

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
 Data File : VN057361.D
 Acq On : 16 Aug 2019 18:22
 Operator : JC/SP
 Sample : VN0818WBS01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

Quant Time: Aug 17 03:43:35 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	865491	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1283113	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1130108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	393958	50.00	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.02	65	484257	51.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	102.94%	
35) Dibromofluoromethane	7.58	113	439595	52.26	ug/l	0.00
Spiked Amount	50.000		Recovery	=	104.52%	
50) Toluene-d8	10.08	98	1632758	53.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	106.14%	
62) 4-Bromofluorobenzene	12.40	95	511041	47.01	ug/l	0.00
Spiked Amount	50.000		Recovery	=	94.02%	

Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.85	85	136244	18.294	ug/l	98
3) Chloromethane	2.05	50	156754	17.832	ug/l	99
4) Vinyl Chloride	2.18	62	153402	18.549	ug/l	98
5) Bromomethane	2.54	94	117632	19.954	ug/l	99
6) Chloroethane	2.69	64	104185	18.314	ug/l	98
7) Trichlorofluoromethane	3.02	101	248014	19.119	ug/l	97
8) Diethyl Ether	3.40	74	94578	19.371	ug/l	96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	148144	19.438	ug/l	98
10) Methyl Iodide	3.95	142	233190	19.141	ug/l	99
11) Tert butyl alcohol	4.76	59	120837	90.339	ug/l	98
12) 1,1-Dichloroethene	3.73	96	148473	19.552	ug/l	95
13) Acrolein	3.60	56	55176	67.950	ug/l	100
14) Allyl chloride	4.32	41	222989	18.319	ug/l	98
15) Acrylonitrile	4.97	53	347687	95.743	ug/l	99
16) Acetone	3.81	43	267383	81.921	ug/l	99
17) Carbon Disulfide	4.05	76	375281	18.344	ug/l	99
18) Methyl Acetate	4.31	43	170673	18.022	ug/l	95
19) Methyl tert-butyl Ether	5.03	73	463049	19.433	ug/l	97
20) Methylene Chloride	4.54	84	173180	18.964	ug/l	97
21) trans-1,2-Dichloroethene	5.03	96	155716	19.068	ug/l	98
22) Diisopropyl ether	5.93	45	460411	19.147	ug/l	96
23) Vinyl Acetate	5.88	43	1828050	94.461	ug/l	98
24) 1,1-Dichloroethane	5.84	63	283750	19.180	ug/l	99
25) 2-Butanone	6.82	43	425647	90.056	ug/l	95
26) 2,2-Dichloropropane	6.81	77	223870	18.725	ug/l	98
27) cis-1,2-Dichloroethene	6.82	96	184195	19.052	ug/l	99
28) Bromochloromethane	7.18	49	108104	16.446	ug/l #	96
29) Tetrahydrofuran	7.20	42	278473	93.099	ug/l	98
30) Chloroform	7.36	83	297617	19.197	ug/l	99
31) Cyclohexane	7.65	56	237612	18.534	ug/l	93
32) 1,1,1-Trichloroethane	7.56	97	258535	19.827	ug/l	98
36) 1,1-Dichloropropene	7.78	75	212765	18.780	ug/l	100
37) Ethyl Acetate	6.91	43	179840	19.381	ug/l	99
38) Carbon Tetrachloride	7.77	117	228843	19.441	ug/l	98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	250826	18.961	ug/l	99
40) Benzene	8.03	78	663371	19.144	ug/l	98
41) Methacrylonitrile	7.16	41	83259	19.925	ug/l #	100
42) 1,2-Dichloroethane	8.12	62	216395	18.869	ug/l	99
43) Isopropyl Acetate	8.16	43	306983	17.354	ug/l	97
44) Trichloroethene	8.83	130	192108	19.720	ug/l	98
45) 1,2-Dichloropropane	9.11	63	169443	18.971	ug/l	97
46) Dibromomethane	9.20	93	117800	19.770	ug/l	99
47) Bromodichloromethane	9.40	83	225030	19.061	ug/l	99
48) Methyl methacrylate	9.19	41	144308	18.886	ug/l	99
49) 1,4-Dioxane	9.19	88	59661	371.286	ug/l	98
51) 4-Methyl-2-Pentanone	9.98	43	896045	93.605	ug/l	100
52) Toluene	10.15	92	425390	19.723	ug/l	98
53) t-1,3-Dichloropropene	10.38	75	245107	19.194	ug/l	100
54) cis-1,3-Dichloropropene	9.83	75	271249	19.262	ug/l	99
55) 1,1,2-Trichloroethane	10.56	97	168254	19.839	ug/l	99
56) Ethyl methacrylate	10.43	69	236698	19.125	ug/l	98
57) 1,3-Dichloropropane	10.71	76	271860	19.188	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	248941	79.934	ug/l	100
59) 2-Hexanone	10.75	43	618706	89.902	ug/l	98
60) Dibromochloromethane	10.90	129	191453	20.144	ug/l	99
61) 1,2-Dibromoethane	11.00	107	176483	19.535	ug/l	98
64) Tetrachloroethene	10.63	164	200738	20.547	ug/l	99
65) Chlorobenzene	11.43	112	457092	19.831	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	180021	20.394	ug/l	99
67) Ethyl Benzene	11.51	91	788033	19.542	ug/l	99
68) m/p-Xylenes	11.62	106	583508	39.274	ug/l	98
69) o-Xylene	11.95	106	288807	19.798	ug/l	100
70) Styrene	11.96	104	452515	19.460	ug/l	99
71) Bromoform	12.13	173	140172	20.128	ug/l #	99
73) Isopropylbenzene	12.25	105	772158	22.805	ug/l	99
74) N-amyl acetate	12.07	43	222612	19.473	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.51	83	216841	22.282	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	260122	32.895	ug/l #	100
77) Bromobenzene	12.53	156	200818	22.599	ug/l	97
78) n-propylbenzene	12.59	91	756141	19.931	ug/l	100
79) 2-Chlorotoluene	12.67	91	486330	22.132	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	624642	22.282	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	64134	19.851	ug/l	98
82) 4-Chlorotoluene	12.77	91	434975	19.349	ug/l	98
83) tert-Butylbenzene	12.99	119	565563	22.623	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	584423	20.596	ug/l	100
85) sec-Butylbenzene	13.17	105	666100	21.487	ug/l	100
86) p-Isopropyltoluene	13.29	119	588150	20.245	ug/l	100
87) 1,3-Dichlorobenzene	13.28	146	279999	20.285	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	259147	19.778	ug/l	99
89) n-Butylbenzene	13.62	91	445010	21.487	ug/l	99
90) Hexachloroethane	13.88	117	115596	22.095	ug/l	95
91) 1,2-Dichlorobenzene	13.66	146	262991	20.439	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	24004	17.087	ug/l	95

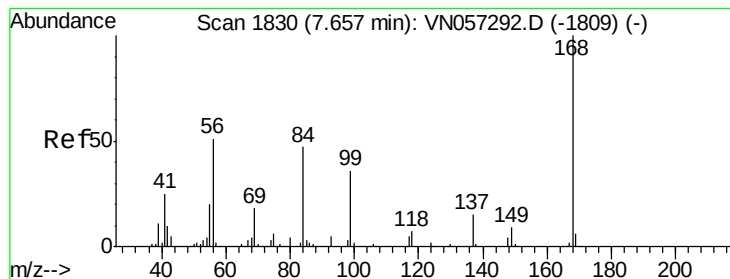
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN081819\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	62903	16.271	ug/l	97
94) Hexachlorobutadiene	15.01	225	121729	22.158	ug/l	96
95) Naphthalene	15.13	128	124512	19.565	ug/l	99
96) 1,2,3-Trichlorobenzene	15.30	180	61015	19.401	ug/l	98

(#) = 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: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

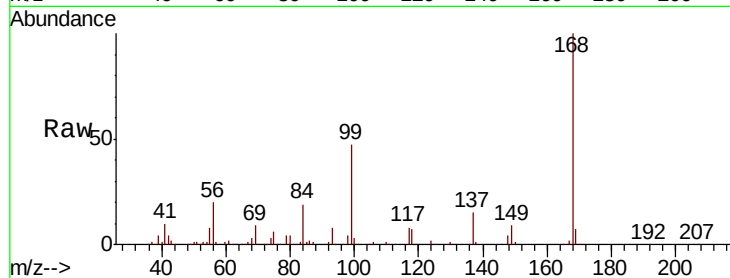
VN0818WBS01

Tgt Ion:168 Resp: 865491

Ion Ratio Lower Upper

168 100

99 46.6 39.4 59.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.66

400000

300000

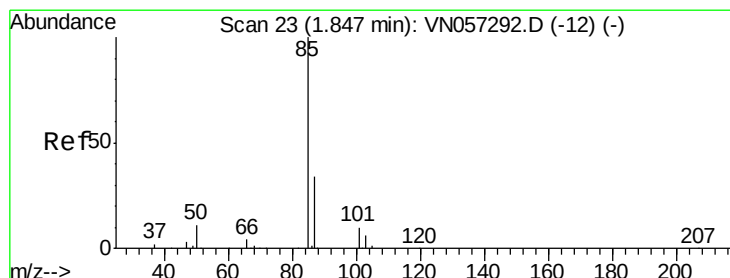
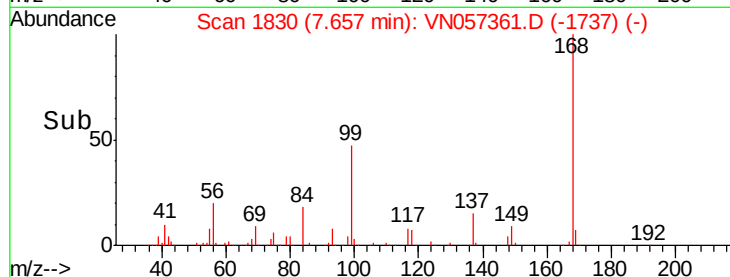
200000

100000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 18.294 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN057361.D

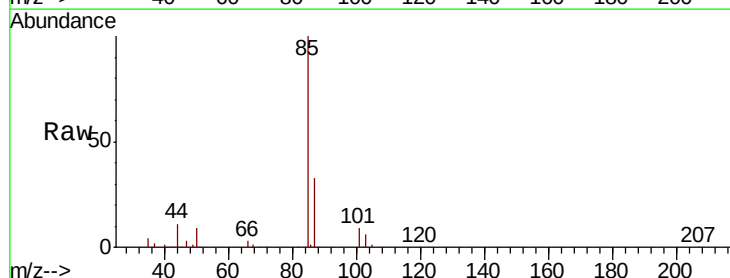
Acq: 16 Aug 2019 18:22

Tgt Ion: 85 Resp: 136244

Ion Ratio Lower Upper

85 100

87 32.7 16.9 50.7



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN

1.85

100000

80000

60000

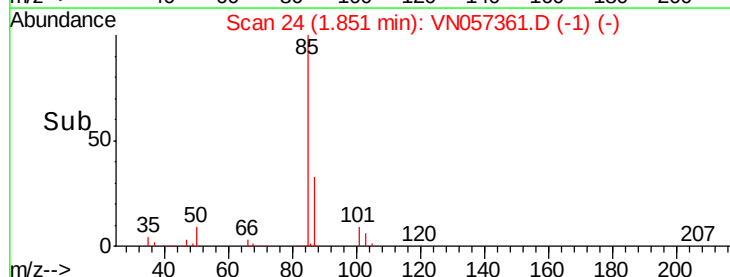
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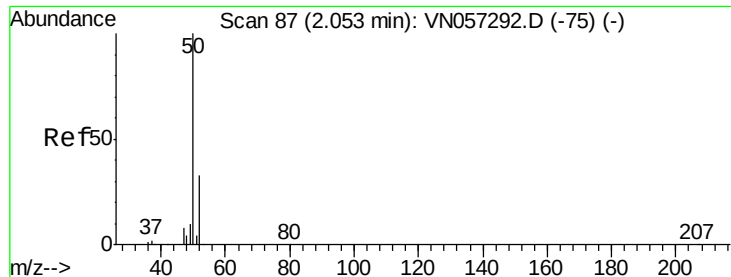
20000

0

1.80 1.85 1.90 1.95

Time-->





#3

Chloromethane

Concen: 17.832 ug/l

RT: 2.05 min Scan# 87

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

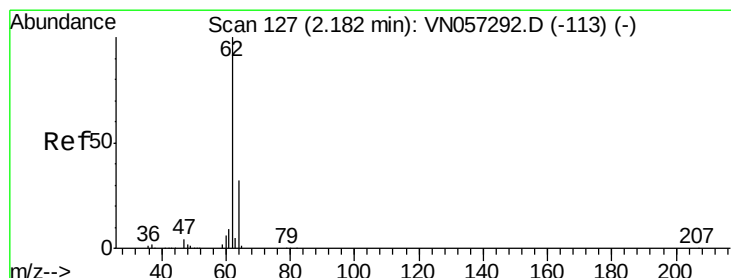
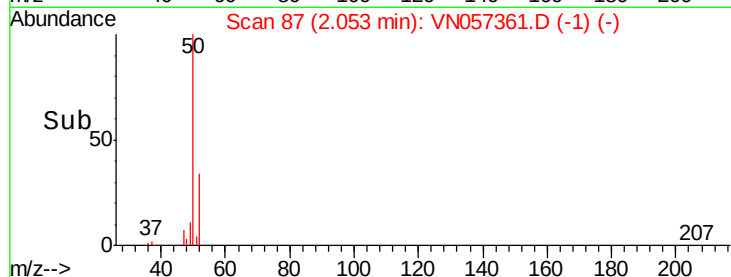
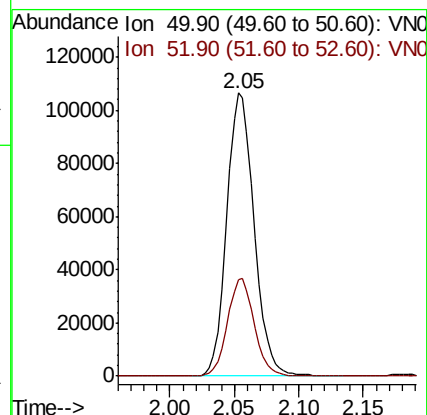
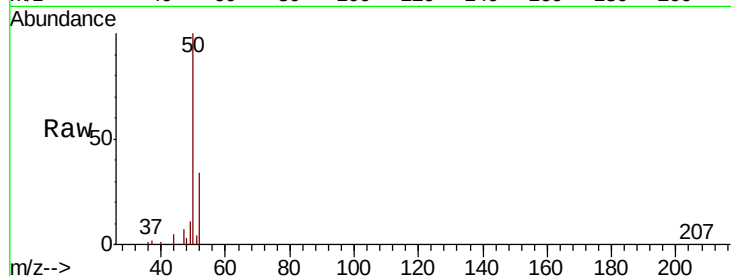
VN0818WBS01

Tgt Ion: 50 Resp: 156754

Ion Ratio Lower Upper

50 100

52 34.3 26.8 40.2



#4

Vinyl Chloride

Concen: 18.549 ug/l

RT: 2.18 min Scan# 127

Delta R.T. 0.00 min

Lab File: VN057361.D

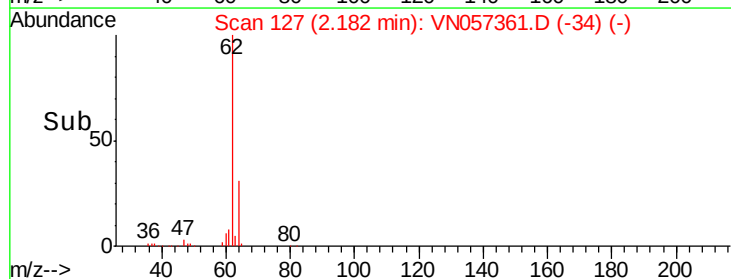
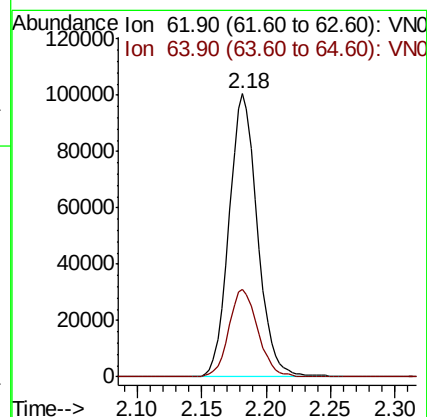
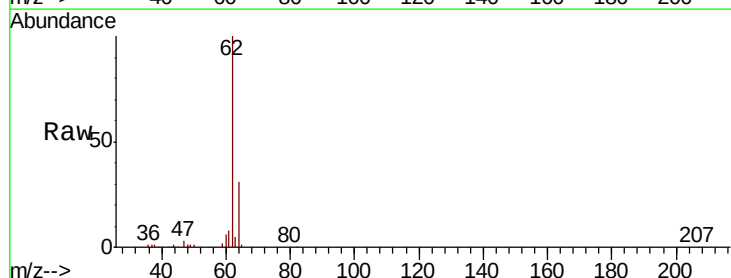
Acq: 16 Aug 2019 18:22

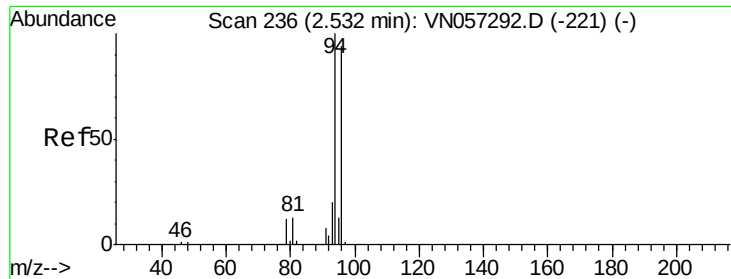
Tgt Ion: 62 Resp: 153402

Ion Ratio Lower Upper

62 100

64 31.1 25.9 38.9





#5

Bromomethane

Concen: 19.954 ug/l

RT: 2.54 min Scan# 238

Delta R.T. 0.01 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

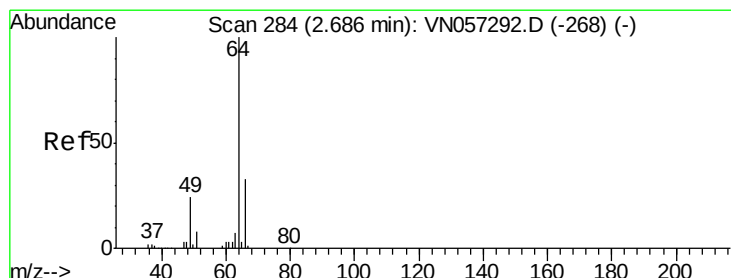
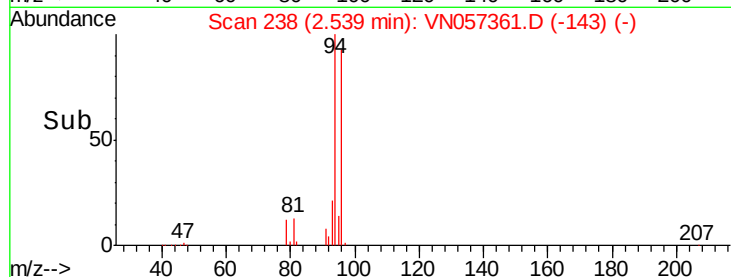
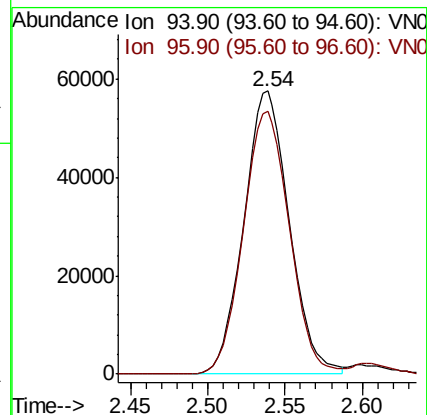
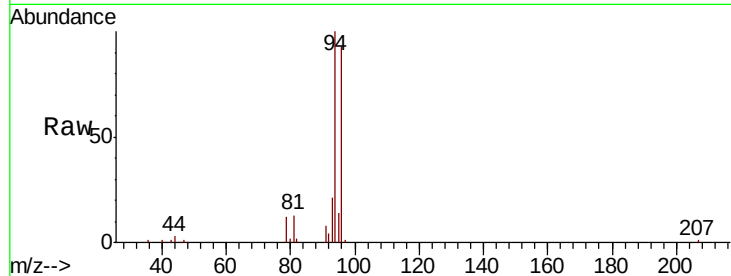
VN0818WBS01

Tgt Ion: 94 Resp: 117632

Ion Ratio Lower Upper

94 100

96 92.4 75.0 112.6



#6

Chloroethane

Concen: 18.314 ug/l

RT: 2.69 min Scan# 286

Delta R.T. 0.01 min

Lab File: VN057361.D

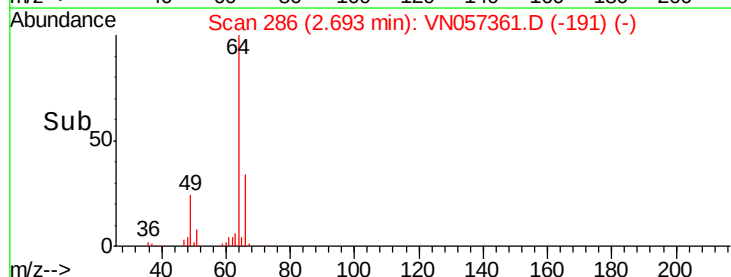
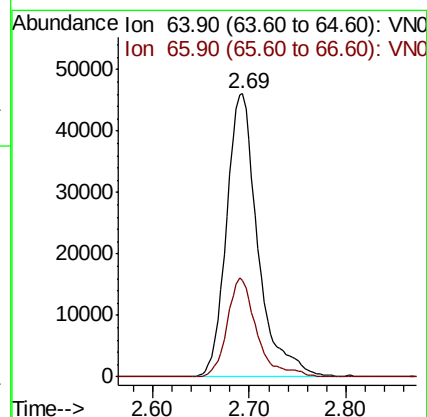
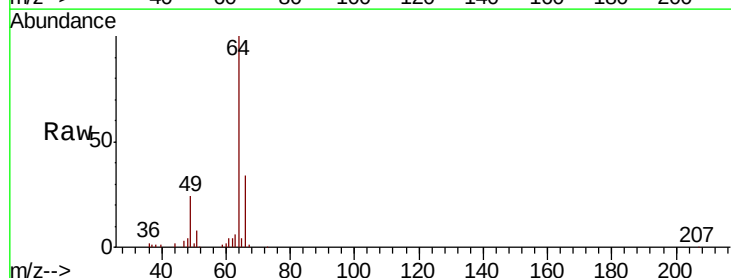
Acq: 16 Aug 2019 18:22

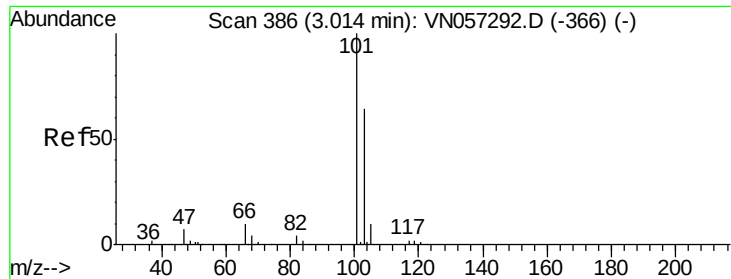
Tgt Ion: 64 Resp: 104185

Ion Ratio Lower Upper

64 100

66 34.2 26.4 39.6



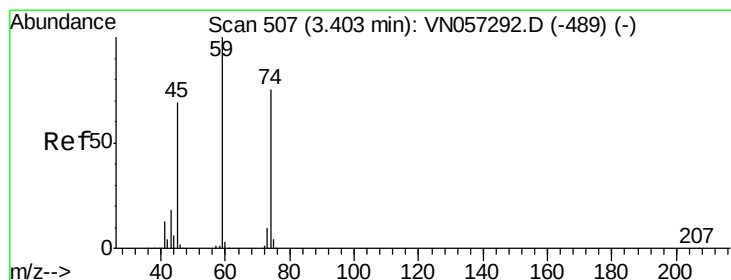
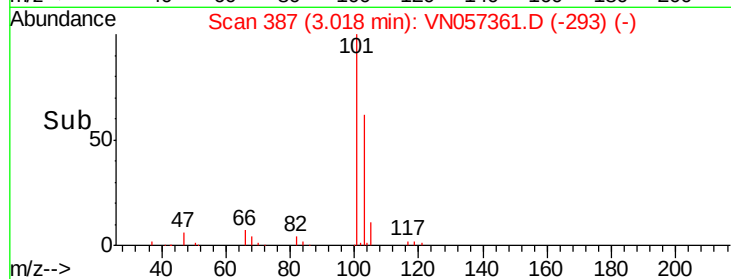
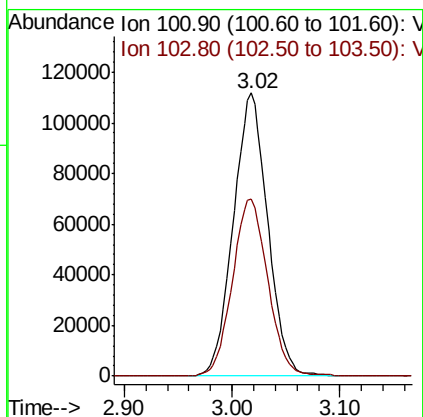
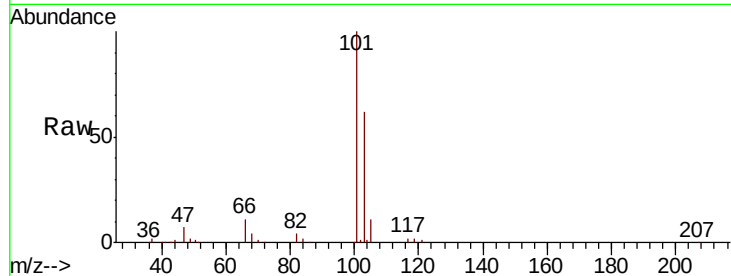


#7

Trichlorofluoromethane
 Concen: 19.119 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN057361.D
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 VN0818WBS01

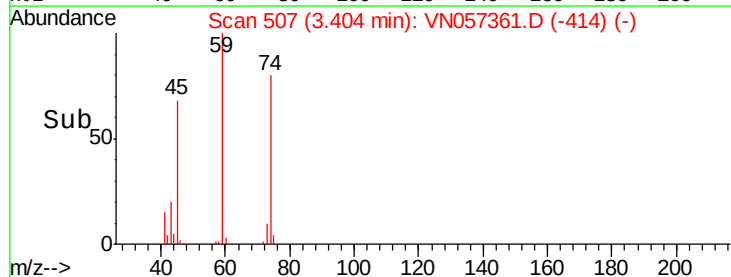
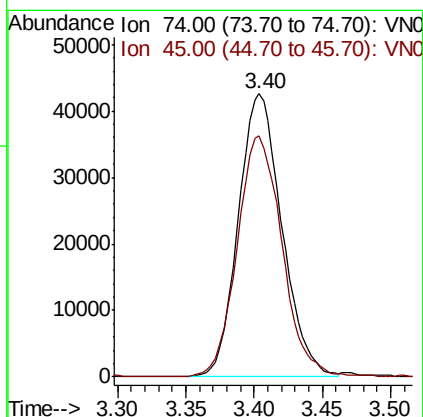
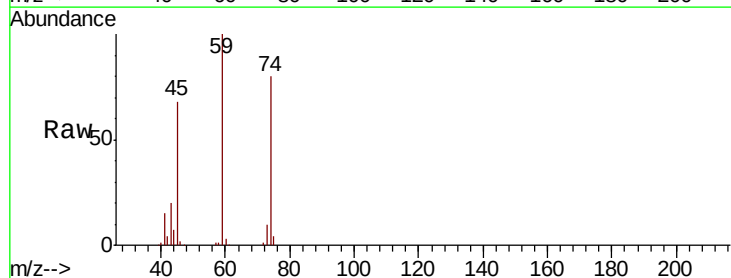
Tgt Ion:101 Resp: 248014
 Ion Ratio Lower Upper
 101 100
 103 62.4 51.5 77.3

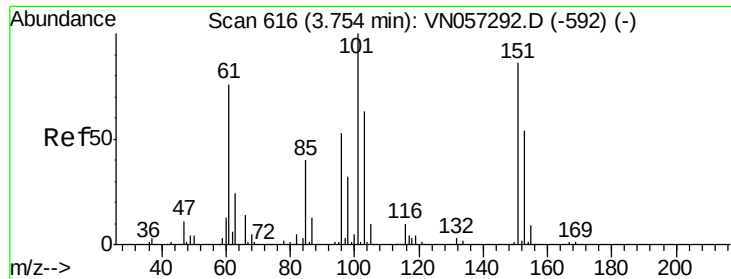


#8

Diethyl Ether
 Concen: 19.371 ug/l
 RT: 3.40 min Scan# 507
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 74 Resp: 94578
 Ion Ratio Lower Upper
 74 100
 45 87.5 45.9 137.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.438 ug/l

RT: 3.76 min Scan# 617

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

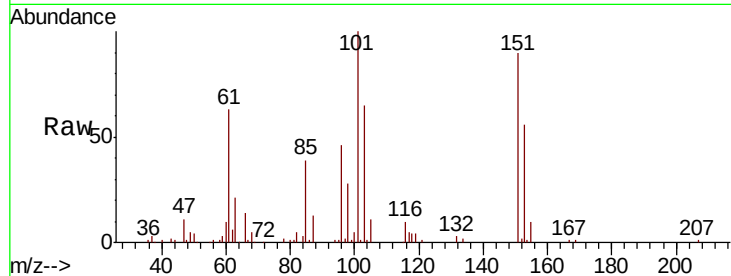
Tgt Ion:101 Resp: 148144

Ion Ratio Lower Upper

101 100

85 41.3 32.7 49.1

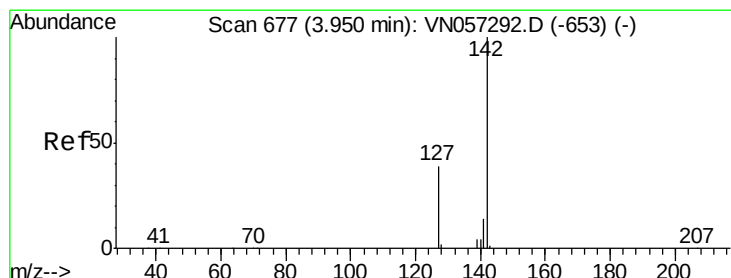
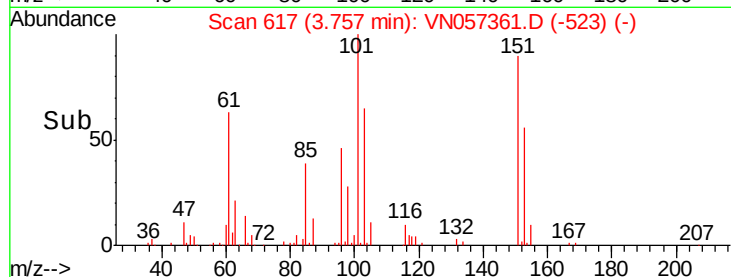
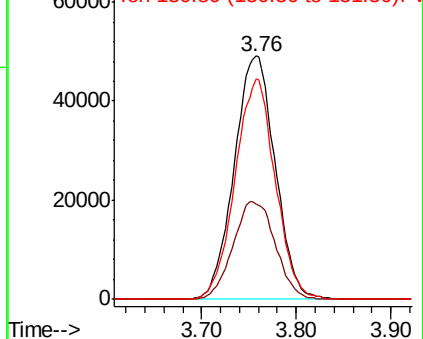
151 88.4 69.1 103.7



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 19.141 ug/l

RT: 3.95 min Scan# 676

Delta R.T. -0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

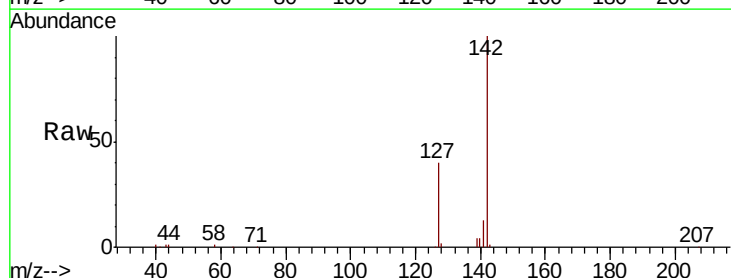
Tgt Ion:142 Resp: 233190

Ion Ratio Lower Upper

142 100

127 38.8 31.6 47.4

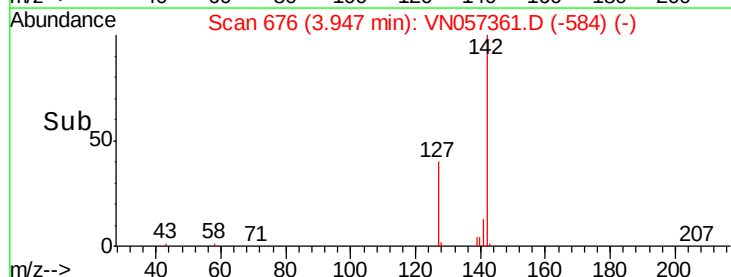
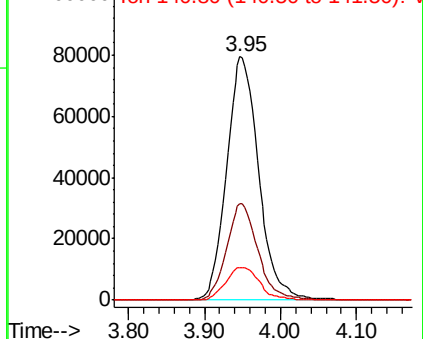
141 14.2 11.2 16.8

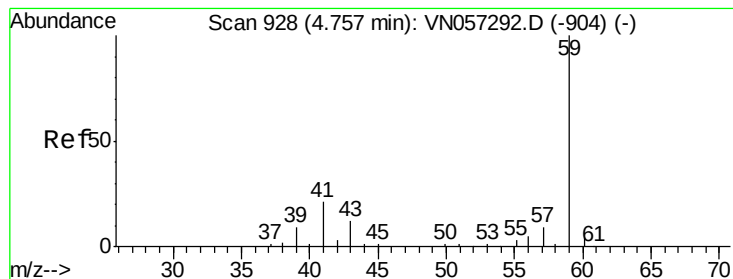


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



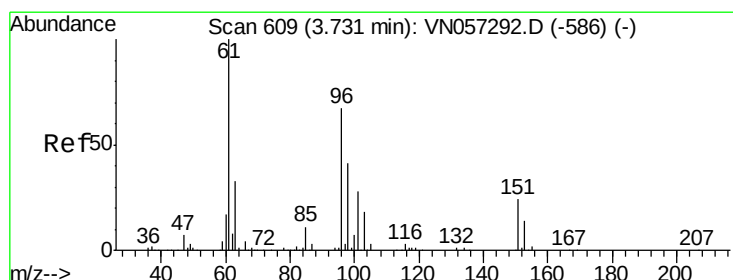
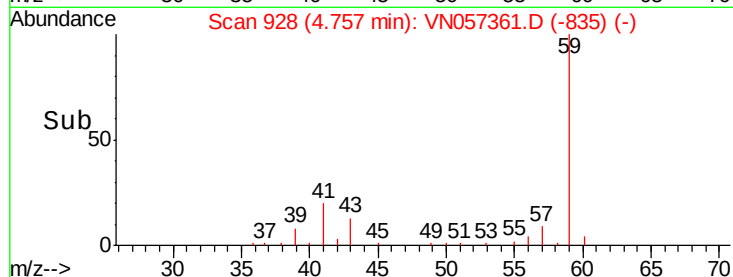
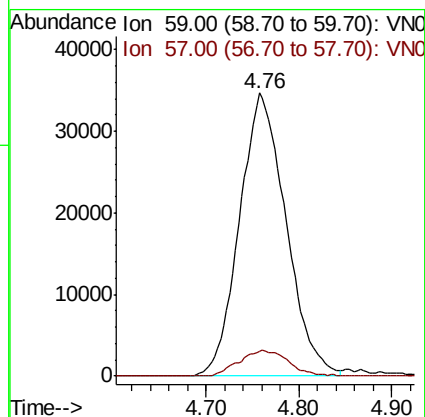
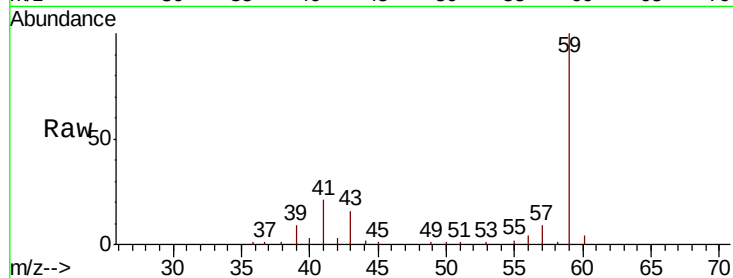


#11

Tert butyl alcohol
 Concen: 90.339 ug/l
 RT: 4.76 min Scan# 928
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

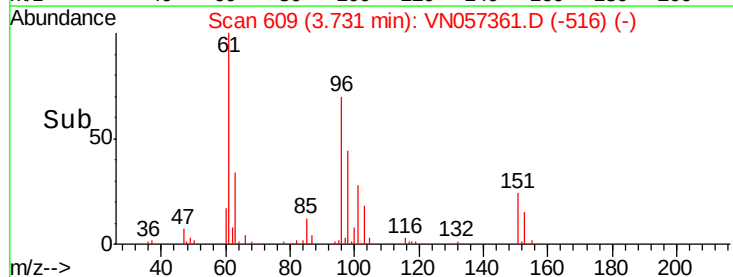
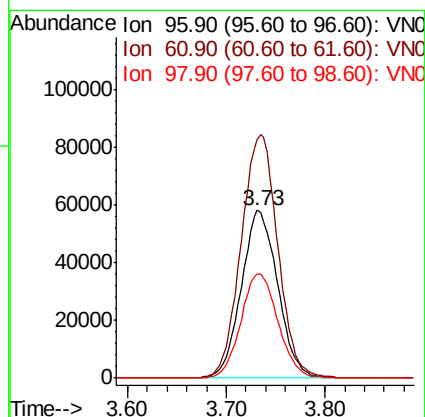
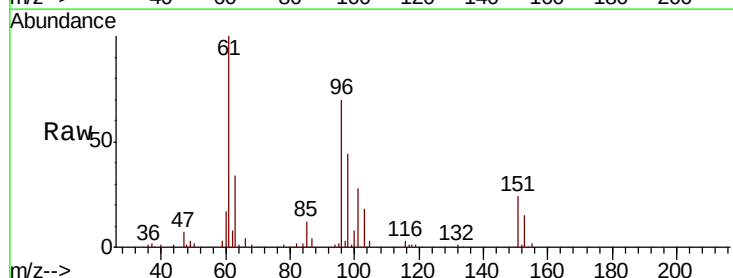
Tgt Ion: 59 Resp: 120837
 Ion Ratio Lower Upper
 59 100
 57 9.6 8.2 12.2

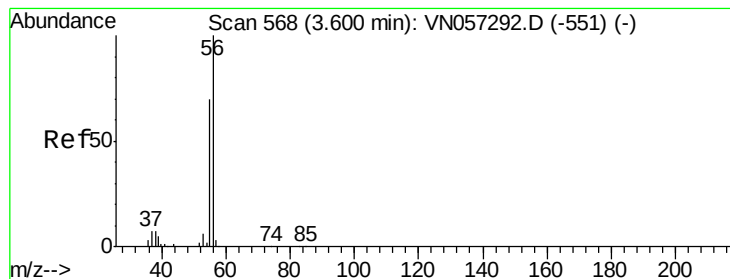


#12

1,1-Dichloroethene
 Concen: 19.552 ug/l
 RT: 3.73 min Scan# 609
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 96 Resp: 148473
 Ion Ratio Lower Upper
 96 100
 61 142.1 119.7 179.5
 98 62.3 49.0 73.4





#13

Acrolein

Concen: 67.950 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

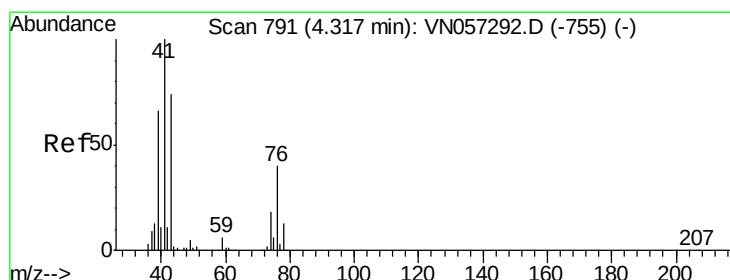
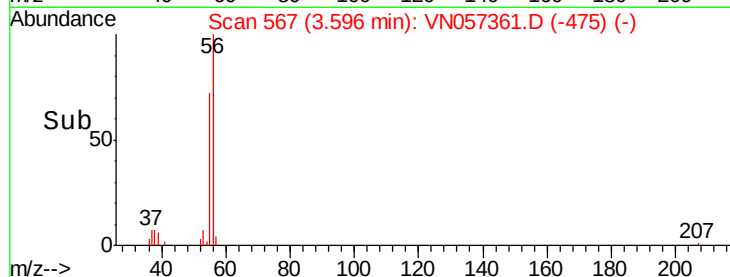
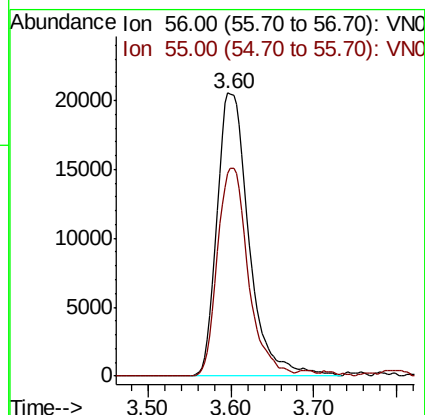
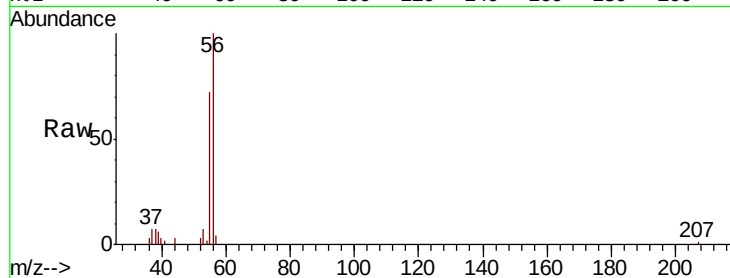
VN0818WBS01

Tgt Ion: 56 Resp: 55176

Ion Ratio Lower Upper

56 100

55 70.6 56.6 84.8



#14

Allyl chloride

Concen: 18.319 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

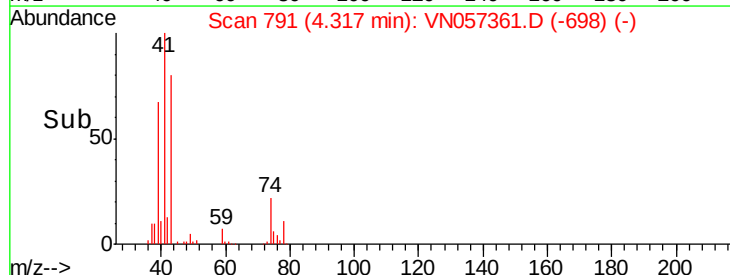
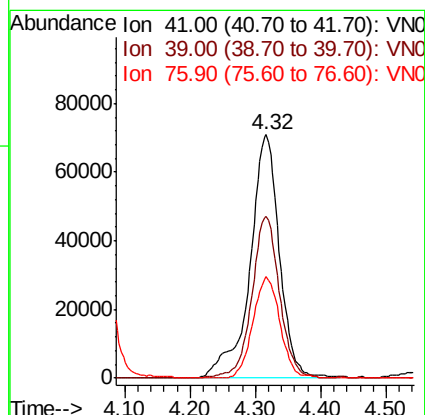
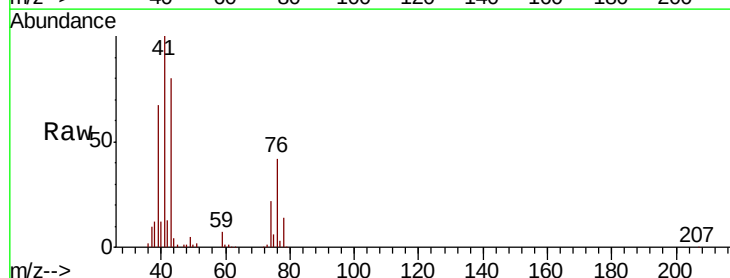
Tgt Ion: 41 Resp: 222989

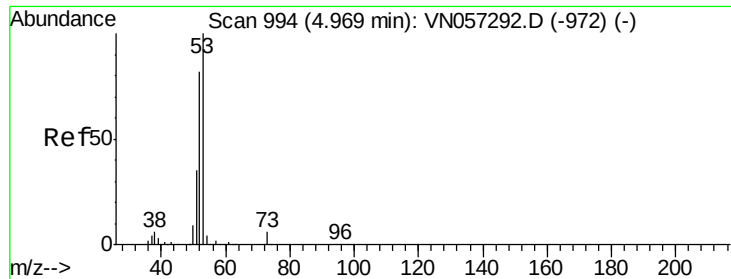
Ion Ratio Lower Upper

41 100

39 62.5 49.0 73.6

76 38.2 29.0 43.4





#15

Acrylonitrile

Concen: 95.743 ug/l

RT: 4.97 min Scan# 995

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

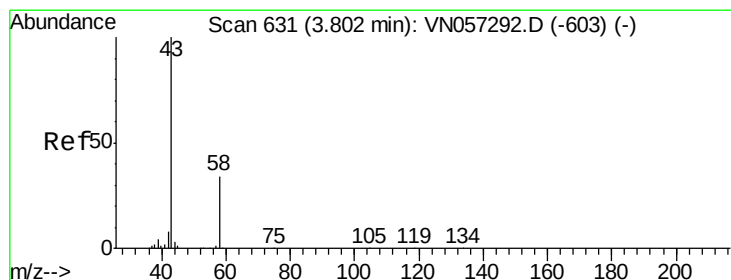
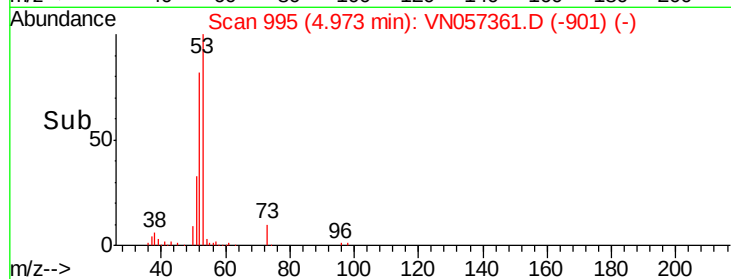
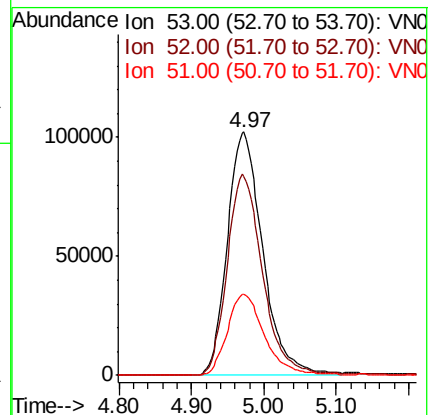
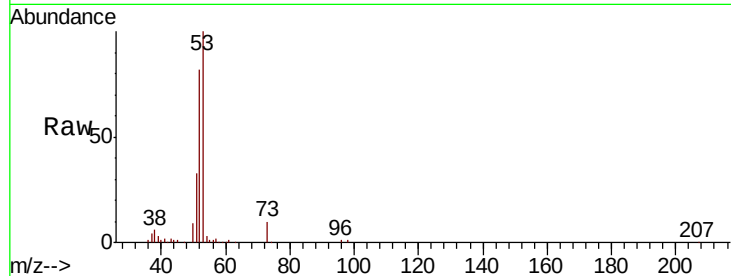
Tgt Ion: 53 Resp: 347687

Ion Ratio Lower Upper

53 100

52 82.0 66.2 99.2

51 35.1 28.5 42.7



#16

Acetone

Concen: 81.921 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.00 min

Lab File: VN057361.D

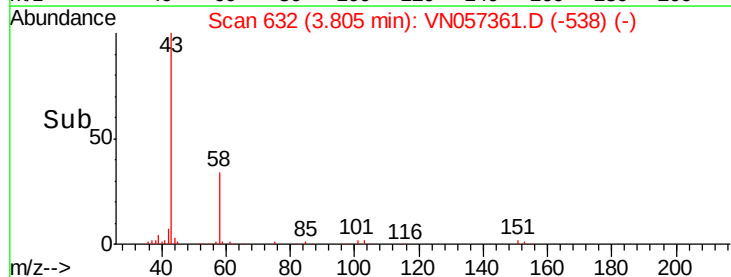
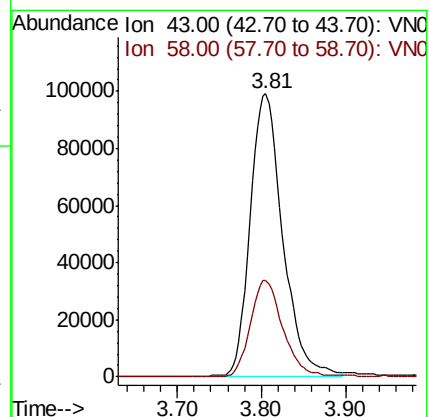
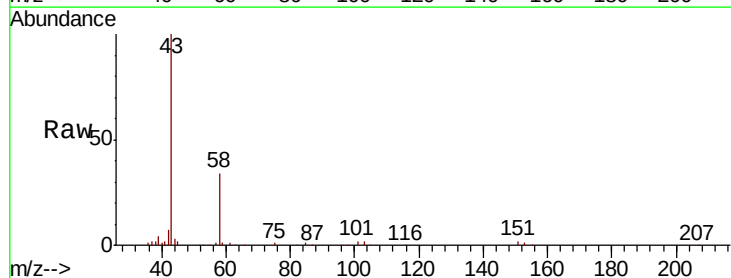
Acq: 16 Aug 2019 18:22

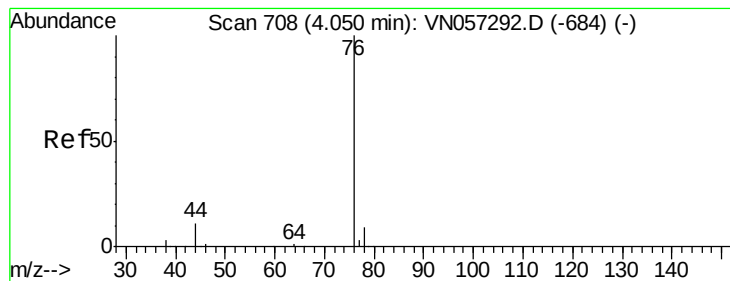
Tgt Ion: 43 Resp: 267383

Ion Ratio Lower Upper

43 100

58 34.1 27.0 40.6





#17

Carbon Disulfide

Concen: 18.344 ug/l

RT: 4.05 min Scan# 708

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

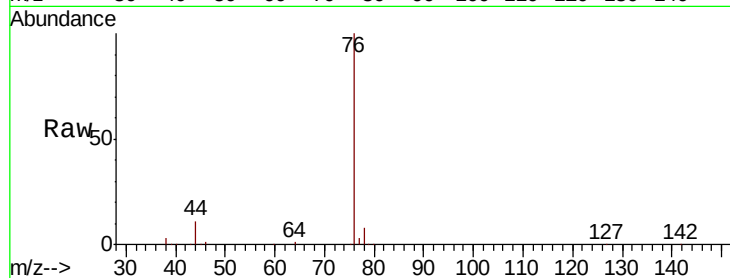
VN0818WBS01

Tgt Ion: 76 Resp: 375281

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

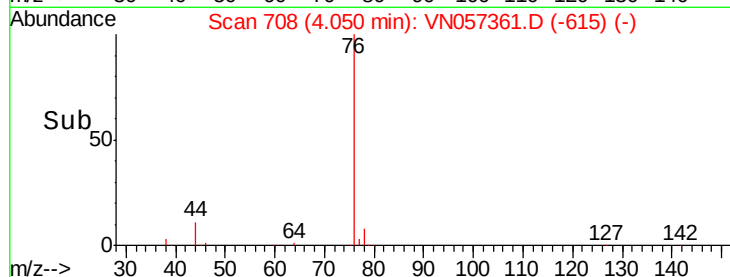
150000

100000

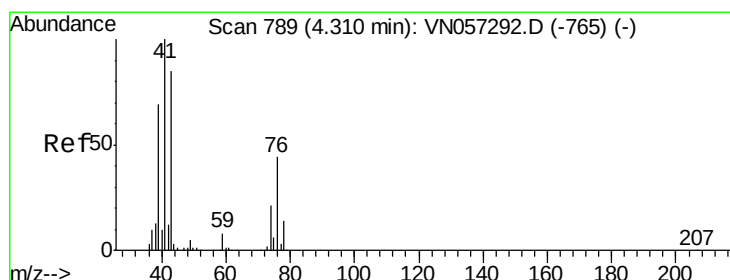
50000

0

Time-->



Time-->



#18

Methyl Acetate

Concen: 18.022 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.00 min

Lab File: VN057361.D

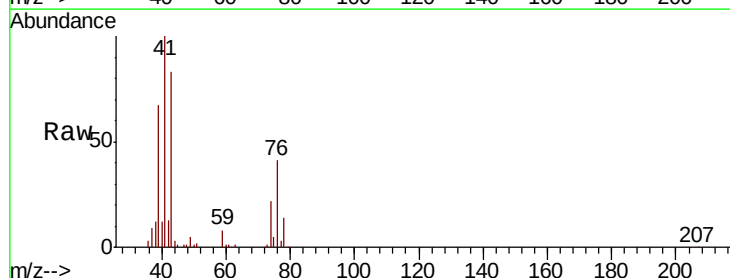
Acq: 16 Aug 2019 18:22

Tgt Ion: 43 Resp: 170673

Ion Ratio Lower Upper

43 100

74 27.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

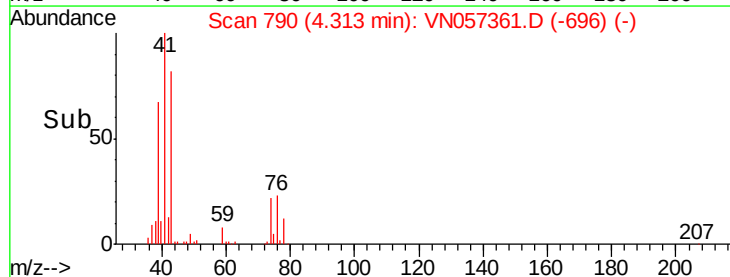
60000

40000

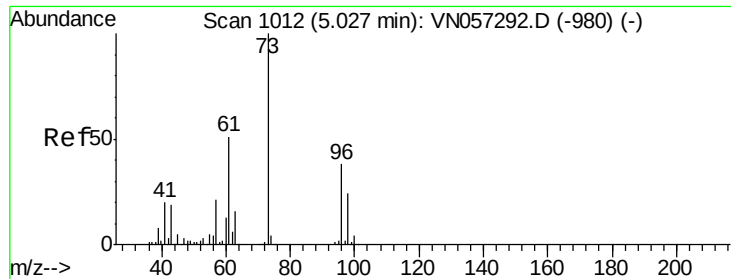
20000

0

Time-->



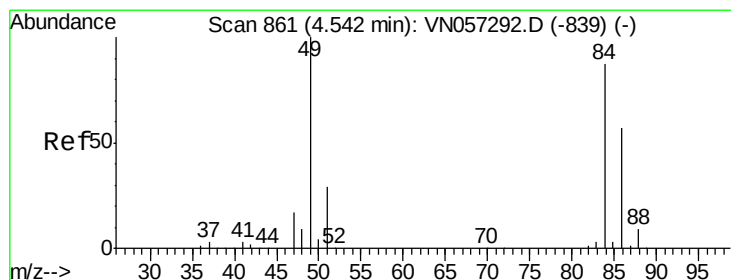
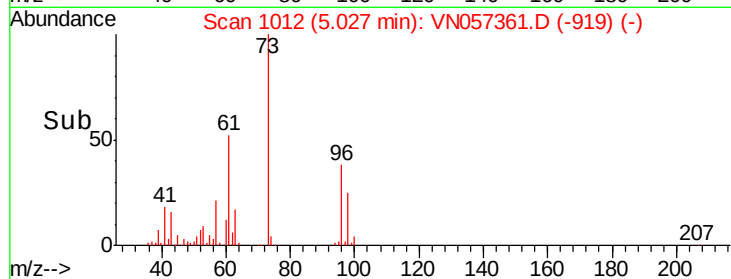
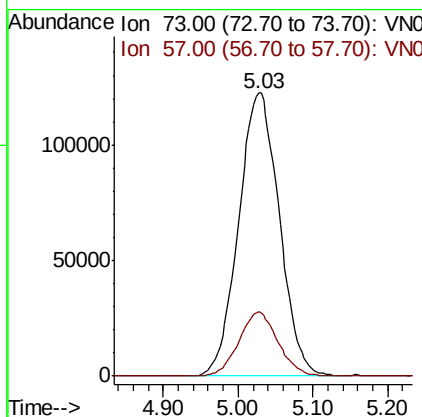
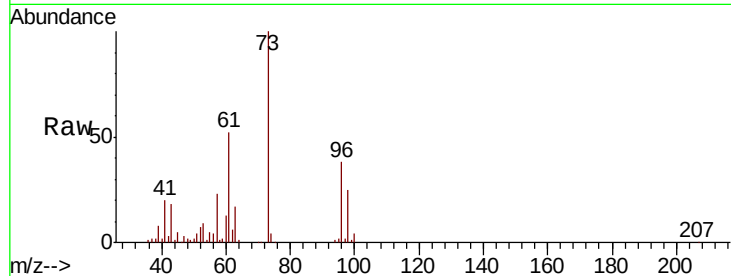
Time-->



#19
Methyl tert-butyl Ether
Concen: 19.433 ug/l
RT: 5.03 min Scan# 1012
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

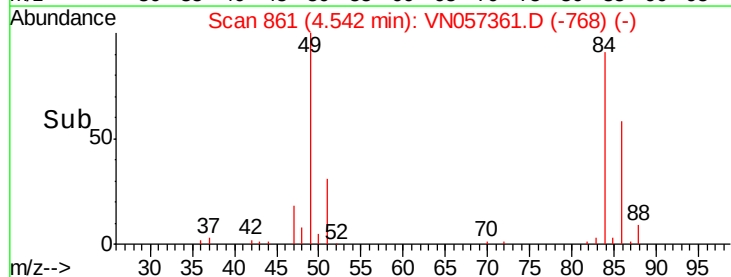
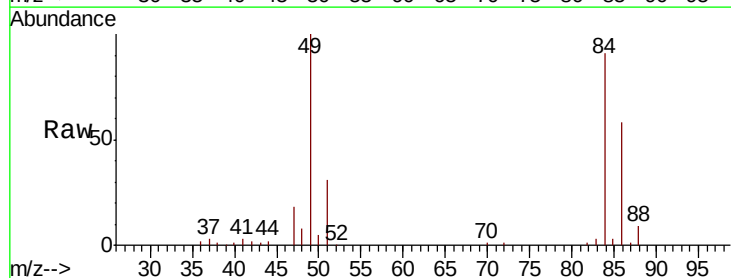
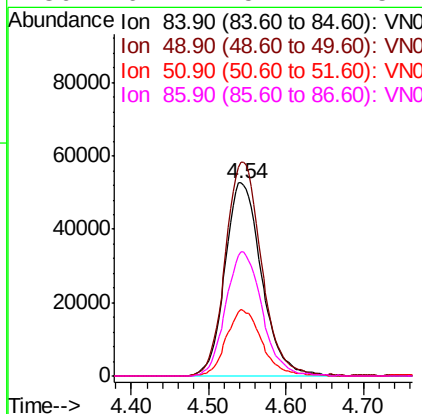
Instrument :
MSVOA_N
ClientSampled :
VN0818WBS01

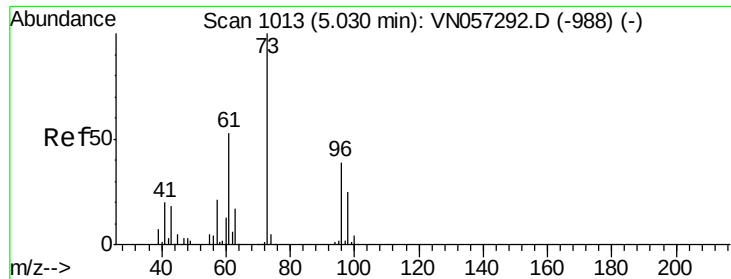
Tgt Ion: 73 Resp: 463049
Ion Ratio Lower Upper
73 100
57 22.6 16.9 25.3



#20
Methylene Chloride
Concen: 18.964 ug/l
RT: 4.54 min Scan# 861
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Tgt Ion: 84 Resp: 173180
Ion Ratio Lower Upper
84 100
49 110.4 92.0 138.0
51 34.2 27.1 40.7
86 64.1 52.2 78.2





#21

trans-1,2-Dichloroethene

Concen: 19.068 ug/l

RT: 5.03 min Scan# 1013

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

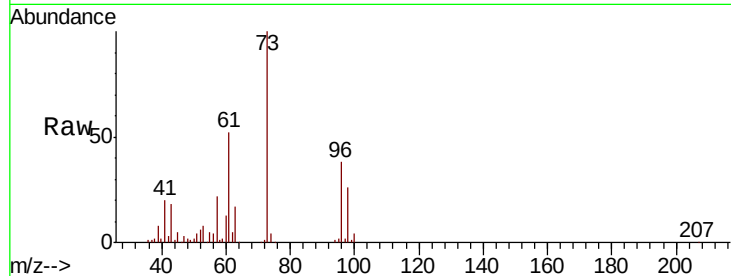
Tgt Ion: 96 Resp: 155716

Ion Ratio Lower Upper

96 100

61 136.2 109.5 164.3

98 68.9 51.0 76.6

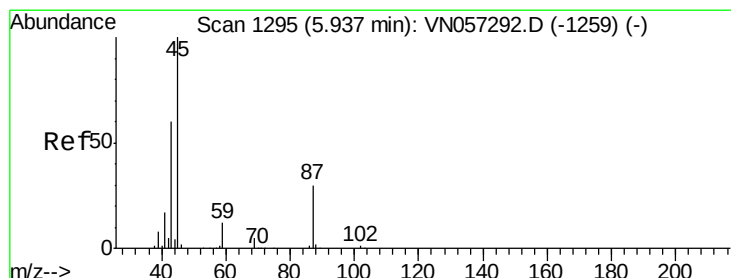
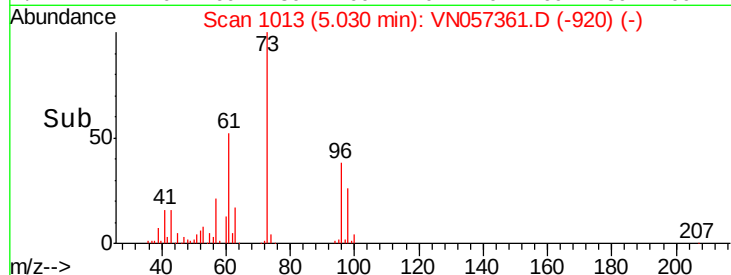
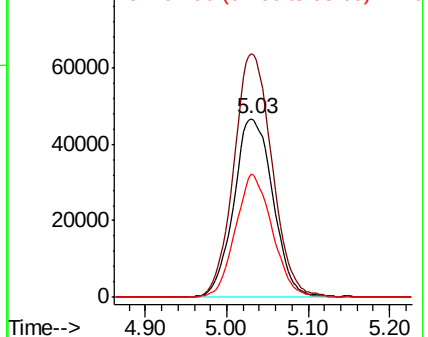


Abundance

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: 19.147 ug/l

RT: 5.93 min Scan# 1294

Delta R.T. -0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Tgt Ion: 45 Resp: 460411

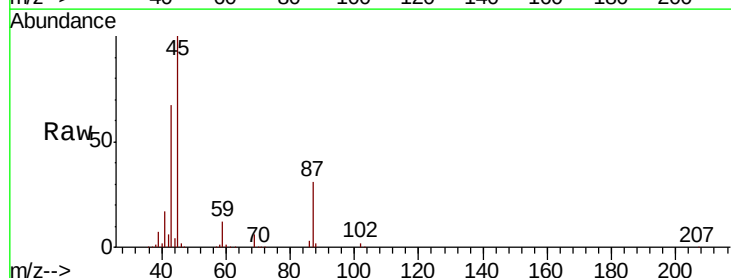
Ion Ratio Lower Upper

45 100

43 65.4 48.3 72.5

87 31.3 24.6 36.8

59 11.8 9.8 14.8



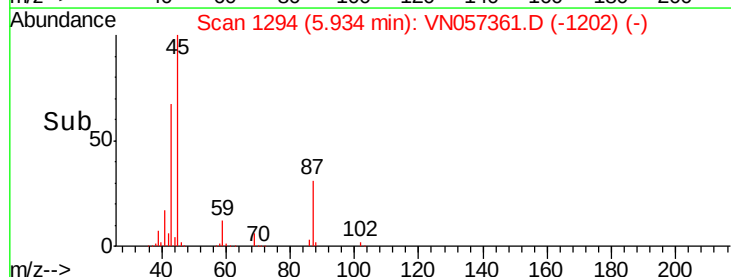
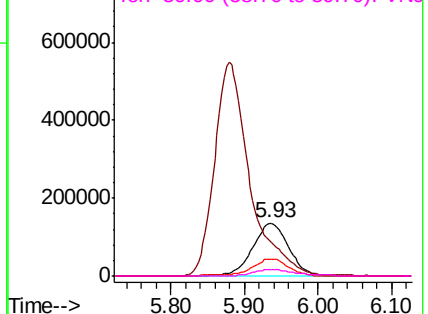
Abundance

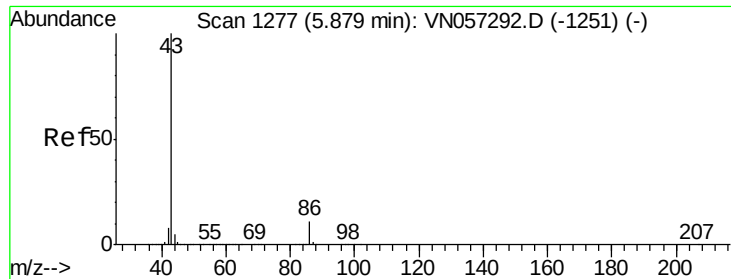
Ion 45.00 (44.70 to 45.70): VN0

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

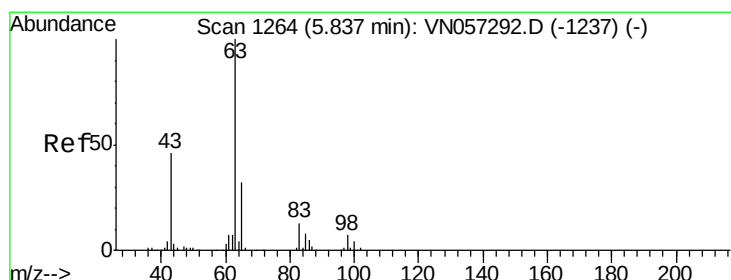
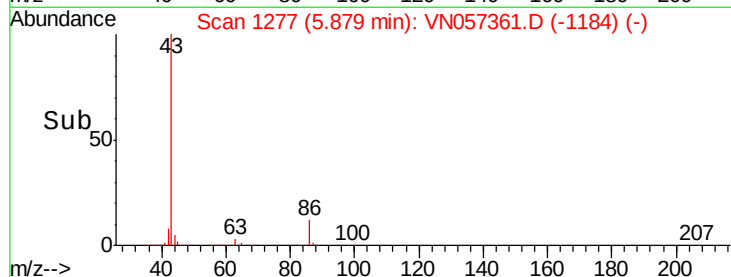
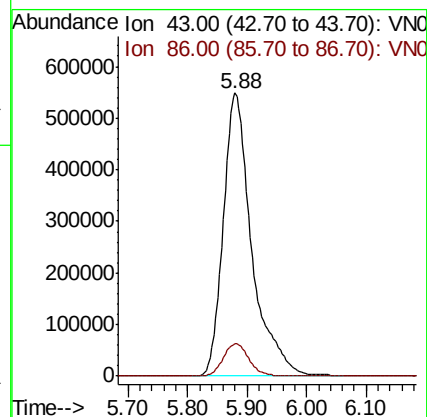
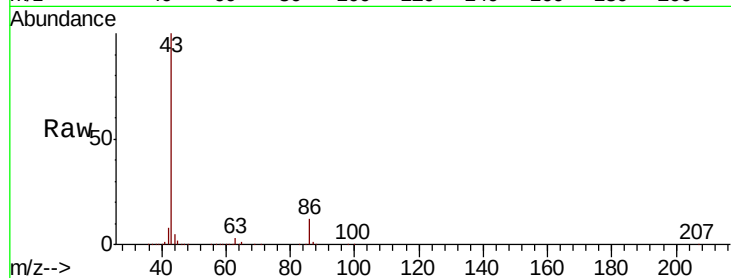




#23
 Vinyl Acetate
 Concen: 94.461 ug/l
 RT: 5.88 min Scan# 1277
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

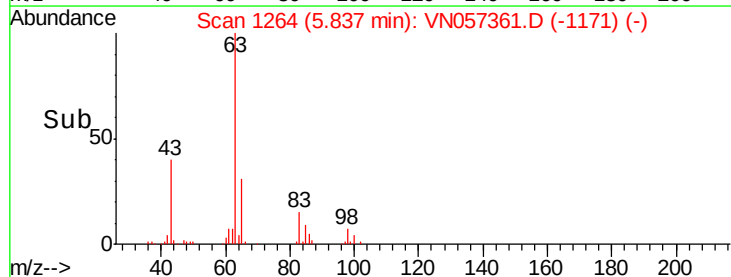
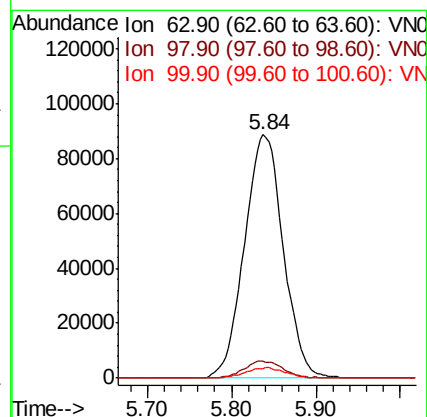
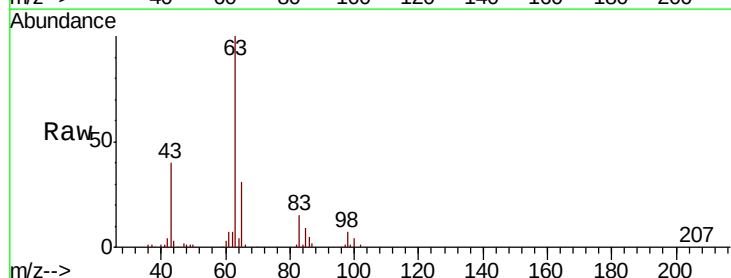
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

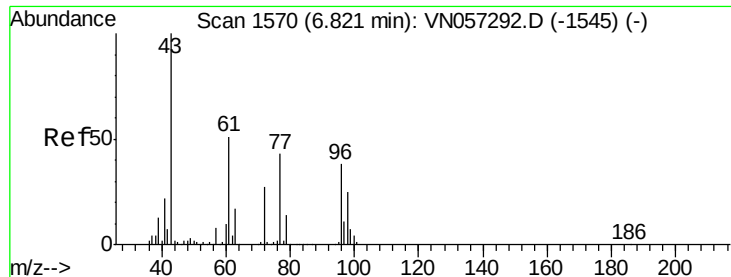
Tgt Ion: 43 Resp: 1828050
 Ion Ratio Lower Upper
 43 100
 86 11.7 8.7 13.1



#24
 1,1-Dichloroethane
 Concen: 19.180 ug/l
 RT: 5.84 min Scan# 1264
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 63 Resp: 283750
 Ion Ratio Lower Upper
 63 100
 98 7.0 3.3 9.9
 100 4.0 2.1 6.5

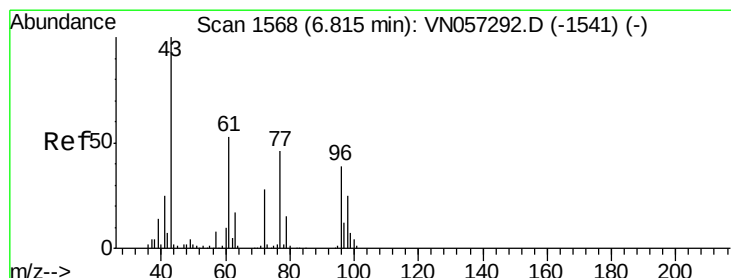
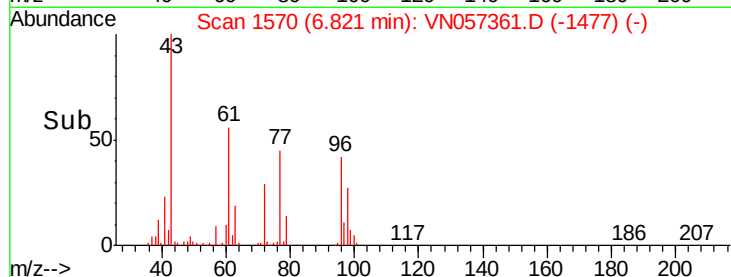
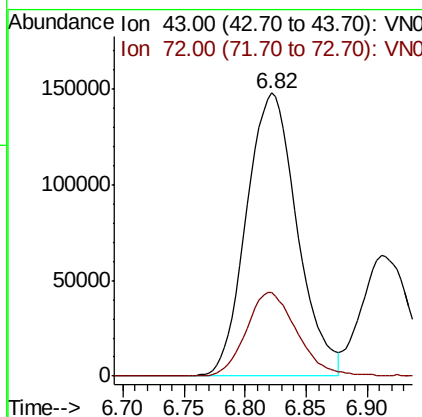
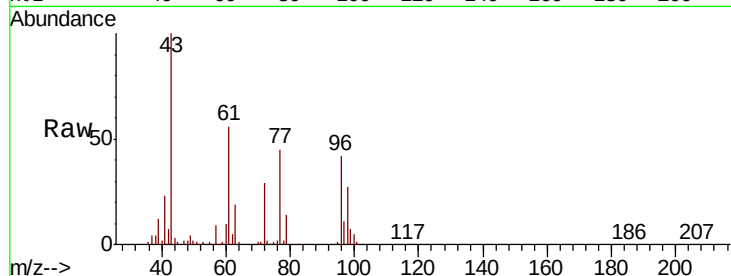




#25
 2-Butanone
 Concen: 90.056 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

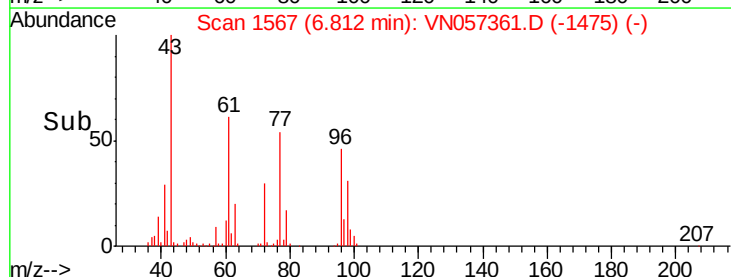
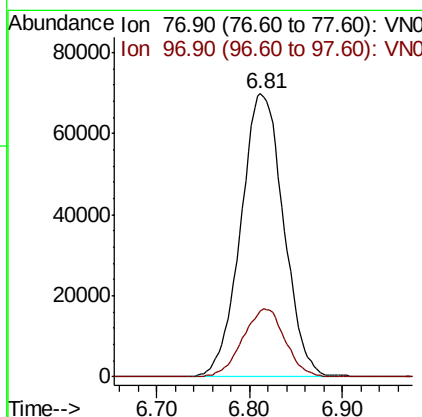
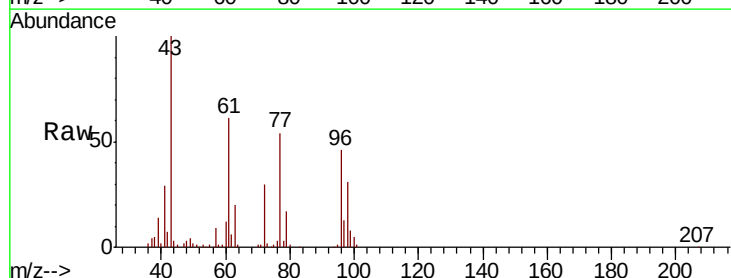
Instrument :
 MSVOA_N
 ClientSampled :
 VN0818WBS01

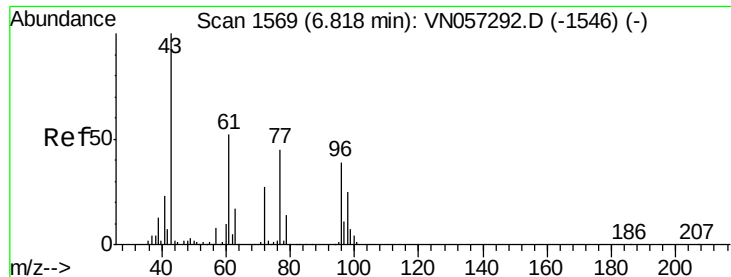
Tgt Ion: 43 Resp: 425647
 Ion Ratio Lower Upper
 43 100
 72 29.5 21.5 32.3



#26
 2,2-Dichloropropane
 Concen: 18.725 ug/l
 RT: 6.81 min Scan# 1567
 Delta R.T. -0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 77 Resp: 223870
 Ion Ratio Lower Upper
 77 100
 97 23.8 12.3 36.9





#27

cis-1,2-Dichloroethene

Concen: 19.052 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

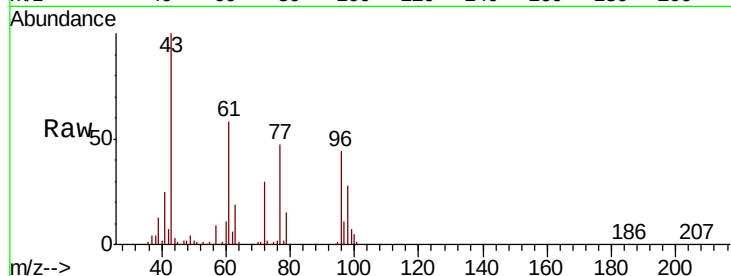
Tgt Ion: 96 Resp: 184195

Ion Ratio Lower Upper

96 100

61 135.2 0.0 272.0

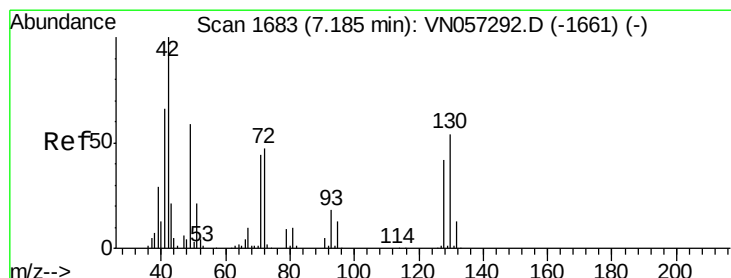
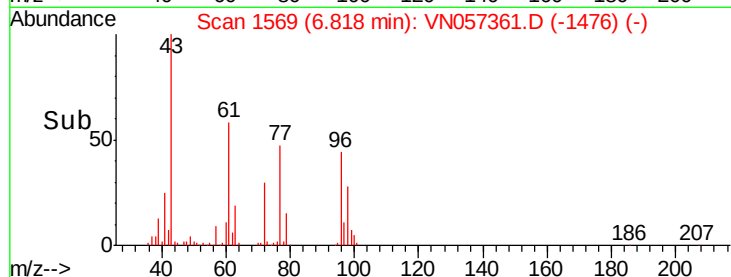
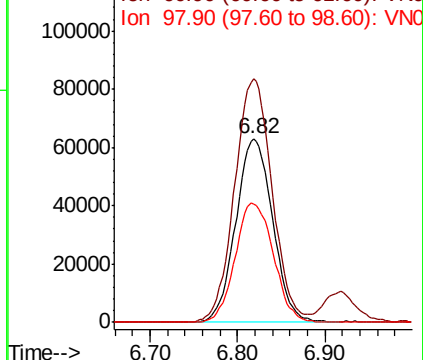
98 67.4 0.0 130.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 16.446 ug/l

RT: 7.18 min Scan# 1683

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

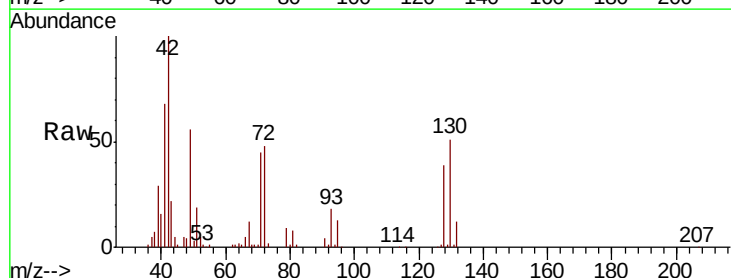
Tgt Ion: 49 Resp: 108104

Ion Ratio Lower Upper

49 100

129 2.3 0.0 2.0#

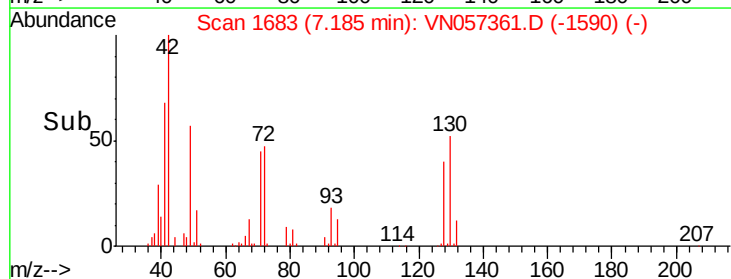
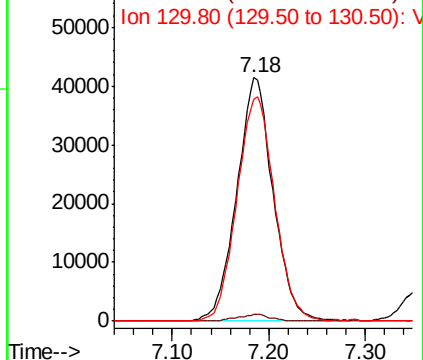
130 95.1 73.2 109.8

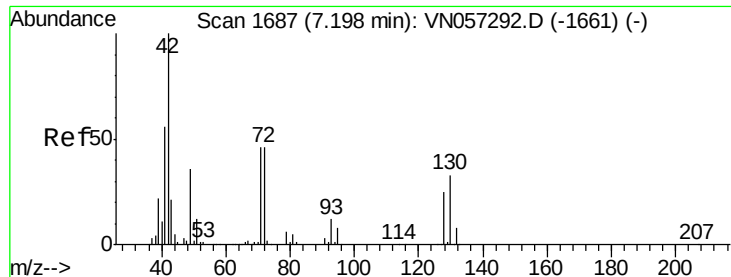


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

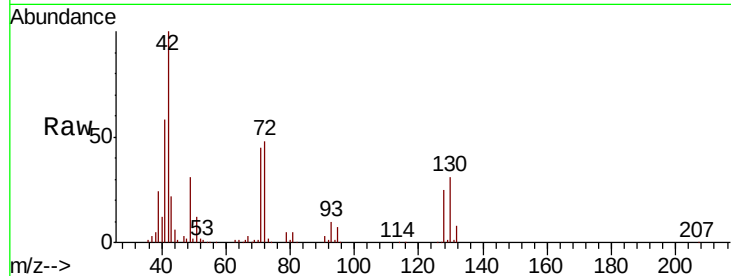




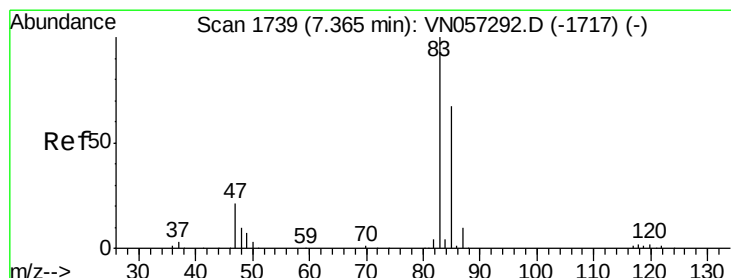
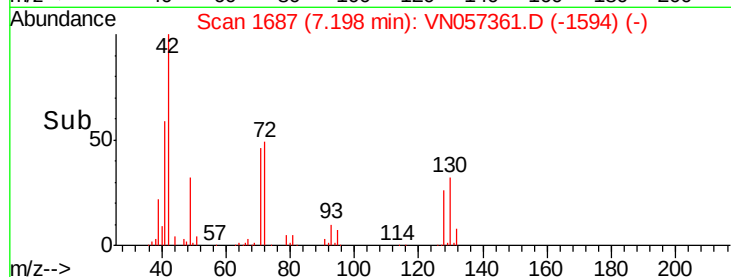
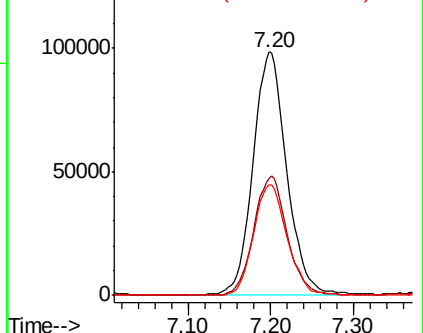
#29
Tetrahydrofuran
Concen: 93.099 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBS01

Tgt Ion: 42 Resp: 278473
Ion Ratio Lower Upper
42 100
72 48.5 37.8 56.6
71 45.3 35.7 53.5

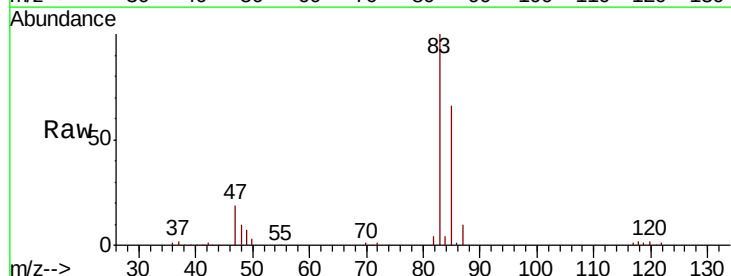


Abundance Ion 42.00 (41.70 to 42.70): VN0
Ion 72.00 (71.70 to 72.70): VN0
Ion 71.00 (70.70 to 71.70): VN0

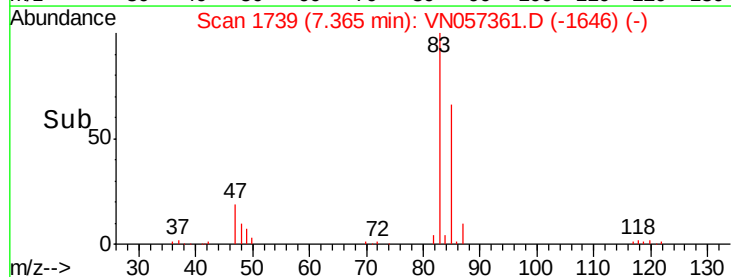
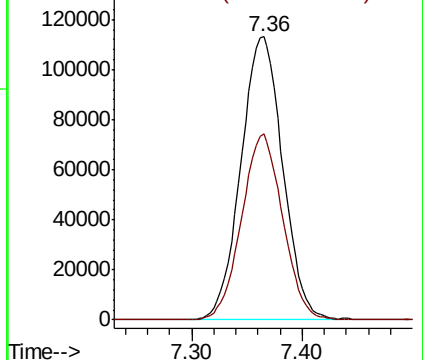


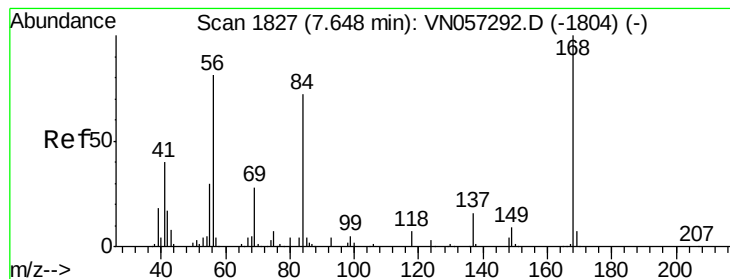
#30
Chloroform
Concen: 19.197 ug/l
RT: 7.36 min Scan# 1739
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Tgt Ion: 83 Resp: 297617
Ion Ratio Lower Upper
83 100
85 65.9 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: 18.534 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

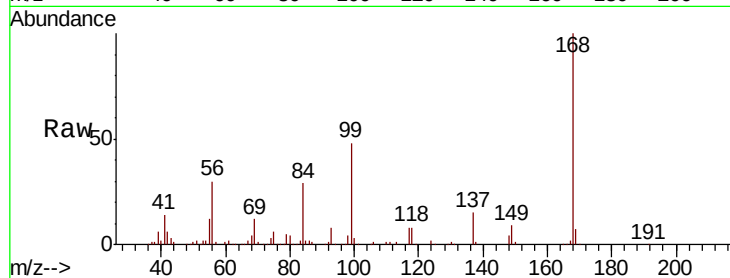
Tgt Ion: 56 Resp: 237612

Ion Ratio Lower Upper

56 100

69 39.5 27.3 40.9

84 94.5 71.0 106.6

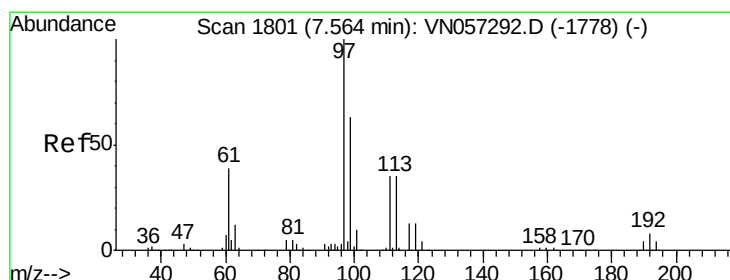
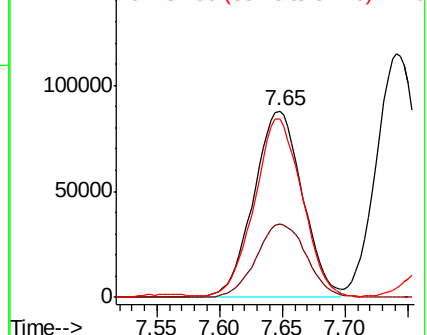
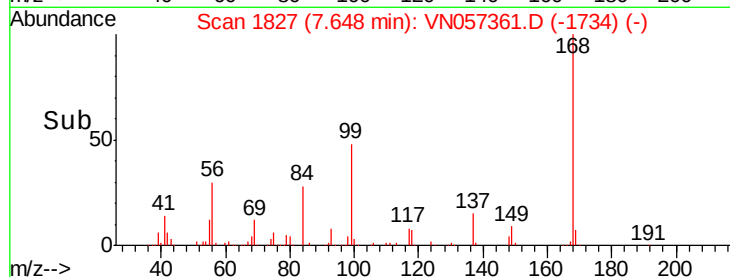


Abundance

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: 19.827 ug/l

RT: 7.56 min Scan# 1801

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

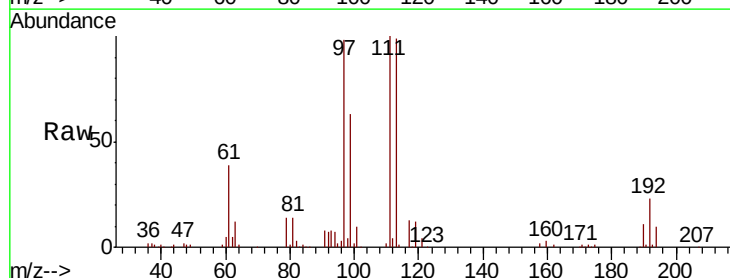
Tgt Ion: 97 Resp: 258535

Ion Ratio Lower Upper

97 100

99 65.0 50.3 75.5

61 39.1 31.3 46.9

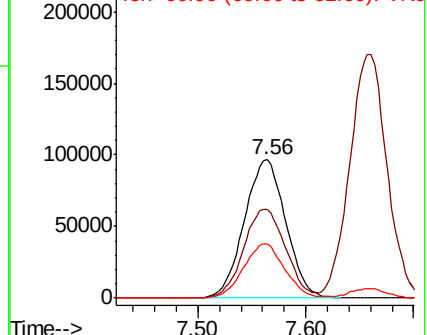
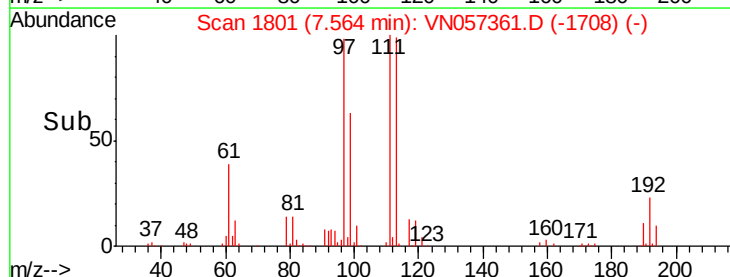


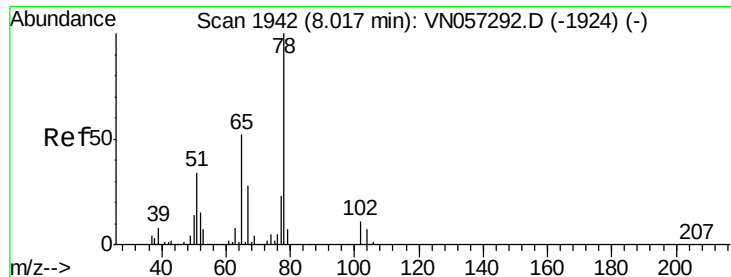
Abundance

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

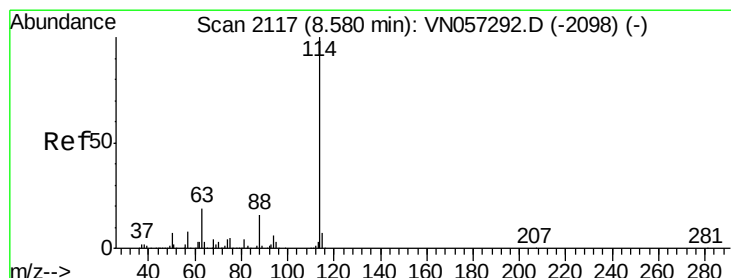
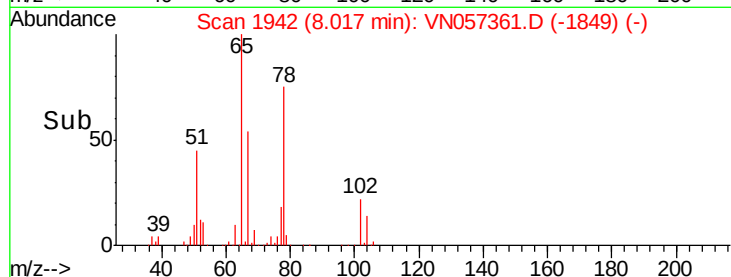
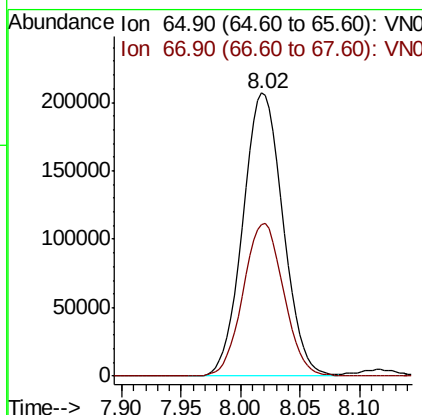
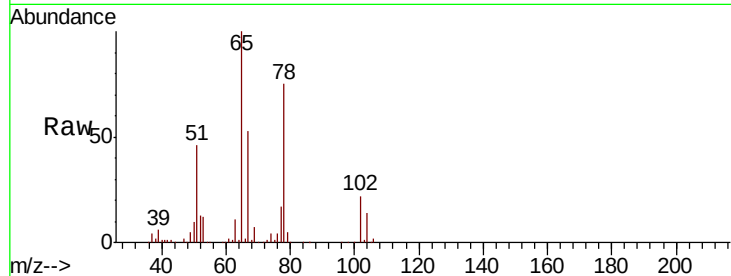




#33
 1,2-Dichloroethane-d4
 Concen: 51.468 ug/l
 RT: 8.02 min Scan# 1942
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

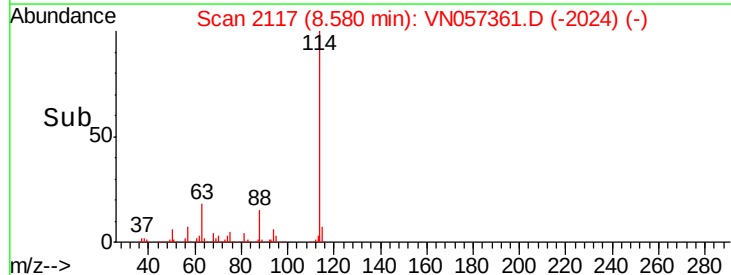
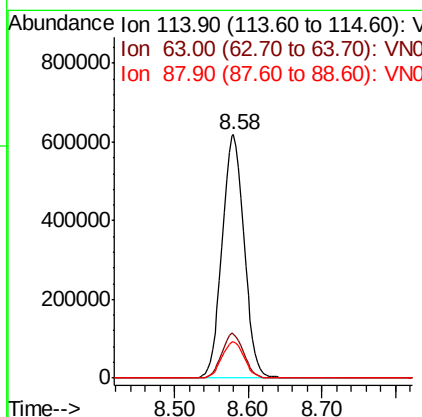
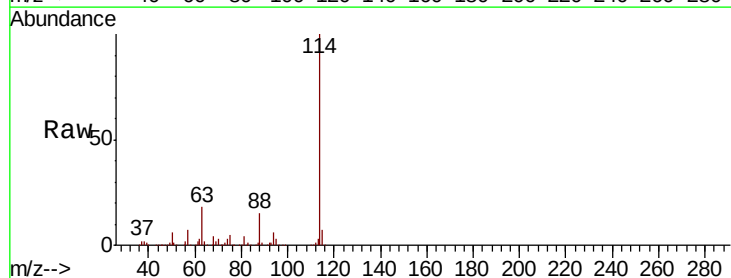
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

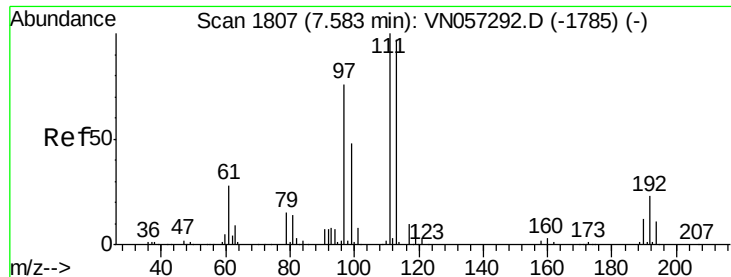
Tgt Ion: 65 Resp: 484257
 Ion Ratio Lower Upper
 65 100
 67 54.4 0.0 107.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2117
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 114 Resp: 1283113
 Ion Ratio Lower Upper
 114 100
 63 18.3 0.0 38.8
 88 15.0 0.0 31.4

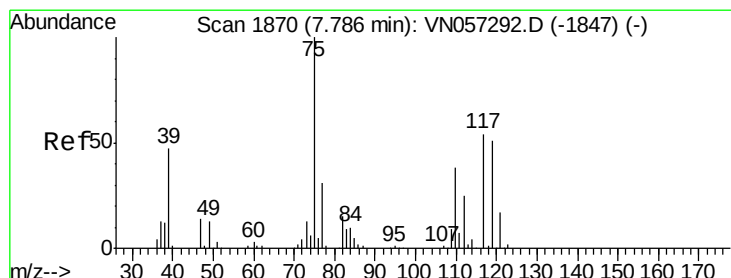
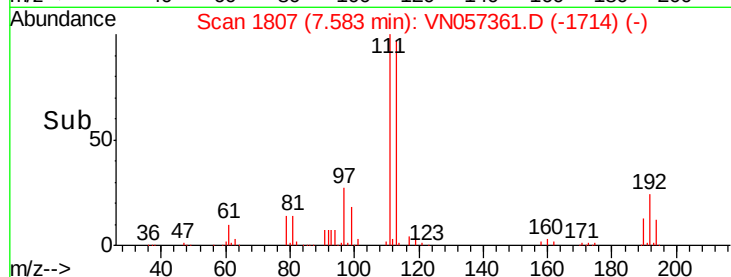
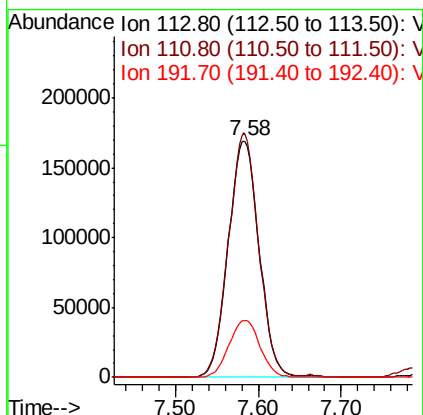
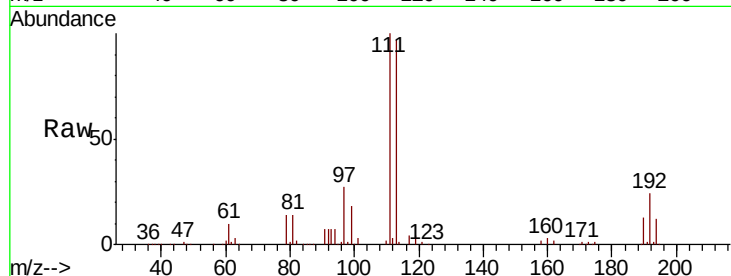




#35
 Dibromofluoromethane
 Concen: 52.264 ug/l
 RT: 7.58 min Scan# 1807
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

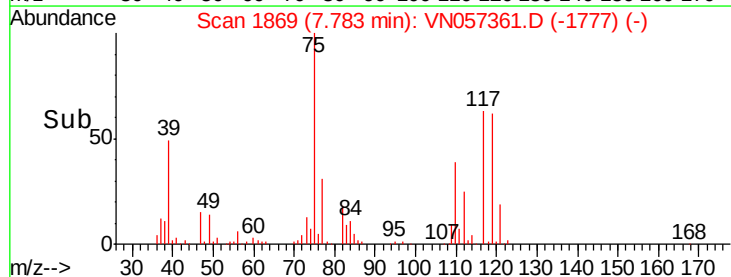
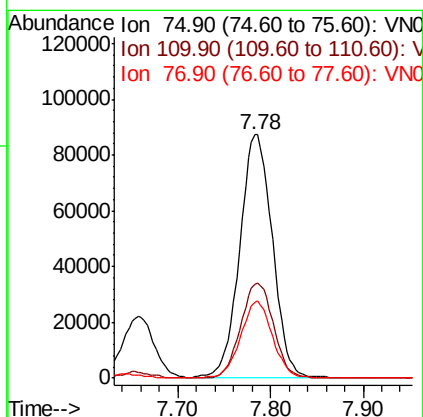
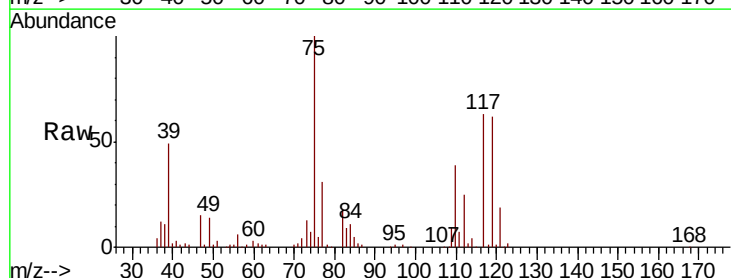
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

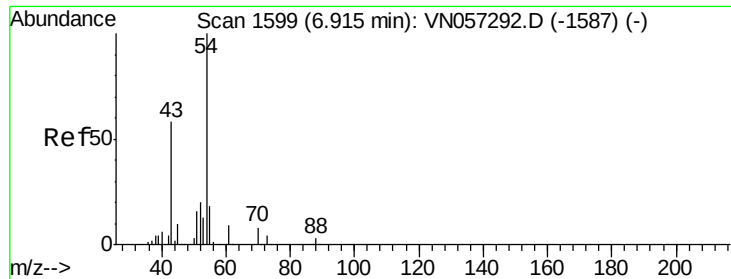
Tgt Ion	Ratio	Lower	Upper
113	100		
111	100.6	82.1	123.1
192	24.2	19.3	28.9



#36
 1,1-Dichloropropene
 Concen: 18.780 ug/l
 RT: 7.78 min Scan# 1869
 Delta R.T. -0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	19.5	58.5
77	31.1	25.0	37.6

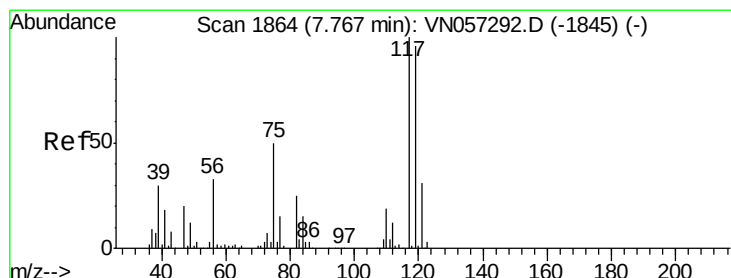
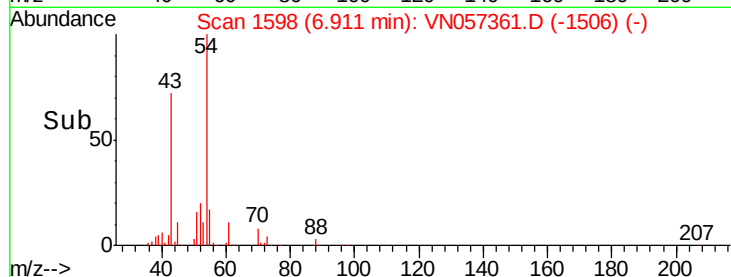
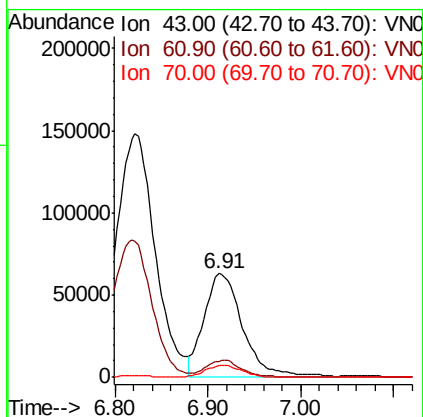
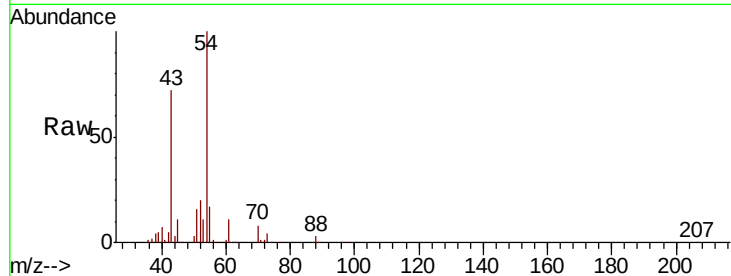




#37
 Ethyl Acetate
 Concen: 19.381 ug/l
 RT: 6.91 min Scan# 1598
 Delta R.T. -0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

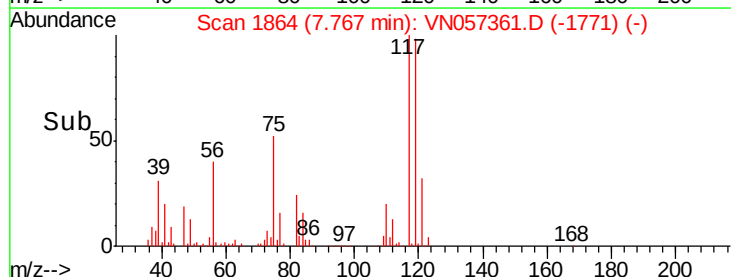
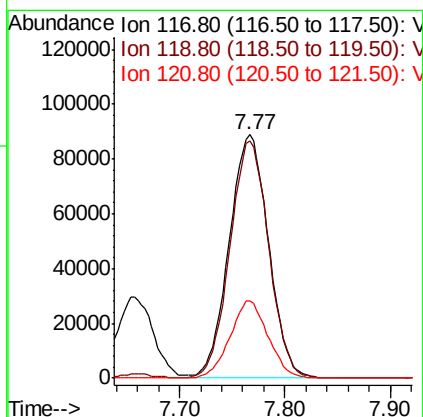
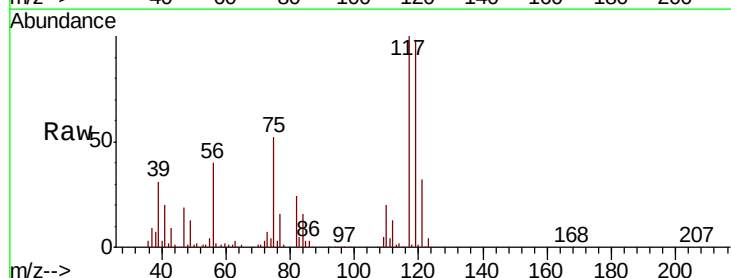
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

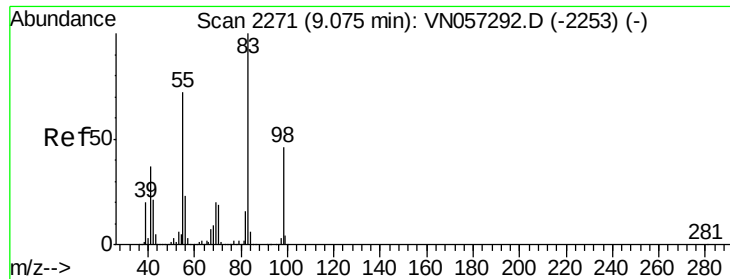
Tgt Ion: 43 Resp: 179840
 Ion Ratio Lower Upper
 43 100
 61 14.8 12.0 18.0
 70 11.2 9.2 13.8



#38
 Carbon Tetrachloride
 Concen: 19.441 ug/l
 RT: 7.77 min Scan# 1864
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 117 Resp: 228843
 Ion Ratio Lower Upper
 117 100
 119 97.8 76.8 115.2
 121 31.7 25.0 37.4

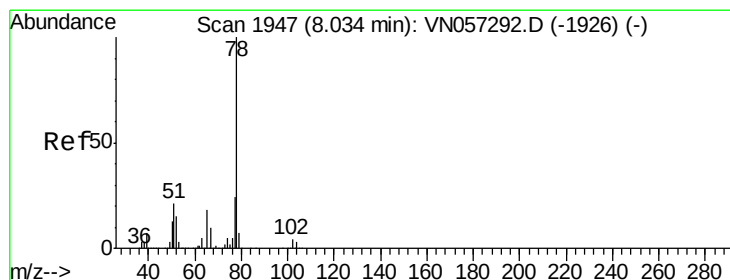
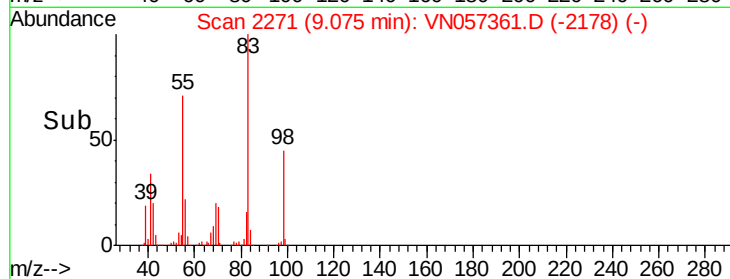
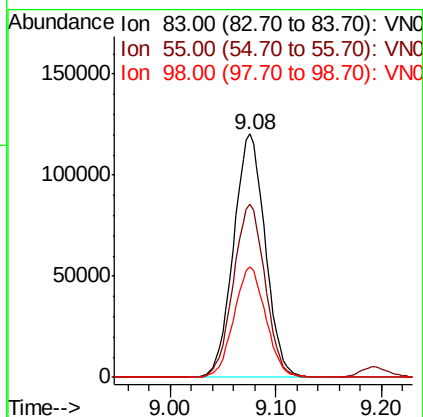
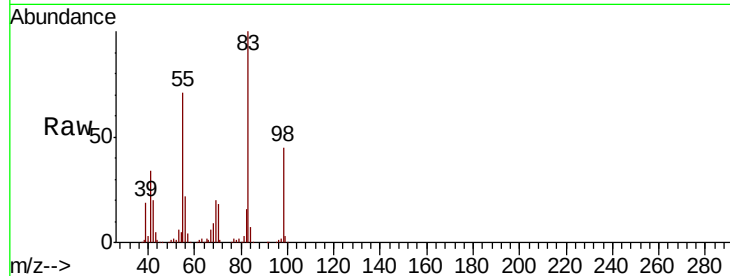




#39
Methylcyclohexane
Concen: 18.961 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

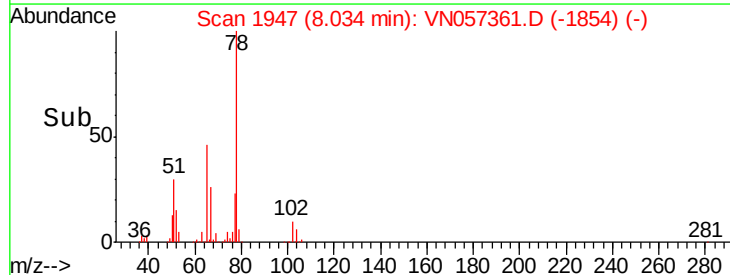
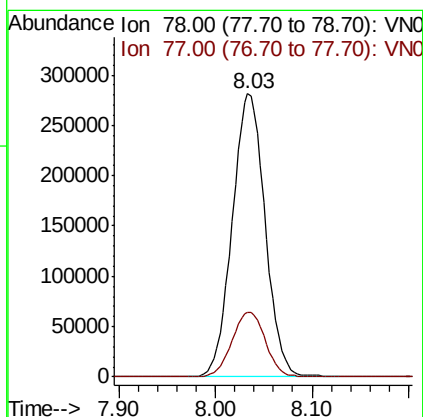
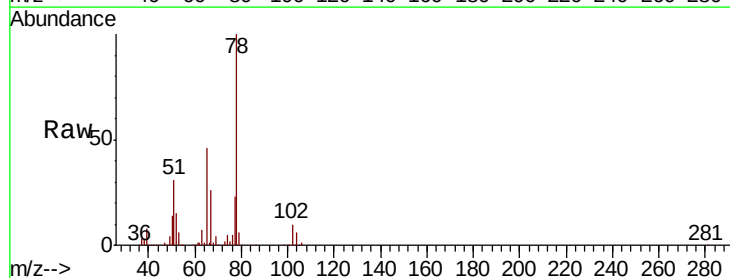
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBS01

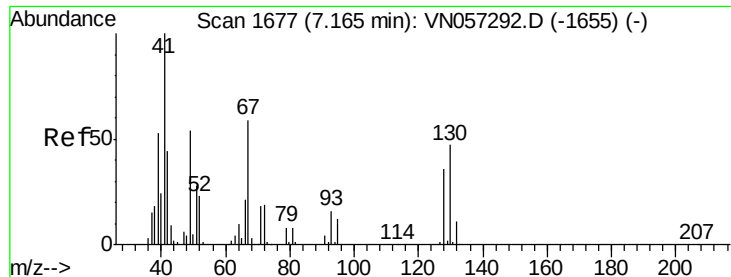
Tgt Ion: 83 Resp: 250826
Ion Ratio Lower Upper
83 100
55 71.1 57.5 86.3
98 45.4 36.6 55.0



#40
Benzene
Concen: 19.144 ug/l
RT: 8.03 min Scan# 1947
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Tgt Ion: 78 Resp: 663371
Ion Ratio Lower Upper
78 100
77 22.8 19.1 28.7





#41

Methacrylonitrile

Concen: 19.925 ug/l

RT: 7.16 min Scan# 1676

Delta R.T. -0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

Tgt Ion: 41 Resp: 83259

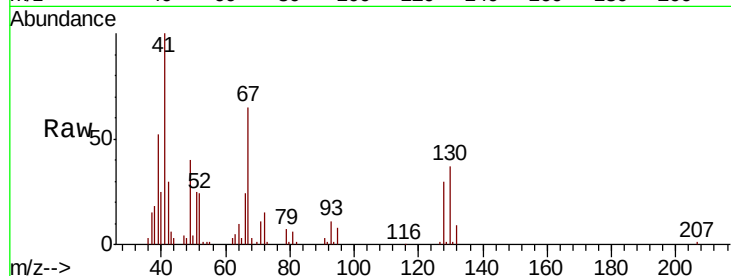
Ion Ratio Lower Upper

41 100

39 53.4 0.0 0.0#

67 97.8 0.0 0.0#

52 37.1 0.0 0.0#



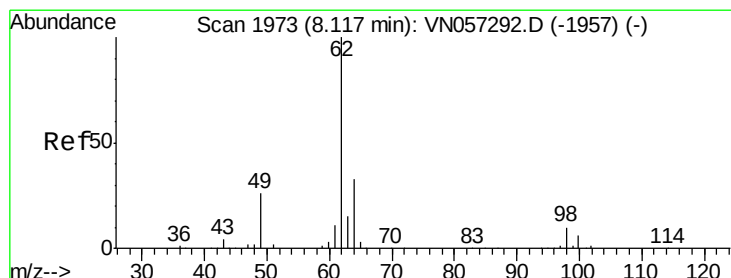
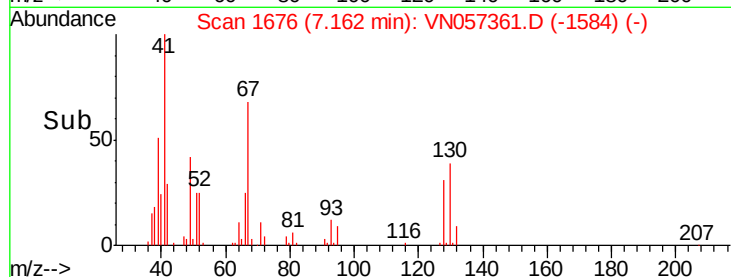
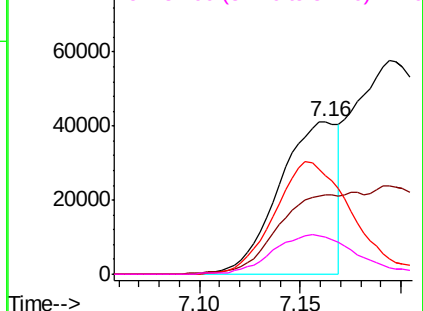
Abundance

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 18.869 ug/l

RT: 8.12 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VN057361.D

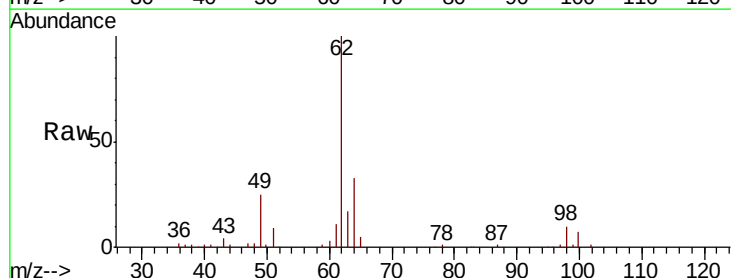
Acq: 16 Aug 2019 18:22

Tgt Ion: 62 Resp: 216395

Ion Ratio Lower Upper

62 100

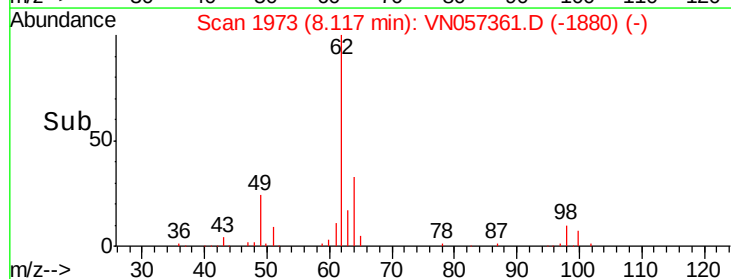
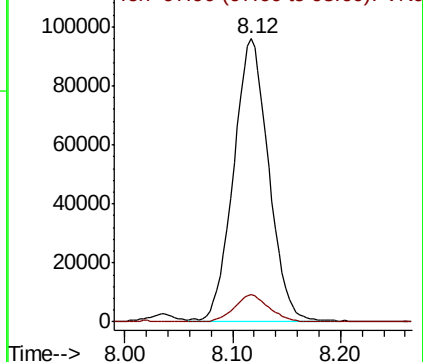
98 9.5 0.0 19.4

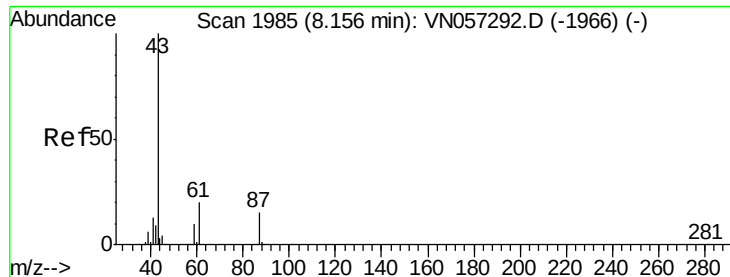


Abundance

Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 17.354 ug/l

RT: 8.16 min Scan# 1985

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

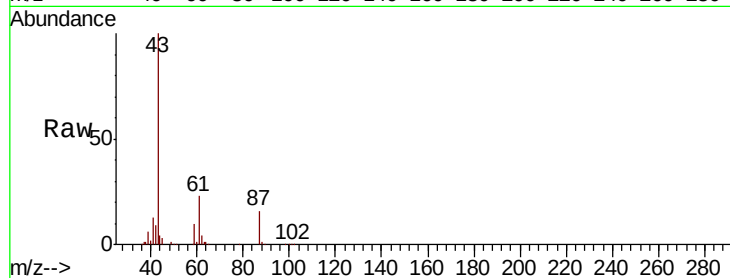
Tgt Ion: 43 Resp: 306983

Ion Ratio Lower Upper

43 100

61 28.8 21.6 32.4

87 15.4 11.4 17.0

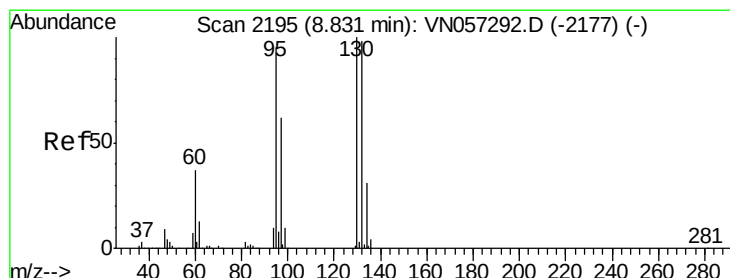
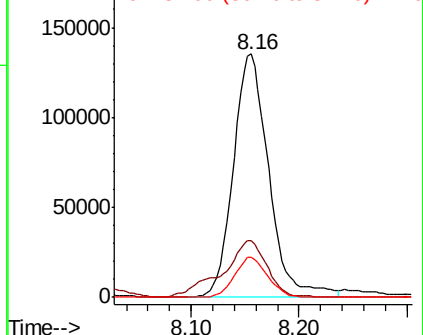
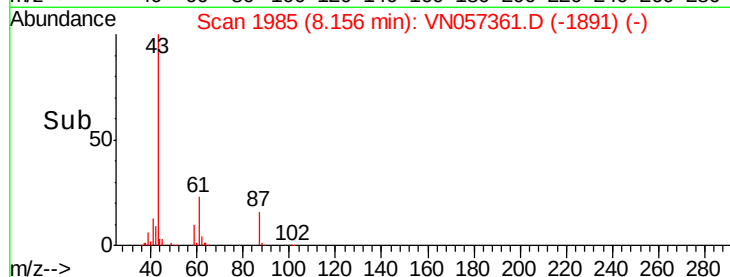


Abundance Ion 43.00 (42.70 to 43.70): VN057292.D (-1966) (-)

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

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

Time-->



#44

Trichloroethene

Concen: 19.720 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. 0.00 min

Lab File: VN057361.D

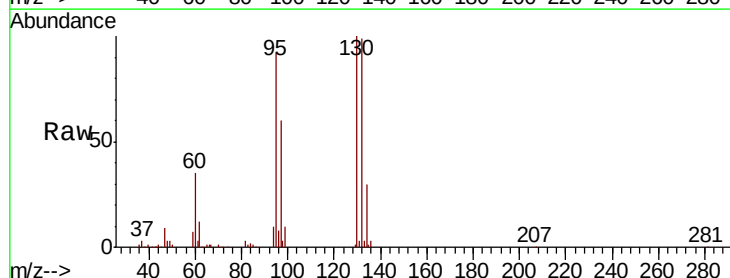
Acq: 16 Aug 2019 18:22

Tgt Ion: 130 Resp: 192108

Ion Ratio Lower Upper

130 100

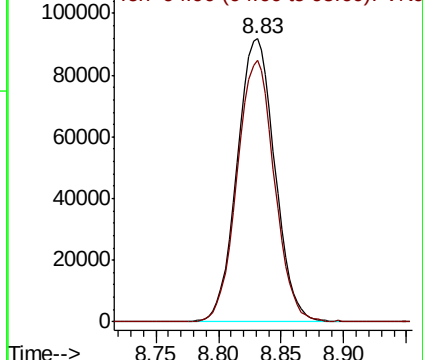
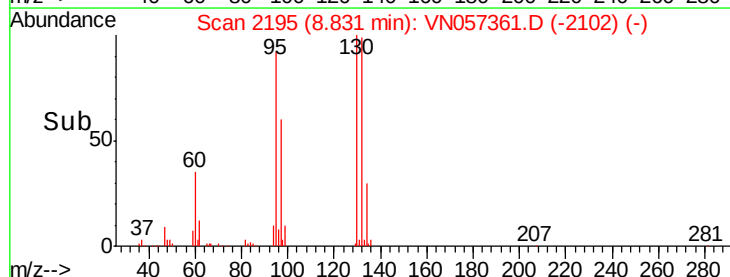
95 92.2 0.0 189.2

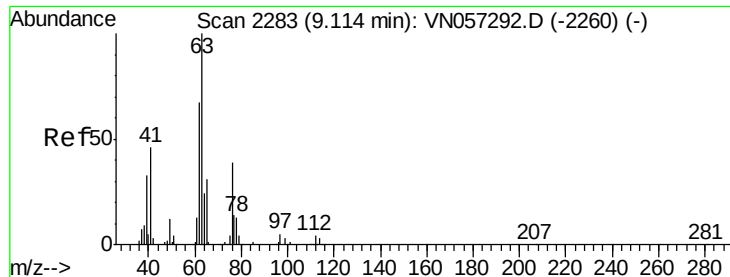


Abundance Ion 129.80 (129.50 to 130.50): VN057292.D (-2177) (-)

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

Time-->

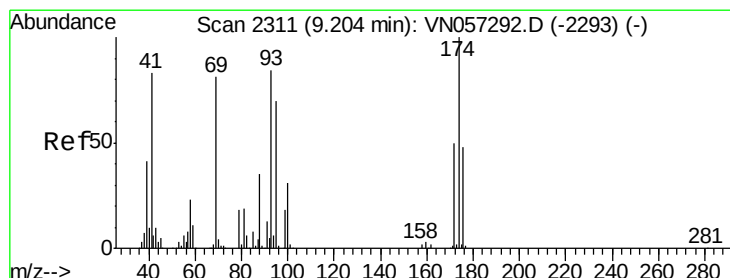
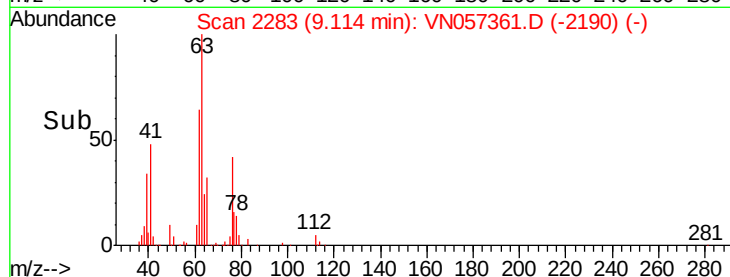
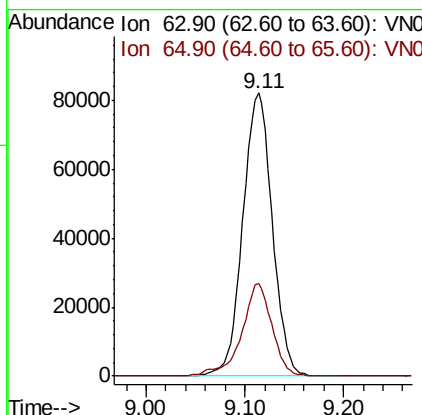
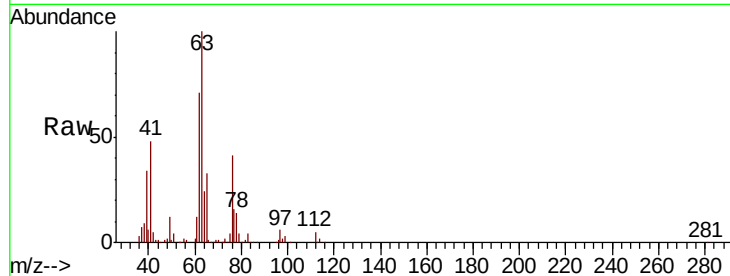




#45
 1,2-Dichloropropane
 Concen: 18.971 ug/l
 RT: 9.11 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

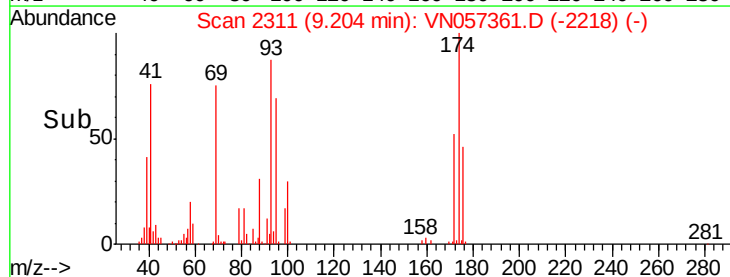
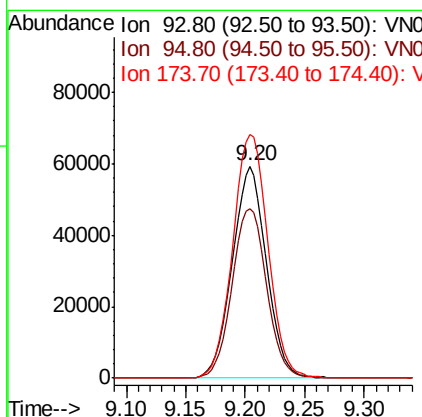
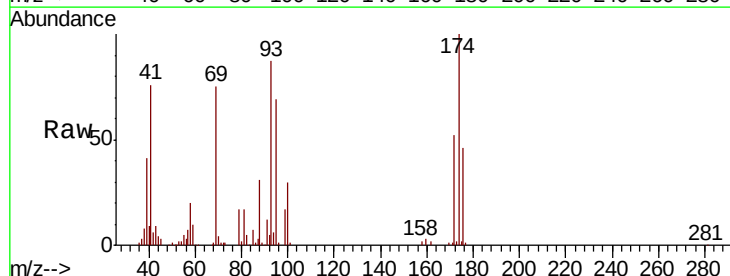
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

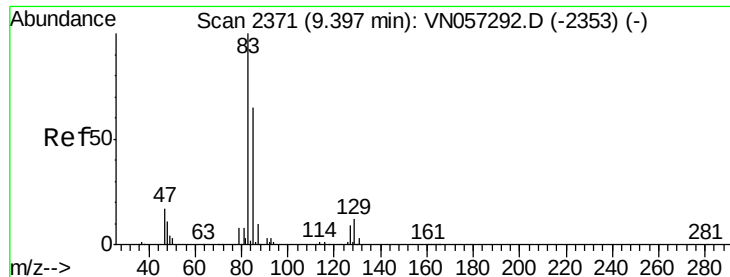
Tgt Ion: 63 Resp: 169443
 Ion Ratio Lower Upper
 63 100
 65 32.9 24.8 37.2



#46
 Dibromomethane
 Concen: 19.770 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 93 Resp: 117800
 Ion Ratio Lower Upper
 93 100
 95 81.0 66.5 99.7
 174 118.8 95.7 143.5





#47

Bromodichloromethane

Concen: 19.061 ug/l

RT: 9.40 min Scan# 2371

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

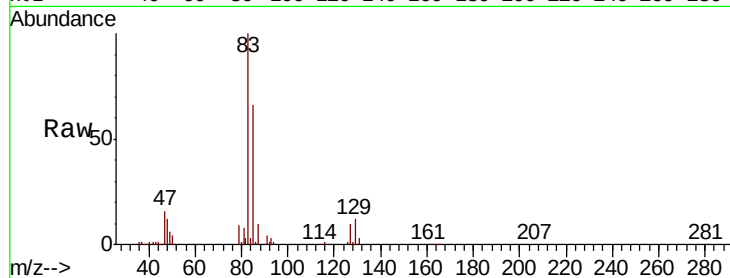
Tgt Ion: 83 Resp: 225030

Ion Ratio Lower Upper

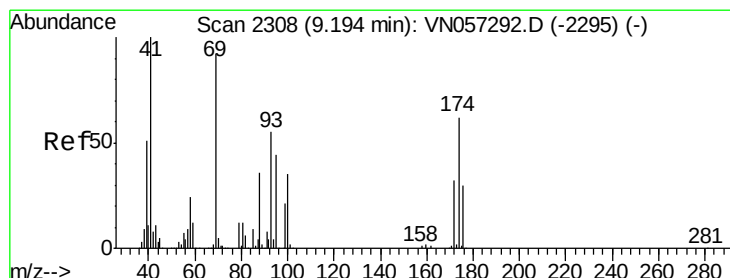
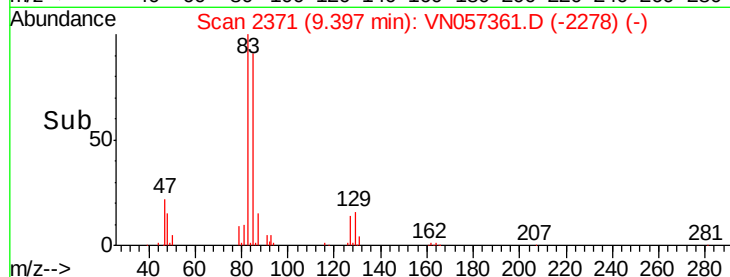
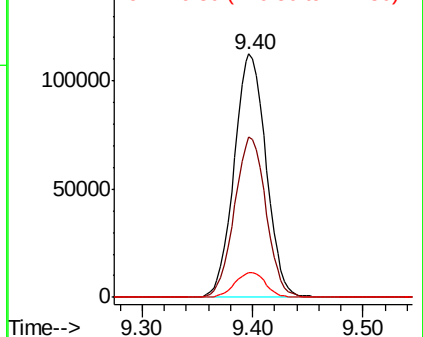
83 100

85 65.8 51.9 77.9

127 10.1 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): V



#48

Methyl methacrylate

Concen: 18.886 ug/l

RT: 9.19 min Scan# 2308

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

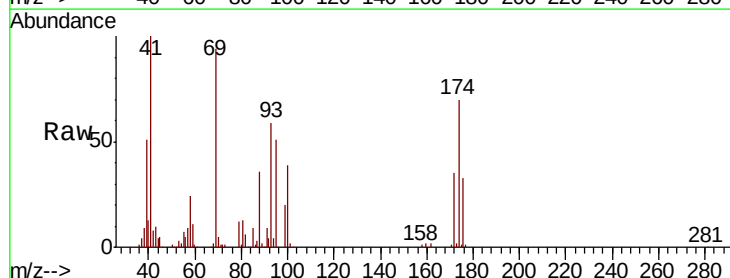
Tgt Ion: 41 Resp: 144308

Ion Ratio Lower Upper

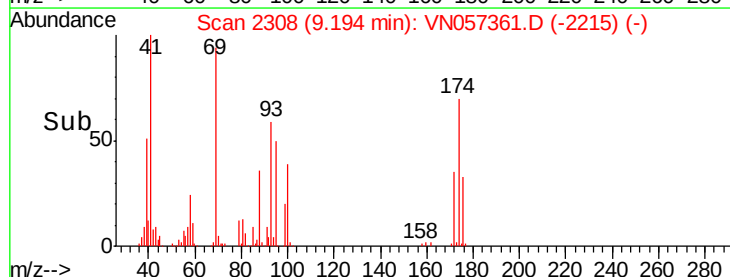
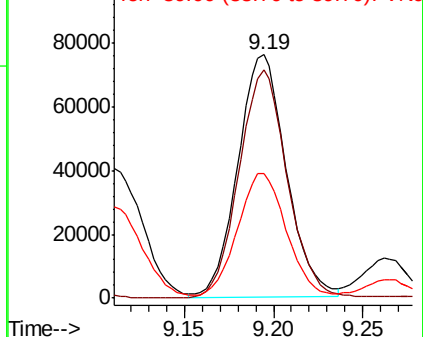
41 100

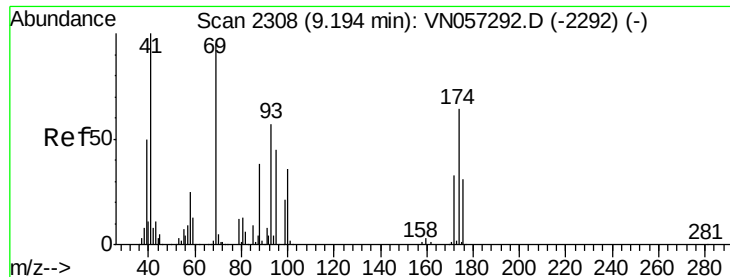
69 94.1 75.9 113.9

39 52.1 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

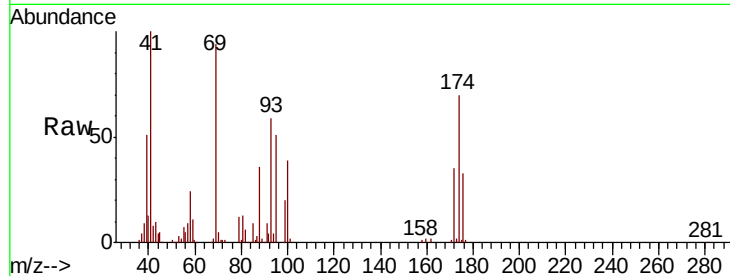




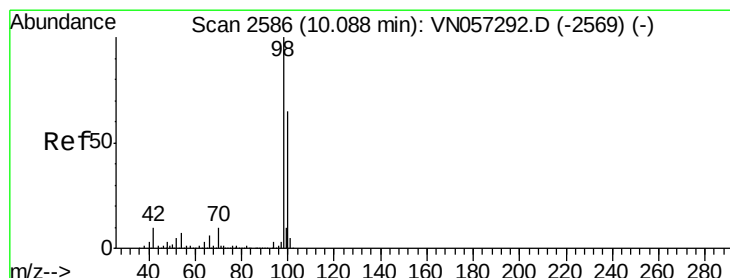
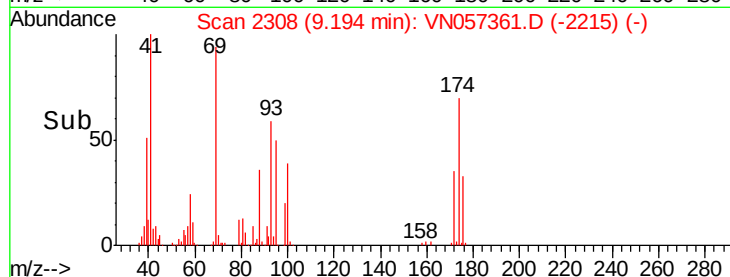
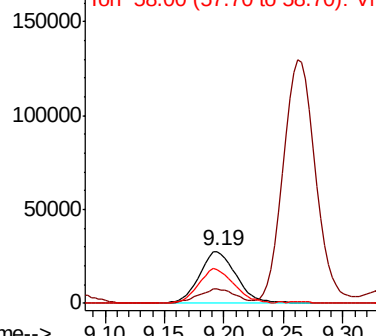
#49
1,4-Dioxane
Concen: 371.286 ug/l
RT: 9.19 min Scan# 2308
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Instrument :
MSVOA_N
ClientSampled :
VN0818WBS01

Tgt Ion: 88 Resp: 59661
Ion Ratio Lower Upper
88 100
43 27.1 22.9 34.3
58 64.7 52.7 79.1

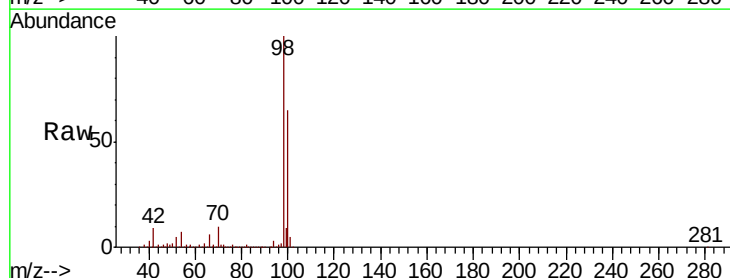


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

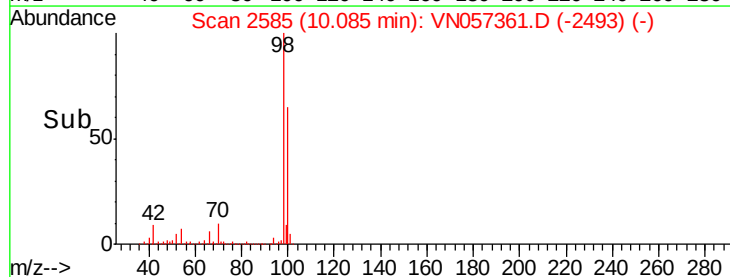
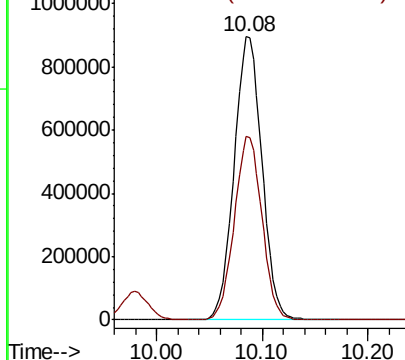


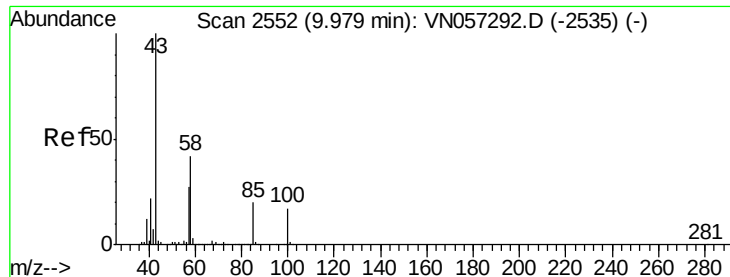
#50
Toluene-d8
Concen: 53.074 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Tgt Ion: 98 Resp: 1632758
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

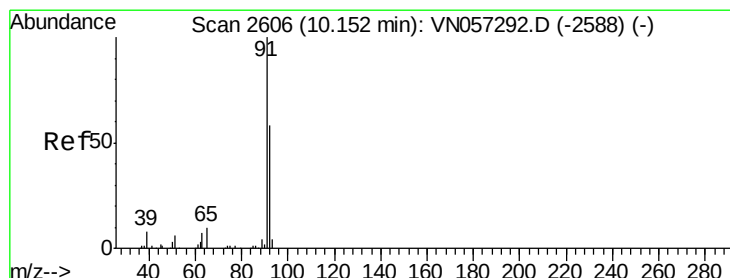
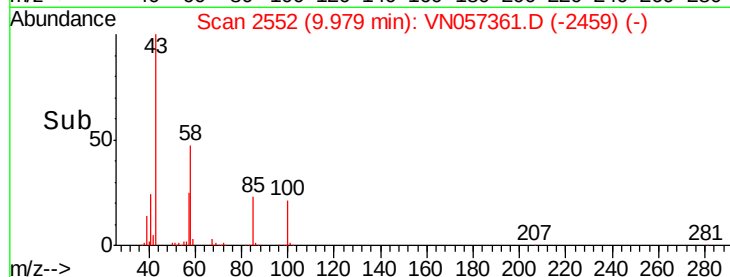
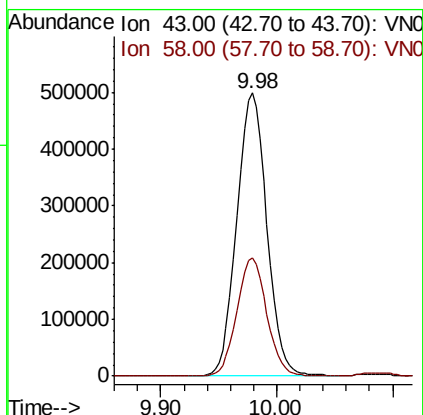
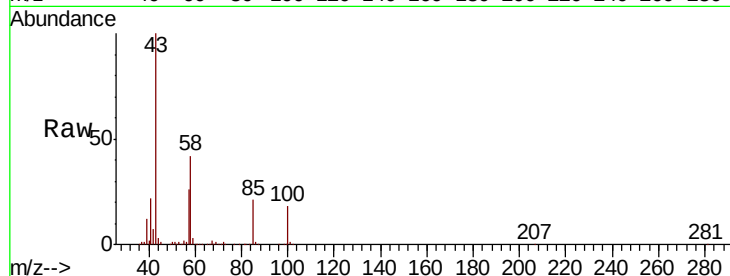




#51
 4-Methyl-2-Pentanone
 Concen: 93.605 ug/l
 RT: 9.98 min Scan# 2552
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

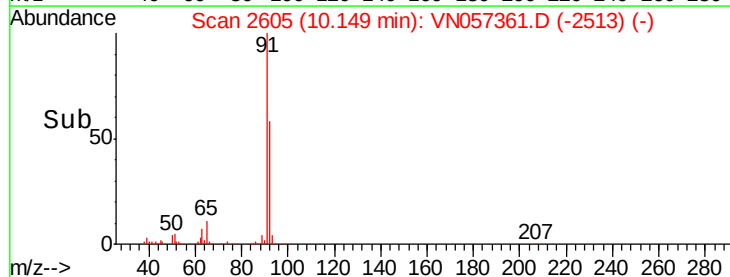
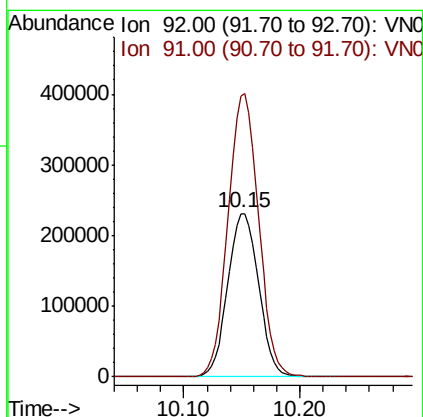
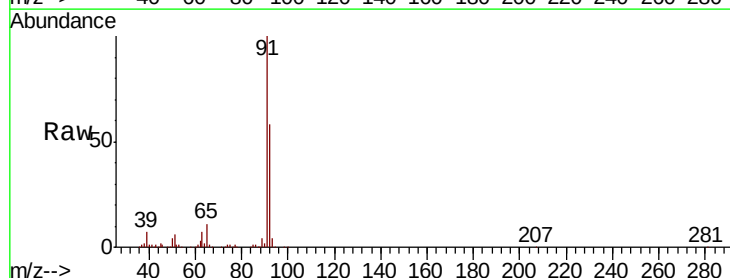
Instrument :
 MSVOA_N
 ClientSampled :
 VN0818WBS01

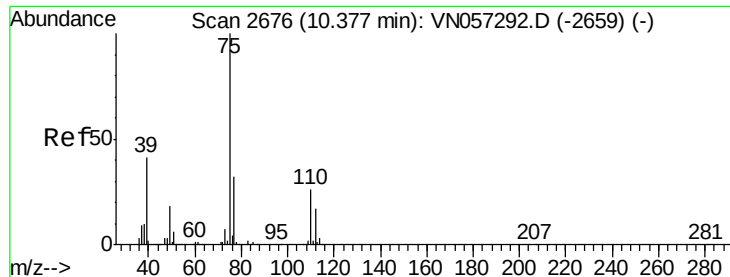
Tgt Ion: 43 Resp: 896045
 Ion Ratio Lower Upper
 43 100
 58 41.6 33.2 49.8



#52
 Toluene
 Concen: 19.723 ug/l
 RT: 10.15 min Scan# 2605
 Delta R.T. -0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 92 Resp: 425390
 Ion Ratio Lower Upper
 92 100
 91 171.5 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.194 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

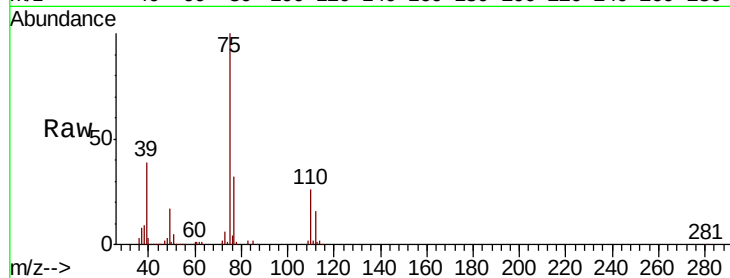
VN0818WBS01

Tgt Ion: 75 Resp: 245107

Ion Ratio Lower Upper

75 100

77 31.7 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

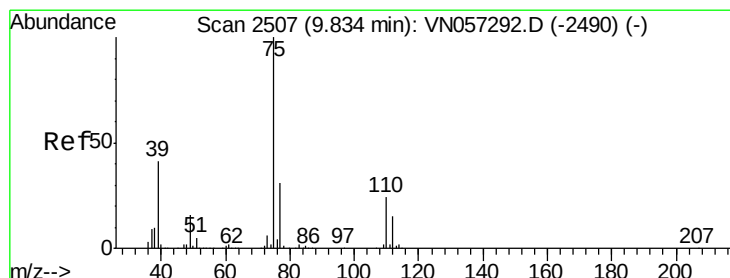
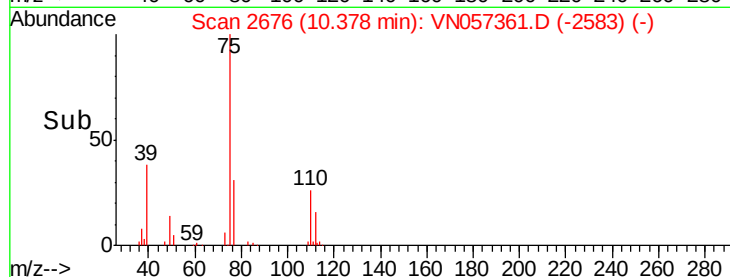
150000

100000

50000

0

Time-->



#54

cis-1,3-Dichloropropene

Concen: 19.262 ug/l

RT: 9.83 min Scan# 2507

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

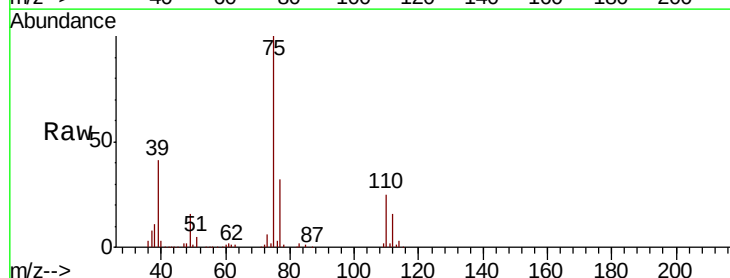
Tgt Ion: 75 Resp: 271249

Ion Ratio Lower Upper

75 100

77 32.1 24.9 37.3

39 40.6 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

9.83

200000

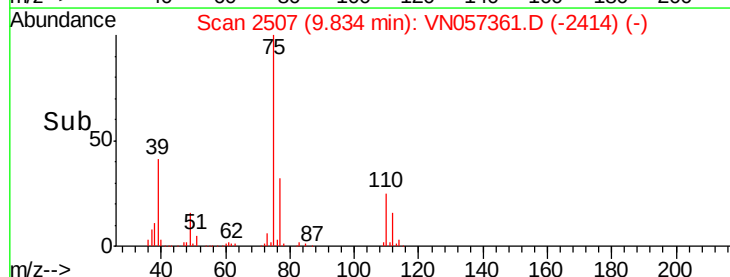
150000

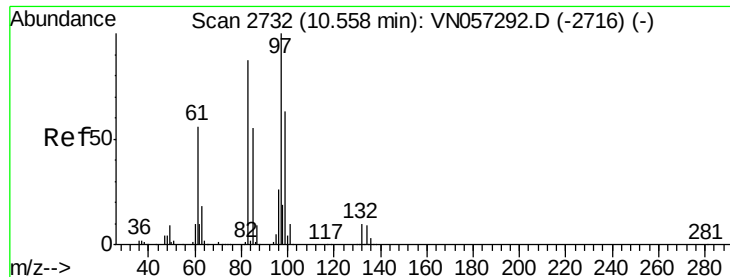
100000

50000

0

Time-->





#55

1,1,2-Trichloroethane

Concen: 19.839 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

Tgt Ion: 97 Resp: 168254

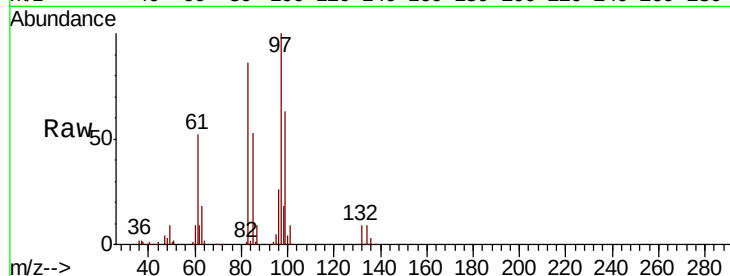
Ion Ratio Lower Upper

97 100

83 86.0 69.8 104.8

85 53.4 44.1 66.1

99 62.7 50.2 75.2

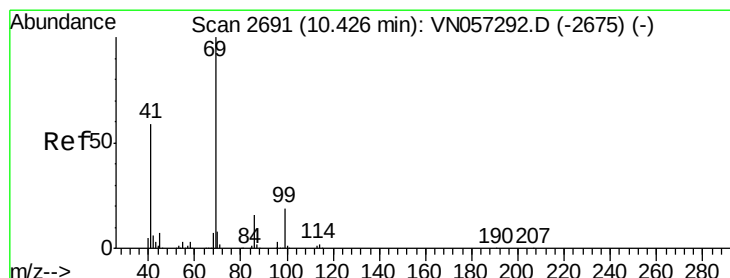
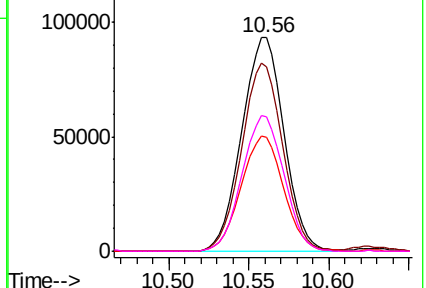
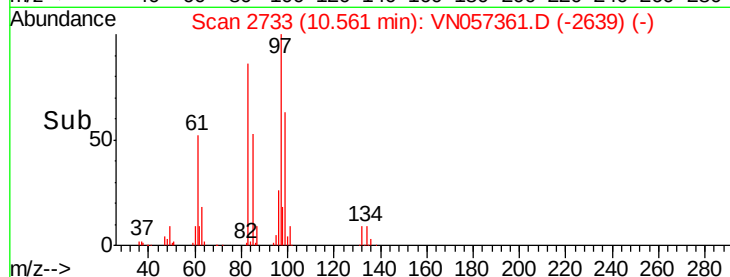


Abundance Ion 96.90 (96.60 to 97.60): VNO

Ion 82.90 (82.60 to 83.60): VNO

Ion 84.90 (84.60 to 85.60): VNO

Ion 98.90 (98.60 to 99.60): VNO



#56

Ethyl methacrylate

Concen: 19.125 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

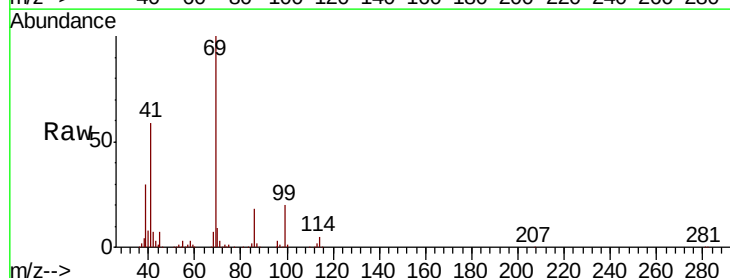
Tgt Ion: 69 Resp: 236698

Ion Ratio Lower Upper

69 100

41 57.7 48.2 72.2

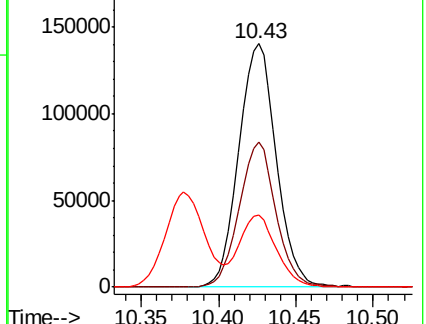
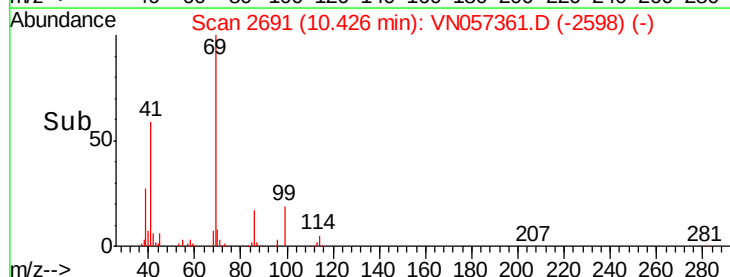
39 29.0 23.4 35.0

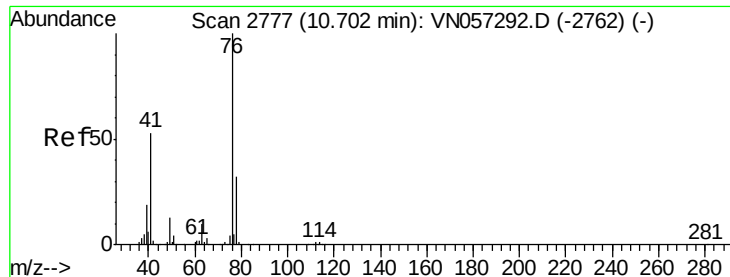


Abundance Ion 69.00 (68.70 to 69.70): VNO

Ion 41.00 (40.70 to 41.70): VNO

Ion 39.00 (38.70 to 39.70): VNO





#57

1,3-Dichloropropane

Concen: 19.188 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

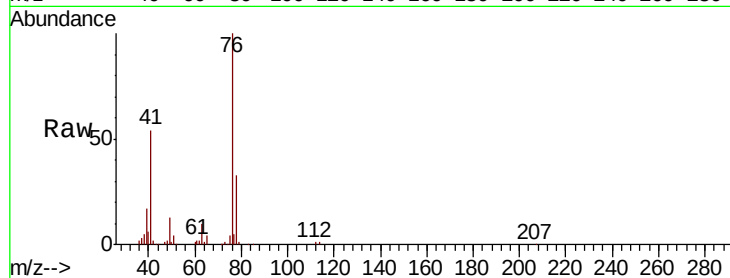
VN0818WBS01

Tgt Ion: 76 Resp: 271860

Ion Ratio Lower Upper

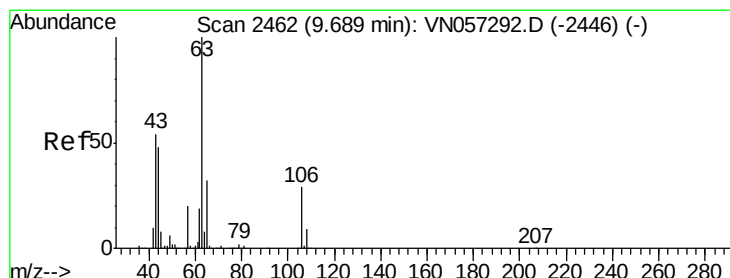
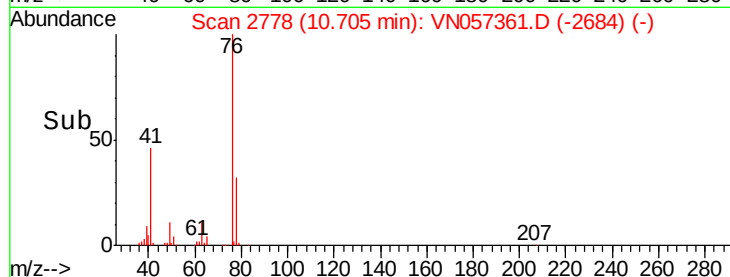
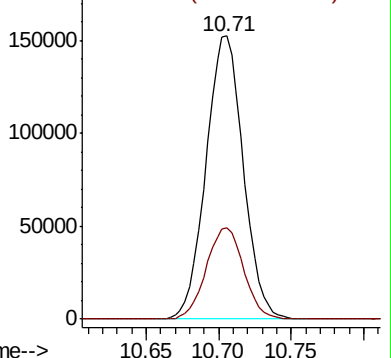
76 100

78 32.5 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: 79.934 ug/l

RT: 9.69 min Scan# 2462

Delta R.T. 0.00 min

Lab File: VN057361.D

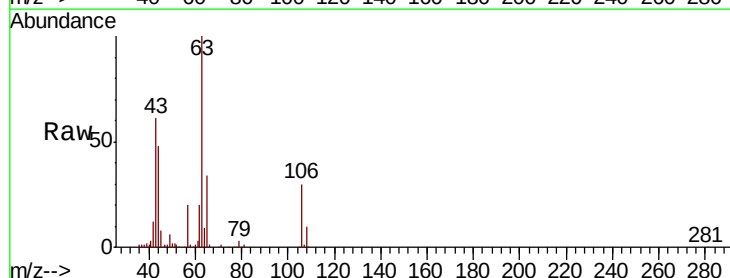
Acq: 16 Aug 2019 18:22

Tgt Ion: 63 Resp: 248941

Ion Ratio Lower Upper

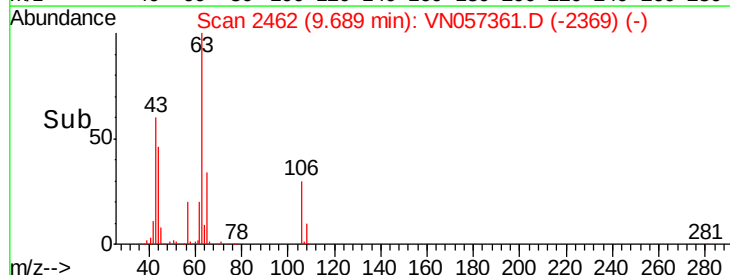
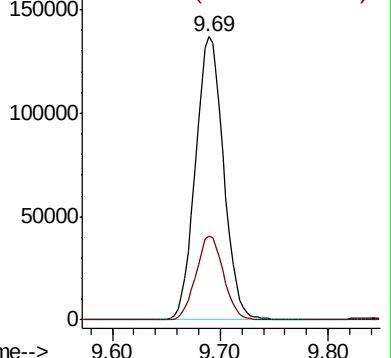
63 100

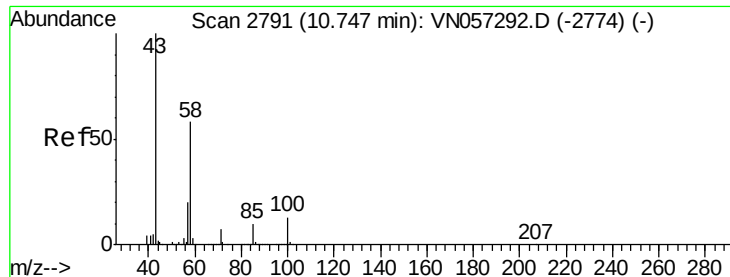
106 29.2 23.2 34.8



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

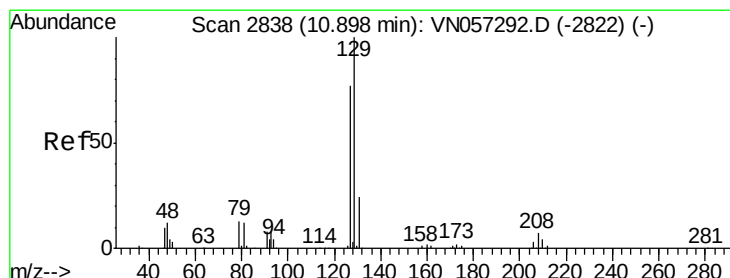
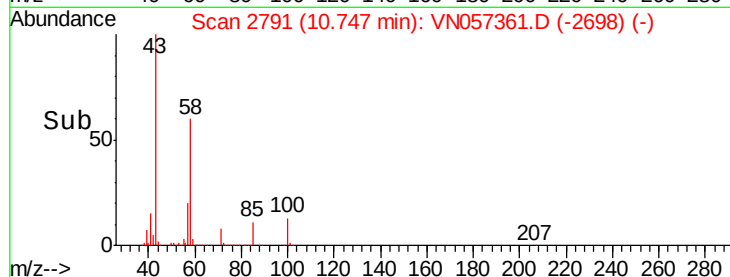
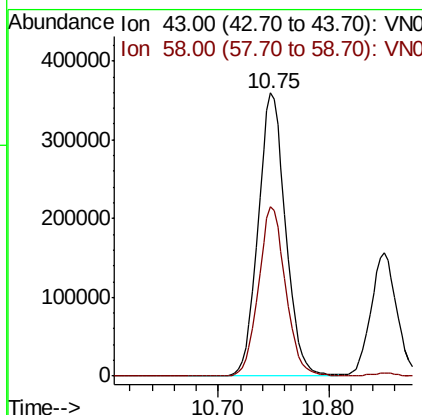
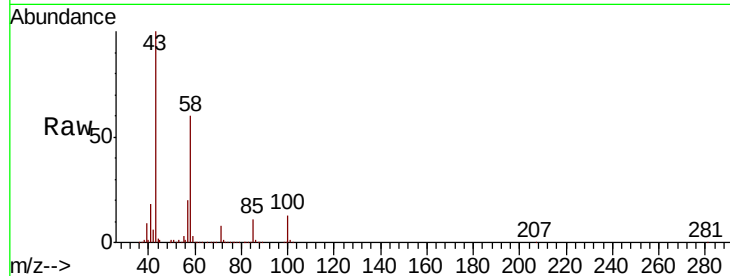




#59
2-Hexanone
Concen: 89.902 ug/l
RT: 10.75 min Scan# 2791
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

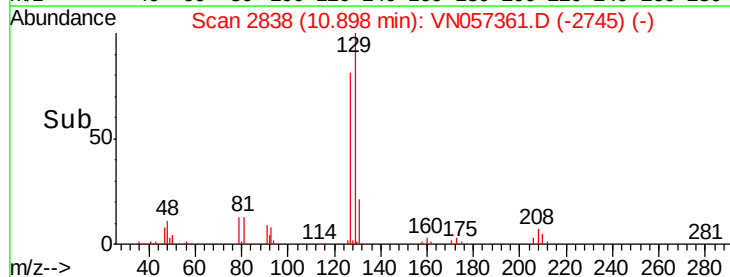
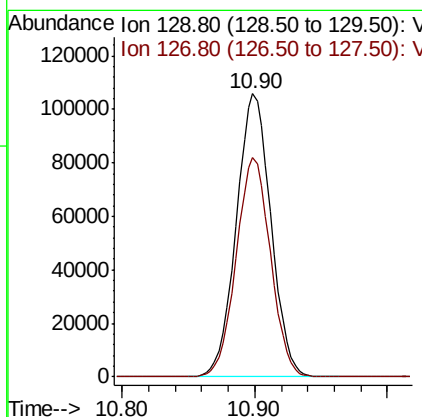
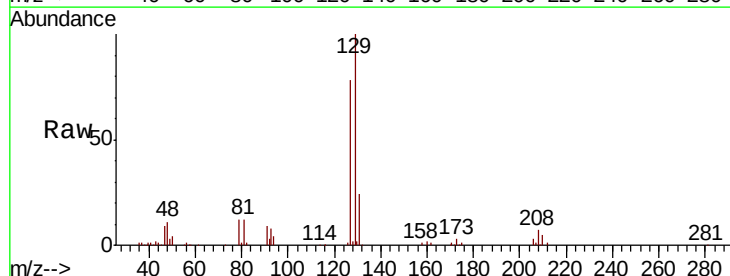
Instrument :
MSVOA_N
ClientSampleId :
VN0818WBS01

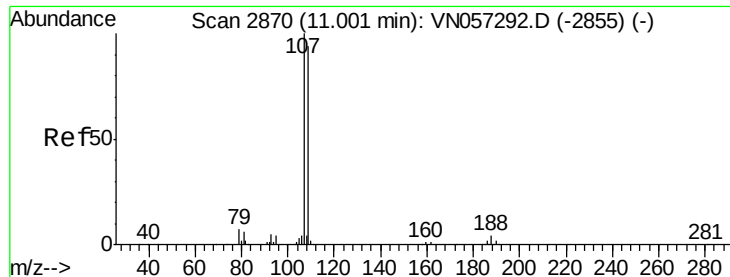
Tgt Ion: 43 Resp: 618706
Ion Ratio Lower Upper
43 100
58 59.1 28.6 85.9



#60
Dibromochloromethane
Concen: 20.144 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Tgt Ion: 129 Resp: 191453
Ion Ratio Lower Upper
129 100
127 76.8 39.0 116.9

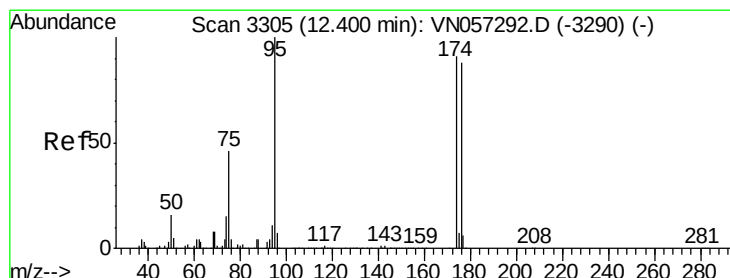
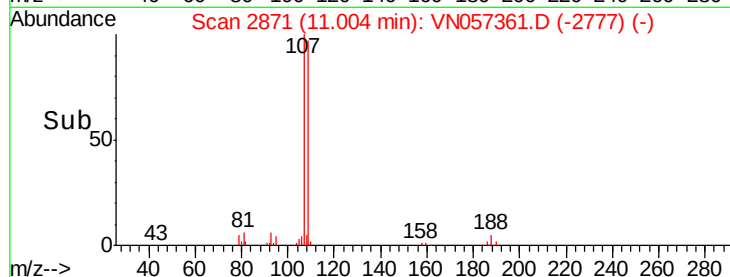
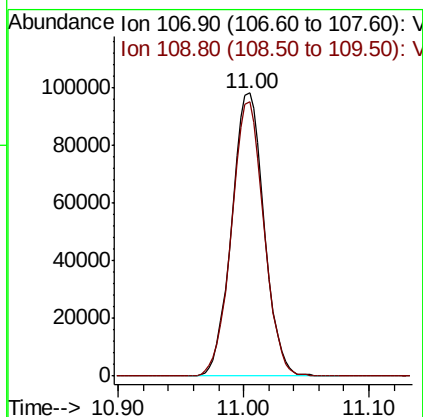
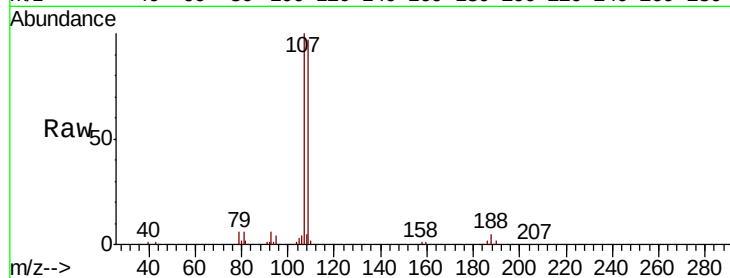




#61
 1,2-Dibromoethane
 Concen: 19.535 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

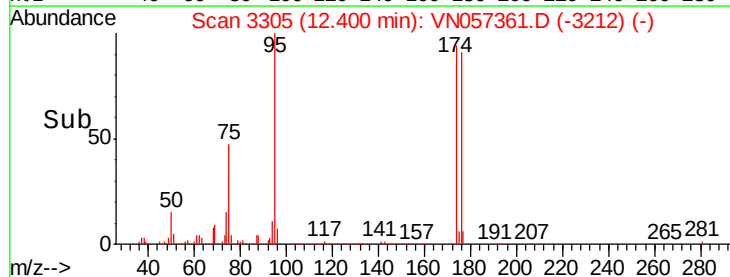
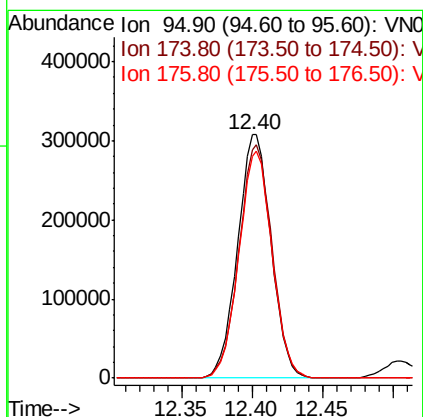
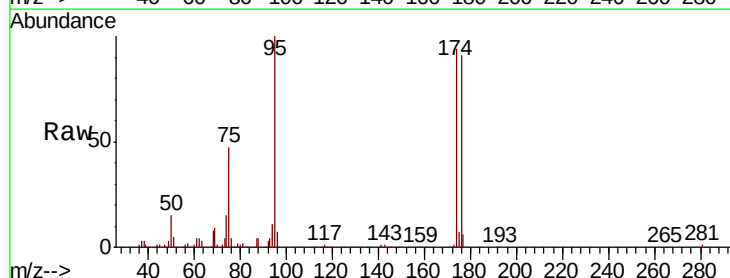
Instrument :
 MSVOA_N
 ClientSampled :
 VN0818WBS01

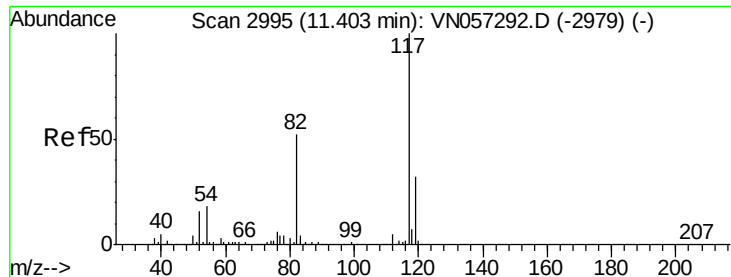
Tgt Ion: 107 Resp: 176483
 Ion Ratio Lower Upper
 107 100
 109 96.7 75.7 113.5



#62
 4-Bromofluorobenzene
 Concen: 47.007 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 95 Resp: 511041
 Ion Ratio Lower Upper
 95 100
 174 95.2 0.0 185.0
 176 92.6 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: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

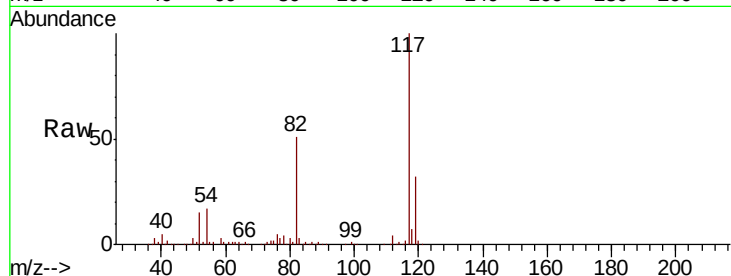
Tgt Ion:117 Resp: 1130108

Ion Ratio Lower Upper

117 100

82 51.0 41.2 61.8

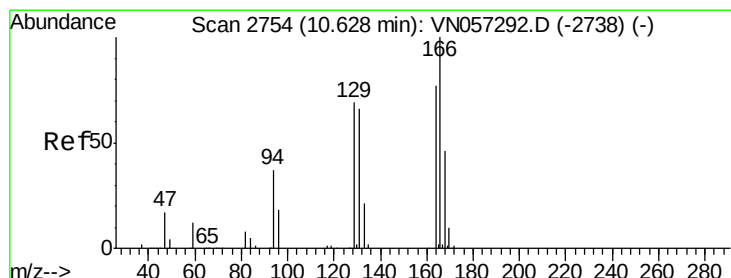
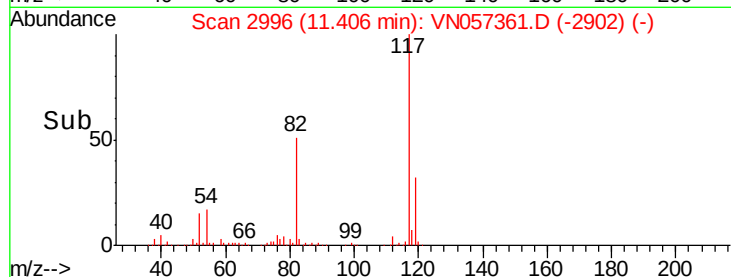
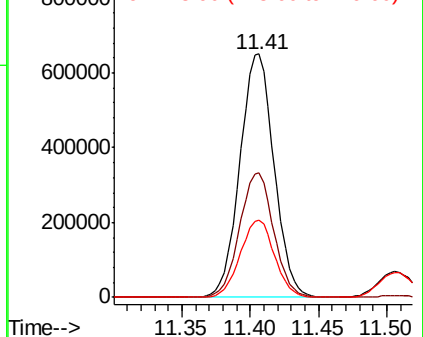
119 32.0 25.8 38.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN

Ion 118.90 (118.60 to 119.60): V



#64

Tetrachloroethene

Concen: 20.547 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Tgt Ion:164 Resp: 200738

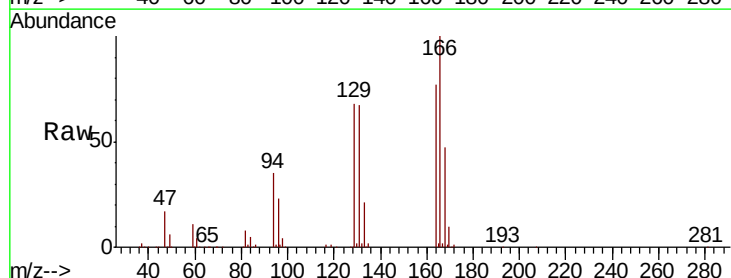
Ion Ratio Lower Upper

164 100

166 130.0 103.5 155.3

129 88.8 71.2 106.8

131 87.0 68.2 102.4

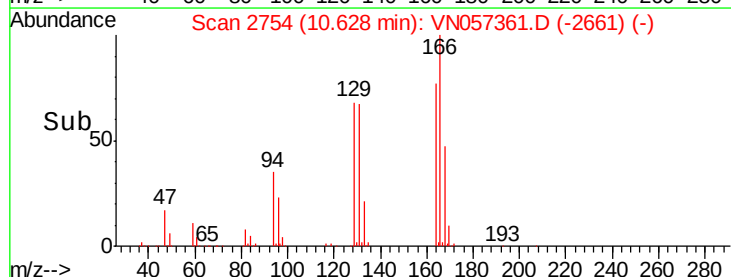
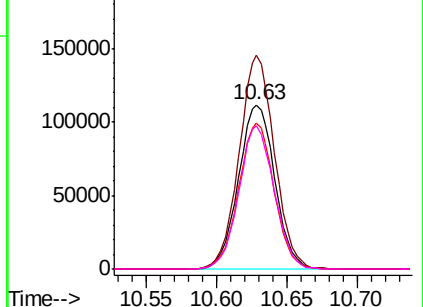


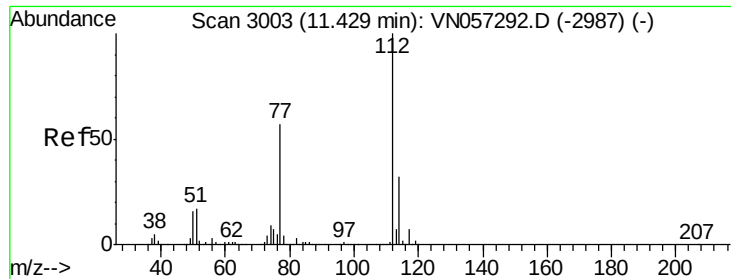
Abundance Ion 163.80 (163.50 to 164.50): V

Ion 165.80 (165.50 to 166.50): V

Ion 128.80 (128.50 to 129.50): V

Ion 130.80 (130.50 to 131.50): V

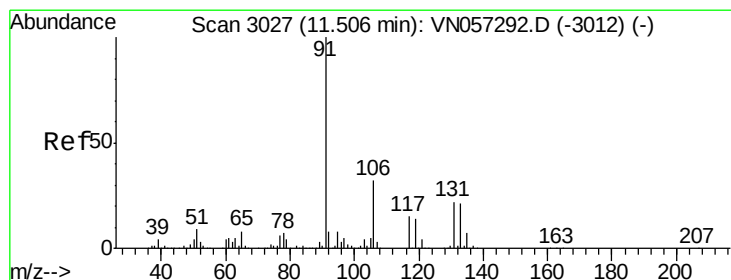
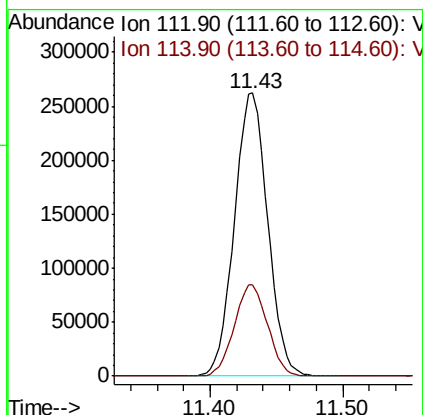
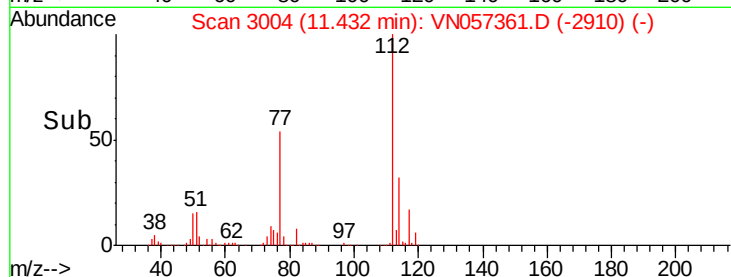
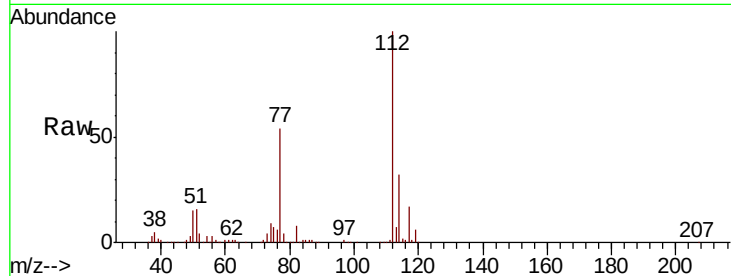




#65
Chlorobenzene
Concen: 19.831 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

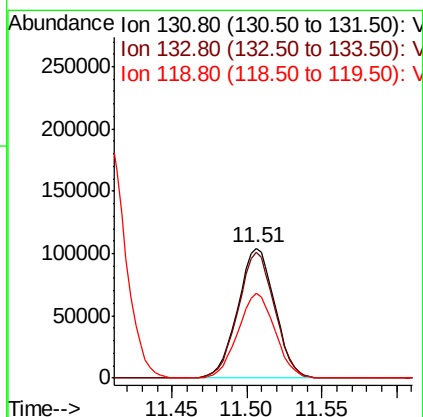
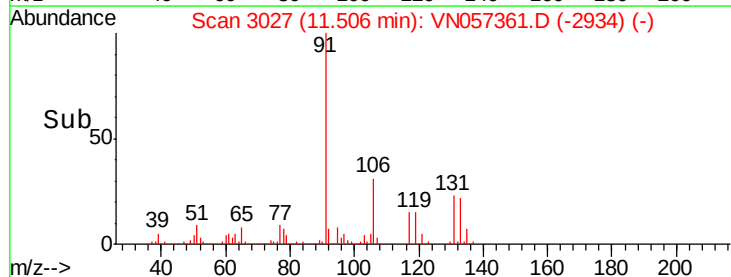
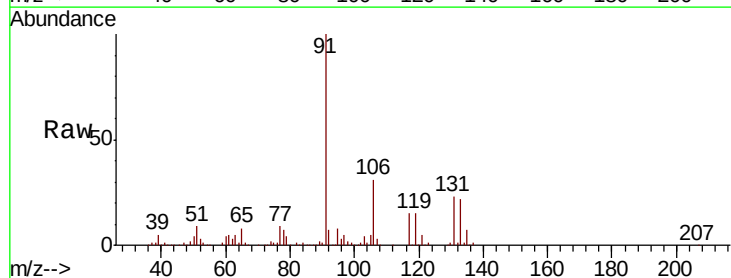
Instrument :
MSVOA_N
ClientSampled :
VN0818WBS01

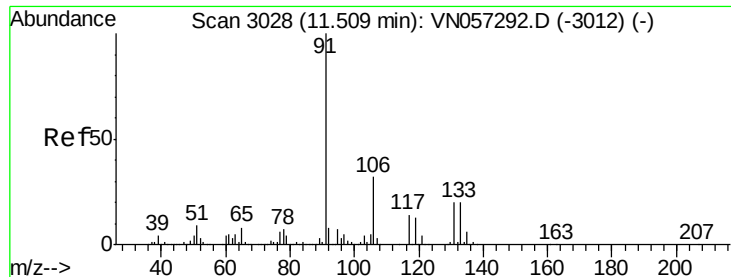
Tgt Ion:112 Resp: 457092
Ion Ratio Lower Upper
112 100
114 32.1 25.7 38.5



#66
1,1,1,2-Tetrachloroethane
Concen: 20.394 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN057361.D
Acq: 16 Aug 2019 18:22

Tgt Ion:131 Resp: 180021
Ion Ratio Lower Upper
131 100
133 95.5 47.6 142.8
119 64.9 32.0 96.2





#67

Ethyl Benzene

Concen: 19.542 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

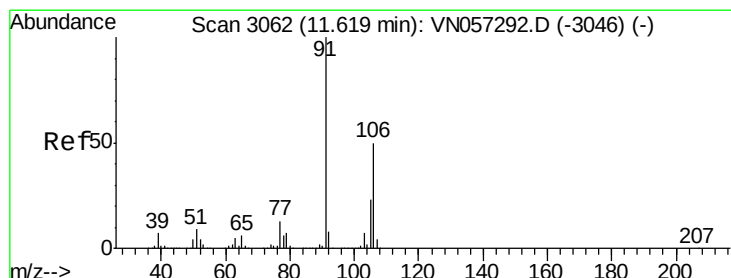
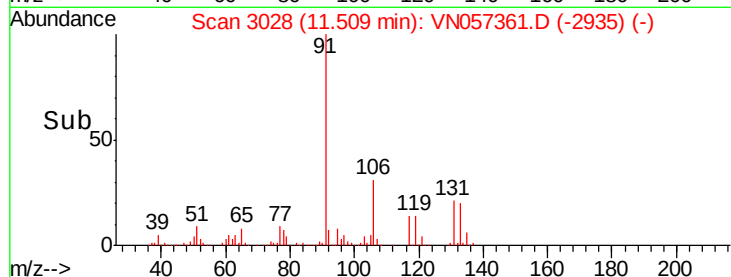
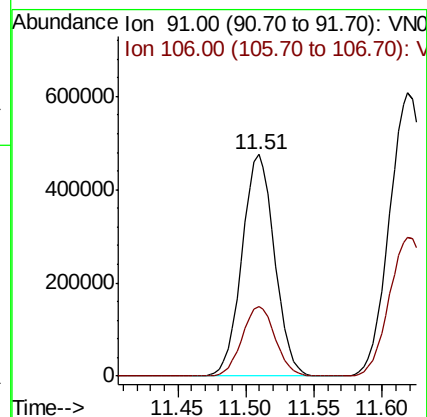
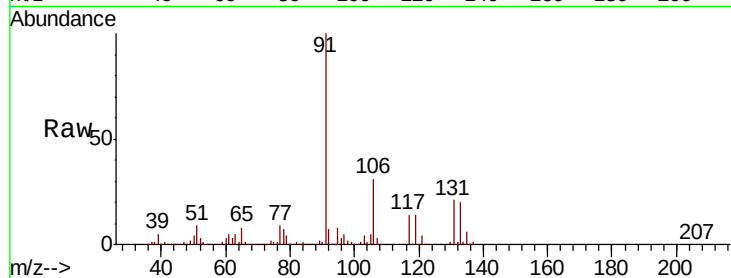
VN0818WBS01

Tgt Ion: 91 Resp: 788033

Ion Ratio Lower Upper

91 100

106 31.4 25.5 38.3



#68

m/p-Xylenes

Concen: 39.274 ug/l

RT: 11.62 min Scan# 3062

Delta R.T. 0.00 min

Lab File: VN057361.D

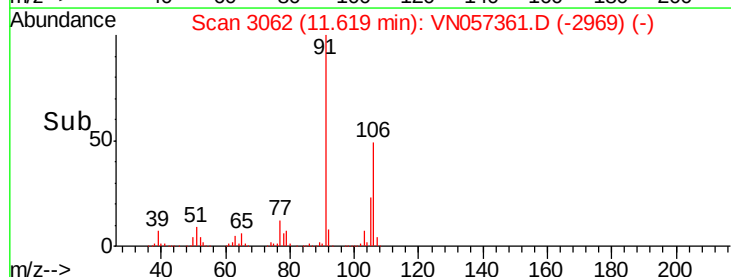
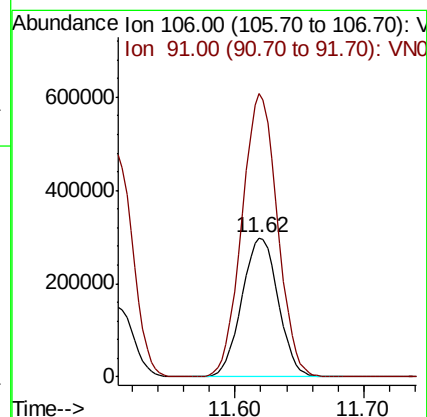
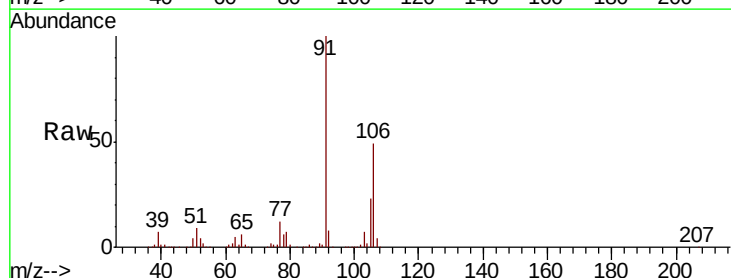
Acq: 16 Aug 2019 18:22

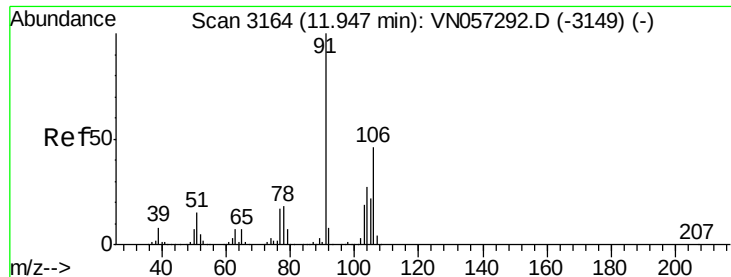
Tgt Ion: 106 Resp: 583508

Ion Ratio Lower Upper

106 100

91 198.9 161.5 242.3





#69

o-Xylene

Concen: 19.798 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

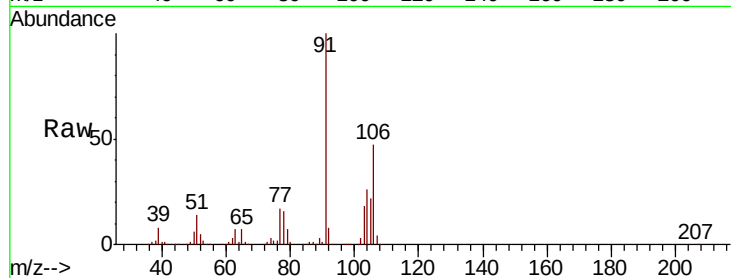
VN0818WBS01

Tgt Ion:106 Resp: 288807

Ion Ratio Lower Upper

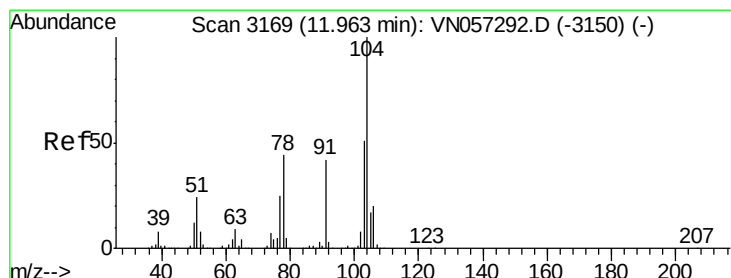
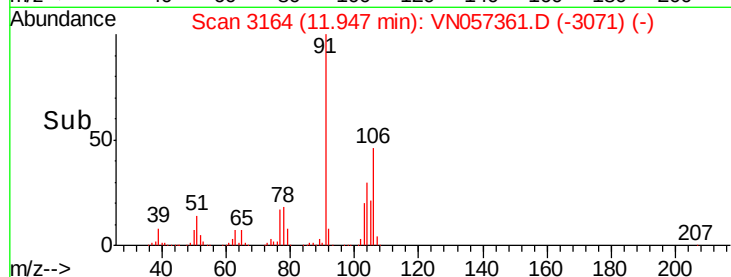
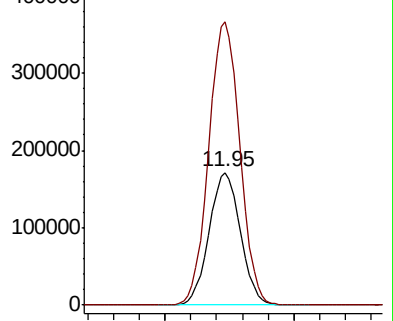
106 100

91 212.7 106.3 319.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#70

Styrene

Concen: 19.460 ug/l

RT: 11.96 min Scan# 3169

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

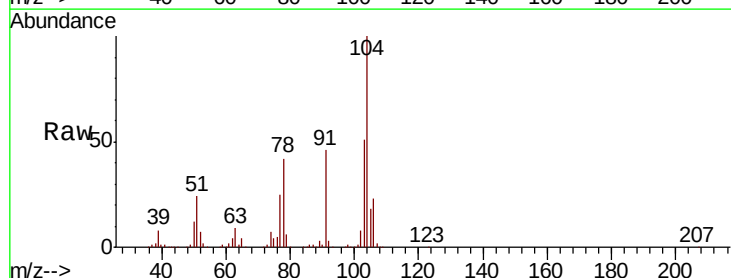
Tgt Ion:104 Resp: 452515

Ion Ratio Lower Upper

104 100

78 48.2 39.2 58.8

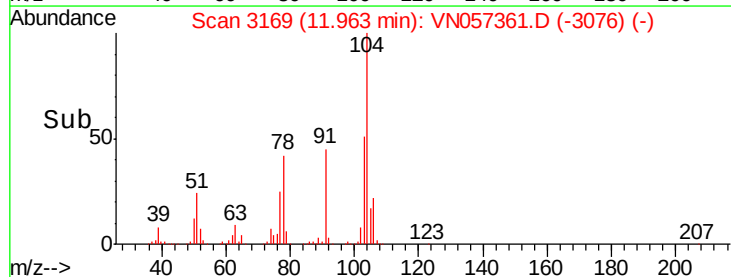
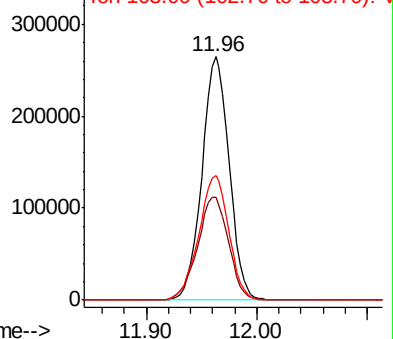
103 56.6 44.6 66.8

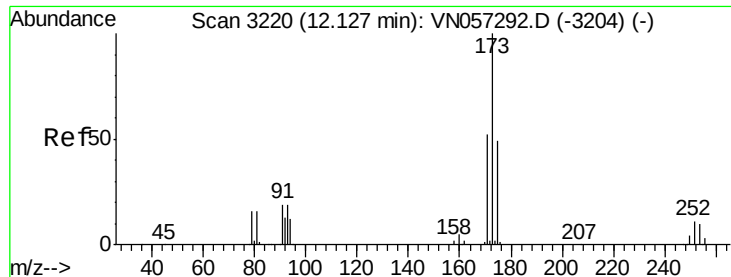


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN

Ion 103.00 (102.70 to 103.70): V





#71

Bromoform

Concen: 20.128 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

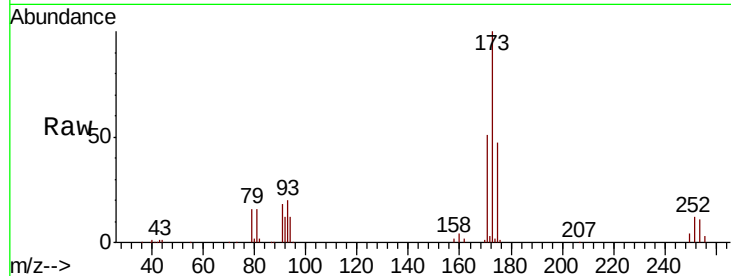
Tgt Ion:173 Resp: 140172

Ion Ratio Lower Upper

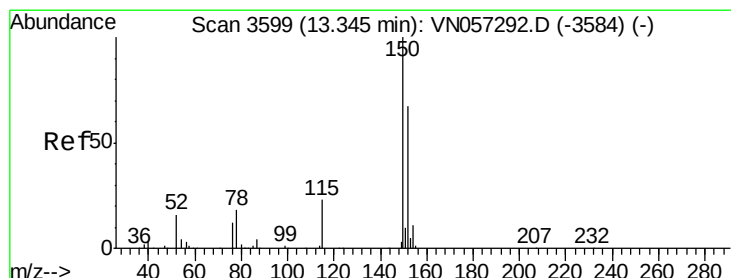
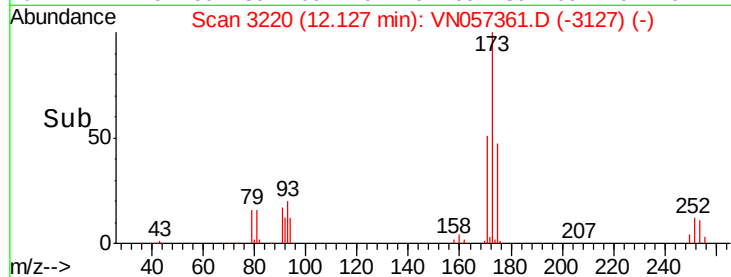
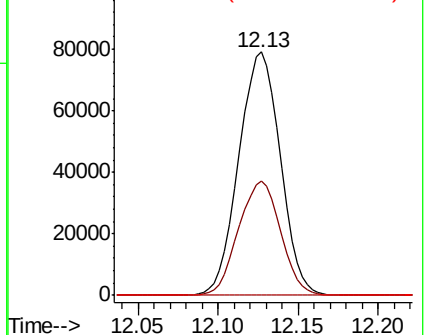
173 100

175 47.8 24.2 72.6

254 0.0 0.2 0.2#



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

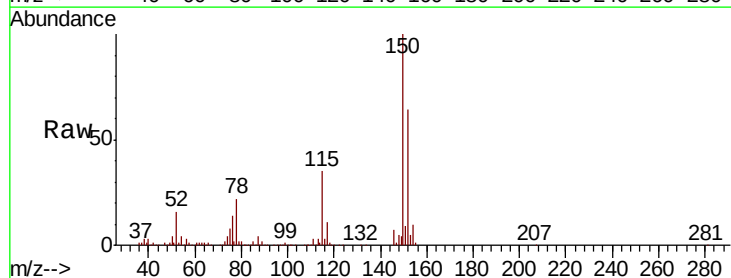
Tgt Ion:152 Resp: 393958

Ion Ratio Lower Upper

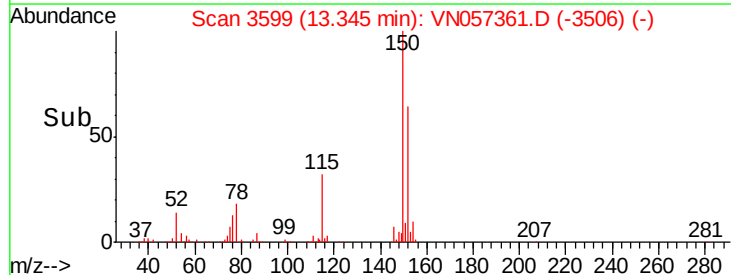
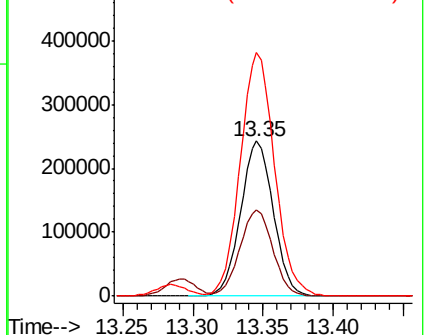
152 100

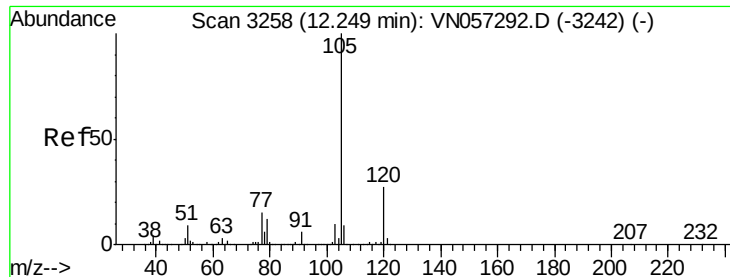
115 56.0 27.3 81.9

150 164.6 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: 22.805 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

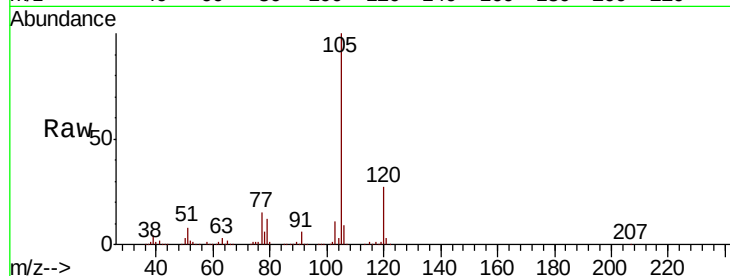
VN0818WBS01

Tgt Ion: 105 Resp: 772158

Ion Ratio Lower Upper

105 100

120 27.0 13.2 39.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12.25

500000

400000

300000

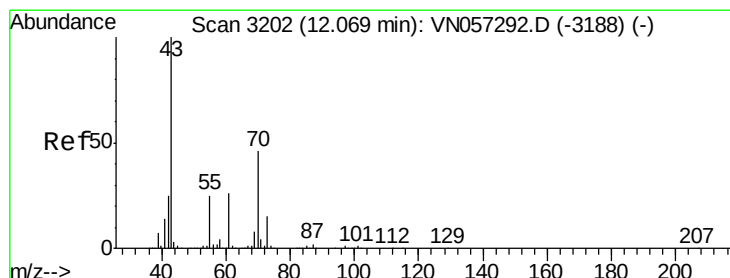
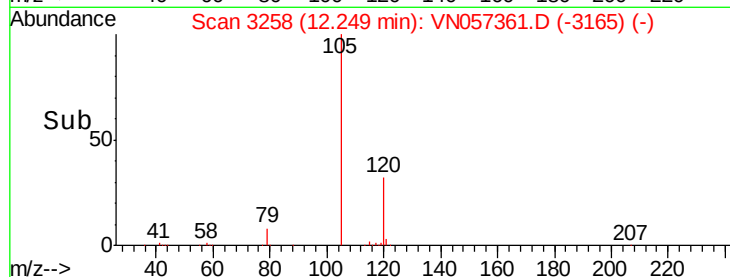
200000

100000

0

Time-->

12.20 12.30



#74

N-ethyl acetate

Concen: 19.473 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Tgt Ion: 43 Resp: 222612

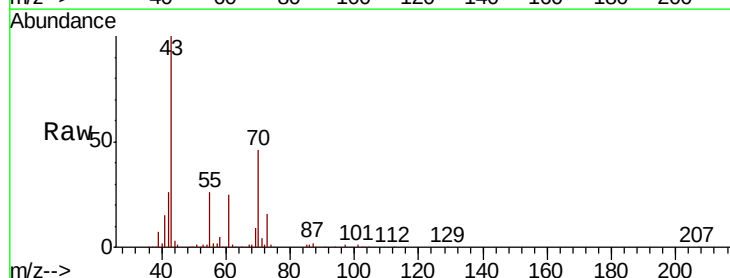
Ion Ratio Lower Upper

43 100

70 46.9 36.2 54.2

55 25.7 20.1 30.1

61 26.1 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

200000

150000

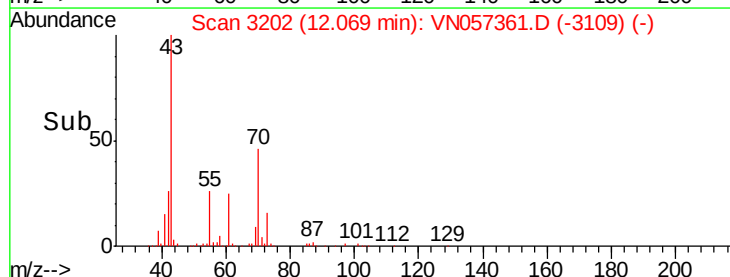
100000

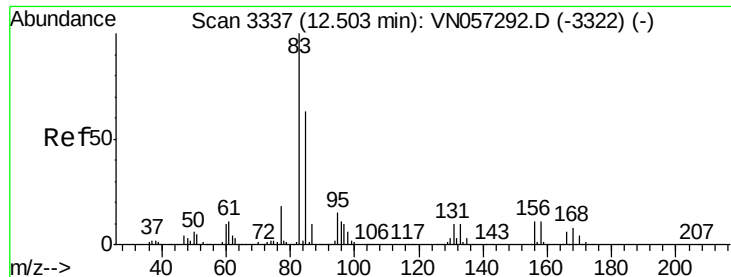
50000

0

Time-->

12.00 12.05 12.10





#75

1,1,2,2-Tetrachloroethane

Concen: 22.282 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

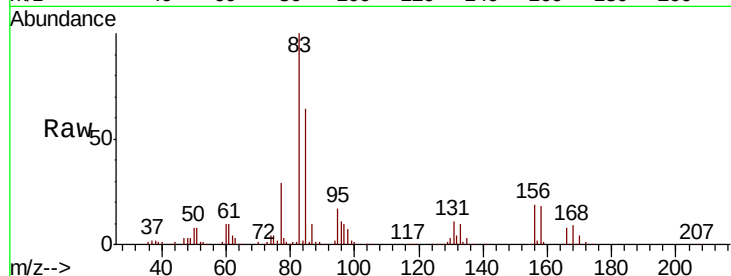
Tgt Ion: 83 Resp: 216841

Ion Ratio Lower Upper

83 100

131 11.7 5.4 16.2

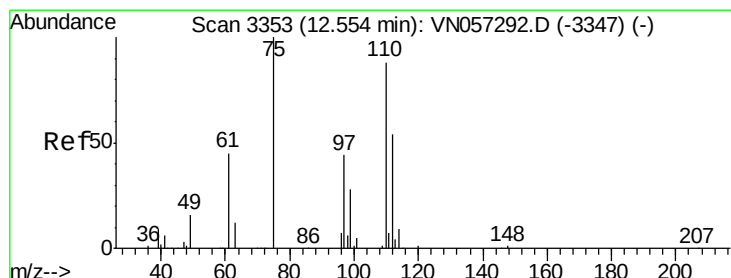
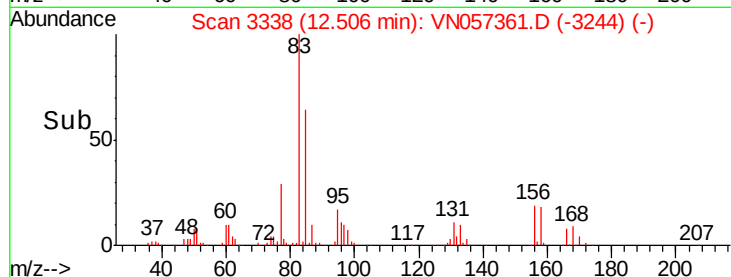
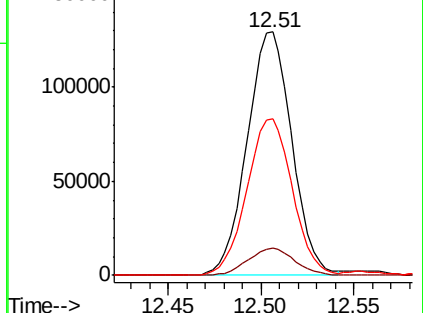
85 65.2 32.3 96.9



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: 32.895 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN057361.D

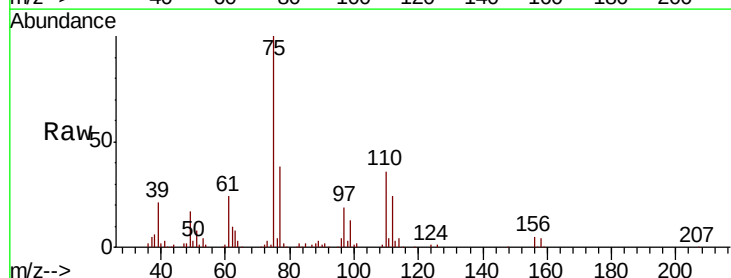
Acq: 16 Aug 2019 18:22

Tgt Ion: 75 Resp: 260122

Ion Ratio Lower Upper

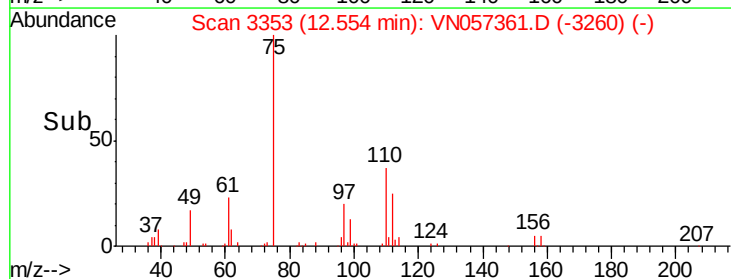
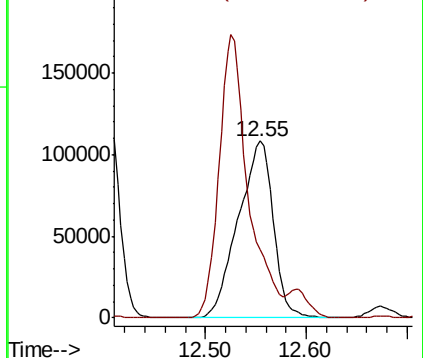
75 100

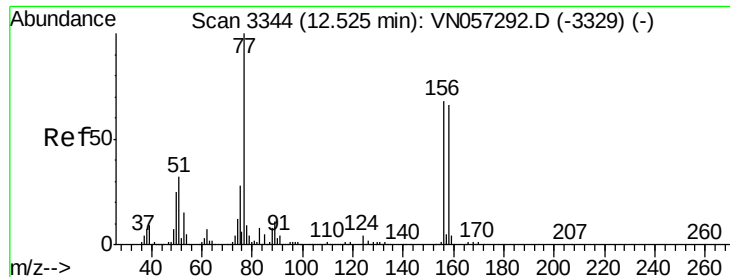
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 22.599 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

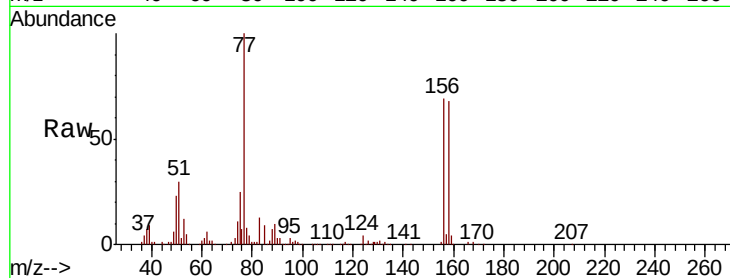
Tgt Ion:156 Resp: 200818

Ion Ratio Lower Upper

156 100

77 174.2 89.8 269.6

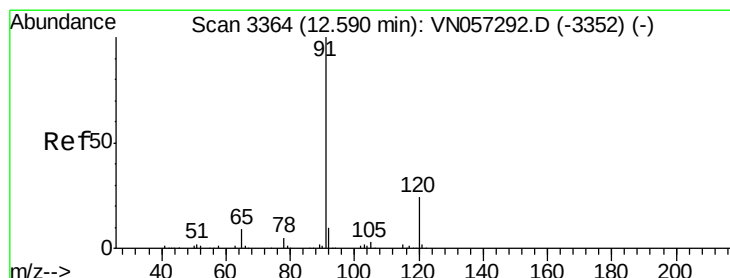
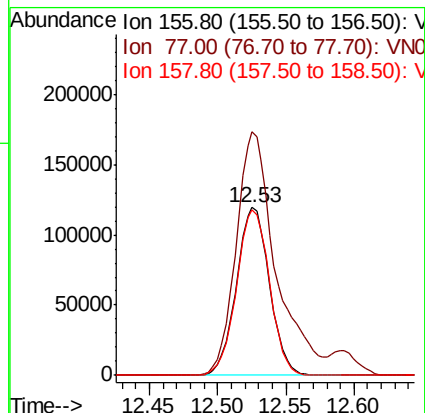
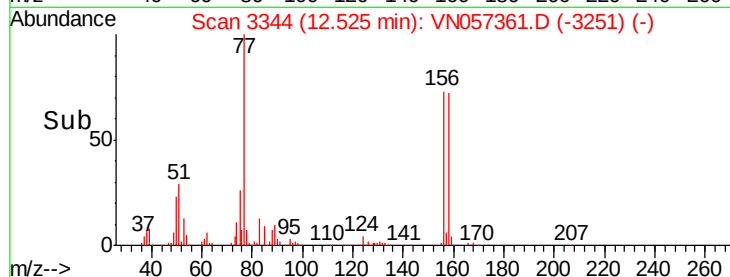
158 98.7 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 19.931 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN057361.D

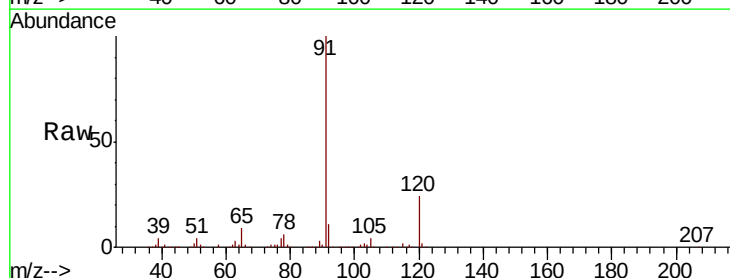
Acq: 16 Aug 2019 18:22

Tgt Ion: 91 Resp: 756141

Ion Ratio Lower Upper

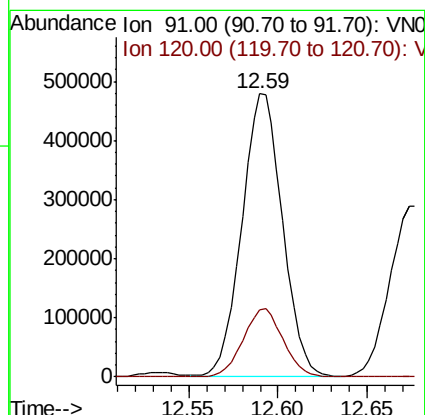
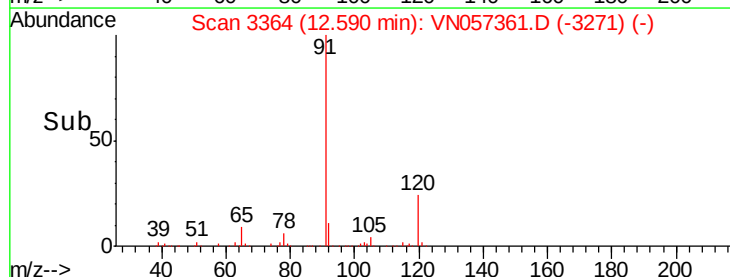
91 100

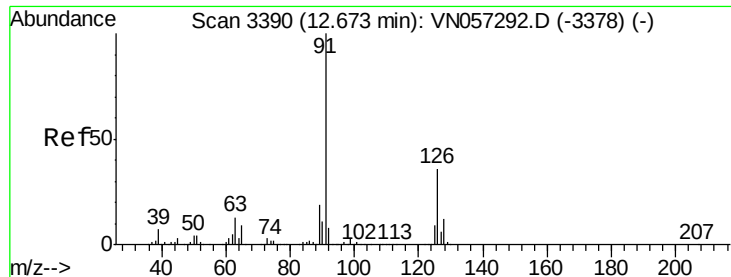
120 23.8 11.9 35.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 22.132 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

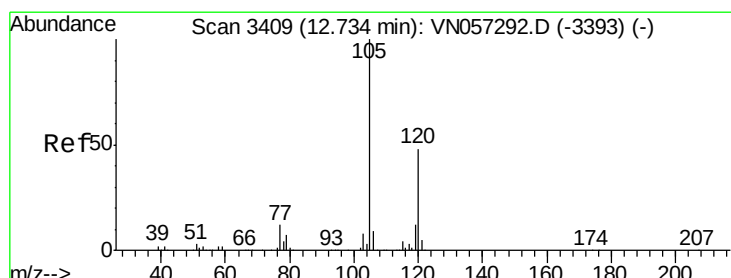
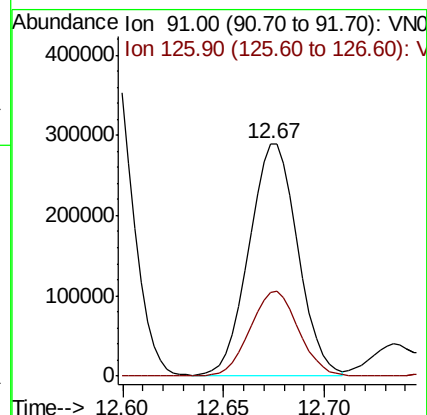
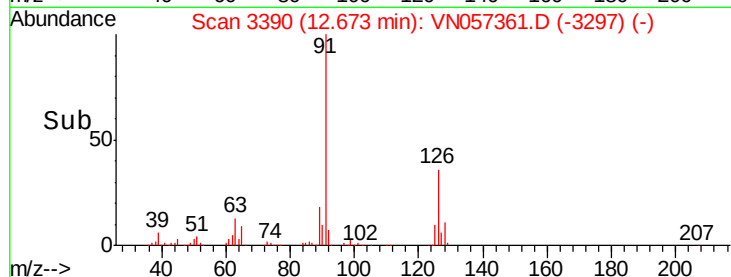
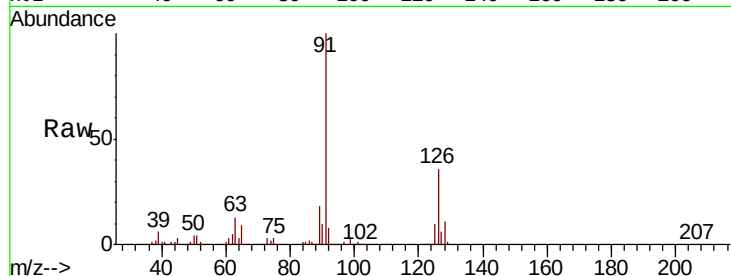
VN0818WBS01

Tgt Ion: 91 Resp: 486330

Ion Ratio Lower Upper

91 100

126 36.6 18.1 54.1



#80

1,3,5-Trimethylbenzene

Concen: 22.282 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN057361.D

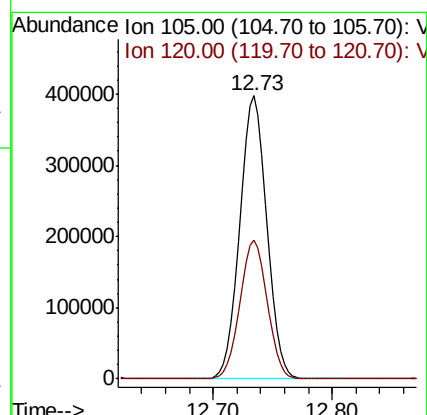
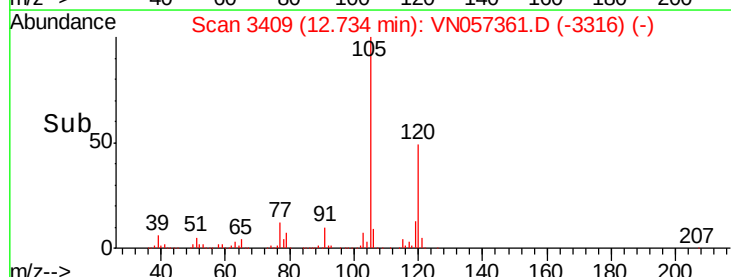
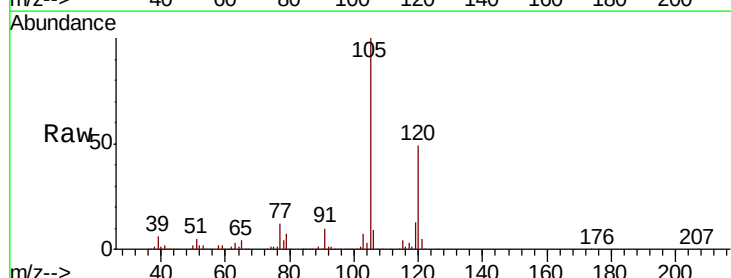
Acq: 16 Aug 2019 18:22

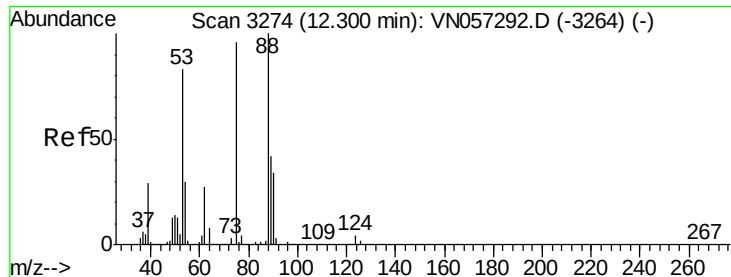
Tgt Ion: 105 Resp: 624642

Ion Ratio Lower Upper

105 100

120 49.4 24.3 73.0





#81

trans-1,4-Dichloro-2-butene

Concen: 19.851 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampled :

VN0818WBS01

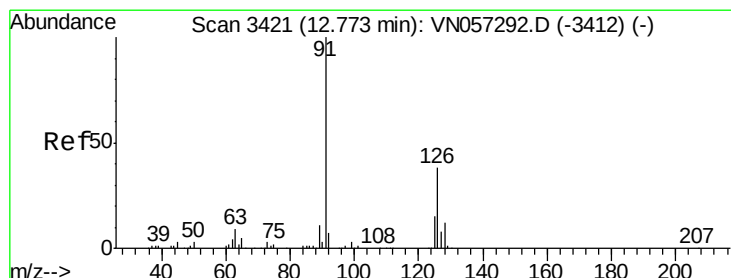
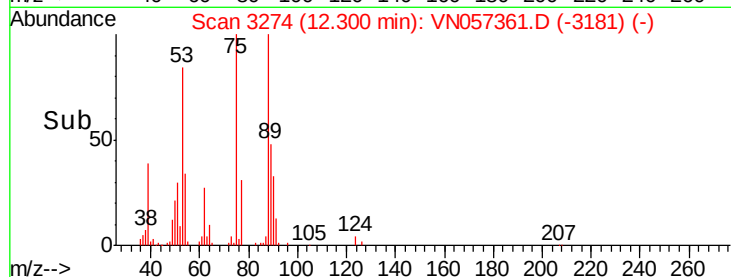
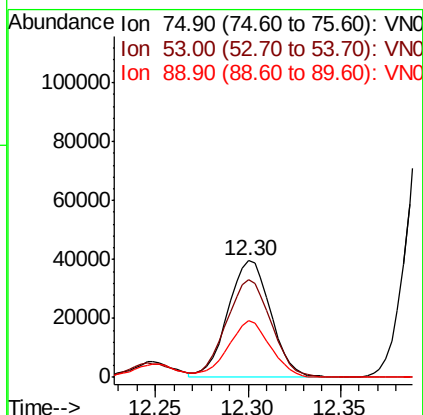
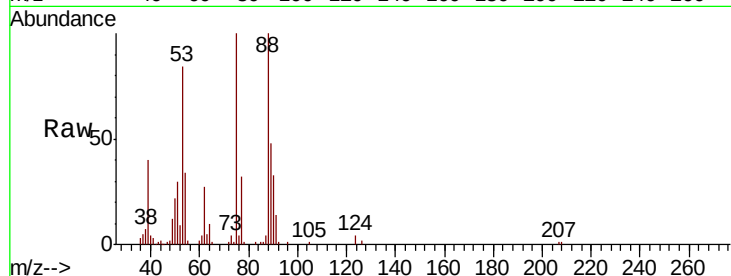
Tgt Ion: 75 Resp: 64134

Ion Ratio Lower Upper

75 100

53 86.0 67.9 101.9

89 47.5 36.2 54.4



#82

4-Chlorotoluene

Concen: 19.349 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN057361.D

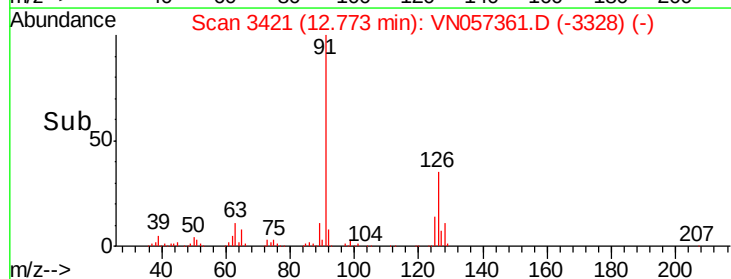
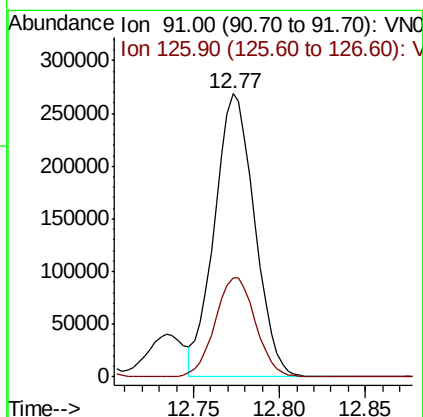
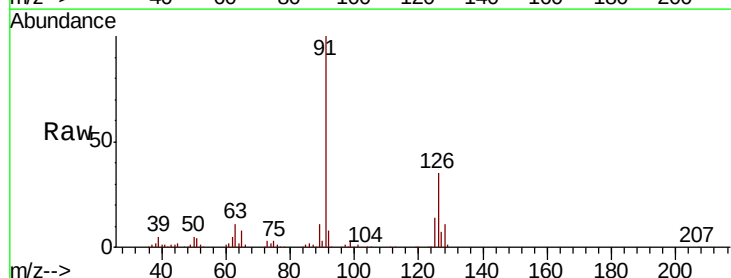
Acq: 16 Aug 2019 18:22

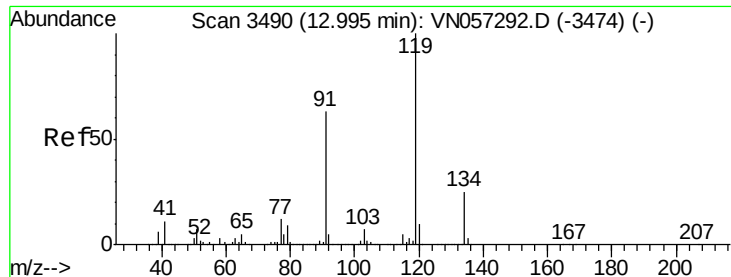
Tgt Ion: 91 Resp: 434975

Ion Ratio Lower Upper

91 100

126 35.6 17.3 51.7

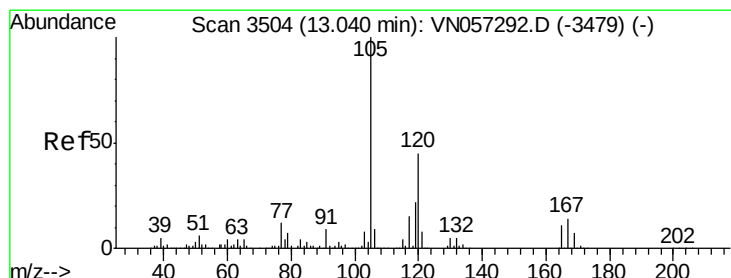
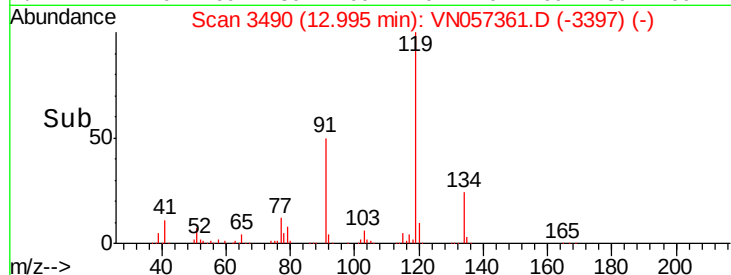
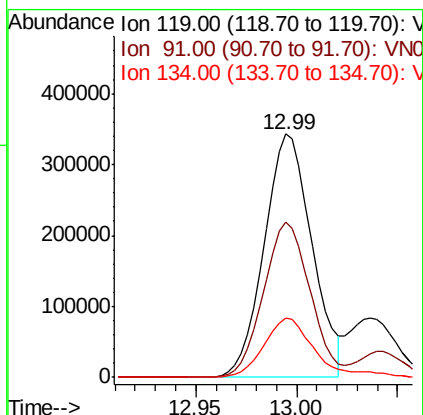
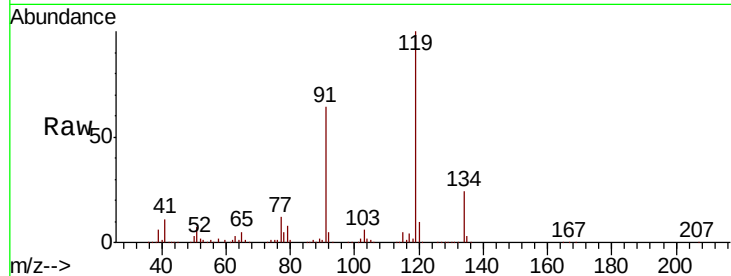




#83
 tert-Butylbenzene
 Concen: 22.623 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

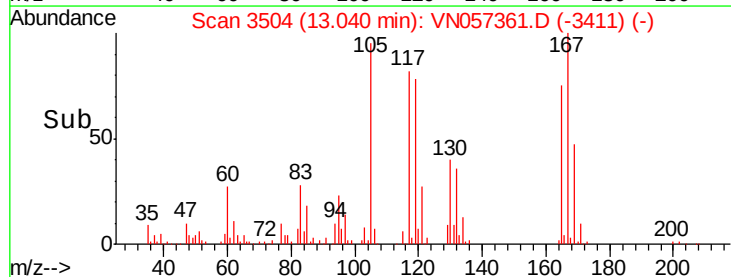
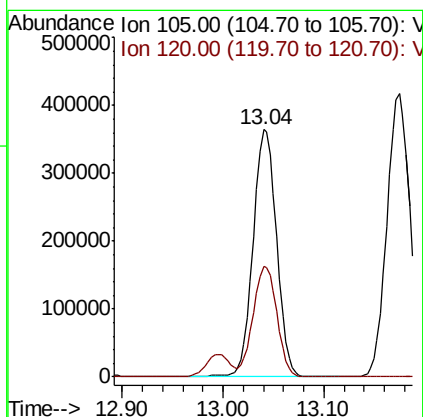
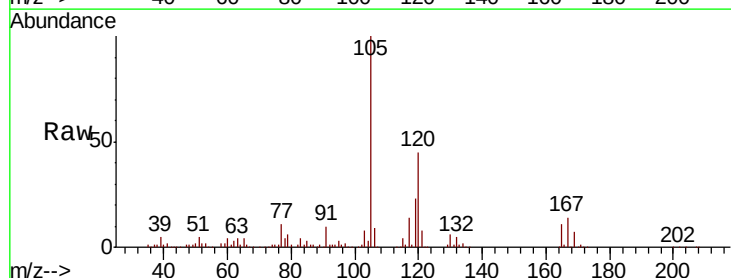
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

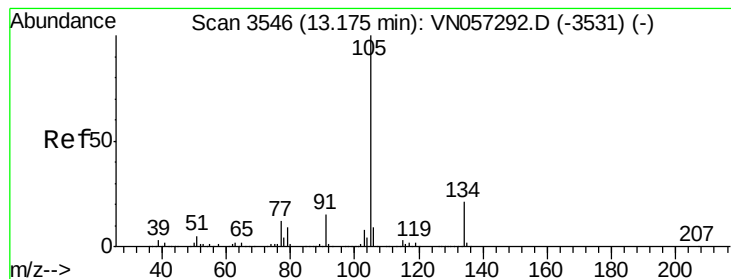
Tgt Ion:119 Resp: 565563
 Ion Ratio Lower Upper
 119 100
 91 62.2 31.3 93.8
 134 26.2 13.1 39.1



#84
 1,2,4-Trimethylbenzene
 Concen: 20.596 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion:105 Resp: 584423
 Ion Ratio Lower Upper
 105 100
 120 45.4 22.6 67.7





#85

sec-Butylbenzene

Concen: 21.487 ug/l

RT: 13.17 min Scan# 3546

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

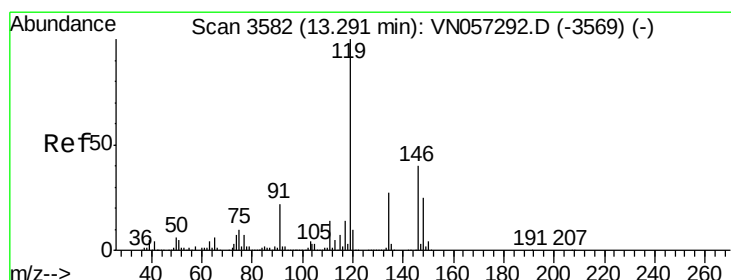
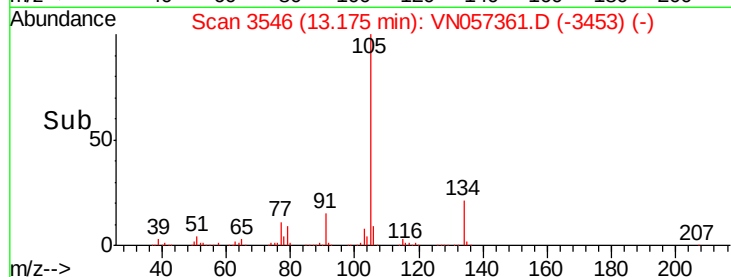
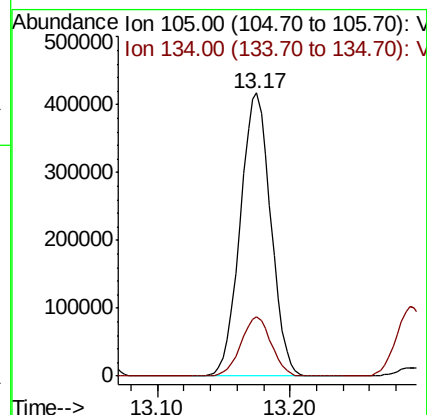
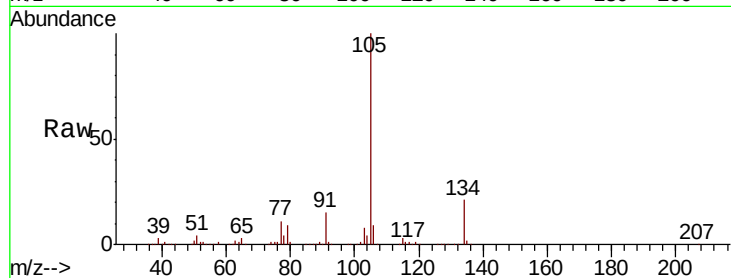
VN0818WBS01

Tgt Ion:105 Resp: 666100

Ion Ratio Lower Upper

105 100

134 20.8 10.4 31.2



#86

p-Isopropyltoluene

Concen: 20.245 ug/l

RT: 13.29 min Scan# 3582

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

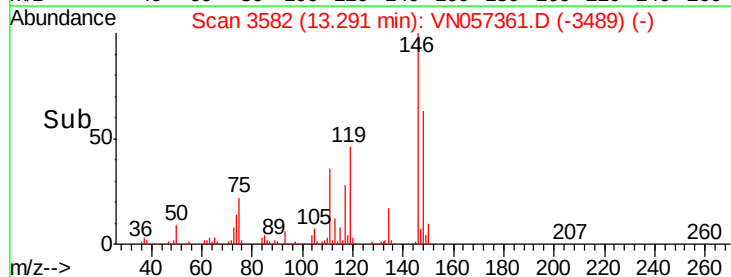
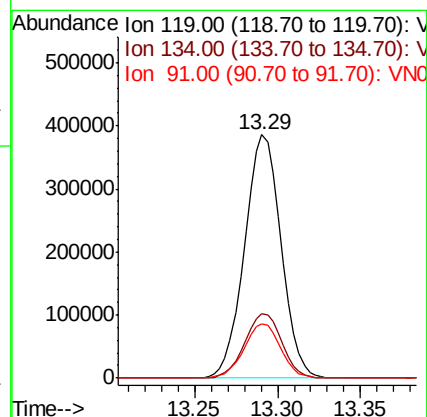
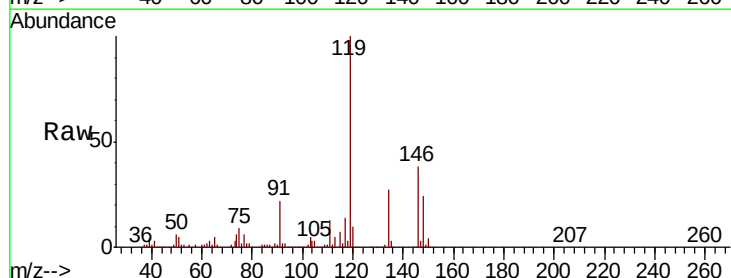
Tgt Ion:119 Resp: 588150

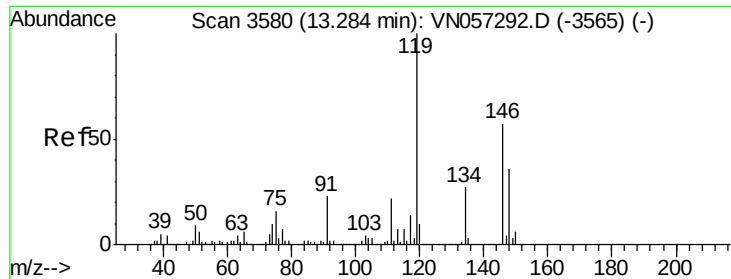
Ion Ratio Lower Upper

119 100

134 27.2 13.4 40.2

91 22.3 11.2 33.5

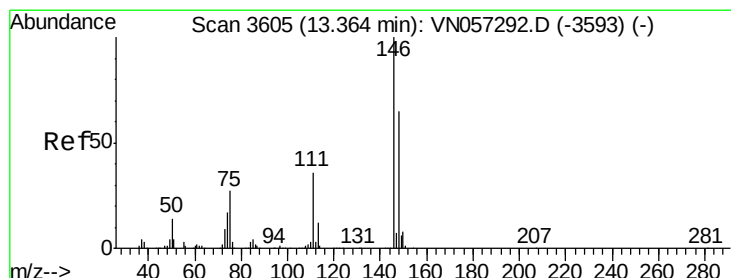
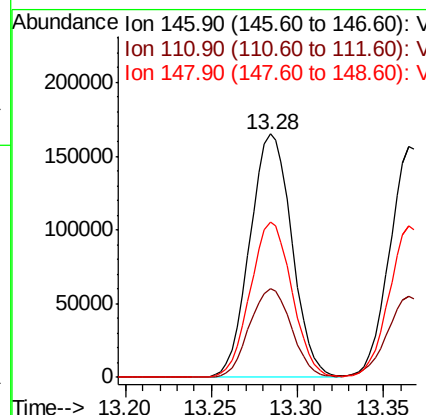
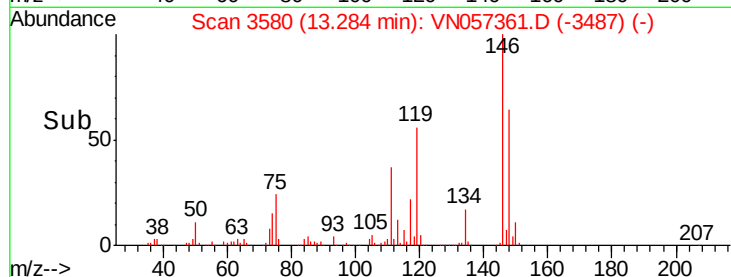
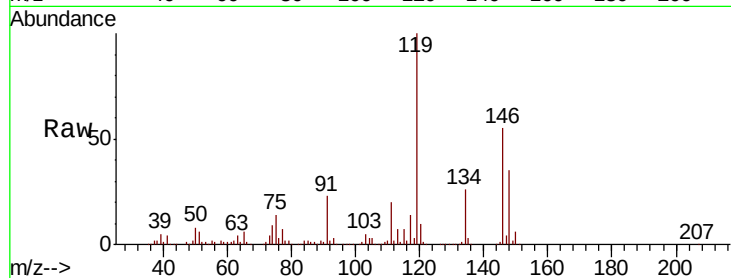




#87
 1,3-Dichlorobenzene
 Concen: 20.285 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

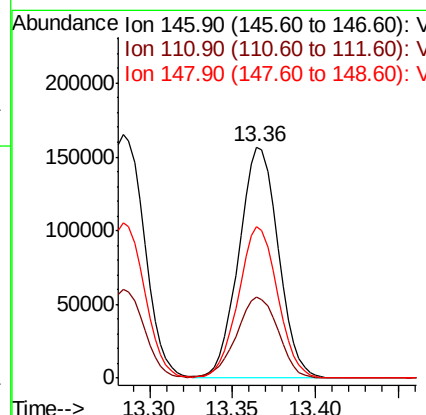
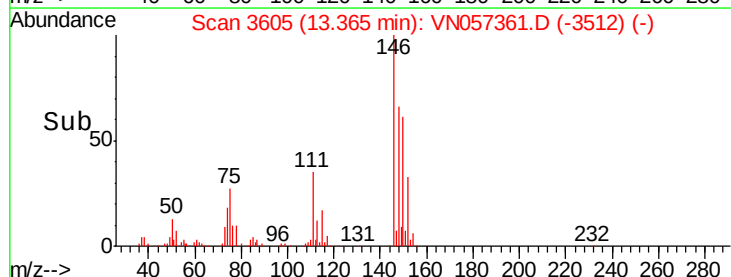
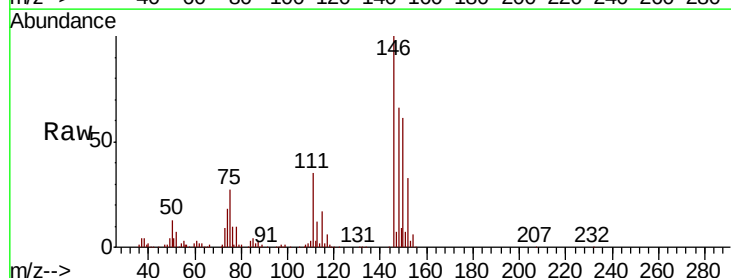
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

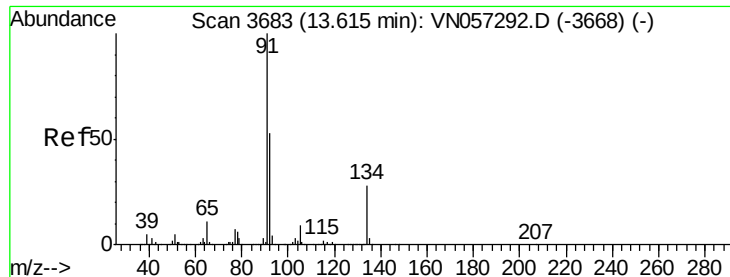
Tgt Ion:146 Resp: 279999
 Ion Ratio Lower Upper
 146 100
 111 36.4 18.7 56.1
 148 63.4 31.7 95.1



#88
 1,4-Dichlorobenzene
 Concen: 19.778 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion:146 Resp: 259147
 Ion Ratio Lower Upper
 146 100
 111 37.3 18.4 55.4
 148 65.5 32.5 97.4





#89

n-Butylbenzene

Concen: 21.487 ug/l

RT: 13.62 min Scan# 3683

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

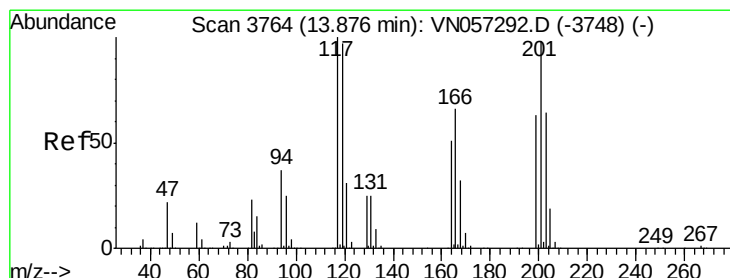
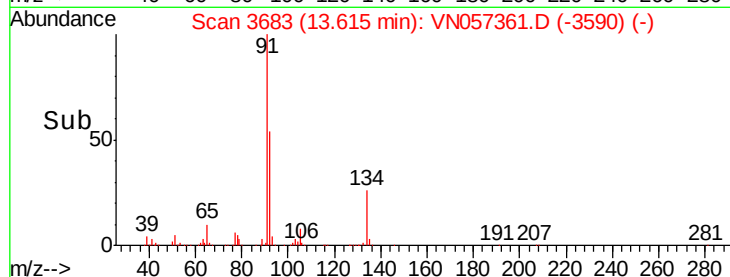
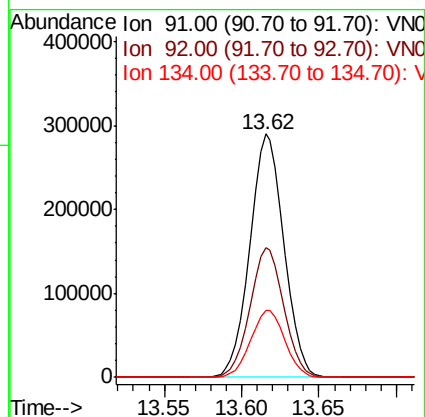
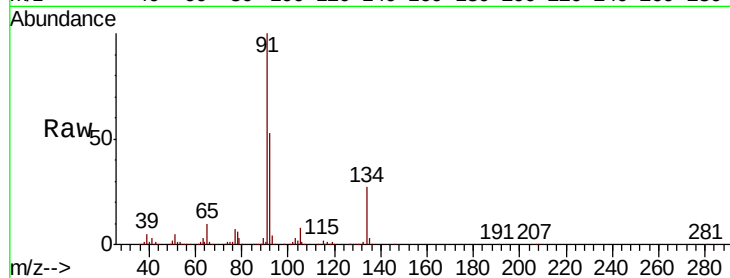
Tgt Ion: 91 Resp: 445010

Ion Ratio Lower Upper

91 100

92 53.0 26.2 78.6

134 27.7 13.9 41.7



#90

Hexachloroethane

Concen: 22.095 ug/l

RT: 13.88 min Scan# 3764

Delta R.T. 0.00 min

Lab File: VN057361.D

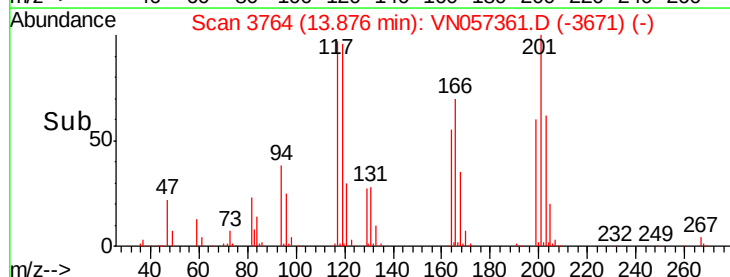
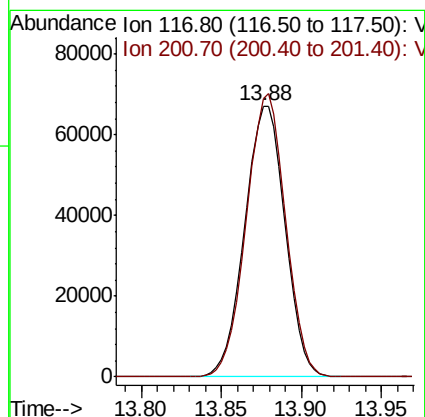
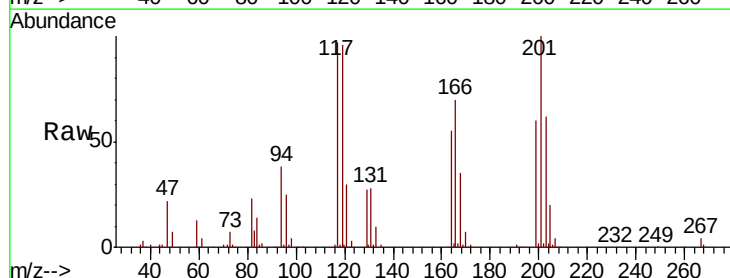
Acq: 16 Aug 2019 18:22

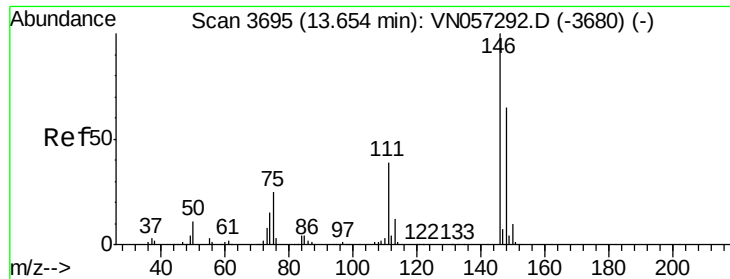
Tgt Ion: 117 Resp: 115596

Ion Ratio Lower Upper

117 100

201 101.7 48.4 145.0

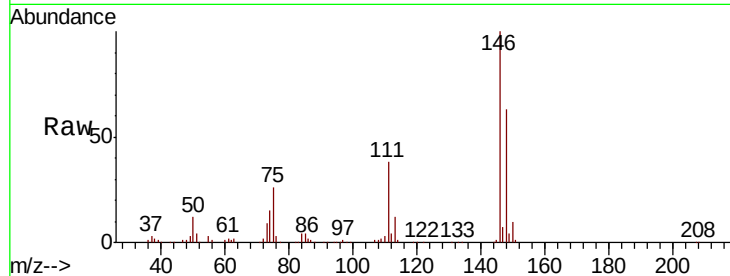




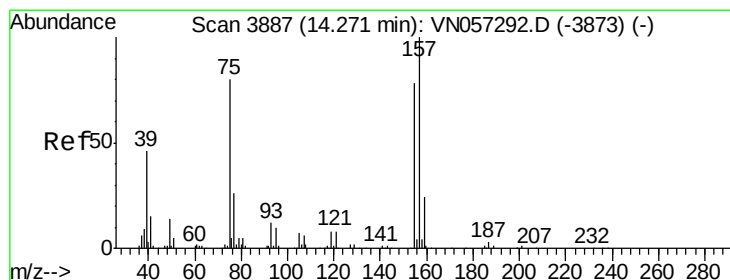
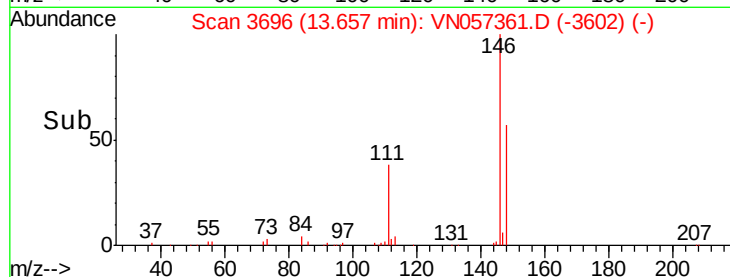
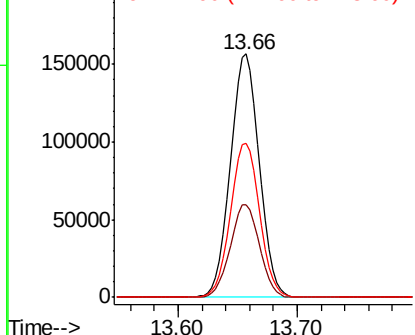
#91
 1,2-Dichlorobenzene
 Concen: 20.439 ug/l
 RT: 13.66 min Scan# 3696
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

Tgt Ion: 146 Resp: 262991
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.7 59.1
 148 63.9 32.0 96.0

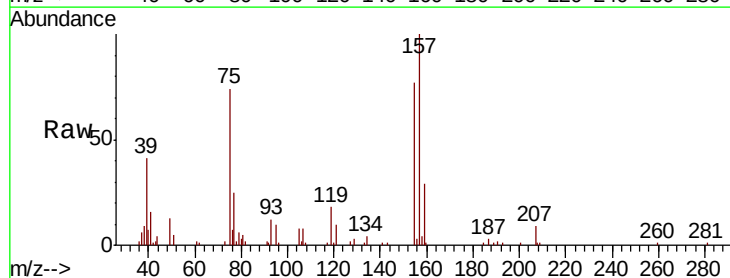


Abundance Ion 145.90 (145.60 to 146.60): V
 Ion 110.90 (110.60 to 111.60): V
 Ion 147.90 (147.60 to 148.60): V

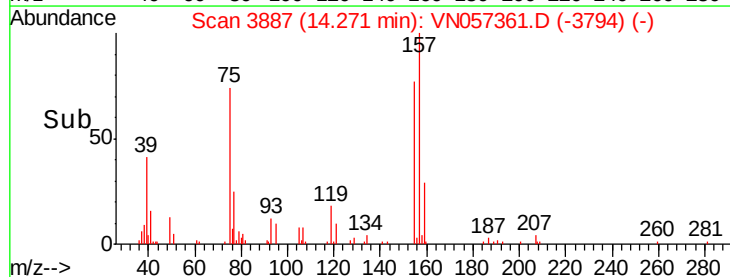
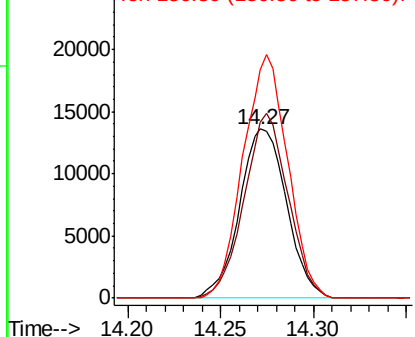


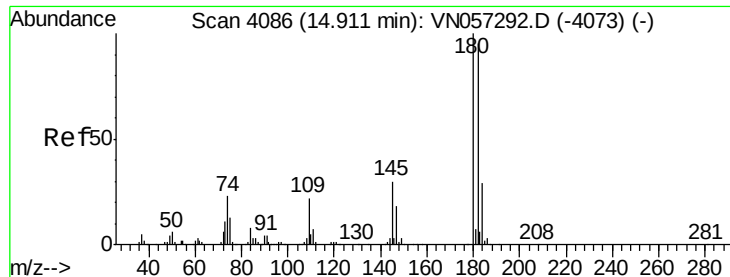
#92
 1,2-Dibromo-3-Chloropropane
 Concen: 17.087 ug/l
 RT: 14.27 min Scan# 3887
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion: 75 Resp: 24004
 Ion Ratio Lower Upper
 75 100
 155 101.9 49.6 148.8
 157 136.0 63.7 191.1



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 154.80 (154.50 to 155.50): V
 Ion 156.80 (156.50 to 157.50): V

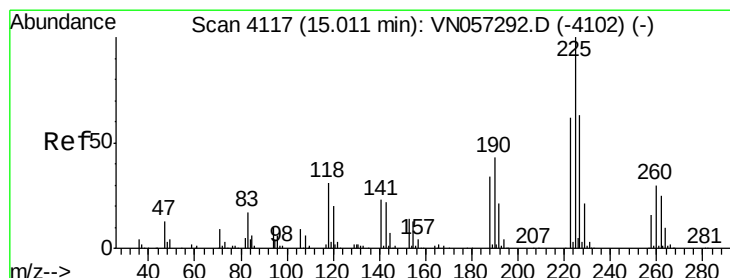
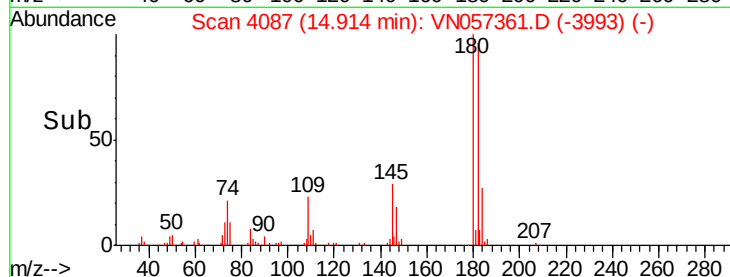
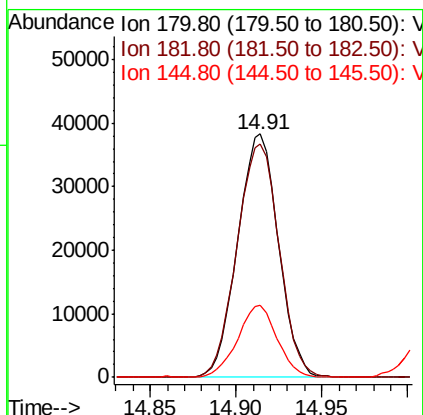
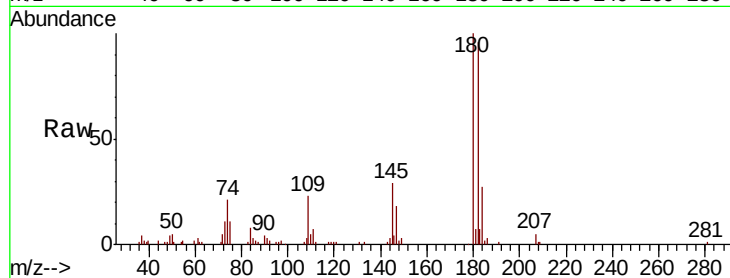




#93
 1,2,4-Trichlorobenzene
 Concen: 16.271 ug/l
 RT: 14.91 min Scan# 4087
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

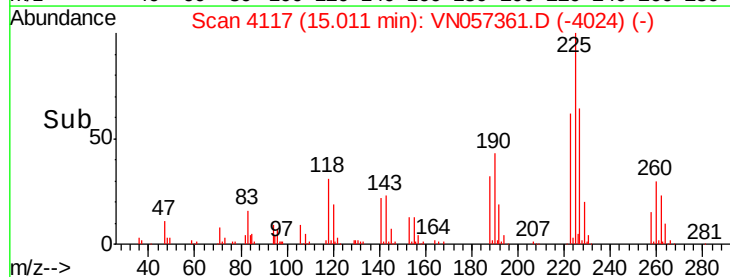
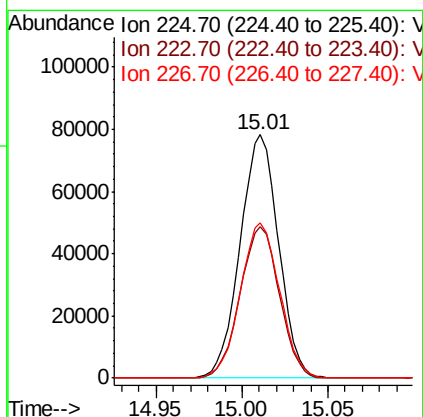
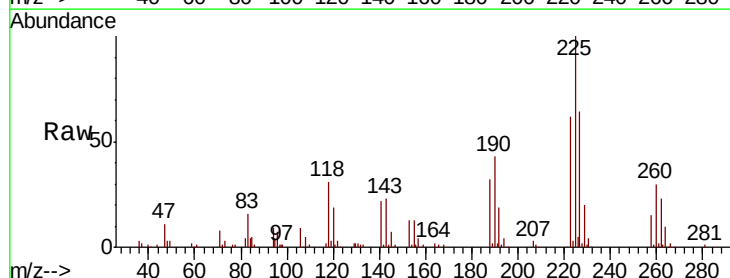
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0818WBS01

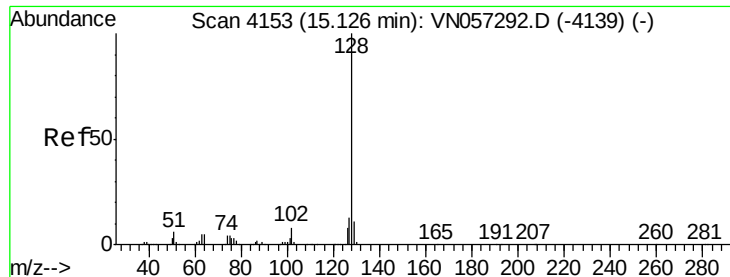
Tgt Ion:180 Resp: 62903
 Ion Ratio Lower Upper
 180 100
 182 99.2 48.0 144.2
 145 28.7 14.5 43.6



#94
 Hexachlorobutadiene
 Concen: 22.158 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN057361.D
 Acq: 16 Aug 2019 18:22

Tgt Ion:225 Resp: 121729
 Ion Ratio Lower Upper
 225 100
 223 63.3 30.7 92.1
 227 65.4 30.9 92.7





#95

Naphthalene

Concen: 19.565 ug/l

RT: 15.13 min Scan# 4153

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

Instrument :

MSVOA_N

ClientSampleId :

VN0818WBS01

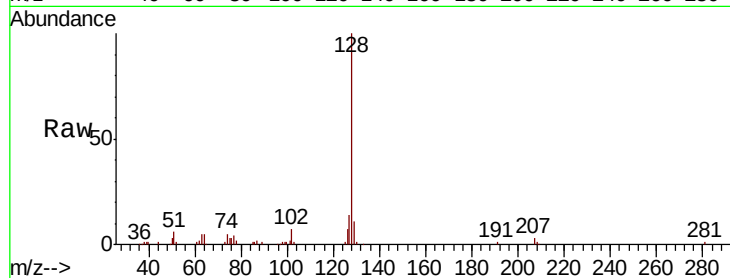
Tgt Ion:128 Resp: 124512

Ion Ratio Lower Upper

128 100

127 13.5 10.5 15.7

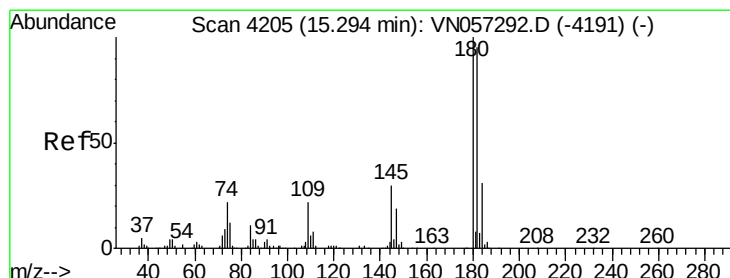
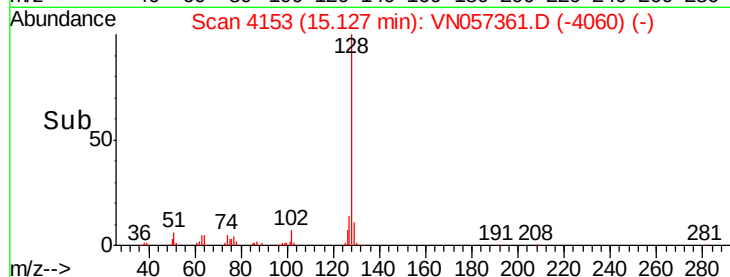
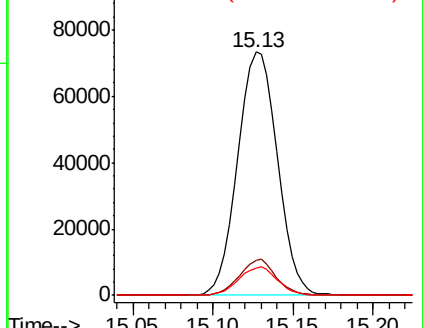
129 11.3 8.8 13.2



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: 19.401 ug/l

RT: 15.30 min Scan# 4206

Delta R.T. 0.00 min

Lab File: VN057361.D

Acq: 16 Aug 2019 18:22

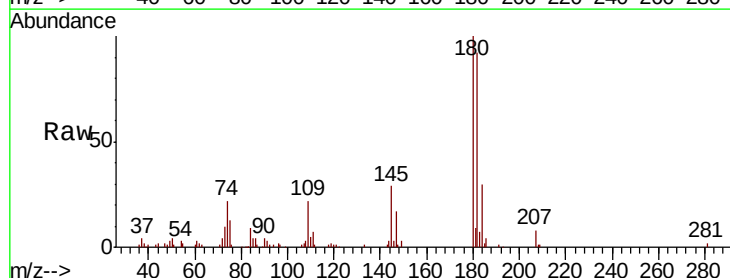
Tgt Ion:180 Resp: 61015

Ion Ratio Lower Upper

180 100

182 97.9 47.9 143.6

145 29.4 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

