

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
 Data File : VN055284.D
 Acq On : 29 Apr 2019 10:42
 Operator : JC/SP
 Sample : VSTDIC010
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Quant Time: Apr 30 03:46:41 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	417707	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	673757	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	554331	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	176041	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	57382	10.21	ug/l	0.00
Spiked Amount			Recovery	=	20.42%	
35) Dibromofluoromethane	7.59	113	44722	9.88	ug/l	0.00
Spiked Amount			Recovery	=	19.76%	
50) Toluene-d8	10.09	98	157128	9.37	ug/l	0.00
Spiked Amount			Recovery	=	18.74%	
62) 4-Bromofluorobenzene	12.40	95	45316	8.56	ug/l	0.00
Spiked Amount			Recovery	=	17.12%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	56704	10.699	ug/l	95
3) Chloromethane	2.06	50	66917	10.312	ug/l	98
4) Vinyl Chloride	2.19	62	52909	10.183	ug/l	97
5) Bromomethane	2.56	94	28840	9.509	ug/l	95
6) Chloroethane	2.71	64	27841	10.085	ug/l	96
7) Trichlorofluoromethane	3.02	101	75315	10.566	ug/l	98
8) Diethyl Ether	3.41	74	24584	9.671	ug/l	93
9) 1,1,2-Trichlorotrifluoroet	3.76	101	43747	9.837	ug/l	98
10) Methyl Iodide	3.95	142	62142	10.033	ug/l	99
11) Tert butyl alcohol	4.79	59	15066	46.074	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	41217	9.721	ug/l	98
13) Acrolein	3.61	56	12815	31.531	ug/l	95
14) Allyl chloride	4.33	41	86386	10.203	ug/l	98
15) Acrylonitrile	4.99	53	89666	49.907	ug/l	97
16) Acetone	3.82	43	87982	49.143	ug/l	100
17) Carbon Disulfide	4.06	76	107056	9.115	ug/l	98
18) Methyl Acetate	4.33	43	42410	8.313	ug/l	92
19) Methyl tert-butyl Ether	5.05	73	117397	9.912	ug/l	97
20) Methylene Chloride	4.55	84	51947	9.747	ug/l	98
21) trans-1,2-Dichloroethene	5.05	96	44156	9.927	ug/l	97
22) Diisopropyl ether	5.96	45	170623	10.077	ug/l	97
23) Vinyl Acetate	5.90	43	561589	49.694	ug/l	99
24) 1,1-Dichloroethane	5.85	63	92486	10.218	ug/l	99
25) 2-Butanone	6.84	43	106656	45.093	ug/l	96
26) 2,2-Dichloropropane	6.83	77	63328	10.282	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	51264	9.953	ug/l	98
28) Bromochloromethane	7.20	49	46658	10.105	ug/l	99
29) Tetrahydrofuran	7.21	42	72236	49.094	ug/l	98
30) Chloroform	7.37	83	85787	9.952	ug/l	99
31) Cyclohexane	7.66	56	89865	8.673	ug/l #	90
32) 1,1,1-Trichloroethane	7.57	97	69242	10.017	ug/l	99
36) 1,1-Dichloropropene	7.80	75	60787	9.851	ug/l	98
37) Ethyl Acetate	6.93	43	46560	9.344	ug/l	98
38) Carbon Tetrachloride	7.77	117	60085	10.322	ug/l	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	67033	9.121	ug/l	99
40) Benzene	8.04	78	192145	10.028	ug/l	100
41) Methacrylonitrile	7.17	41	20012	7.640	ug/l #	70
42) 1,2-Dichloroethane	8.12	62	67669	10.119	ug/l	100
43) Isopropyl Acetate	8.17	43	76207	9.396	ug/l	97
44) Trichloroethene	8.84	130	48180	9.971	ug/l	93
45) 1,2-Dichloropropane	9.12	63	53534	9.871	ug/l	96
46) Dibromomethane	9.21	93	30319	9.818	ug/l	99
47) Bromodichloromethane	9.40	83	63269	10.188	ug/l	98
48) Methyl methacrylate	9.20	41	34229	8.652	ug/l	97
49) 1,4-Dioxane	9.21	88	7721	173.012	ug/l #	91
51) 4-Methyl-2-Pentanone	9.99	43	220614	47.283	ug/l	98
52) Toluene	10.16	92	110922	9.924	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	52788	9.266	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	67691	9.575	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	41567	10.029	ug/l	97
56) Ethyl methacrylate	10.43	69	50050	9.722	ug/l	96
57) 1,3-Dichloropropane	10.71	76	71181	9.883	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	54307	34.180	ug/l	99
59) 2-Hexanone	10.75	43	132893	45.629	ug/l	98
60) Dibromochloromethane	10.90	129	40119	9.385	ug/l	95
61) 1,2-Dibromoethane	11.01	107	36508	9.409	ug/l	94
64) Tetrachloroethene	10.63	164	46638	10.395	ug/l	96
65) Chlorobenzene	11.43	112	111248	9.920	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.51	131	42942	10.284	ug/l	99
67) Ethyl Benzene	11.51	91	196455	9.827	ug/l	100
68) m/p-Xylenes	11.62	106	141987	19.868	ug/l	98
69) o-Xylene	11.95	106	71156	10.023	ug/l	97
70) Styrene	11.96	104	105484	9.607	ug/l	99
71) Bromoform	12.13	173	22584	9.148	ug/l #	100
73) Isopropylbenzene	12.25	105	190390	11.227	ug/l	99
74) N-amyl acetate	12.07	43	42510	9.376	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.50	83	47047	10.518	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	52589	14.552	ug/l #	100
77) Bromobenzene	12.53	156	41669	10.748	ug/l	99
78) n-propylbenzene	12.59	91	191010	10.801	ug/l	99
79) 2-Chlorotoluene	12.67	91	124174	11.120	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	147365	11.179	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	9731	10.310	ug/l	91
82) 4-Chlorotoluene	12.77	91	106968	10.455	ug/l	99
83) tert-Butylbenzene	12.99	119	126487	10.719	ug/l	100
84) 1,2,4-Trimethylbenzene	13.04	105	130789	10.527	ug/l	97
85) sec-Butylbenzene	13.17	105	161567	10.823	ug/l	100
86) p-Isopropyltoluene	13.29	119	128571	10.470	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	60345	10.195	ug/l	96
88) 1,4-Dichlorobenzene	13.36	146	55543	9.624	ug/l	98
89) n-Butylbenzene	13.61	91	83048	9.182	ug/l	99
90) Hexachloroethane	13.87	117	22928	10.469	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	62517	10.299	ug/l	98
92) 1,2-Dibromo-3-Chloropropan	14.27	75	4947	9.278	ug/l	98

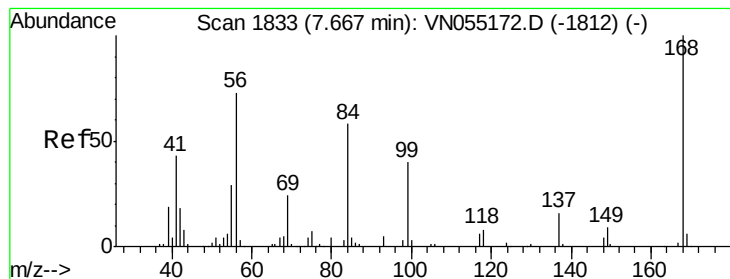
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	15043	7.128	ug/l	99
94) Hexachlorobutadiene	15.01	225	22098	10.072	ug/l	99
95) Naphthalene	15.13	128	35315	7.945	ug/l	99
96) 1,2,3-Trichlorobenzene	15.31	180	17035	7.773	ug/l	95

(#) = 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: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

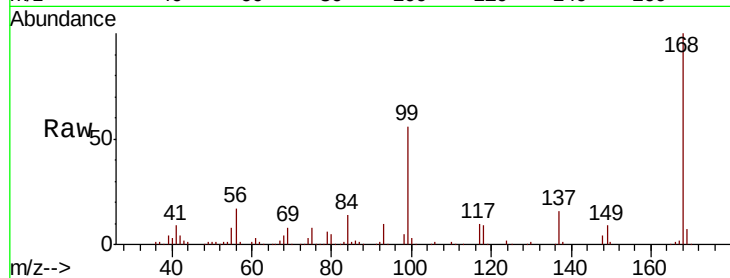
VSTDIC010

Tgt Ion:168 Resp: 417707

Ion Ratio Lower Upper

168 100

99 54.9 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

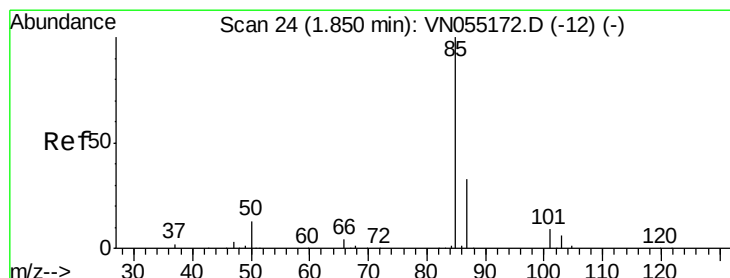
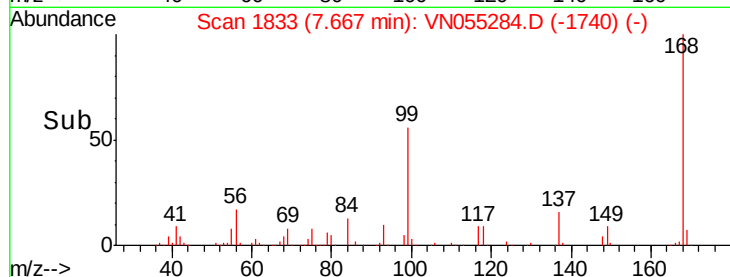
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 10.699 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055284.D

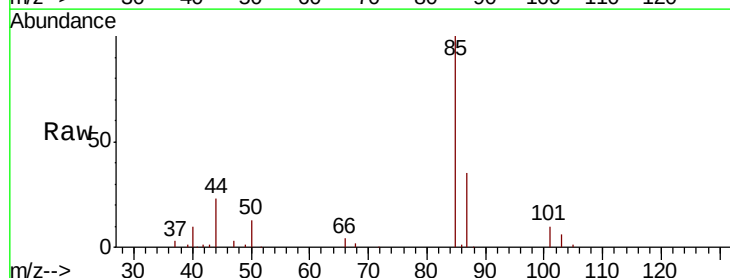
Acq: 29 Apr 2019 10:42

Tgt Ion: 85 Resp: 56704

Ion Ratio Lower Upper

85 100

87 34.8 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

40000

30000

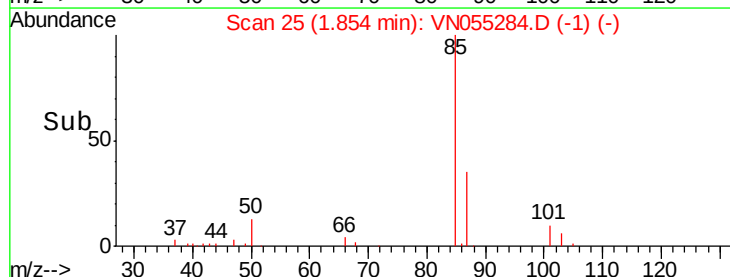
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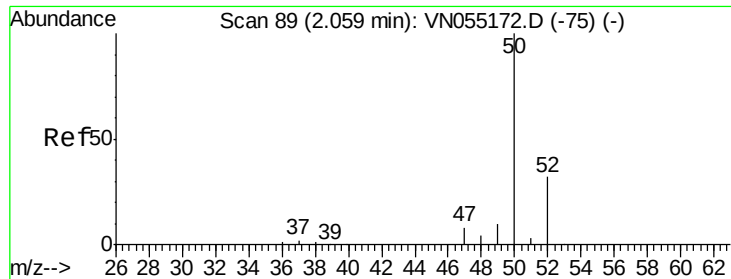
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0

1.80 1.85 1.90

Time-->





#3

Chloromethane

Concen: 10.312 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

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ClientSampleId :

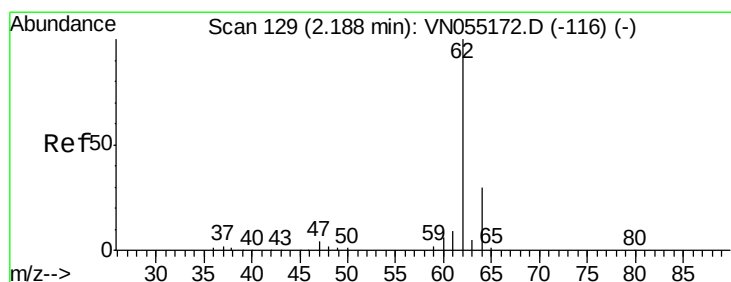
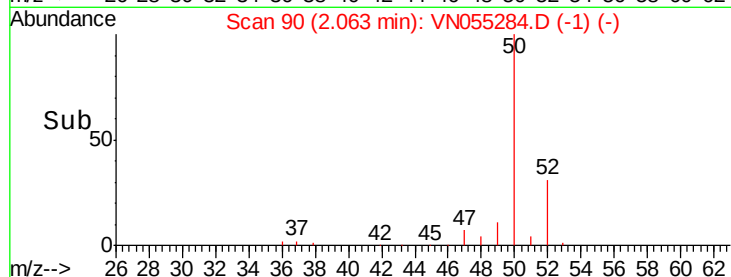
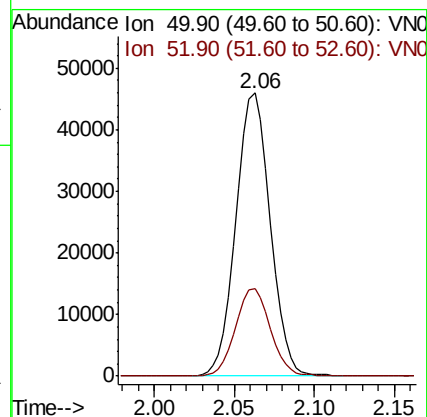
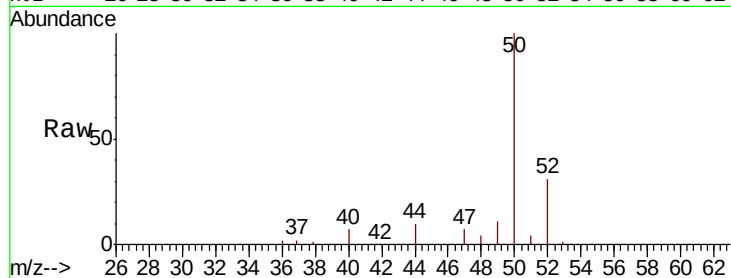
VSTDIC010

Tgt Ion: 50 Resp: 66917

Ion Ratio Lower Upper

50 100

52 30.8 25.7 38.5



#4

Vinyl Chloride

Concen: 10.183 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055284.D

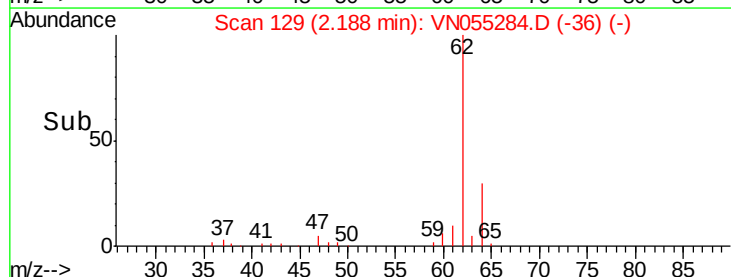
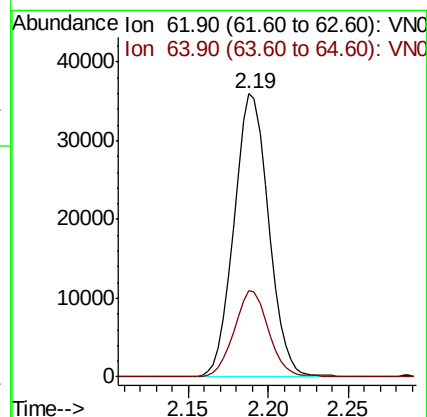
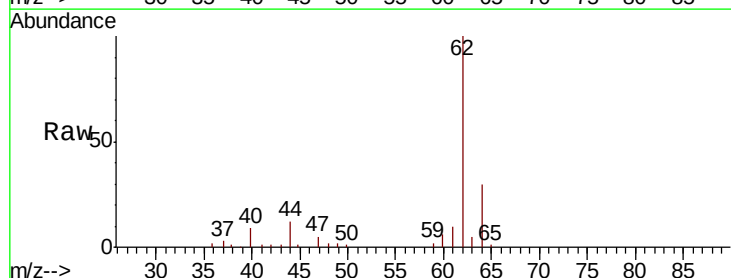
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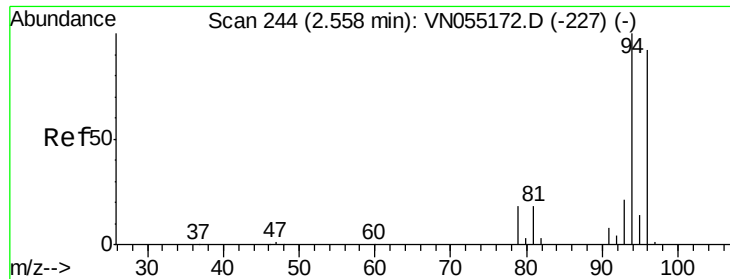
Tgt Ion: 62 Resp: 52909

Ion Ratio Lower Upper

62 100

64 30.4 25.5 38.3

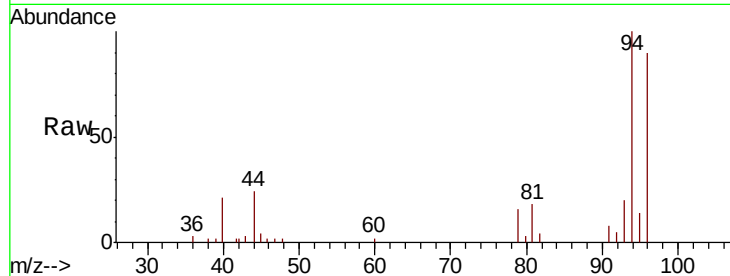




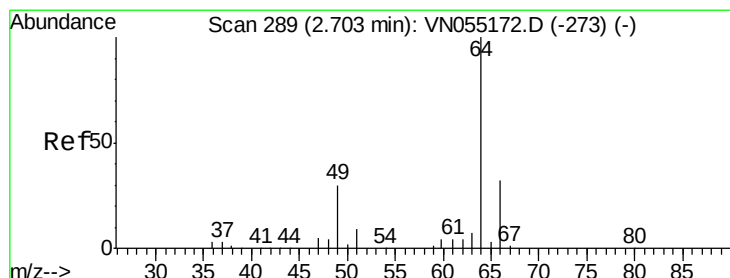
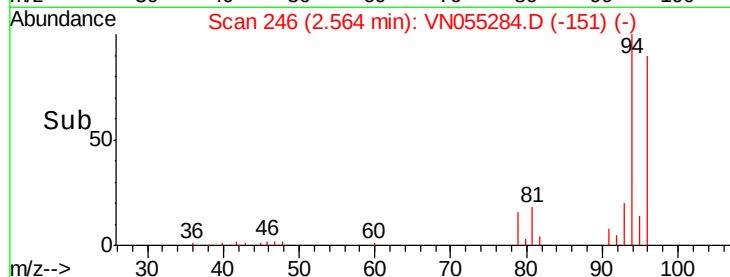
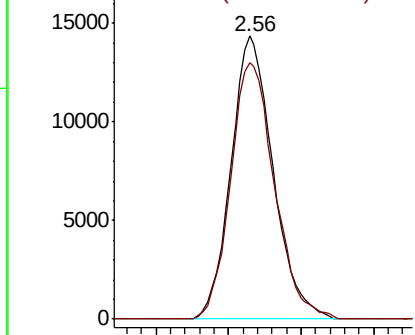
#5
Bromomethane
Concen: 9.509 ug/l
RT: 2.56 min Scan# 246
Delta R.T. 0.01 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Instrument :
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ClientSampleId :
VSTDIC010

Tgt Ion: 94 Resp: 28840
Ion Ratio Lower Upper
94 100
96 90.5 76.0 114.0

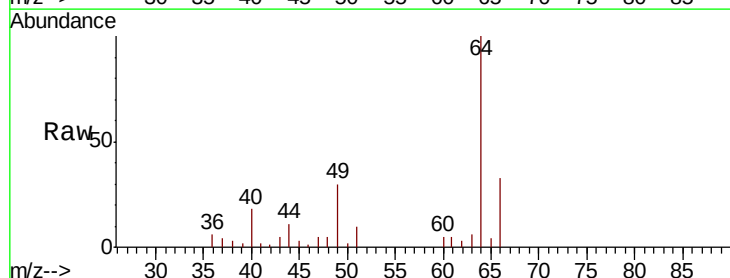


Abundance Ion 93.90 (93.60 to 94.60): VN0
Ion 95.90 (95.60 to 96.60): VN0

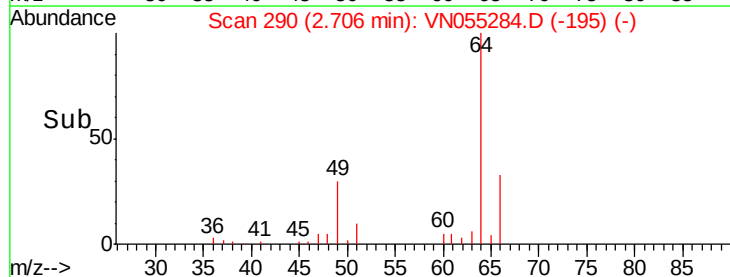
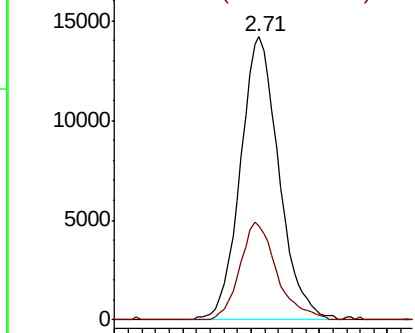


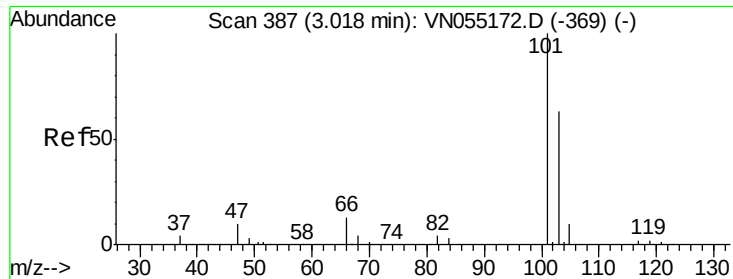
#6
Chloroethane
Concen: 10.085 ug/l
RT: 2.71 min Scan# 290
Delta R.T. 0.01 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 64 Resp: 27841
Ion Ratio Lower Upper
64 100
66 33.3 25.0 37.4



Abundance Ion 63.90 (63.60 to 64.60): VN0
Ion 65.90 (65.60 to 66.60): VN0



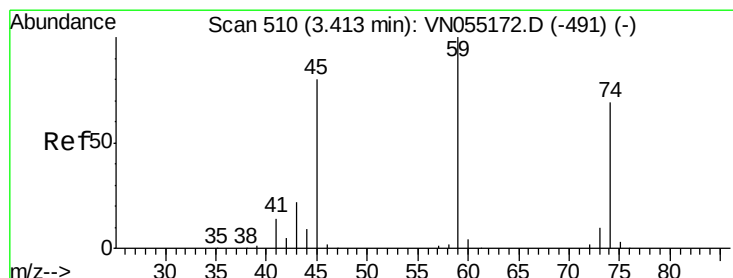
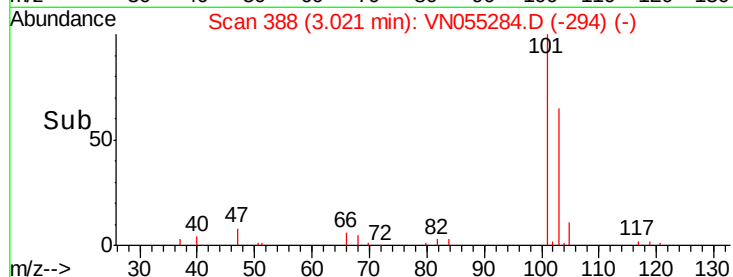
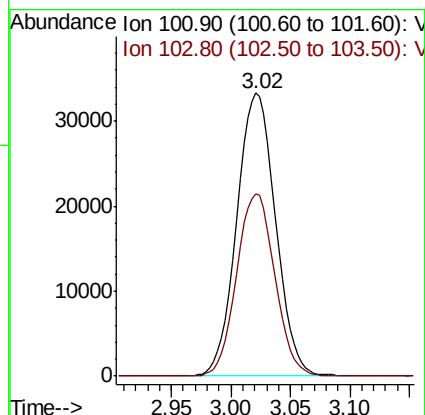
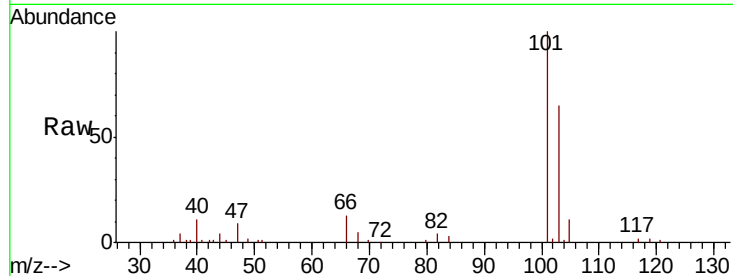


#7

Trichlorofluoromethane
 Concen: 10.566 ug/l
 RT: 3.02 min Scan# 388
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Instrument :
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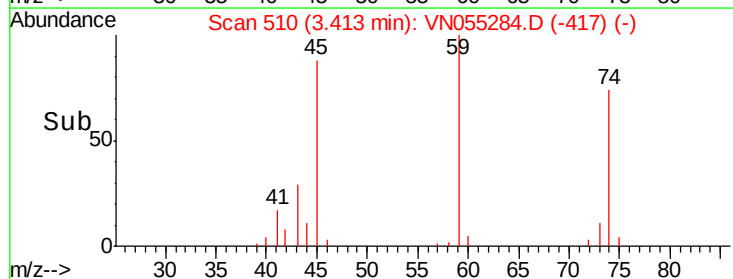
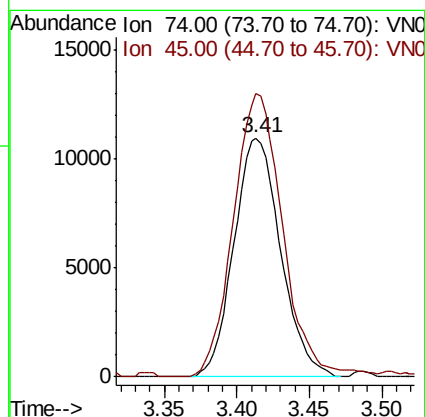
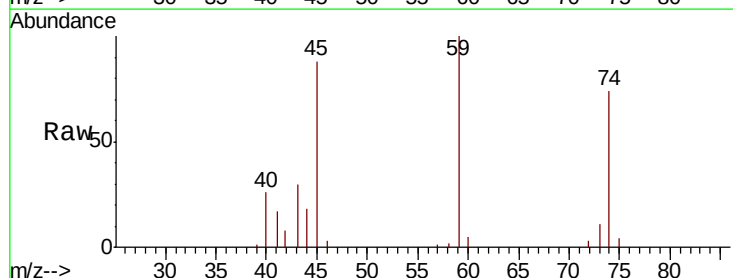
Tgt Ion:101 Resp: 75315
 Ion Ratio Lower Upper
 101 100
 103 64.5 52.6 79.0

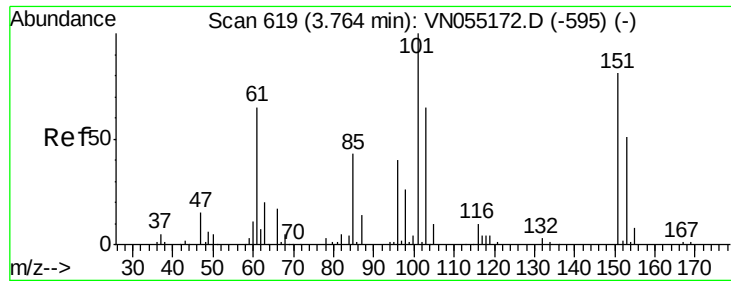


#8

Diethyl Ether
 Concen: 9.671 ug/l
 RT: 3.41 min Scan# 510
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 74 Resp: 24584
 Ion Ratio Lower Upper
 74 100
 45 125.3 58.9 176.6

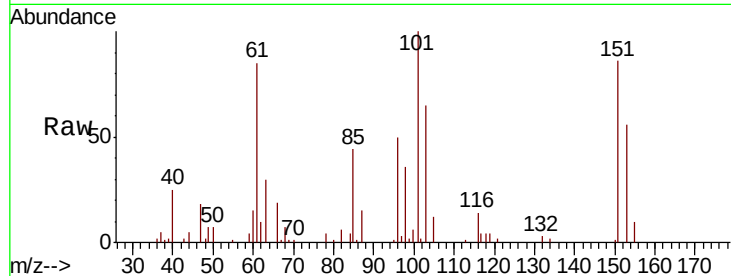




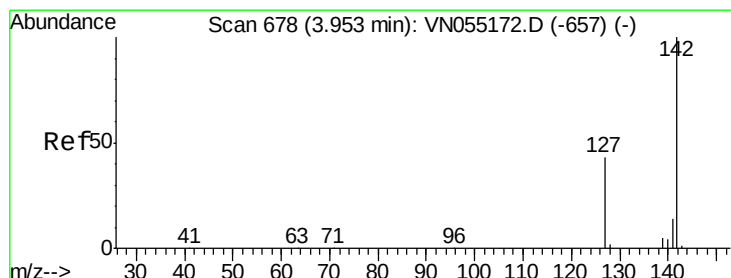
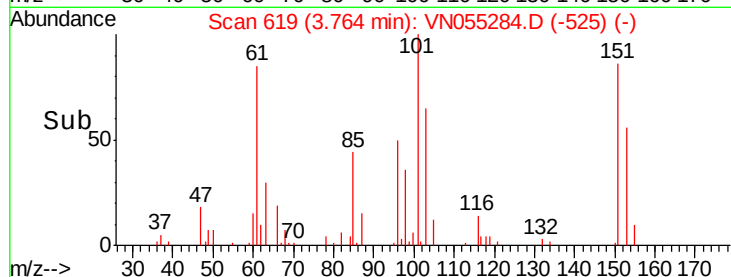
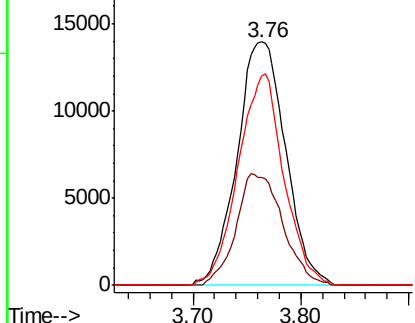
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 9.837 ug/l
 RT: 3.76 min Scan# 619
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tgt Ion:101 Resp: 43747
 Ion Ratio Lower Upper
 101 100
 85 44.2 35.7 53.5
 151 81.6 63.3 94.9

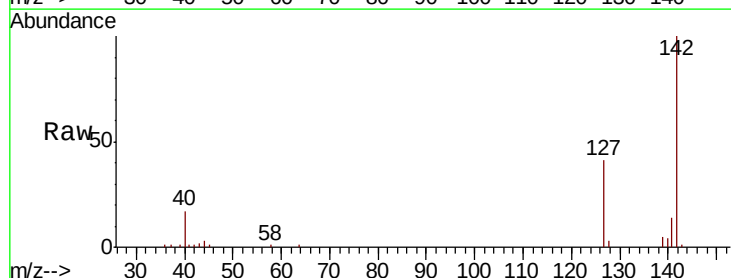


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

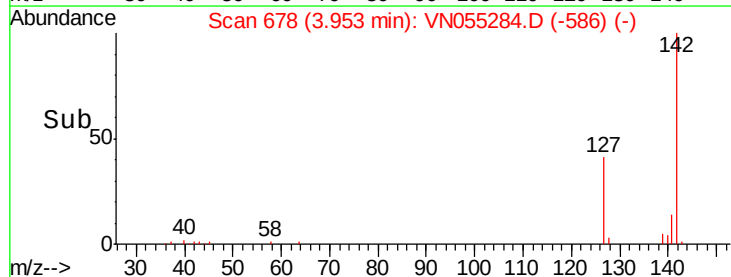
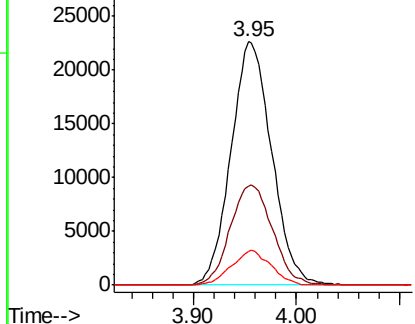


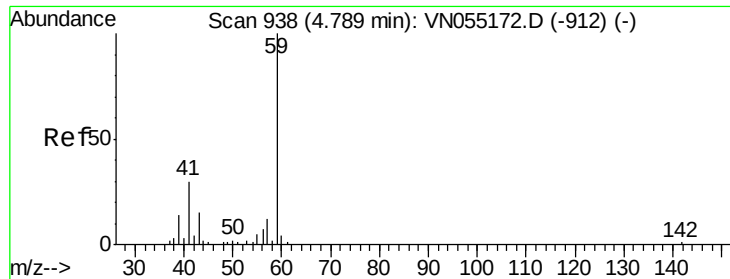
#10
 Methyl Iodide
 Concen: 10.033 ug/l
 RT: 3.95 min Scan# 678
 Delta R.T. -0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion:142 Resp: 62142
 Ion Ratio Lower Upper
 142 100
 127 42.7 34.4 51.6
 141 13.7 11.5 17.3



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

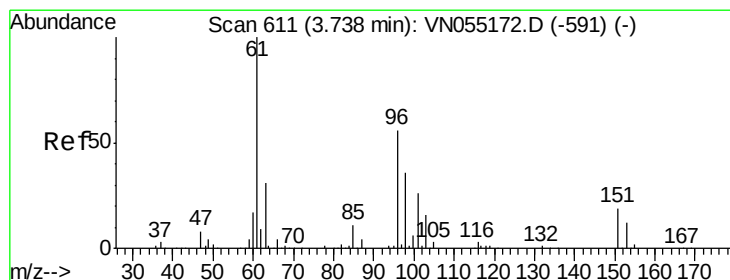
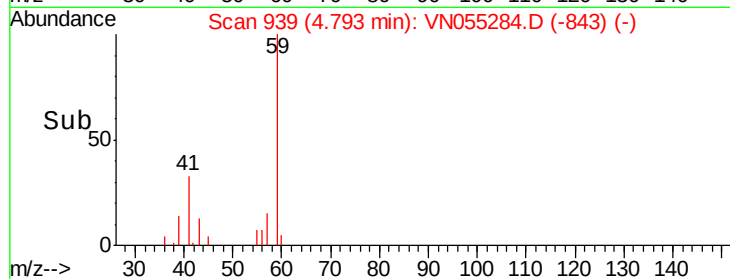
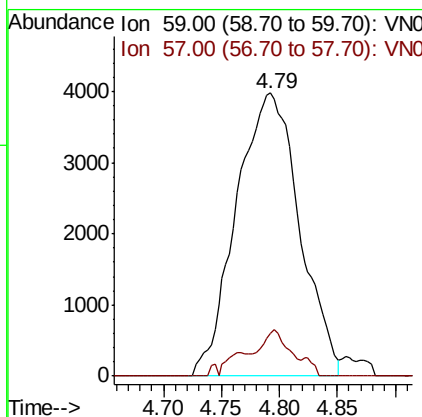
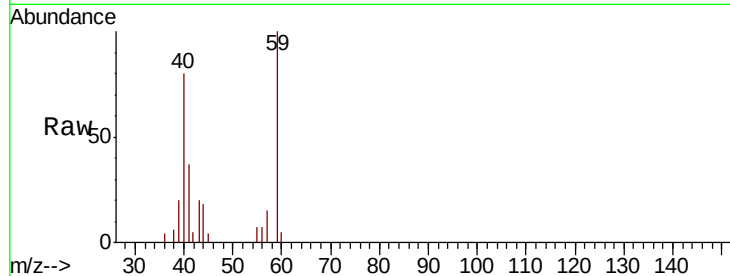




#11
Tert butyl alcohol
Concen: 46.074 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.01 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

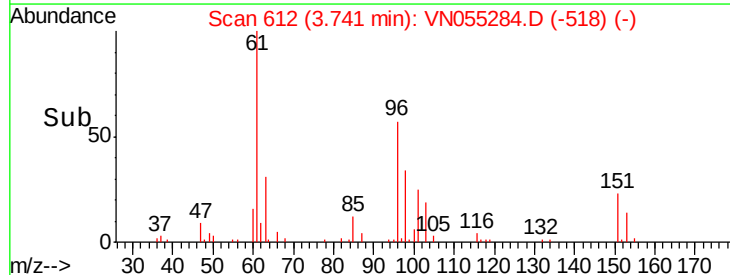
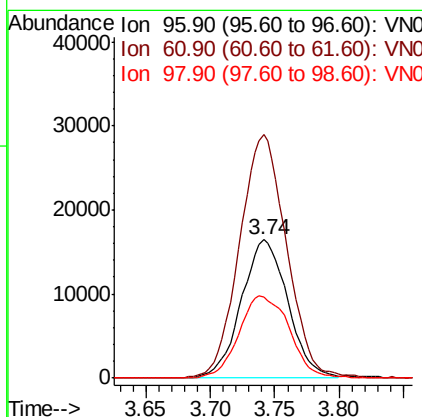
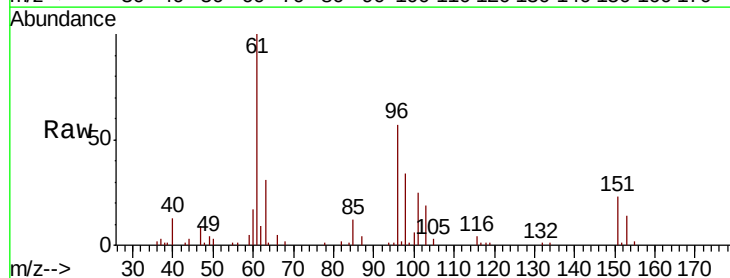
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

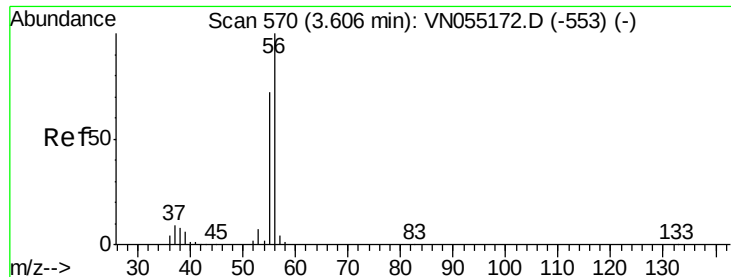
Tgt Ion: 59 Resp: 15066
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#12
1,1-Dichloroethene
Concen: 9.721 ug/l
RT: 3.74 min Scan# 612
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 96 Resp: 41217
Ion Ratio Lower Upper
96 100
61 175.3 140.9 211.3
98 59.1 50.0 75.0





#13

Acrolein

Concen: 31.531 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

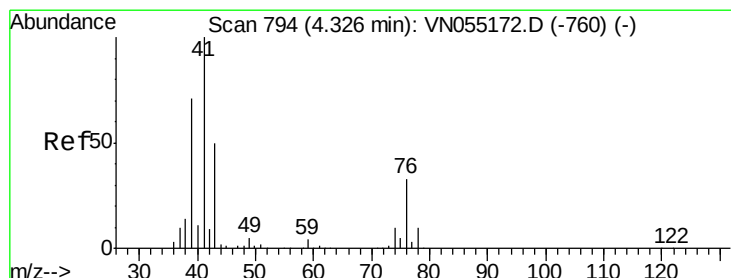
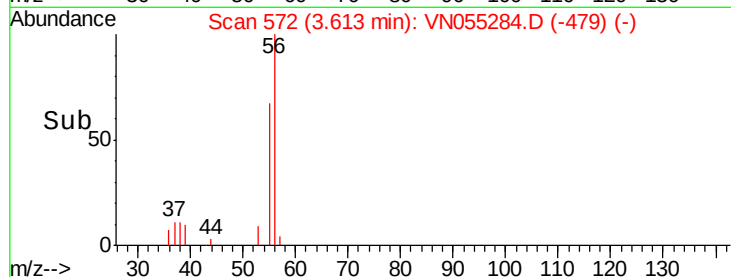
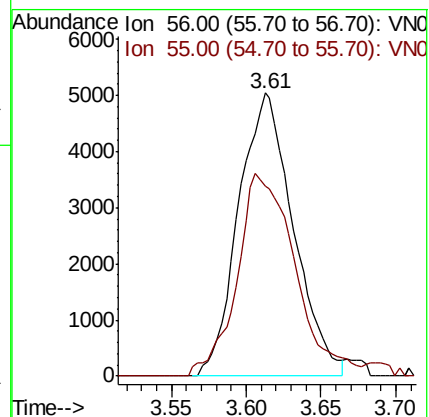
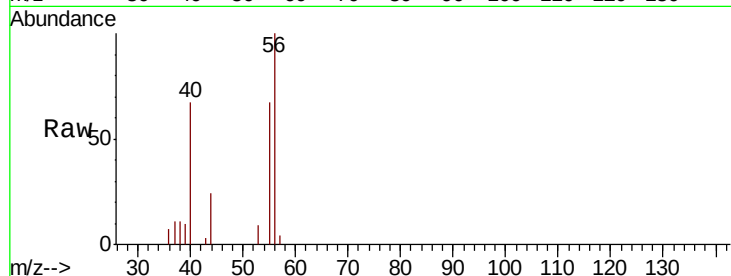
VSTDIC010

Tgt Ion: 56 Resp: 12815

Ion Ratio Lower Upper

56 100

55 75.9 57.4 86.2



#14

Allyl chloride

Concen: 10.203 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

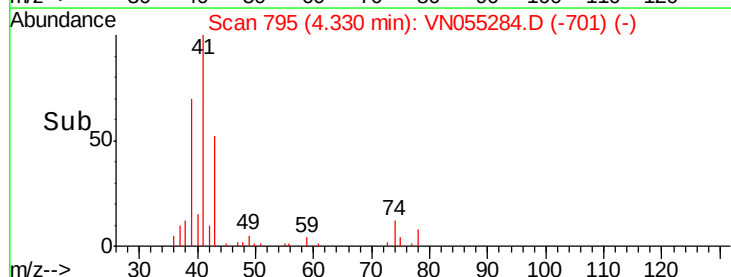
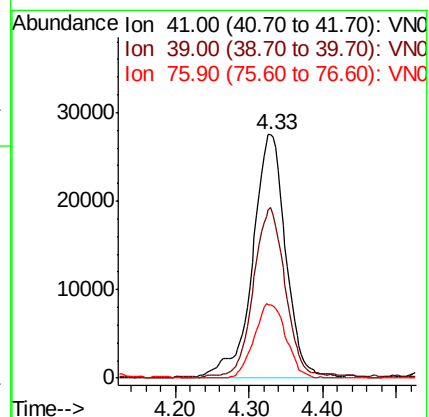
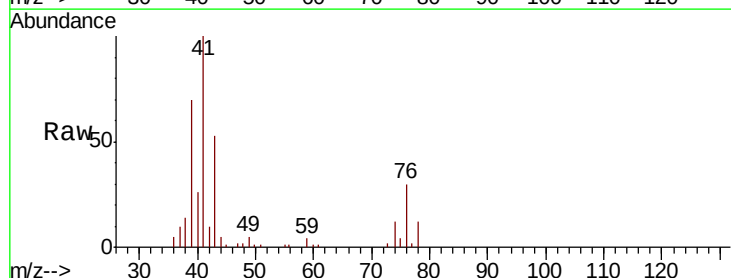
Tgt Ion: 41 Resp: 86386

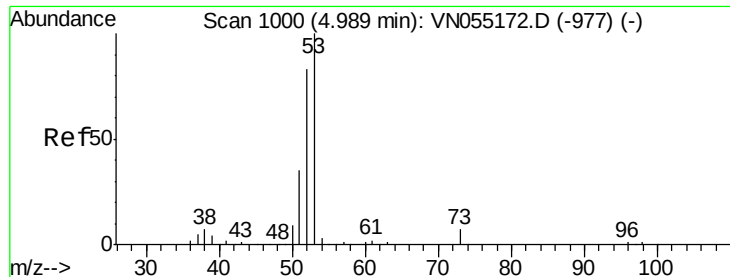
Ion Ratio Lower Upper

41 100

39 64.1 53.0 79.6

76 29.1 22.7 34.1

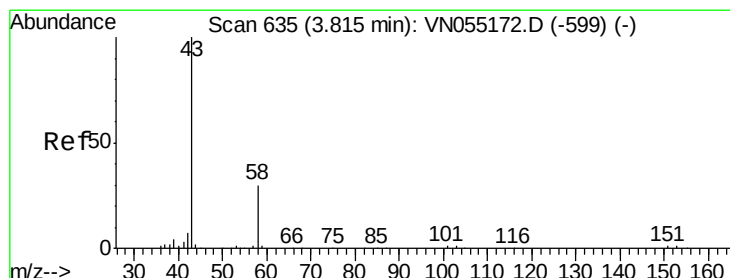
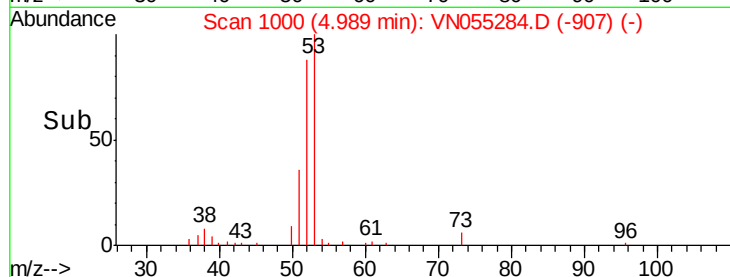
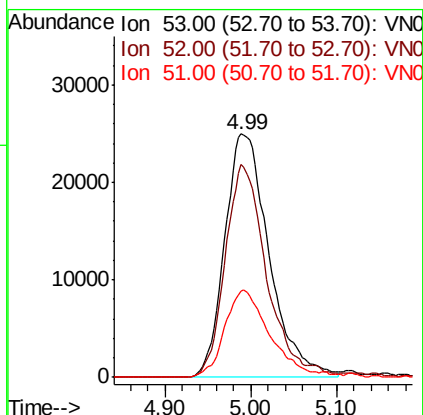
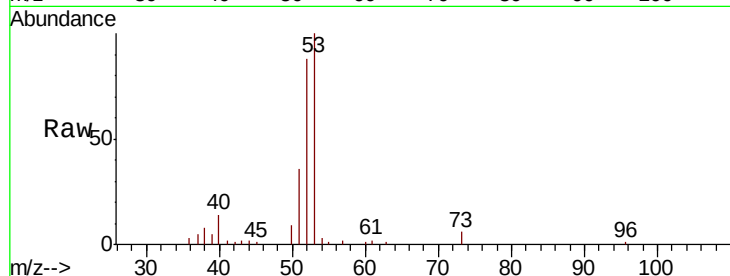




#15
 Acrylonitrile
 Concen: 49.907 ug/l
 RT: 4.99 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

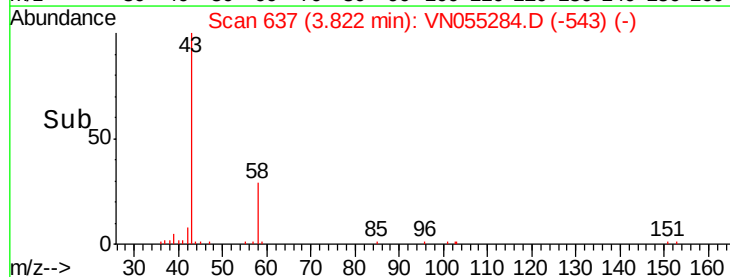
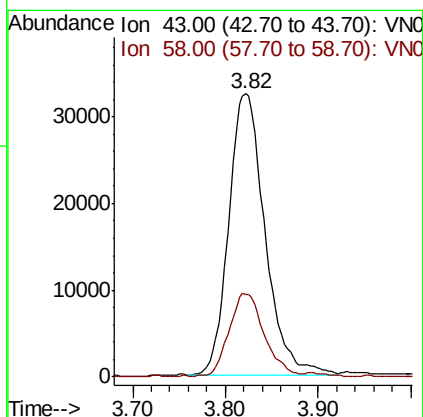
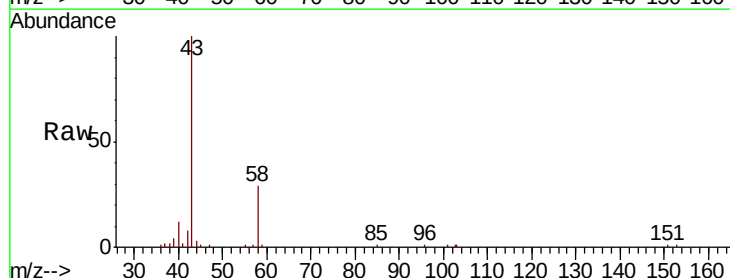
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

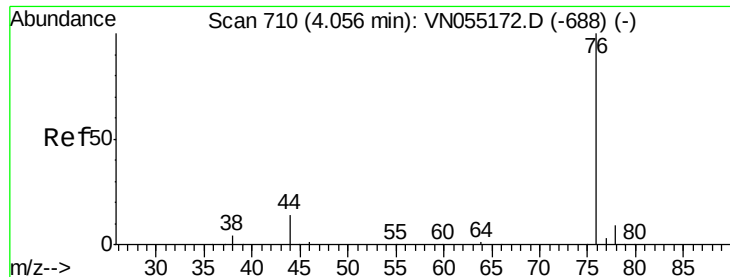
Tgt Ion: 53 Resp: 89666
 Ion Ratio Lower Upper
 53 100
 52 79.6 66.5 99.7
 51 36.0 29.6 44.4



#16
 Acetone
 Concen: 49.143 ug/l
 RT: 3.82 min Scan# 637
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 43 Resp: 87982
 Ion Ratio Lower Upper
 43 100
 58 29.5 23.6 35.4

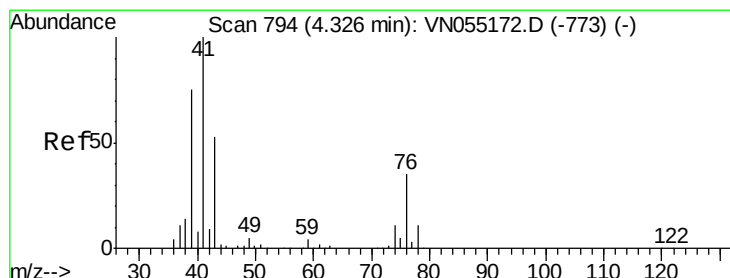
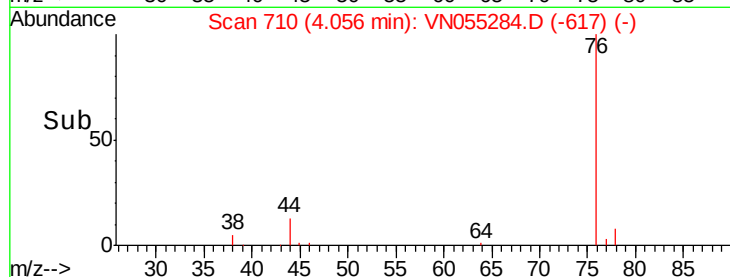
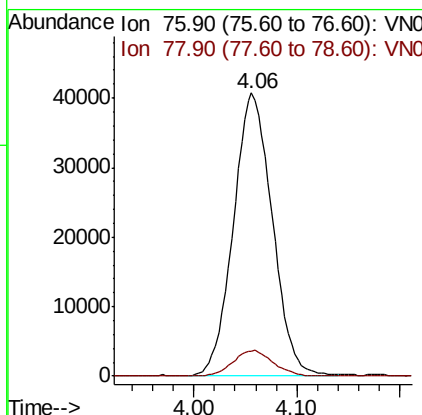
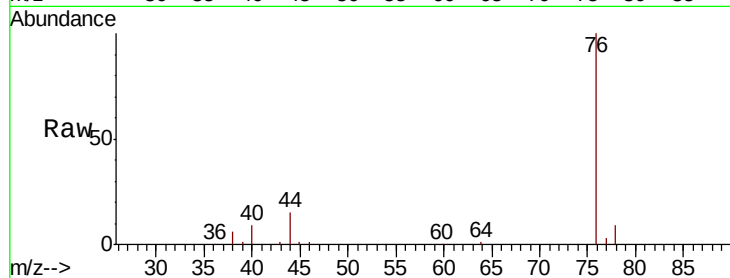




#17
Carbon Disulfide
Concen: 9.115 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

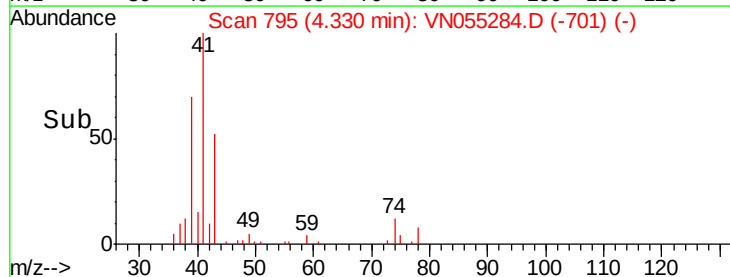
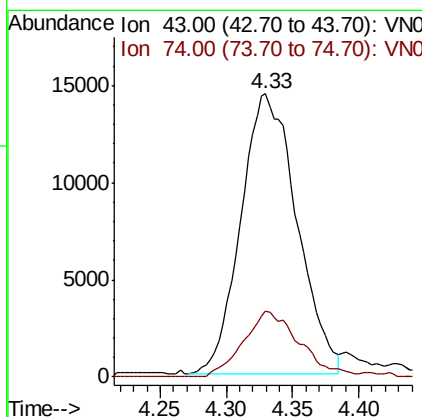
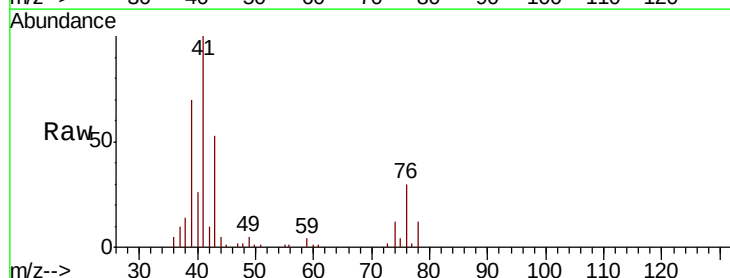
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

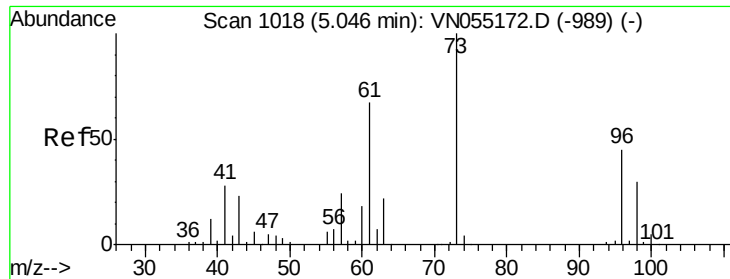
Tgt Ion: 76 Resp: 107056
Ion Ratio Lower Upper
76 100
78 8.9 7.6 11.4



#18
Methyl Acetate
Concen: 8.313 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 43 Resp: 42410
Ion Ratio Lower Upper
43 100
74 23.5 15.8 23.8

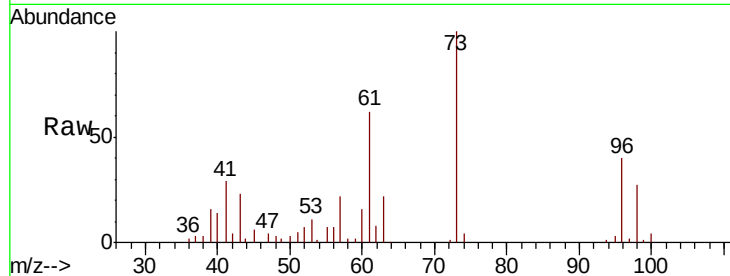




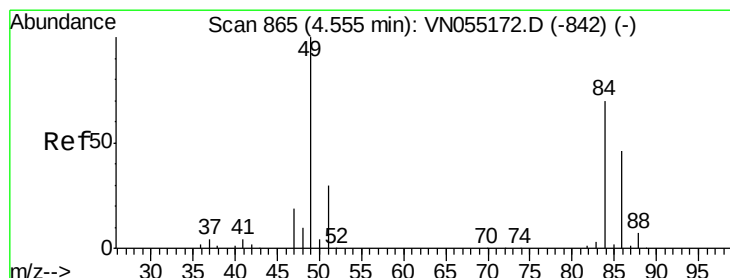
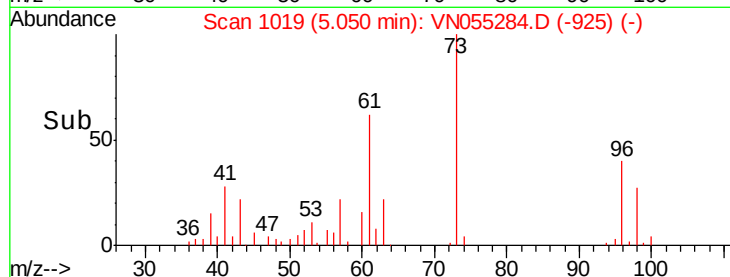
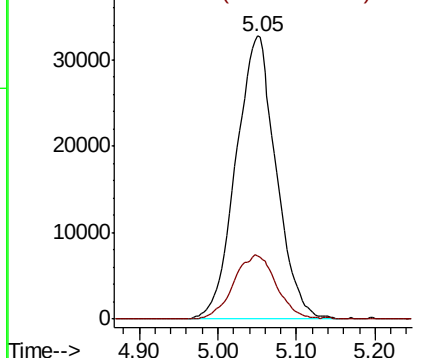
#19
Methyl tert-butyl Ether
Concen: 9.912 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 73 Resp: 117397
Ion Ratio Lower Upper
73 100
57 22.5 19.1 28.7

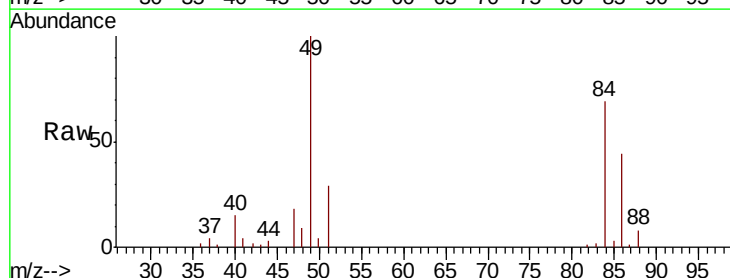


Abundance Ion 73.00 (72.70 to 73.70): VN055172.D (-989) (-)
Ion 57.00 (56.70 to 57.70): VN055172.D (-989) (-)

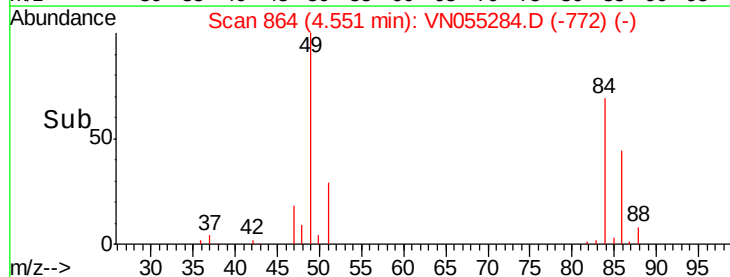
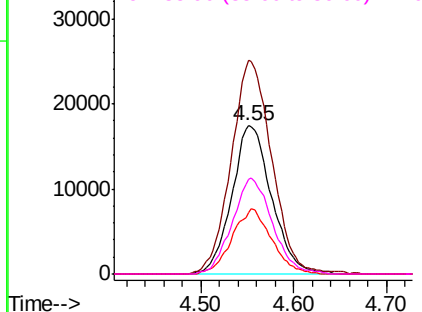


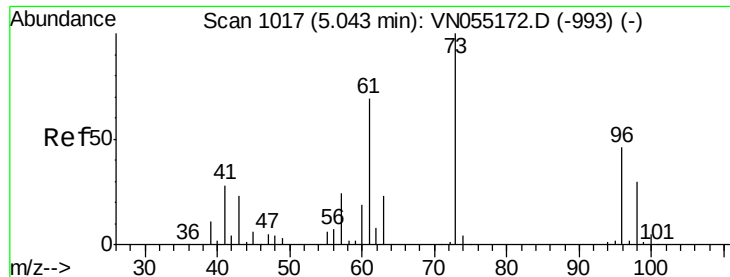
#20
Methylene Chloride
Concen: 9.747 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 84 Resp: 51947
Ion Ratio Lower Upper
84 100
49 144.2 112.4 168.6
51 41.9 34.6 51.8
86 64.0 51.9 77.9



Abundance Ion 83.90 (83.60 to 84.60): VN055172.D (-842) (-)
Ion 48.90 (48.60 to 49.60): VN055172.D (-842) (-)
Ion 50.90 (50.60 to 51.60): VN055172.D (-842) (-)
Ion 85.90 (85.60 to 86.60): VN055172.D (-842) (-)





#21

trans-1,2-Dichloroethene

Concen: 9.927 ug/l

RT: 5.05 min Scan# 1019

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

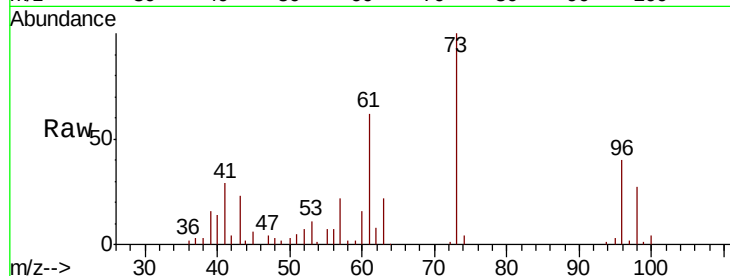
Tgt Ion: 96 Resp: 44156

Ion Ratio Lower Upper

96 100

61 153.3 126.2 189.4

98 67.3 52.2 78.2

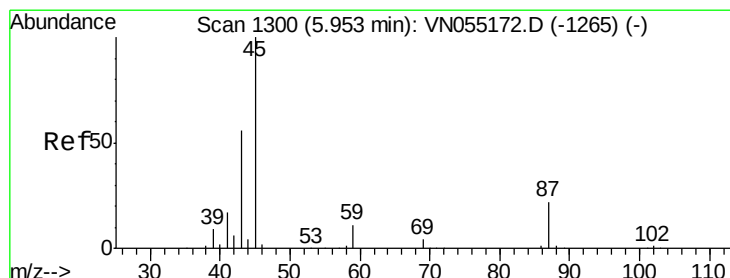
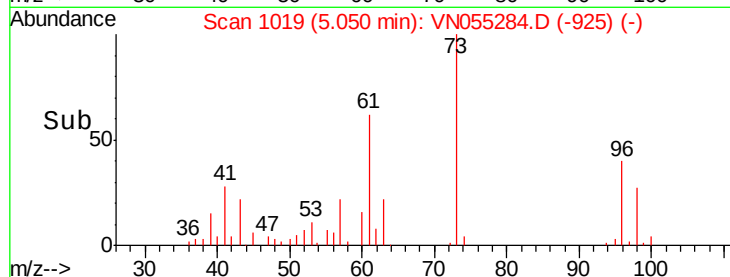
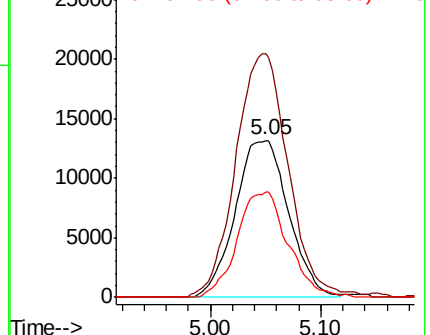


Abundance

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: 10.077 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Tgt Ion: 45 Resp: 170623

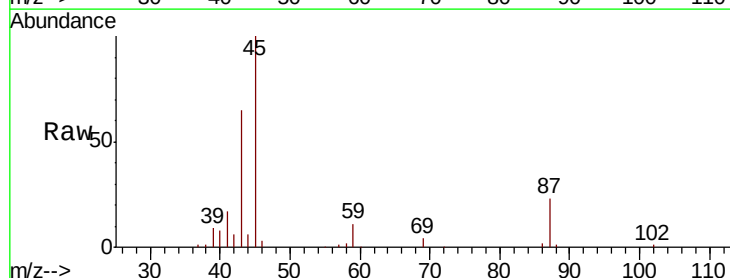
Ion Ratio Lower Upper

45 100

43 61.9 46.6 70.0

87 22.4 18.1 27.1

59 11.0 8.2 12.2



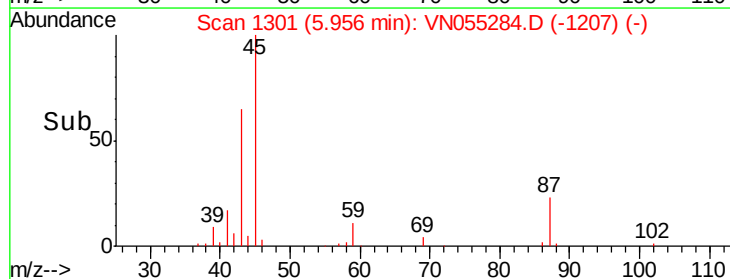
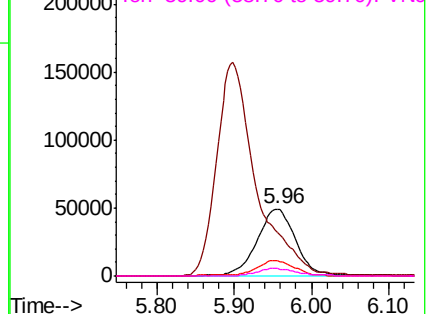
Abundance

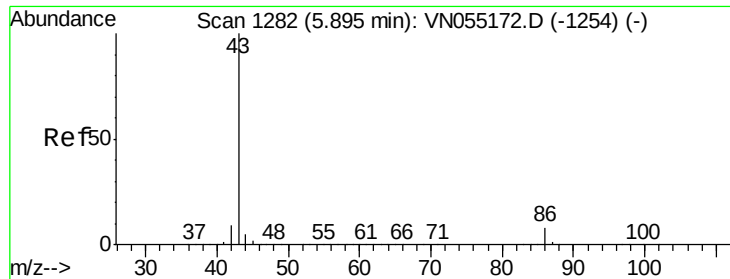
Ion 45.00 (44.70 to 45.70): VN0

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: 49.694 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

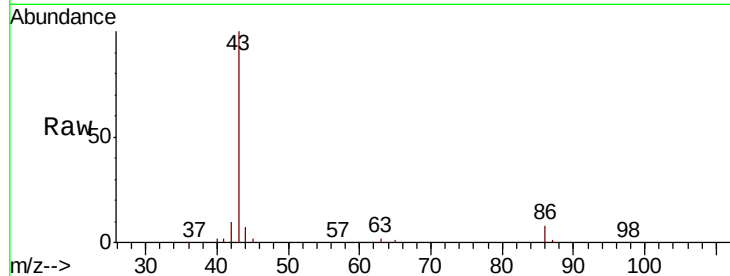
VSTDIC010

Tgt Ion: 43 Resp: 561589

Ion Ratio Lower Upper

43 100

86 7.9 6.6 10.0



Abundance Ion 43.00 (42.70 to 43.70): VN055172.D (-1254) (-)

Ion 86.00 (85.70 to 86.70): VN055172.D (-1254) (-)

5.90

150000

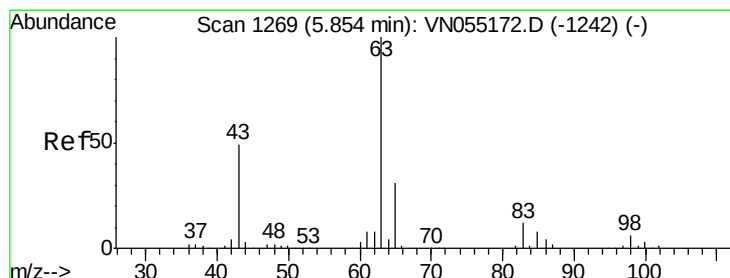
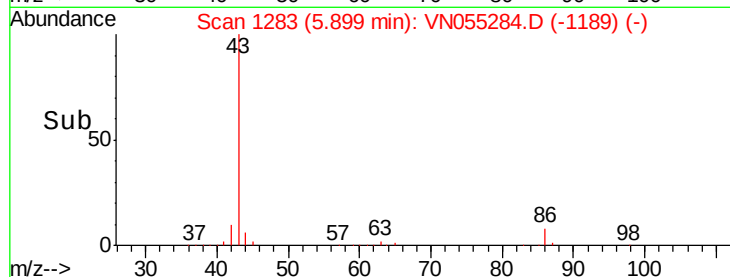
100000

50000

0

5.80 5.90 6.00 6.10

Time-->



#24

1,1-Dichloroethane

Concen: 10.218 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

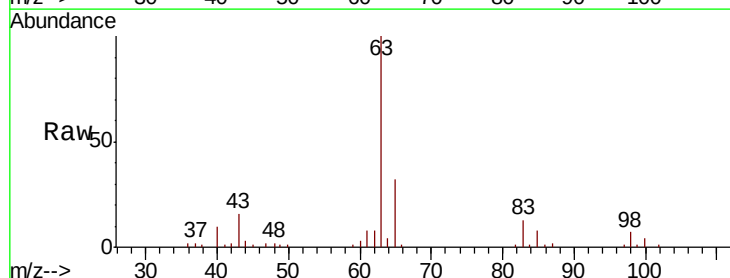
Tgt Ion: 63 Resp: 92486

Ion Ratio Lower Upper

63 100

98 6.8 3.0 9.0

100 3.6 1.8 5.4



Abundance Ion 62.90 (62.60 to 63.60): VN055172.D (-1242) (-)

Ion 97.90 (97.60 to 98.60): VN055172.D (-1242) (-)

Ion 99.90 (99.60 to 100.60): VN055172.D (-1242) (-)

5.85

40000

30000

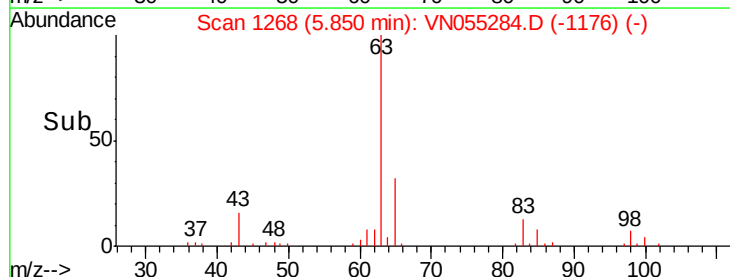
20000

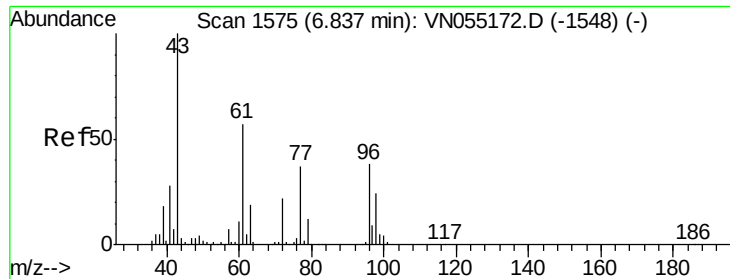
10000

0

5.70 5.80 5.90 6.00

Time-->





#25

2-Butanone

Concen: 45.093 ug/l

RT: 6.84 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

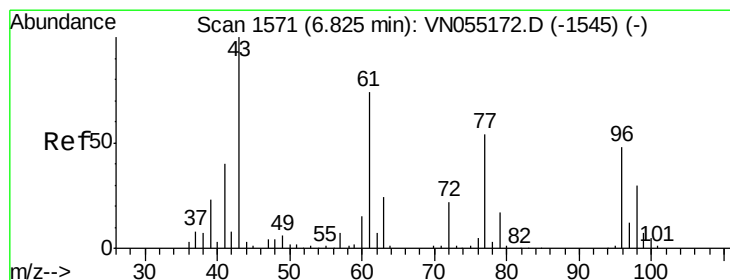
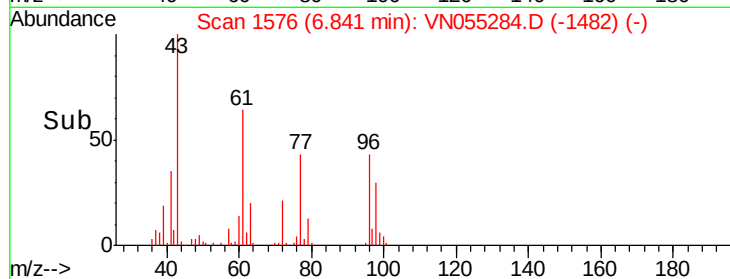
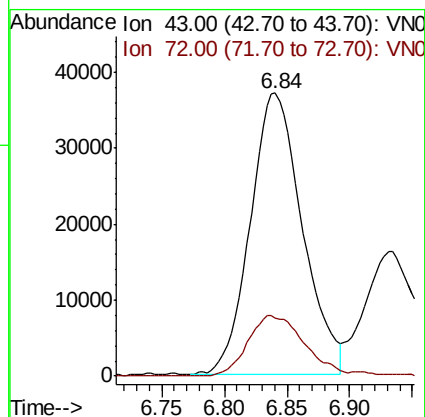
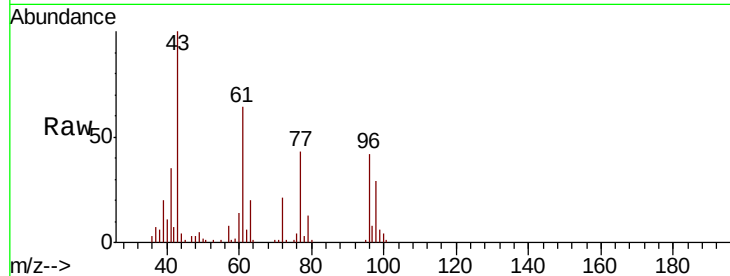
VSTDIC010

Tgt Ion: 43 Resp: 106656

Ion Ratio Lower Upper

43 100

72 20.7 18.0 27.0



#26

2,2-Dichloropropane

Concen: 10.282 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. 0.00 min

Lab File: VN055284.D

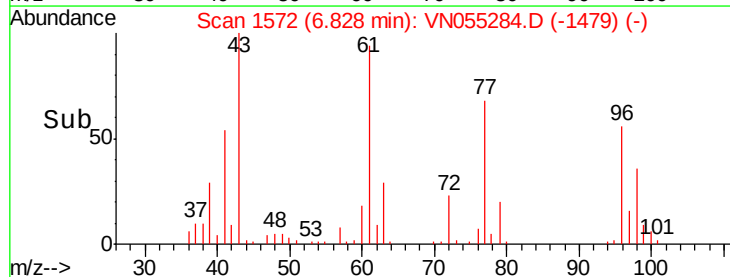
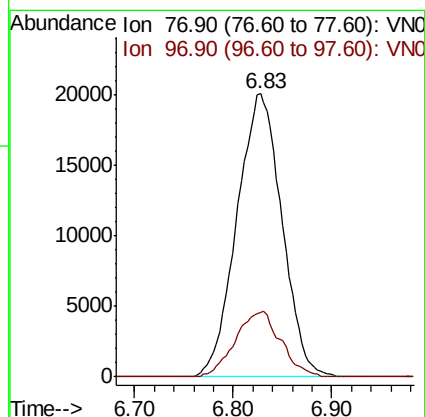
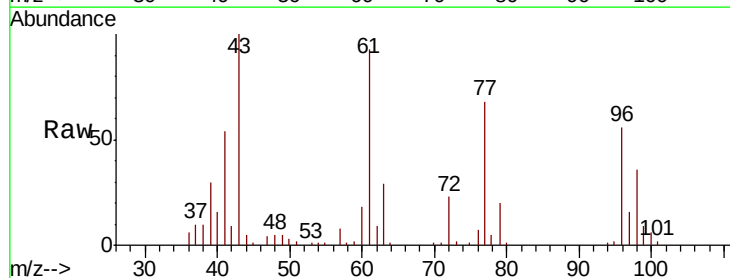
Acq: 29 Apr 2019 10:42

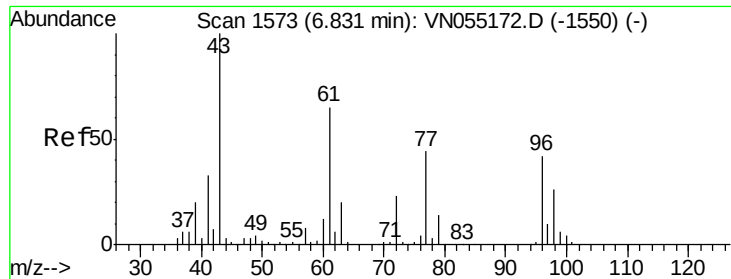
Tgt Ion: 77 Resp: 63328

Ion Ratio Lower Upper

77 100

97 23.3 11.4 34.2





#27

cis-1,2-Dichloroethene

Concen: 9.953 ug/l

RT: 6.83 min Scan# 1574

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

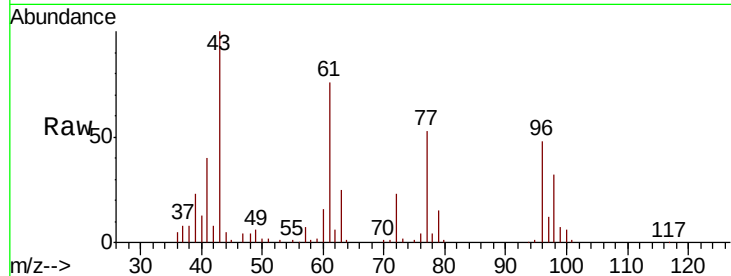
Tgt Ion: 96 Resp: 51264

Ion Ratio Lower Upper

96 100

61 160.3 0.0 316.2

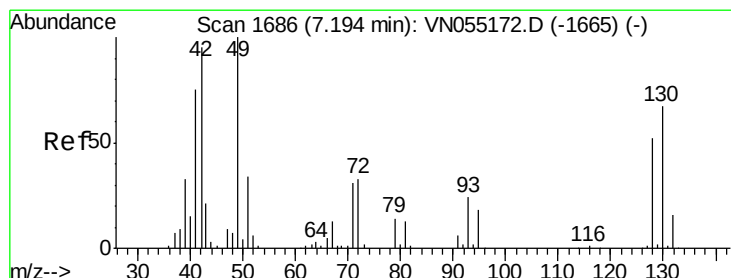
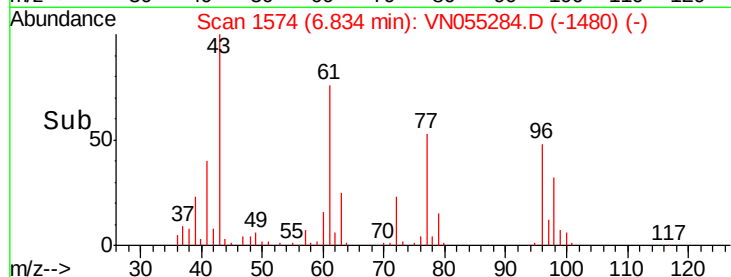
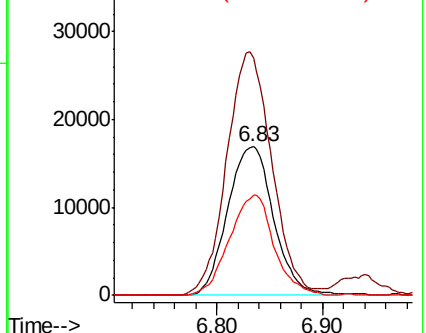
98 65.2 0.0 126.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 10.105 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

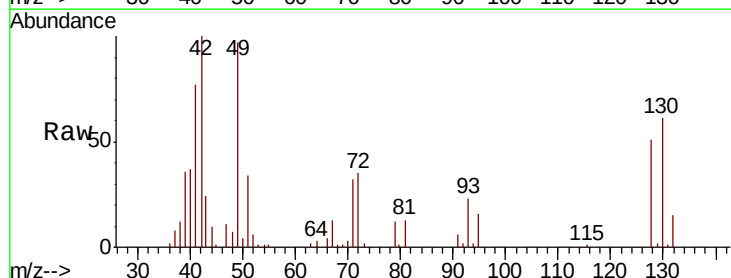
Tgt Ion: 49 Resp: 46658

Ion Ratio Lower Upper

49 100

129 0.7 0.0 2.4

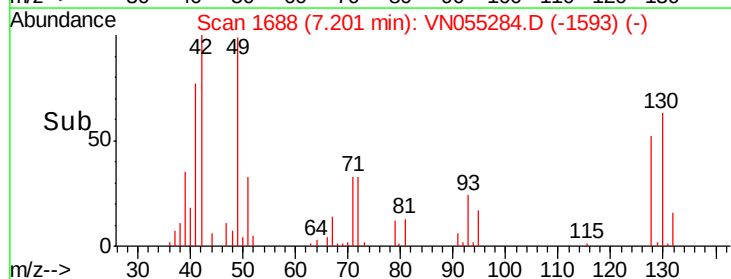
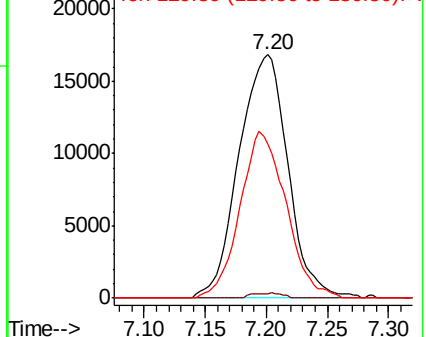
130 64.5 52.0 78.0

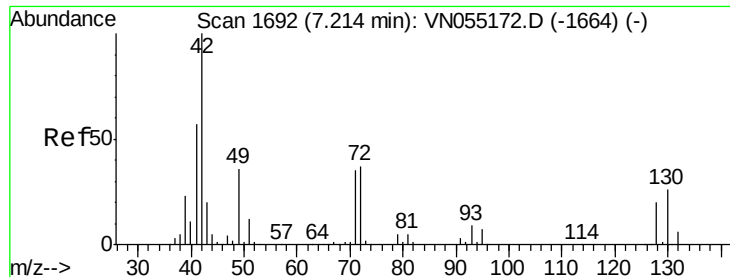


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 49.094 ug/l

RT: 7.21 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

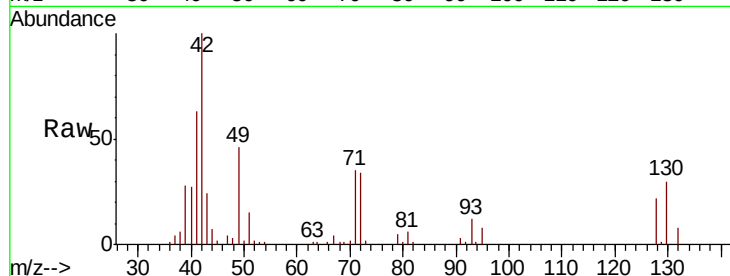
Tgt Ion: 42 Resp: 72236

Ion Ratio Lower Upper

42 100

72 34.6 29.0 43.6

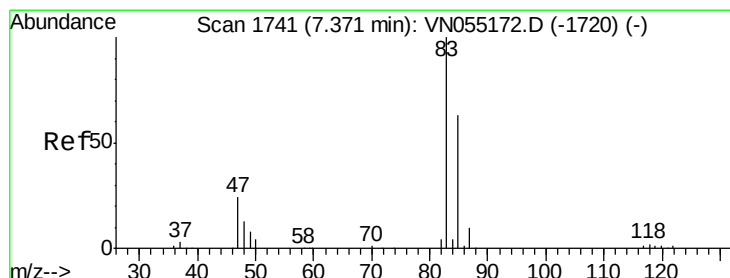
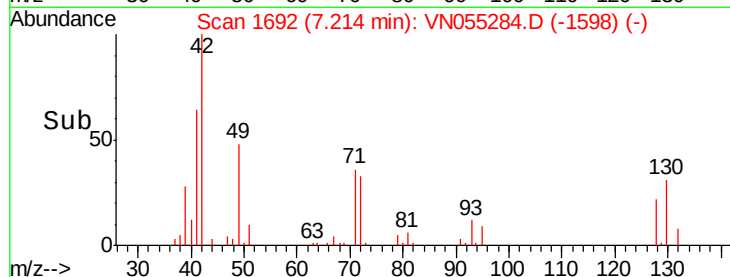
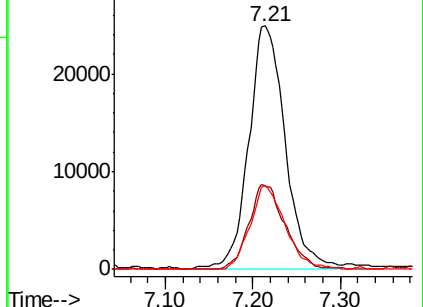
71 32.9 27.1 40.7



Abundance Ion 42.00 (41.70 to 42.70): VN055172.D (-1664) (-)

Ion 72.00 (71.70 to 72.70): VN055172.D (-1664) (-)

Ion 71.00 (70.70 to 71.70): VN055172.D (-1664) (-)



#30

Chloroform

Concen: 9.952 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055284.D

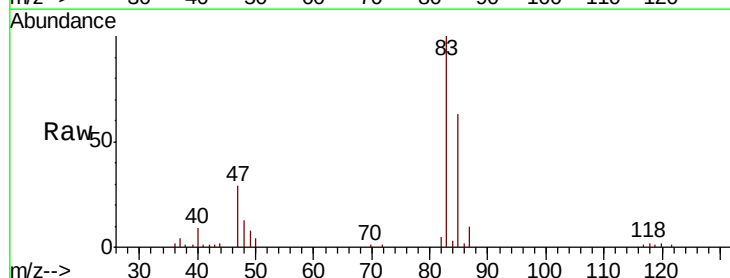
Acq: 29 Apr 2019 10:42

Tgt Ion: 83 Resp: 85787

Ion Ratio Lower Upper

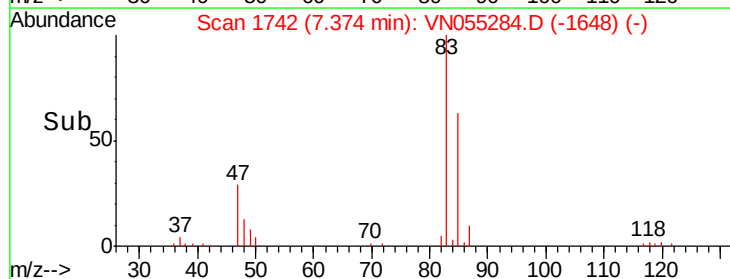
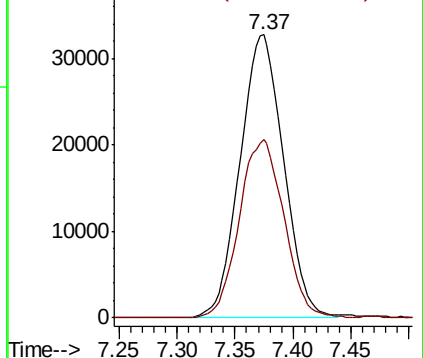
83 100

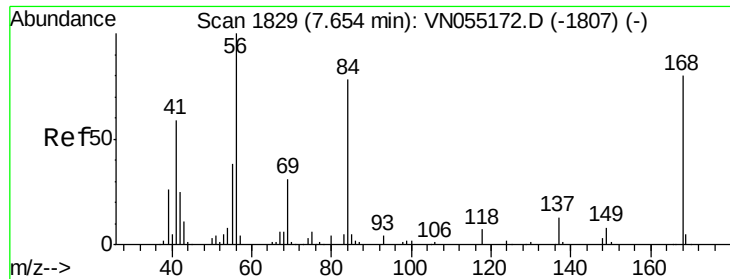
85 63.2 51.4 77.2



Abundance Ion 82.90 (82.60 to 83.60): VN055172.D (-1720) (-)

Ion 84.90 (84.60 to 85.60): VN055172.D (-1720) (-)

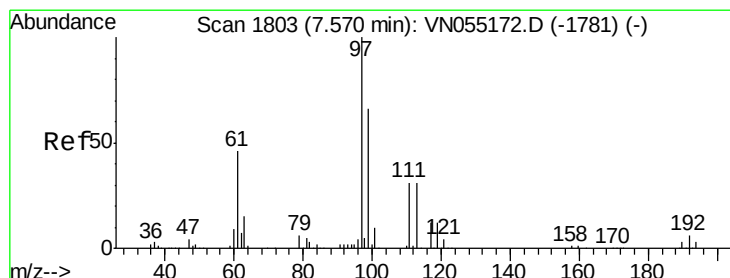
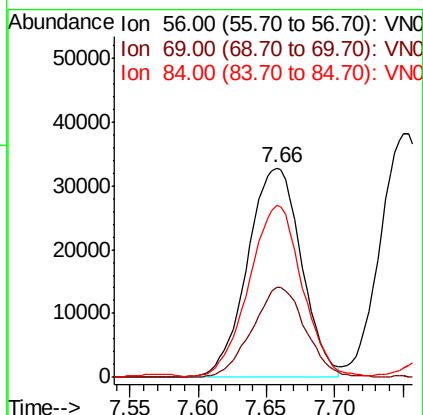
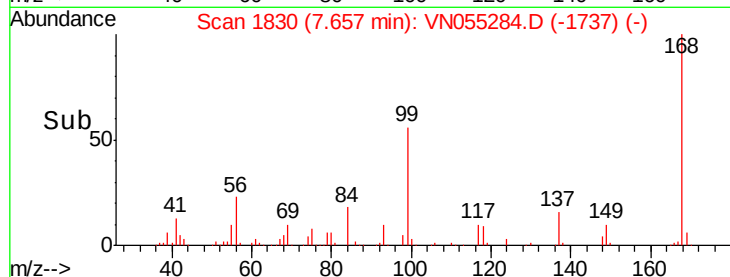
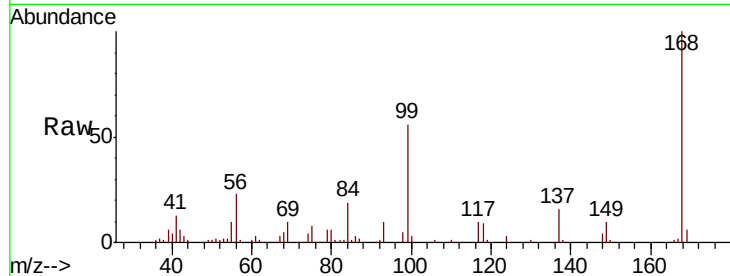




#31
Cyclohexane
Concen: 8.673 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

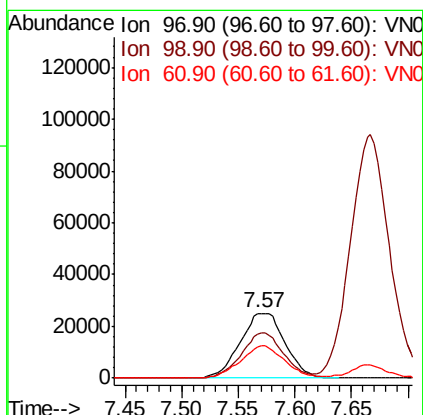
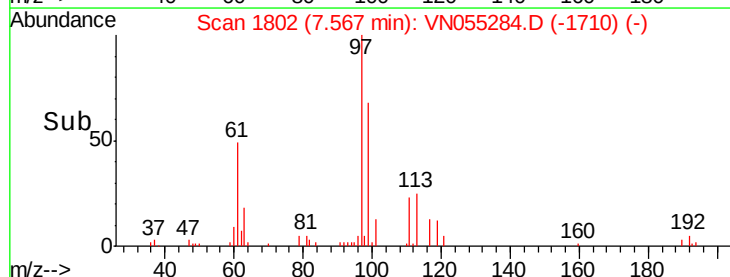
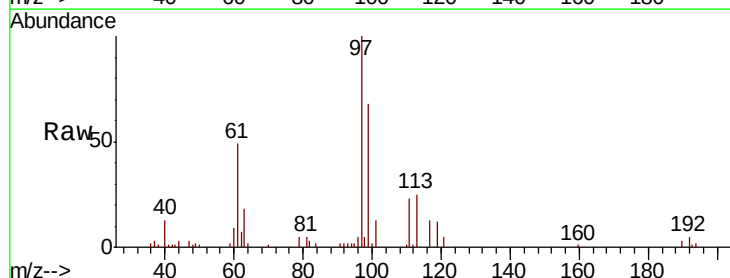
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

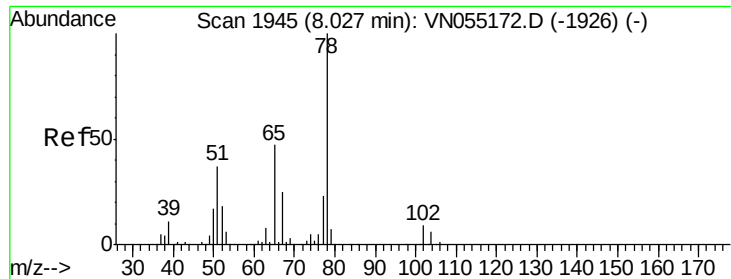
Tgt Ion: 56 Resp: 89865
Ion Ratio Lower Upper
56 100
69 43.0 25.2 37.8#
84 81.3 61.1 91.7



#32
1,1,1-Trichloroethane
Concen: 10.017 ug/l
RT: 7.57 min Scan# 1802
Delta R.T. -0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 97 Resp: 69242
Ion Ratio Lower Upper
97 100
99 65.2 51.8 77.8
61 49.3 39.0 58.6

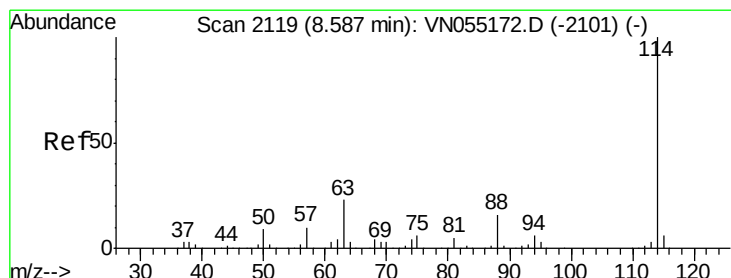
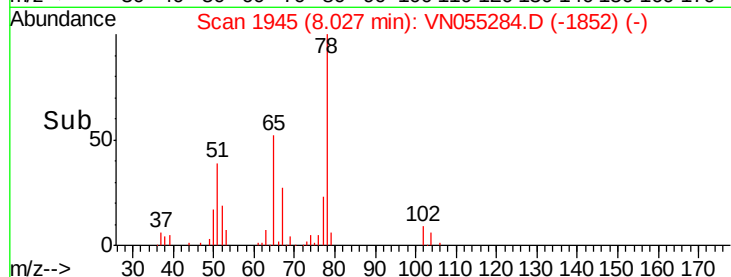
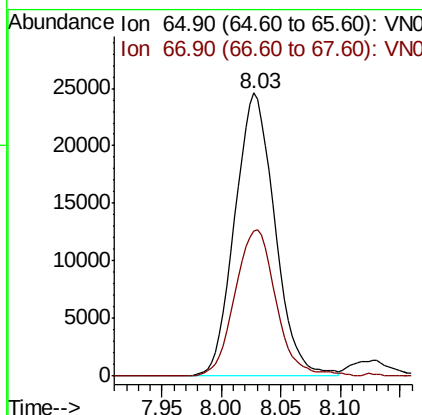
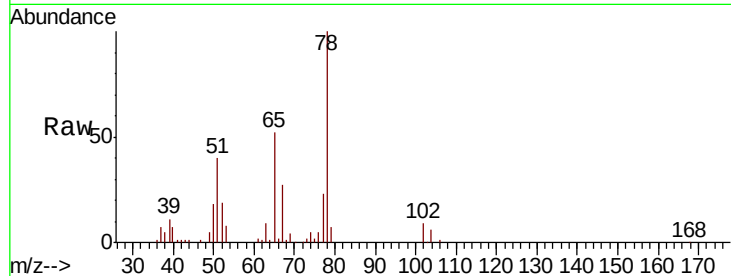




#33
 1,2-Dichloroethane-d4
 Concen: 10.208 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

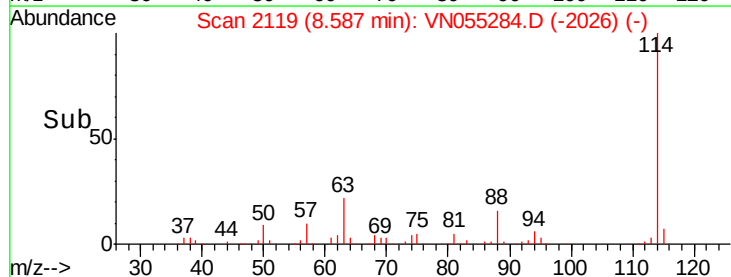
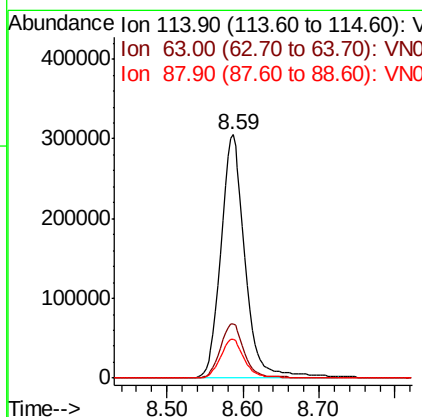
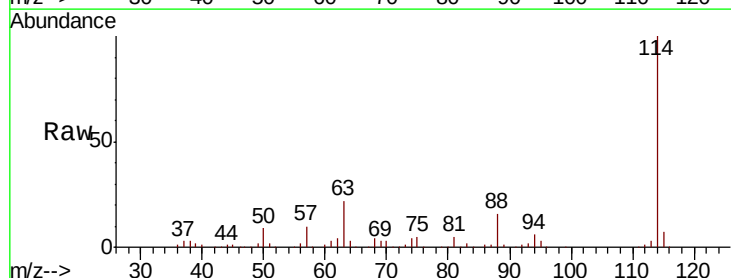
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC010

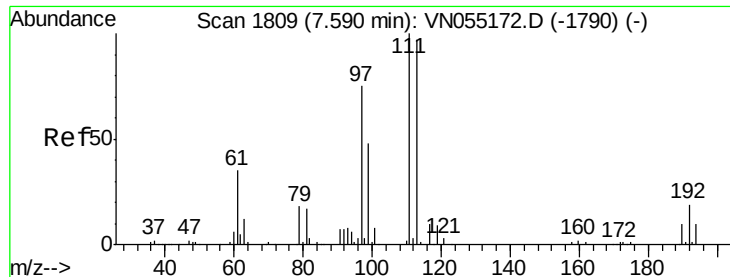
Tgt Ion: 65 Resp: 57382
 Ion Ratio Lower Upper
 65 100
 67 53.2 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 114 Resp: 673757
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 45.2
 88 16.1 0.0 31.6

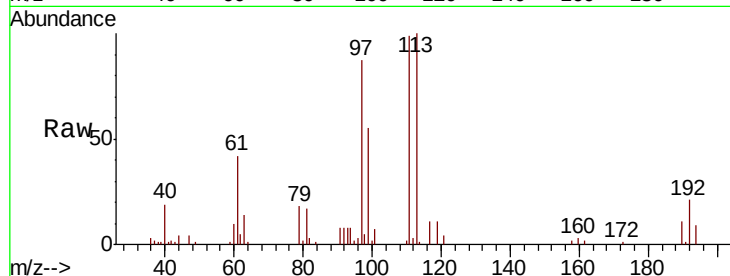




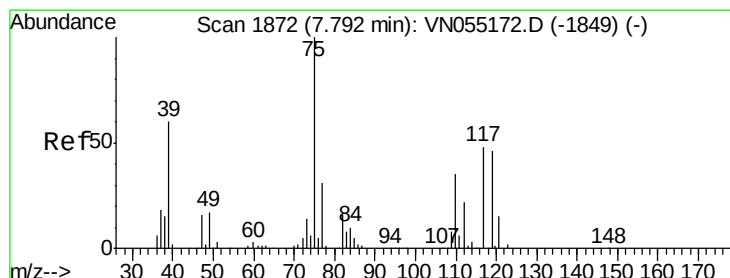
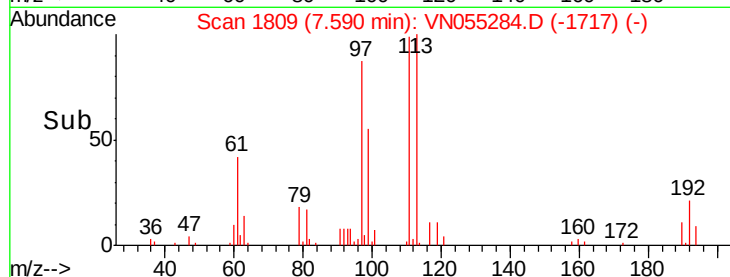
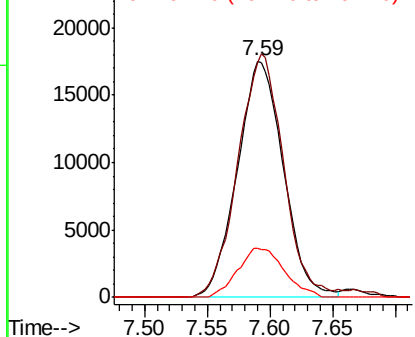
#35
 Dibromofluoromethane
 Concen: 9.879 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tgt Ion: 113 Resp: 44722
 Ion Ratio Lower Upper
 113 100
 111 101.8 82.3 123.5
 192 21.0 17.0 25.6

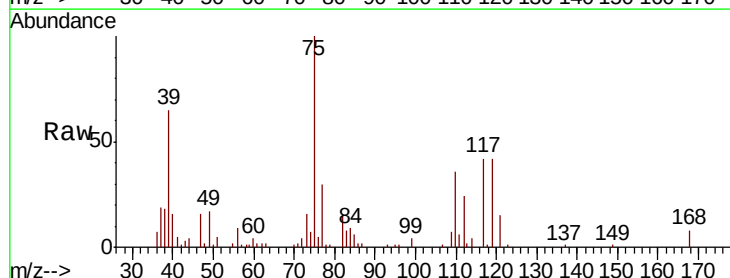


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

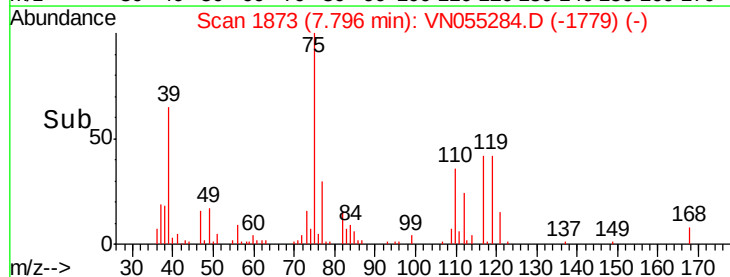
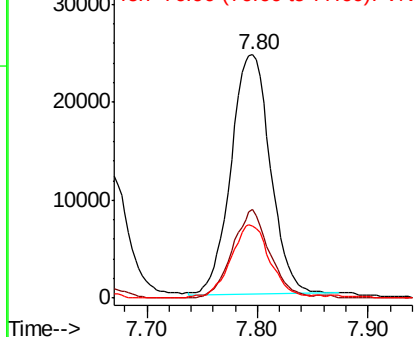


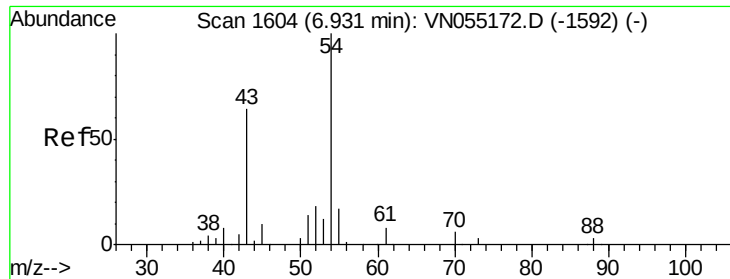
#36
 1,1-Dichloropropene
 Concen: 9.851 ug/l
 RT: 7.80 min Scan# 1873
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 75 Resp: 60787
 Ion Ratio Lower Upper
 75 100
 110 34.7 16.8 50.4
 77 30.6 25.0 37.6



Abundance Ion 74.90 (74.60 to 75.60): V
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): V

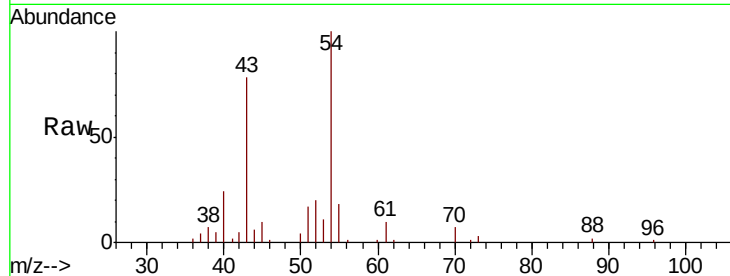




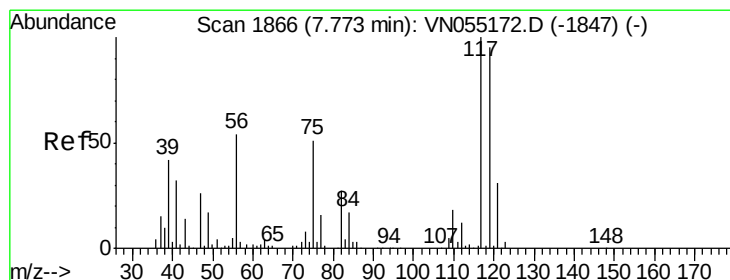
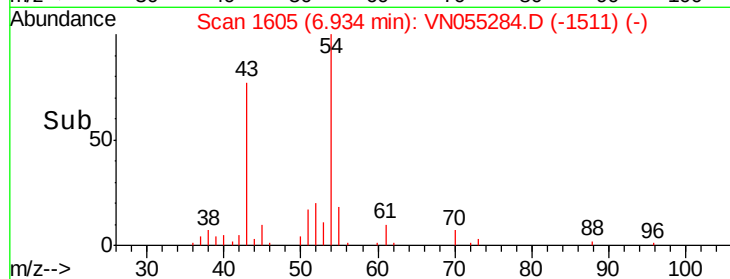
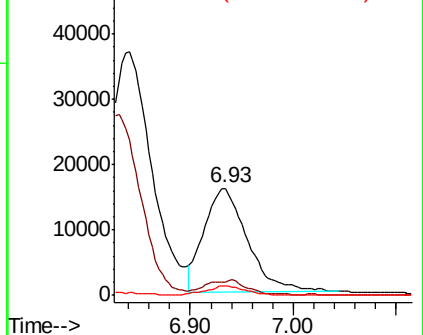
#37
Ethyl Acetate
 Concen: 9.344 ug/l
 RT: 6.93 min Scan# 1605
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleID :
 VSTDIC010

Tgt Ion: 43 Resp: 46560
 Ion Ratio Lower Upper
 43 100
 61 11.5 10.4 15.6
 70 8.3 6.6 10.0

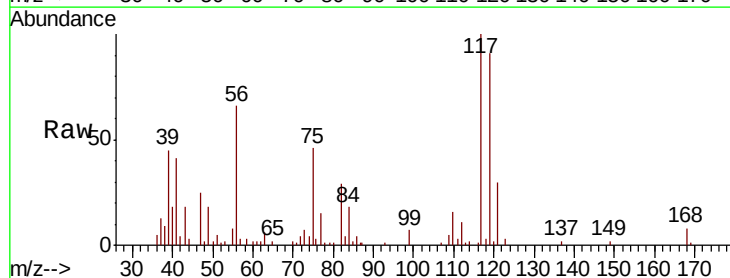


Abundance Ion 43.00 (42.70 to 43.70): VN0
 Ion 60.90 (60.60 to 61.60): VN0
 Ion 70.00 (69.70 to 70.70): VN0

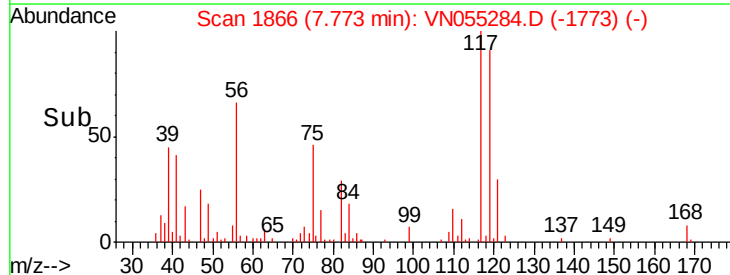
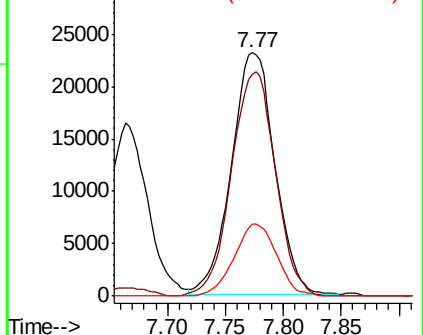


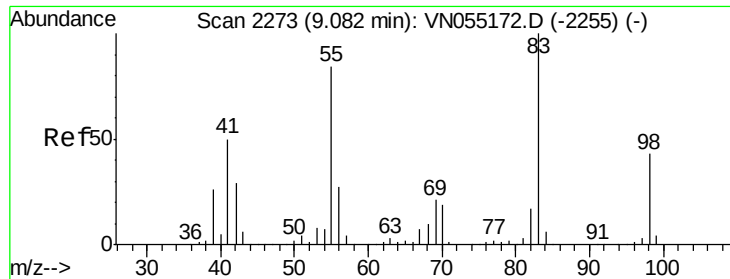
#38
Carbon Tetrachloride
 Concen: 10.322 ug/l
 RT: 7.77 min Scan# 1866
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 117 Resp: 60085
 Ion Ratio Lower Upper
 117 100
 119 92.1 77.0 115.6
 121 29.9 23.8 35.8



Abundance Ion 116.80 (116.50 to 117.50): V
 Ion 118.80 (118.50 to 119.50): V
 Ion 120.80 (120.50 to 121.50): V

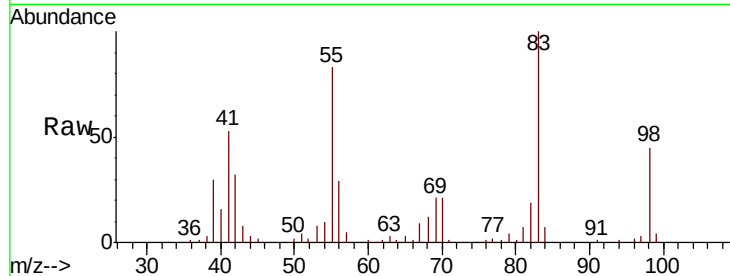




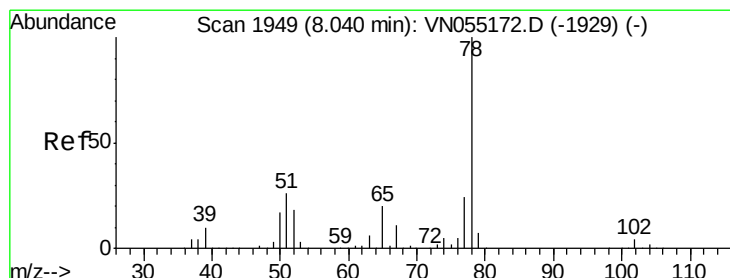
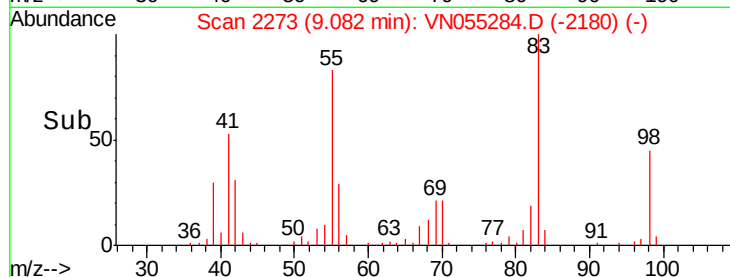
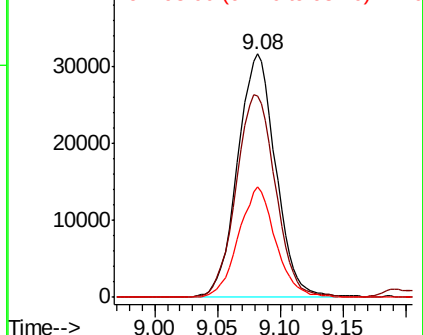
#39
Methylcyclohexane
Concen: 9.121 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion: 83 Resp: 67033
Ion Ratio Lower Upper
83 100
55 82.9 67.8 101.6
98 45.4 36.2 54.4

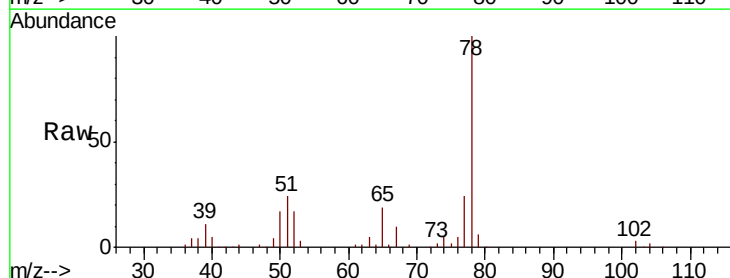


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

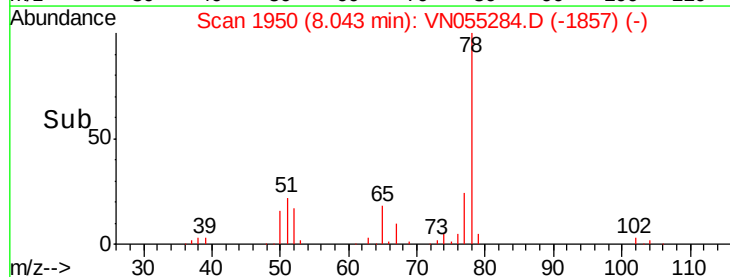
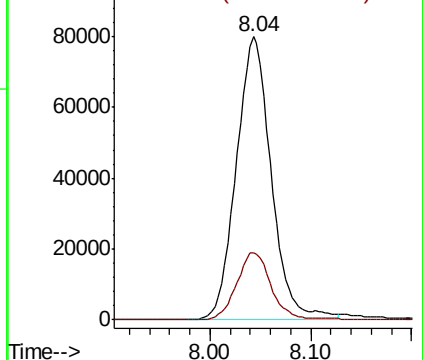


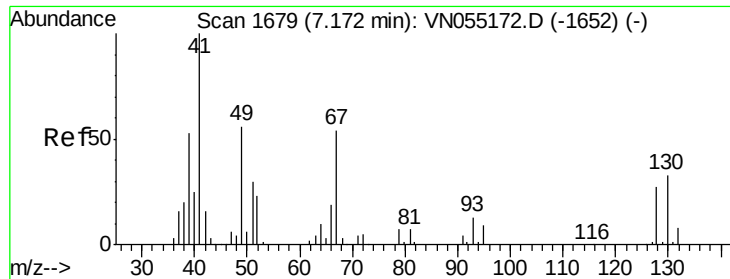
#40
Benzene
Concen: 10.028 ug/l
RT: 8.04 min Scan# 1950
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 78 Resp: 192145
Ion Ratio Lower Upper
78 100
77 23.9 19.0 28.6



Abundance Ion 78.00 (77.70 to 78.70): VN0
Ion 77.00 (76.70 to 77.70): VN0

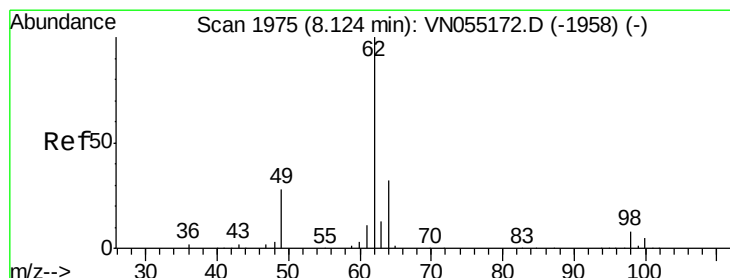
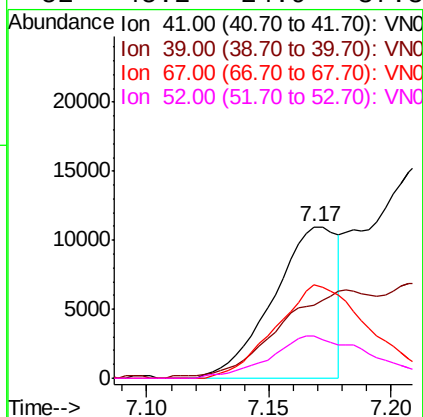
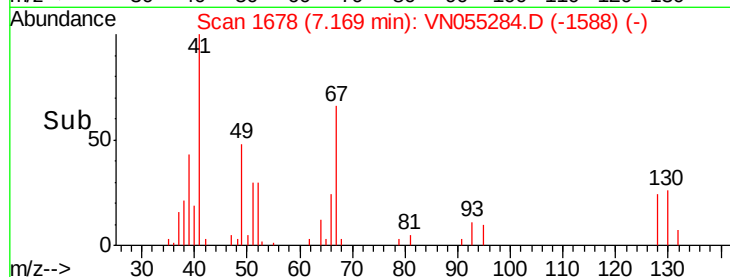
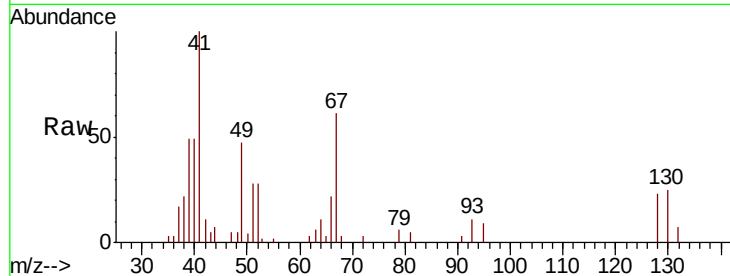




#41
Methacrylonitrile
Concen: 7.640 ug/l
RT: 7.17 min Scan# 1678
Delta R.T. -0.01 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

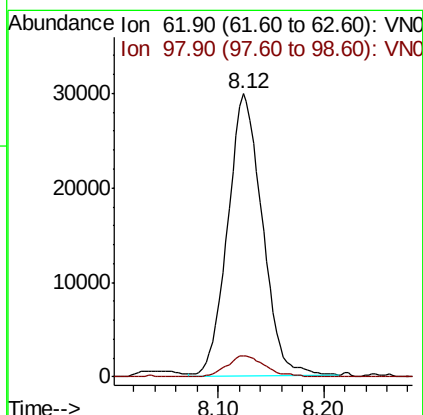
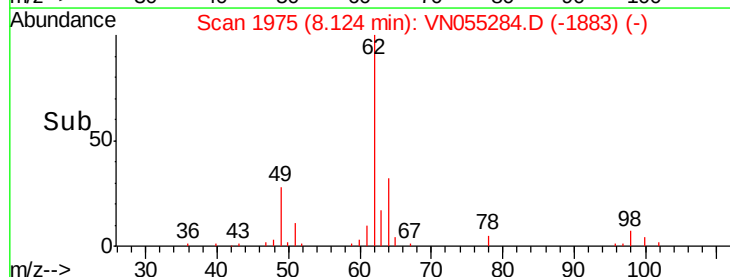
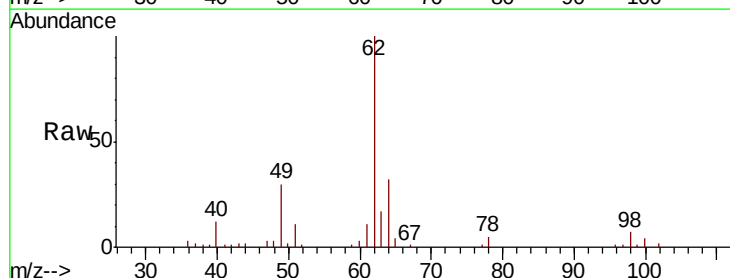
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

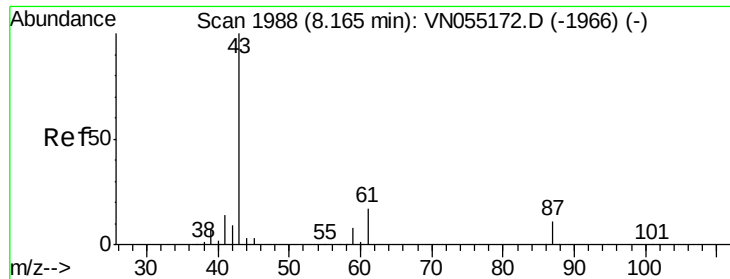
Tgt Ion:	41	Resp:	20012
Ion	Ratio	Lower	Upper
41	100		
39	85.3	48.5	72.7#
67	92.0	54.9	82.3#
52	45.2	24.9	37.3#



#42
1,2-Dichloroethane
Concen: 10.119 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion:	62	Resp:	67669
Ion	Ratio	Lower	Upper
62	100		
98	8.3	0.0	16.4





#43

Isopropyl Acetate

Concen: 9.396 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

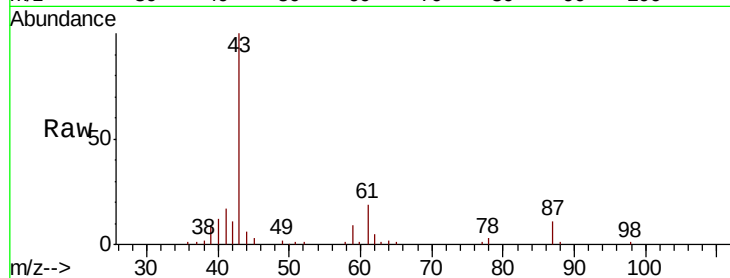
Tgt Ion: 43 Resp: 76207

Ion Ratio Lower Upper

43 100

61 27.9 20.8 31.2

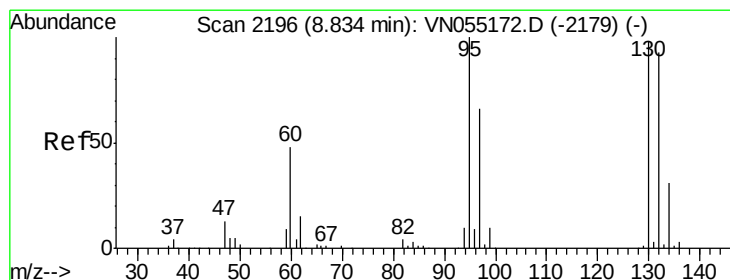
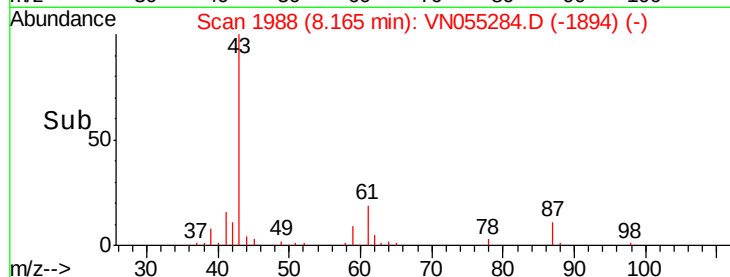
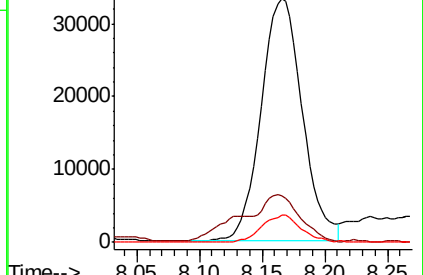
87 10.8 8.5 12.7



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) (-)



#44

Trichloroethene

Concen: 9.971 ug/l

RT: 8.84 min Scan# 2197

Delta R.T. 0.00 min

Lab File: VN055284.D

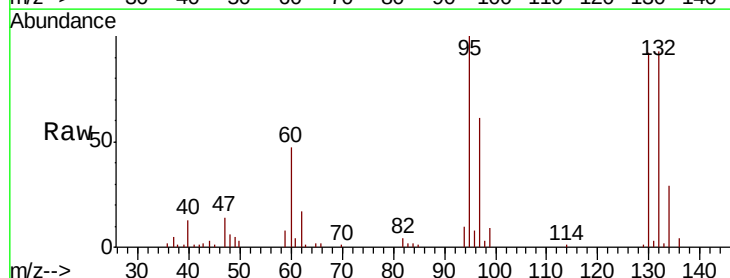
Acq: 29 Apr 2019 10:42

Tgt Ion: 130 Resp: 48180

Ion Ratio Lower Upper

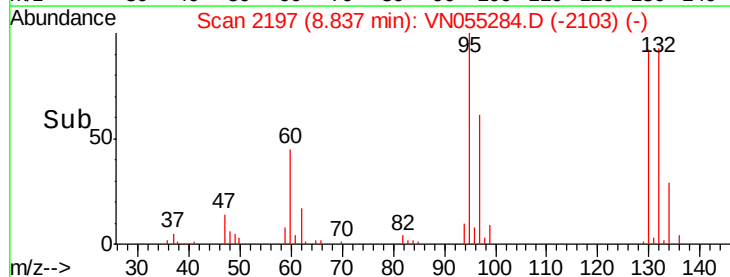
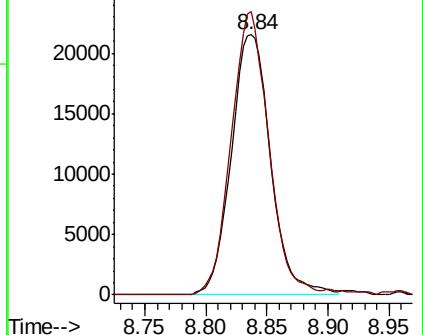
130 100

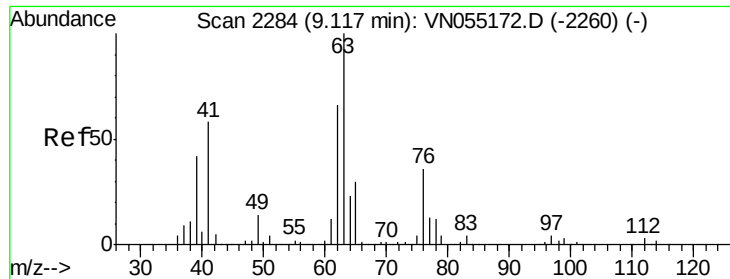
95 108.8 0.0 203.4



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

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

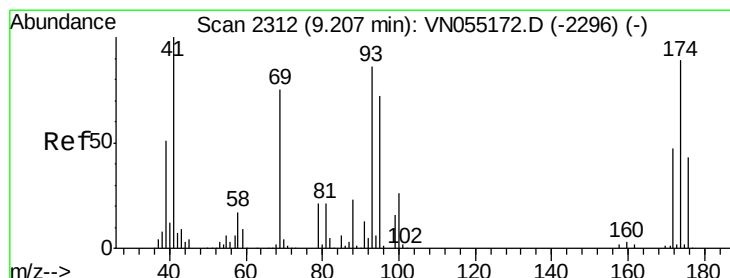
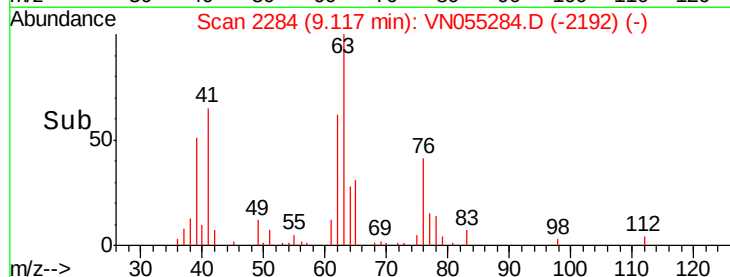
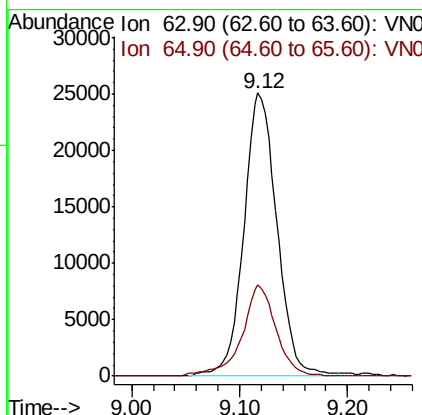
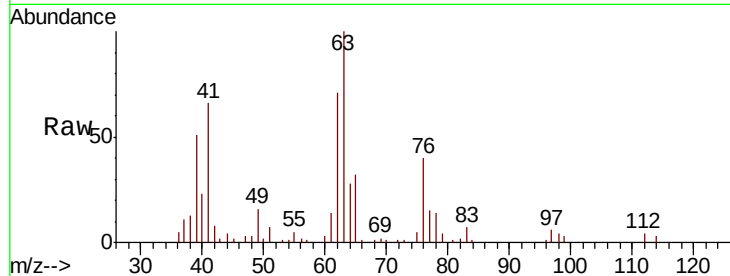




#45
 1,2-Dichloropropane
 Concen: 9.871 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. -0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

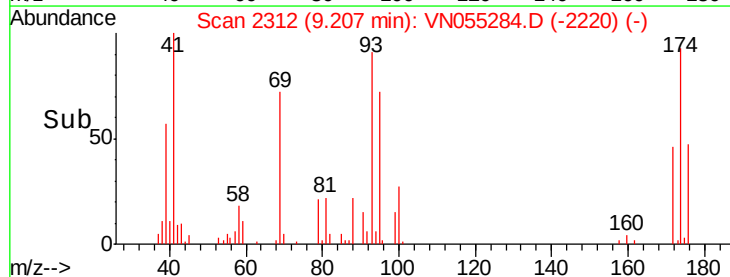
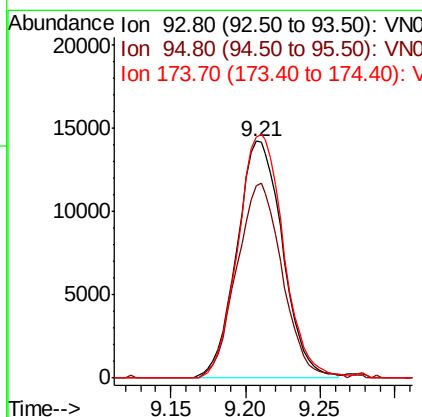
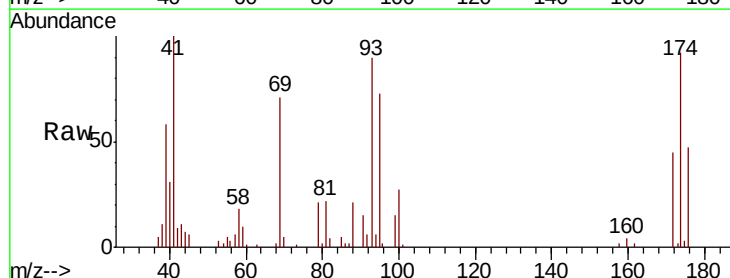
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

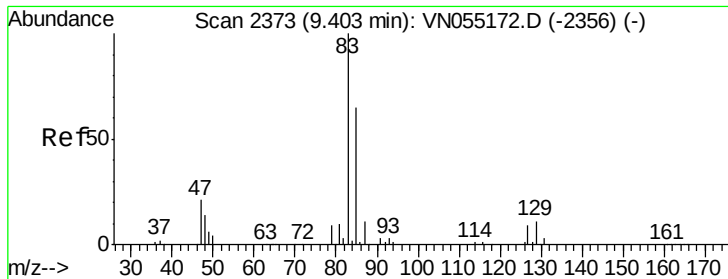
Tgt Ion: 63 Resp: 53534
 Ion Ratio Lower Upper
 63 100
 65 32.1 23.9 35.9



#46
 Dibromomethane
 Concen: 9.818 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. -0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 93 Resp: 30319
 Ion Ratio Lower Upper
 93 100
 95 81.6 65.7 98.5
 174 102.7 81.5 122.3





#47

Bromodichloromethane

Concen: 10.188 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

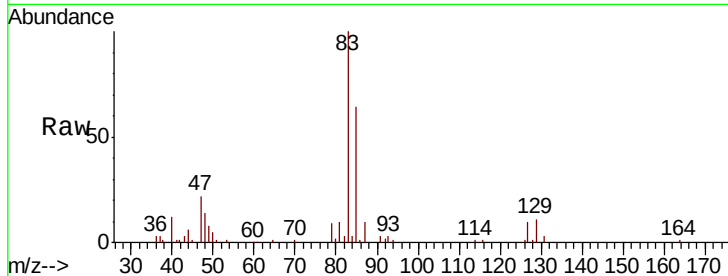
Tgt Ion: 83 Resp: 63269

Ion Ratio Lower Upper

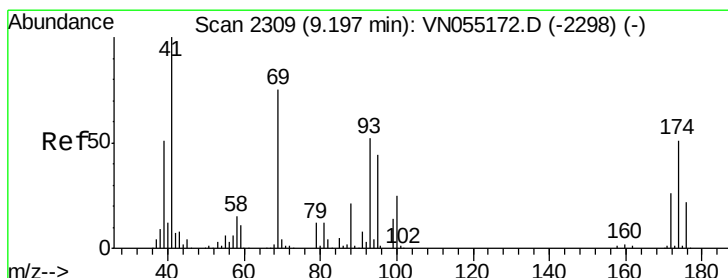
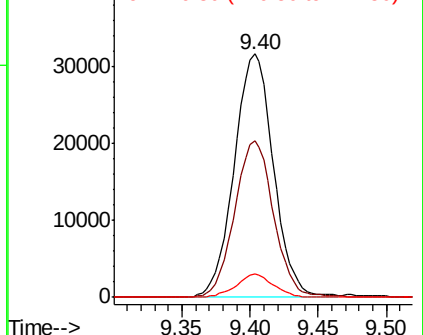
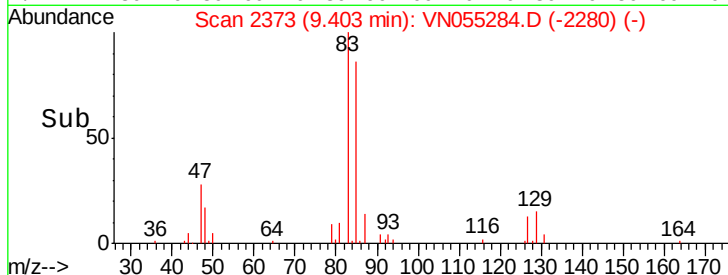
83 100

85 64.2 50.1 75.1

127 9.9 6.7 10.1



Abundance Ion 82.90 (82.60 to 83.60): VN055284.D (-2280) (-)



#48

Methyl methacrylate

Concen: 8.652 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

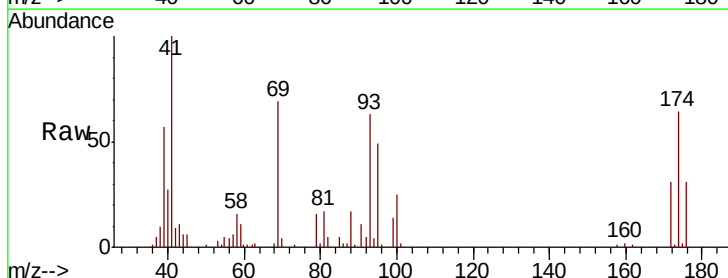
Tgt Ion: 41 Resp: 34229

Ion Ratio Lower Upper

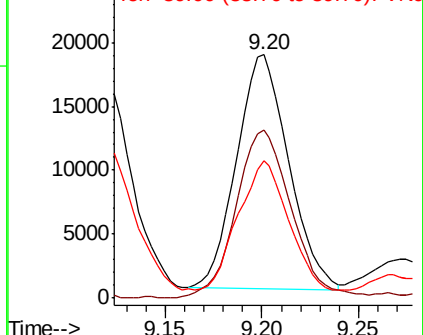
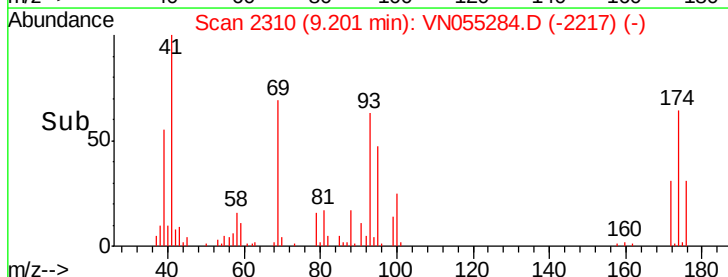
41 100

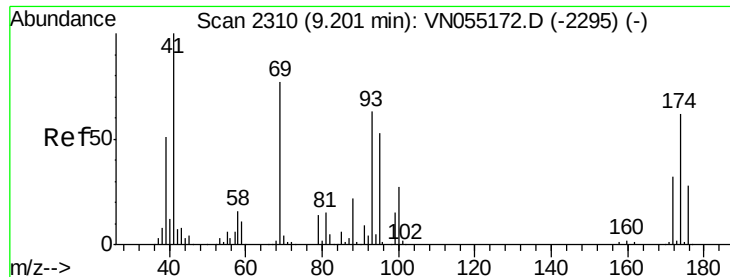
69 76.5 58.6 87.8

39 55.1 43.8 65.6



Abundance Ion 41.00 (40.70 to 41.70): VN055284.D (-2217) (-)

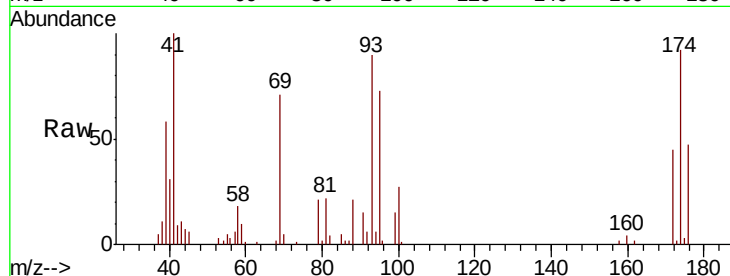




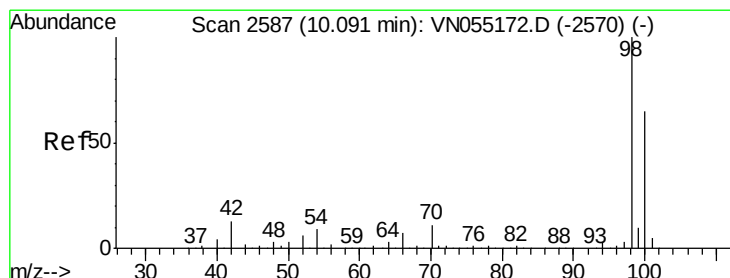
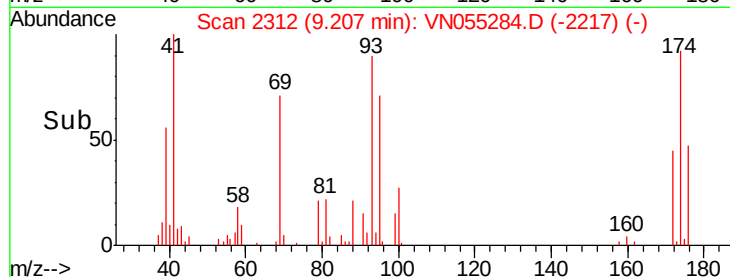
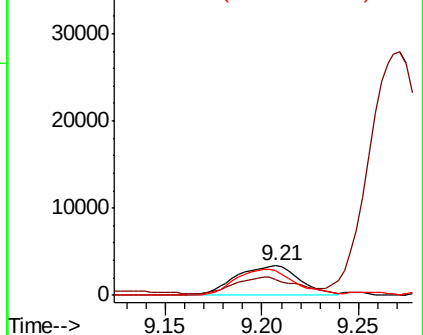
#49
 1,4-Dioxane
 Concen: 173.012 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.01 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

Tgt Ion: 88 Resp: 7721
 Ion Ratio Lower Upper
 88 100
 43 50.7 33.3 49.9#
 58 83.2 62.7 94.1

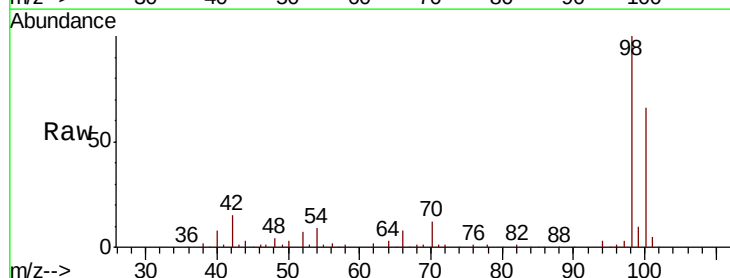


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

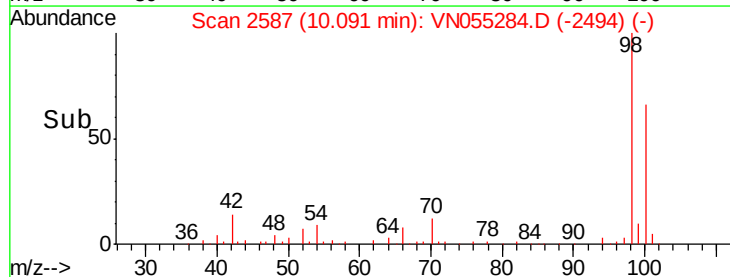
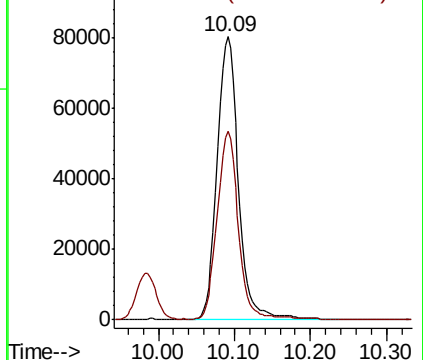


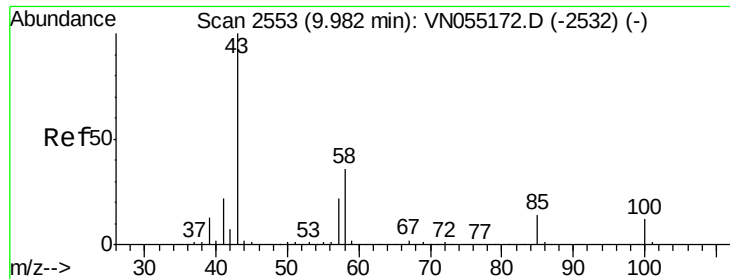
#50
 Toluene-d8
 Concen: 9.369 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 98 Resp: 157128
 Ion Ratio Lower Upper
 98 100
 100 65.2 51.7 77.5



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





#51

4-Methyl-2-Pentanone

Concen: 47.283 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

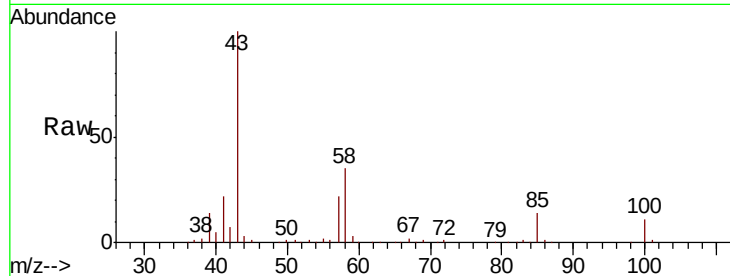
VSTDIC010

Tgt Ion: 43 Resp: 220614

Ion Ratio Lower Upper

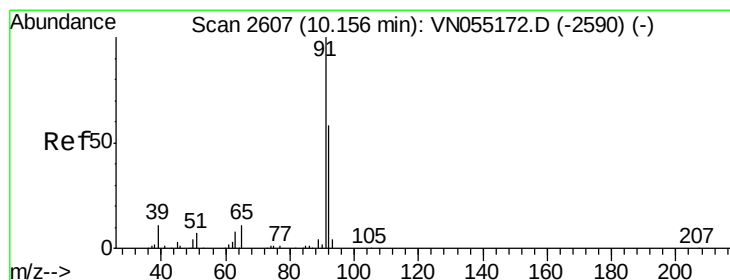
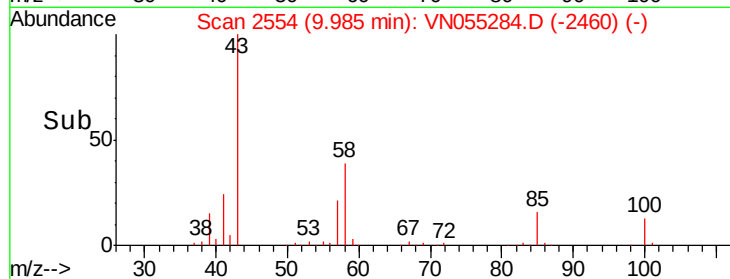
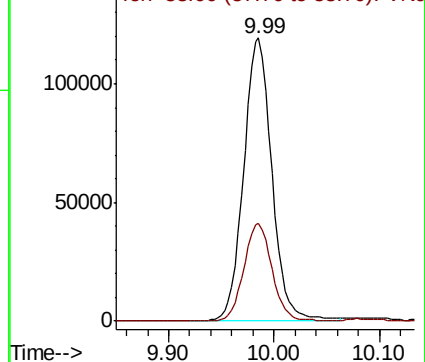
43 100

58 34.7 28.5 42.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 9.924 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055284.D

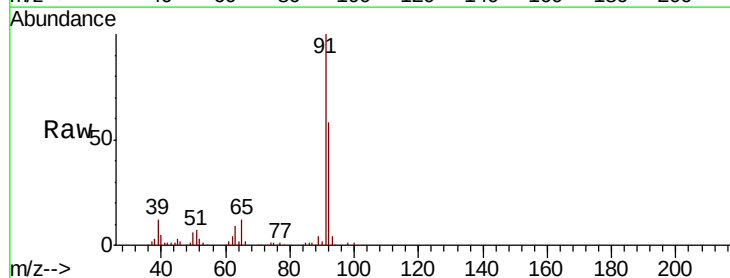
Acq: 29 Apr 2019 10:42

Tgt Ion: 92 Resp: 110922

Ion Ratio Lower Upper

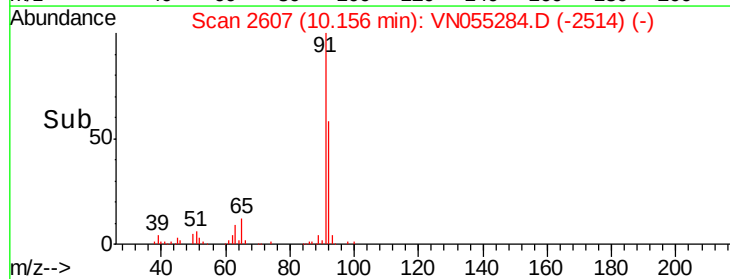
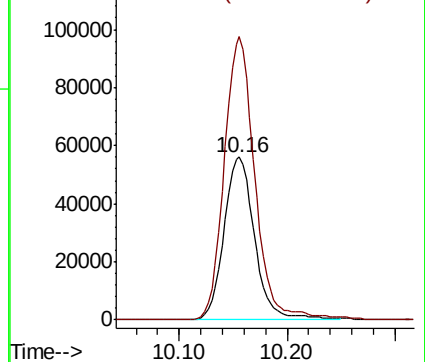
92 100

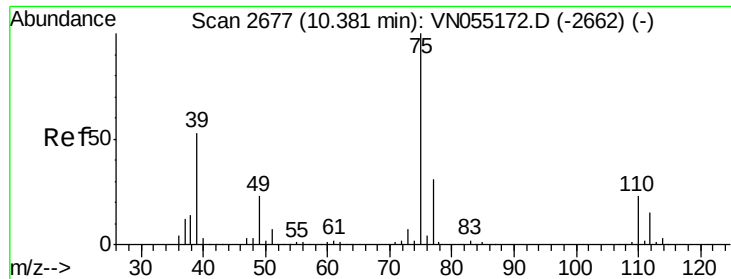
91 173.3 140.1 210.1



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 9.266 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

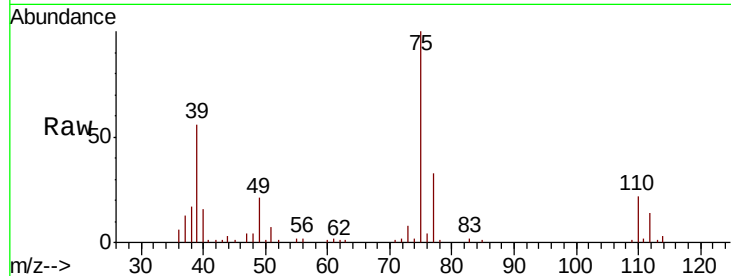
VSTDIC010

Tgt Ion: 75 Resp: 52788

Ion Ratio Lower Upper

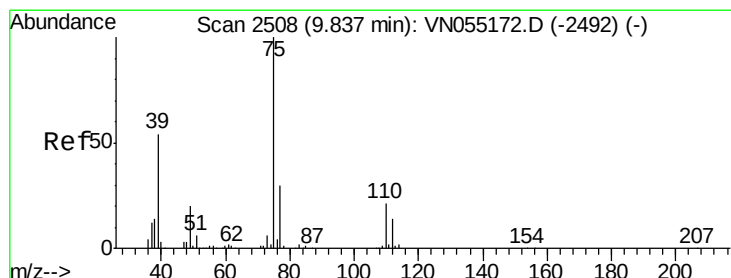
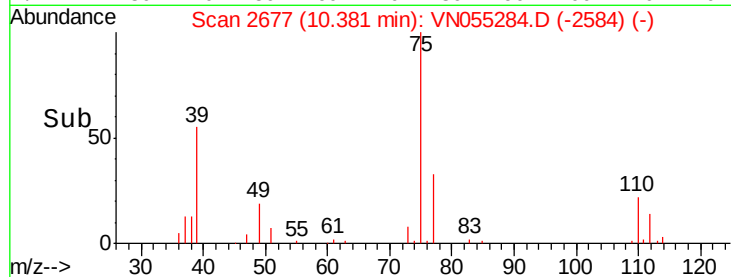
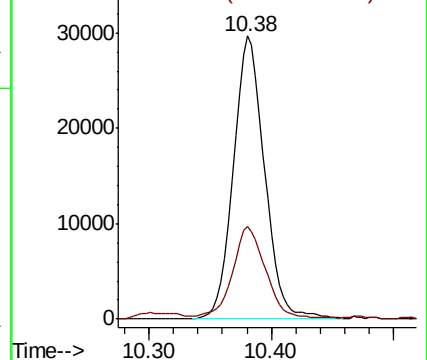
75 100

77 32.1 24.4 36.6



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: 9.575 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. -0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

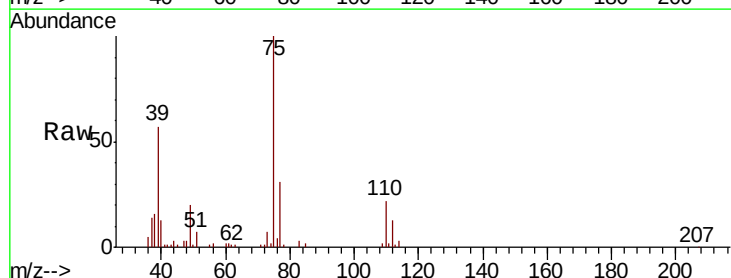
Tgt Ion: 75 Resp: 67691

Ion Ratio Lower Upper

75 100

77 31.3 24.2 36.2

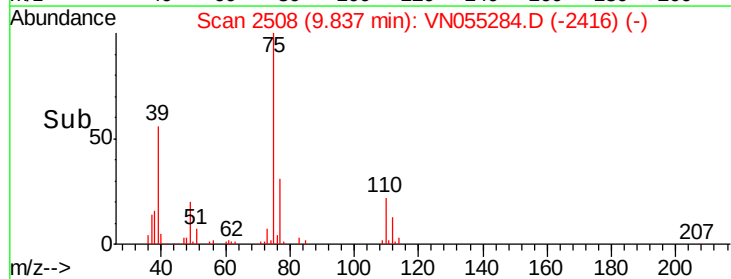
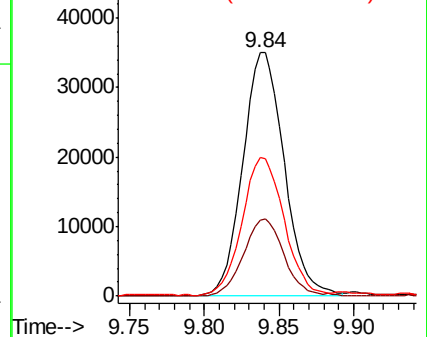
39 56.9 44.2 66.2

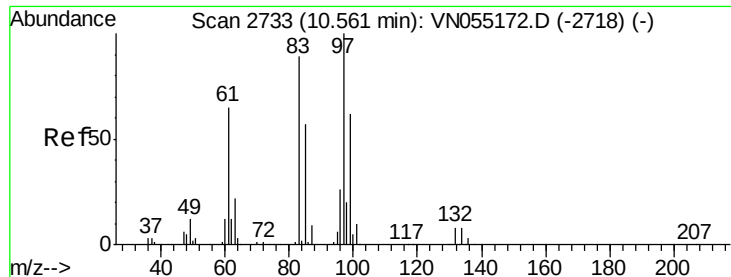


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 10.029 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

Tgt Ion: 97 Resp: 41567

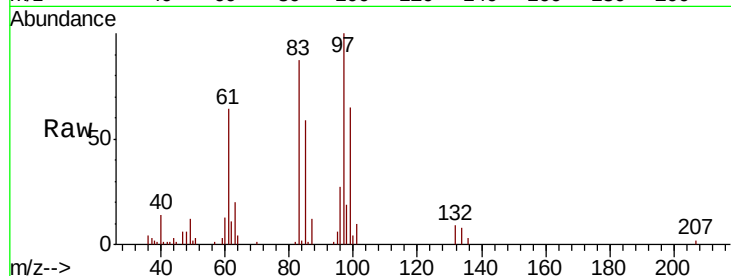
Ion Ratio Lower Upper

97 100

83 87.4 72.8 109.2

85 58.5 47.0 70.6

99 64.5 49.0 73.4

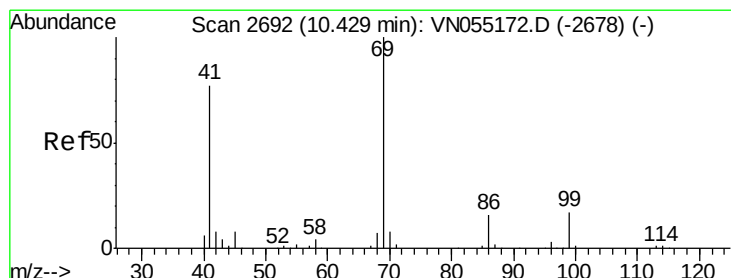
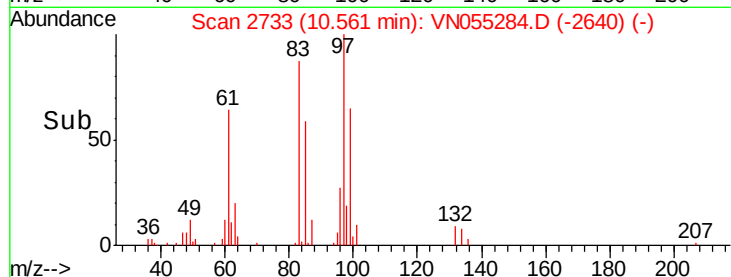
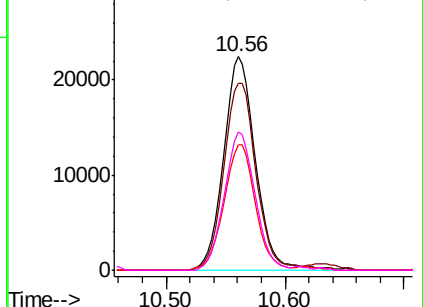


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 9.722 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

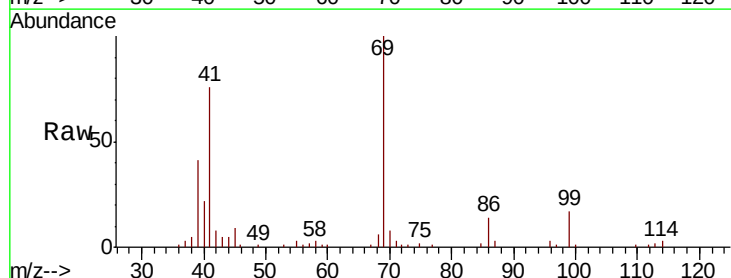
Tgt Ion: 69 Resp: 50050

Ion Ratio Lower Upper

69 100

41 74.4 62.7 94.1

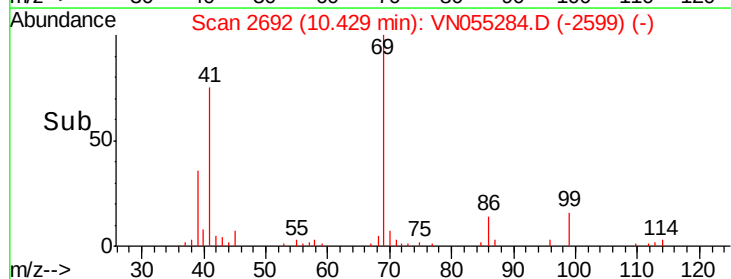
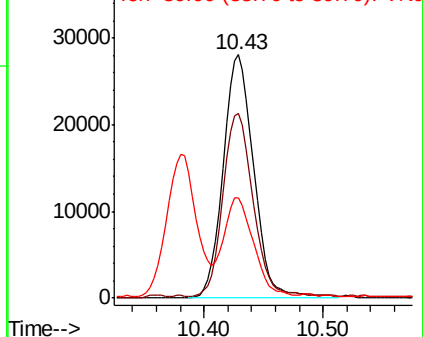
39 39.1 32.0 48.0

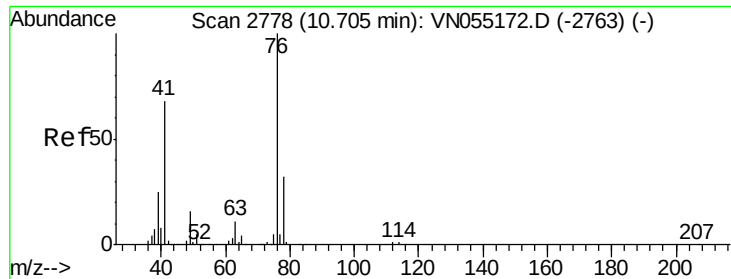


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 9.883 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

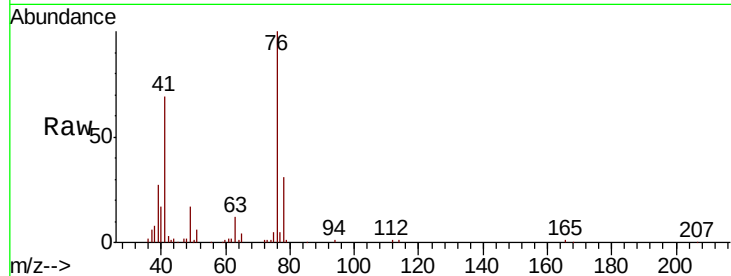
VSTDIC010

Tgt Ion: 76 Resp: 71181

Ion Ratio Lower Upper

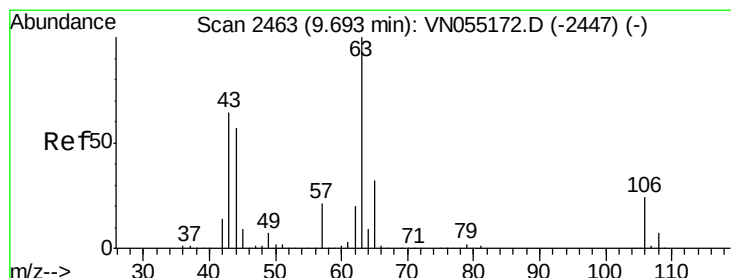
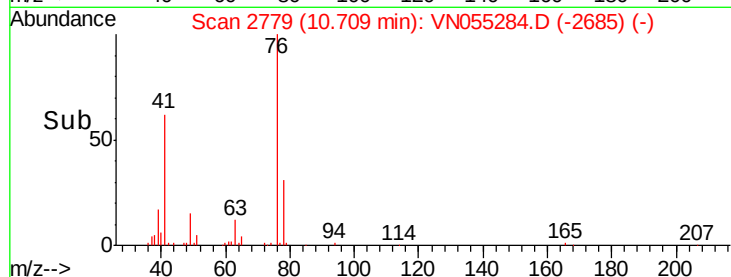
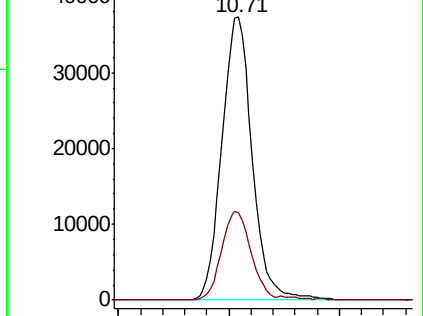
76 100

78 30.4 25.6 38.4



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 34.180 ug/l

RT: 9.70 min Scan# 2464

Delta R.T. 0.00 min

Lab File: VN055284.D

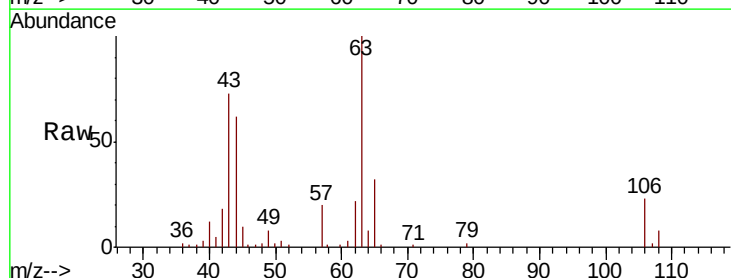
Acq: 29 Apr 2019 10:42

Tgt Ion: 63 Resp: 54307

Ion Ratio Lower Upper

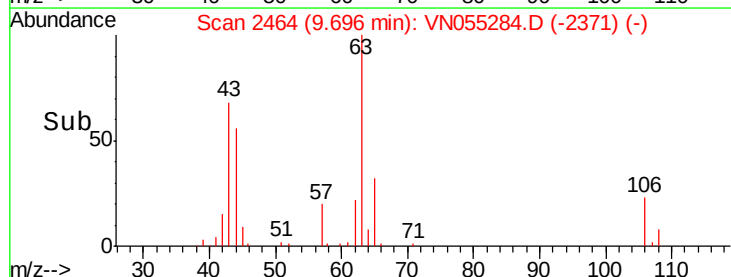
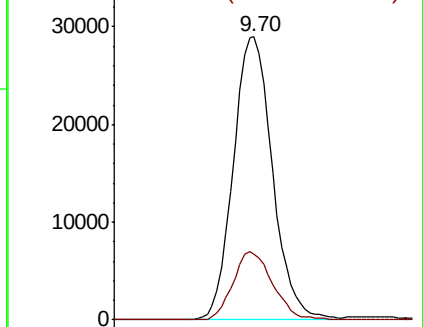
63 100

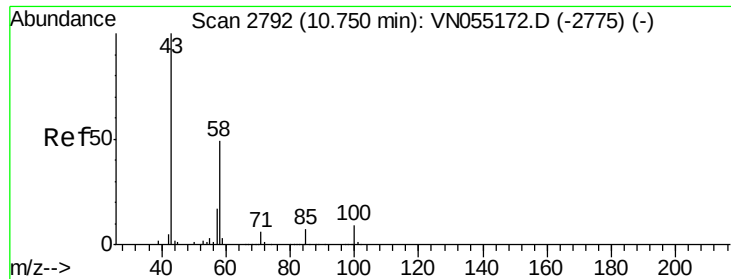
106 24.4 19.0 28.4



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

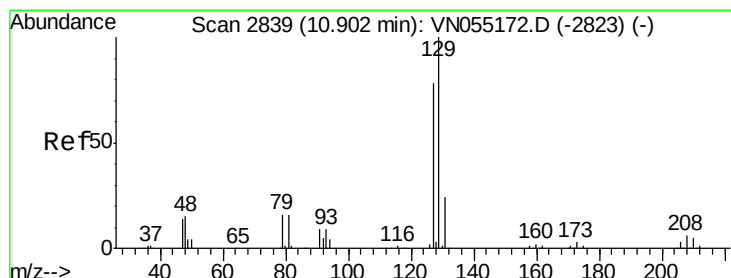
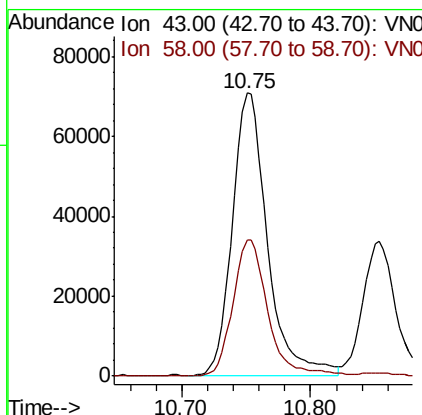
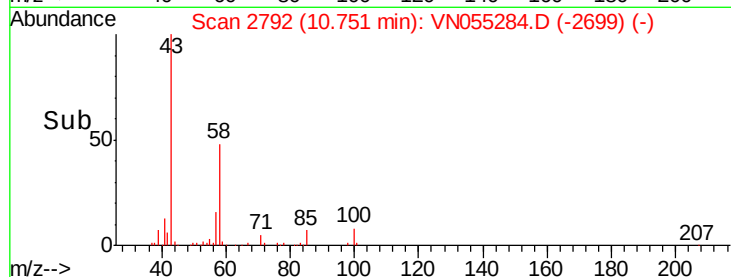
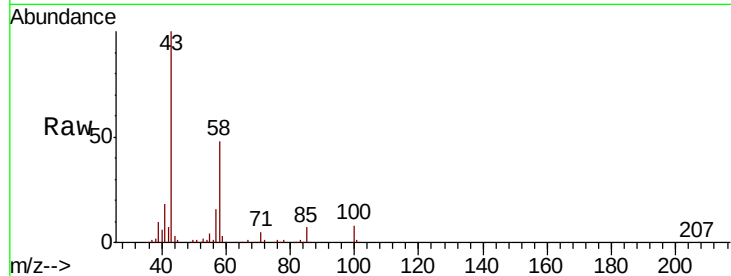




#59
2-Hexanone
Concen: 45.629 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

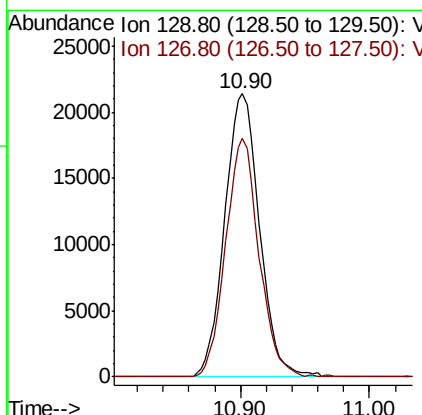
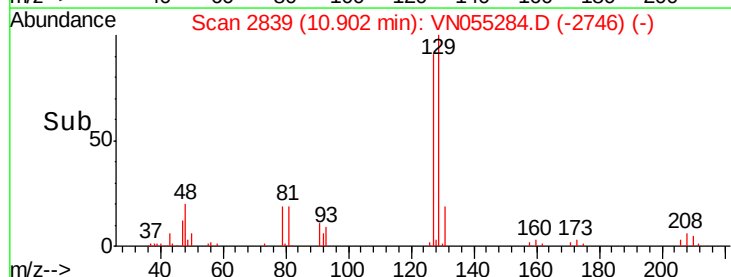
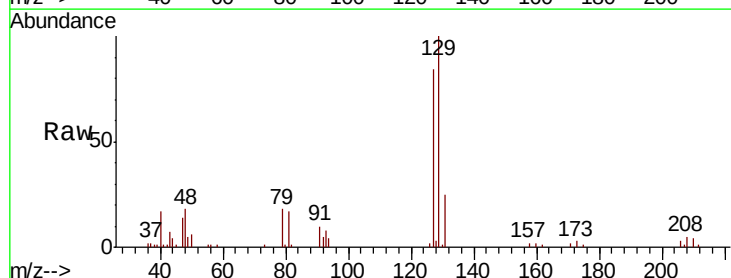
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

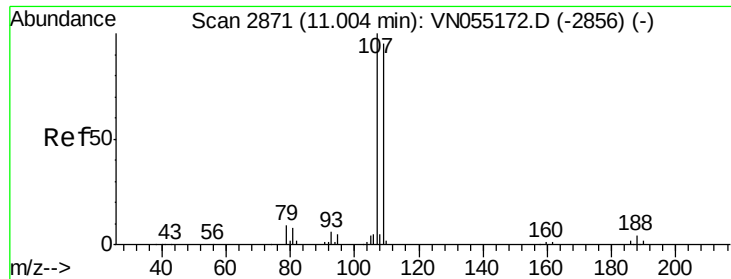
Tgt Ion: 43 Resp: 132893
Ion Ratio Lower Upper
43 100
58 48.3 24.9 74.6



#60
Dibromochloromethane
Concen: 9.385 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 129 Resp: 40119
Ion Ratio Lower Upper
129 100
127 80.5 38.1 114.5

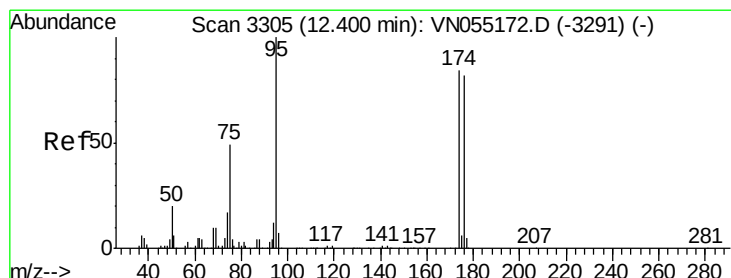
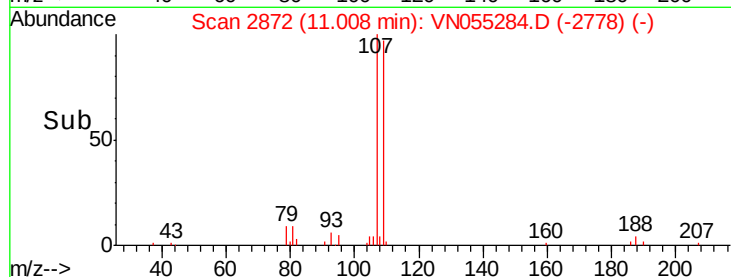
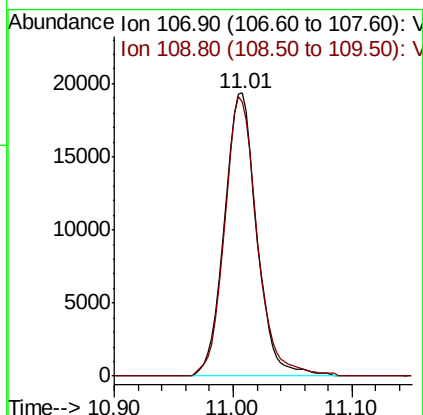
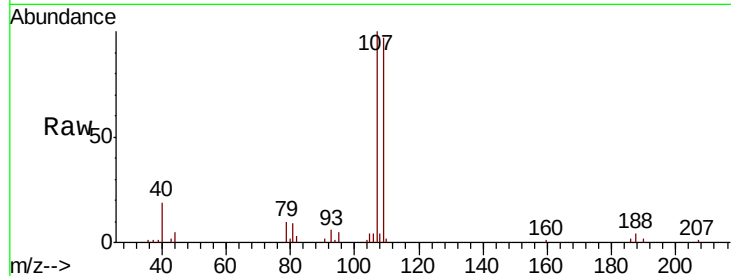




#61
 1,2-Dibromoethane
 Concen: 9.409 ug/l
 RT: 11.01 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

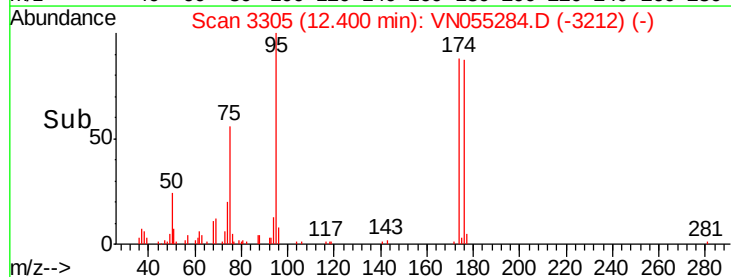
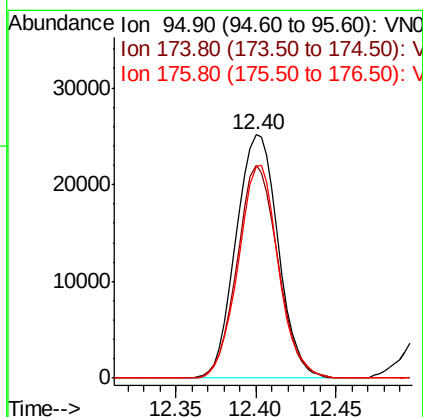
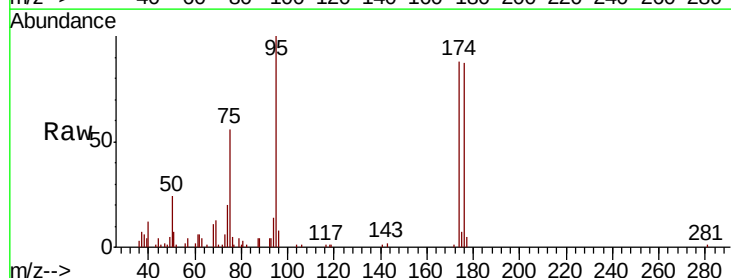
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

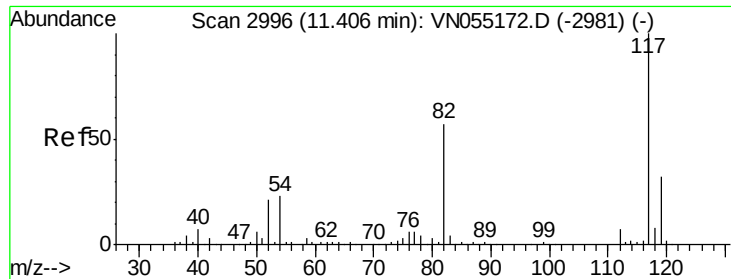
Tgt Ion: 107 Resp: 36508
 Ion Ratio Lower Upper
 107 100
 109 99.5 75.0 112.6



#62
 4-Bromofluorobenzene
 Concen: 8.557 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 95 Resp: 45316
 Ion Ratio Lower Upper
 95 100
 174 84.2 0.0 166.6
 176 82.9 0.0 157.8

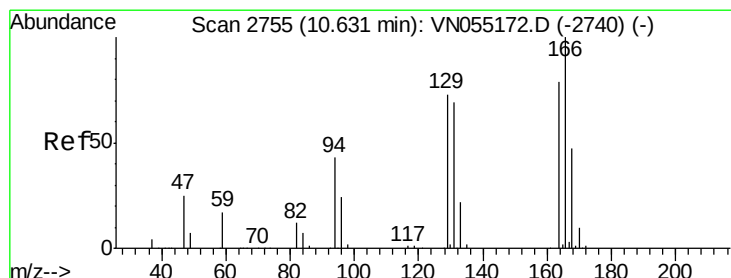
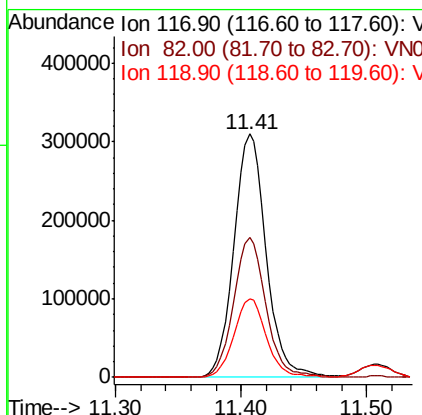
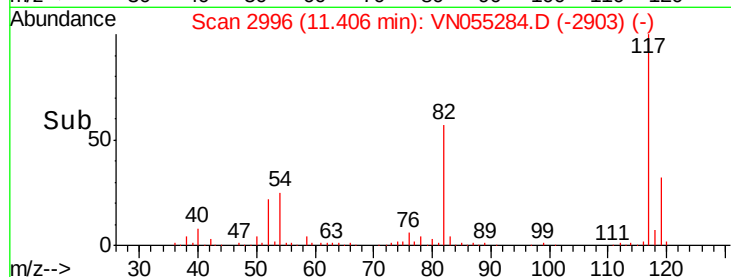
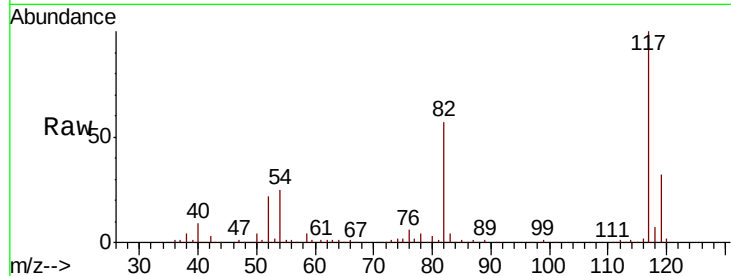




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

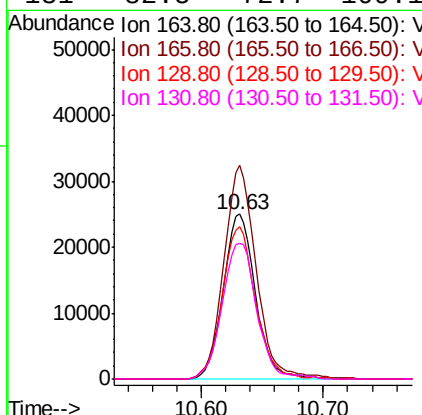
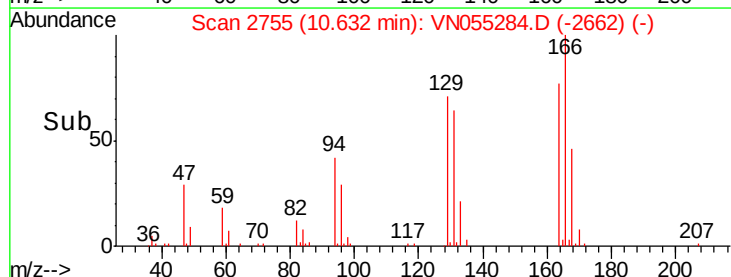
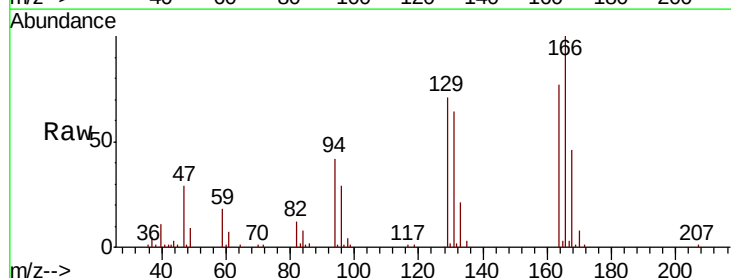
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

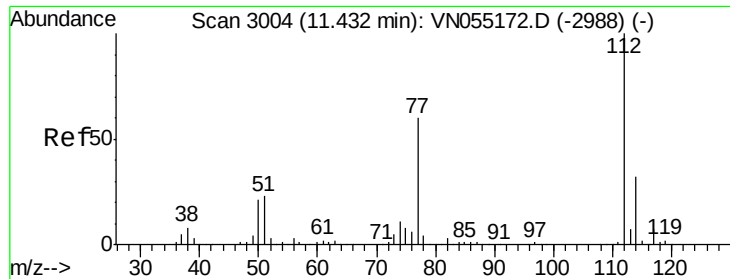
Tgt Ion:117 Resp: 554331
Ion Ratio Lower Upper
117 100
82 57.3 46.2 69.4
119 32.3 26.6 40.0



#64
Tetrachloroethene
Concen: 10.395 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion:164 Resp: 46638
Ion Ratio Lower Upper
164 100
166 129.6 102.3 153.5
129 92.1 75.0 112.6
131 82.5 72.7 109.1

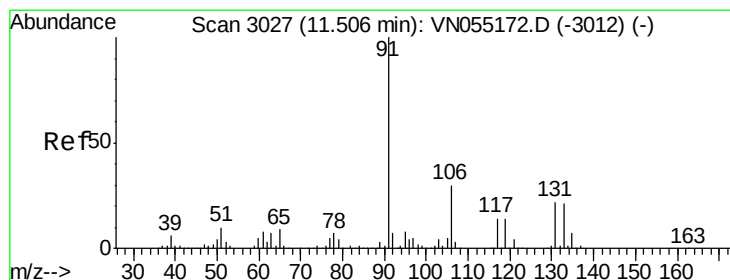
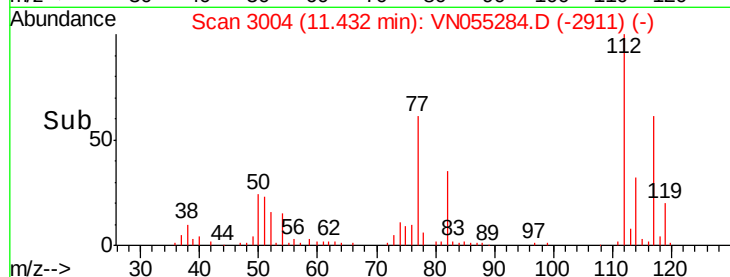
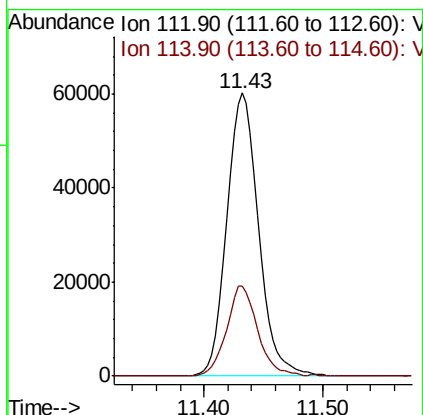
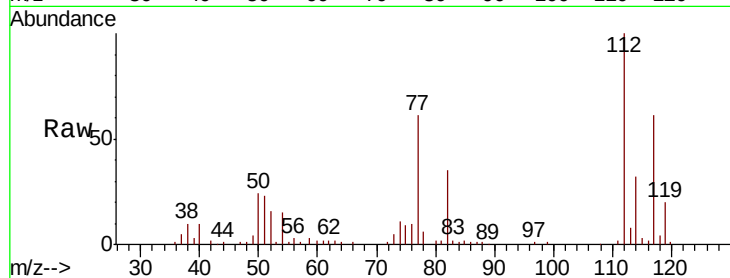




#65
Chlorobenzene
Concen: 9.920 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

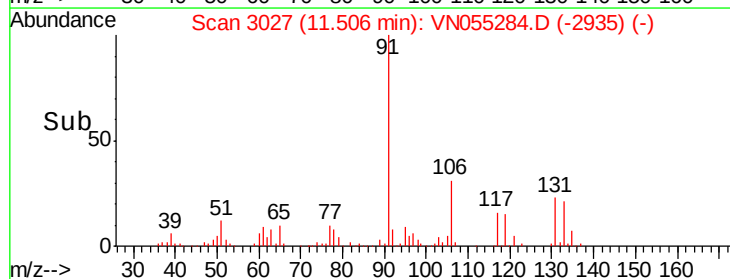
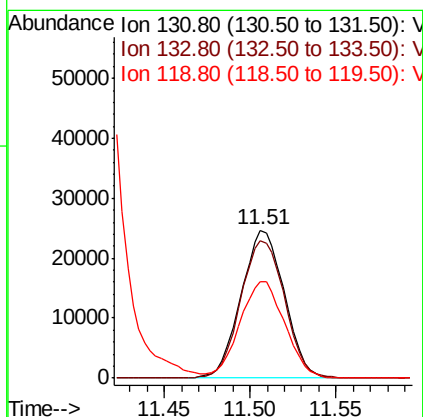
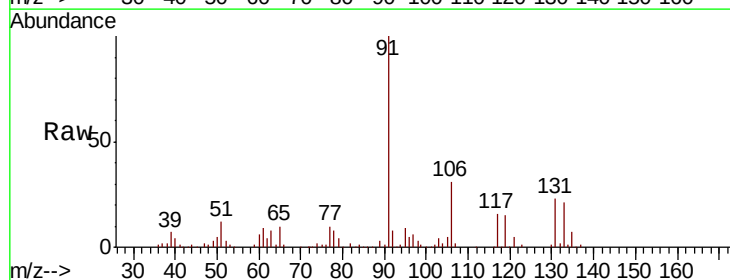
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

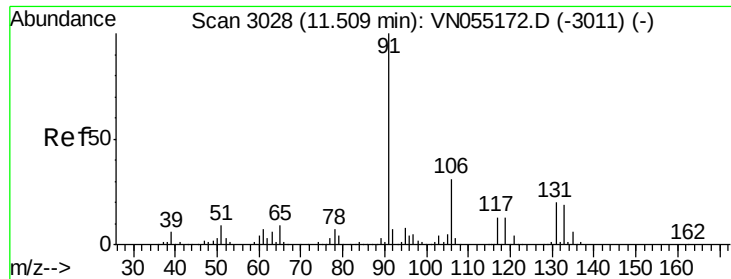
Tgt Ion:112 Resp: 111248
Ion Ratio Lower Upper
112 100
114 32.0 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 10.284 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. -0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion:131 Resp: 42942
Ion Ratio Lower Upper
131 100
133 94.9 47.5 142.6
119 68.0 32.7 98.1

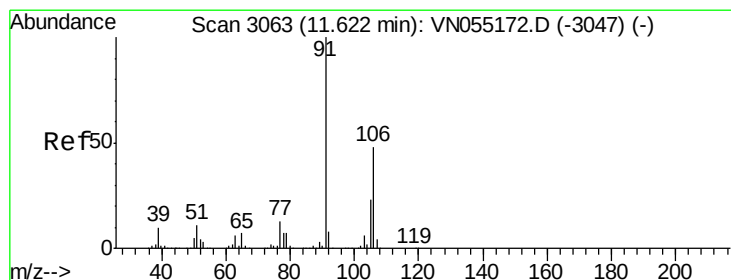
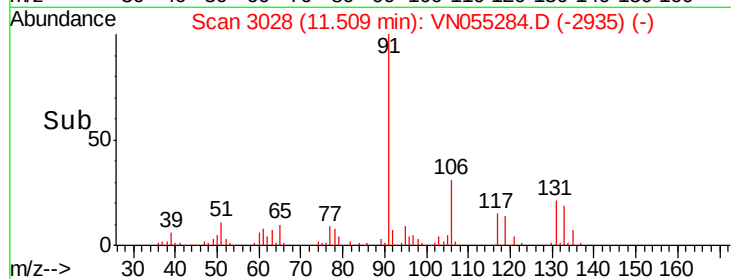
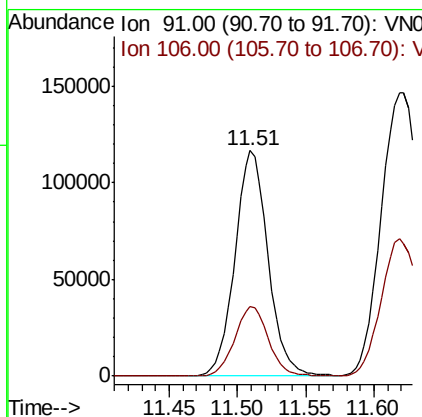
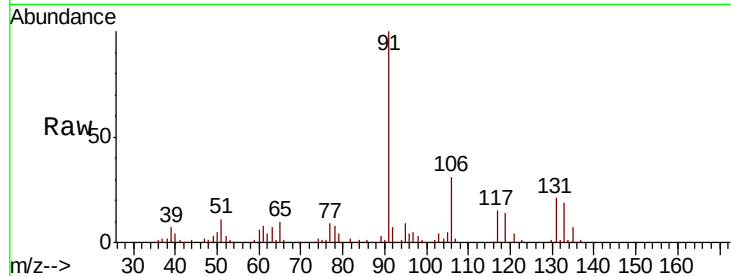




#67
Ethyl Benzene
Concen: 9.827 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

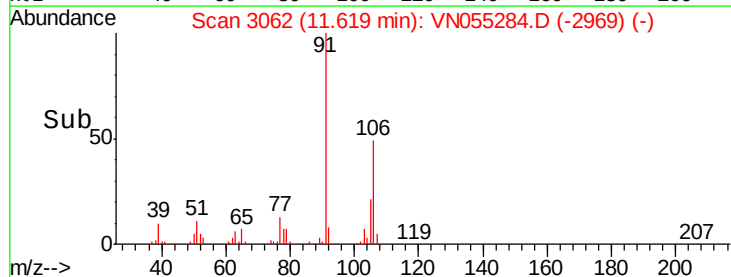
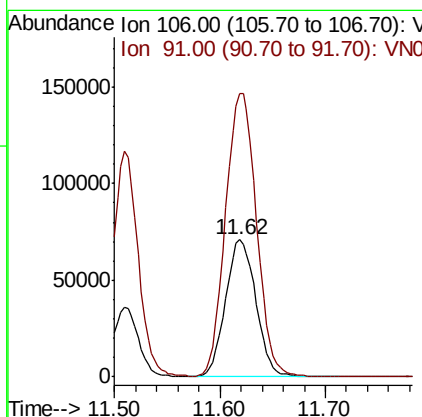
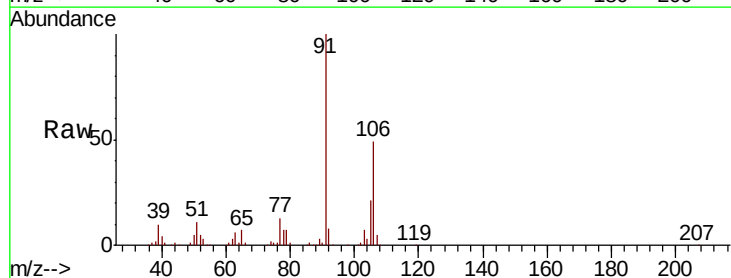
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

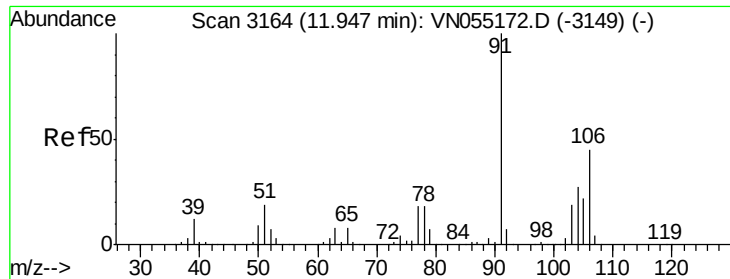
Tgt Ion: 91 Resp: 196455
Ion Ratio Lower Upper
91 100
106 30.9 24.6 36.8



#68
m/p-Xylenes
Concen: 19.868 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion: 106 Resp: 141987
Ion Ratio Lower Upper
106 100
91 209.0 169.5 254.3

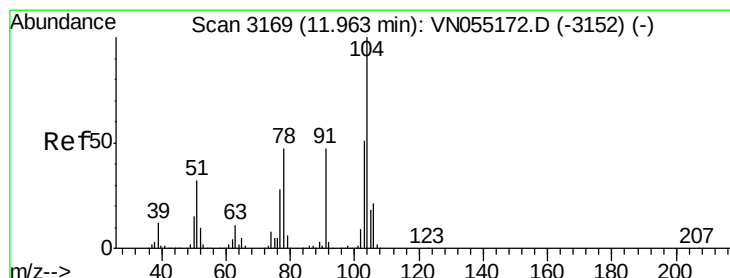
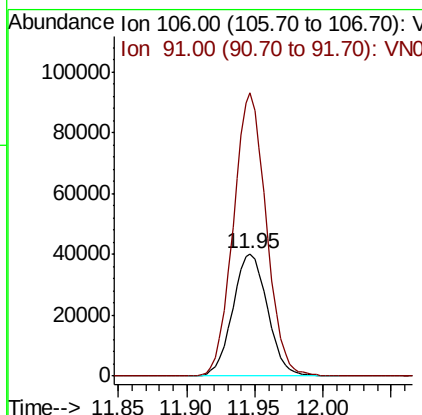
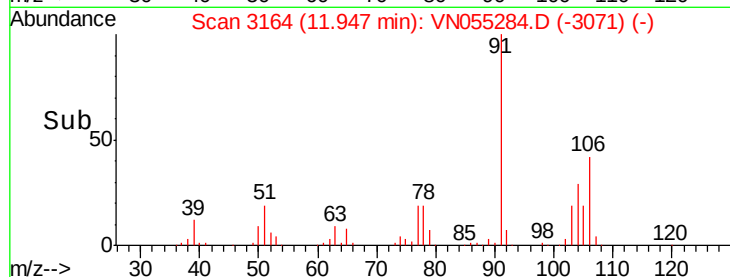
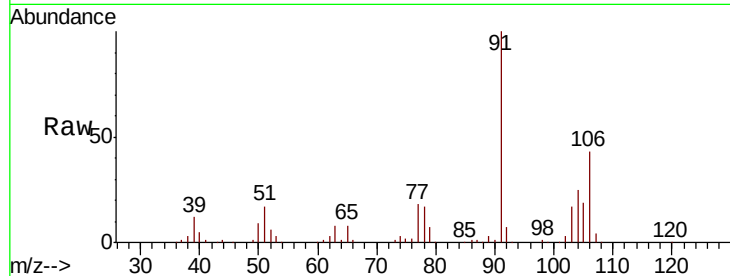




#69
o-Xylene
Concen: 10.023 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

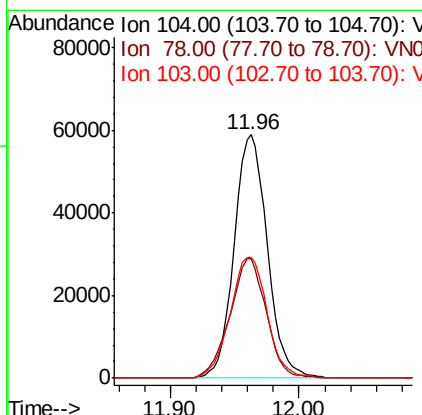
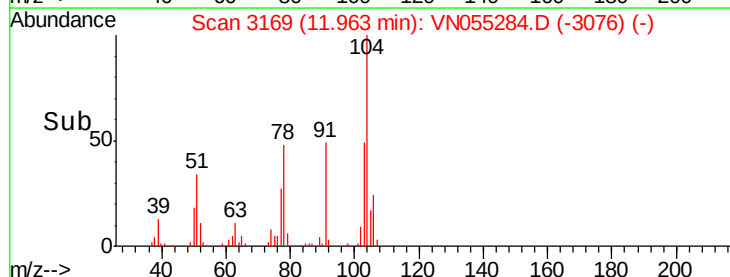
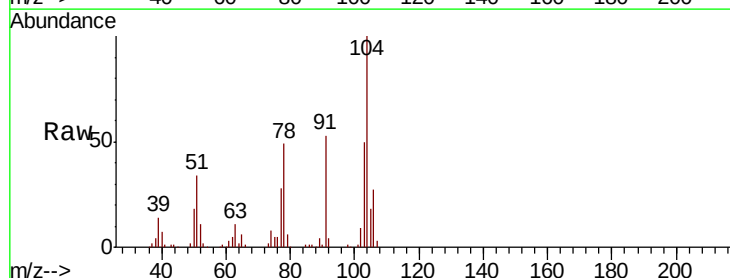
Instrument :
MSVOA_N
ClientSampled :
VSTDIC010

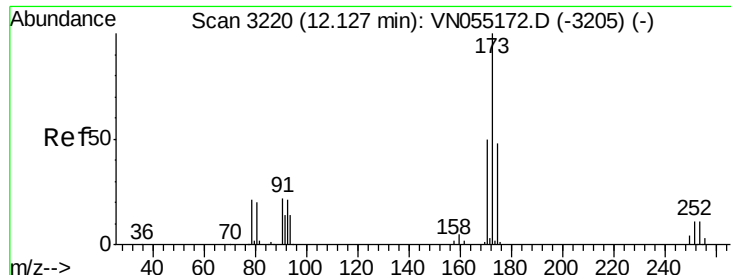
Tgt Ion:106 Resp: 71156
Ion Ratio Lower Upper
106 100
91 218.7 111.5 334.5



#70
Styrene
Concen: 9.607 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion:104 Resp: 105484
Ion Ratio Lower Upper
104 100
78 53.6 42.2 63.2
103 55.5 44.6 67.0





#71

Bromoform

Concen: 9.148 ug/l

RT: 12.13 min Scan# 3220

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

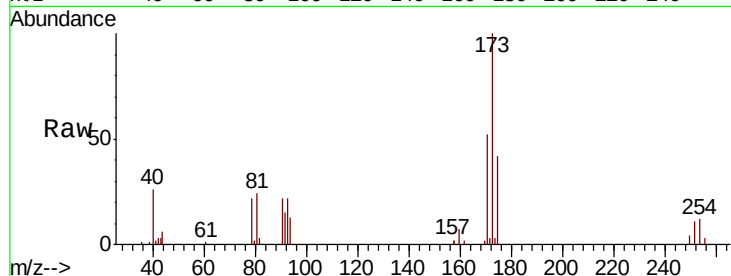
Tgt Ion:173 Resp: 22584

Ion Ratio Lower Upper

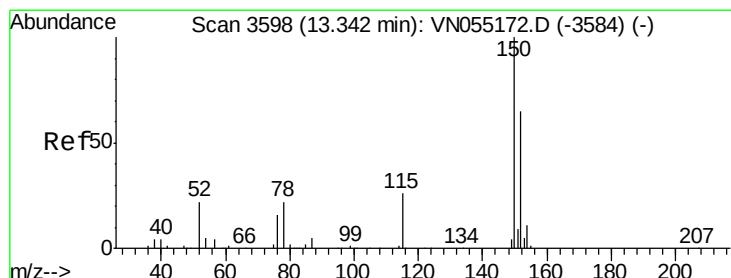
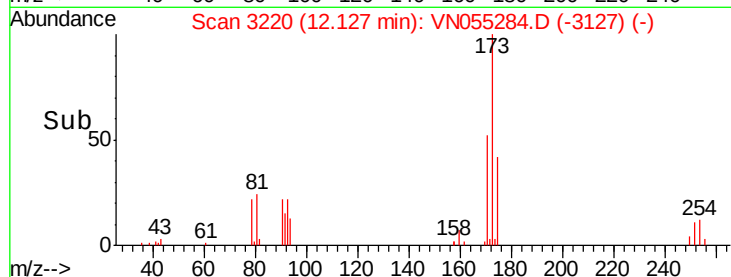
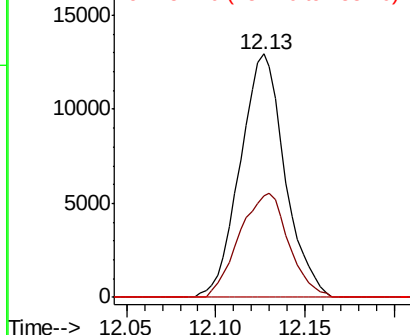
173 100

175 47.2 23.6 71.0

254 0.0 0.0 0.0



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



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

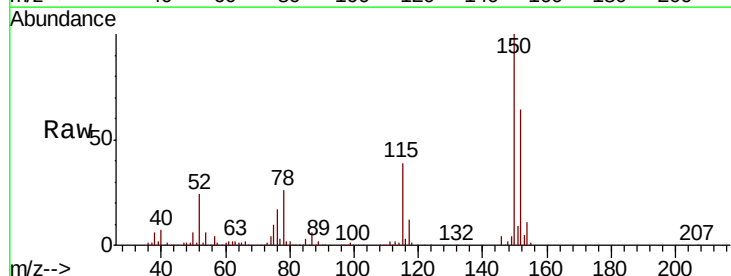
Tgt Ion:152 Resp: 176041

Ion Ratio Lower Upper

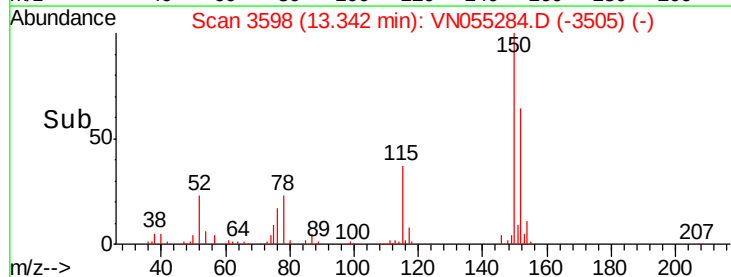
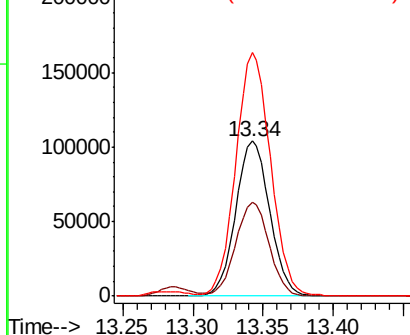
152 100

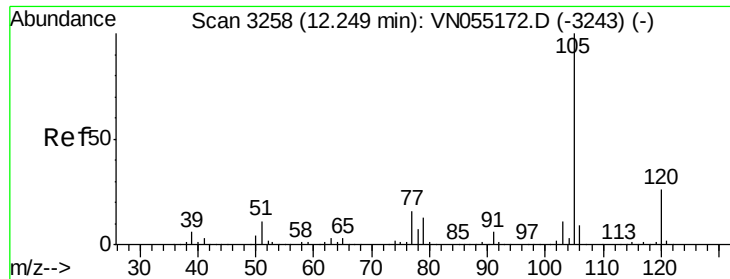
115 59.5 29.0 87.0

150 160.7 0.0 345.6



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





#73

Isopropylbenzene

Concen: 11.227 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

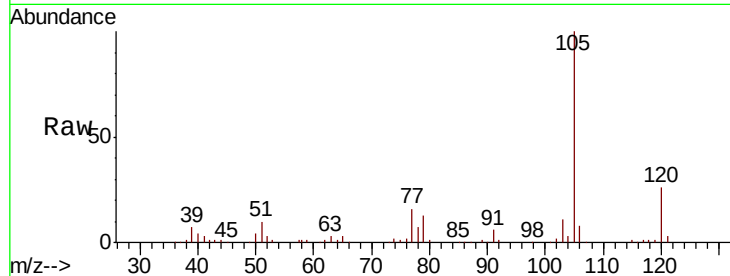
VSTDIC010

Tgt Ion: 105 Resp: 190390

Ion Ratio Lower Upper

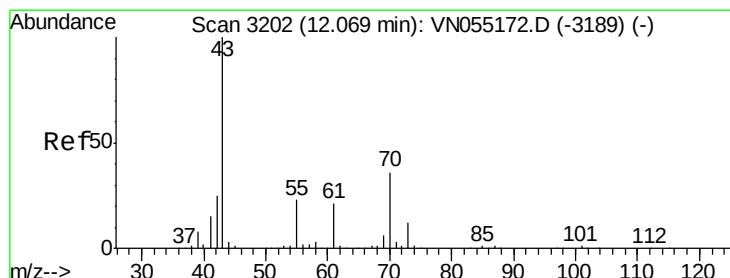
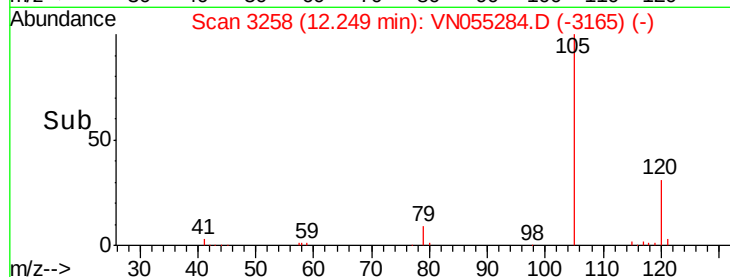
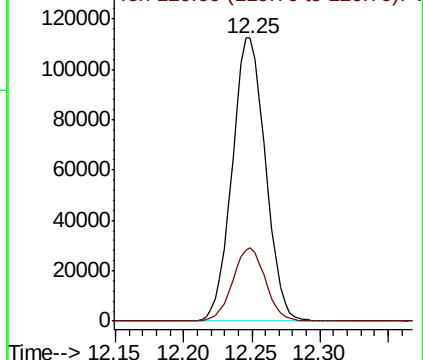
105 100

120 25.4 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#74

N-ethyl acetate

Concen: 9.376 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Tgt Ion: 43 Resp: 42510

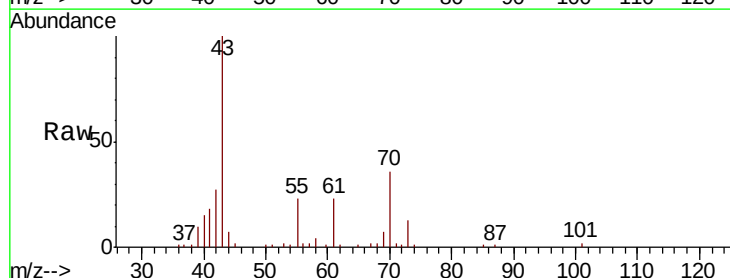
Ion Ratio Lower Upper

43 100

70 37.3 27.9 41.9

55 25.7 18.2 27.2

61 24.1 16.9 25.3

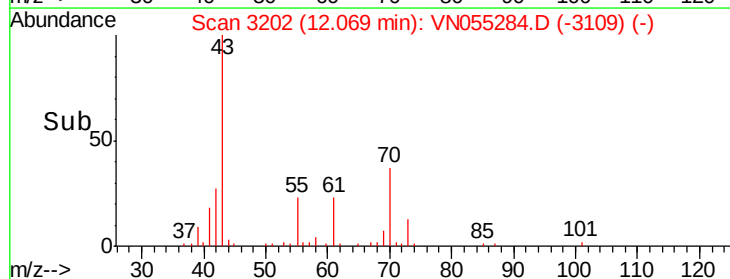
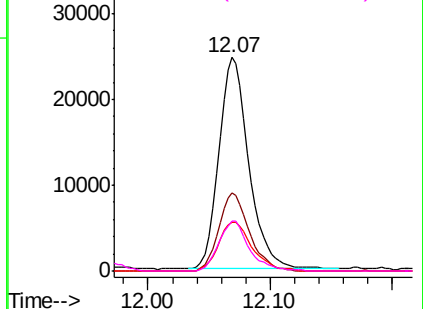


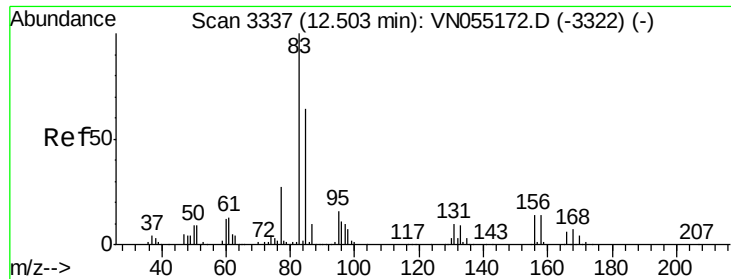
Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V





#75

1,1,2,2-Tetrachloroethane

Concen: 10.518 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

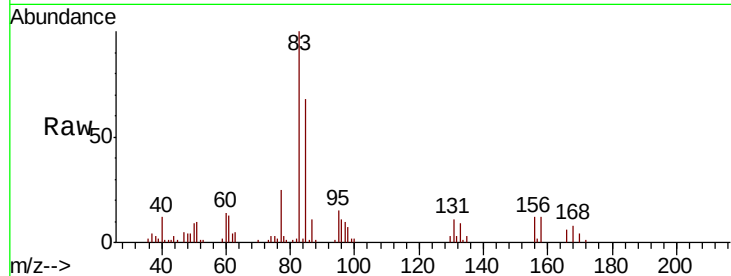
Tgt Ion: 83 Resp: 47047

Ion Ratio Lower Upper

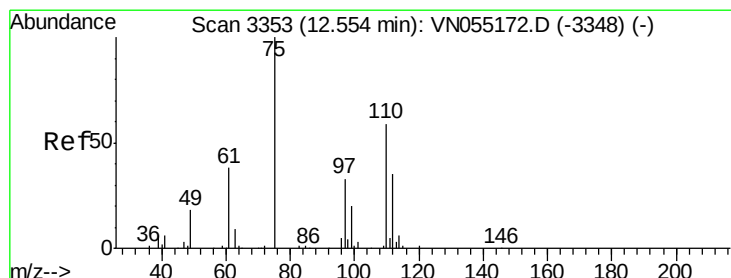
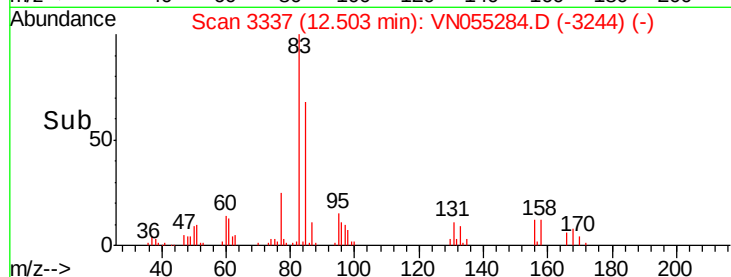
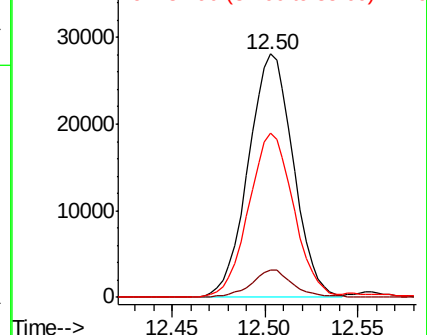
83 100

131 10.5 5.1 15.2

85 67.7 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 130.80 (130.50 to 131.50): VNO
Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 14.552 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055284.D

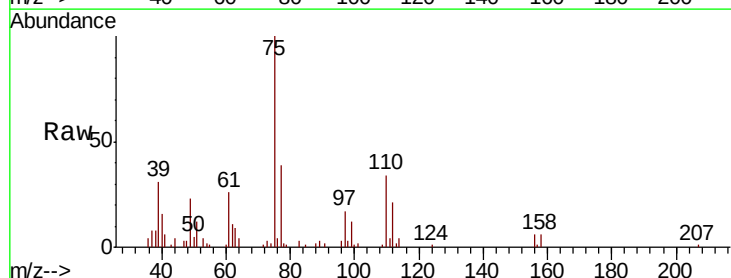
Acq: 29 Apr 2019 10:42

Tgt Ion: 75 Resp: 52589

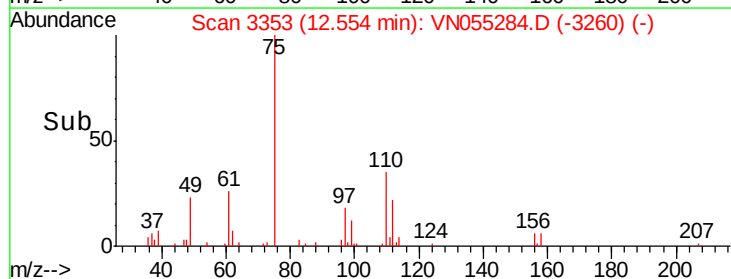
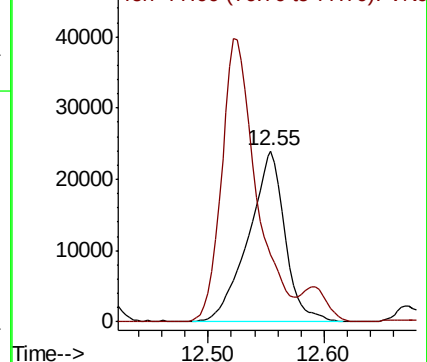
Ion Ratio Lower Upper

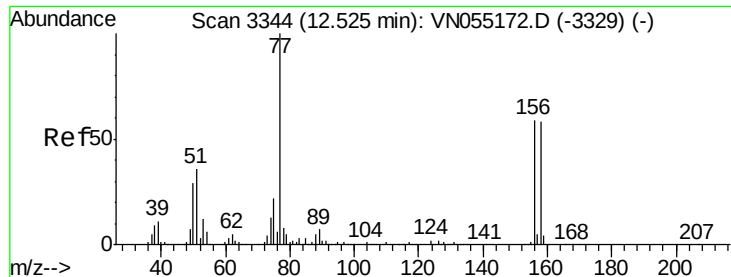
75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VNO
Ion 77.00 (76.70 to 77.70): VNO





#77

Bromobenzene

Concen: 10.748 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

VSTDIC010

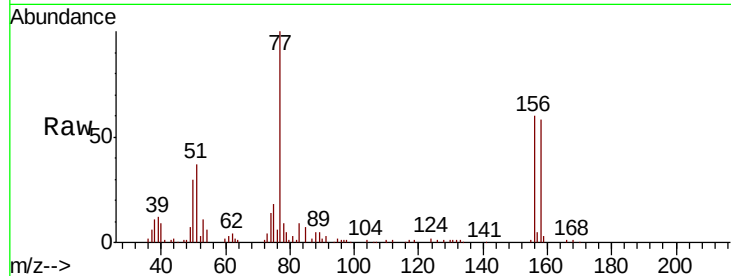
Tgt Ion:156 Resp: 41669

Ion Ratio Lower Upper

156 100

77 197.2 99.6 298.8

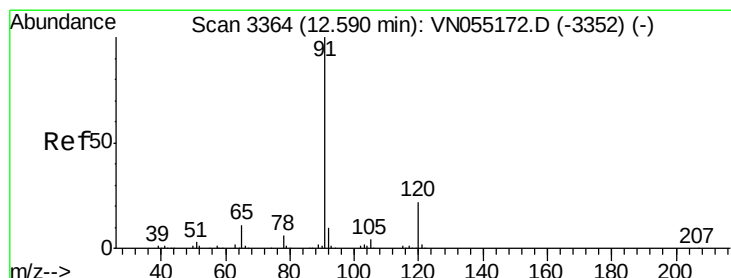
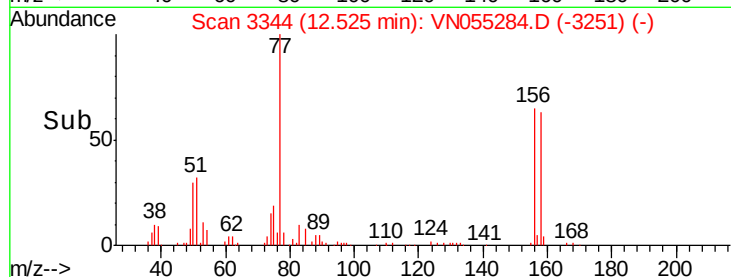
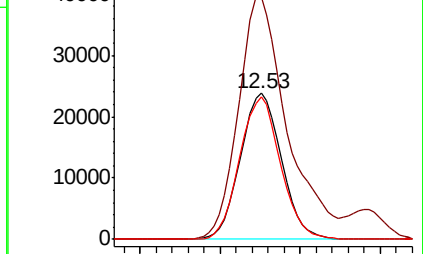
158 97.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 10.801 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055284.D

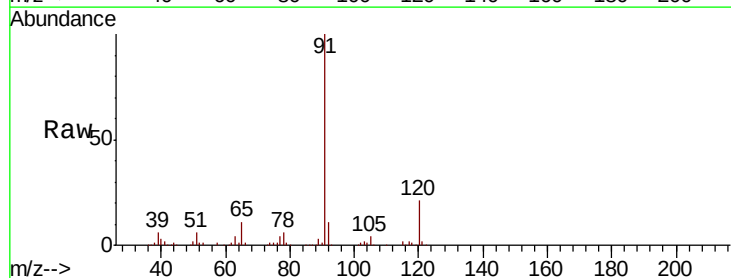
Acq: 29 Apr 2019 10:42

Tgt Ion: 91 Resp: 191010

Ion Ratio Lower Upper

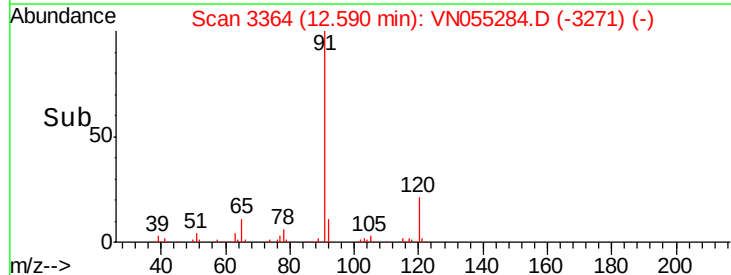
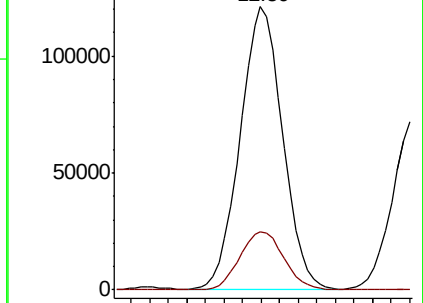
91 100

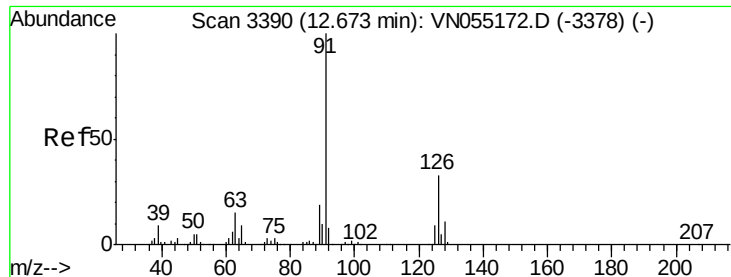
120 21.5 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 11.120 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

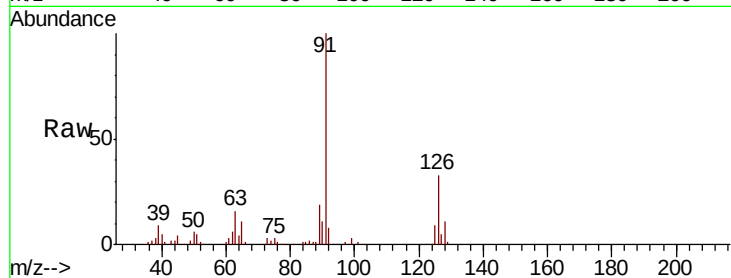
VSTDIC010

Tgt Ion: 91 Resp: 124174

Ion Ratio Lower Upper

91 100

126 32.9 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3378) (-)

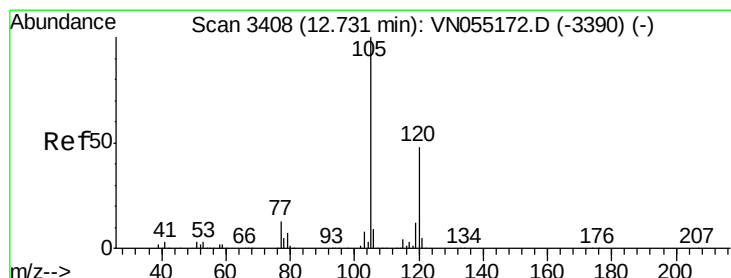
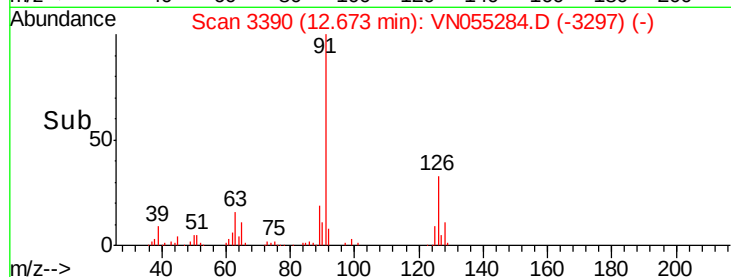
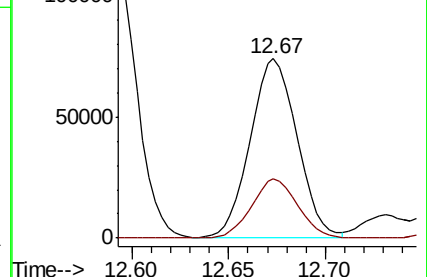
Ion 125.90 (125.60 to 126.60): VN055172.D (-3378) (-)

100000

50000

0

12.60 12.65 12.70



#80

1,3,5-Trimethylbenzene

Concen: 11.179 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055284.D

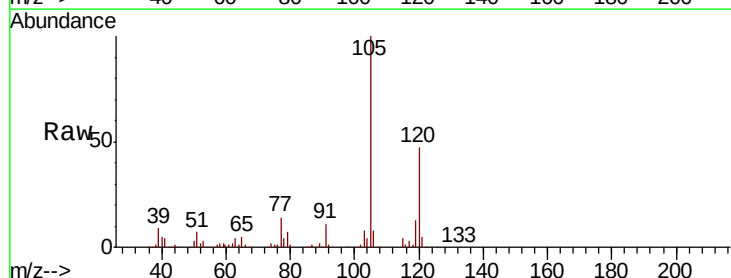
Acq: 29 Apr 2019 10:42

Tgt Ion: 105 Resp: 147365

Ion Ratio Lower Upper

105 100

120 47.4 23.4 70.0



Abundance Ion 105.00 (104.70 to 105.70): VN055172.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3390) (-)

100000

80000

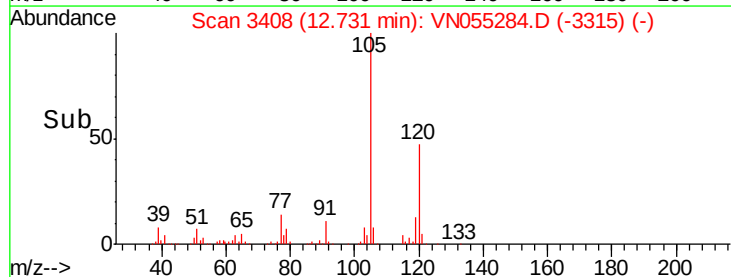
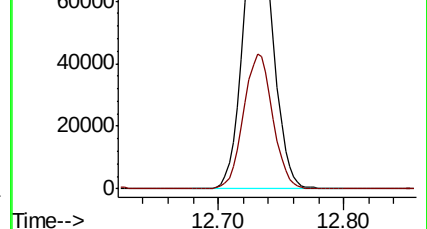
60000

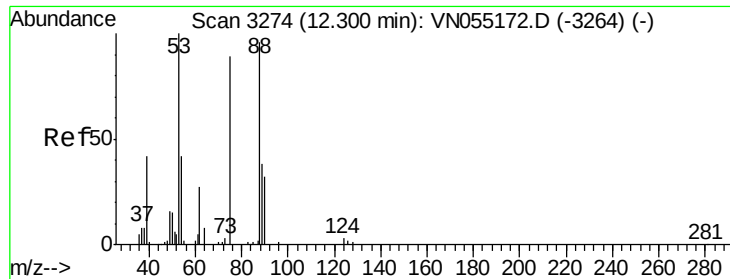
40000

20000

0

12.70 12.80





#81

trans-1,4-Dichloro-2-butene

Concen: 10.310 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

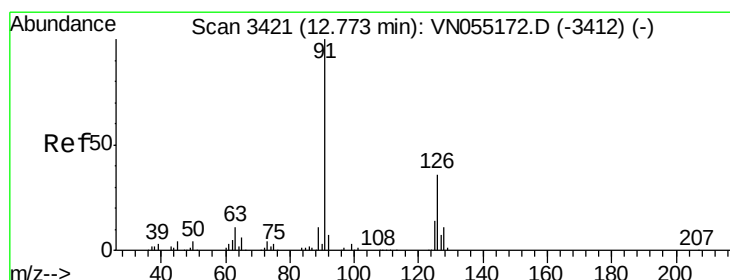
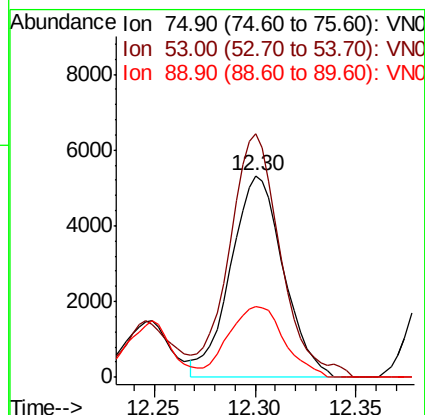
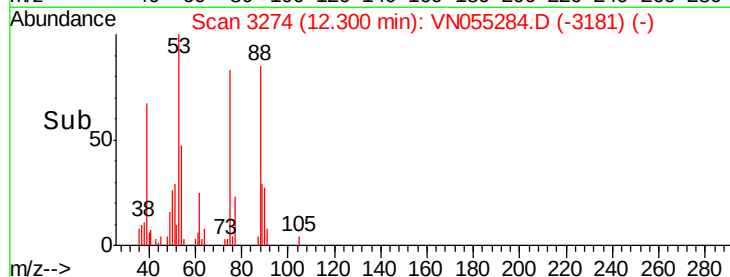
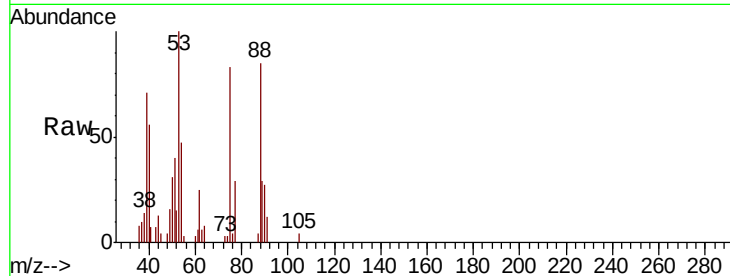
Tgt Ion: 75 Resp: 9731

Ion Ratio Lower Upper

75 100

53 117.3 86.3 129.5

89 37.5 34.6 51.8



#82

4-Chlorotoluene

Concen: 10.455 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055284.D

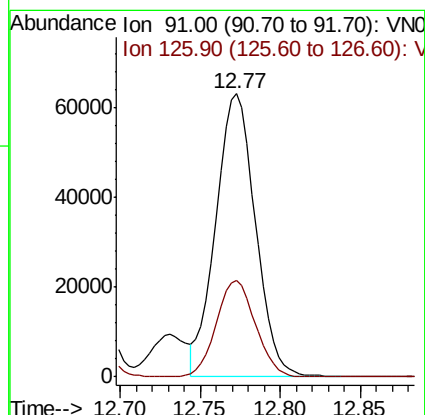
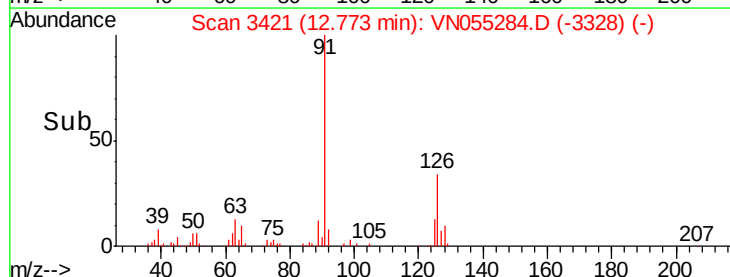
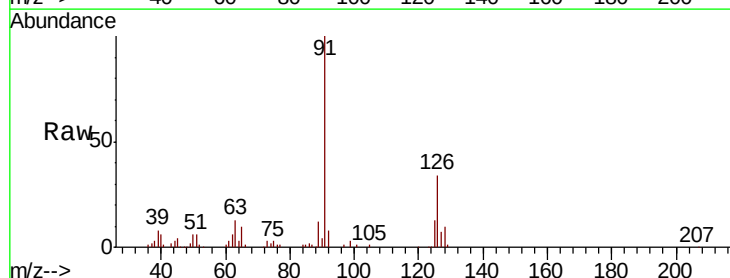
Acq: 29 Apr 2019 10:42

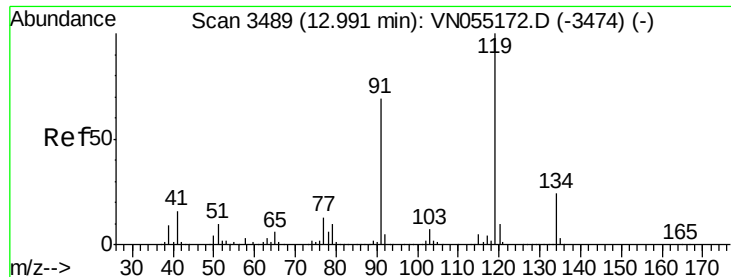
Tgt Ion: 91 Resp: 106968

Ion Ratio Lower Upper

91 100

126 33.7 16.6 49.7

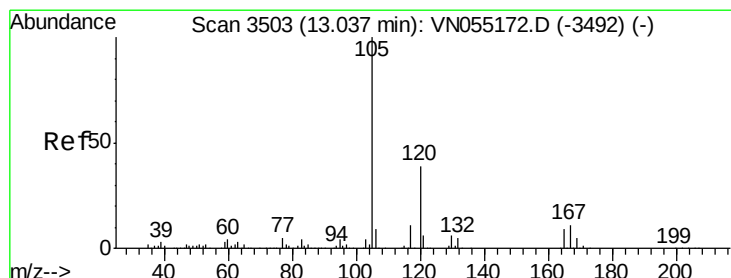
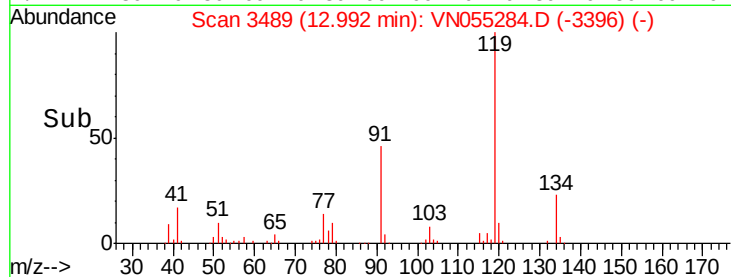
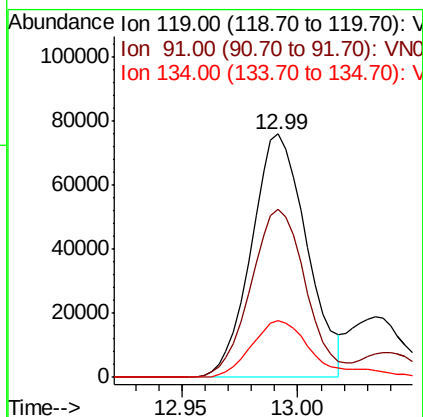
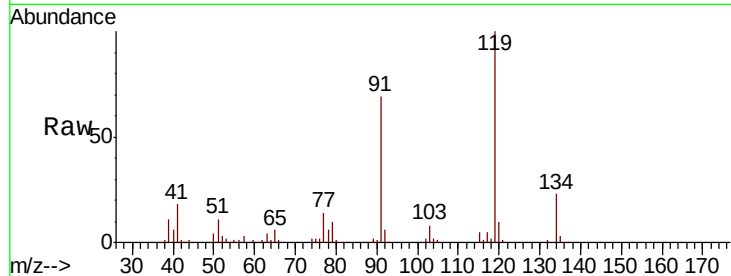




#83
 tert-Butylbenzene
 Concen: 10.719 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

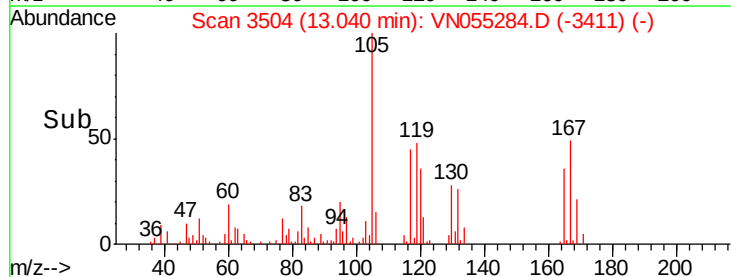
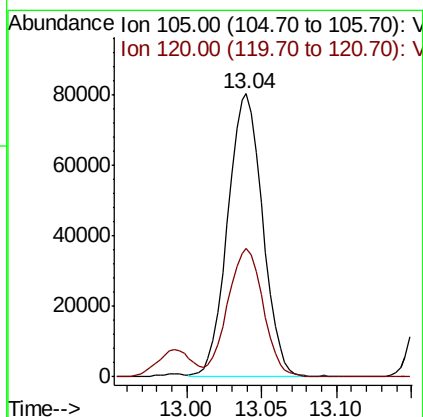
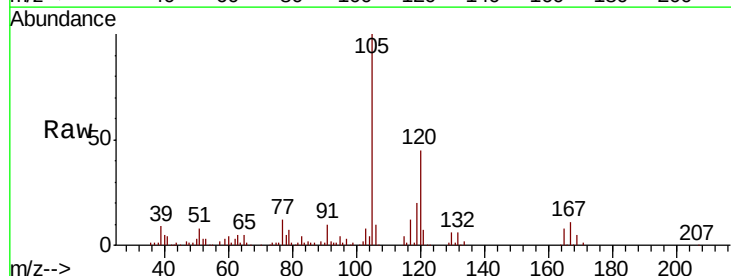
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

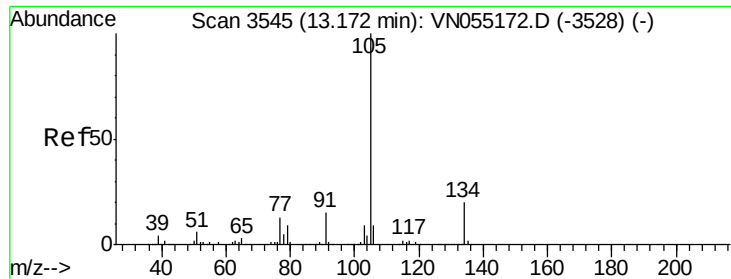
Tgt Ion:119 Resp: 126487
 Ion Ratio Lower Upper
 119 100
 91 68.7 34.3 102.9
 134 26.3 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 10.527 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion:105 Resp: 130789
 Ion Ratio Lower Upper
 105 100
 120 46.2 22.1 66.5





#85

sec-Butylbenzene

Concen: 10.823 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampled :

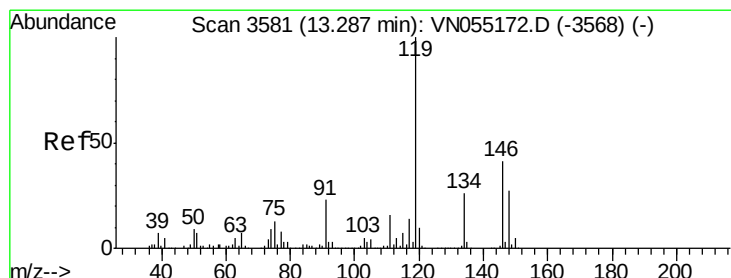
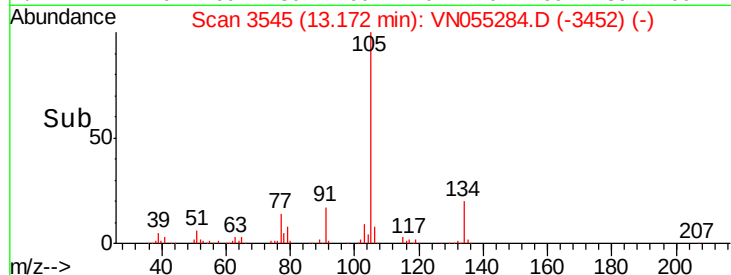
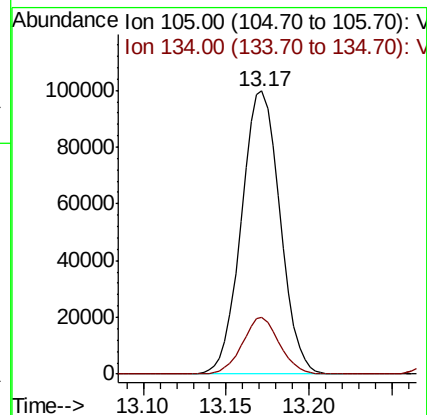
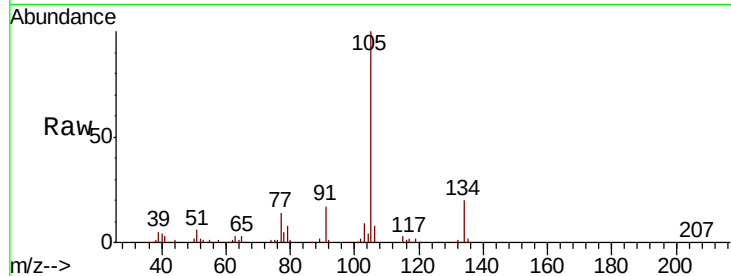
VSTDIC010

Tgt Ion:105 Resp: 161567

Ion Ratio Lower Upper

105 100

134 19.1 9.6 28.8



#86

p-Isopropyltoluene

Concen: 10.470 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

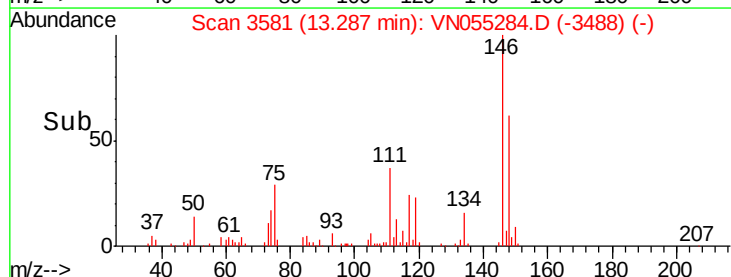
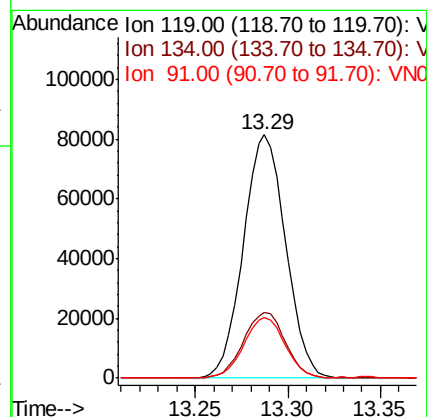
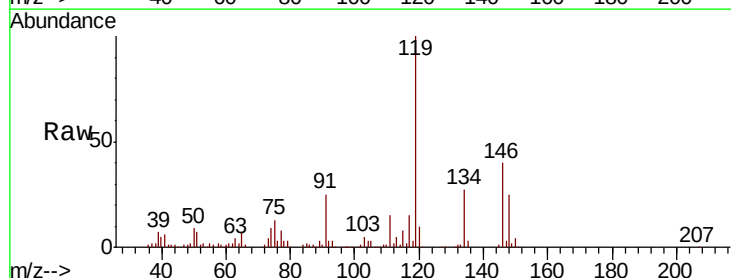
Tgt Ion:119 Resp: 128571

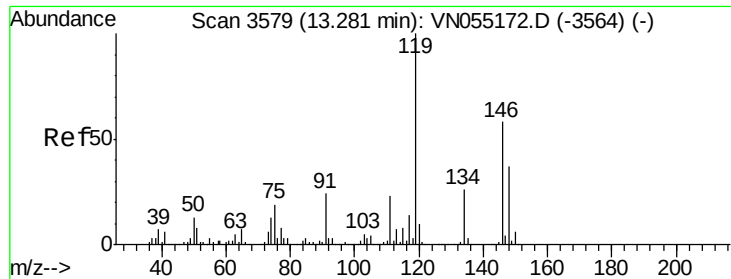
Ion Ratio Lower Upper

119 100

134 26.9 13.0 38.9

91 24.3 12.2 36.6

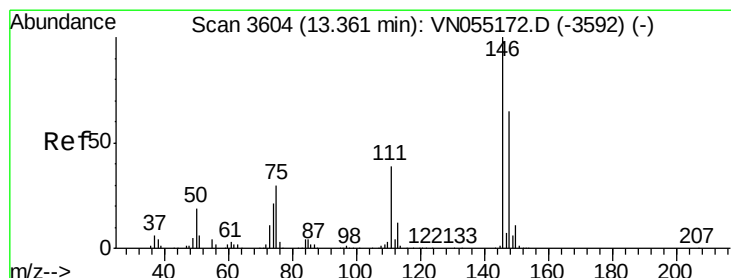
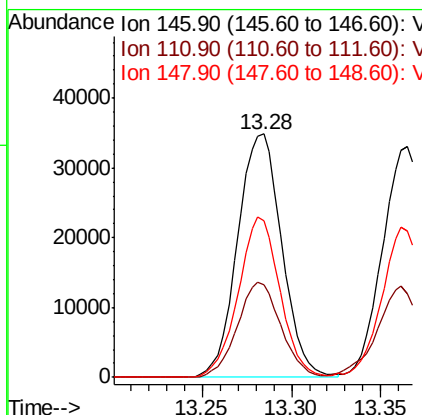
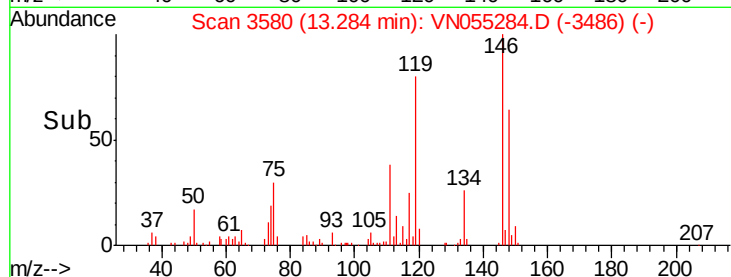
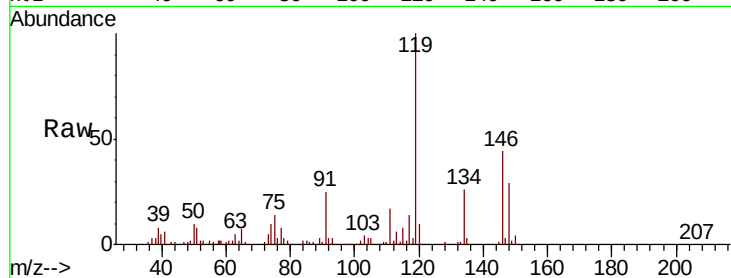




#87
 1,3-Dichlorobenzene
 Concen: 10.195 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

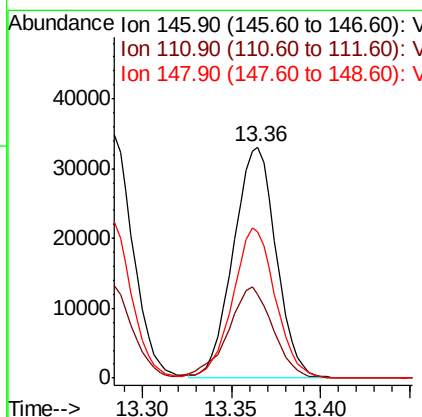
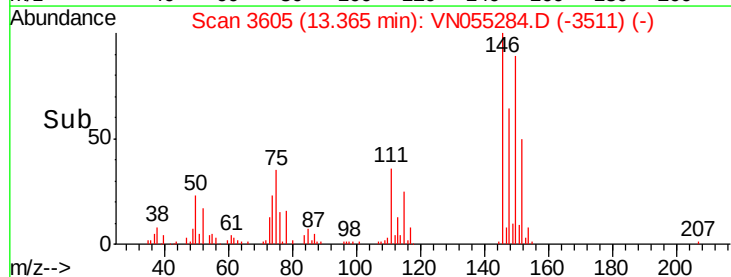
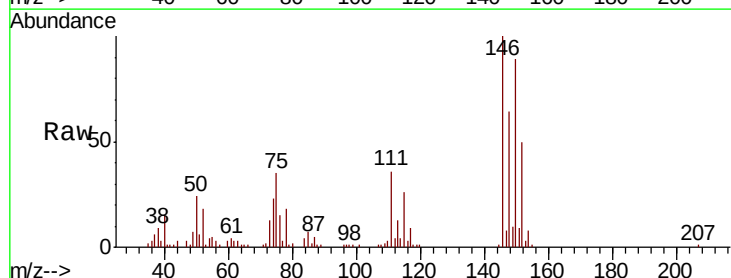
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

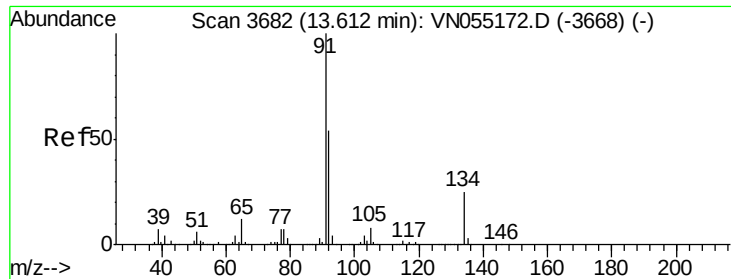
Tgt Ion:146 Resp: 60345
 Ion Ratio Lower Upper
 146 100
 111 38.2 20.3 60.8
 148 62.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 9.624 ug/l
 RT: 13.36 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion:146 Resp: 55543
 Ion Ratio Lower Upper
 146 100
 111 41.6 19.5 58.5
 148 64.9 32.5 97.4





#89

n-Butylbenzene

Concen: 9.182 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

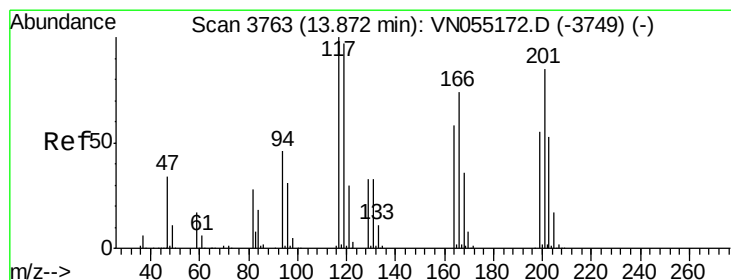
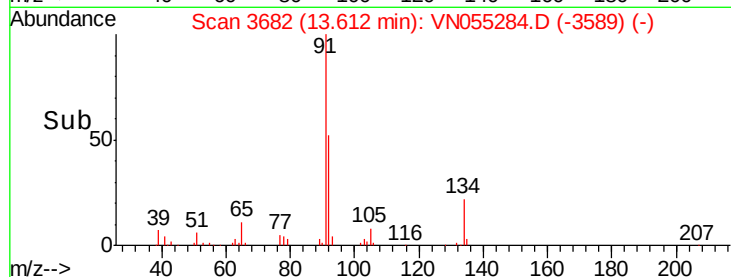
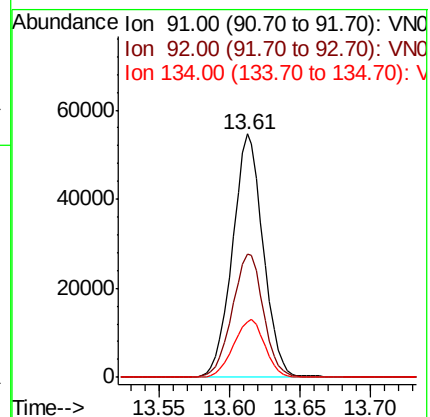
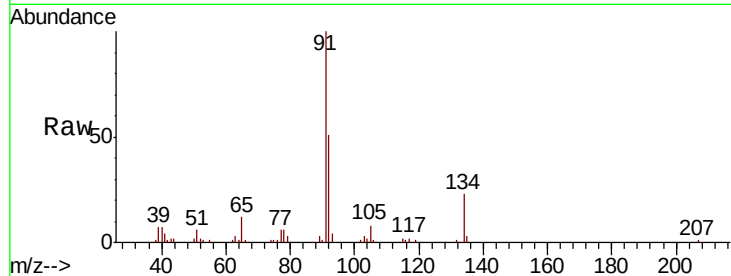
Tgt Ion: 91 Resp: 83048

Ion Ratio Lower Upper

91 100

92 51.4 26.1 78.3

134 24.2 12.4 37.4



#90

Hexachloroethane

Concen: 10.469 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055284.D

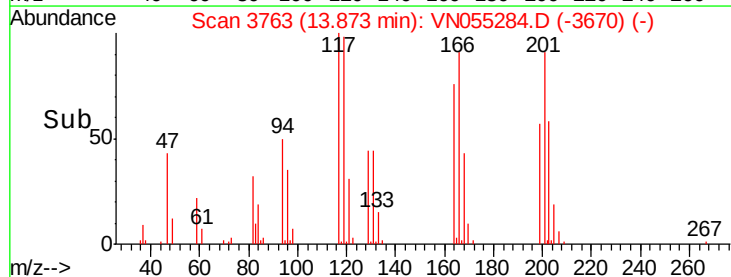
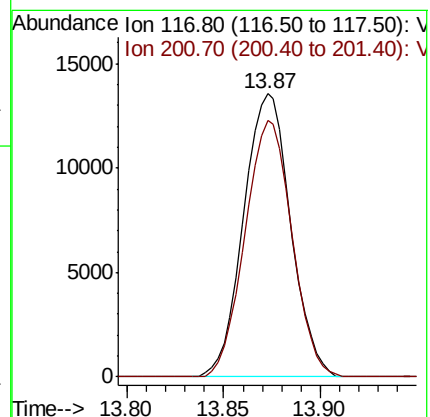
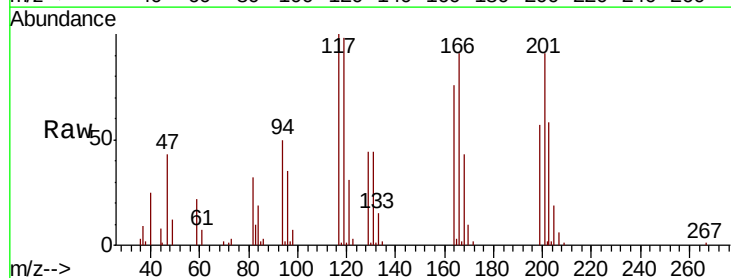
Acq: 29 Apr 2019 10:42

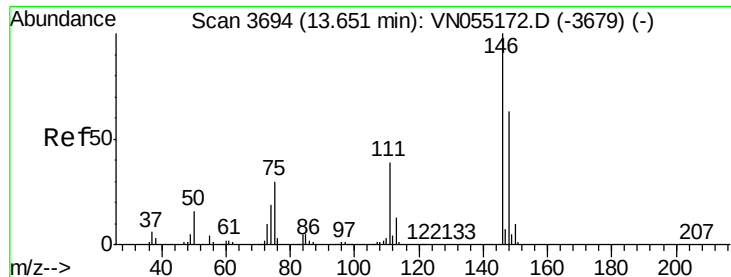
Tgt Ion: 117 Resp: 22928

Ion Ratio Lower Upper

117 100

201 90.1 41.9 125.8

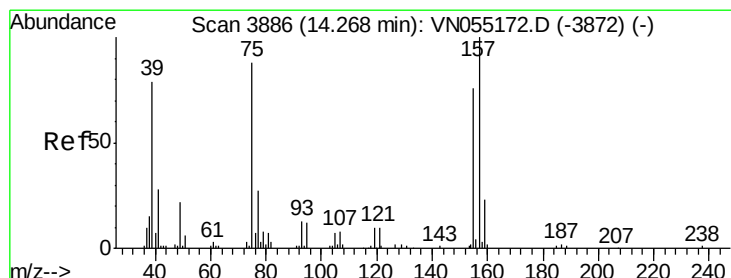
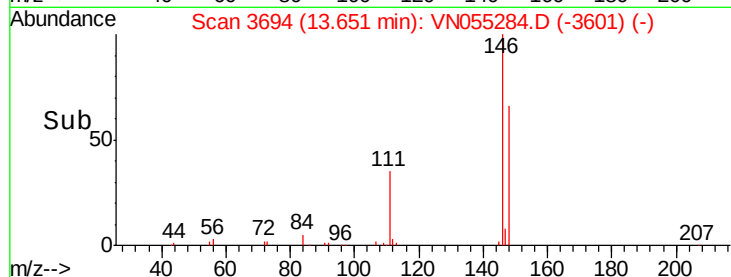
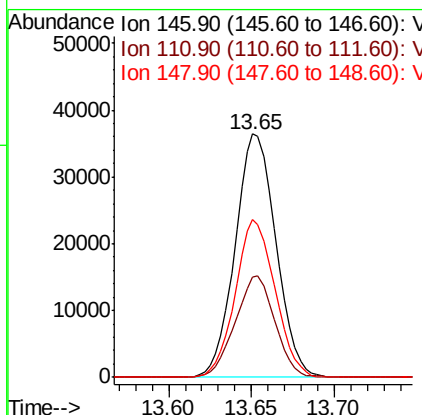
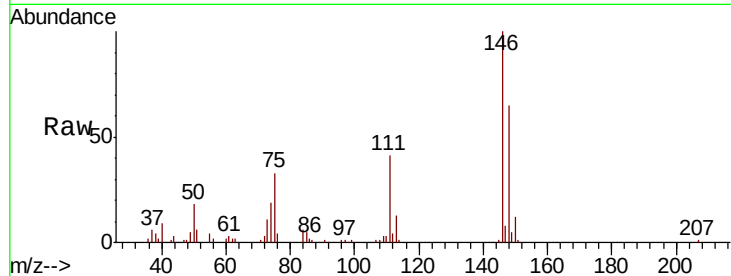




#91
 1,2-Dichlorobenzene
 Concen: 10.299 ug/l
 RT: 13.65 min Scan# 3694
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

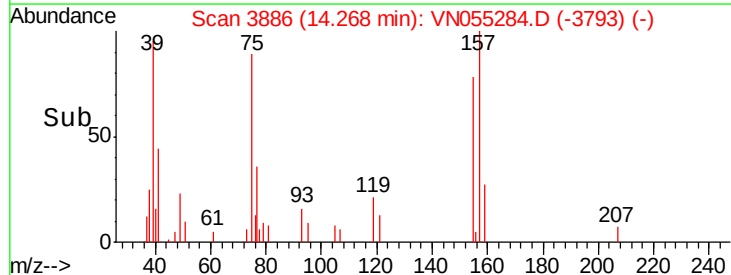
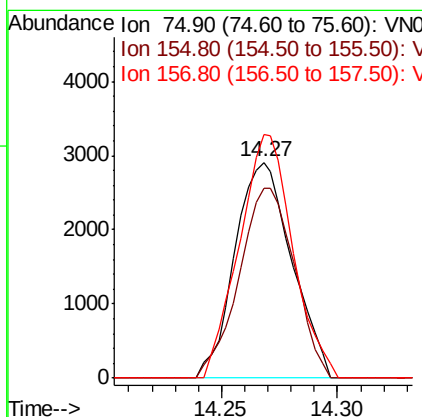
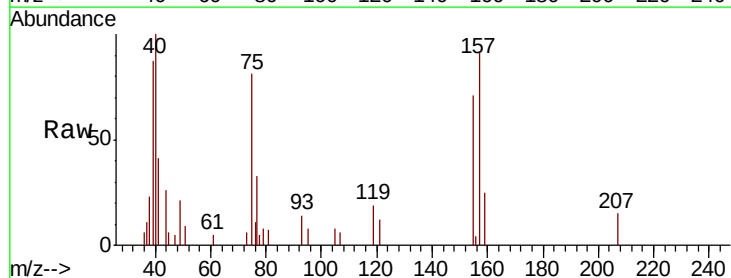
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC010

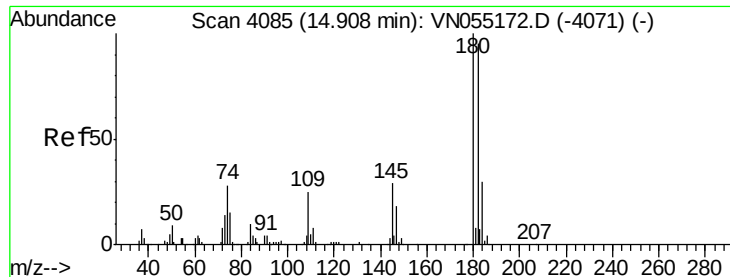
Tgt Ion: 146 Resp: 62517
 Ion Ratio Lower Upper
 146 100
 111 40.5 20.3 61.0
 148 62.9 32.4 97.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 9.278 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055284.D
 Acq: 29 Apr 2019 10:42

Tgt Ion: 75 Resp: 4947
 Ion Ratio Lower Upper
 75 100
 155 85.9 41.5 124.6
 157 106.8 54.0 162.2





#93

1,2,4-Trichlorobenzene

Concen: 7.128 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC010

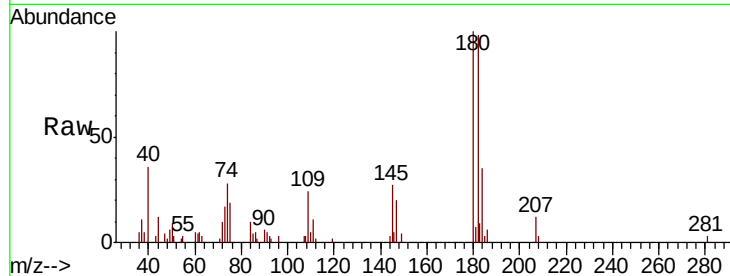
Tgt Ion:180 Resp: 15043

Ion Ratio Lower Upper

180 100

182 97.1 48.3 144.9

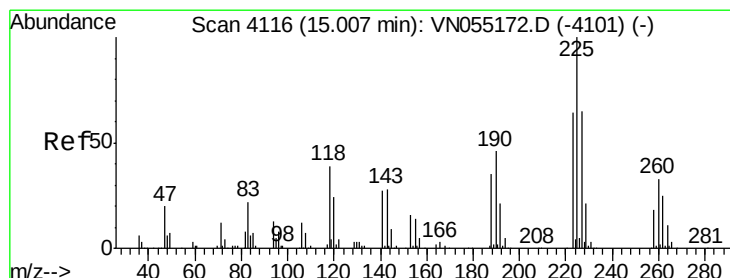
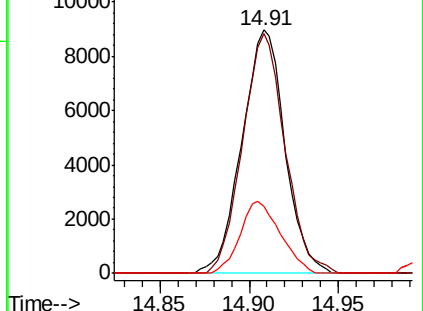
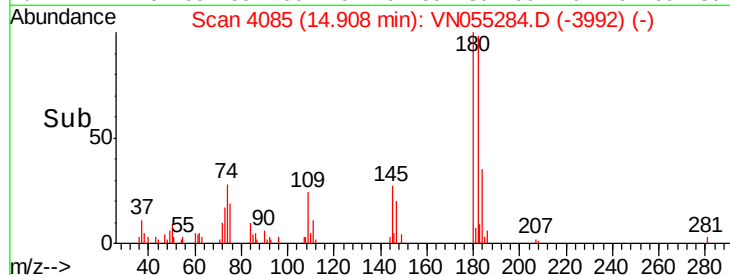
145 27.6 14.2 42.6



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



#94

Hexachlorobutadiene

Concen: 10.072 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055284.D

Acq: 29 Apr 2019 10:42

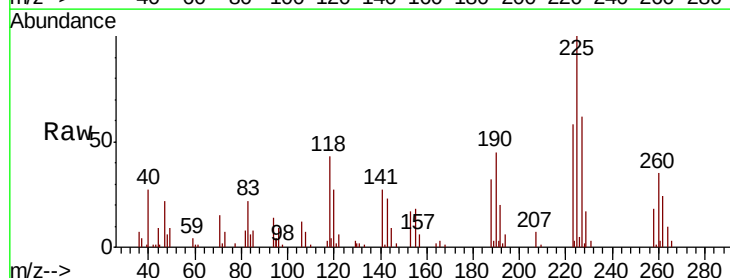
Tgt Ion:225 Resp: 22098

Ion Ratio Lower Upper

225 100

223 60.1 30.3 90.8

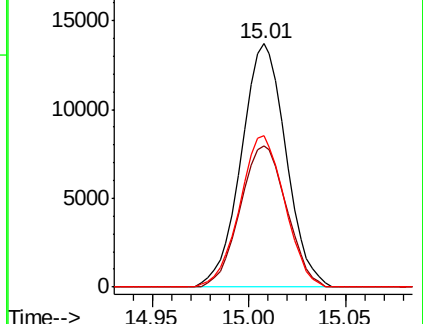
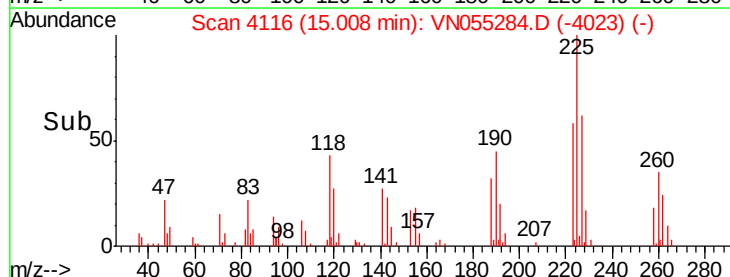
227 62.5 30.9 92.7

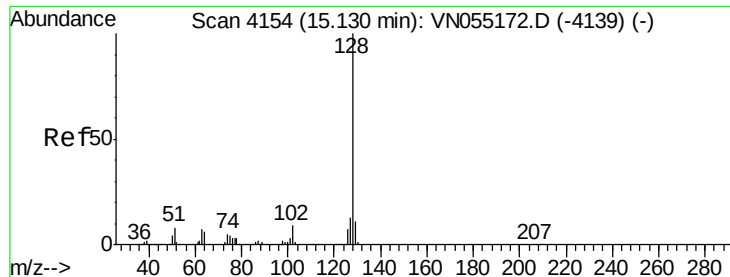


Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V

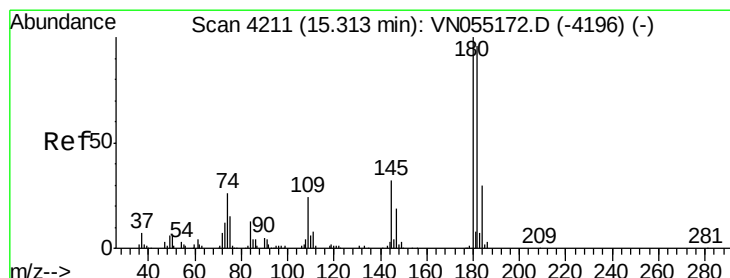
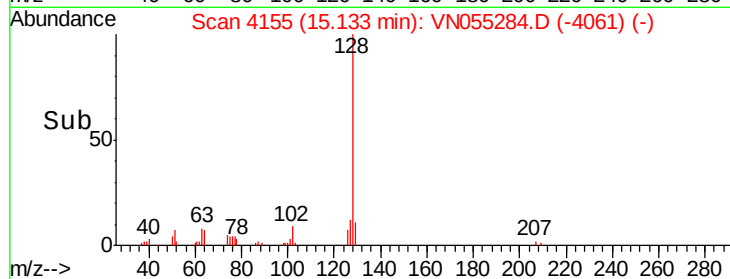
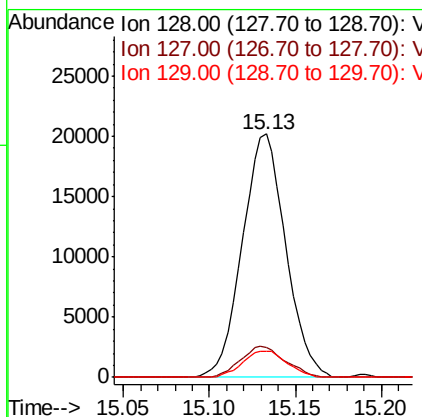
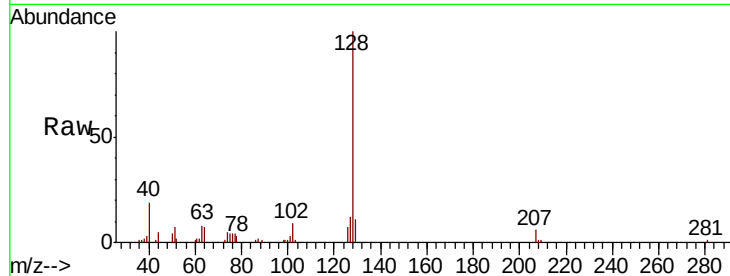




#95
Naphthalene
Concen: 7.945 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC010

Tgt Ion:128 Resp: 35315
Ion Ratio Lower Upper
128 100
127 13.1 10.7 16.1
129 11.1 8.6 13.0



#96
1,2,3-Trichlorobenzene
Concen: 7.773 ug/l
RT: 15.31 min Scan# 4211
Delta R.T. 0.00 min
Lab File: VN055284.D
Acq: 29 Apr 2019 10:42

Tgt Ion:180 Resp: 17035
Ion Ratio Lower Upper
180 100
182 100.0 48.3 144.9
145 35.3 15.2 45.6

