

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042319\
 Data File : VN055204.D
 Acq On : 23 Apr 2019 14:21
 Operator : JC/SP
 Sample : VN0423MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Quant Time: Apr 23 14:47:49 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 05:52:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	444773	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	745920	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	634249	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	243737	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	323813	53.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	107.58%	
35) Dibromofluoromethane	7.59	113	255992	50.52	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.04%	
50) Toluene-d8	10.09	98	947145	50.45	ug/l	0.00
Spiked Amount	50.000		Recovery	=	100.90%	
62) 4-Bromofluorobenzene	12.40	95	302463	50.87	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.74%	

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.85	85	132318	23.106	ug/l 99
3) Chloromethane	2.06	50	153908	21.933	ug/l 98
4) Vinyl Chloride	2.19	62	121777	21.658	ug/l 97
5) Bromomethane	2.56	94	64721	19.848	ug/l 96
6) Chloroethane	2.70	64	60606	20.450	ug/l 99
7) Trichlorofluoromethane	3.02	101	166948	21.818	ug/l 97
8) Diethyl Ether	3.41	74	61686	22.586	ug/l 96
9) 1,1,2-Trichlorotrifluoroet	3.76	101	100277	21.001	ug/l 99
10) Methyl Iodide	3.95	142	148677	22.204	ug/l 100
11) Tert butyl alcohol	4.79	59	44271	125.962	ug/l 99
12) 1,1-Dichloroethene	3.74	96	97468	21.300	ug/l 99
13) Acrolein	3.61	56	58537	116.389	ug/l 98
14) Allyl chloride	4.32	41	197408	21.822	ug/l 99
15) Acrylonitrile	4.99	53	230549	119.609	ug/l 100
16) Acetone	3.82	43	180251	90.572	ug/l 97
17) Carbon Disulfide	4.05	76	271395	21.215	ug/l 100
18) Methyl Acetate	4.33	43	108344	24.766	ug/l 97
19) Methyl tert-butyl Ether	5.05	73	295949	23.392	ug/l 99
20) Methylene Chloride	4.55	84	119689	20.920	ug/l 96
21) trans-1,2-Dichloroethene	5.04	96	105240	21.932	ug/l 96
22) Diisopropyl ether	5.95	45	396188	21.972	ug/l 96
23) Vinyl Acetate	5.90	43	1443297	119.111	ug/l 99
24) 1,1-Dichloroethane	5.85	63	206976	21.340	ug/l 98
25) 2-Butanone	6.84	43	281485	109.556	ug/l 96
26) 2,2-Dichloropropane	6.83	77	135967	20.716	ug/l 99
27) cis-1,2-Dichloroethene	6.83	96	119319	21.571	ug/l 100
28) Bromochloromethane	7.19	49	111327	22.517	ug/l 98
29) Tetrahydrofuran	7.21	42	194952	123.408	ug/l 98
30) Chloroform	7.37	83	196368	21.284	ug/l 97
31) Cyclohexane	7.65	56	201606	21.460	ug/l 97
32) 1,1,1-Trichloroethane	7.57	97	162990	21.990	ug/l 100
36) 1,1-Dichloropropene	7.79	75	147545	21.311	ug/l 99
37) Ethyl Acetate	6.93	43	121172	21.687	ug/l 99
38) Carbon Tetrachloride	7.77	117	138464	21.357	ug/l 98

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	162007	19.615	ug/l	98
40) Benzene	8.04	78	454490	21.266	ug/l	98
41) Methacrylonitrile	7.17	41	72537	24.763	ug/l #	92
42) 1,2-Dichloroethane	8.13	62	156136	20.941	ug/l	99
43) Isopropyl Acetate	8.17	43	225539	24.928	ug/l #	86
44) Trichloroethene	8.83	130	111681	20.675	ug/l	99
45) 1,2-Dichloropropane	9.12	63	124926	20.708	ug/l	97
46) Dibromomethane	9.21	93	71862	20.809	ug/l	98
47) Bromodichloromethane	9.40	83	147810	21.380	ug/l	99
48) Methyl methacrylate	9.20	41	97003	22.102	ug/l	99
49) 1,4-Dioxane	9.20	88	23539	464.431	ug/l	99
51) 4-Methyl-2-Pentanone	9.99	43	589537	113.234	ug/l	100
52) Toluene	10.16	92	263327	21.018	ug/l	100
53) t-1,3-Dichloropropene	10.38	75	137808	21.721	ug/l	98
54) cis-1,3-Dichloropropene	9.84	75	167881	21.323	ug/l	97
55) 1,1,2-Trichloroethane	10.56	97	98915	21.415	ug/l	98
56) Ethyl methacrylate	10.43	69	131597	22.870	ug/l	99
57) 1,3-Dichloropropane	10.71	76	169547	21.097	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	205803	99.914	ug/l	99
59) 2-Hexanone	10.75	43	371469	112.958	ug/l	99
60) Dibromochloromethane	10.90	129	100690	21.164	ug/l	99
61) 1,2-Dibromoethane	11.01	107	96640	22.253	ug/l	98
64) Tetrachloroethene	10.63	164	106200	20.525	ug/l	97
65) Chlorobenzene	11.43	112	260606	20.131	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	99407	20.718	ug/l	99
67) Ethyl Benzene	11.51	91	482715	20.933	ug/l	99
68) m/p-Xylenes	11.62	106	347480	42.013	ug/l	99
69) o-Xylene	11.95	106	171167	20.854	ug/l	99
70) Styrene	11.96	104	273140	21.468	ug/l	99
71) Bromoform	12.13	173	61984	21.648	ug/l #	98
73) Isopropylbenzene	12.25	105	455700	22.006	ug/l	100
74) N-amyl acetate	12.07	43	147053	23.401	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.50	83	124129	23.761	ug/l	99
76) 1,2,3-Trichloropropane	12.55	75	141727	28.662	ug/l #	100
77) Bromobenzene	12.53	156	109529	20.355	ug/l	99
78) n-propylbenzene	12.59	91	497237	20.342	ug/l	99
79) 2-Chlorotoluene	12.67	91	306716	19.872	ug/l	99
80) 1,3,5-Trimethylbenzene	12.73	105	372166	20.397	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	27821	21.329	ug/l	99
82) 4-Chlorotoluene	12.77	91	286211	20.154	ug/l	99
83) tert-Butylbenzene	12.99	119	315362	21.760	ug/l	98
84) 1,2,4-Trimethylbenzene	13.04	105	349885	20.320	ug/l	99
85) sec-Butylbenzene	13.17	105	402418	19.495	ug/l	100
86) p-Isopropyltoluene	13.29	119	342933	20.165	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	171875	20.808	ug/l	99
88) 1,4-Dichlorobenzene	13.36	146	159093	19.783	ug/l	98
89) n-Butylbenzene	13.61	91	246882	19.585	ug/l	99
90) Hexachloroethane	13.87	117	57662	19.118	ug/l	98
91) 1,2-Dichlorobenzene	13.65	146	170458	20.091	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	16479	22.265	ug/l	98

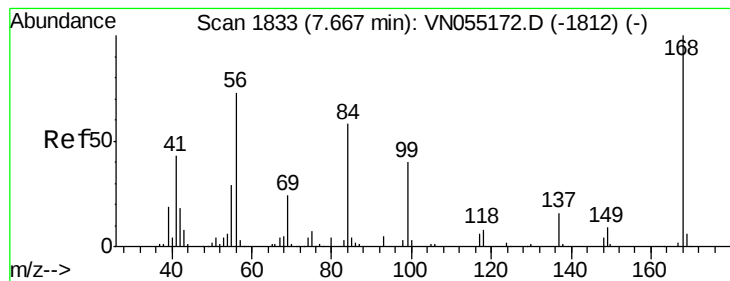
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	58163	18.076	ug/l	99
94) Hexachlorobutadiene	15.01	225	58667	22.478	ug/l	97
95) Naphthalene	15.13	128	128649	18.696	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	61536	18.676	ug/l	96

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

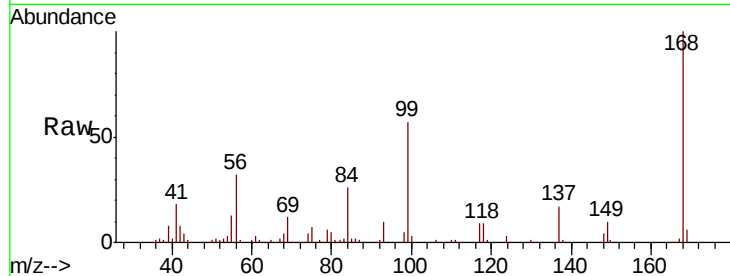
VN0423MBS01

Tgt Ion:168 Resp: 444773

Ion Ratio Lower Upper

168 100

99 55.6 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

200000

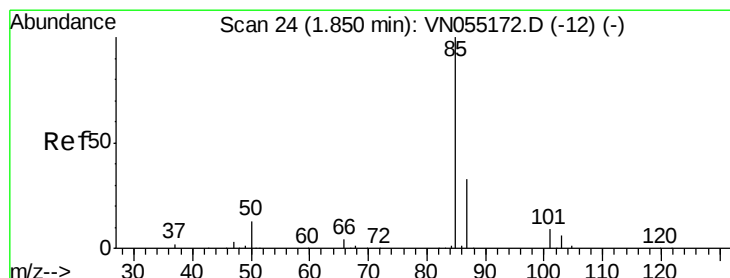
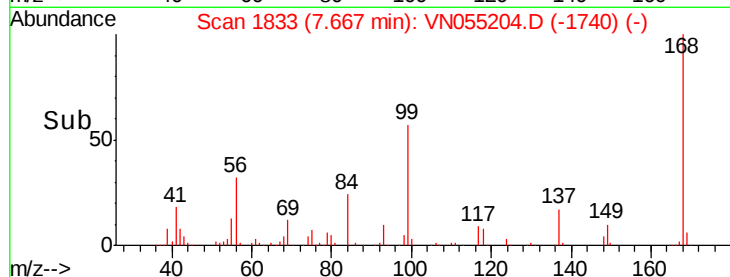
150000

100000

50000

0

Time-->



#2

Dichlorodifluoromethane

Concen: 23.106 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055204.D

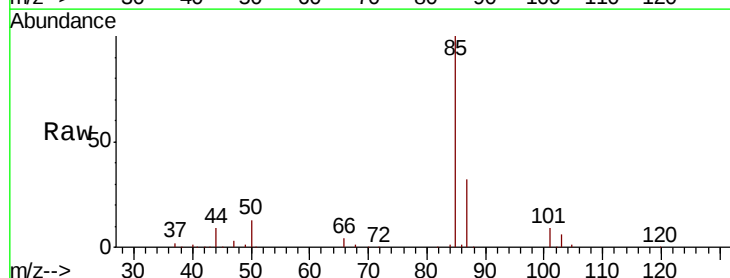
Acq: 23 Apr 2019 14:21

Tgt Ion: 85 Resp: 132318

Ion Ratio Lower Upper

85 100

87 31.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

100000

80000

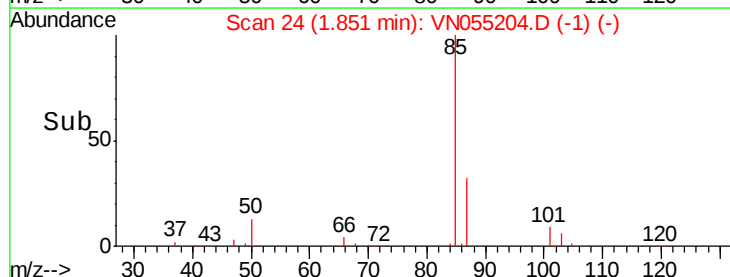
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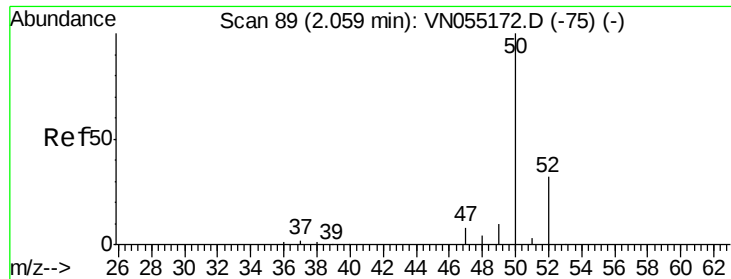
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20000

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Time-->





#3

Chloromethane

Concen: 21.933 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

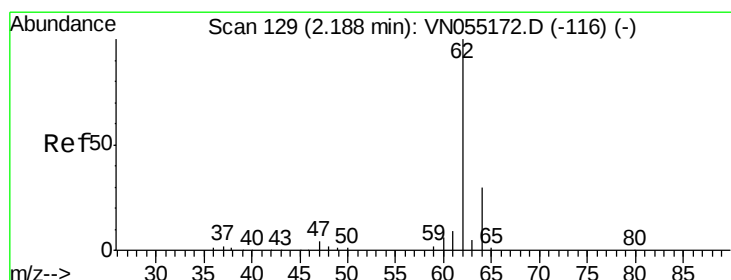
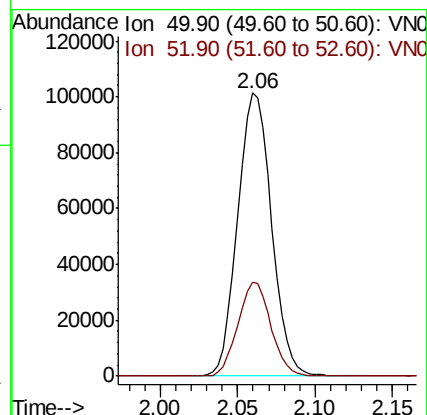
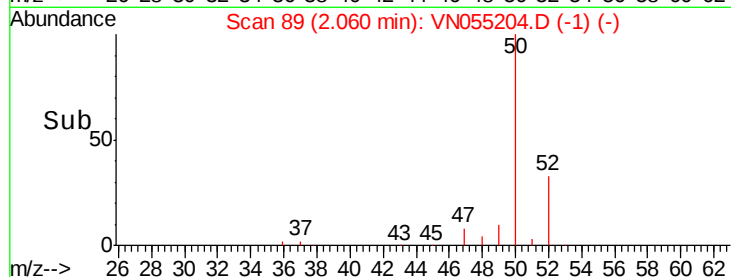
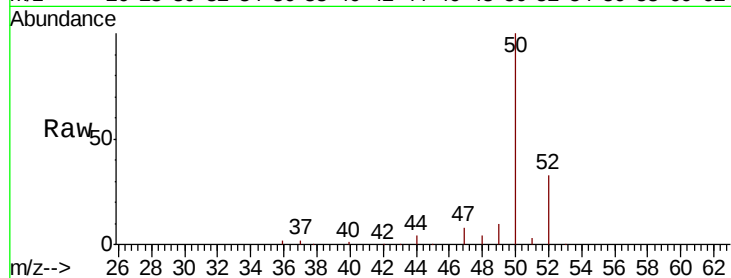
VN0423MBS01

Tgt Ion: 50 Resp: 153908

Ion Ratio Lower Upper

50 100

52 33.2 25.8 38.6



#4

Vinyl Chloride

Concen: 21.658 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055204.D

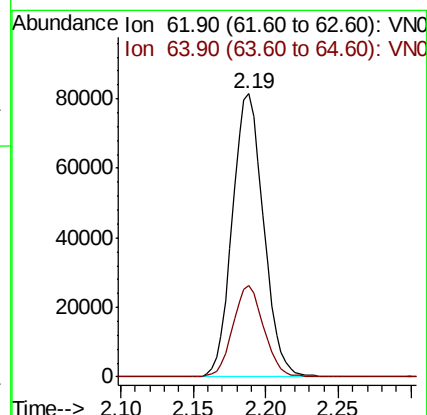
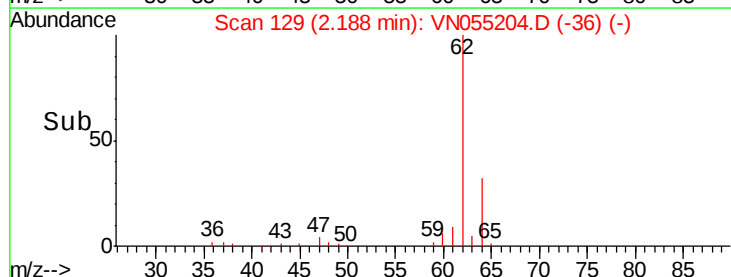
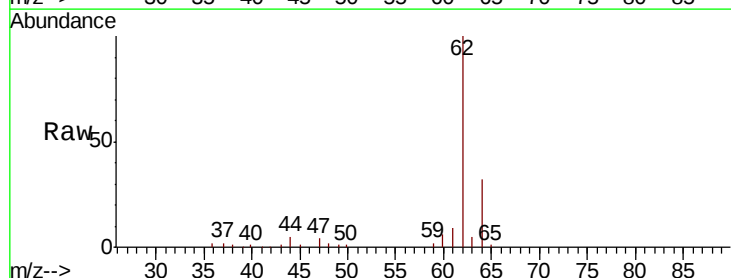
Acq: 23 Apr 2019 14:21

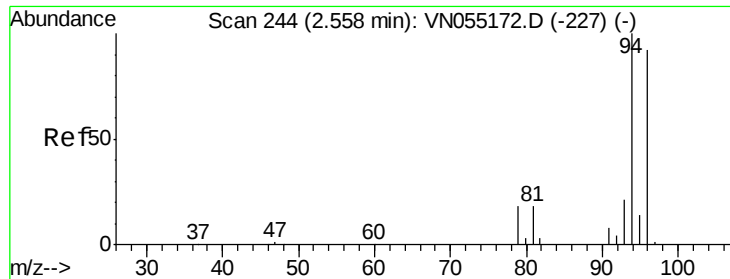
Tgt Ion: 62 Resp: 121777

Ion Ratio Lower Upper

62 100

64 32.1 24.2 36.4

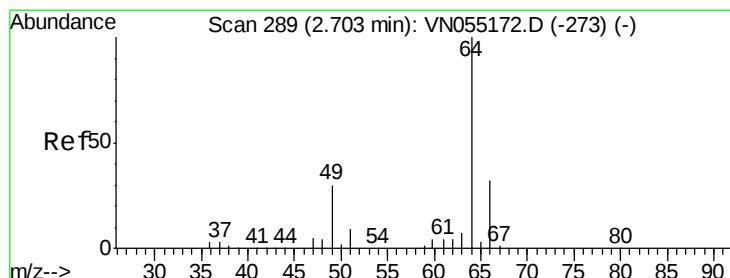
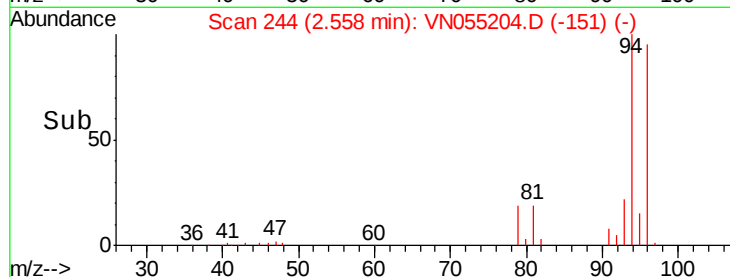
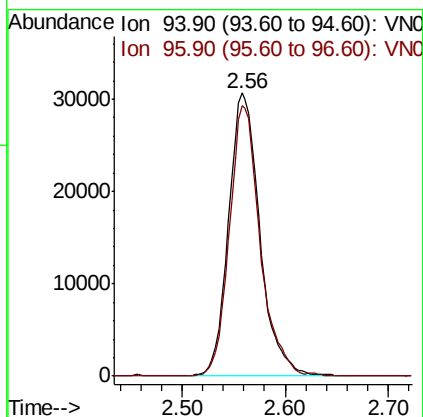
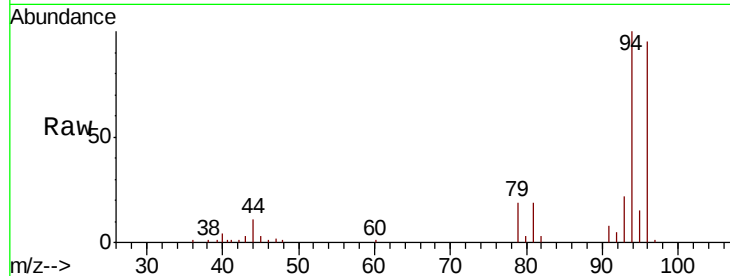




#5
Bromomethane
Concen: 19.848 ug/l
RT: 2.56 min Scan# 244
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

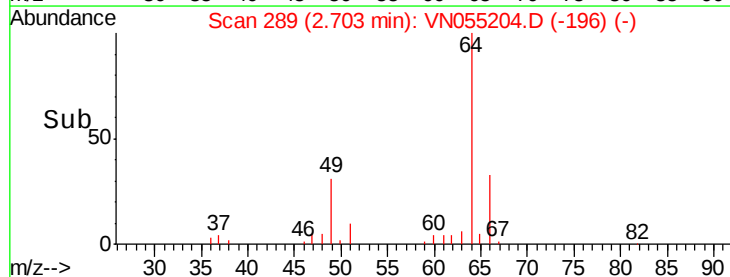
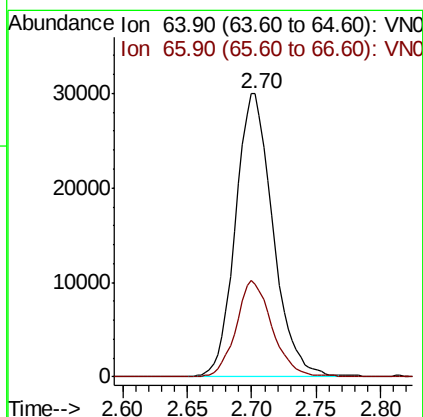
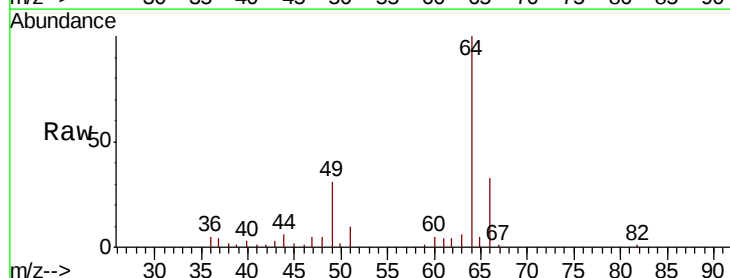
Instrument :
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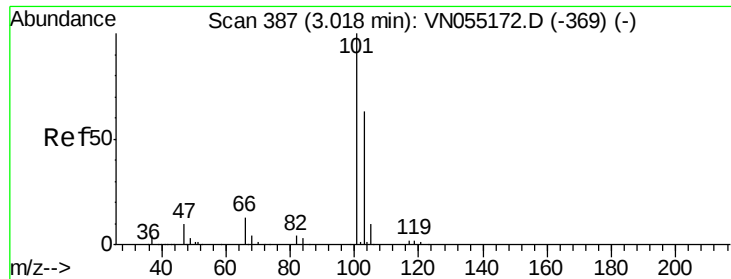
Tgt Ion: 94 Resp: 64721
Ion Ratio Lower Upper
94 100
96 95.4 73.4 110.2



#6
Chloroethane
Concen: 20.450 ug/l
RT: 2.70 min Scan# 289
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 64 Resp: 60606
Ion Ratio Lower Upper
64 100
66 33.0 25.9 38.9



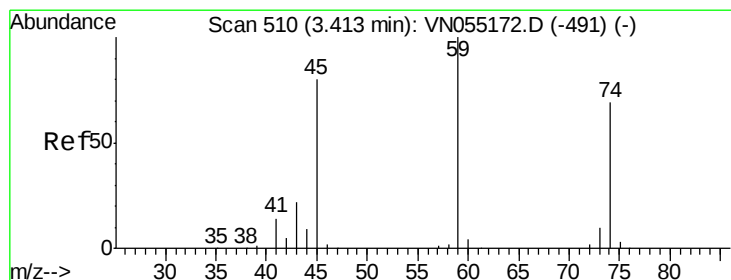
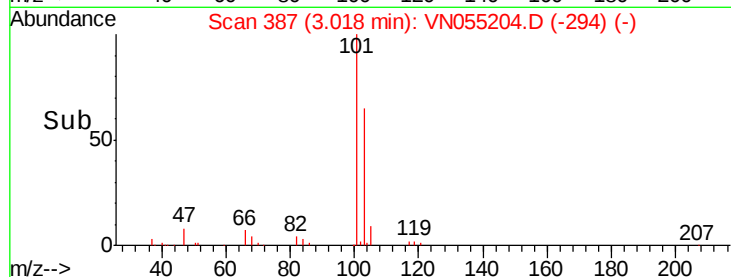
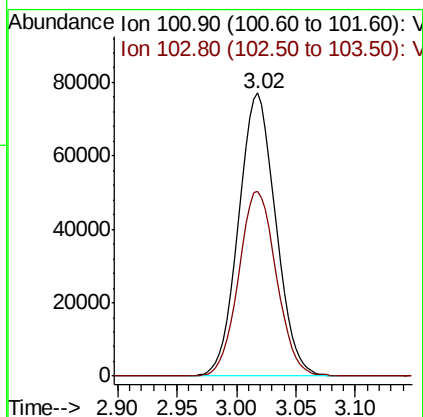
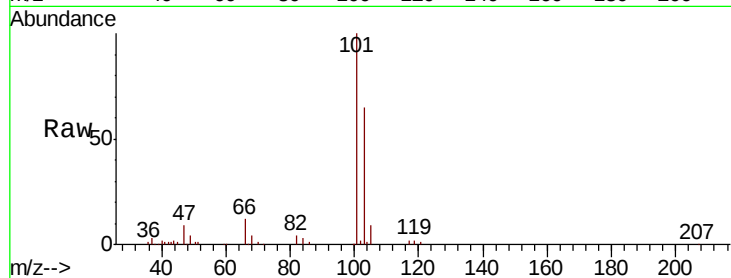


#7

Trichlorofluoromethane
 Concen: 21.818 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

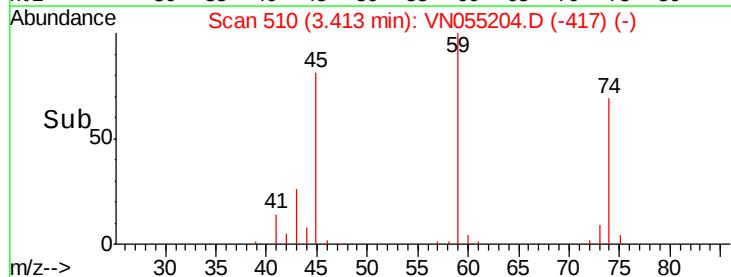
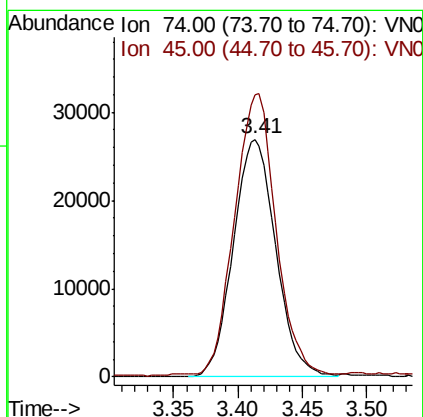
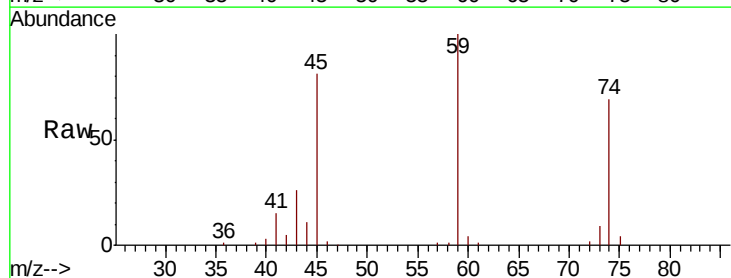
Tgt Ion:101 Resp: 166948
 Ion Ratio Lower Upper
 101 100
 103 65.2 50.1 75.1

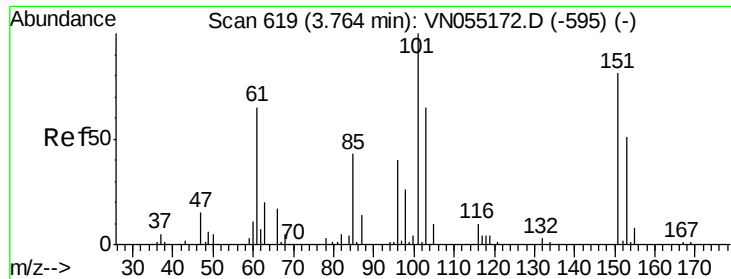


#8

Diethyl Ether
 Concen: 22.586 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 74 Resp: 61686
 Ion Ratio Lower Upper
 74 100
 45 118.4 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 21.001 ug/l

RT: 3.76 min Scan# 618

Delta R.T. -0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

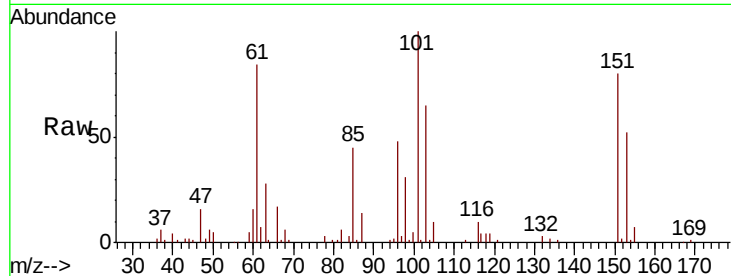
Tgt Ion:101 Resp: 100277

Ion Ratio Lower Upper

101 100

85 42.8 34.9 52.3

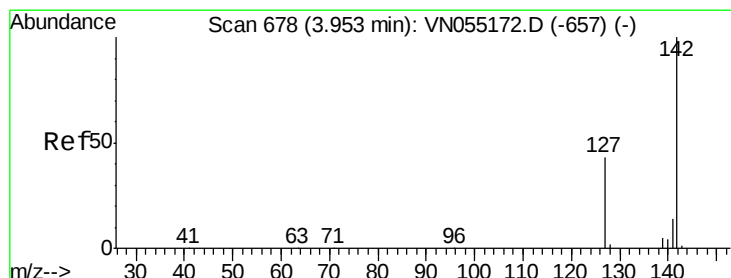
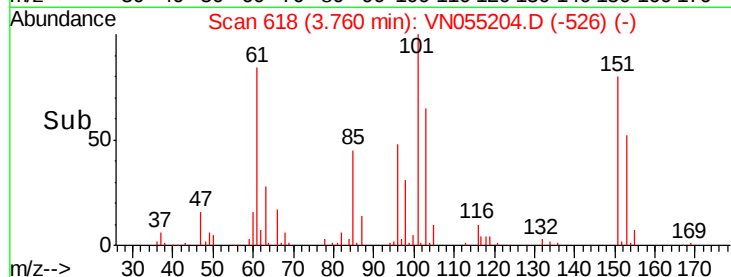
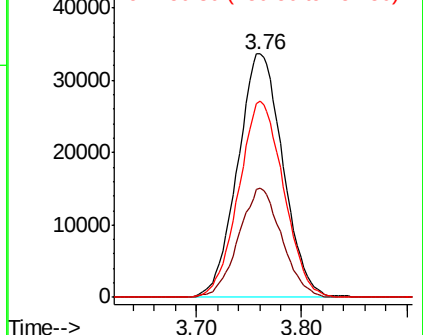
151 80.0 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 22.204 ug/l

RT: 3.95 min Scan# 678

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

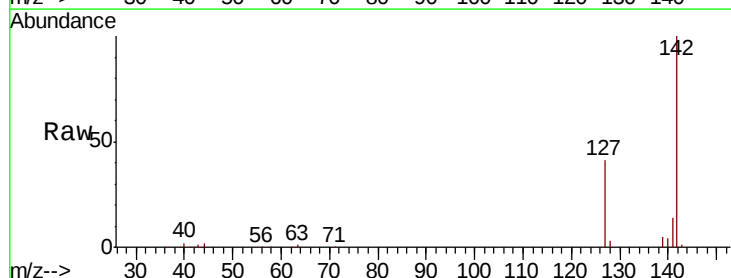
Tgt Ion:142 Resp: 148677

Ion Ratio Lower Upper

142 100

127 42.4 34.1 51.1

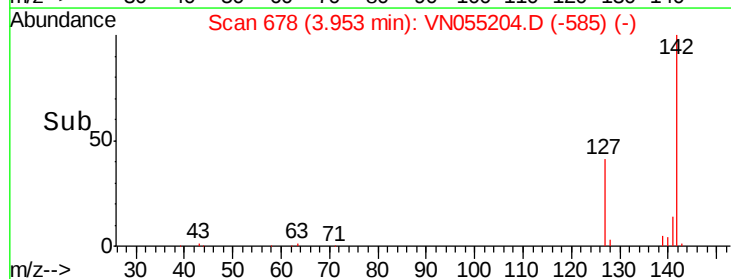
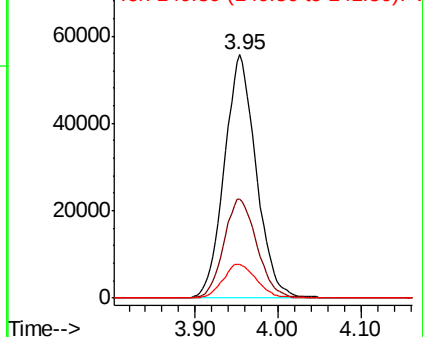
141 14.6 11.4 17.2

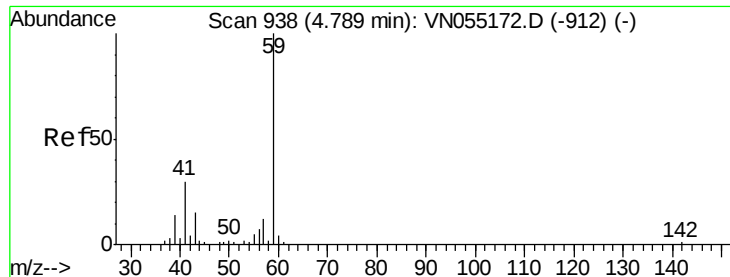


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



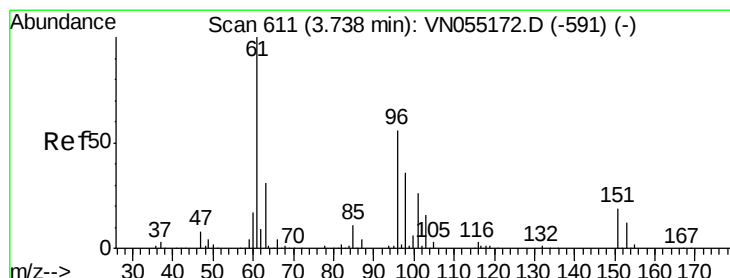
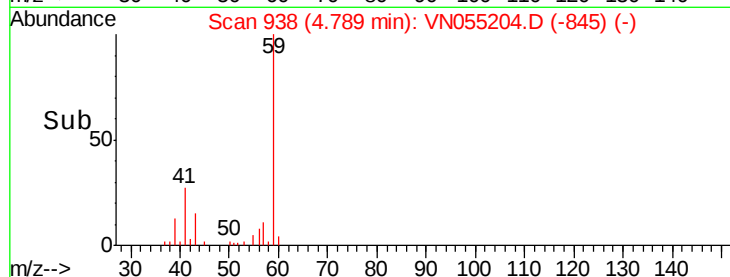
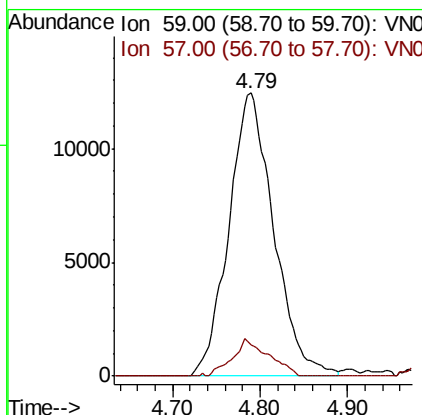
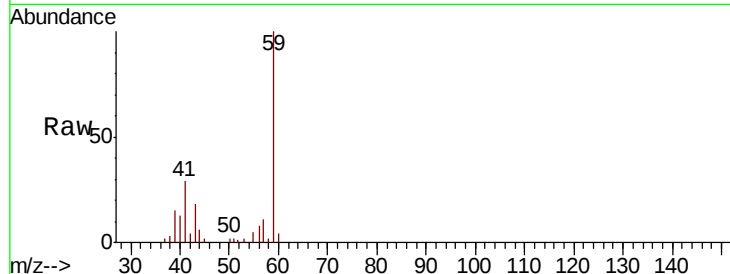


#11

Tert butyl alcohol
 Concen: 125.962 ug/l
 RT: 4.79 min Scan# 938
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampled :
 VN0423MBS01

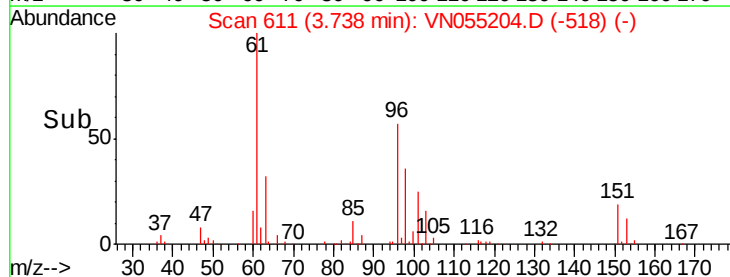
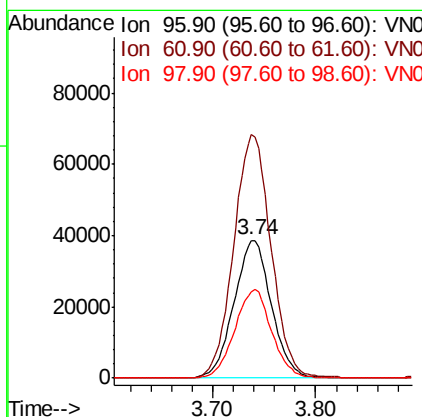
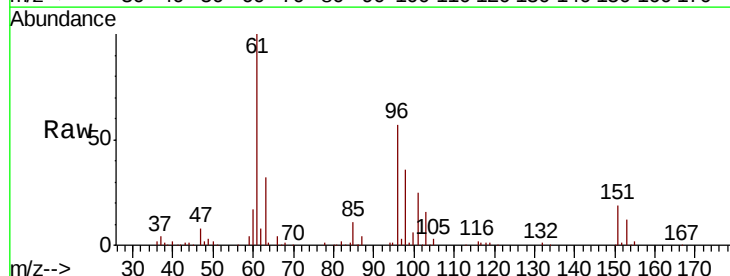
Tgt Ion: 59 Resp: 44271
 Ion Ratio Lower Upper
 59 100
 57 10.6 8.8 13.2

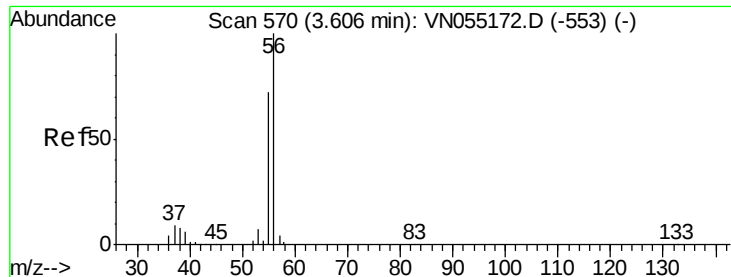


#12

1,1-Dichloroethene
 Concen: 21.300 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 96 Resp: 97468
 Ion Ratio Lower Upper
 96 100
 61 176.7 142.1 213.1
 98 63.0 51.2 76.8





#13

Acrolein

Concen: 116.389 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

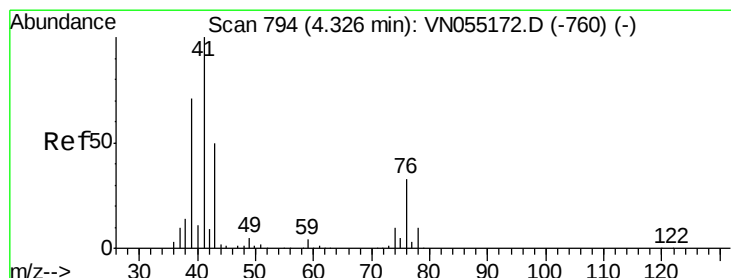
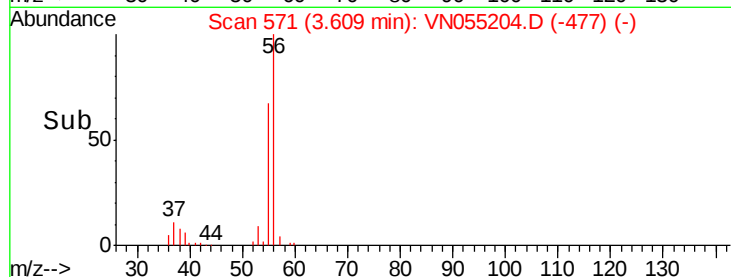
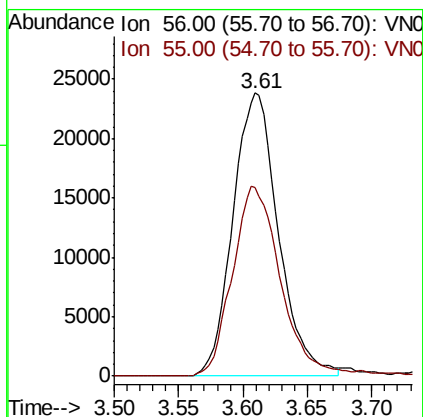
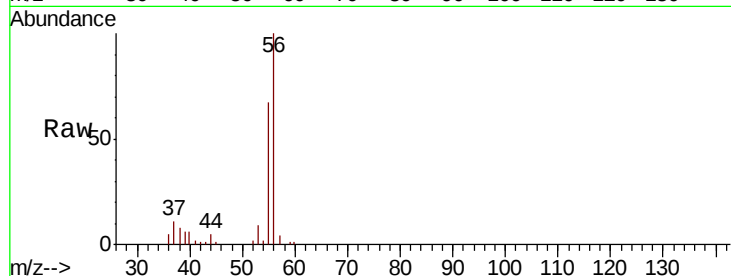
VN0423MBS01

Tgt Ion: 56 Resp: 58537

Ion Ratio Lower Upper

56 100

55 70.4 57.4 86.0



#14

Allyl chloride

Concen: 21.822 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

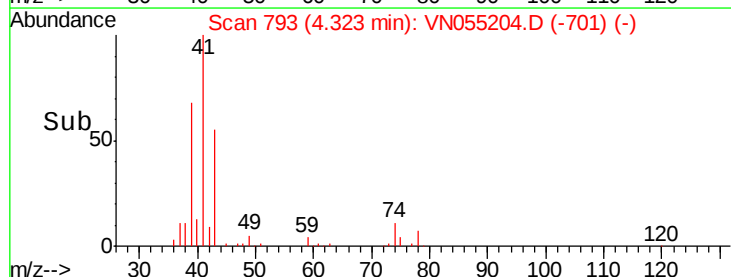
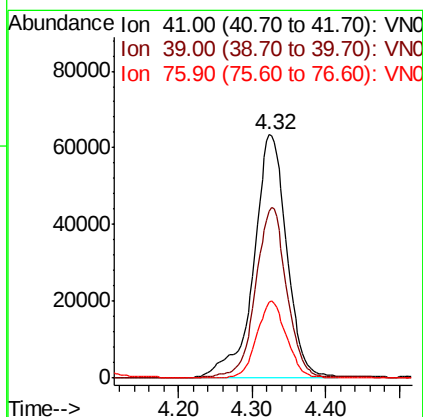
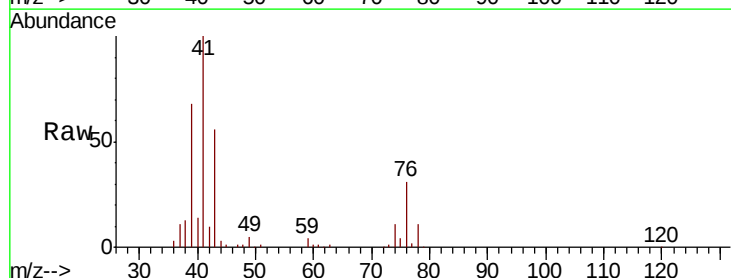
Tgt Ion: 41 Resp: 197408

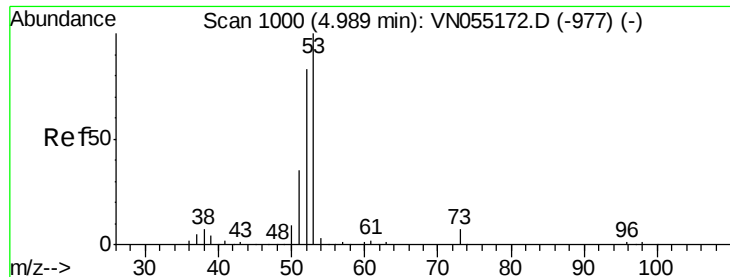
Ion Ratio Lower Upper

41 100

39 65.1 52.9 79.3

76 28.5 23.6 35.4





#15

Acrylonitrile

Concen: 119.609 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

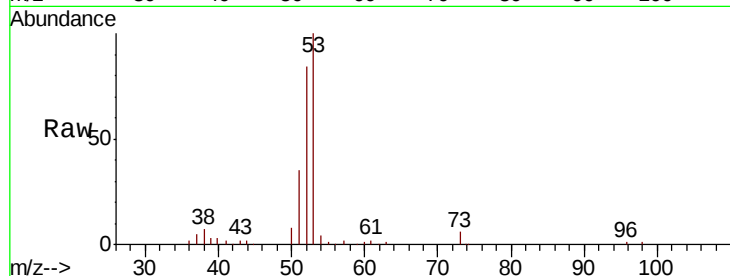
Tgt Ion: 53 Resp: 230549

Ion Ratio Lower Upper

53 100

52 82.3 65.8 98.8

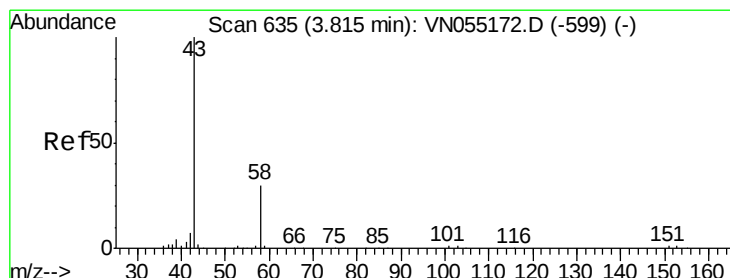
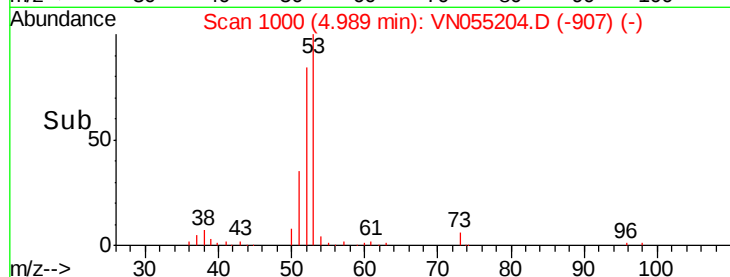
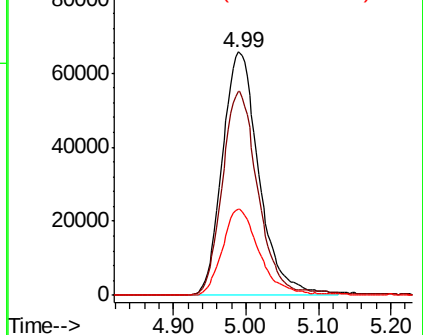
51 35.8 28.9 43.3



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 90.572 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055204.D

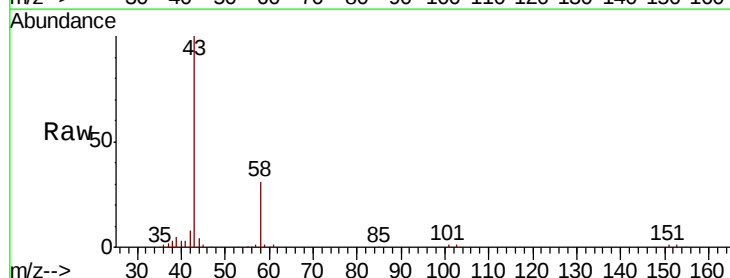
Acq: 23 Apr 2019 14:21

Tgt Ion: 43 Resp: 180251

Ion Ratio Lower Upper

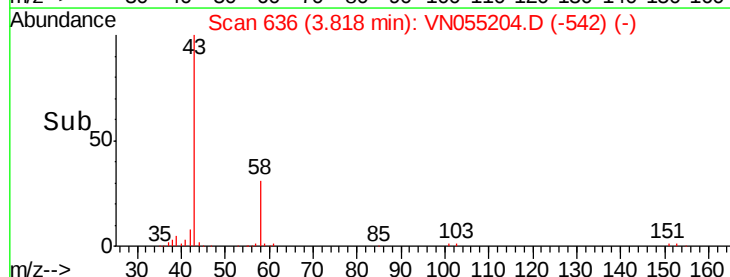
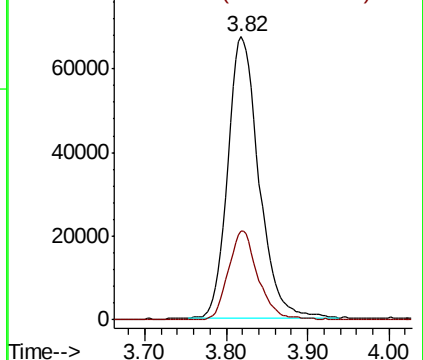
43 100

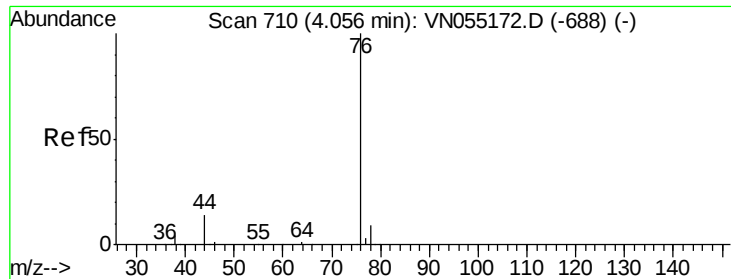
58 31.4 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

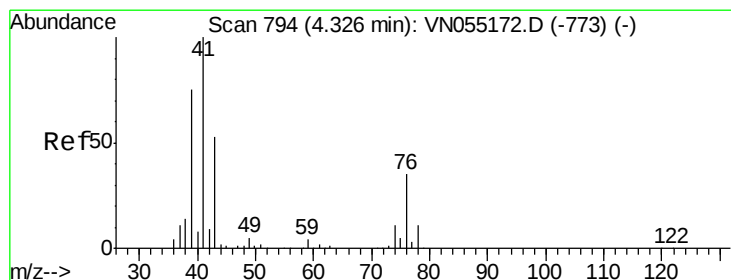
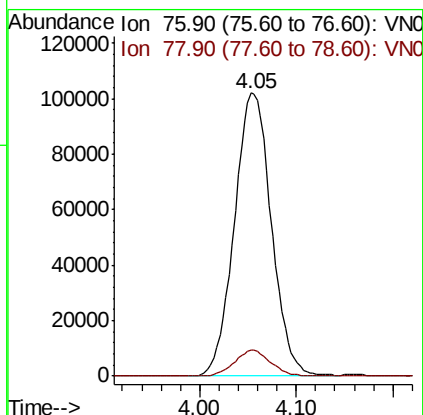
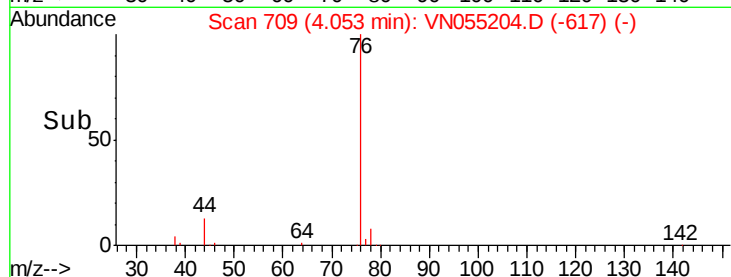
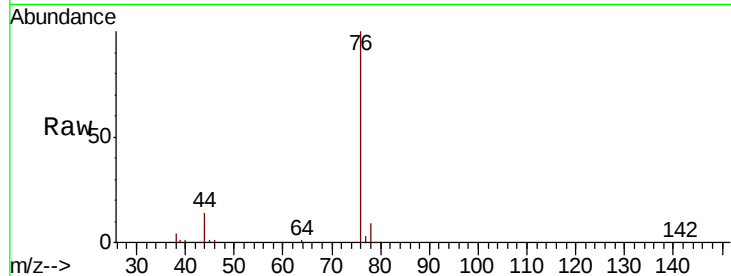




#17
Carbon Disulfide
Concen: 21.215 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

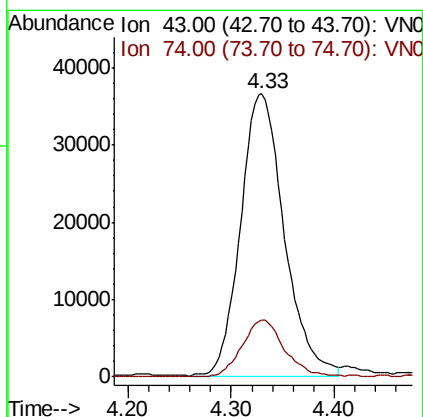
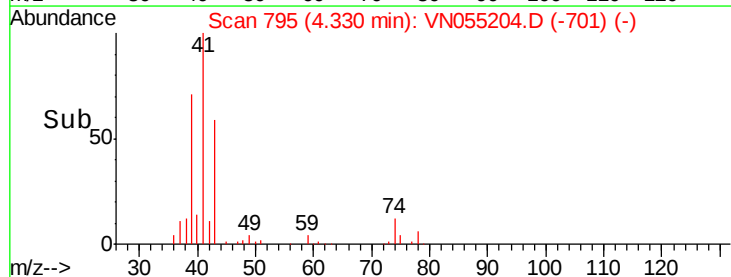
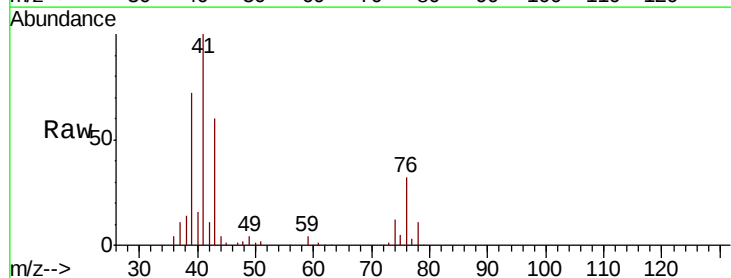
Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

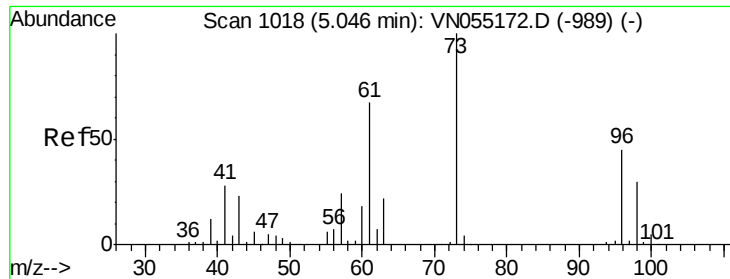
Tgt Ion: 76 Resp: 271395
Ion Ratio Lower Upper
76 100
78 9.1 7.3 10.9



#18
Methyl Acetate
Concen: 24.766 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 43 Resp: 108344
Ion Ratio Lower Upper
43 100
74 19.5 16.7 25.1

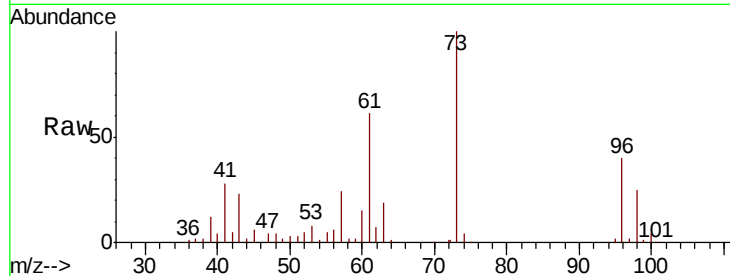




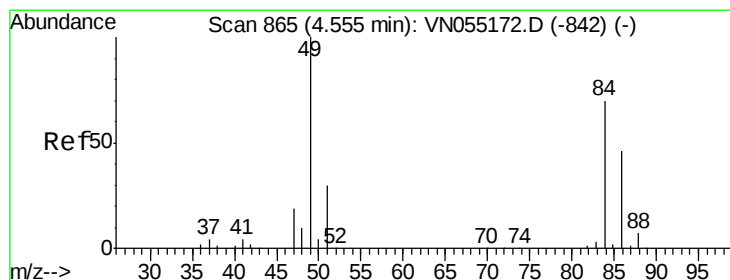
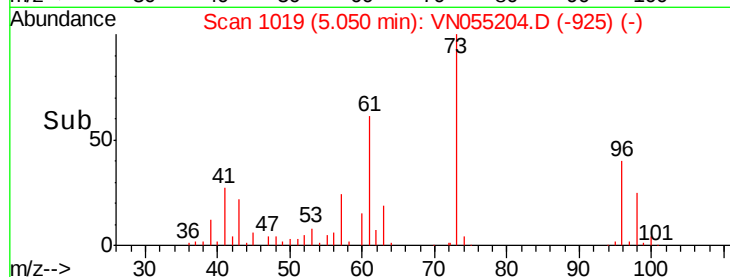
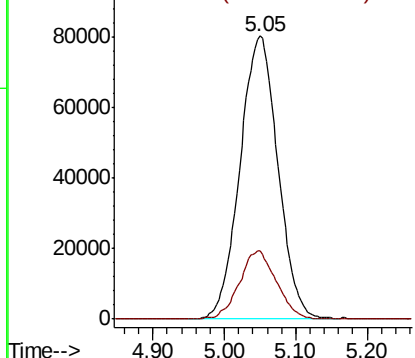
#19
Methyl tert-butyl Ether
Concen: 23.392 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tgt Ion: 73 Resp: 295949
Ion Ratio Lower Upper
73 100
57 24.0 19.5 29.3

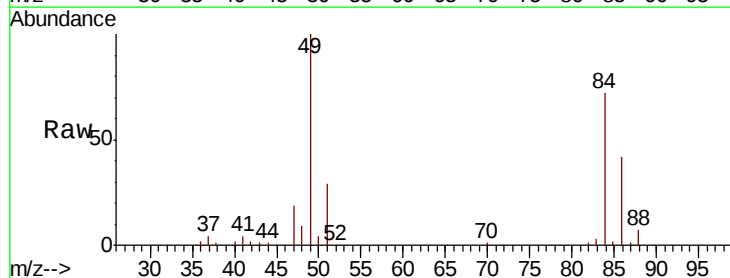


Abundance Ion 73.00 (72.70 to 73.70): VN0
Ion 57.00 (56.70 to 57.70): VN0

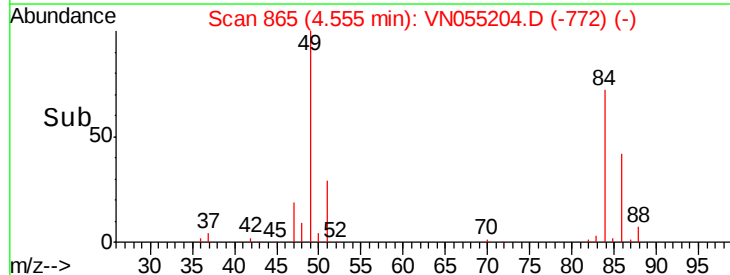
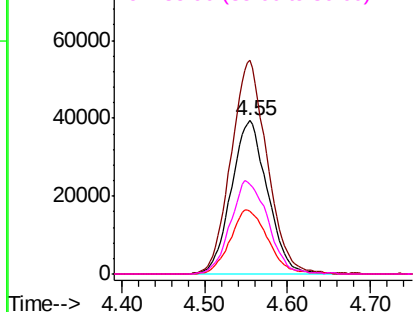


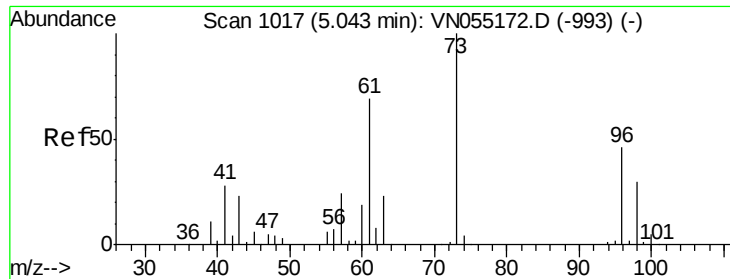
#20
Methylene Chloride
Concen: 20.920 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 84 Resp: 119689
Ion Ratio Lower Upper
84 100
49 139.6 113.8 170.6
51 41.0 34.0 51.0
86 58.5 52.3 78.5



Abundance Ion 83.90 (83.60 to 84.60): VN0
Ion 48.90 (48.60 to 49.60): VN0
Ion 50.90 (50.60 to 51.60): VN0
Ion 85.90 (85.60 to 86.60): VN0





#21

trans-1,2-Dichloroethene

Concen: 21.932 ug/l

RT: 5.04 min Scan# 1017

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

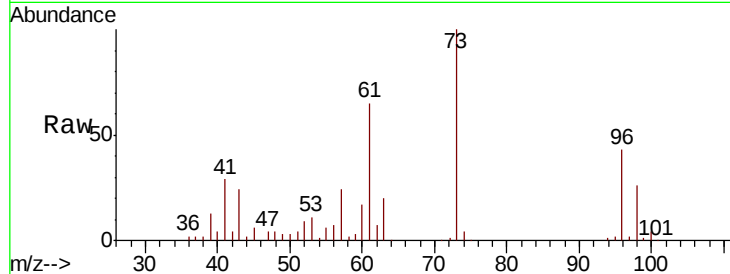
Tgt Ion: 96 Resp: 105240

Ion Ratio Lower Upper

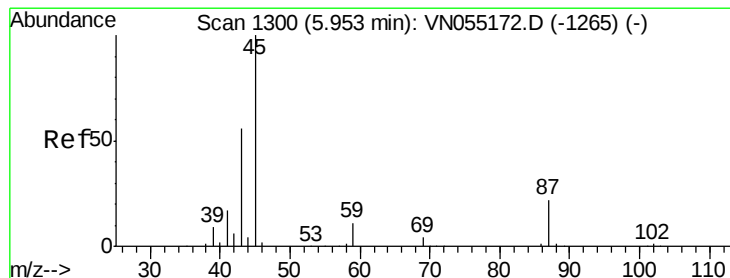
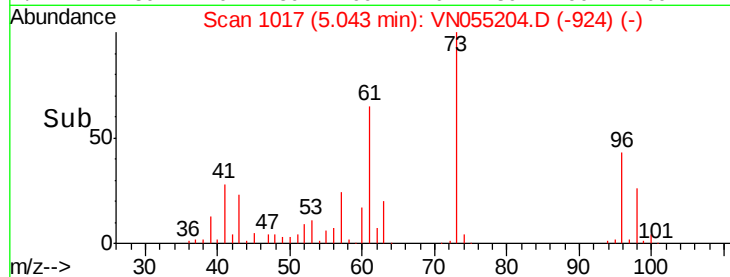
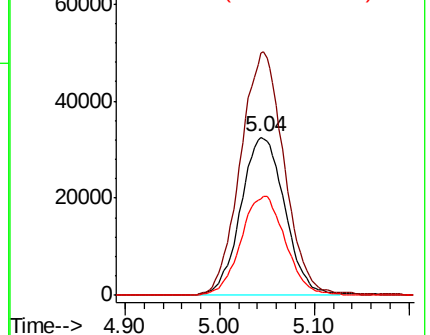
96 100

61 153.0 119.3 178.9

98 61.3 53.0 79.4



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



#22

Diisopropyl ether

Concen: 21.972 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion: 45 Resp: 396188

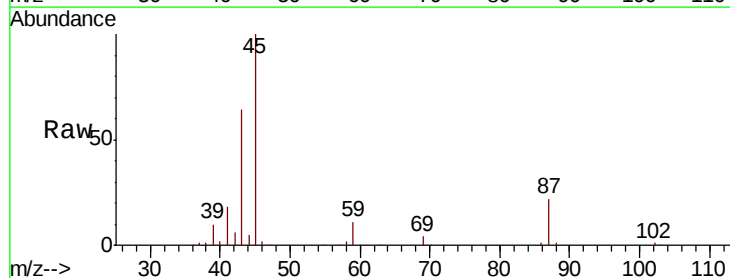
Ion Ratio Lower Upper

45 100

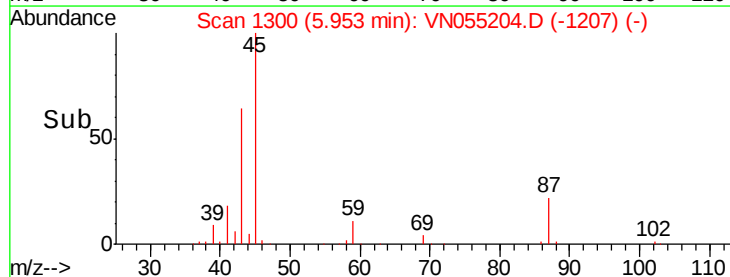
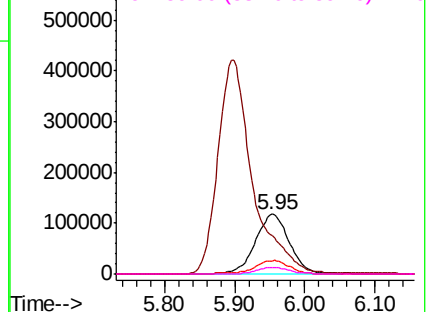
43 62.7 47.4 71.0

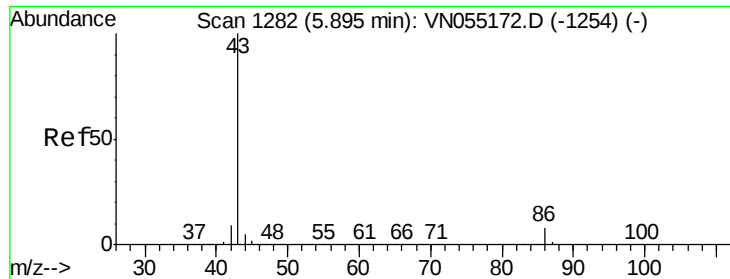
87 22.0 18.4 27.6

59 10.4 8.6 12.8



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

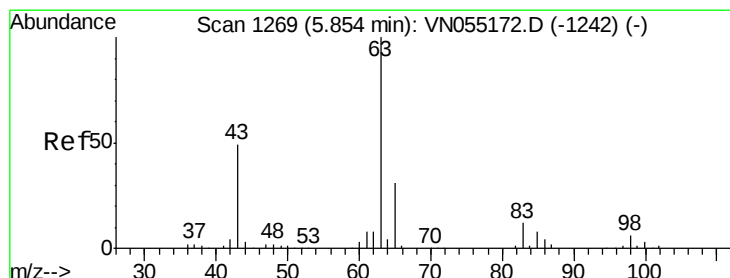
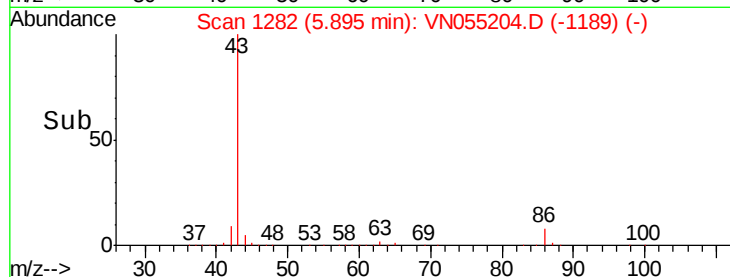
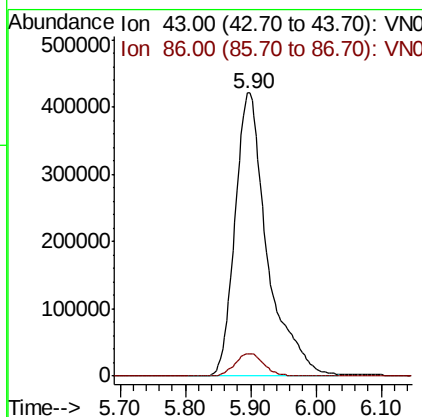
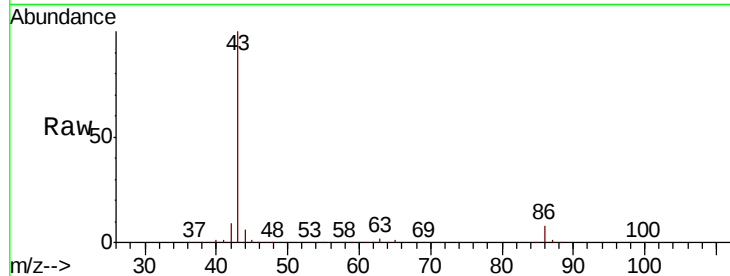




#23
 Vinyl Acetate
 Concen: 119.111 ug/l
 RT: 5.90 min Scan# 1282
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

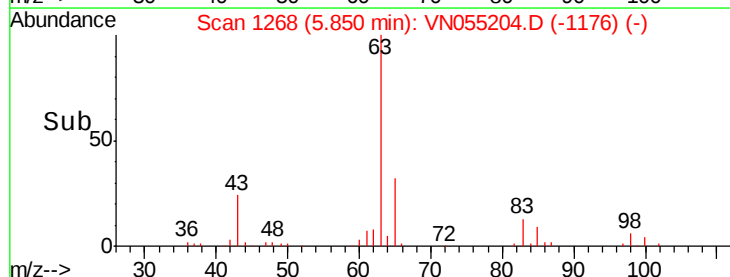
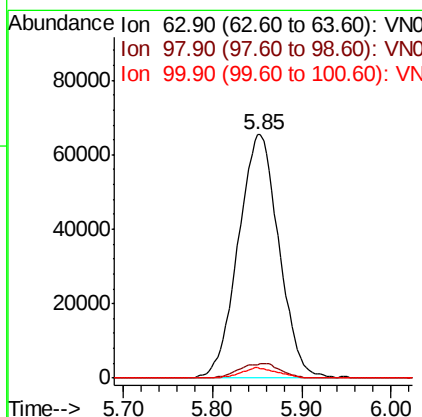
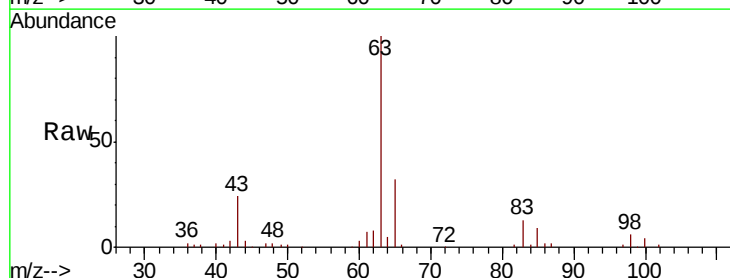
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

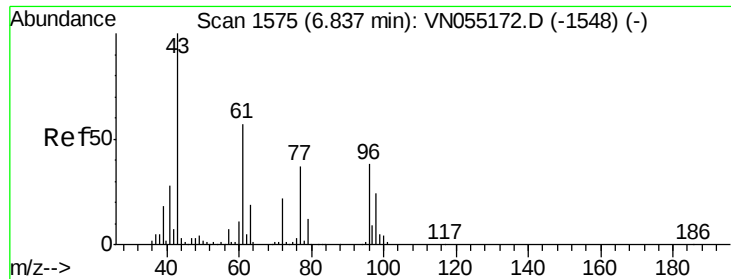
Tgt Ion: 43 Resp: 1443297
 Ion Ratio Lower Upper
 43 100
 86 8.0 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 21.340 ug/l
 RT: 5.85 min Scan# 1268
 Delta R.T. -0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 63 Resp: 206976
 Ion Ratio Lower Upper
 63 100
 98 5.7 3.1 9.3
 100 4.3 1.8 5.3

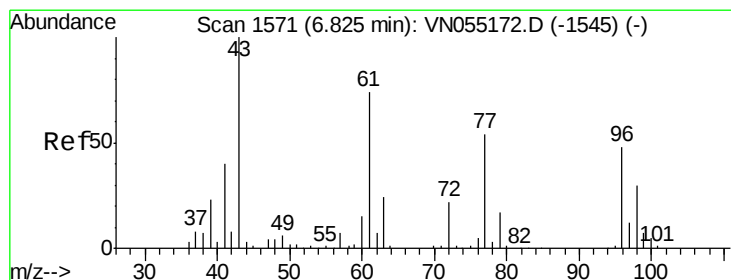
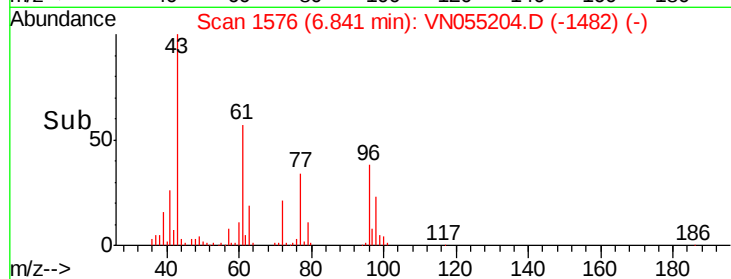
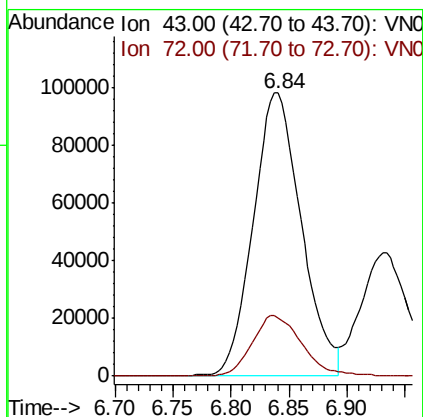
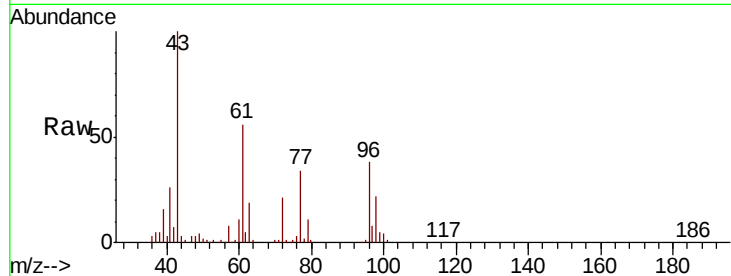




#25
2-Butanone
Concen: 109.556 ug/l
RT: 6.84 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

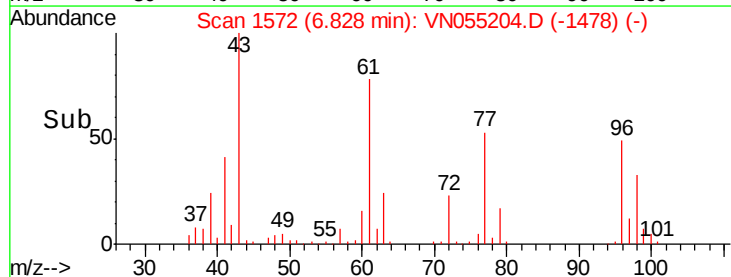
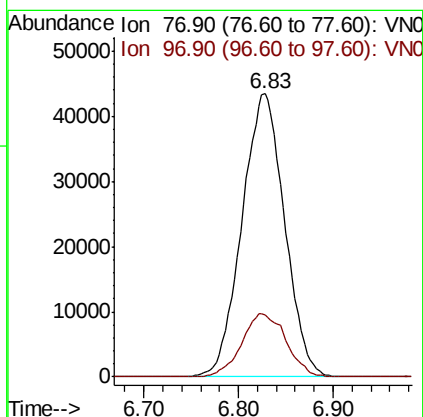
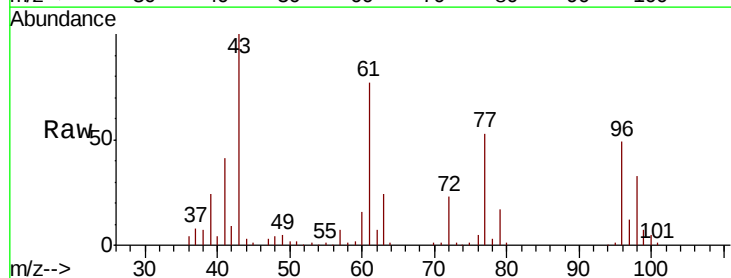
Instrument :
MSVOA_N
ClientSampled :
VN0423MBS01

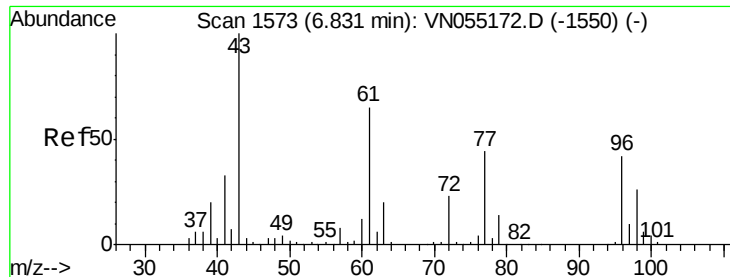
Tgt Ion: 43 Resp: 281485
Ion Ratio Lower Upper
43 100
72 20.6 17.8 26.8



#26
2,2-Dichloropropane
Concen: 20.716 ug/l
RT: 6.83 min Scan# 1572
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 77 Resp: 135967
Ion Ratio Lower Upper
77 100
97 23.2 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 21.571 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

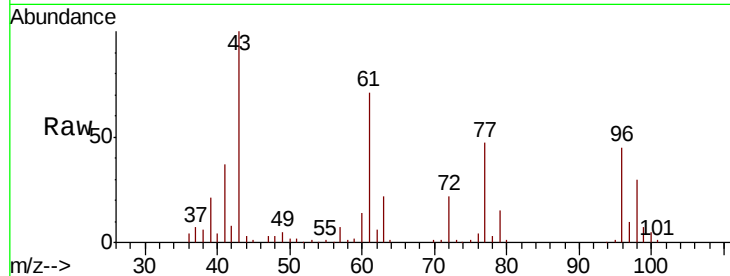
Tgt Ion: 96 Resp: 119319

Ion Ratio Lower Upper

96 100

61 155.2 0.0 310.8

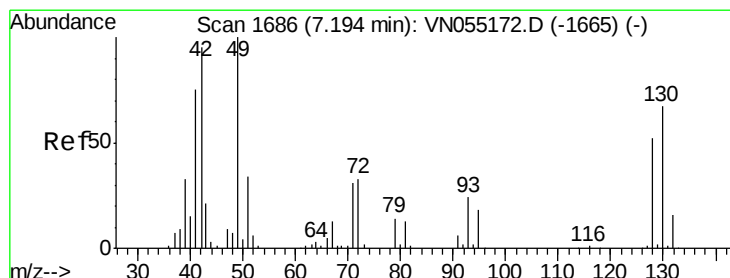
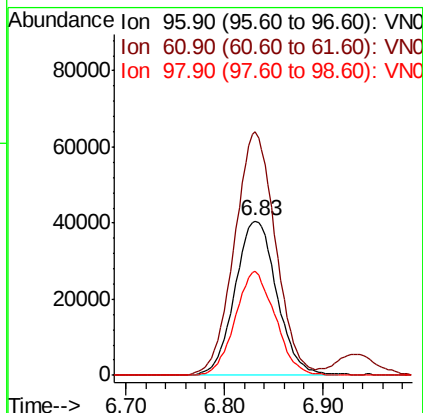
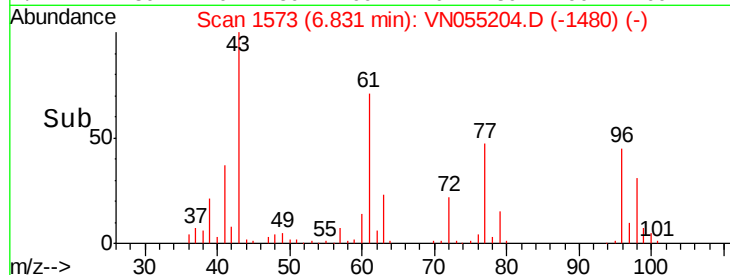
98 64.2 0.0 127.4



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: 22.517 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

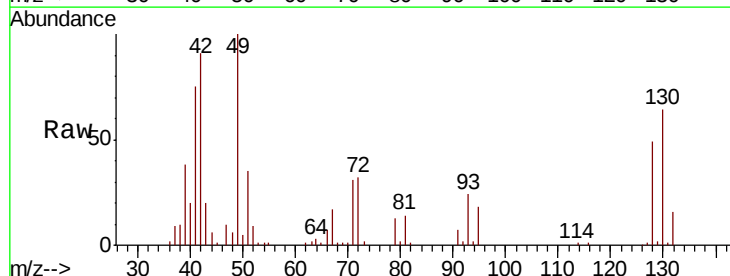
Tgt Ion: 49 Resp: 111327

Ion Ratio Lower Upper

49 100

129 1.7 0.0 3.8

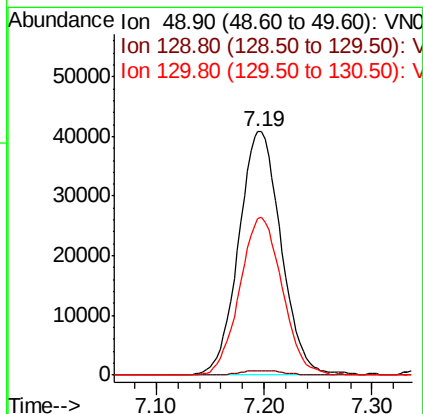
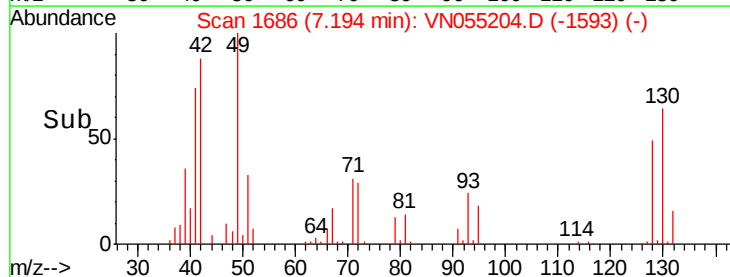
130 64.8 53.4 80.2

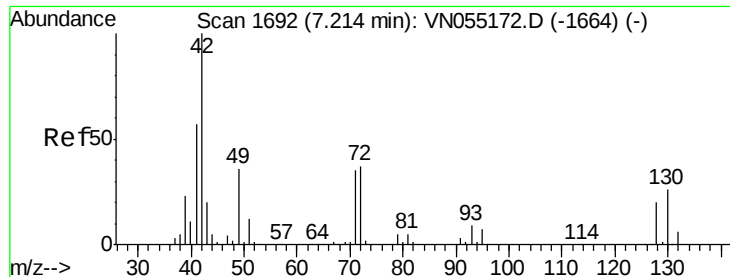


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 123.408 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

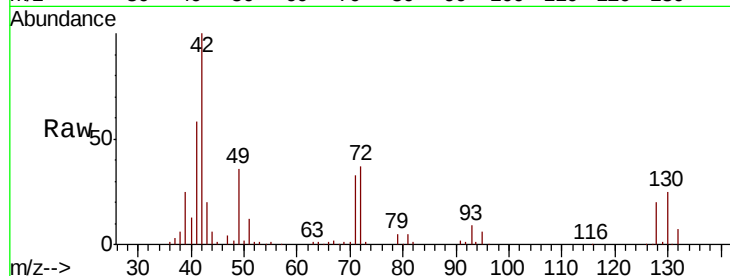
Tgt Ion: 42 Resp: 194952

Ion Ratio Lower Upper

42 100

72 35.7 29.4 44.2

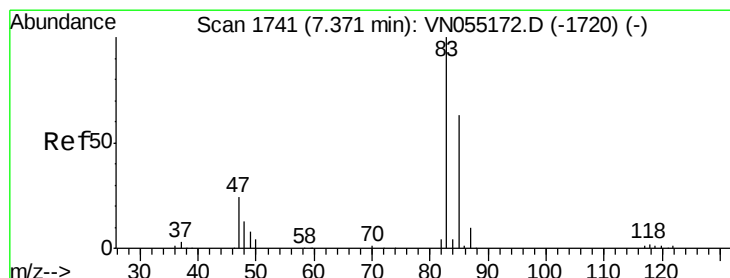
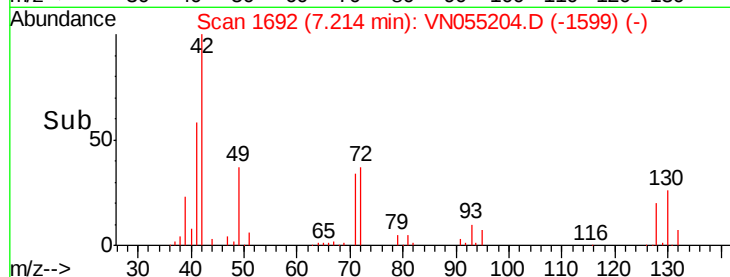
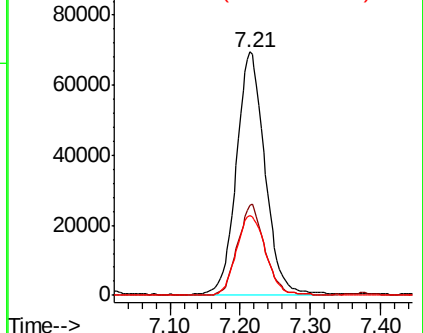
71 33.9 27.8 41.8



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: 21.284 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055204.D

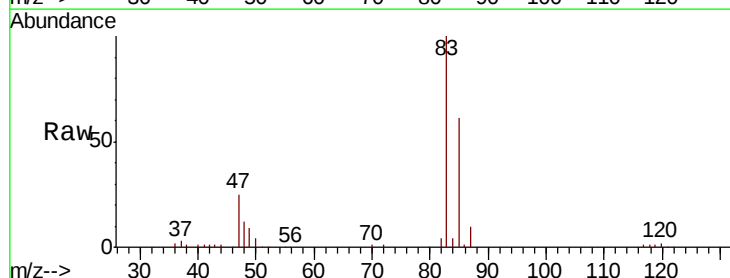
Acq: 23 Apr 2019 14:21

Tgt Ion: 83 Resp: 196368

Ion Ratio Lower Upper

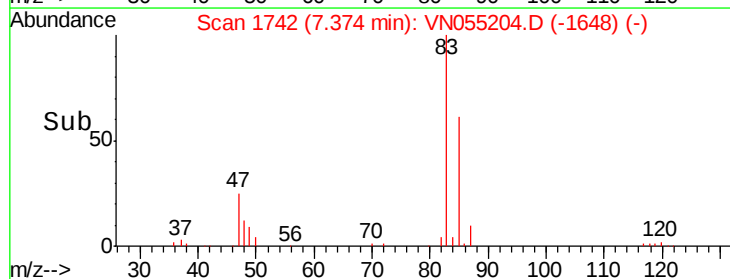
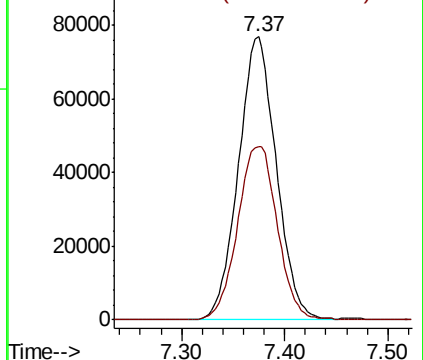
83 100

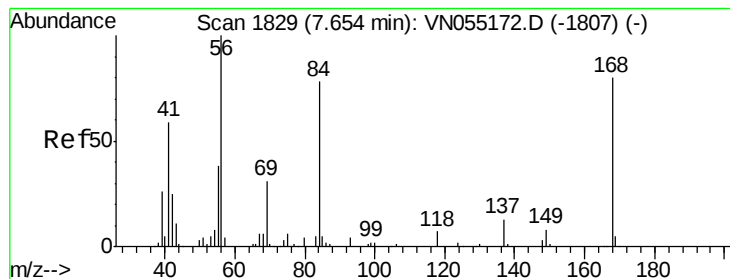
85 61.3 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 21.460 ug/l

RT: 7.65 min Scan# 1829

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

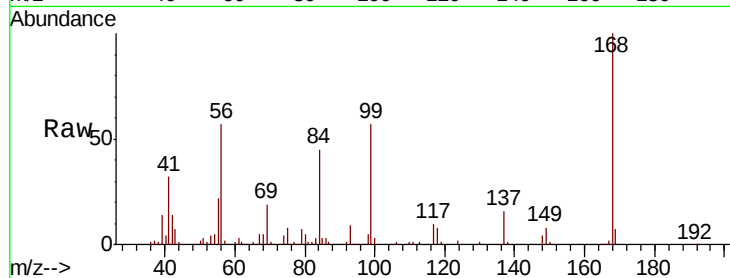
Tgt Ion: 56 Resp: 201606

Ion Ratio Lower Upper

56 100

69 33.1 24.6 37.0

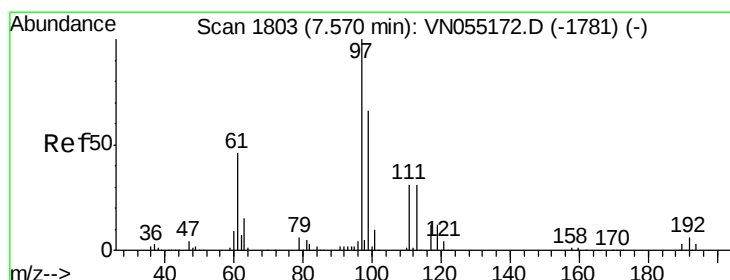
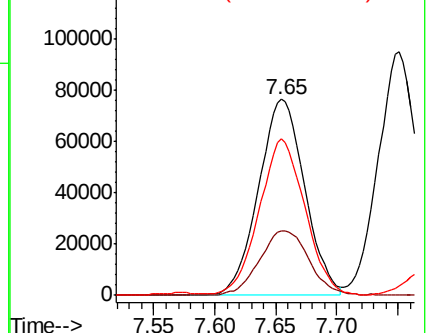
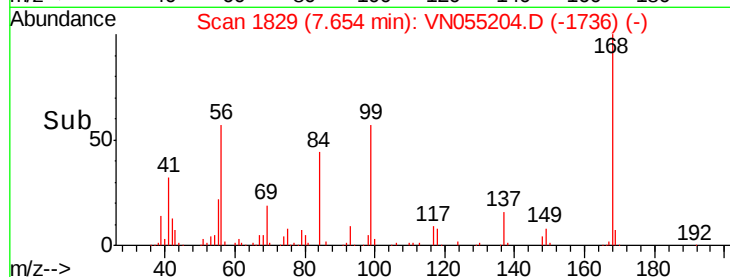
84 78.7 61.4 92.2



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: 21.990 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

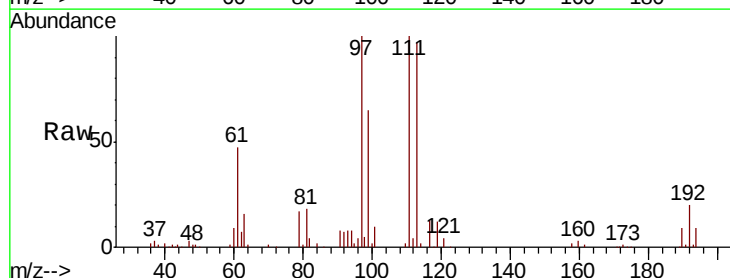
Tgt Ion: 97 Resp: 162990

Ion Ratio Lower Upper

97 100

99 64.4 51.1 76.7

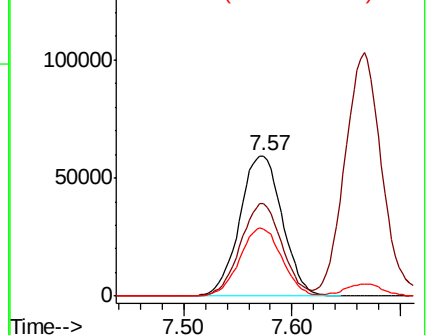
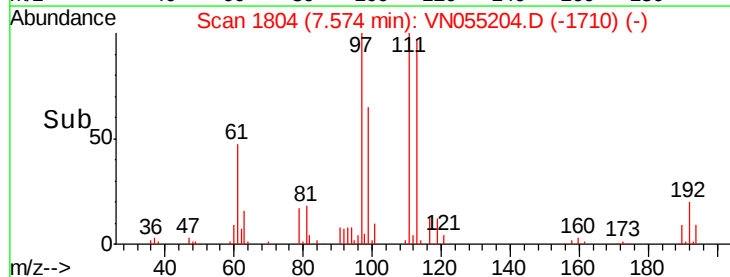
61 47.7 38.3 57.5

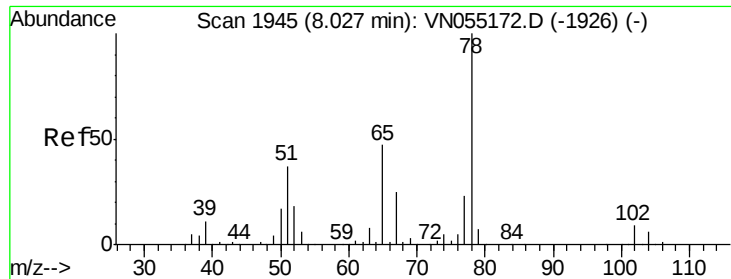


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

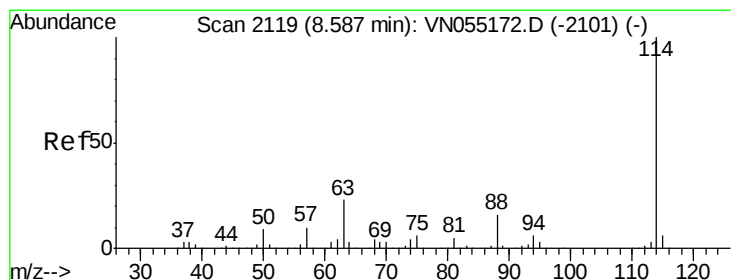
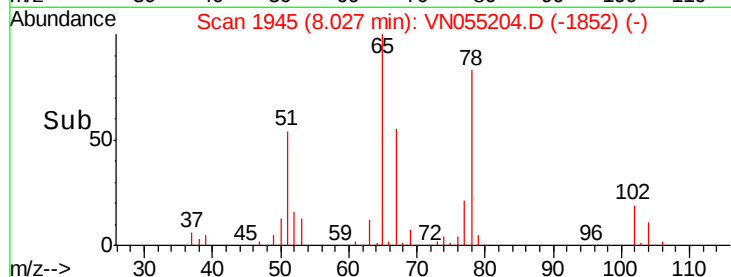
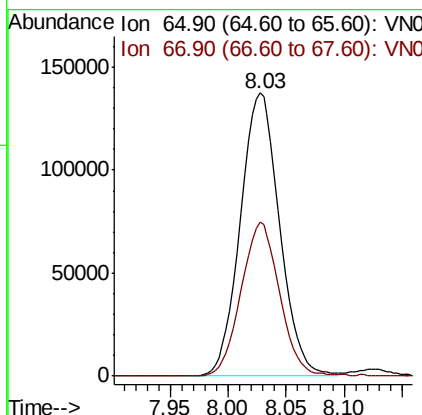
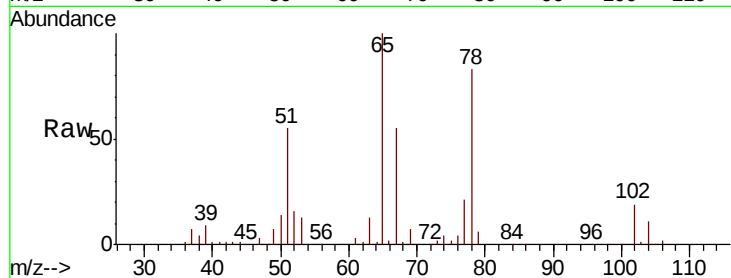




#33
 1,2-Dichloroethane-d4
 Concen: 53.789 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

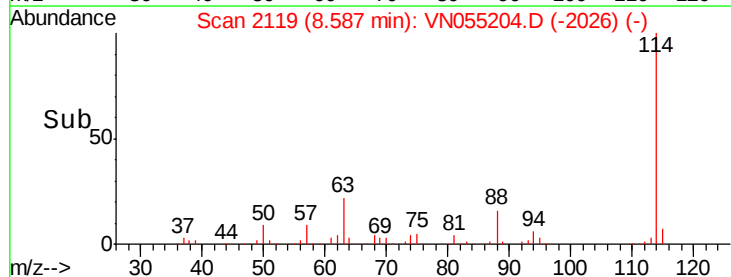
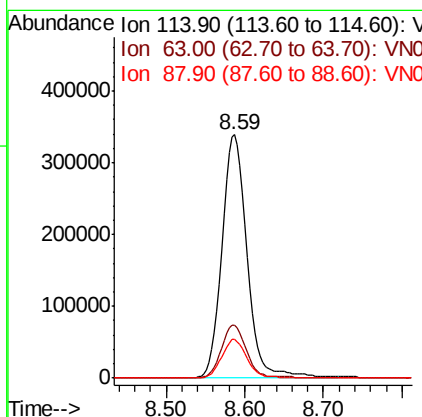
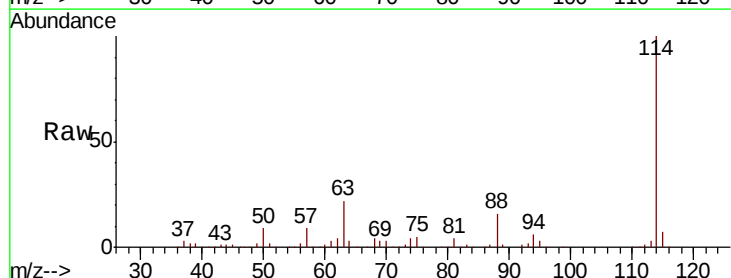
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

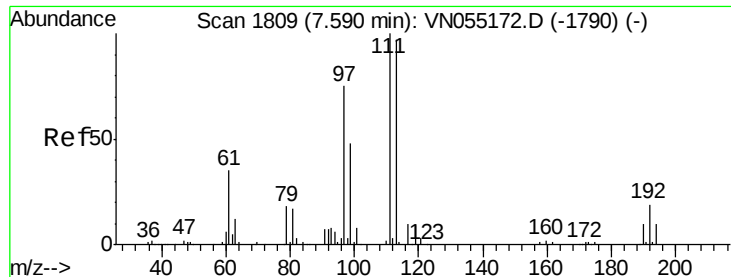
Tgt Ion: 65 Resp: 323813
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 114 Resp: 745920
 Ion Ratio Lower Upper
 114 100
 63 21.7 0.0 45.2
 88 15.7 0.0 32.8

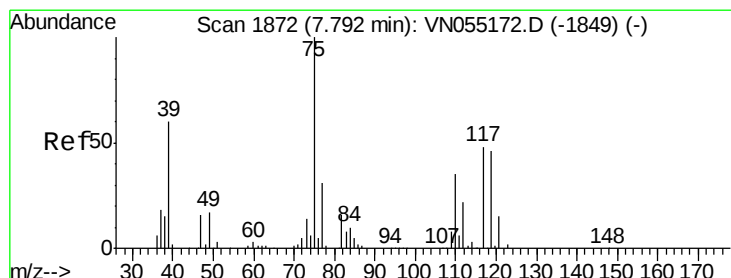
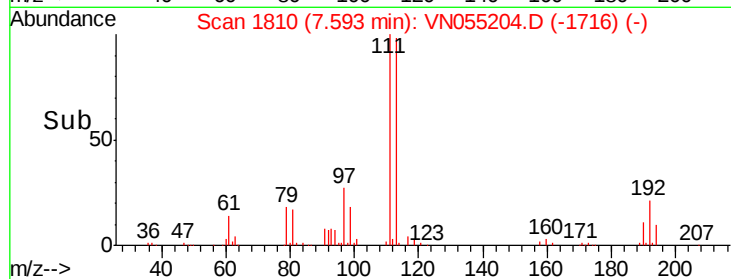
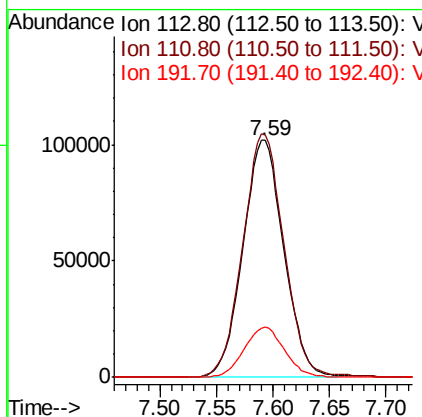
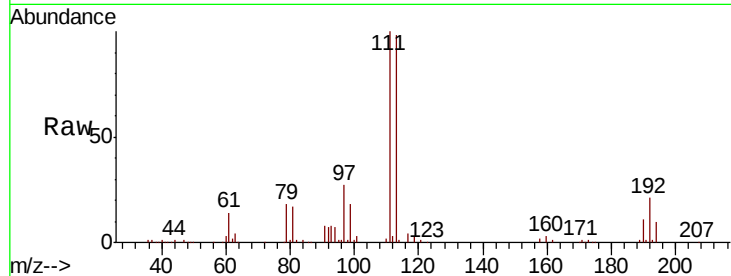




#35
 Dibromofluoromethane
 Concen: 50.517 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

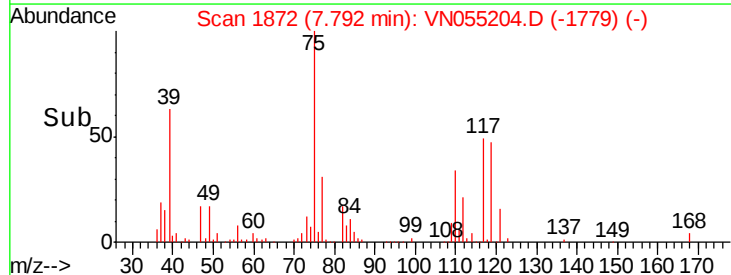
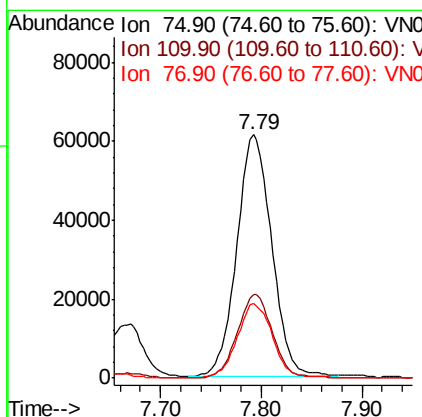
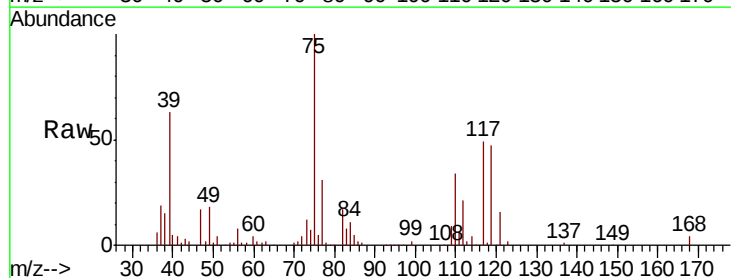
Instrument :
 MSVOA_N
 ClientSampled :
 VN0423MBS01

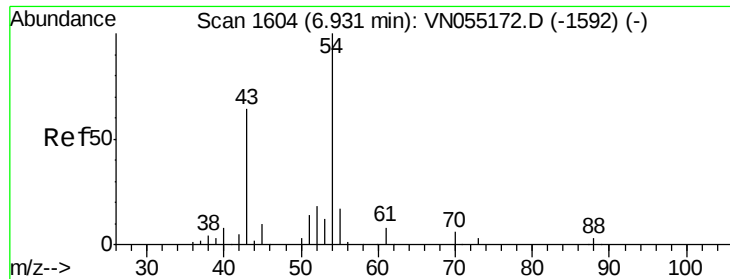
Tgt Ion	Ratio	Lower	Upper
113	100		
111	104.0	81.0	121.4
192	21.1	16.2	24.4



#36
 1,1-Dichloropropene
 Concen: 21.311 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion	Ratio	Lower	Upper
75	100		
110	34.6	17.1	51.2
77	31.4	24.6	36.8

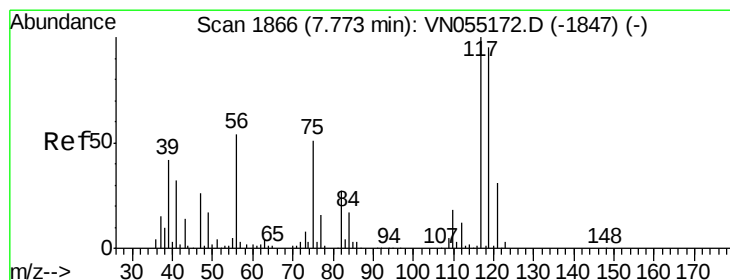
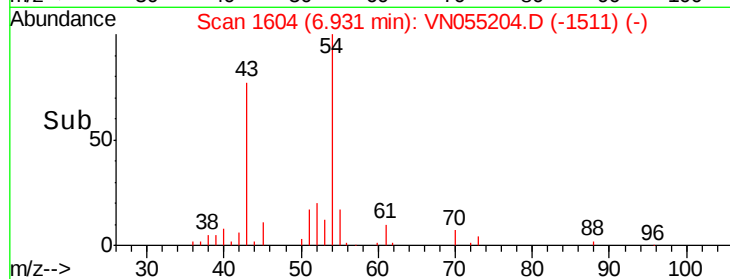
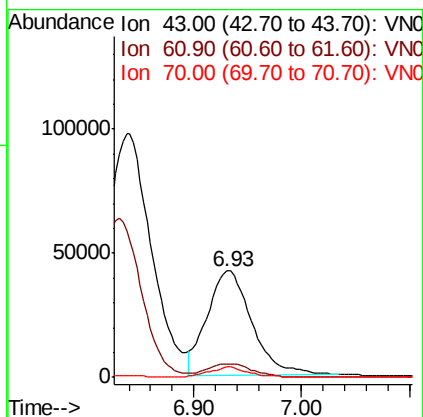
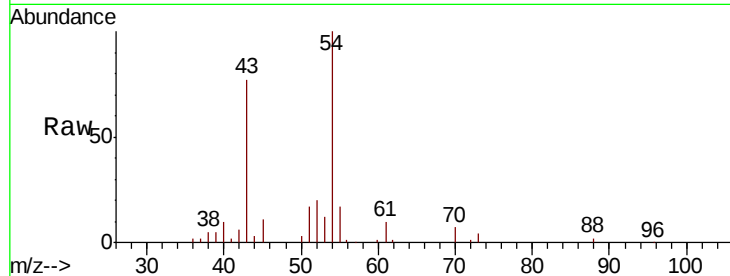




#37
Ethyl Acetate
Concen: 21.687 ug/l
RT: 6.93 min Scan# 1604
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

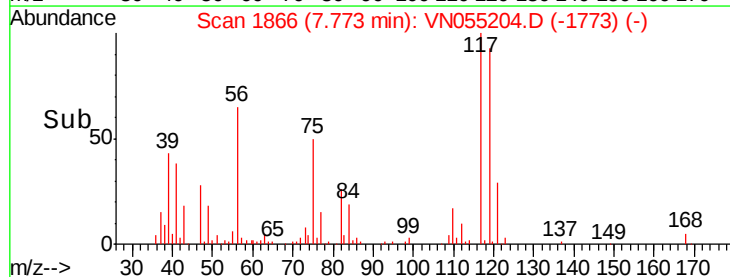
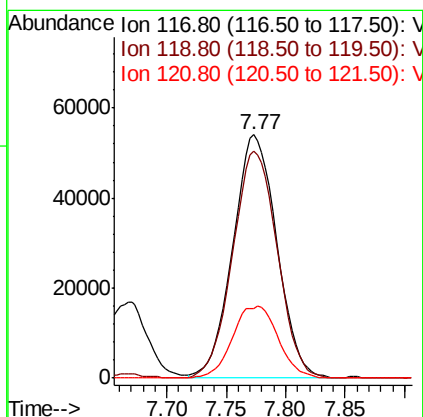
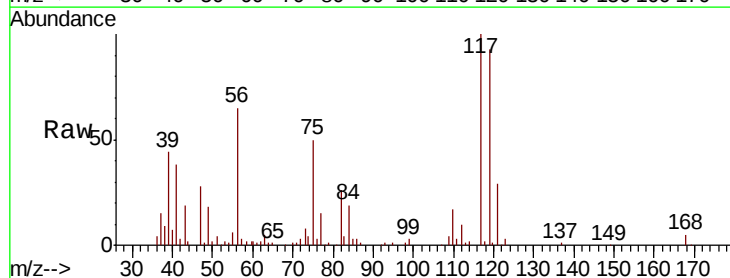
Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

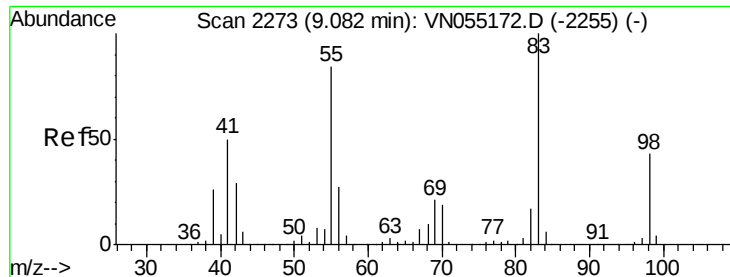
Tgt Ion: 43 Resp: 121172
Ion Ratio Lower Upper
43 100
61 12.4 9.7 14.5
70 8.8 6.9 10.3



#38
Carbon Tetrachloride
Concen: 21.357 ug/l
RT: 7.77 min Scan# 1866
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 117 Resp: 138464
Ion Ratio Lower Upper
117 100
119 93.3 76.0 114.0
121 28.8 24.6 36.8

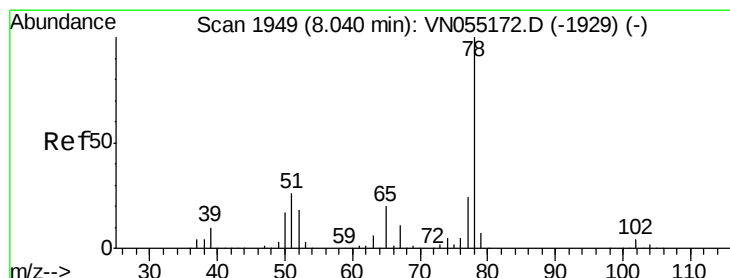
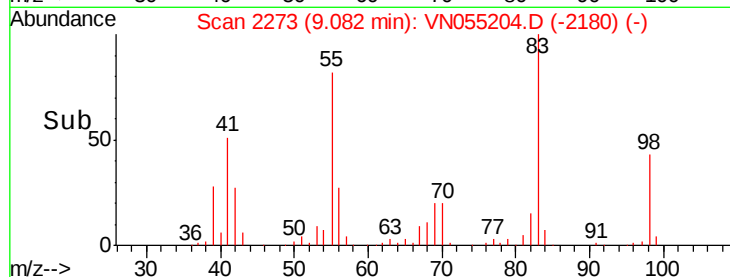
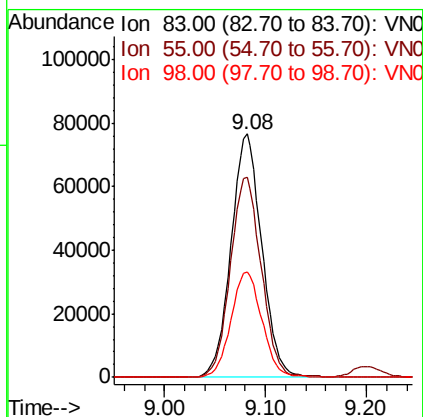
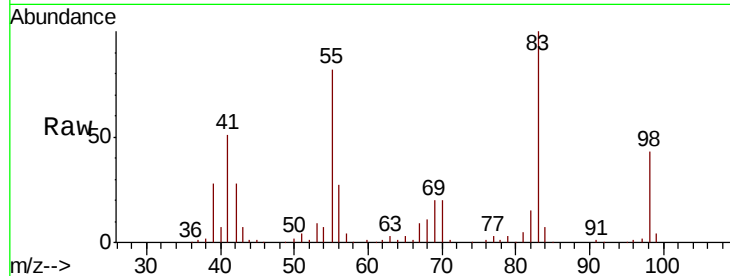




#39
Methylcyclohexane
Concen: 19.615 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

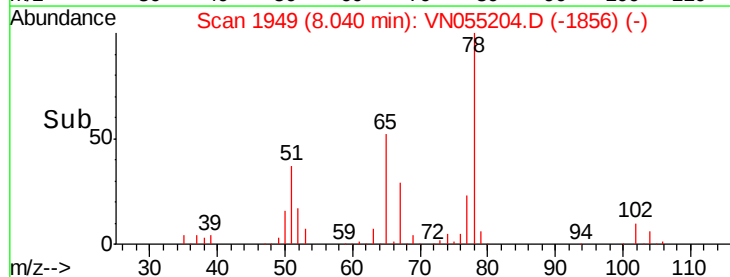
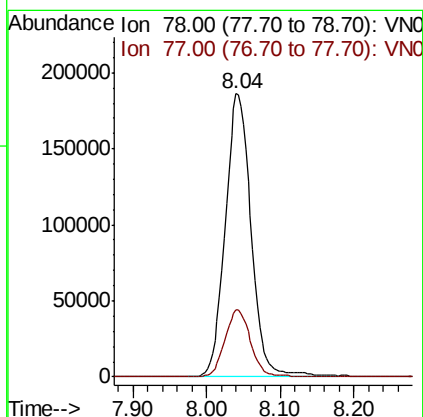
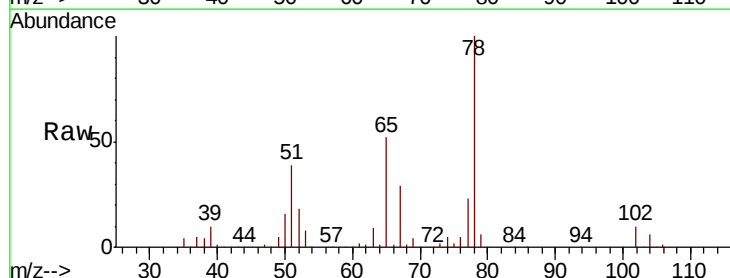
Instrument :
MSVOA_N
ClientSampled :
VN0423MBS01

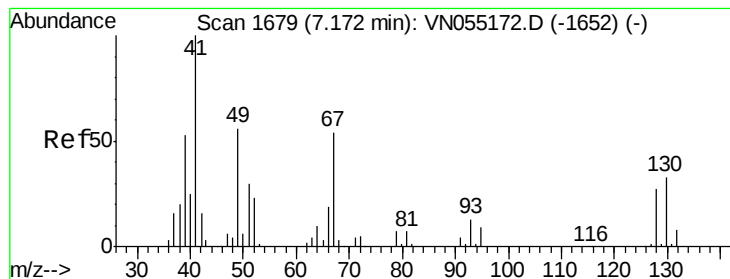
Tgt Ion: 83 Resp: 162007
Ion Ratio Lower Upper
83 100
55 82.1 67.4 101.0
98 43.1 34.7 52.1



#40
Benzene
Concen: 21.266 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 78 Resp: 454490
Ion Ratio Lower Upper
78 100
77 23.5 19.5 29.3





#41

Methacrylonitrile

Concen: 24.763 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0423MBS01

Tgt Ion: 41 Resp: 72537

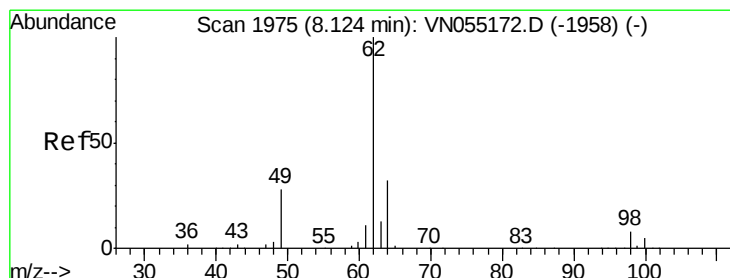
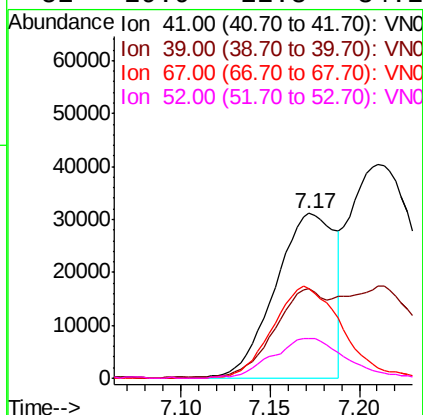
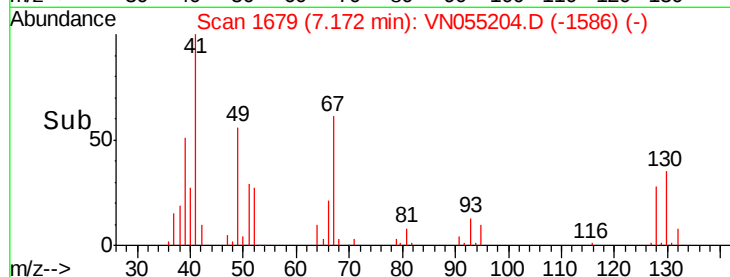
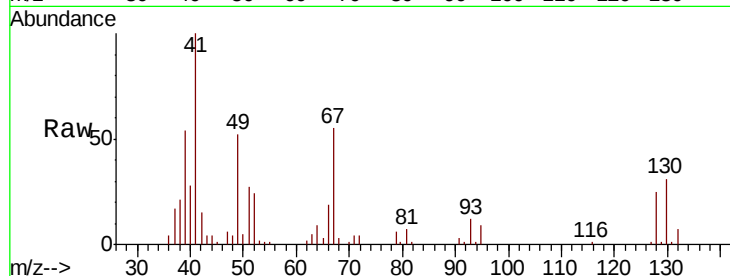
Ion Ratio Lower Upper

41 100

39 44.7 45.4 68.0#

67 65.4 54.6 81.8

52 29.9 22.8 34.2



#42

1,2-Dichloroethane

Concen: 20.941 ug/l

RT: 8.13 min Scan# 1976

Delta R.T. 0.00 min

Lab File: VN055204.D

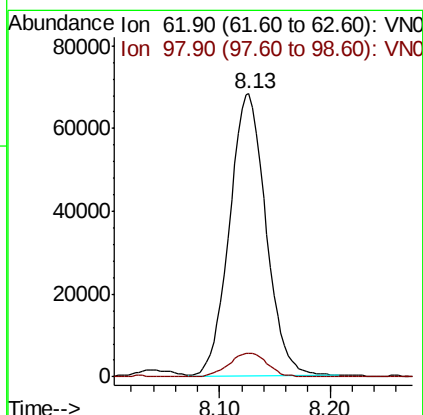
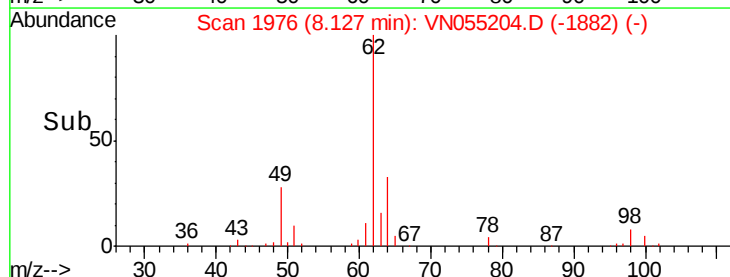
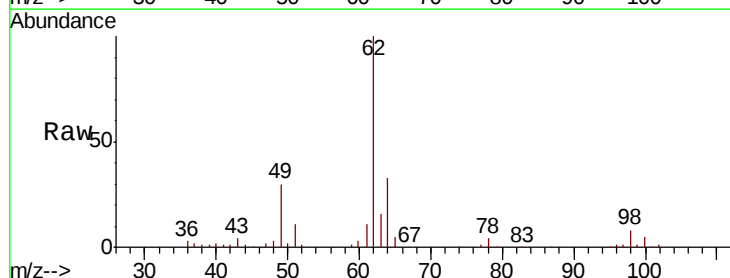
Acq: 23 Apr 2019 14:21

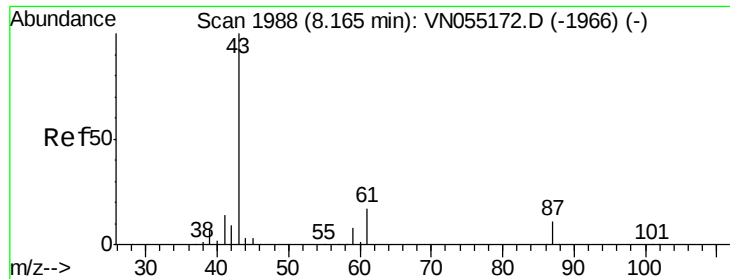
Tgt Ion: 62 Resp: 156136

Ion Ratio Lower Upper

62 100

98 8.9 0.0 17.0





#43

Isopropyl Acetate

Concen: 24.928 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0423MBS01

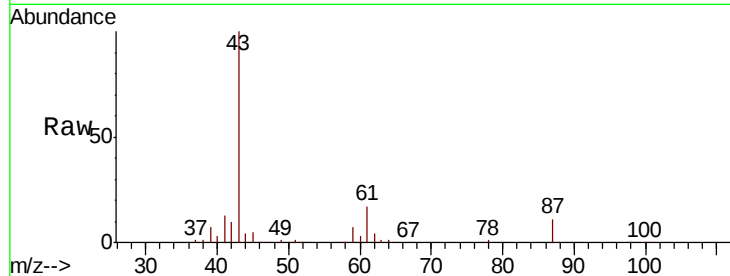
Tgt Ion: 43 Resp: 225539

Ion Ratio Lower Upper

43 100

61 16.3 20.6 30.8#

87 10.1 8.8 13.2

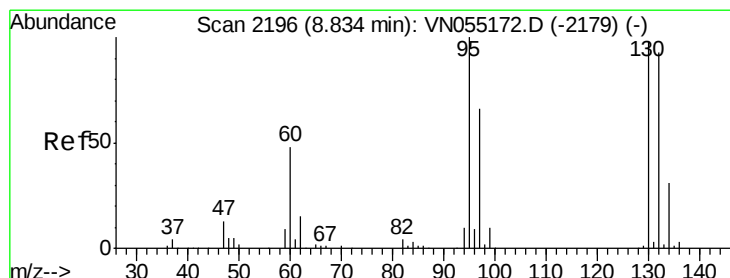
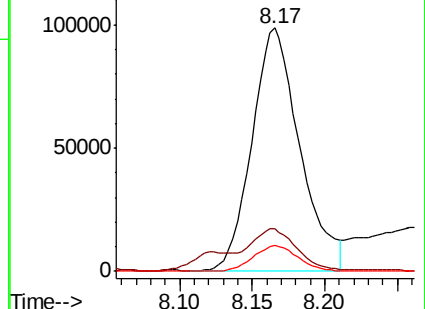
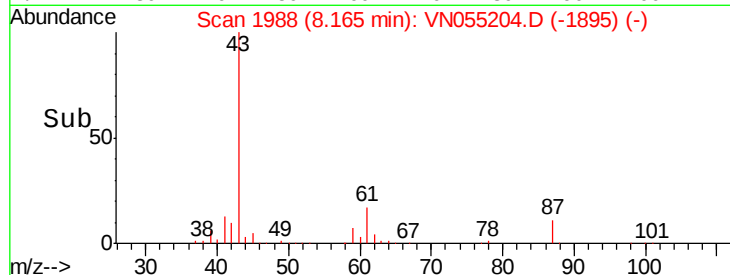


Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1966) (-)

Ion 61.00 (60.70 to 61.70): VN055172.D (-1966) (-)

Ion 87.00 (86.70 to 87.70): VN055172.D (-1966) (-)

Time-->



#44

Trichloroethene

Concen: 20.675 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055204.D

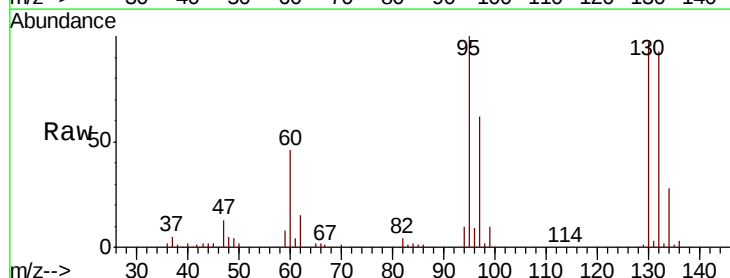
Acq: 23 Apr 2019 14:21

Tgt Ion: 130 Resp: 111681

Ion Ratio Lower Upper

130 100

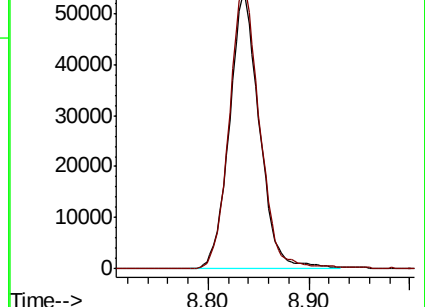
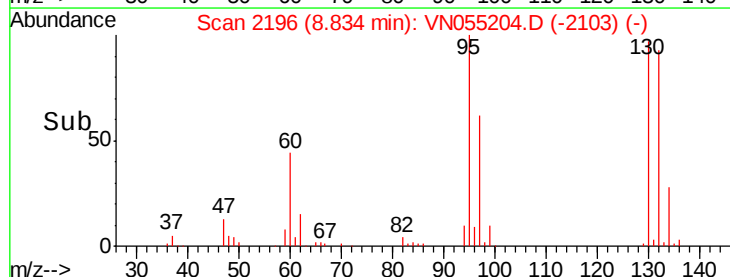
95 103.0 0.0 203.6

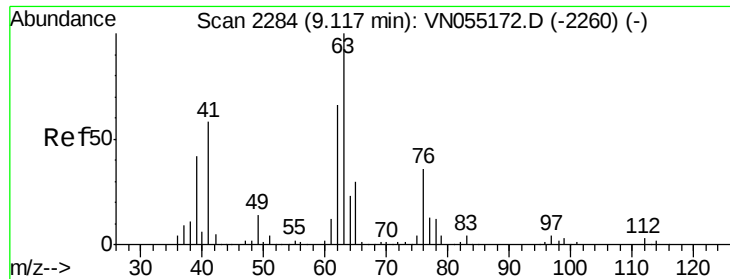


Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055172.D (-2179) (-)

Time-->

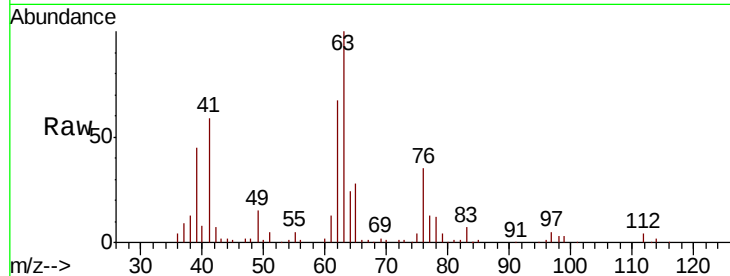




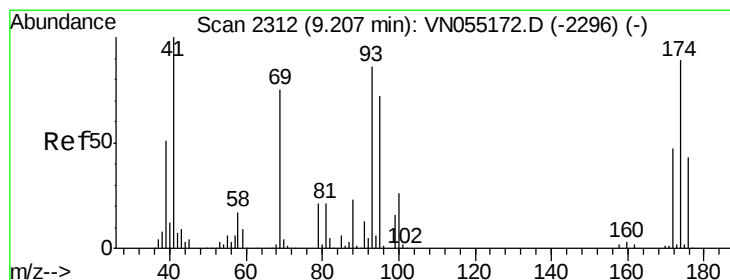
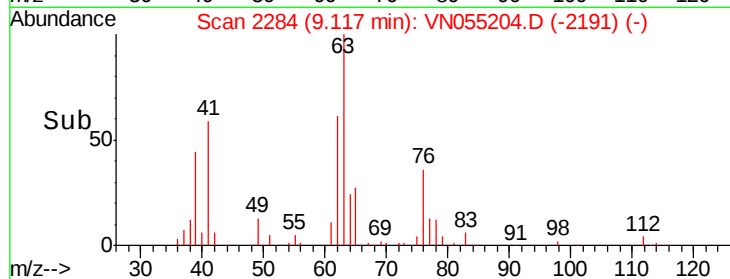
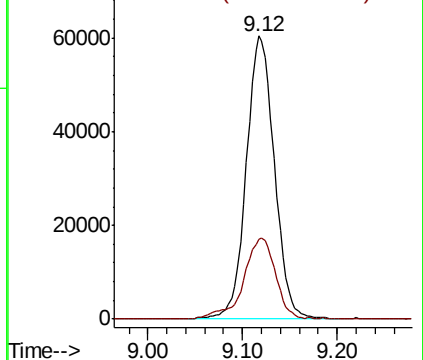
#45
 1,2-Dichloropropane
 Concen: 20.708 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

Tgt Ion: 63 Resp: 124926
 Ion Ratio Lower Upper
 63 100
 65 28.3 23.8 35.6

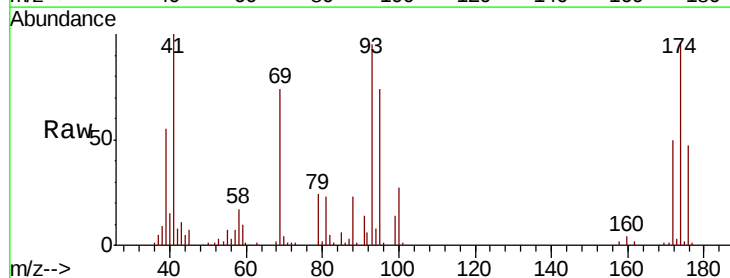


Abundance Ion 62.90 (62.60 to 63.60): VN0
 Ion 64.90 (64.60 to 65.60): VN0

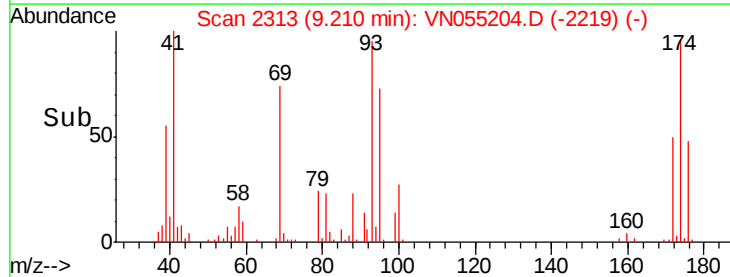
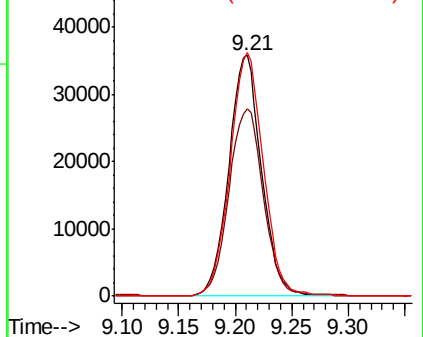


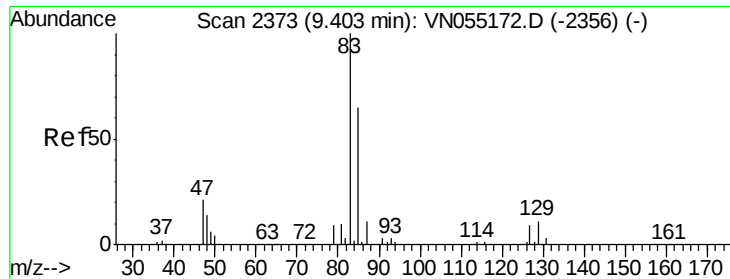
#46
 Dibromomethane
 Concen: 20.809 ug/l
 RT: 9.21 min Scan# 2313
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 93 Resp: 71862
 Ion Ratio Lower Upper
 93 100
 95 82.3 67.6 101.4
 174 102.8 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN0
 Ion 94.80 (94.50 to 95.50): VN0
 Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 21.380 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

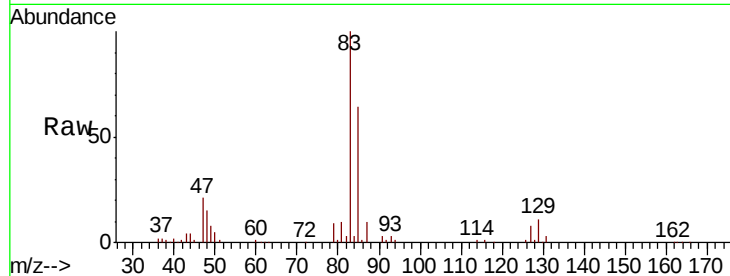
Tgt Ion: 83 Resp: 147810

Ion Ratio Lower Upper

83 100

85 64.5 52.1 78.1

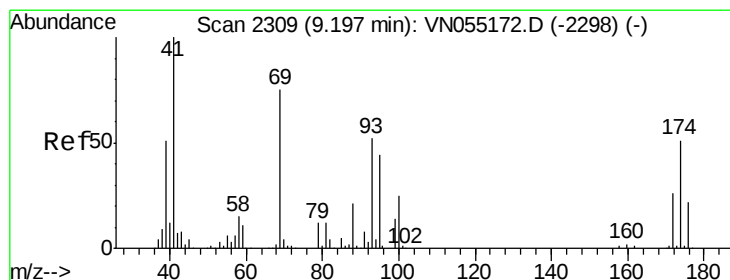
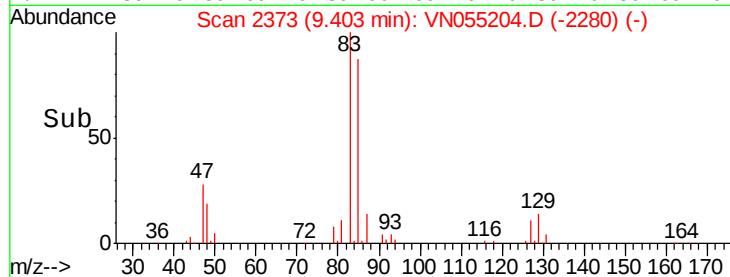
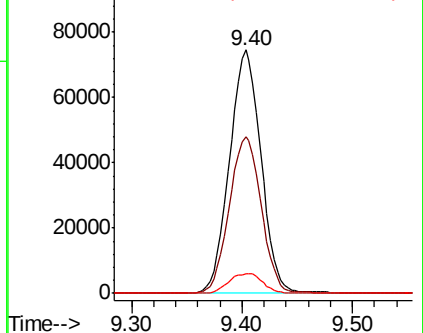
127 8.0 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN055204.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055204.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055204.D (-2280) (-)



#48

Methyl methacrylate

Concen: 22.102 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

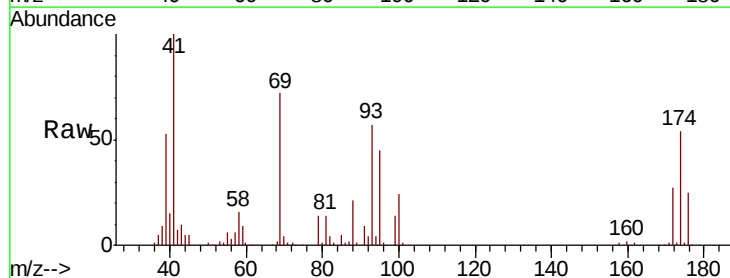
Tgt Ion: 41 Resp: 97003

Ion Ratio Lower Upper

41 100

69 78.3 63.6 95.4

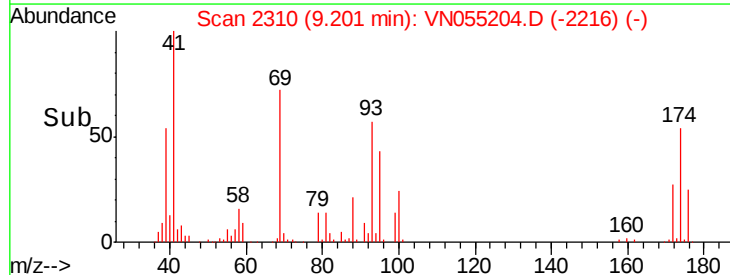
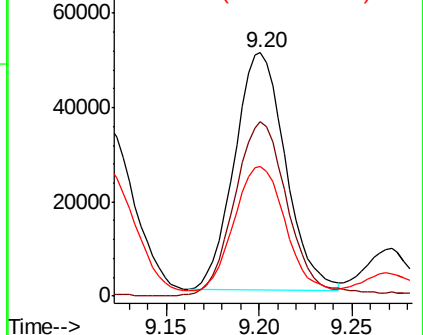
39 56.0 43.8 65.8

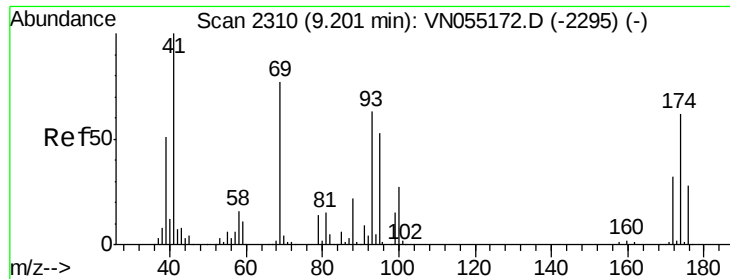


Abundance Ion 41.00 (40.70 to 41.70): VN055204.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055204.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055204.D (-2216) (-)

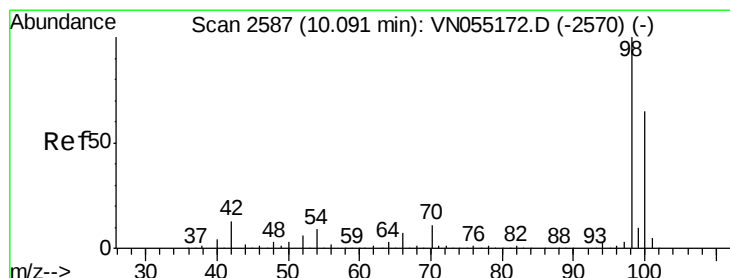
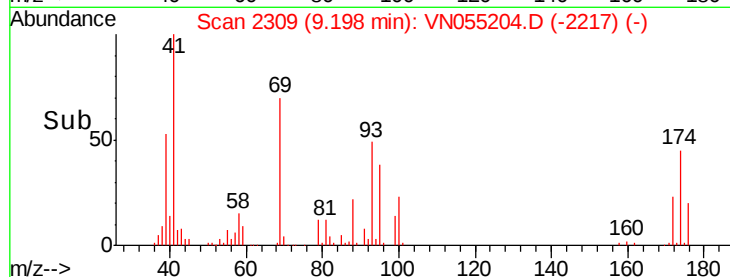
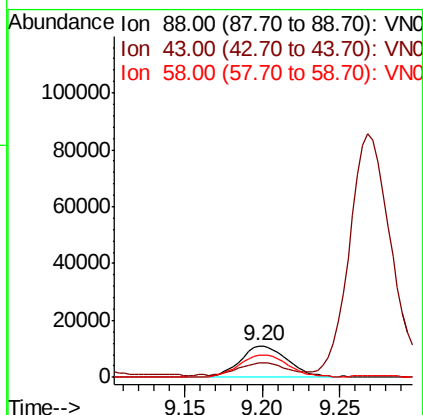
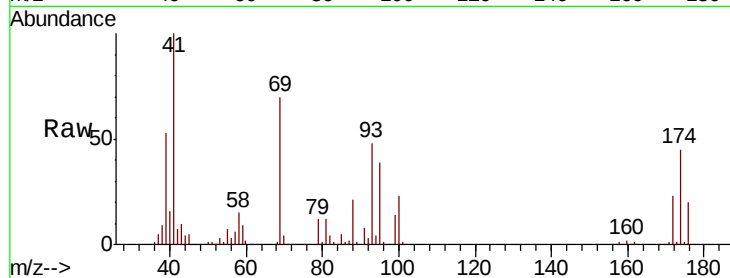




#49
 1,4-Dioxane
 Concen: 464.431 ug/l
 RT: 9.20 min Scan# 2309
 Delta R.T. -0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

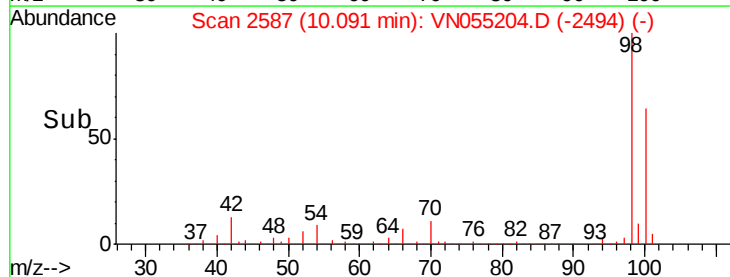
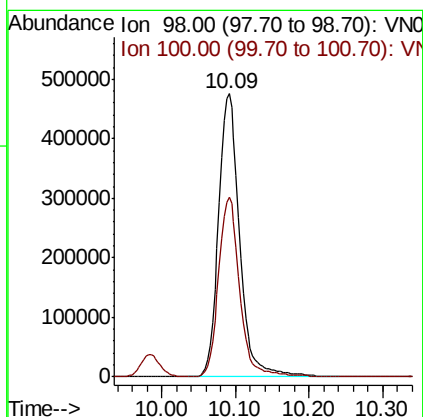
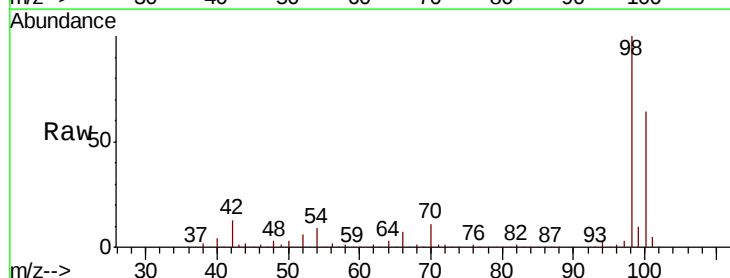
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

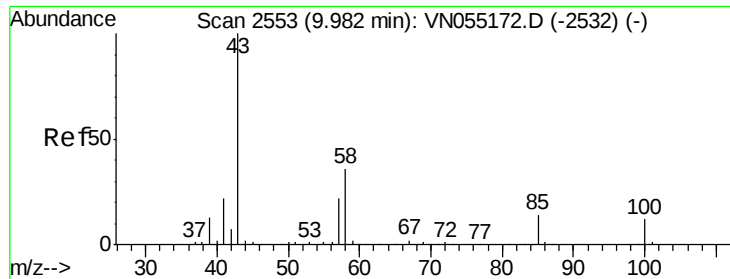
Tgt Ion: 88 Resp: 23539
 Ion Ratio Lower Upper
 88 100
 43 39.2 32.0 48.0
 58 74.7 60.4 90.6



#50
 Toluene-d8
 Concen: 50.446 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 98 Resp: 947145
 Ion Ratio Lower Upper
 98 100
 100 63.8 51.8 77.6





#51

4-Methyl-2-Pentanone

Concen: 113.234 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

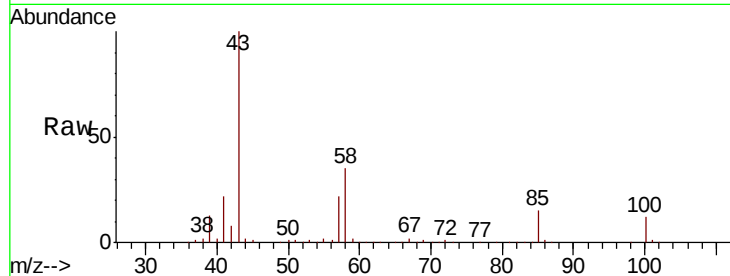
VN0423MBS01

Tgt Ion: 43 Resp: 589537

Ion Ratio Lower Upper

43 100

58 35.3 28.3 42.5



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-2532) (-)

Ion 58.00 (57.70 to 58.70): VN055172.D (-2532) (-)

9.99

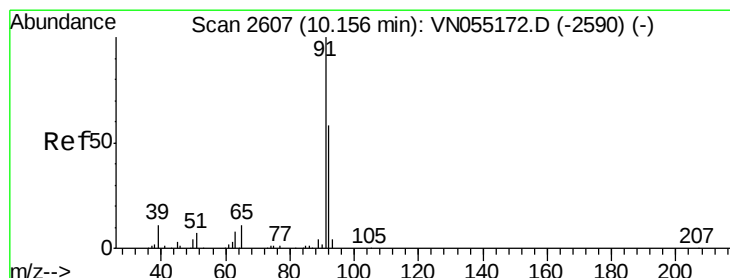
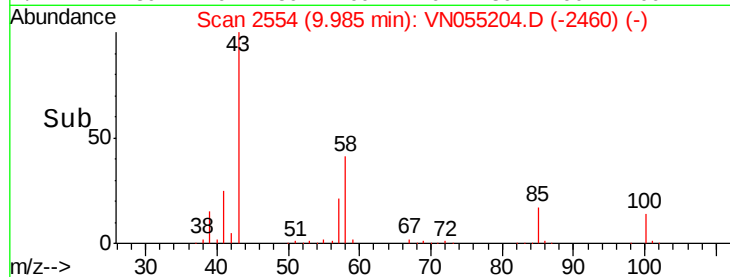
300000

200000

100000

0

Time-->



#52

Toluene

Concen: 21.018 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055204.D

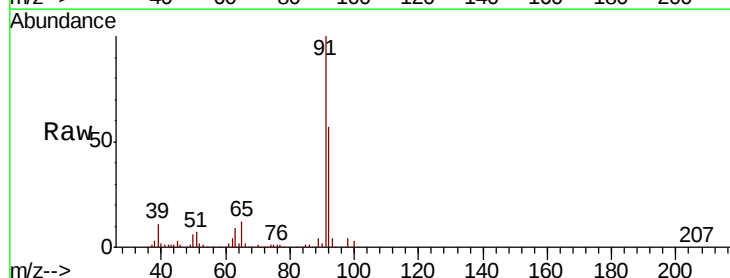
Acq: 23 Apr 2019 14:21

Tgt Ion: 92 Resp: 263327

Ion Ratio Lower Upper

92 100

91 172.7 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN055172.D (-2590) (-)

Ion 91.00 (90.70 to 91.70): VN055172.D (-2590) (-)

10.16

250000

200000

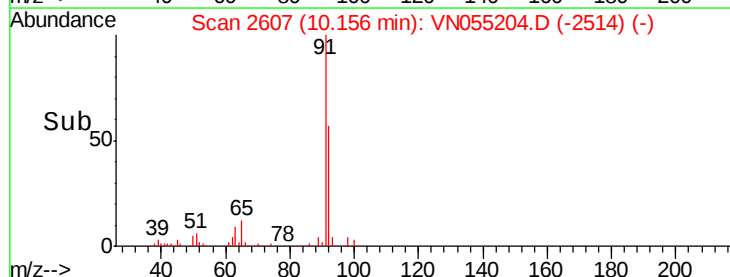
150000

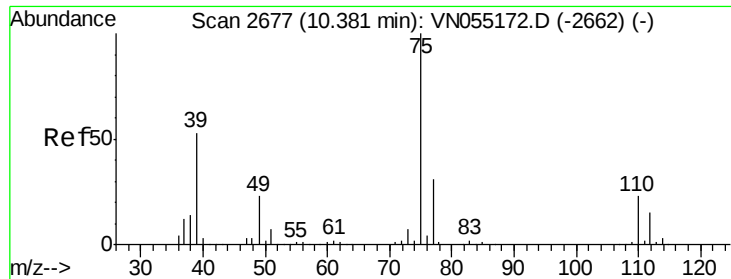
100000

50000

0

Time-->





#53

t-1,3-Dichloropropene

Concen: 21.721 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

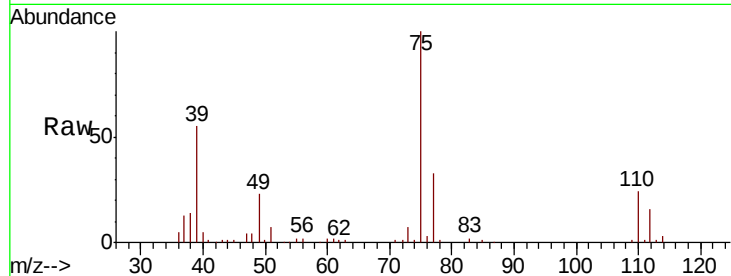
VN0423MBS01

Tgt Ion: 75 Resp: 137808

Ion Ratio Lower Upper

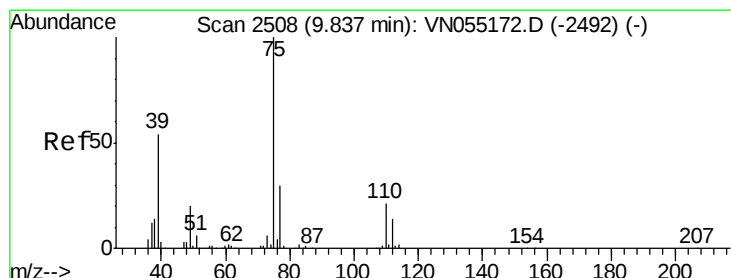
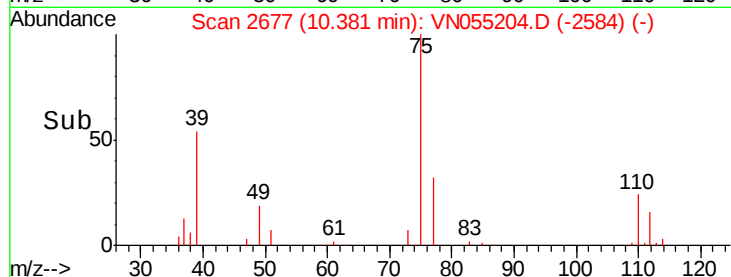
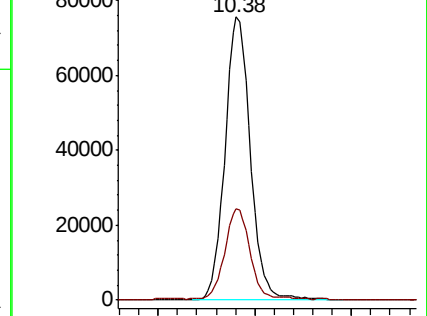
75 100

77 32.3 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 21.323 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

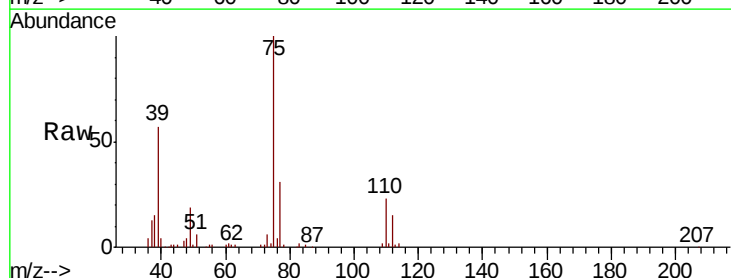
Tgt Ion: 75 Resp: 167881

Ion Ratio Lower Upper

75 100

77 30.8 24.3 36.5

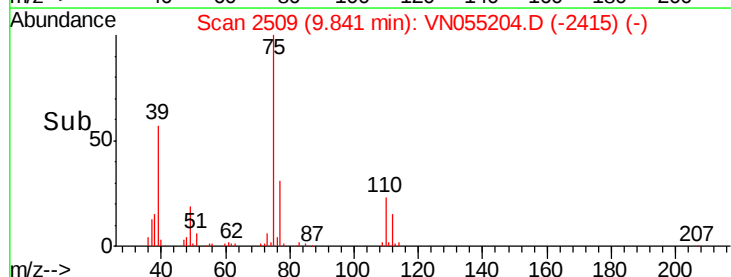
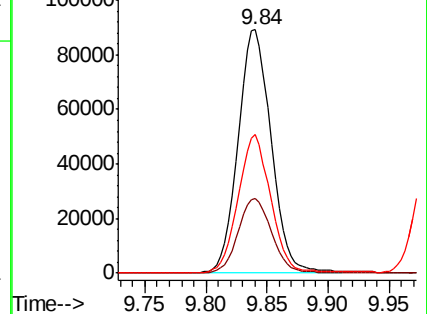
39 56.5 43.0 64.4

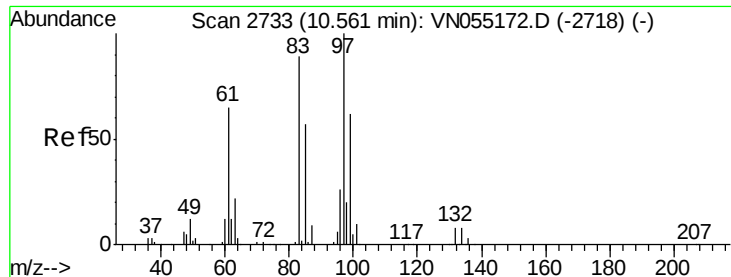


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0

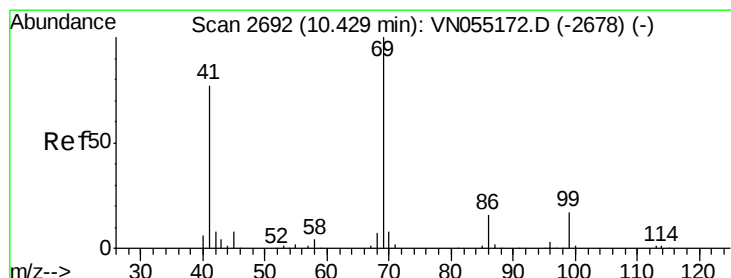
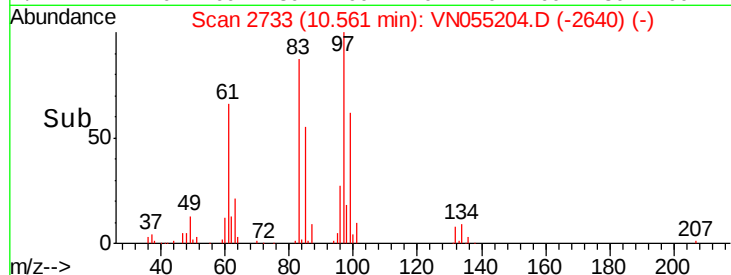
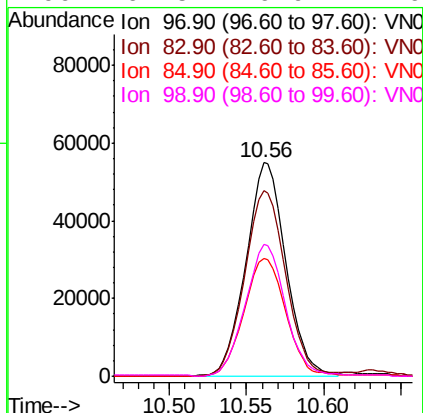
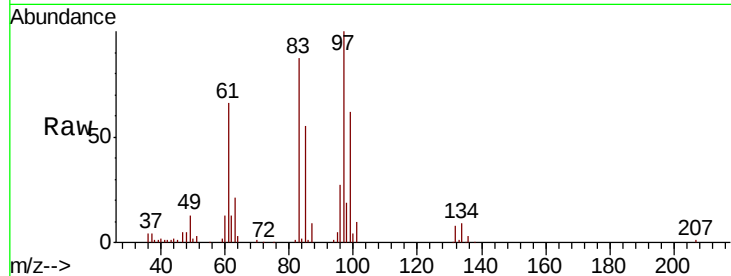




#55
 1,1,2-Trichloroethane
 Concen: 21.415 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

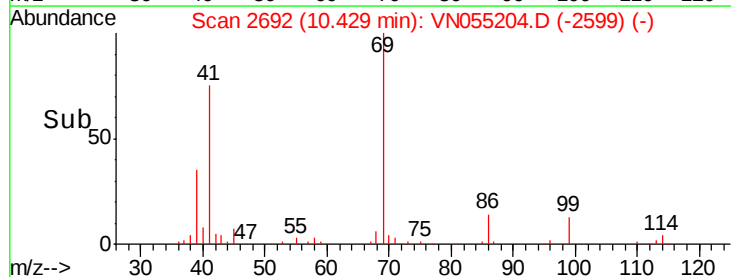
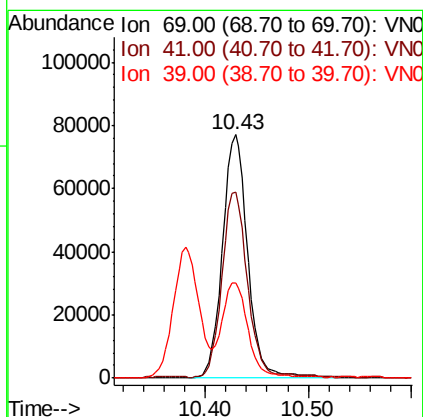
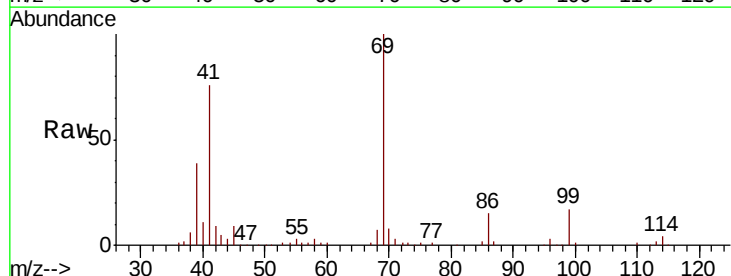
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

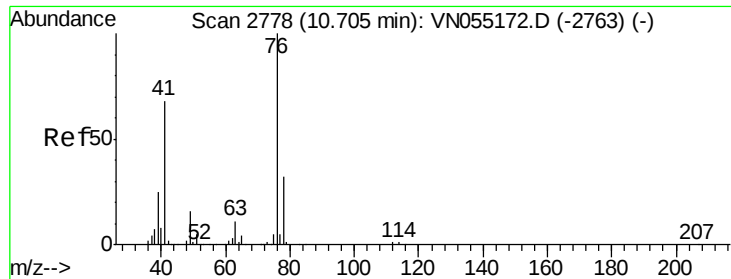
Tgt Ion: 97 Resp: 98915
 Ion Ratio Lower Upper
 97 100
 83 86.7 71.5 107.3
 85 55.4 45.8 68.6
 99 61.5 49.9 74.9



#56
 Ethyl methacrylate
 Concen: 22.870 ug/l
 RT: 10.43 min Scan# 2692
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 69 Resp: 131597
 Ion Ratio Lower Upper
 69 100
 41 76.2 60.6 90.8
 39 38.7 31.7 47.5

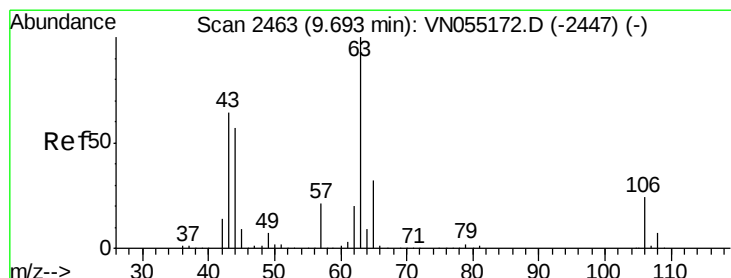
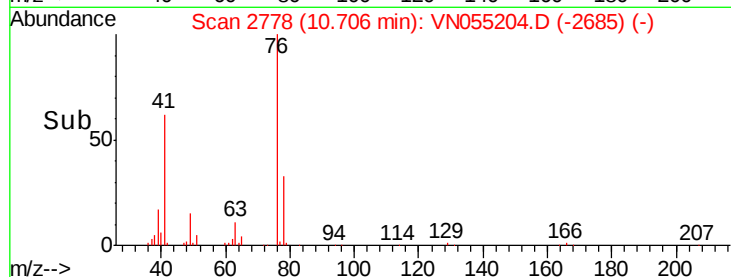
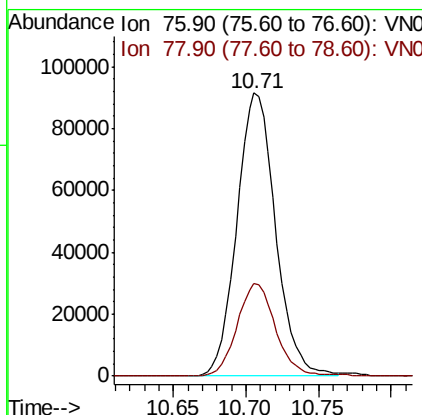
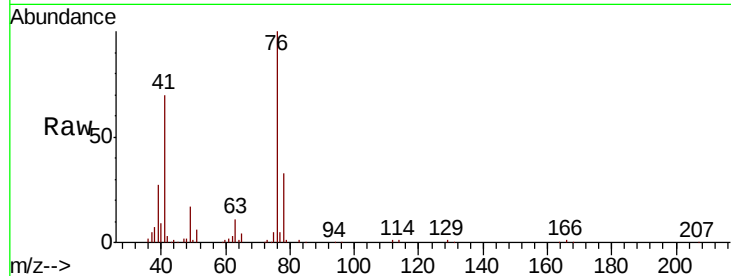




#57
 1,3-Dichloropropane
 Concen: 21.097 ug/l
 RT: 10.71 min Scan# 2778
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

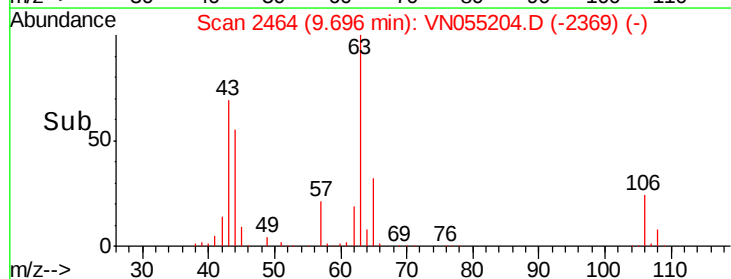
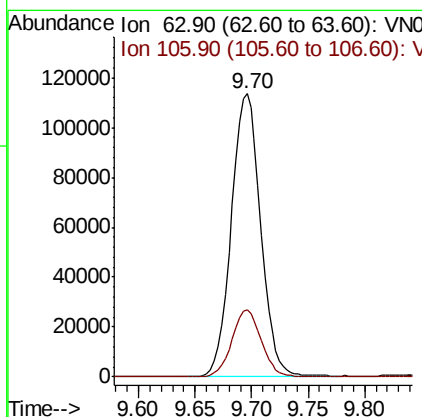
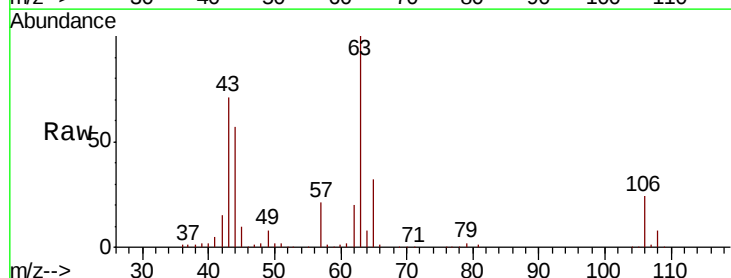
Instrument :
 MSVOA_N
 ClientSampled :
 VN0423MBS01

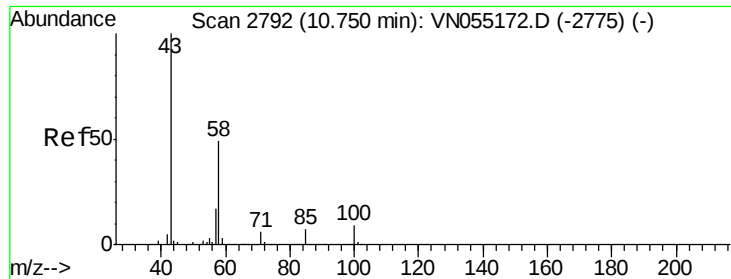
Tgt Ion: 76 Resp: 169547
 Ion Ratio Lower Upper
 76 100
 78 32.7 25.3 37.9



#58
 2-Chloroethyl Vinyl ether
 Concen: 99.914 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 63 Resp: 205803
 Ion Ratio Lower Upper
 63 100
 106 23.6 19.4 29.0

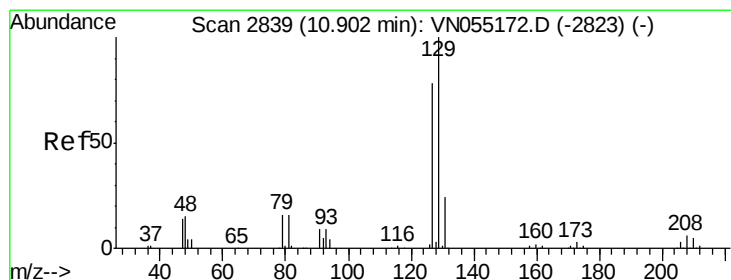
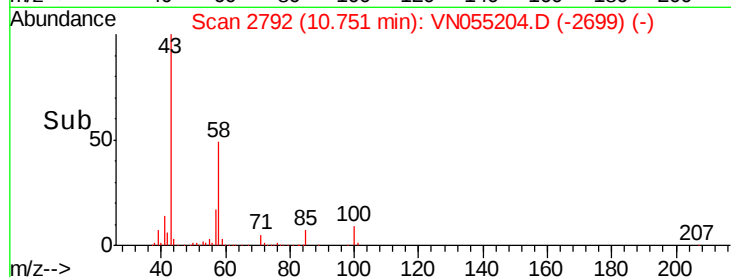
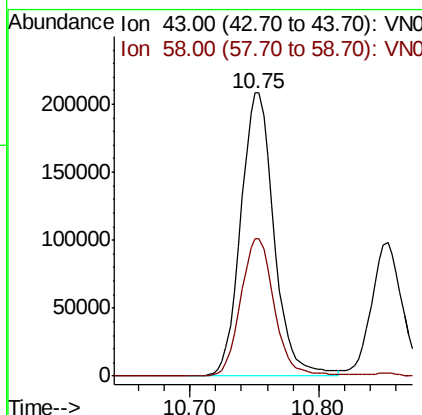
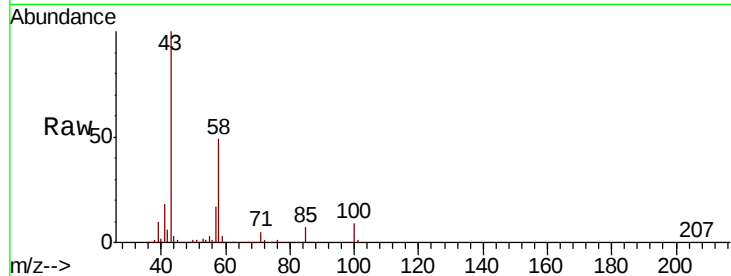




#59
2-Hexanone
Concen: 112.958 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

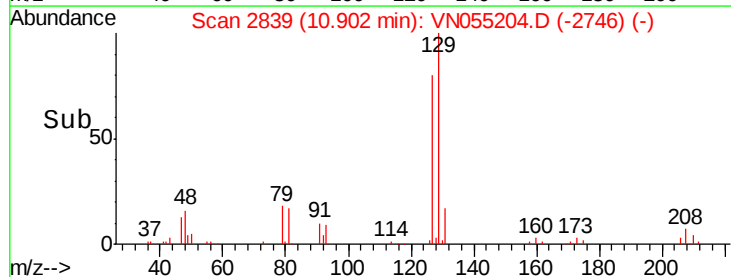
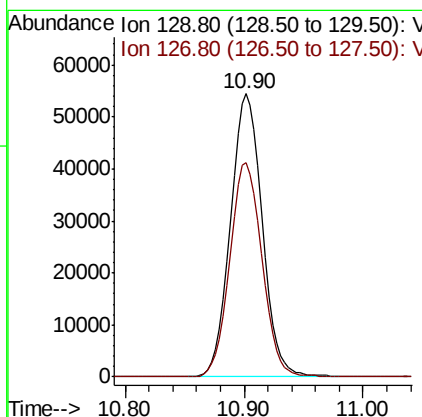
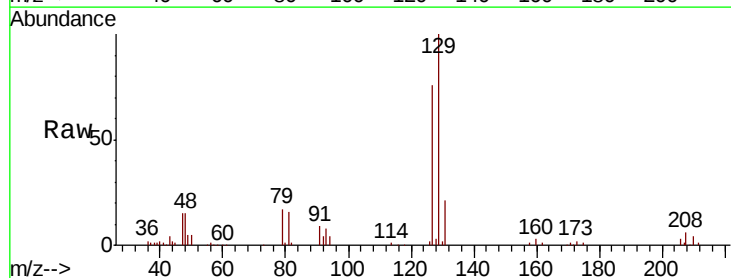
Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

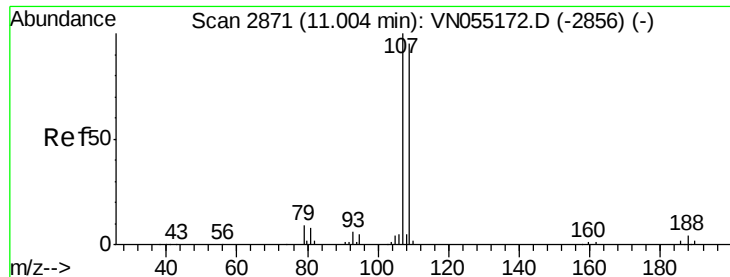
Tgt Ion: 43 Resp: 371469
Ion Ratio Lower Upper
43 100
58 49.6 24.5 73.5



#60
Dibromochloromethane
Concen: 21.164 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 129 Resp: 100690
Ion Ratio Lower Upper
129 100
127 76.7 39.0 117.0





#61

1,2-Dibromoethane

Concen: 22.253 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

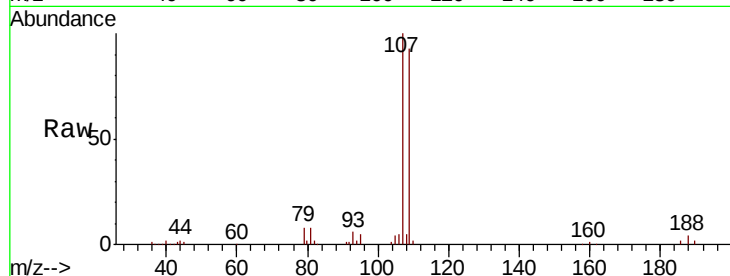
VN0423MBS01

Tgt Ion: 107 Resp: 96640

Ion Ratio Lower Upper

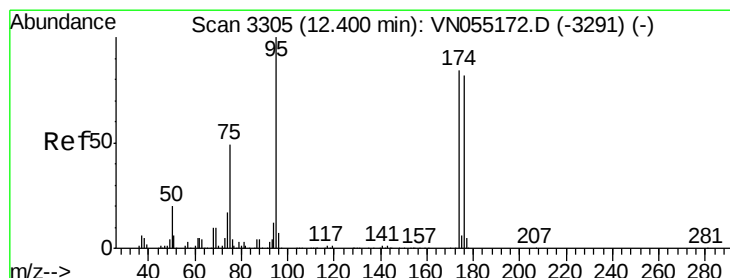
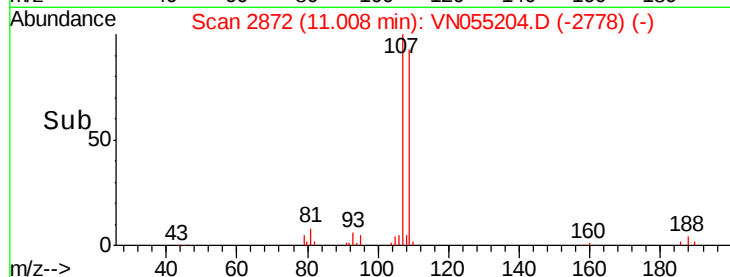
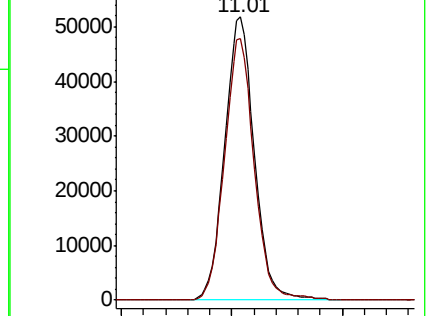
107 100

109 92.4 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 50.871 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

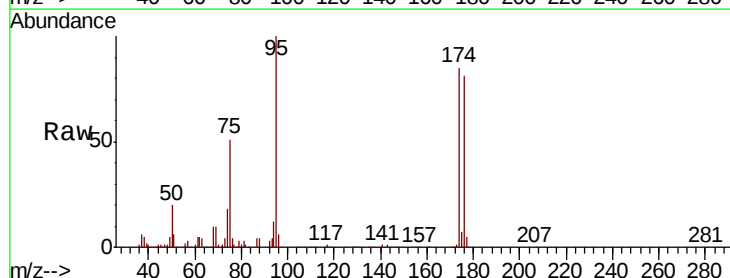
Tgt Ion: 95 Resp: 302463

Ion Ratio Lower Upper

95 100

174 85.2 0.0 168.4

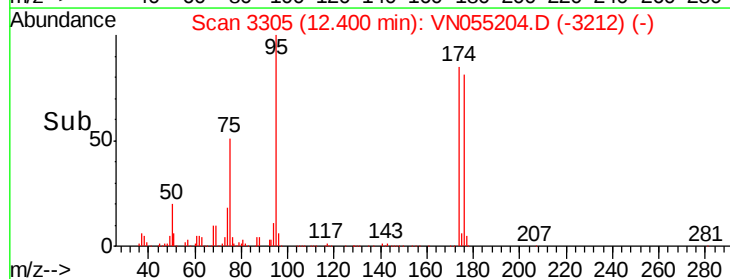
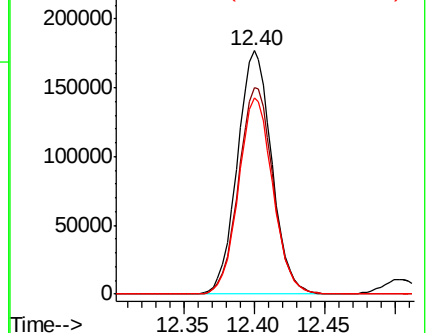
176 80.4 0.0 164.0

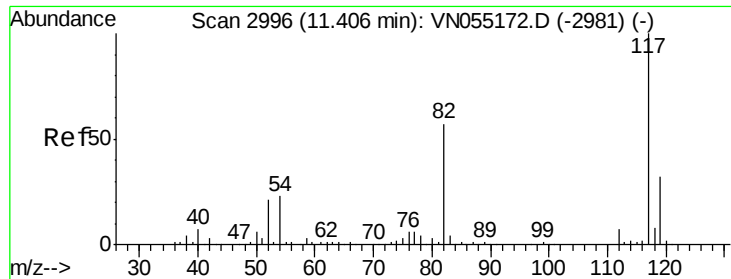


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

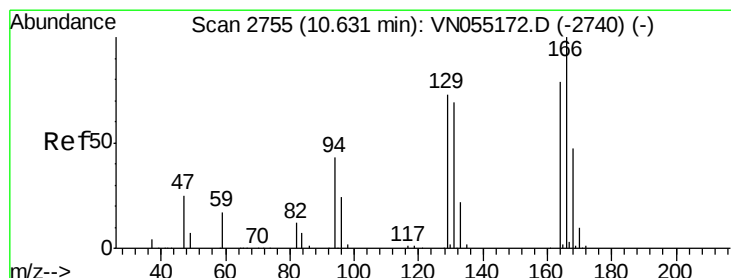
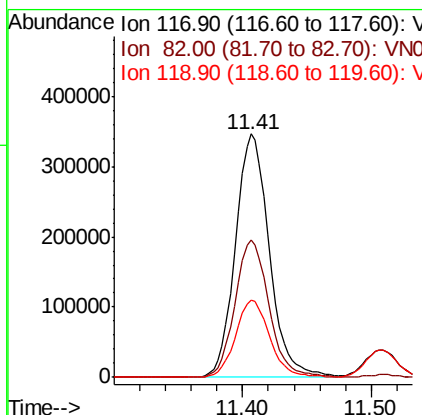
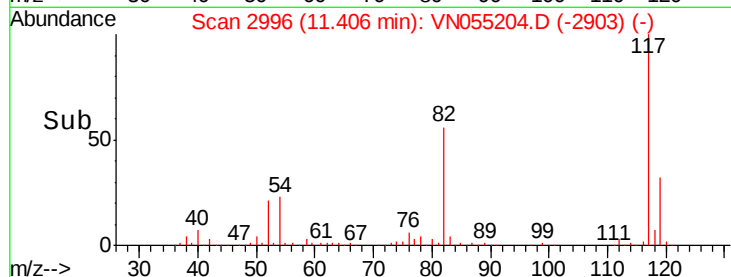
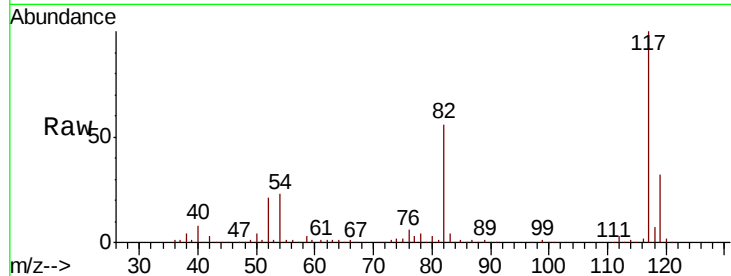




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

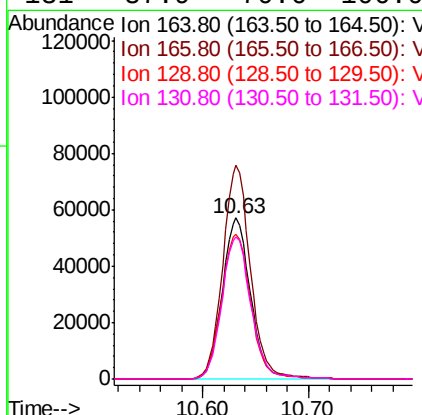
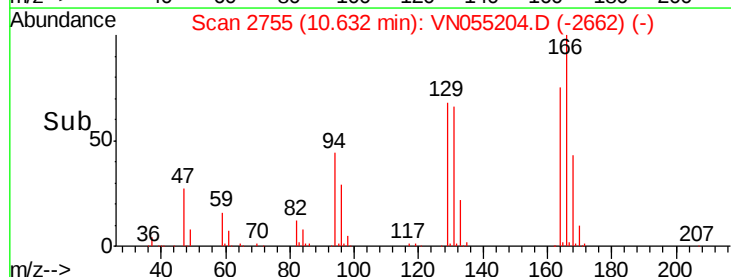
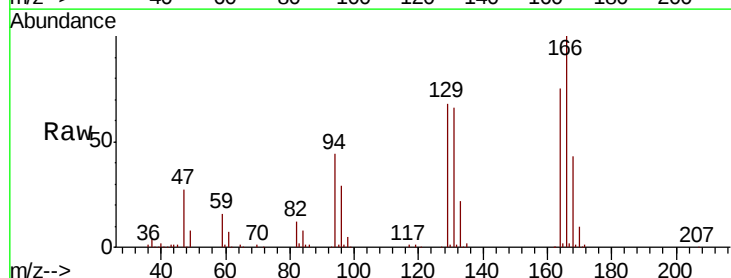
Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

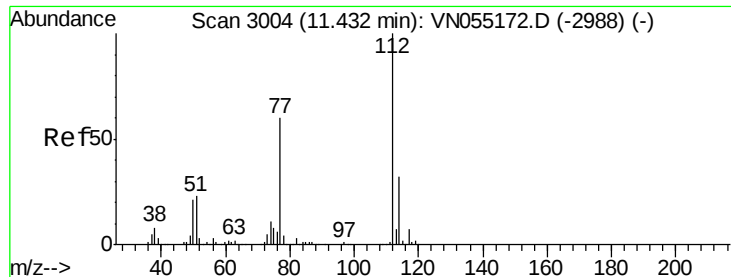
Tgt Ion:117 Resp: 634249
Ion Ratio Lower Upper
117 100
82 56.4 45.7 68.5
119 31.5 25.4 38.2



#64
Tetrachloroethene
Concen: 20.525 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion:164 Resp: 106200
Ion Ratio Lower Upper
164 100
166 132.8 101.9 152.9
129 90.2 74.1 111.1
131 87.9 70.6 106.0

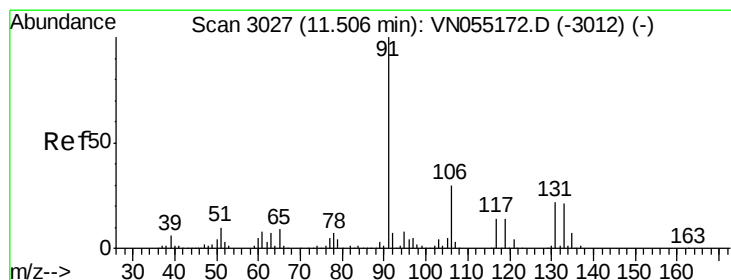
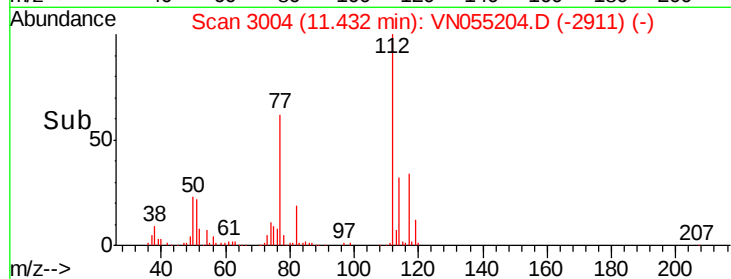
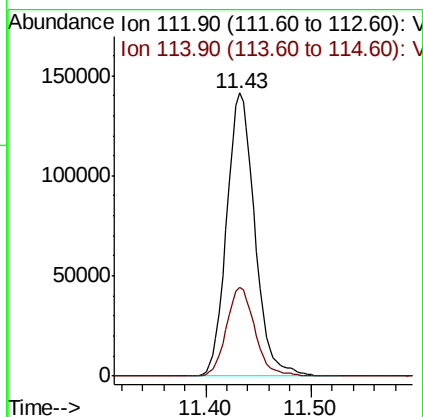
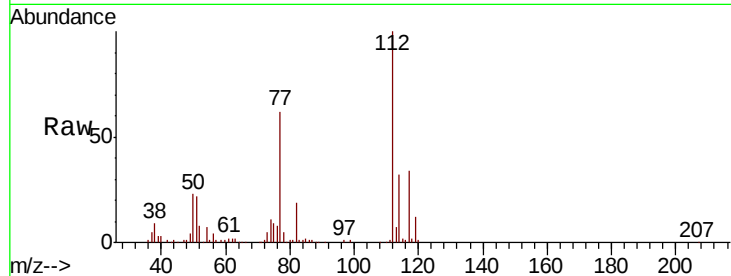




#65
Chlorobenzene
Concen: 20.131 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

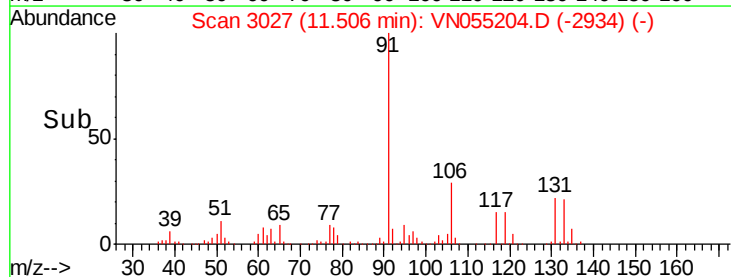
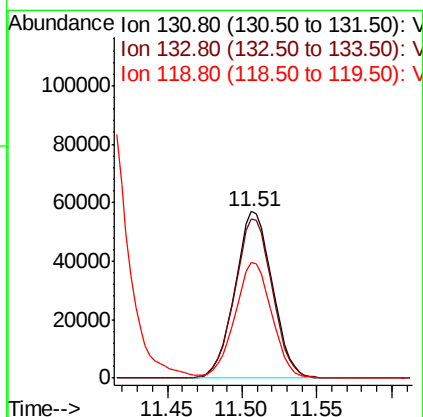
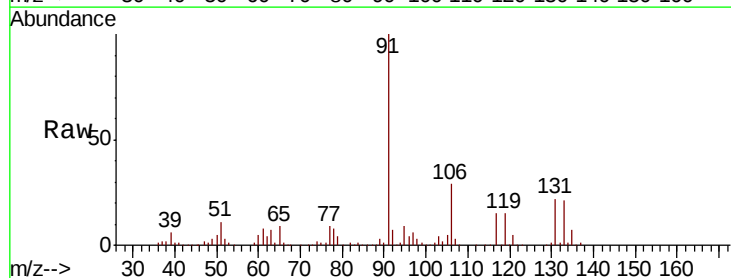
Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

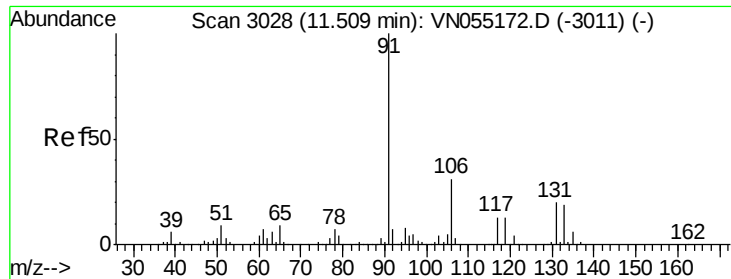
Tgt Ion:112 Resp: 260606
Ion Ratio Lower Upper
112 100
114 31.5 25.4 38.0



#66
1,1,1,2-Tetrachloroethane
Concen: 20.718 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion:131 Resp: 99407
Ion Ratio Lower Upper
131 100
133 96.0 47.7 143.1
119 68.2 33.2 99.6

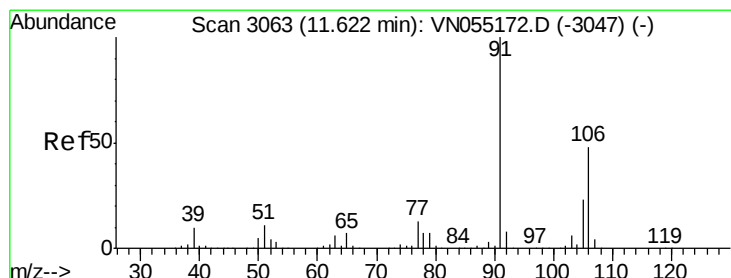
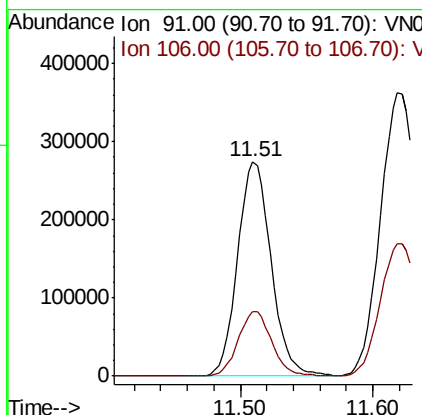
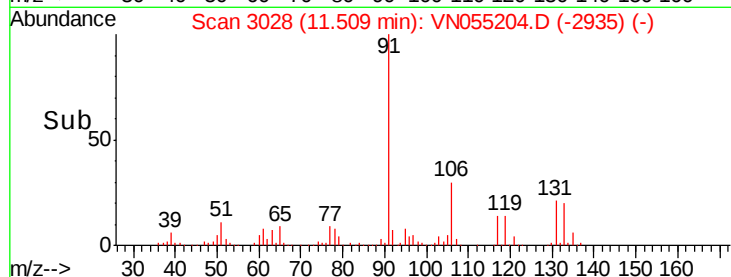
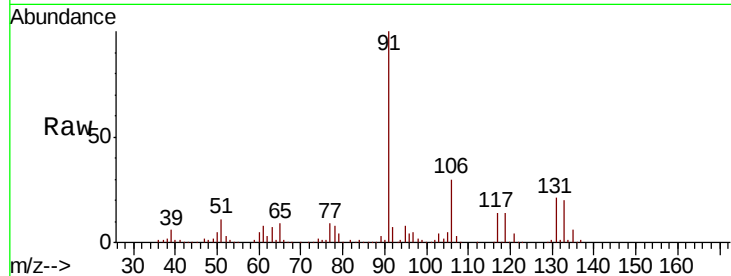




#67
Ethyl Benzene
Concen: 20.933 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

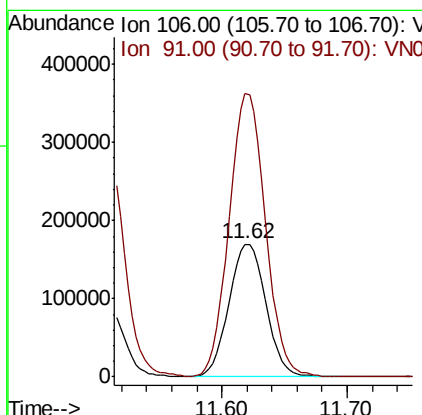
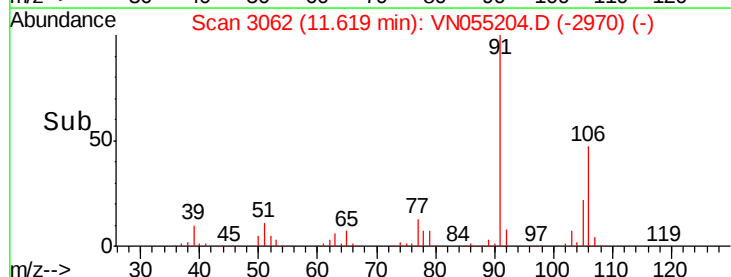
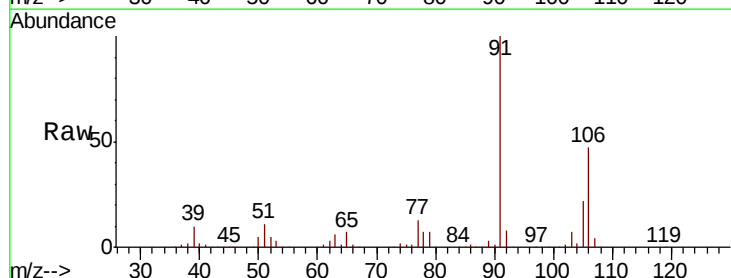
Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

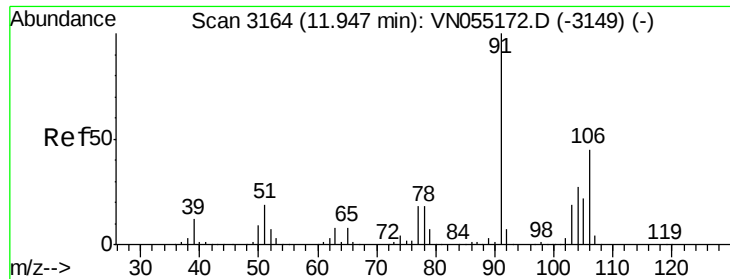
Tgt Ion: 91 Resp: 482715
Ion Ratio Lower Upper
91 100
106 30.1 24.5 36.7



#68
m/p-Xylenes
Concen: 42.013 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion: 106 Resp: 347480
Ion Ratio Lower Upper
106 100
91 209.8 167.1 250.7

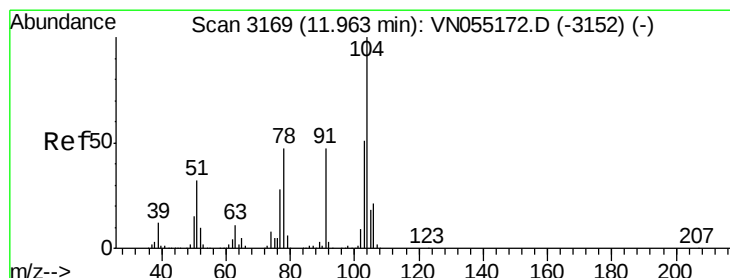
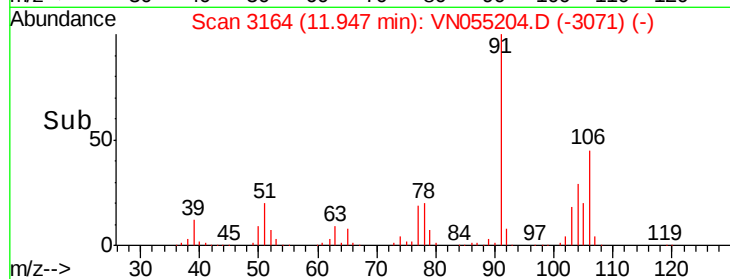
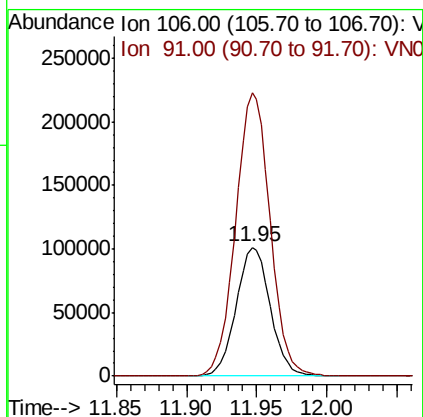
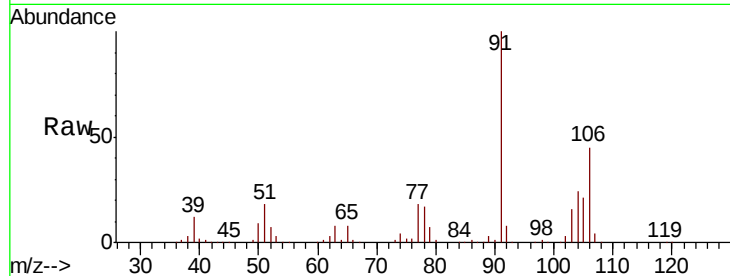




#69
o-Xylene
Concen: 20.854 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

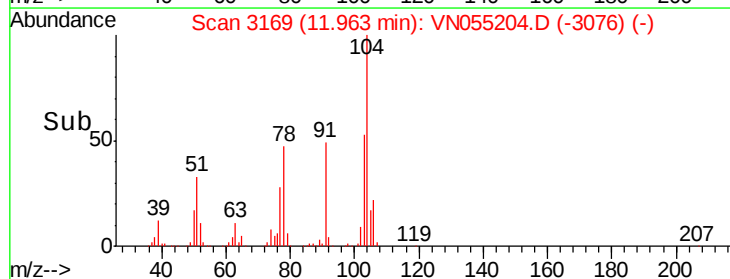
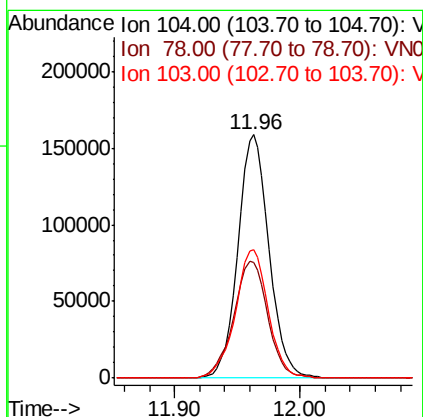
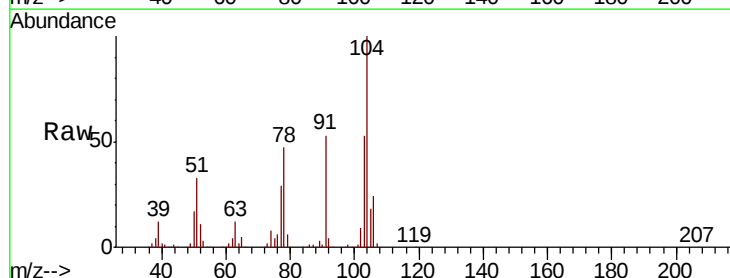
Instrument :
MSVOA_N
ClientSampled :
VN0423MBS01

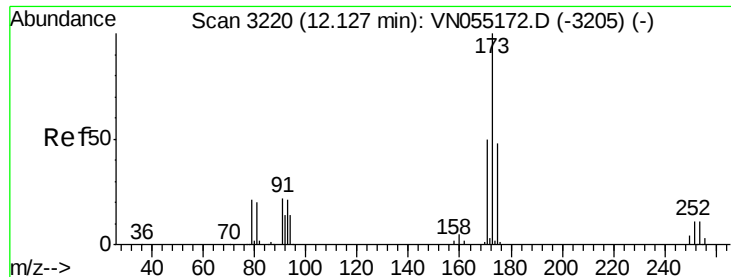
Tgt Ion:106 Resp: 171167
Ion Ratio Lower Upper
106 100
91 222.7 110.6 331.8



#70
Styrene
Concen: 21.468 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion:104 Resp: 273140
Ion Ratio Lower Upper
104 100
78 52.9 41.3 61.9
103 55.9 44.2 66.4

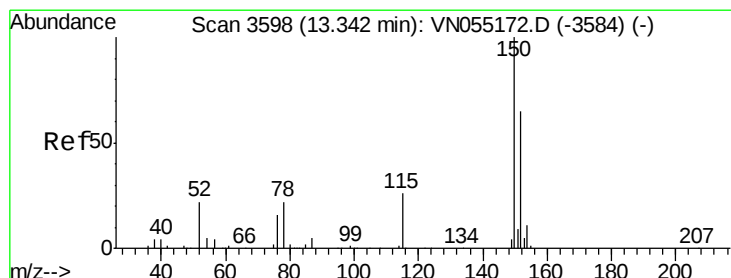
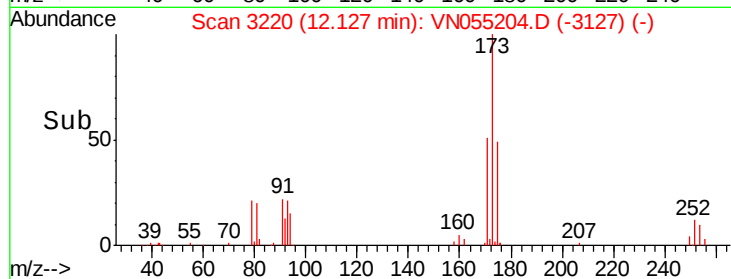
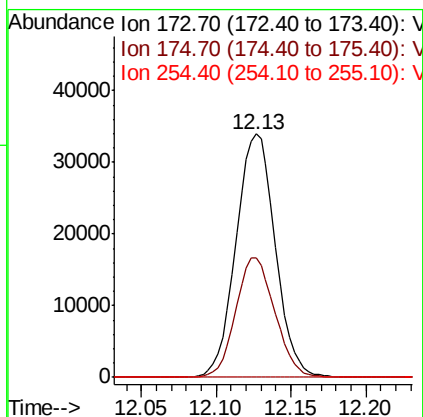
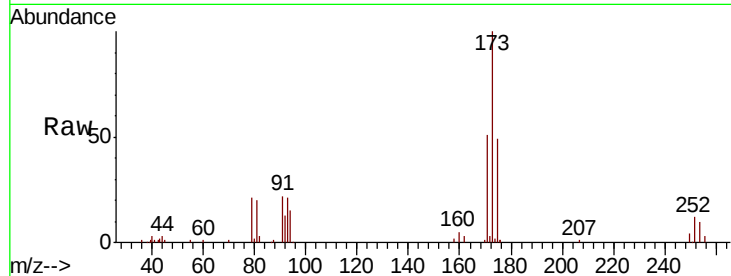




#71
 Bromoform
 Concen: 21.648 ug/l
 RT: 12.13 min Scan# 3220
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

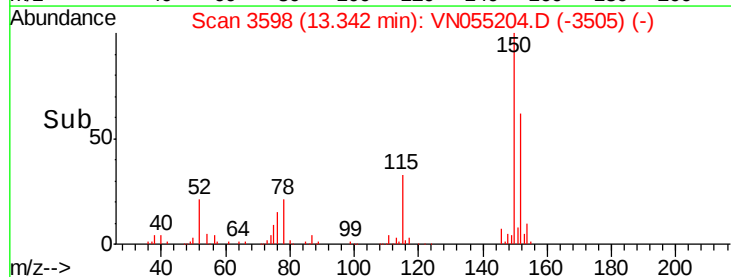
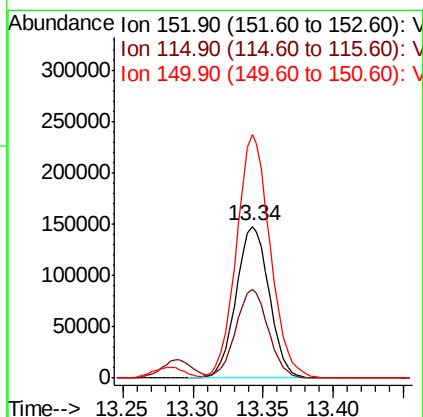
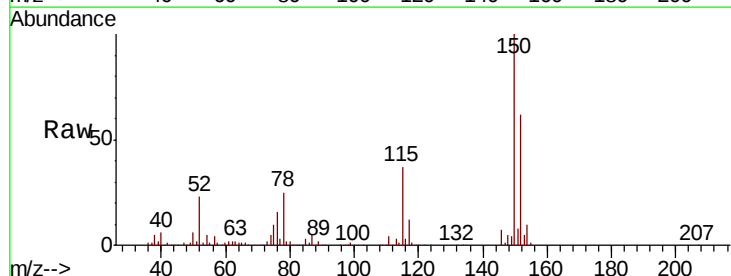
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

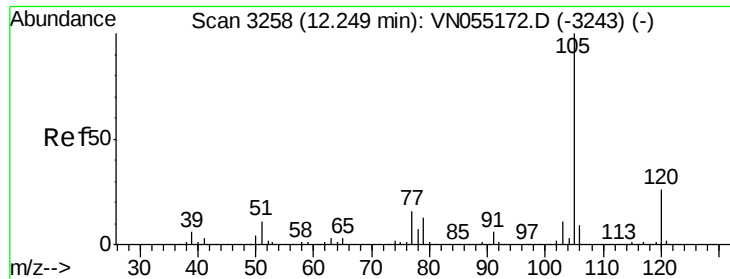
Tgt Ion:173 Resp: 61984
 Ion Ratio Lower Upper
 173 100
 175 48.7 23.8 71.2
 254 0.0 0.1 0.1#



#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:152 Resp: 243737
 Ion Ratio Lower Upper
 152 100
 115 58.0 28.9 86.7
 150 163.1 0.0 346.6





#73

Isopropylbenzene

Concen: 22.006 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

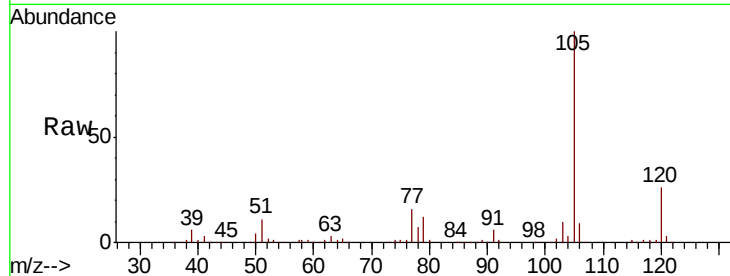
VN0423MBS01

Tgt Ion: 105 Resp: 455700

Ion Ratio Lower Upper

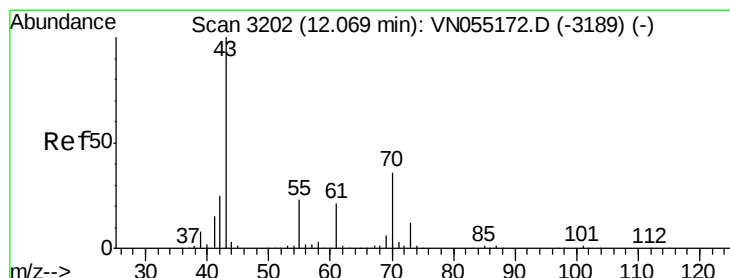
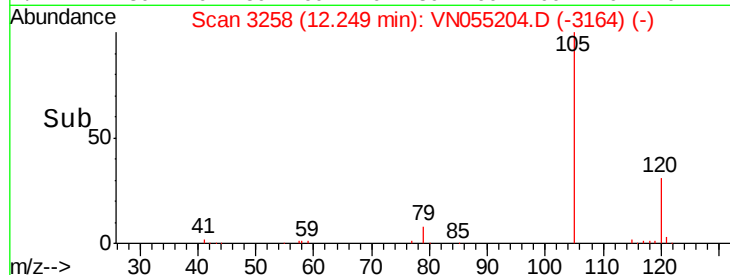
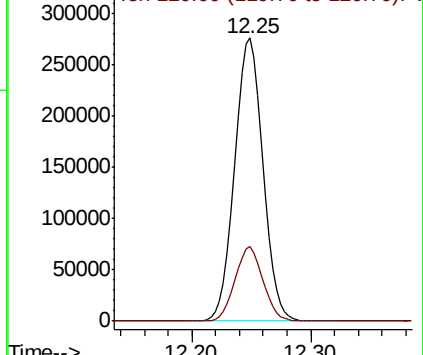
105 100

120 26.0 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 23.401 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Tgt Ion: 43 Resp: 147053

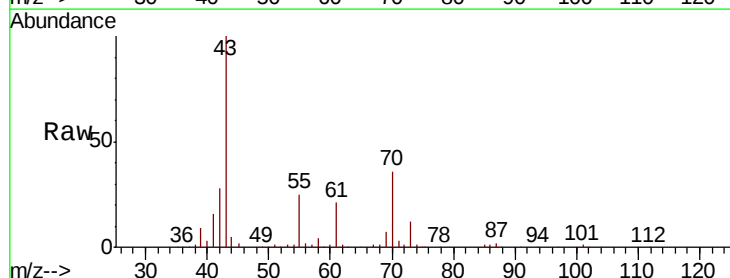
Ion Ratio Lower Upper

43 100

70 35.6 29.0 43.6

55 24.4 18.5 27.7

61 21.7 17.0 25.4

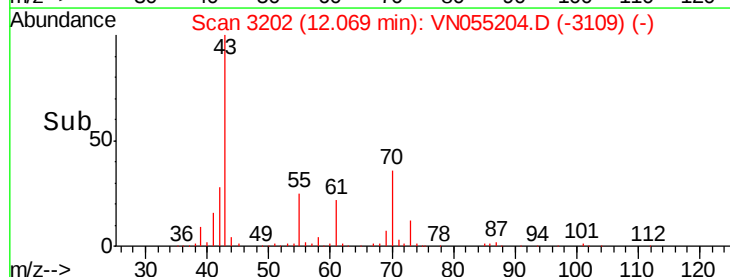
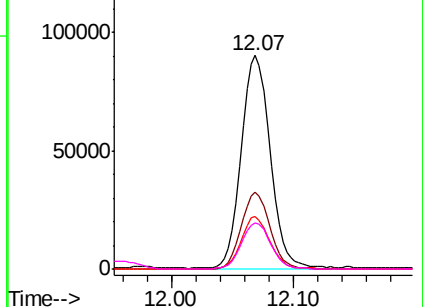


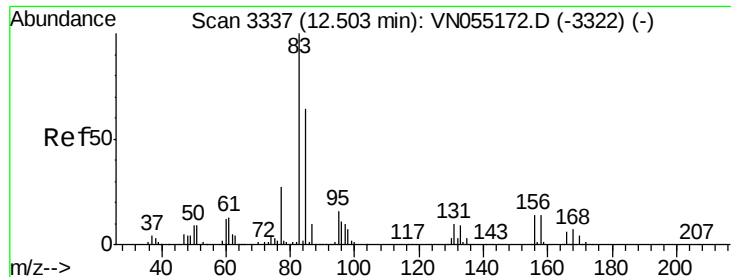
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0





#75

1,1,2,2-Tetrachloroethane

Concen: 23.761 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

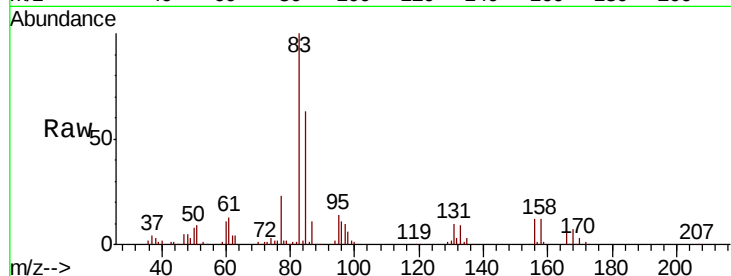
Tgt Ion: 83 Resp: 124129

Ion Ratio Lower Upper

83 100

131 9.9 5.0 15.0

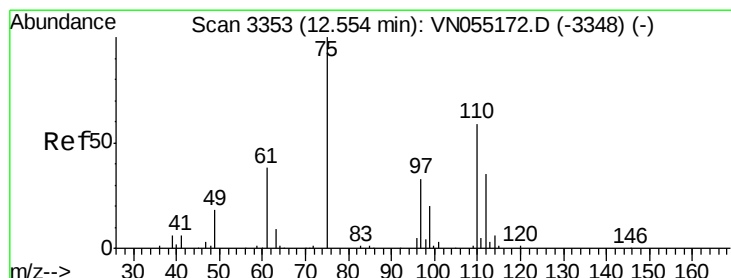
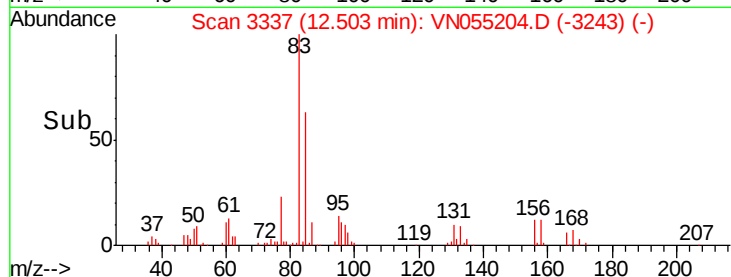
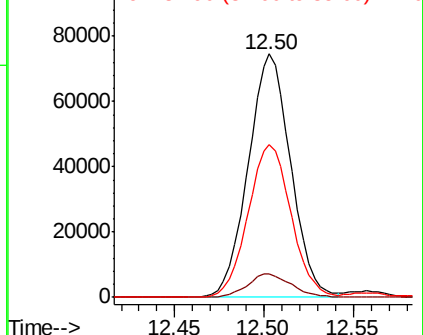
85 63.5 32.1 96.3



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: 28.662 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055204.D

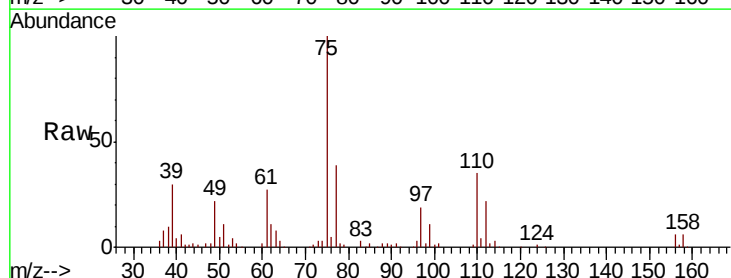
Acq: 23 Apr 2019 14:21

Tgt Ion: 75 Resp: 141727

Ion Ratio Lower Upper

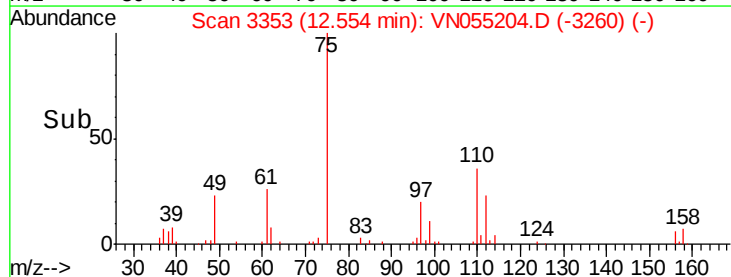
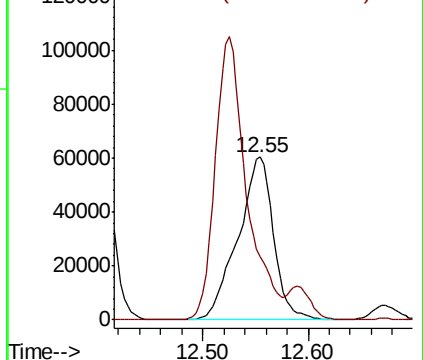
75 100

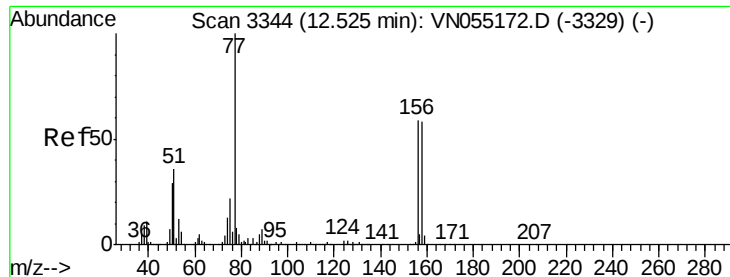
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 20.355 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampled :

VN0423MBS01

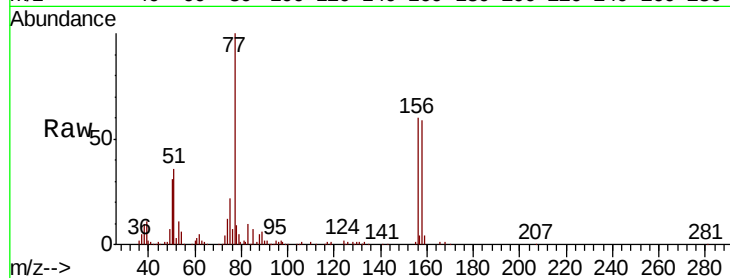
Tgt Ion:156 Resp: 109529

Ion Ratio Lower Upper

156 100

77 198.2 98.0 293.9

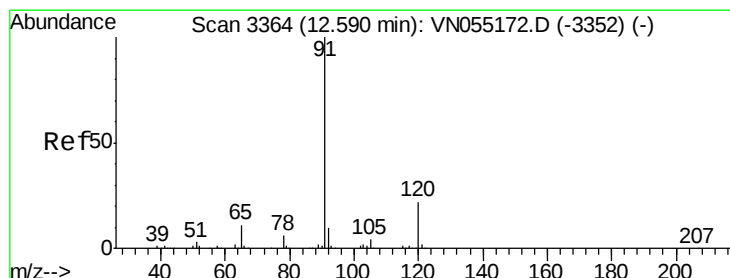
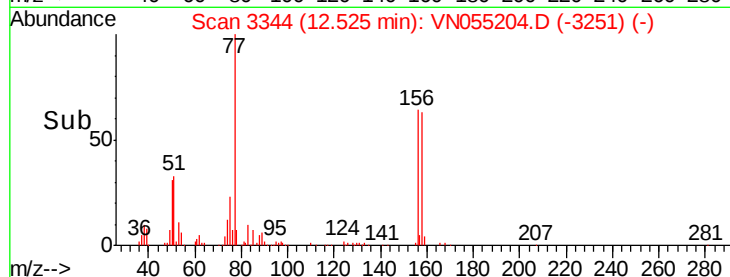
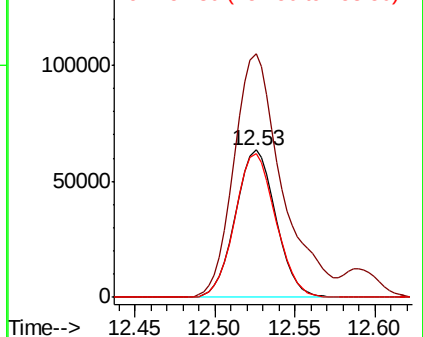
158 98.3 48.9 146.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 20.342 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055204.D

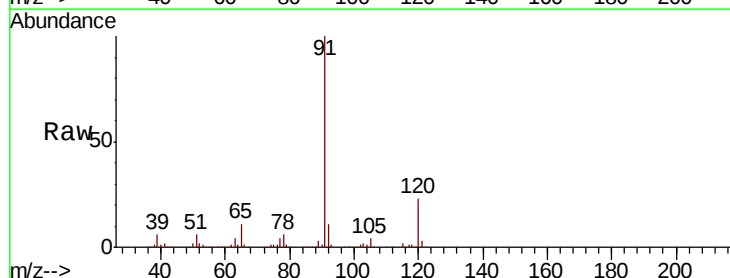
Acq: 23 Apr 2019 14:21

Tgt Ion: 91 Resp: 497237

Ion Ratio Lower Upper

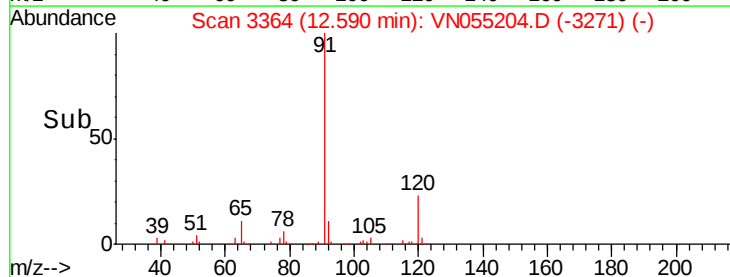
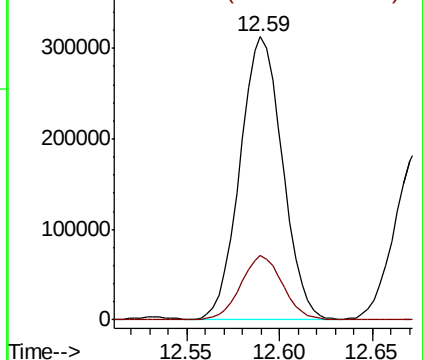
91 100

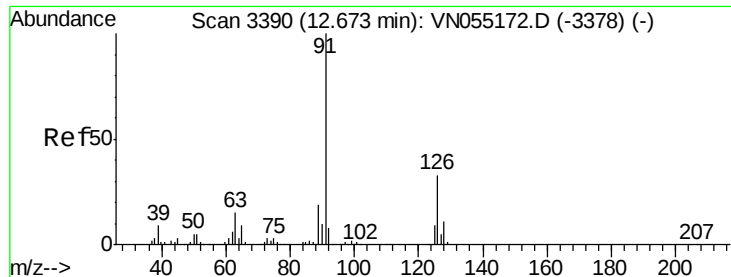
120 22.4 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

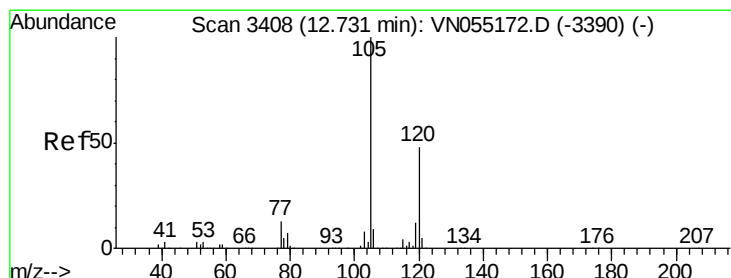
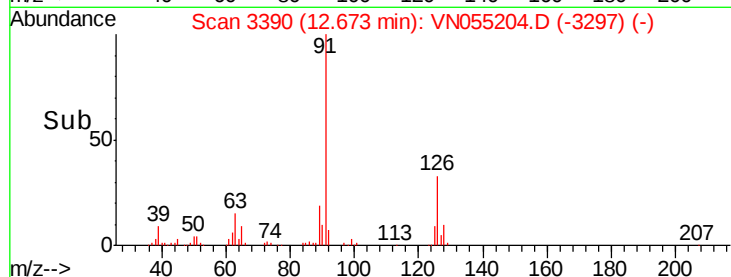
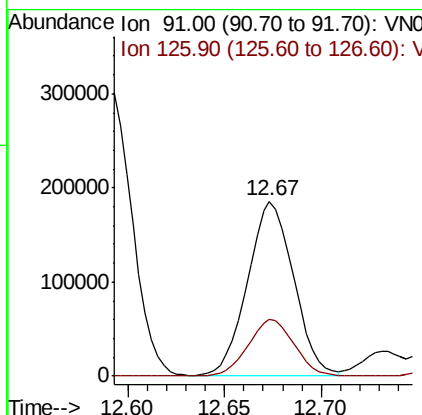
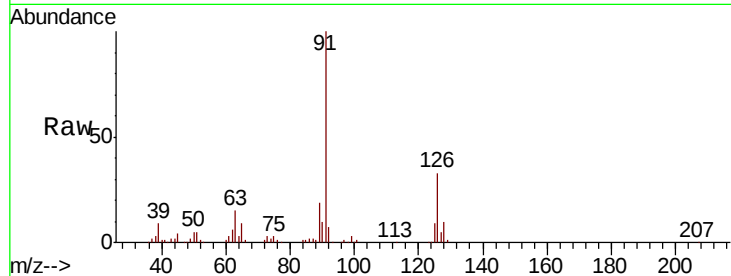




#79
 2-Chlorotoluene
 Concen: 19.872 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

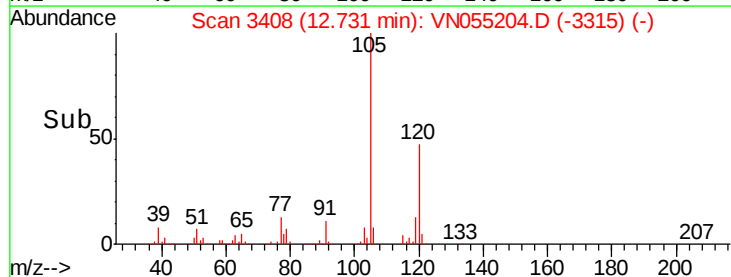
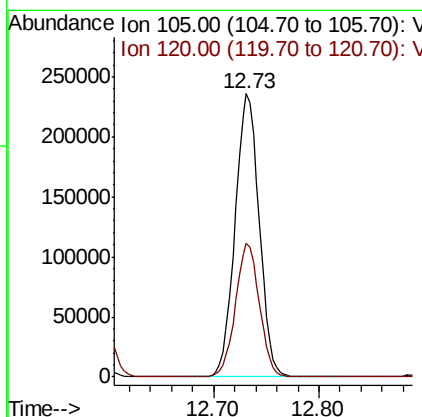
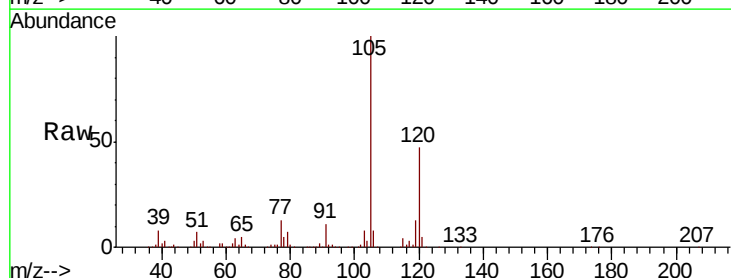
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

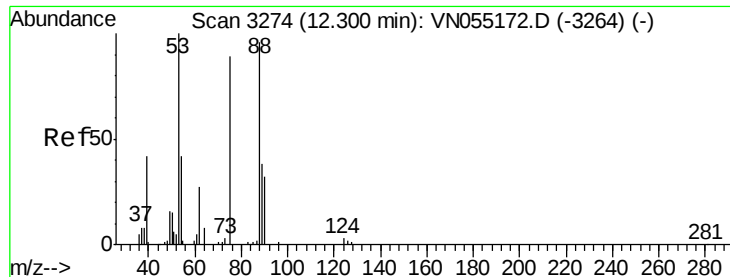
Tgt Ion: 91 Resp: 306716
 Ion Ratio Lower Upper
 91 100
 126 32.7 16.8 50.3



#80
 1,3,5-Trimethylbenzene
 Concen: 20.397 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion: 105 Resp: 372166
 Ion Ratio Lower Upper
 105 100
 120 46.8 23.9 71.7





#81

trans-1,4-Dichloro-2-butene

Concen: 21.329 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

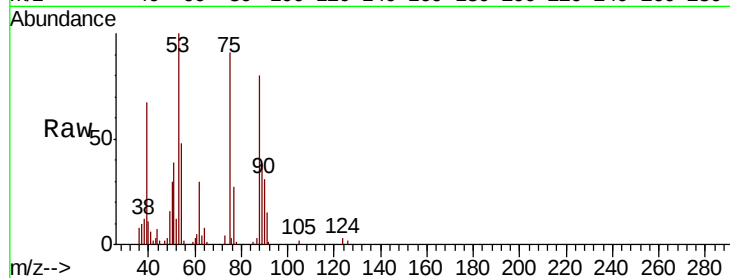
Tgt Ion: 75 Resp: 27821

Ion Ratio Lower Upper

75 100

53 112.4 90.1 135.1

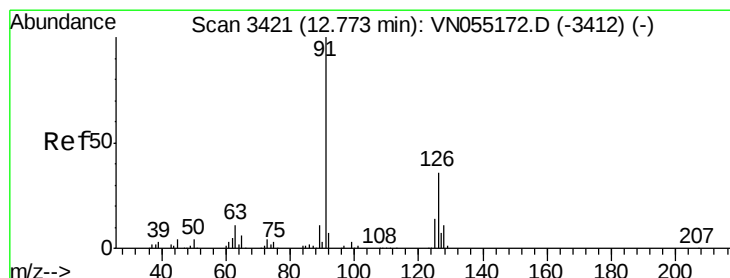
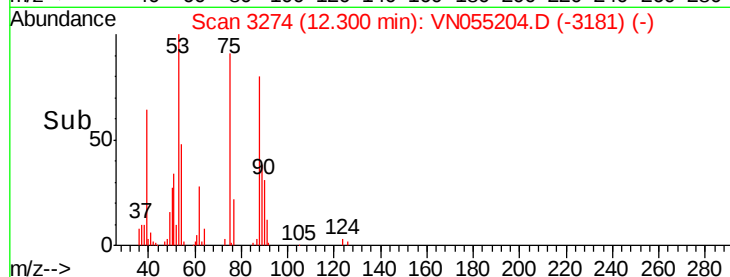
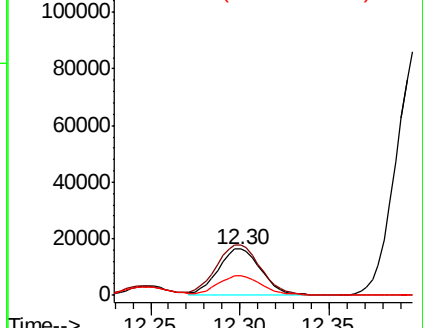
89 43.4 36.7 55.1



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 20.154 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055204.D

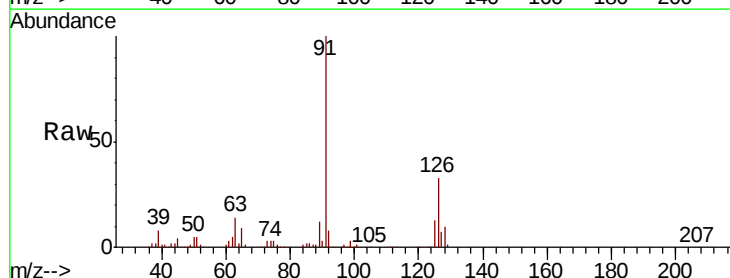
Acq: 23 Apr 2019 14:21

Tgt Ion: 91 Resp: 286211

Ion Ratio Lower Upper

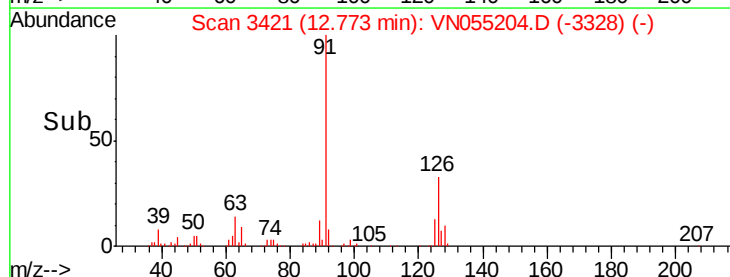
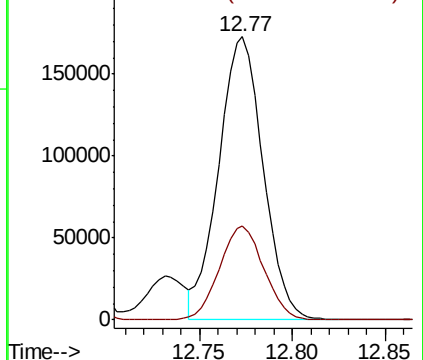
91 100

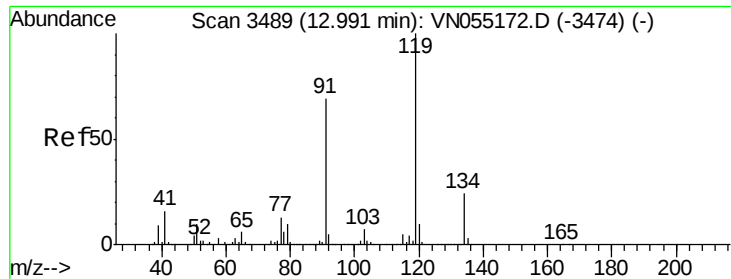
126 33.4 16.5 49.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

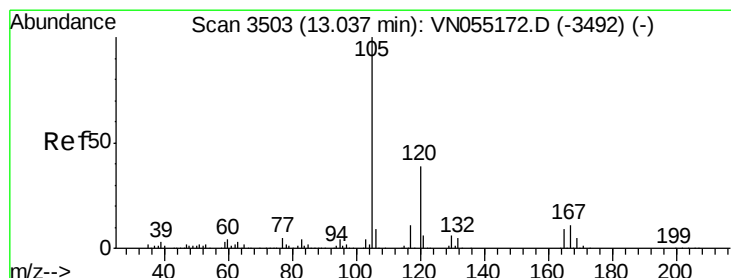
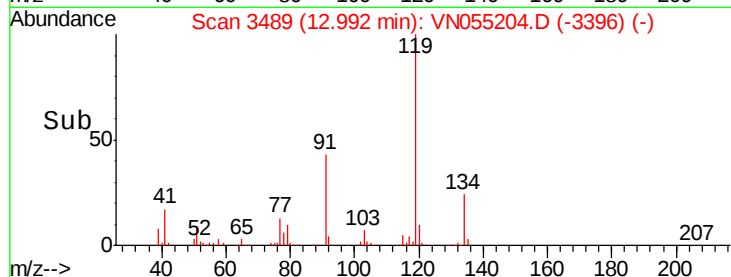
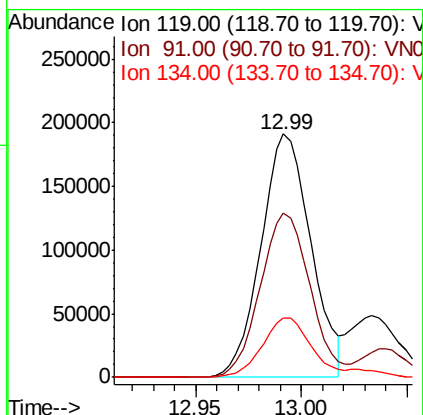
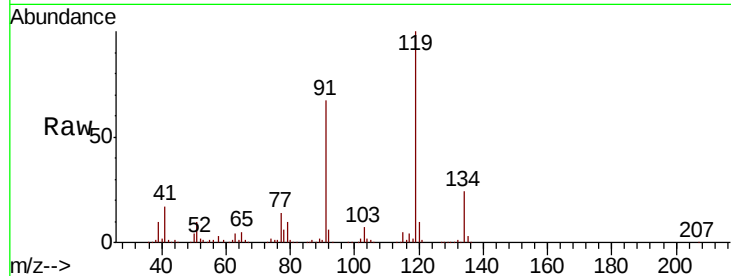




#83
 tert-Butylbenzene
 Concen: 21.760 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

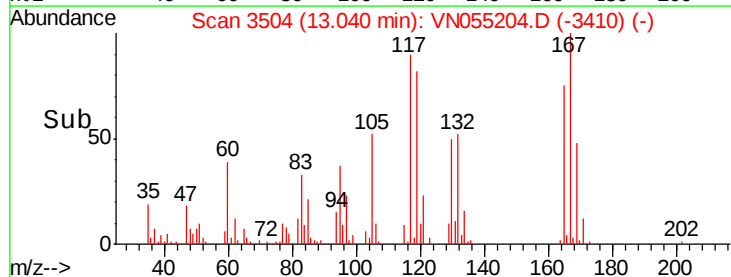
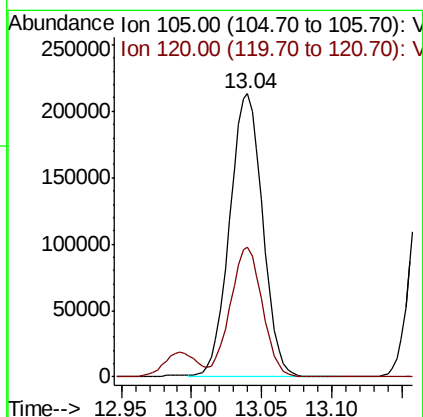
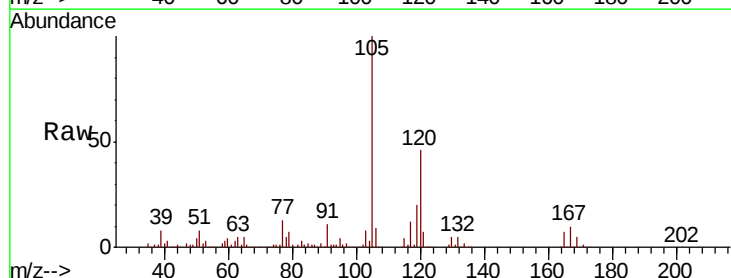
Instrument :
 MSVOA_N
 ClientSampled :
 VN0423MBS01

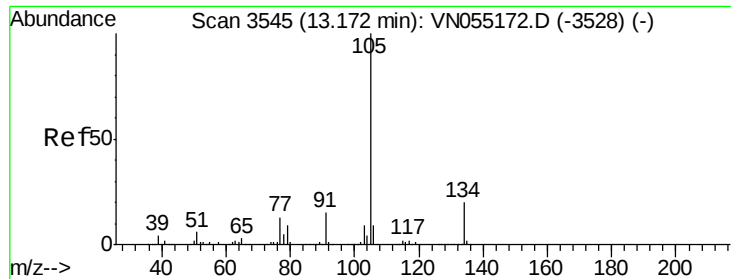
Tgt Ion:119 Resp: 315362
 Ion Ratio Lower Upper
 119 100
 91 67.2 33.8 101.3
 134 23.8 13.2 39.5



#84
 1,2,4-Trimethylbenzene
 Concen: 20.320 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:105 Resp: 349885
 Ion Ratio Lower Upper
 105 100
 120 44.7 22.7 68.1

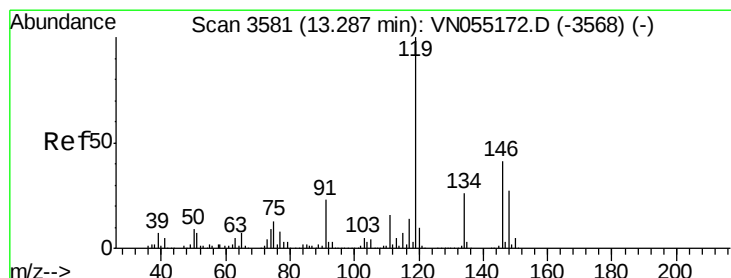
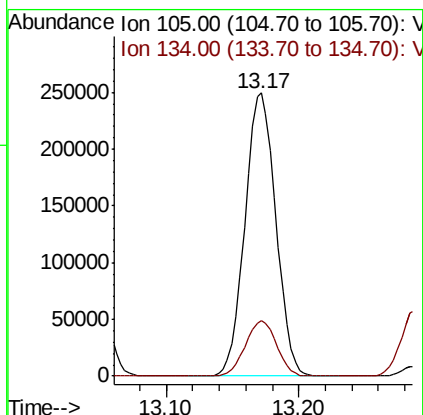
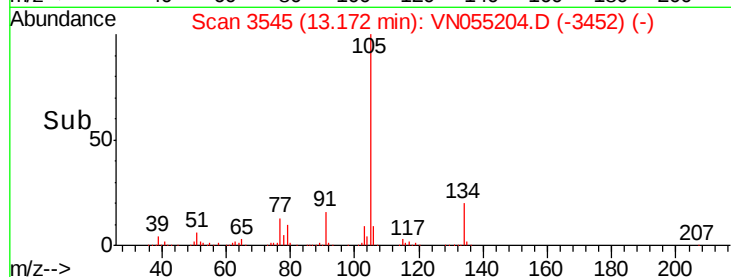
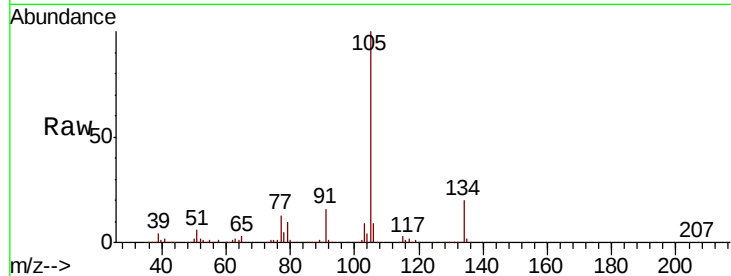




#85
 sec-Butylbenzene
 Concen: 19.495 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

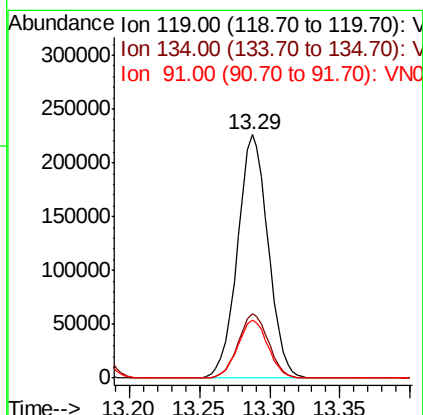
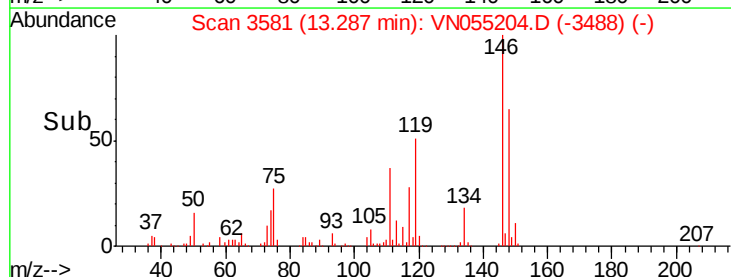
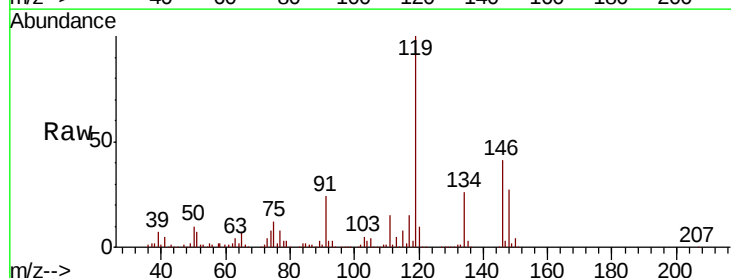
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

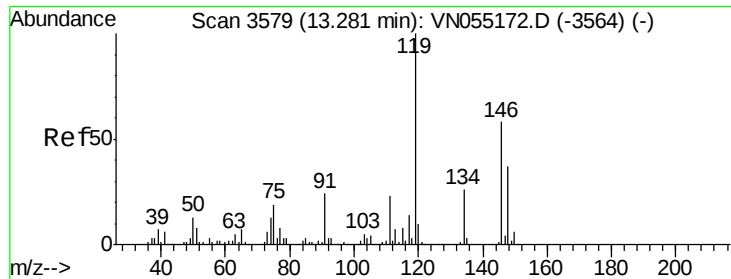
Tgt Ion:105 Resp: 402418
 Ion Ratio Lower Upper
 105 100
 134 19.8 10.0 30.0



#86
 p-Isopropyltoluene
 Concen: 20.165 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:119 Resp: 342933
 Ion Ratio Lower Upper
 119 100
 134 26.4 13.1 39.3
 91 23.9 11.8 35.3

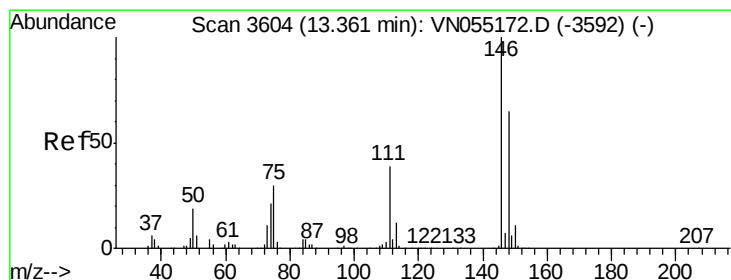
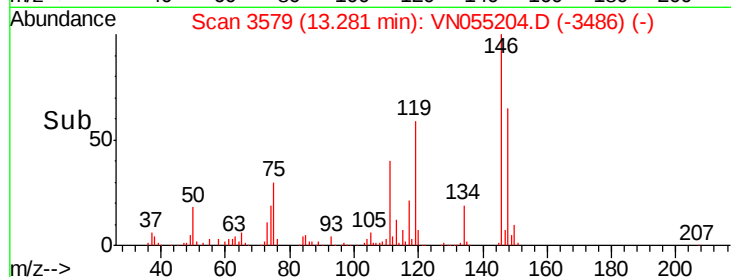
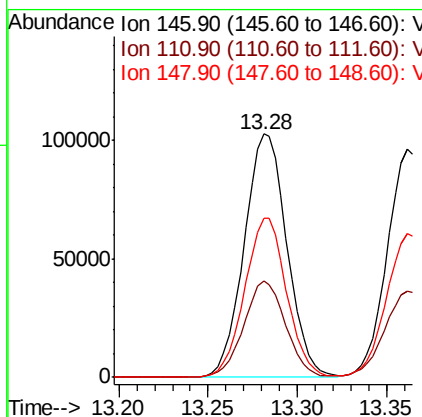
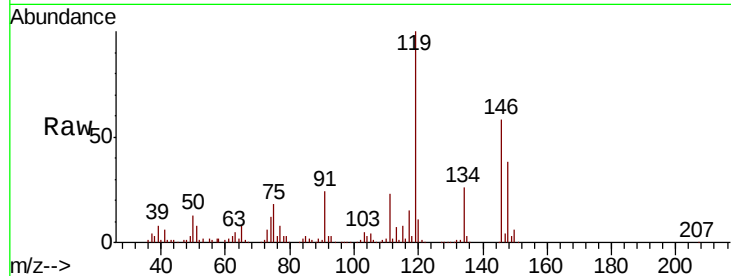




#87
 1,3-Dichlorobenzene
 Concen: 20.808 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

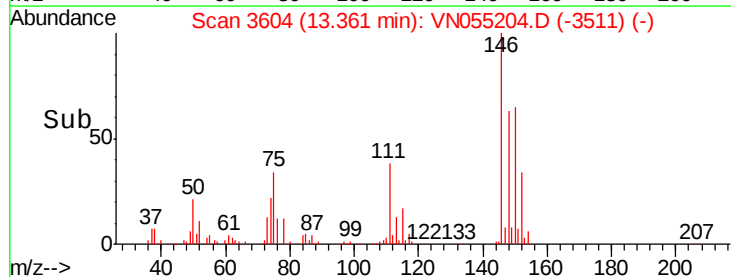
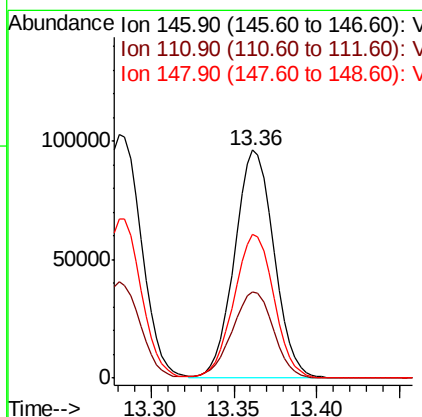
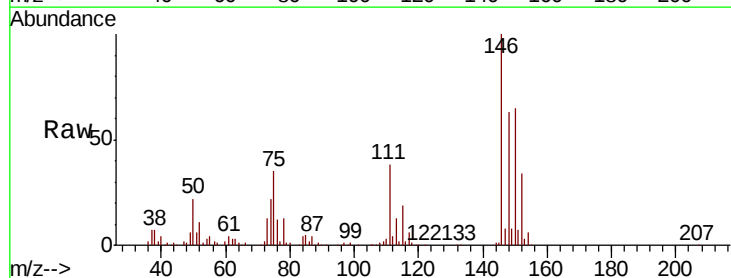
Instrument :
 MSVOA_N
 ClientSampled :
 VN0423MBS01

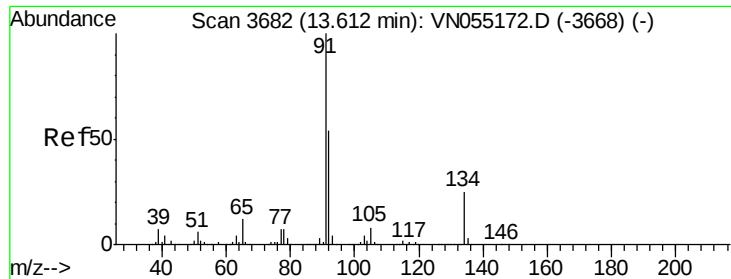
Tgt Ion:146 Resp: 171875
 Ion Ratio Lower Upper
 146 100
 111 38.6 19.7 59.1
 148 64.0 32.0 96.0



#88
 1,4-Dichlorobenzene
 Concen: 19.783 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:146 Resp: 159093
 Ion Ratio Lower Upper
 146 100
 111 40.0 19.4 58.2
 148 64.0 32.9 98.6





#89

n-Butylbenzene

Concen: 19.585 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

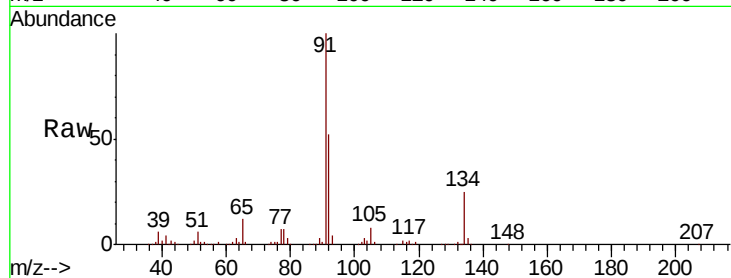
Tgt Ion: 91 Resp: 246882

Ion Ratio Lower Upper

91 100

92 51.8 26.4 79.2

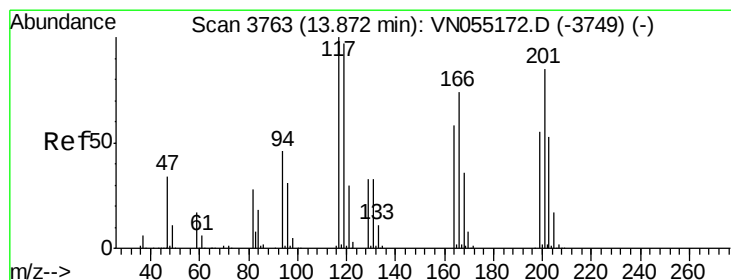
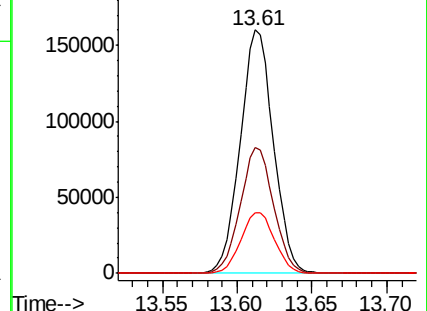
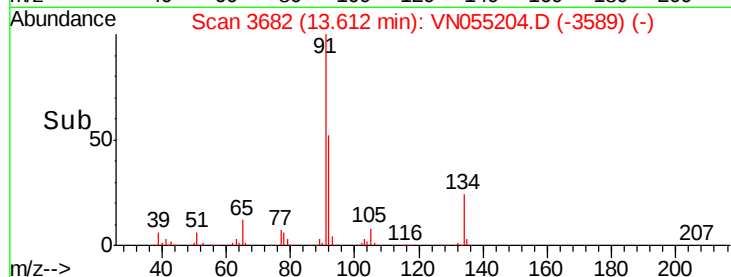
134 25.6 12.8 38.4



Abundance Ion 91.00 (90.70 to 91.70): VN055204.D (-3589) (-)

Ion 92.00 (91.70 to 92.70): VN055204.D (-3589) (-)

Ion 134.00 (133.70 to 134.70): VN055204.D (-3589) (-)



#90

Hexachloroethane

Concen: 19.118 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055204.D

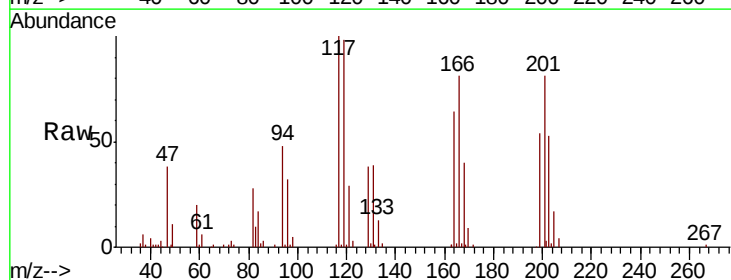
Acq: 23 Apr 2019 14:21

Tgt Ion: 117 Resp: 57662

Ion Ratio Lower Upper

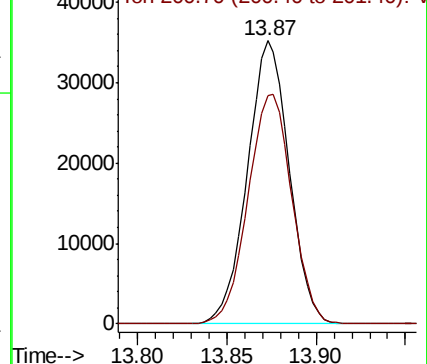
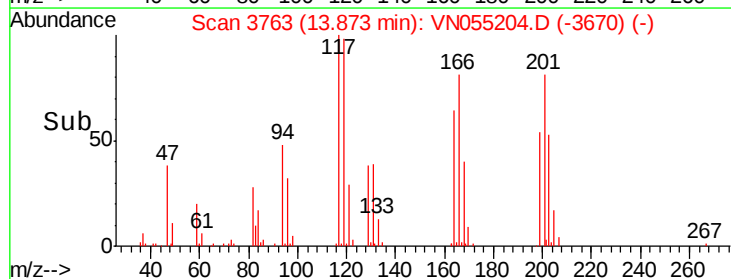
117 100

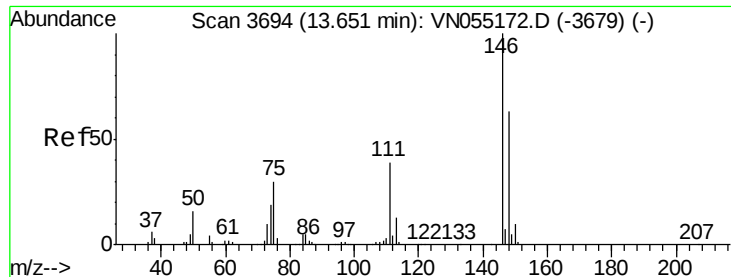
201 84.8 43.1 129.4



Abundance Ion 116.80 (116.50 to 117.50): VN055204.D (-3670) (-)

Ion 200.70 (200.40 to 201.40): VN055204.D (-3670) (-)





#91

1,2-Dichlorobenzene

Concen: 20.091 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

Instrument :

MSVOA_N

ClientSampleId :

VN0423MBS01

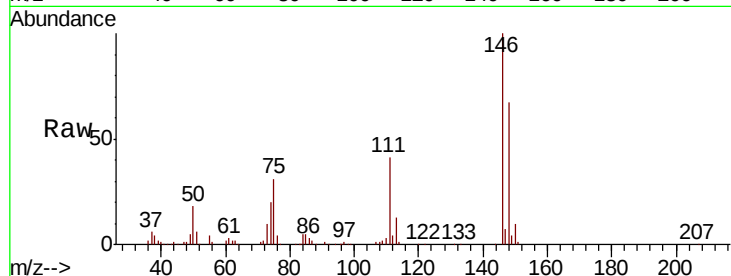
Tgt Ion:146 Resp: 170458

Ion Ratio Lower Upper

146 100

111 40.2 19.8 59.3

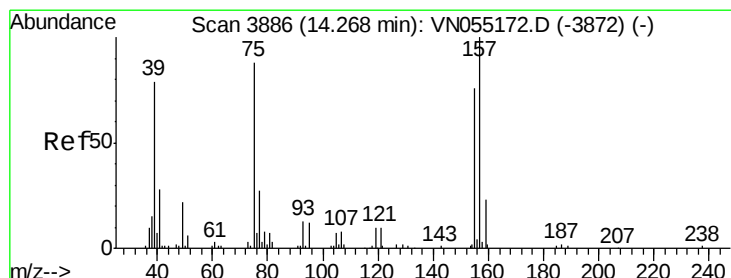
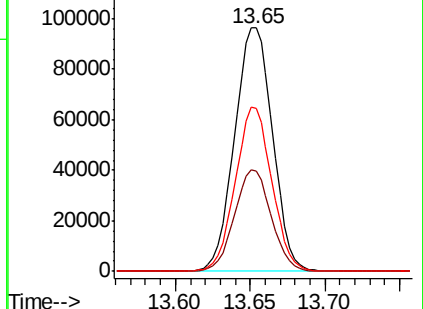
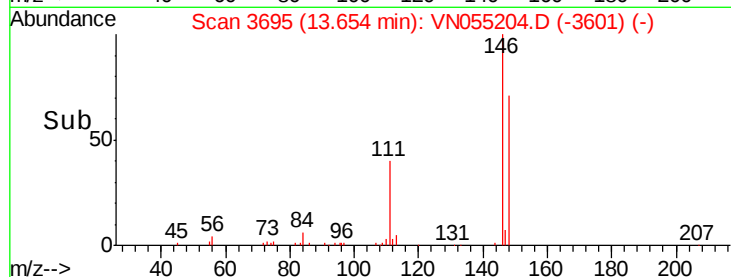
148 64.7 31.7 95.1



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: 22.265 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055204.D

Acq: 23 Apr 2019 14:21

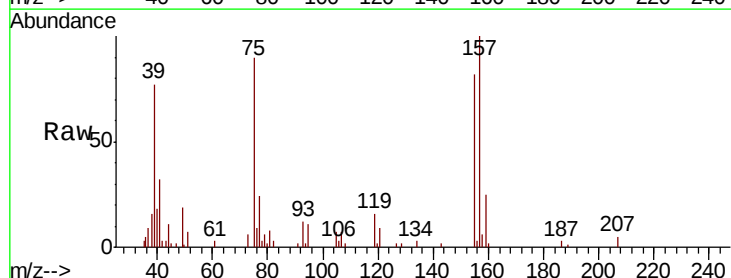
Tgt Ion: 75 Resp: 16479

Ion Ratio Lower Upper

75 100

155 89.5 43.0 129.0

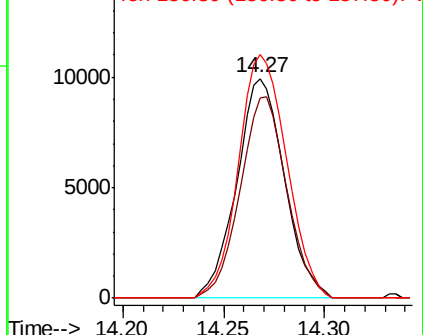
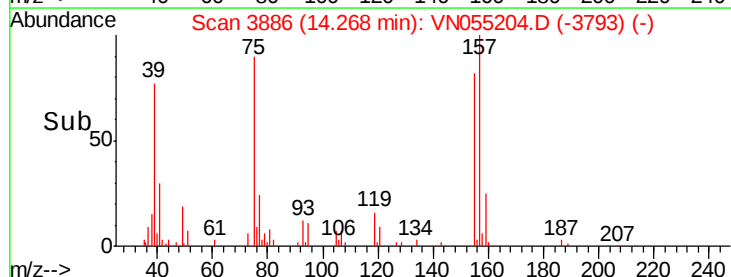
157 112.2 55.7 167.1

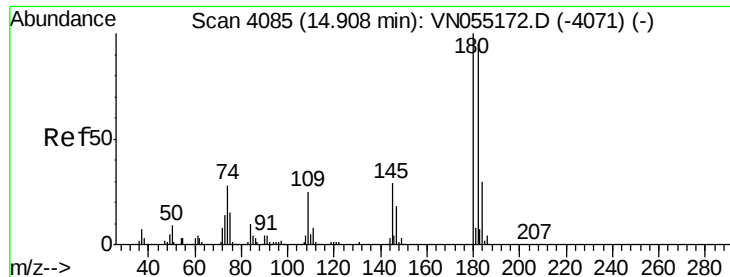


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

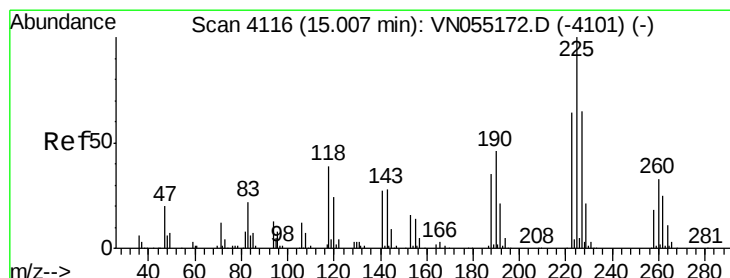
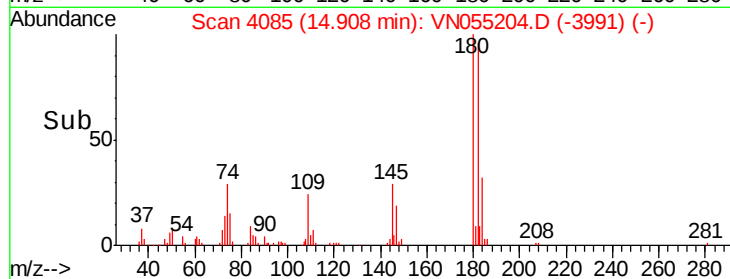
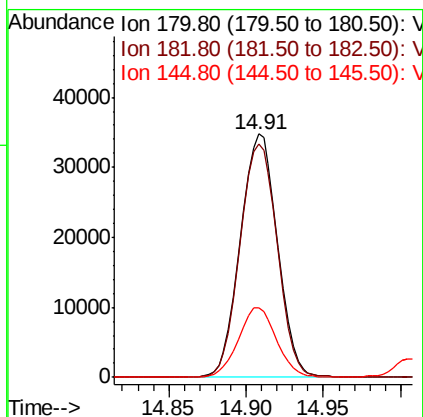
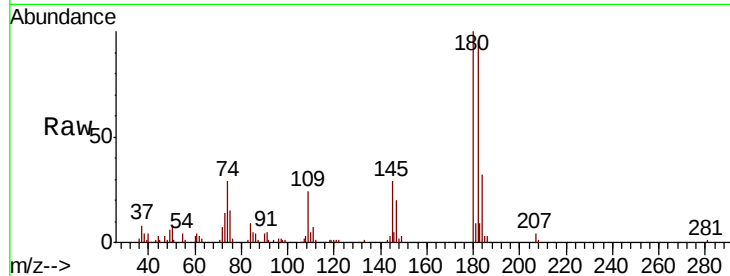




#93
 1,2,4-Trichlorobenzene
 Concen: 18.076 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

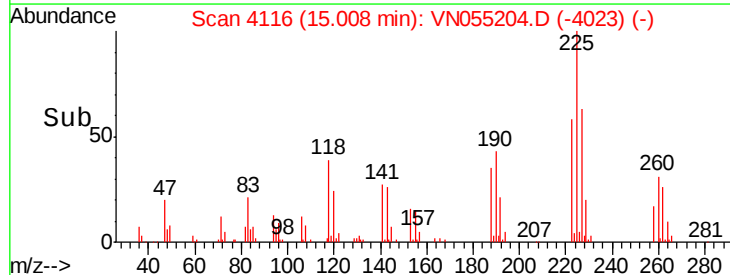
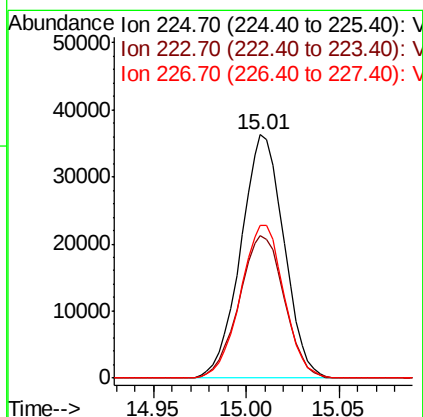
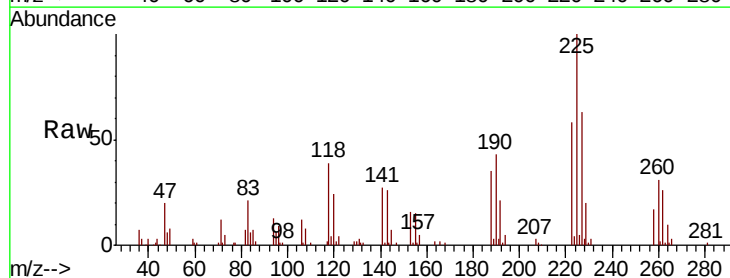
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0423MBS01

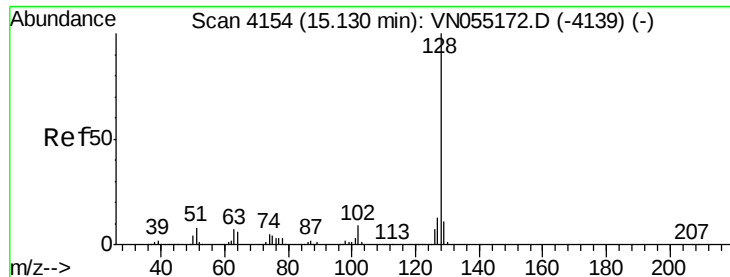
Tgt Ion:180 Resp: 58163
 Ion Ratio Lower Upper
 180 100
 182 96.4 47.8 143.4
 145 29.3 14.5 43.5



#94
 Hexachlorobutadiene
 Concen: 22.478 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055204.D
 Acq: 23 Apr 2019 14:21

Tgt Ion:225 Resp: 58667
 Ion Ratio Lower Upper
 225 100
 223 61.0 32.2 96.6
 227 63.3 32.6 98.0

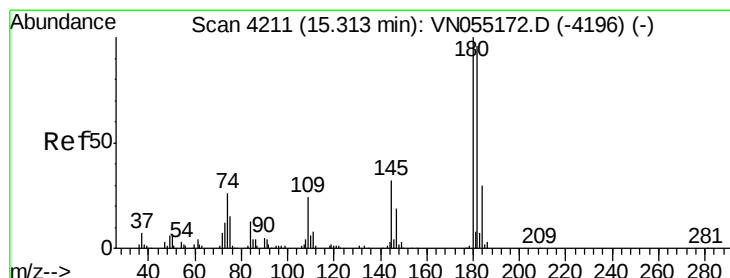
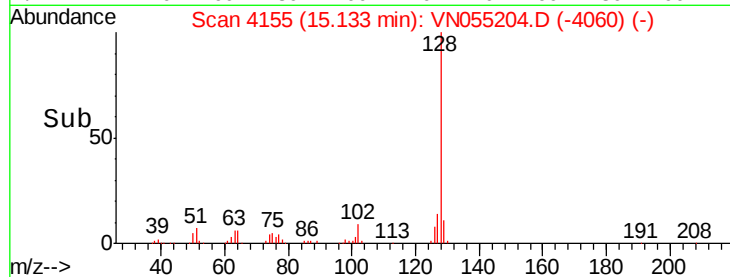
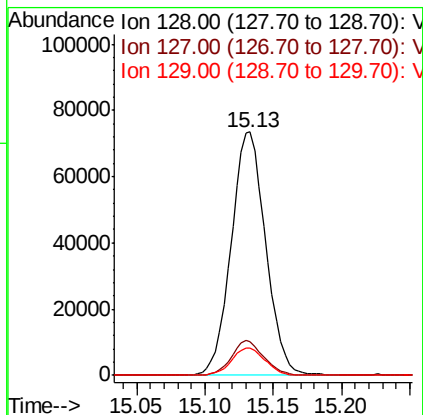
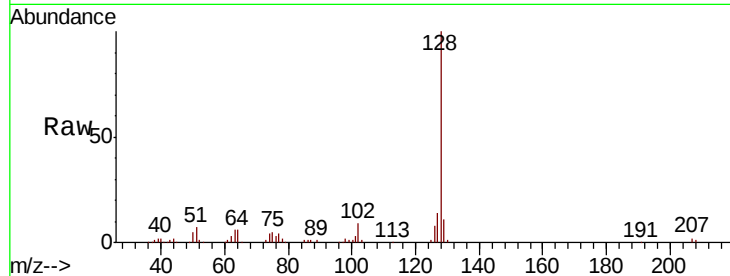




#95
Naphthalene
Concen: 18.696 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Instrument :
MSVOA_N
ClientSampleId :
VN0423MBS01

Tgt Ion	Resp	Lower	Upper
128	128649		
127	13.5	10.3	15.5
129	10.8	8.8	13.2



#96
1,2,3-Trichlorobenzene
Concen: 18.676 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055204.D
Acq: 23 Apr 2019 14:21

Tgt Ion	Resp	Lower	Upper
180	61536		
182	99.3	47.2	141.6
145	31.5	15.4	46.1

