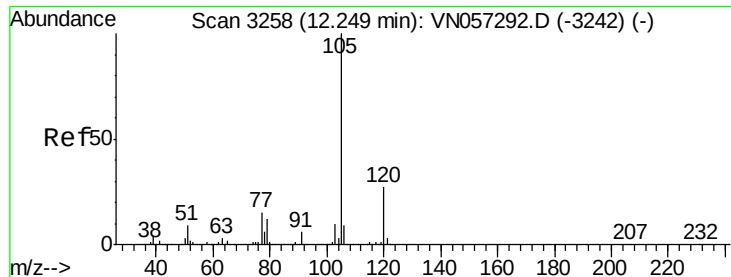
115 54.5 27.3 81.9

150 163.6 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: 23.740 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

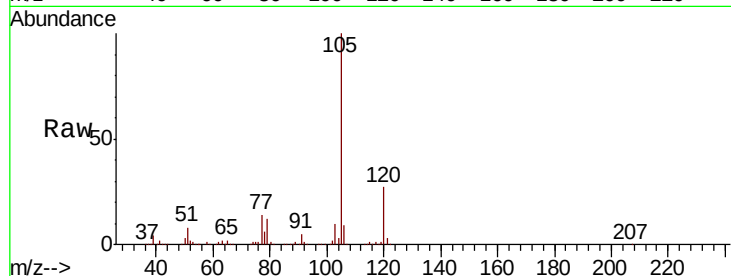
VN0818WBSD01

Tgt Ion: 105 Resp: 793507

Ion Ratio Lower Upper

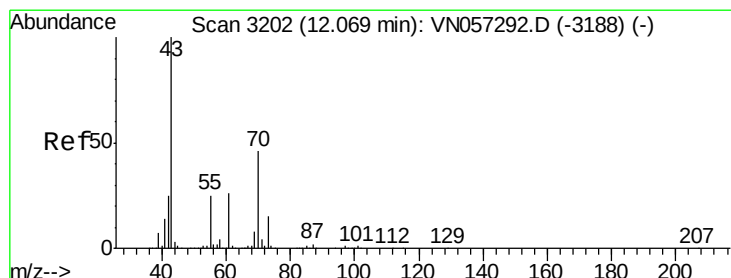
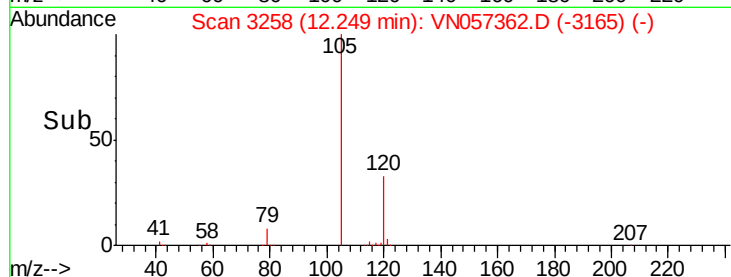
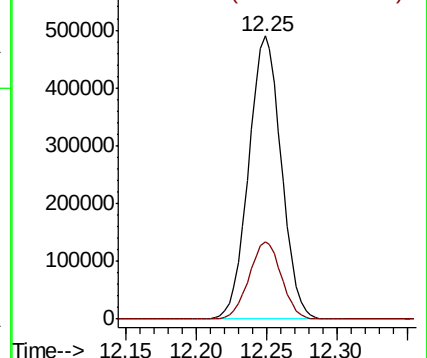
105 100

120 27.2 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 20.396 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Tgt Ion: 43 Resp: 231422

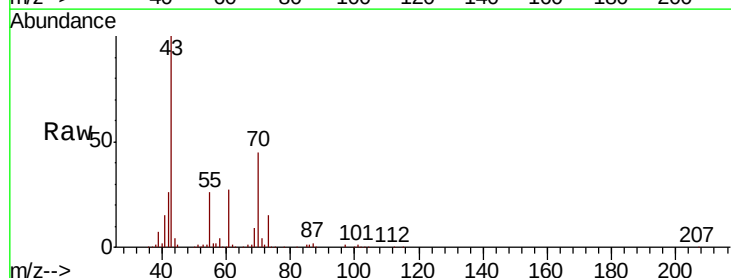
Ion Ratio Lower Upper

43 100

70 45.5 36.2 54.2

55 25.9 20.1 30.1

61 26.4 20.9 31.3

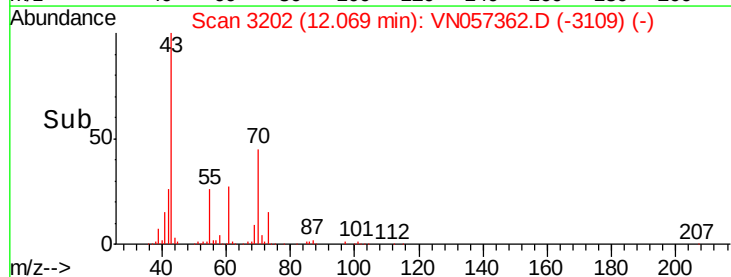
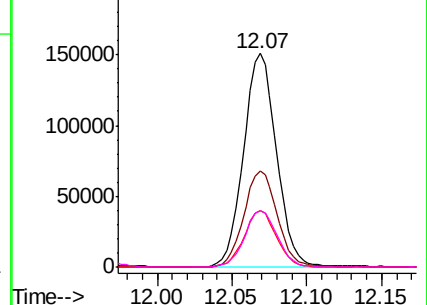


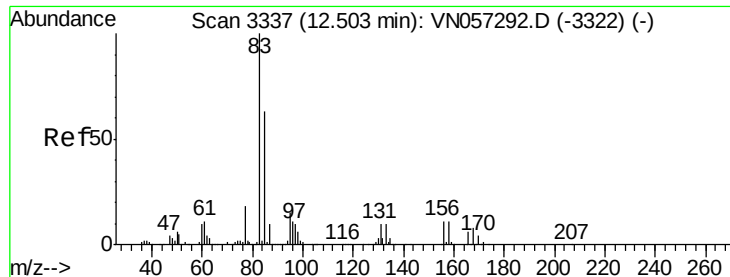
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 23.440 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampled :

VN0818WBSD01

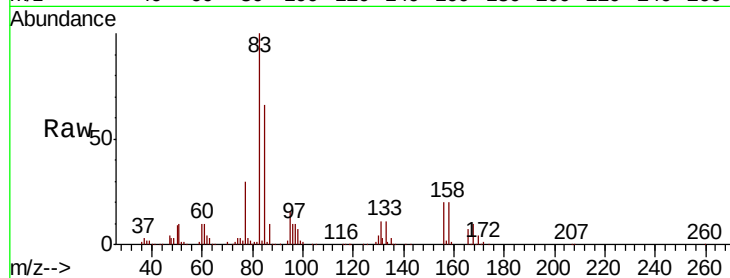
Tgt Ion: 83 Resp: 224384

Ion Ratio Lower Upper

83 100

131 11.0 5.4 16.2

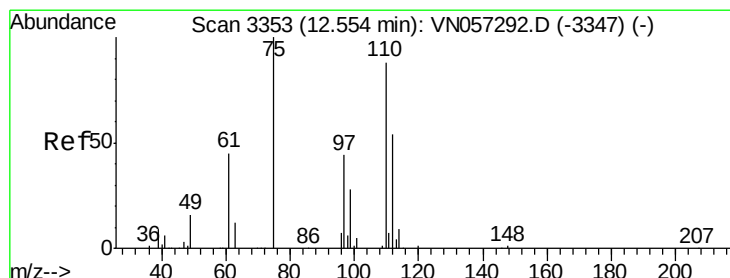
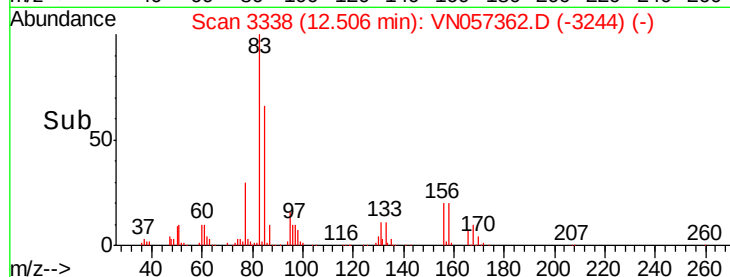
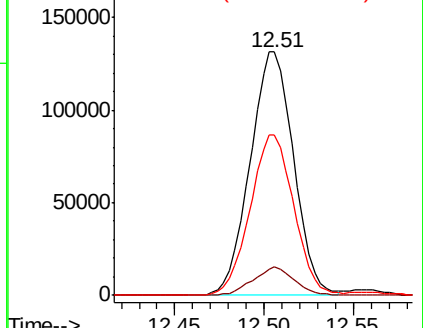
85 66.0 32.3 96.9



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: 34.922 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057362.D

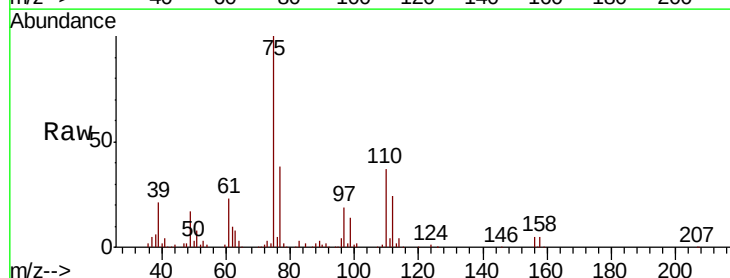
Acq: 16 Aug 2019 18:46

Tgt Ion: 75 Resp: 273208

Ion Ratio Lower Upper

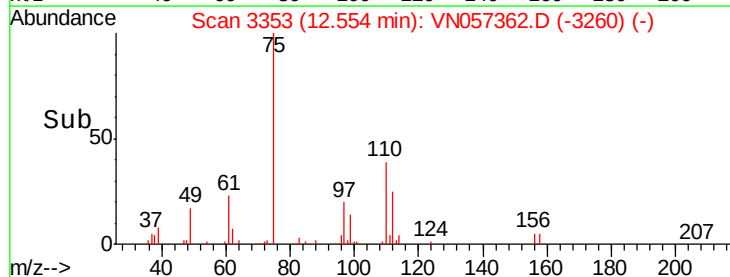
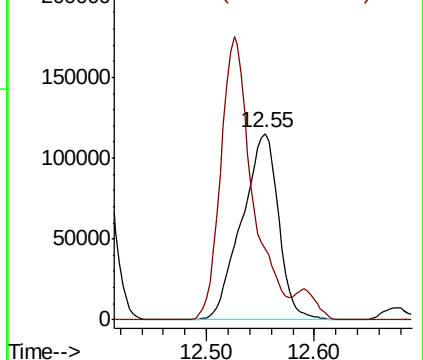
75 100

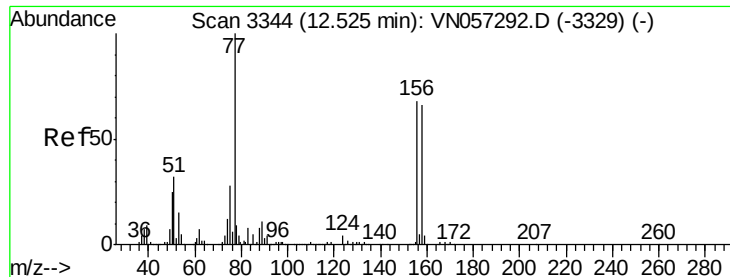
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 23.661 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

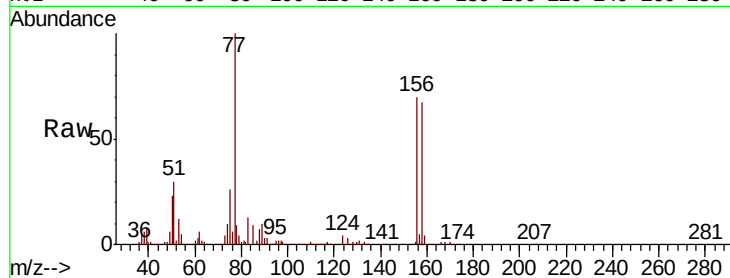
Tgt Ion:156 Resp: 207837

Ion Ratio Lower Upper

156 100

77 173.0 89.8 269.6

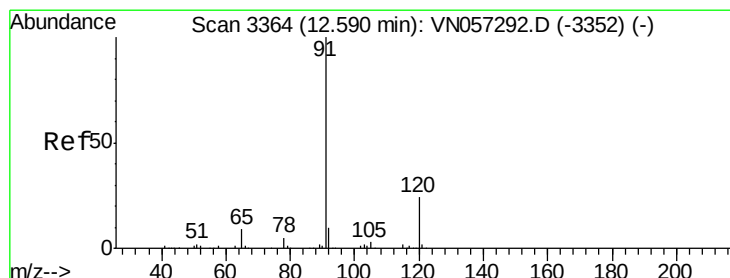
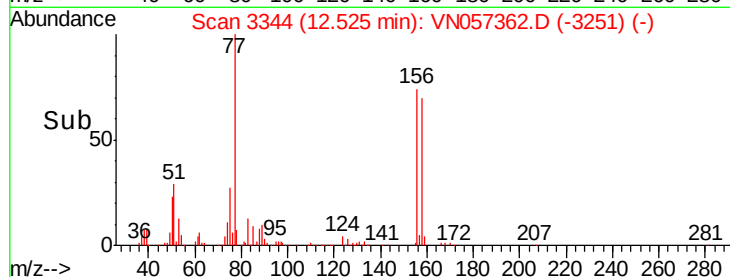
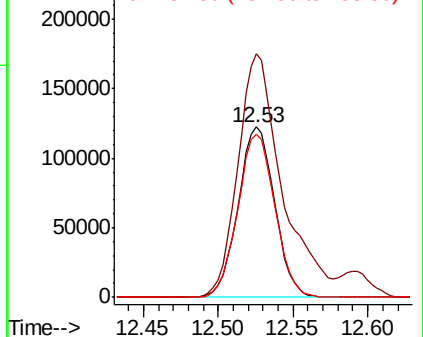
158 97.3 49.3 147.8



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: 20.239 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057362.D

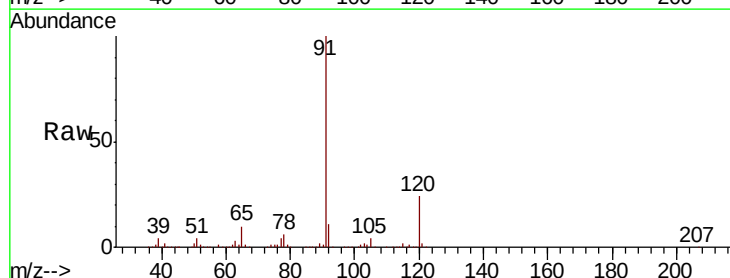
Acq: 16 Aug 2019 18:46

Tgt Ion: 91 Resp: 762086

Ion Ratio Lower Upper

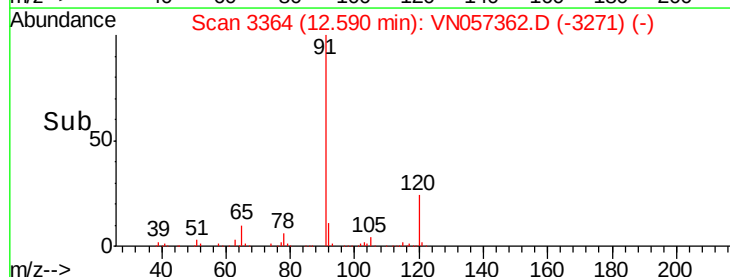
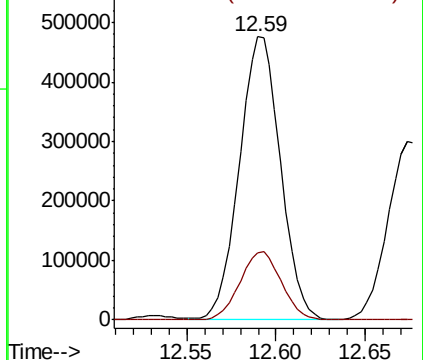
91 100

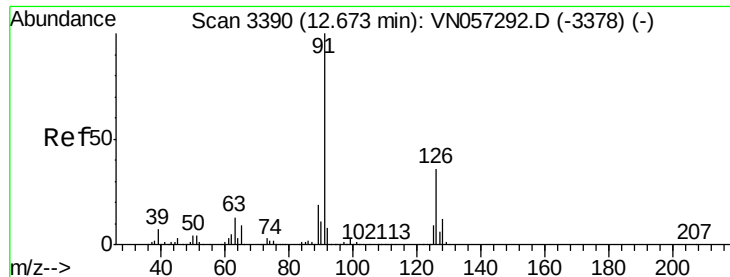
120 24.5 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 23.095 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

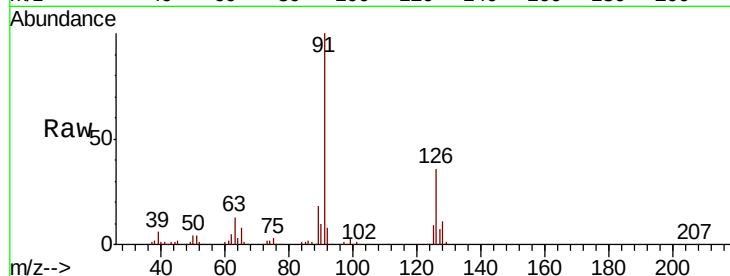
VN0818WBSD01

Tgt Ion: 91 Resp: 501600

Ion Ratio Lower Upper

91 100

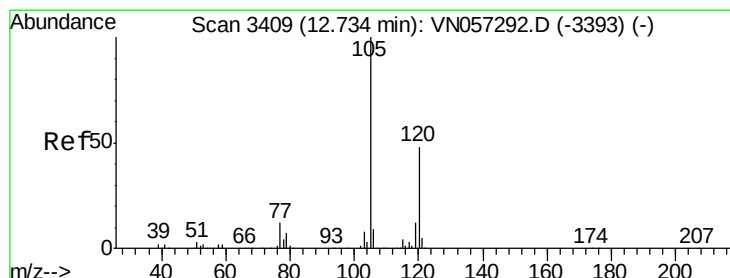
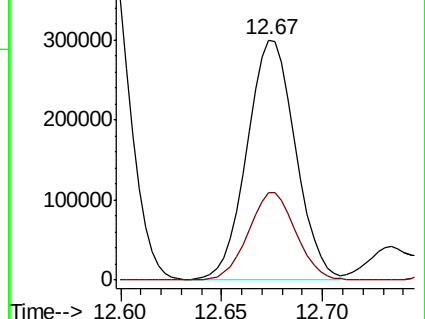
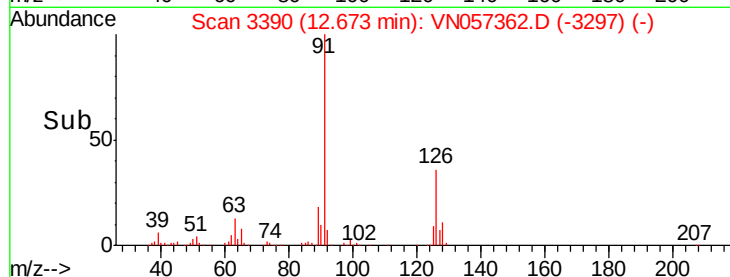
126 36.0 18.1 54.1



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

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

Time--> 12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 23.124 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057362.D

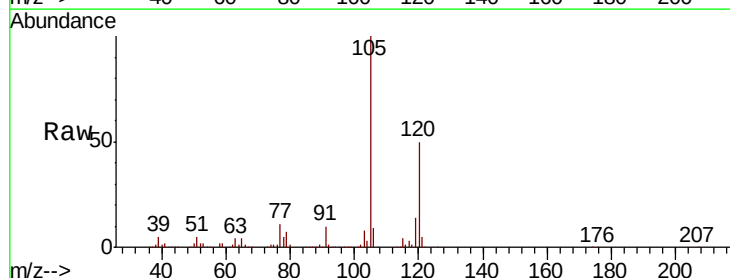
Acq: 16 Aug 2019 18:46

Tgt Ion: 105 Resp: 641178

Ion Ratio Lower Upper

105 100

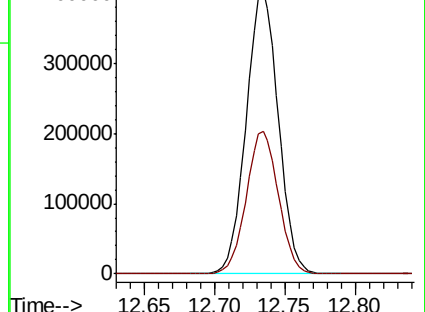
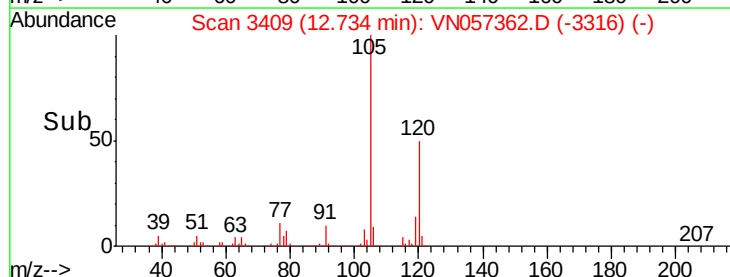
120 50.6 24.3 73.0

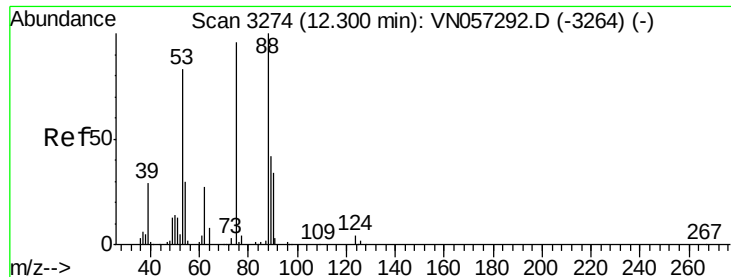


Abundance Ion 105.00 (104.70 to 105.70): VN057292.D (-3393) (-)

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

Time--> 12.65 12.70 12.75 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 21.499 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

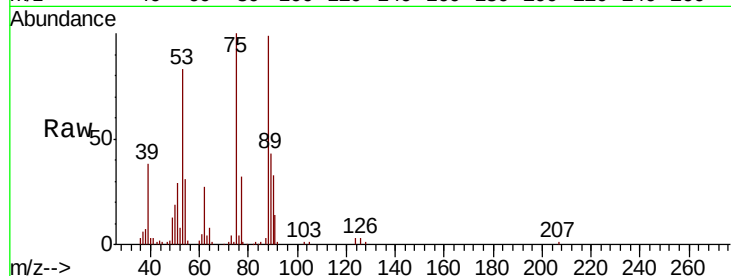
Tgt Ion: 75 Resp: 68941

Ion Ratio Lower Upper

75 100

53 82.6 67.9 101.9

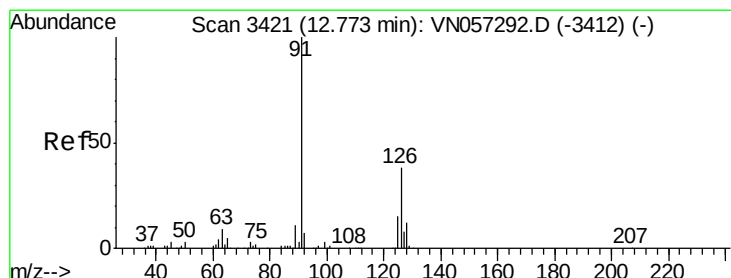
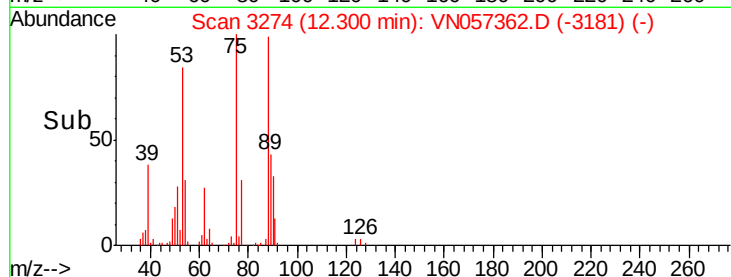
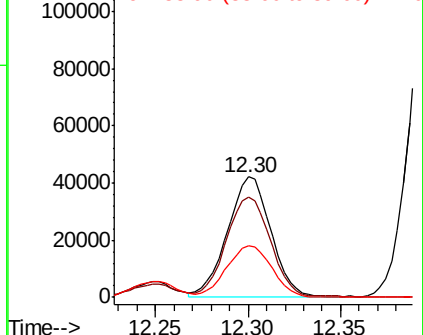
89 44.5 36.2 54.4



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 19.644 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057362.D

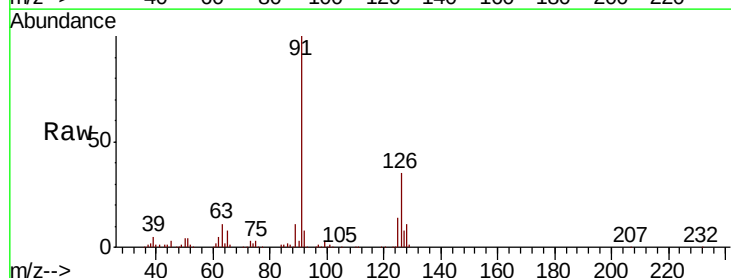
Acq: 16 Aug 2019 18:46

Tgt Ion: 91 Resp: 438314

Ion Ratio Lower Upper

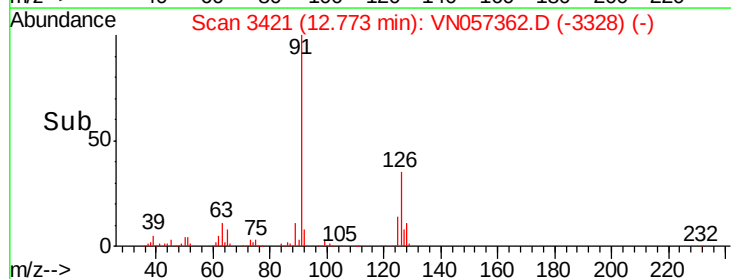
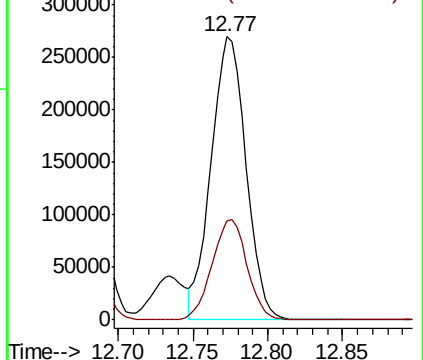
91 100

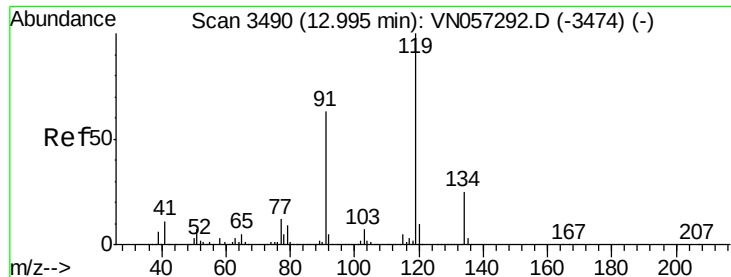
126 35.6 17.3 51.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

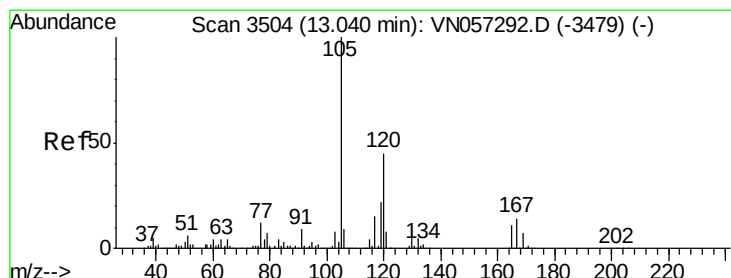
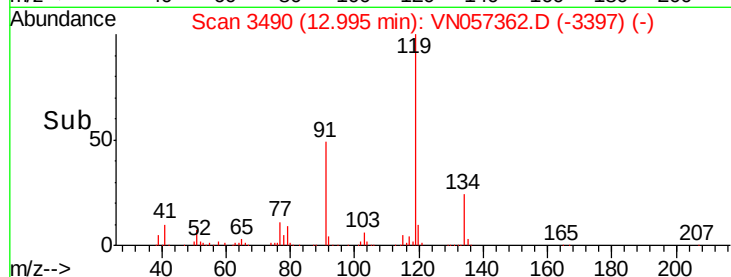
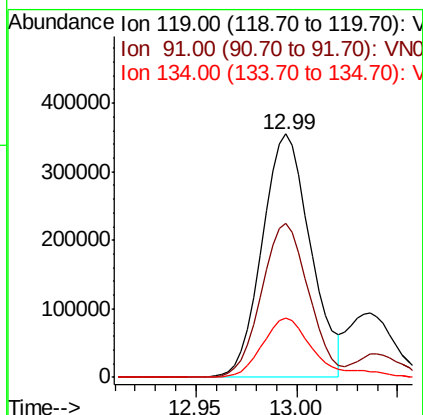
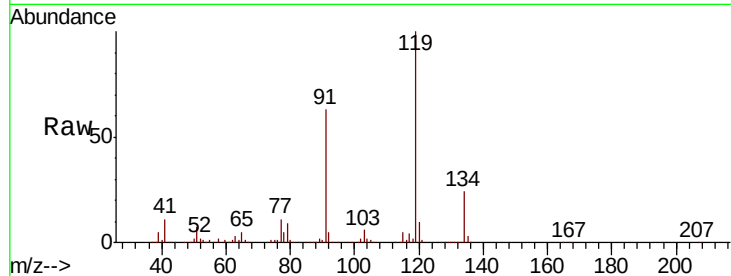




#83
 tert-Butylbenzene
 Concen: 24.005 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

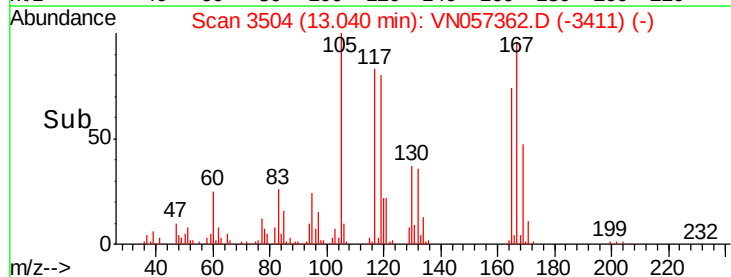
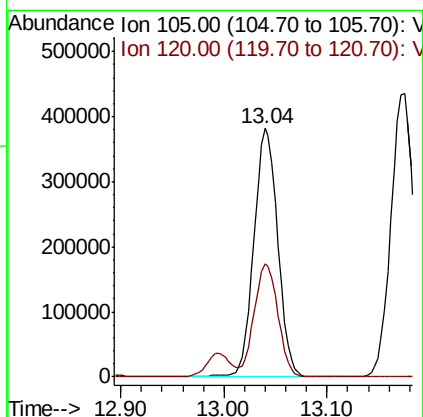
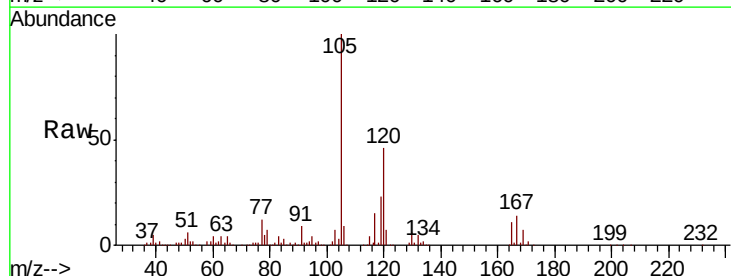
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

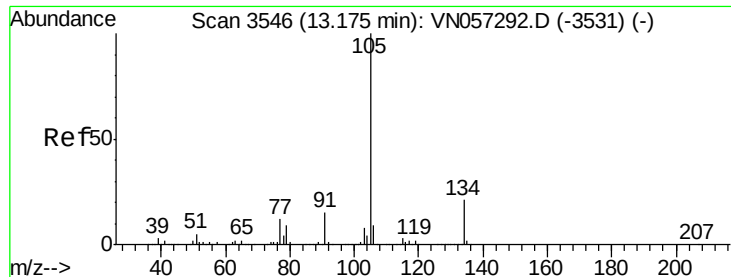
Tgt Ion:119 Resp: 591380
 Ion Ratio Lower Upper
 119 100
 91 62.1 31.3 93.8
 134 26.2 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 21.658 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion:105 Resp: 609963
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 22.295 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

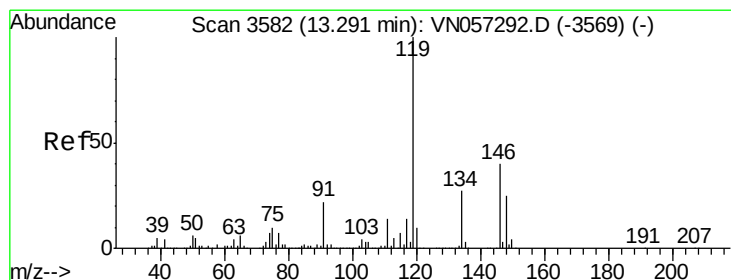
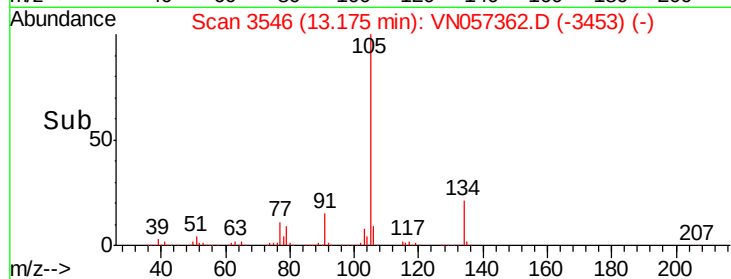
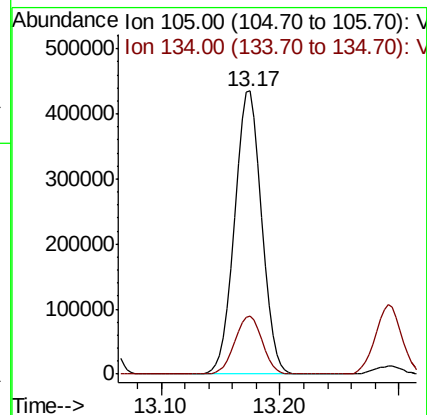
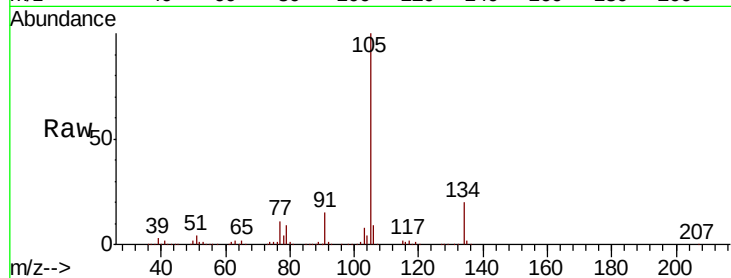
VN0818WBSD01

Tgt Ion:105 Resp: 684305

Ion Ratio Lower Upper

105 100

134 20.9 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.597 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

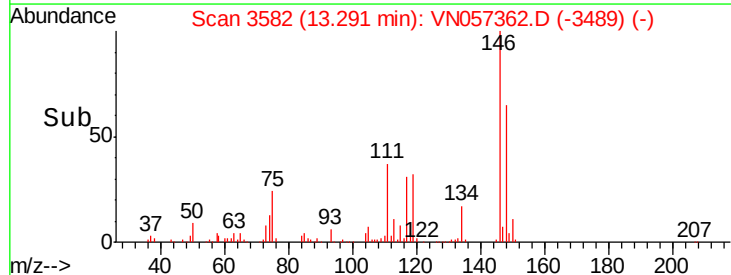
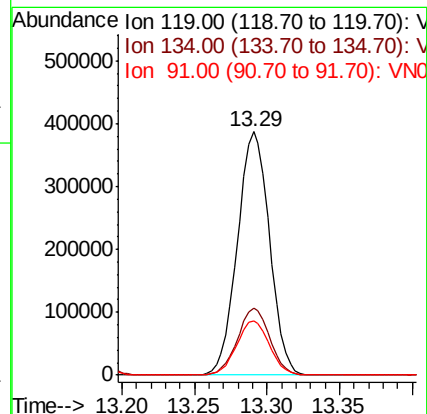
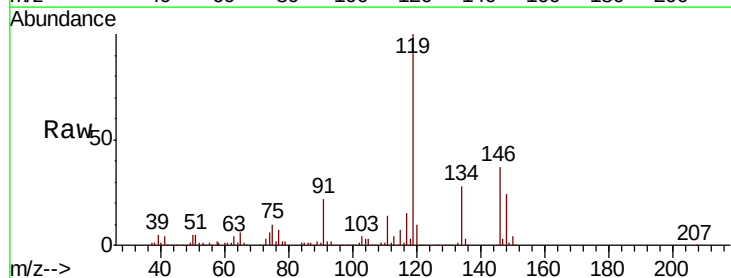
Tgt Ion:119 Resp: 593898

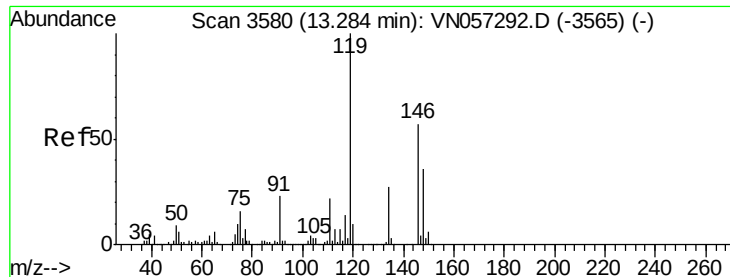
Ion Ratio Lower Upper

119 100

134 27.5 13.4 40.2

91 22.7 11.2 33.5

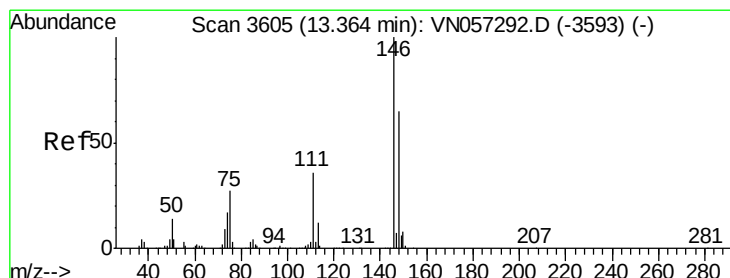
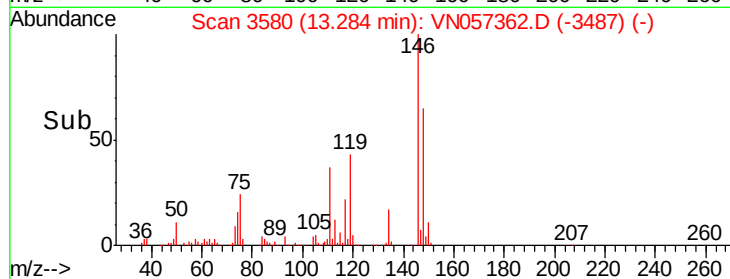
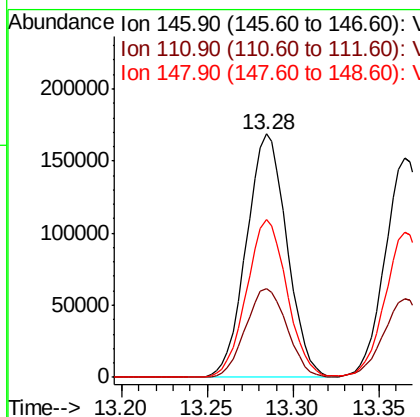
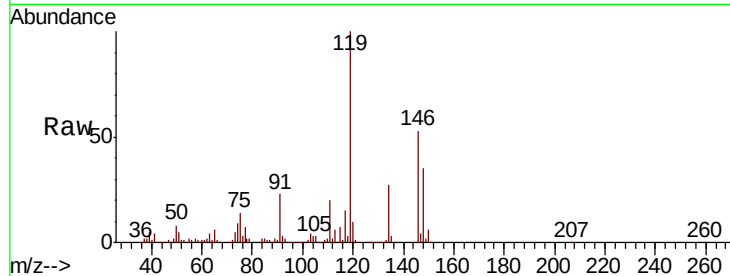




#87
 1,3-Dichlorobenzene
 Concen: 20.092 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

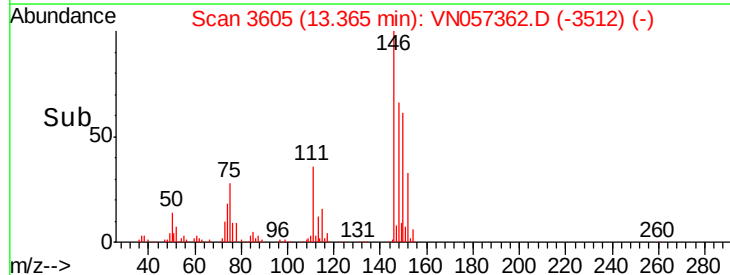
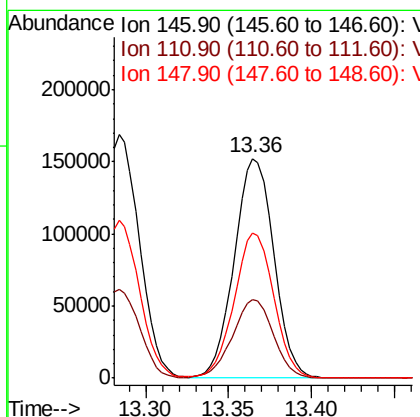
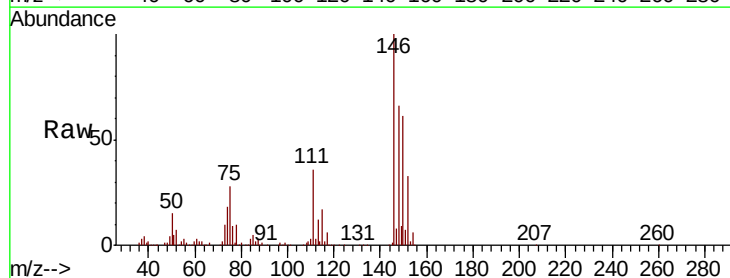
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

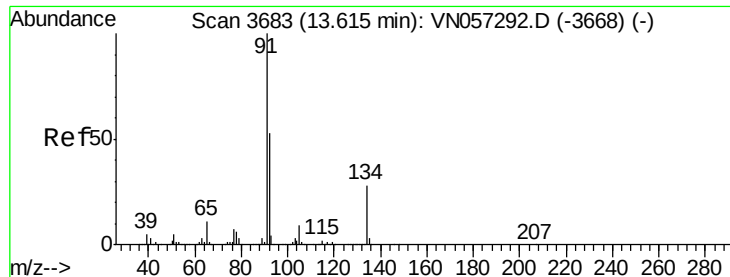
Tgt Ion:146 Resp: 275262
 Ion Ratio Lower Upper
 146 100
 111 37.4 18.7 56.1
 148 64.8 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.406 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion:146 Resp: 252375
 Ion Ratio Lower Upper
 146 100
 111 37.0 18.4 55.4
 148 66.2 32.5 97.4





#89

n-Butylbenzene

Concen: 22.737 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

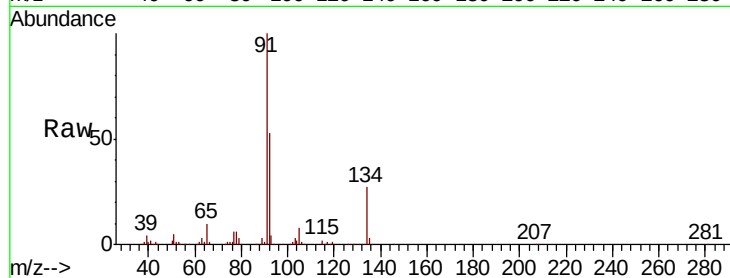
Tgt Ion: 91 Resp: 467393

Ion Ratio Lower Upper

91 100

92 52.2 26.2 78.6

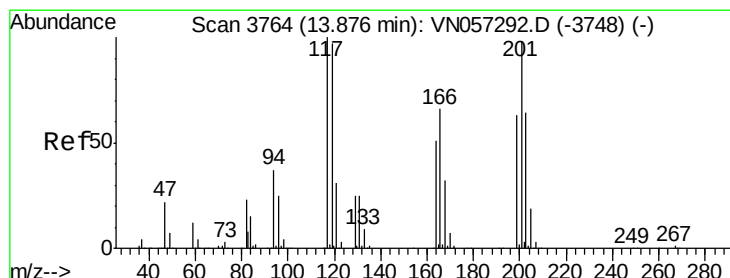
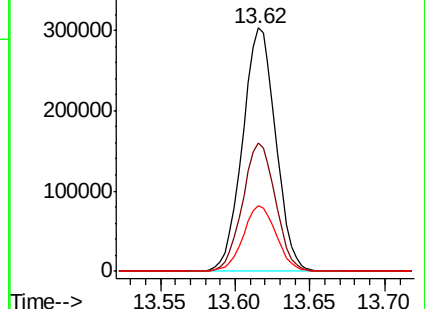
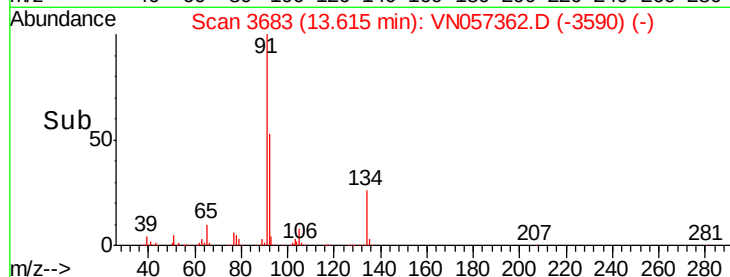
134 27.1 13.9 41.7



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: 23.751 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057362.D

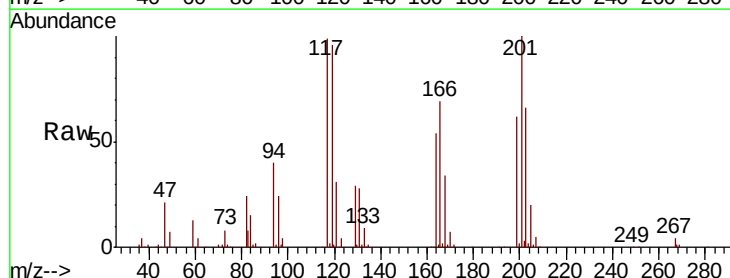
Acq: 16 Aug 2019 18:46

Tgt Ion: 117 Resp: 122473

Ion Ratio Lower Upper

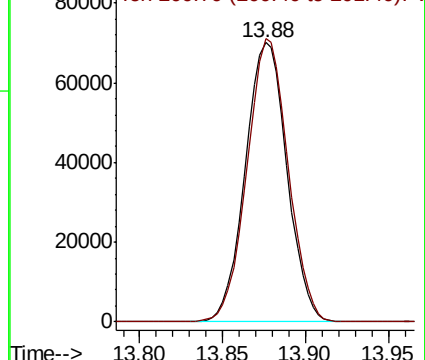
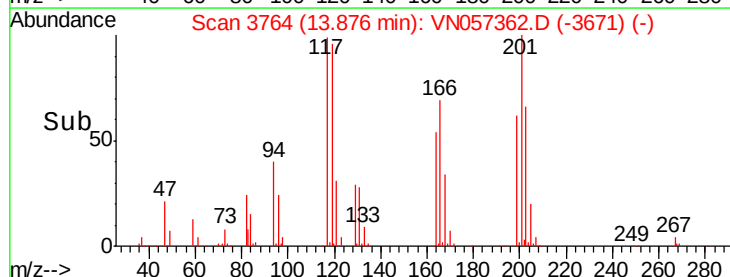
117 100

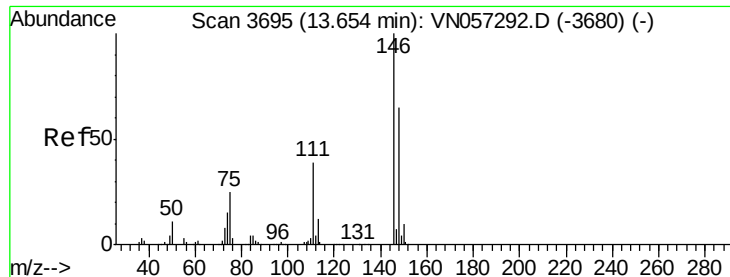
201 99.9 48.4 145.0



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

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

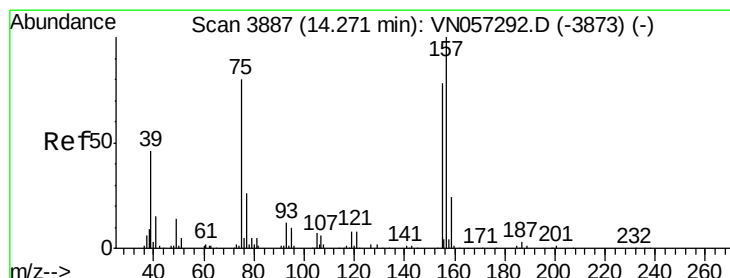
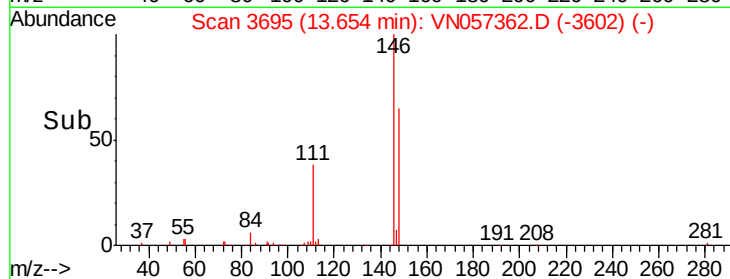
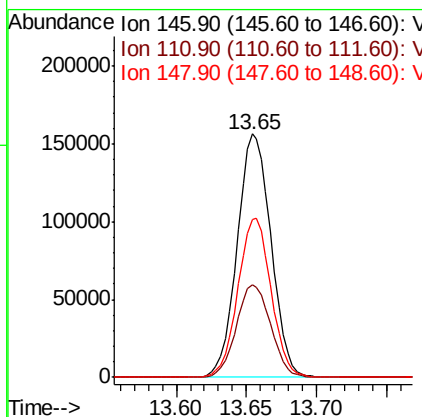
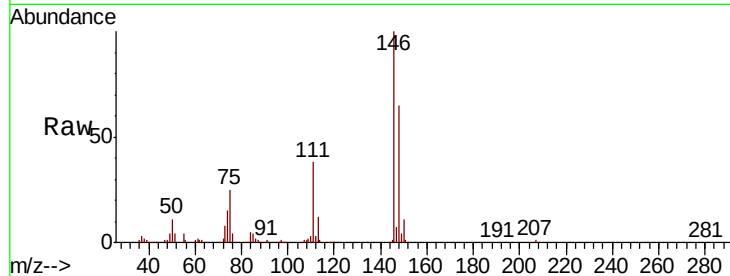




#91
 1,2-Dichlorobenzene
 Concen: 20.599 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

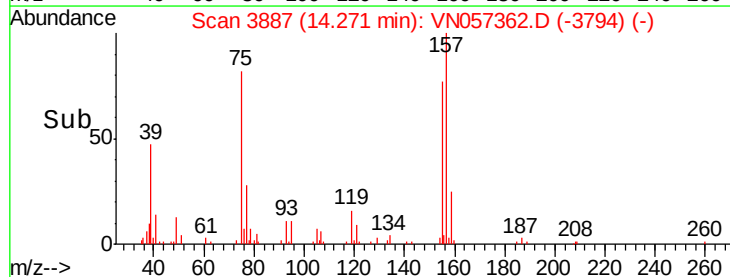
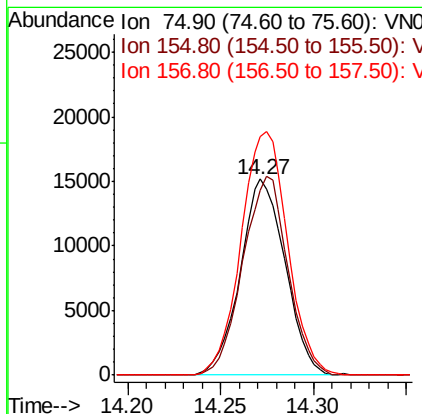
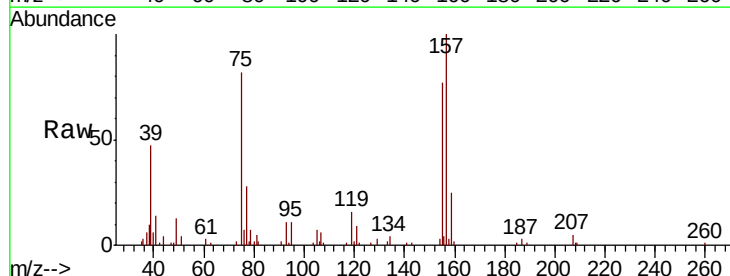
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

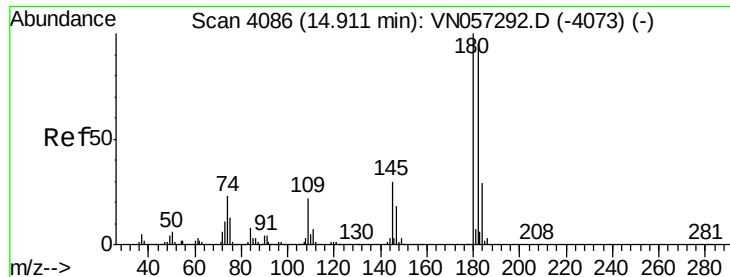
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.6	19.7	59.1
148	64.0	32.0	96.0



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 18.287 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion	Ratio	Lower	Upper
75	100		
155	101.3	49.6	148.8
157	128.6	63.7	191.1

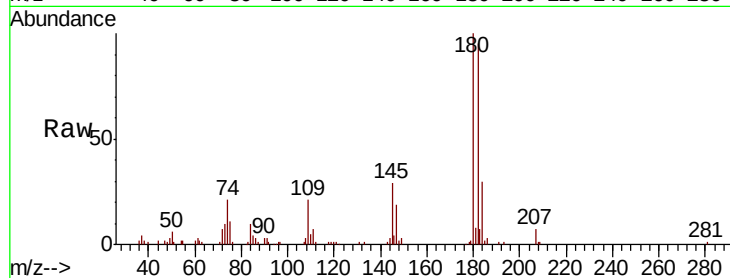




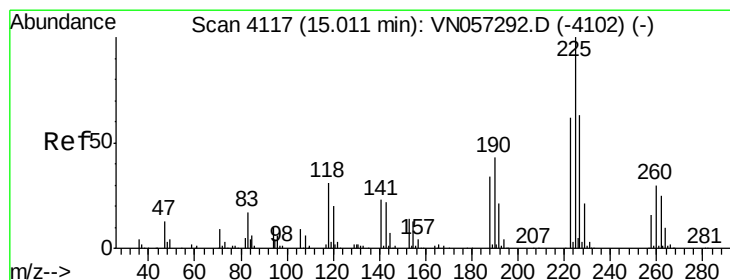
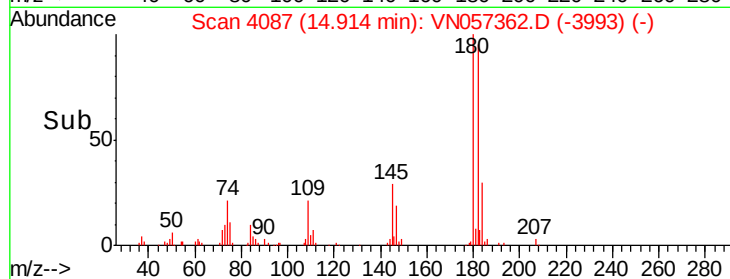
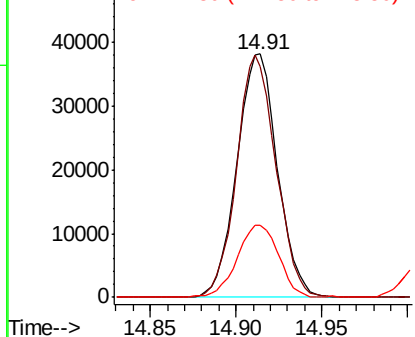
#93
 1,2,4-Trichlorobenzene
 Concen: 16.273 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBSD01

Tgt Ion:180 Resp: 62447
 Ion Ratio Lower Upper
 180 100
 182 96.7 48.0 144.2
 145 30.3 14.5 43.6

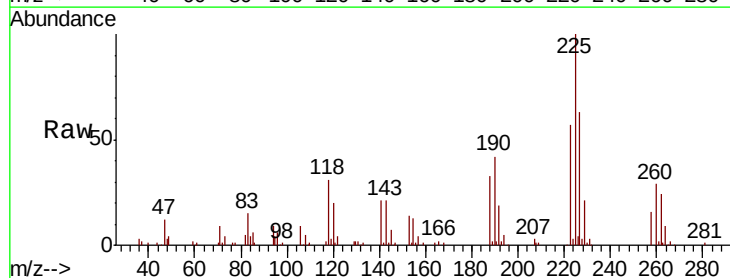


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

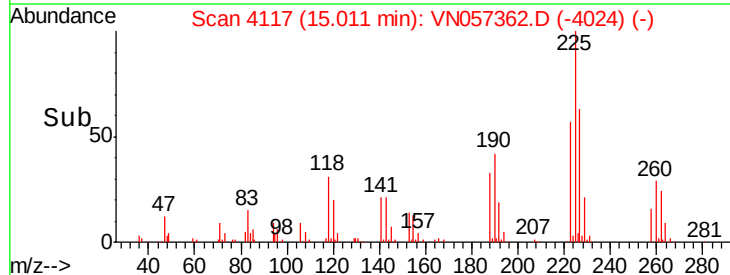
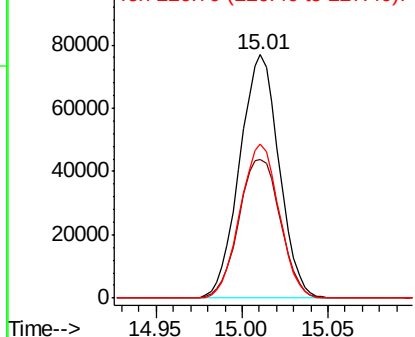


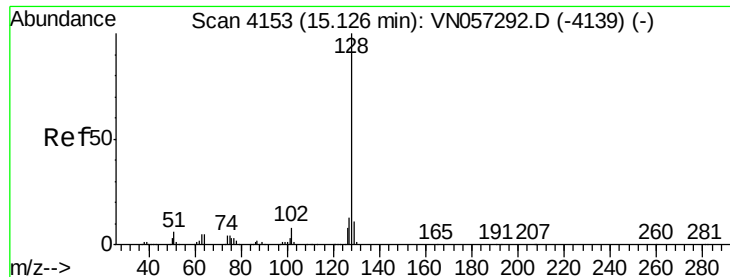
#94
 Hexachlorobutadiene
 Concen: 22.435 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057362.D
 Acq: 16 Aug 2019 18:46

Tgt Ion:225 Resp: 122054
 Ion Ratio Lower Upper
 225 100
 223 60.3 30.7 92.1
 227 62.6 30.9 92.7



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





#95

Naphthalene

Concen: 21.388 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBSD01

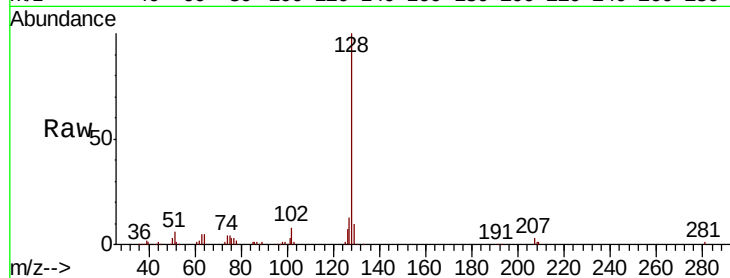
Tgt Ion:128 Resp: 136050

Ion Ratio Lower Upper

128 100

127 12.5 10.5 15.7

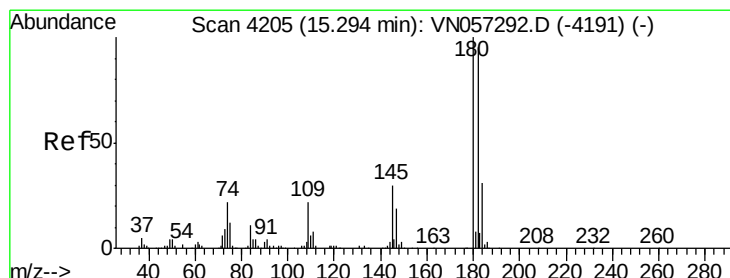
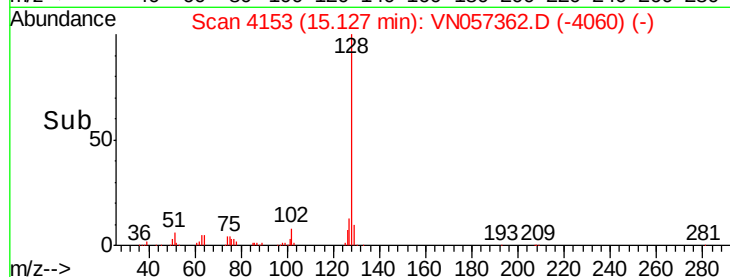
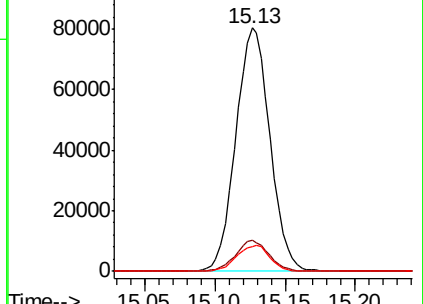
129 10.3 8.8 13.2



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: 21.144 ug/l

RT: 15.29 min Scan# 4205

Delta R.T. 0.00 min

Lab File: VN057362.D

Acq: 16 Aug 2019 18:46

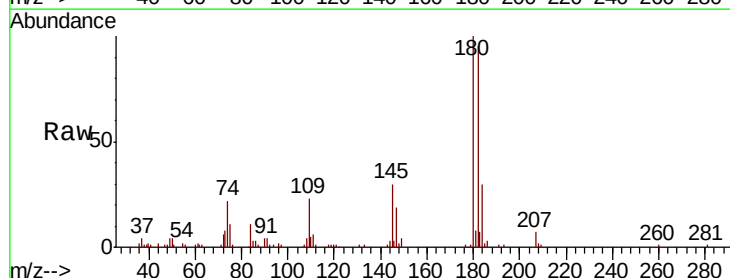
Tgt Ion:180 Resp: 66055

Ion Ratio Lower Upper

180 100

182 96.6 47.9 143.6

145 29.6 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

