

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055169.D
 Acq On : 22 Apr 2019 9:22
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 23 05:00:57 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	428921	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	689081	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	567665	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	149551	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	8592	1.36	ug/l	0.00
Spiked Amount			Recovery	=	2.72%	
35) Dibromofluoromethane	7.59	113	5651	1.14	ug/l	0.00
Spiked Amount			Recovery	=	2.28%	
50) Toluene-d8	10.09	98	23757	1.33	ug/l	0.00
Spiked Amount			Recovery	=	2.66%	
62) 4-Bromofluorobenzene	12.40	95	6747	1.20	ug/l	0.00
Spiked Amount			Recovery	=	2.40%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	3643	0.660	ug/l	93
3) Chloromethane	2.06	50	5279	0.780	ug/l	90
4) Vinyl Chloride	2.19	62	3713	0.685	ug/l	96
5) Bromomethane	2.56	94	2436	0.775	ug/l	94
6) Chloroethane	2.71	64	2396	0.817	ug/l	93
7) Trichlorofluoromethane	3.02	101	5905	0.800	ug/l #	81
8) Diethyl Ether	3.42	74	1985	0.754	ug/l	82
9) 1,1,2-Trichlorotrifluoroet	3.75	101	3409	0.740	ug/l #	90
10) Methyl Iodide	3.95	142	4022	0.650	ug/l #	94
11) Tert butyl alcohol	4.79	59	580	1.741	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	3620	0.820	ug/l #	71
13) Acrolein	3.62	56	1667	3.676	ug/l #	82
14) Allyl chloride	4.32	41	5026	0.576	ug/l #	73
15) Acrylonitrile	5.00	53	2854	1.535	ug/l #	45
16) Acetone	3.82	43	6866	3.578	ug/l	93
17) Carbon Disulfide	4.06	76	8879	0.720	ug/l #	94
18) Methyl Acetate	4.34	43	6280	1.186	ug/l #	64
19) Methyl tert-butyl Ether	5.06	73	8383	0.687	ug/l	99
20) Methylene Chloride	4.55	84	4785	0.867	ug/l #	90
21) trans-1,2-Dichloroethene	5.06	96	3463	0.748	ug/l #	49
22) Diisopropyl ether	5.96	45	12667	0.728	ug/l	99
23) Vinyl Acetate	5.90	43	34524	2.954	ug/l	98
24) 1,1-Dichloroethane	5.86	63	6815	0.729	ug/l #	92
25) 2-Butanone	6.85	43	7916	3.195	ug/l	96
26) 2,2-Dichloropropane	6.83	77	4689	0.741	ug/l #	74
27) cis-1,2-Dichloroethene	6.83	96	3787	0.710	ug/l	97
28) Bromochloromethane	7.20	49	4653	0.976	ug/l #	96
29) Tetrahydrofuran	7.22	42	5316	3.414	ug/l #	48
30) Chloroform	7.38	83	7003	0.787	ug/l	94
31) Cyclohexane	7.66	56	14612	1.361	ug/l #	27
32) 1,1,1-Trichloroethane	7.56	97	5402	0.756	ug/l #	44
36) 1,1-Dichloropropene	7.79	75	4535	0.709	ug/l	98
38) Carbon Tetrachloride	7.77	117	5690	0.890	ug/l #	90
39) Methylcyclohexane	9.08	83	4846	0.635	ug/l	91

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	14682	0.744	ug/l	96
41) Methacrylonitrile	7.17	41	1565	0.594	ug/l #	77
42) 1,2-Dichloroethane	8.12	62	5040	0.732	ug/l	95
43) Isopropyl Acetate	8.17	43	5520	0.660	ug/l #	83
44) Trichloroethene	8.83	130	3666	0.735	ug/l	84
45) 1,2-Dichloropropane	9.11	63	3700	0.664	ug/l	91
46) Dibromomethane	9.21	93	2214	0.694	ug/l	98
47) Bromodichloromethane	9.40	83	4811	0.753	ug/l #	89
48) Methyl methacrylate	9.20	41	2432	0.600	ug/l #	74
49) 1,4-Dioxane	9.20	88	749	15.997	ug/l #	75
51) 4-Methyl-2-Pentanone	9.98	43	16191	3.366	ug/l	95
52) Toluene	10.16	92	7907	0.683	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	3554	0.606	ug/l	97
54) cis-1,3-Dichloropropene	9.84	75	4363	0.600	ug/l #	81
55) 1,1,2-Trichloroethane	10.56	97	3182	0.746	ug/l #	91
56) Ethyl methacrylate	10.43	69	2941	0.553	ug/l #	75
57) 1,3-Dichloropropane	10.71	76	5483	0.739	ug/l	89
58) 2-Chloroethyl Vinyl ether	9.69	63	6159	3.594	ug/l	99
59) 2-Hexanone	10.75	43	8058	2.652	ug/l	90
60) Dibromochloromethane	10.90	129	3125	0.711	ug/l	98
61) 1,2-Dibromoethane	11.00	107	2366	0.590	ug/l	95
64) Tetrachloroethene	10.63	164	3686	0.796	ug/l	96
65) Chlorobenzene	11.43	112	9043	0.780	ug/l #	85
66) 1,1,1,2-Tetrachloroethane	11.50	131	3451	0.804	ug/l #	61
67) Ethyl Benzene	11.51	91	14941	0.724	ug/l	99
68) m/p-Xylenes	11.62	106	10208	1.379	ug/l	100
69) o-Xylene	11.95	106	4846	0.660	ug/l	96
70) Styrene	11.97	104	7166	0.629	ug/l	97
71) Bromoform	12.12	173	1826	0.713	ug/l #	86
73) Isopropylbenzene	12.25	105	13673	0.952	ug/l	96
74) N-amyl acetate	12.08	43	3744	0.971	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	3435	0.904	ug/l	91
76) 1,2,3-Trichloropropane	12.55	75	3937	1.405	ug/l #	100
77) Bromobenzene	12.52	156	2726	0.826	ug/l	85
78) n-propylbenzene	12.59	91	12207	0.814	ug/l	96
79) 2-Chlorotoluene	12.67	91	8506	0.898	ug/l	95
80) 1,3,5-Trimethylbenzene	12.73	105	9221	0.824	ug/l	95
81) trans-1,4-Dichloro-2-buten	12.30	75	477	0.596	ug/l #	56
82) 4-Chlorotoluene	12.77	91	6629	0.761	ug/l	95
83) tert-Butylbenzene	12.99	119	8432	0.842	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	8416	0.797	ug/l	99
85) sec-Butylbenzene	13.17	105	9918	0.783	ug/l	99
86) p-Isopropyltoluene	13.29	119	7844	0.752	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	4198	0.828	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	4198	0.851	ug/l	96
89) n-Butylbenzene	13.61	91	4602	0.595	ug/l	97
90) Hexachloroethane	13.87	117	1807	0.976	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	3618	0.695	ug/l	93
93) 1,2,4-Trichlorobenzene	14.91	180	963	0.524	ug/l #	88
94) Hexachlorobutadiene	15.01	225	1730	0.929	ug/l	84

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Instrument :
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QLast Update : Tue Apr 23 04:56:29 2019
Response via : Initial Calibration

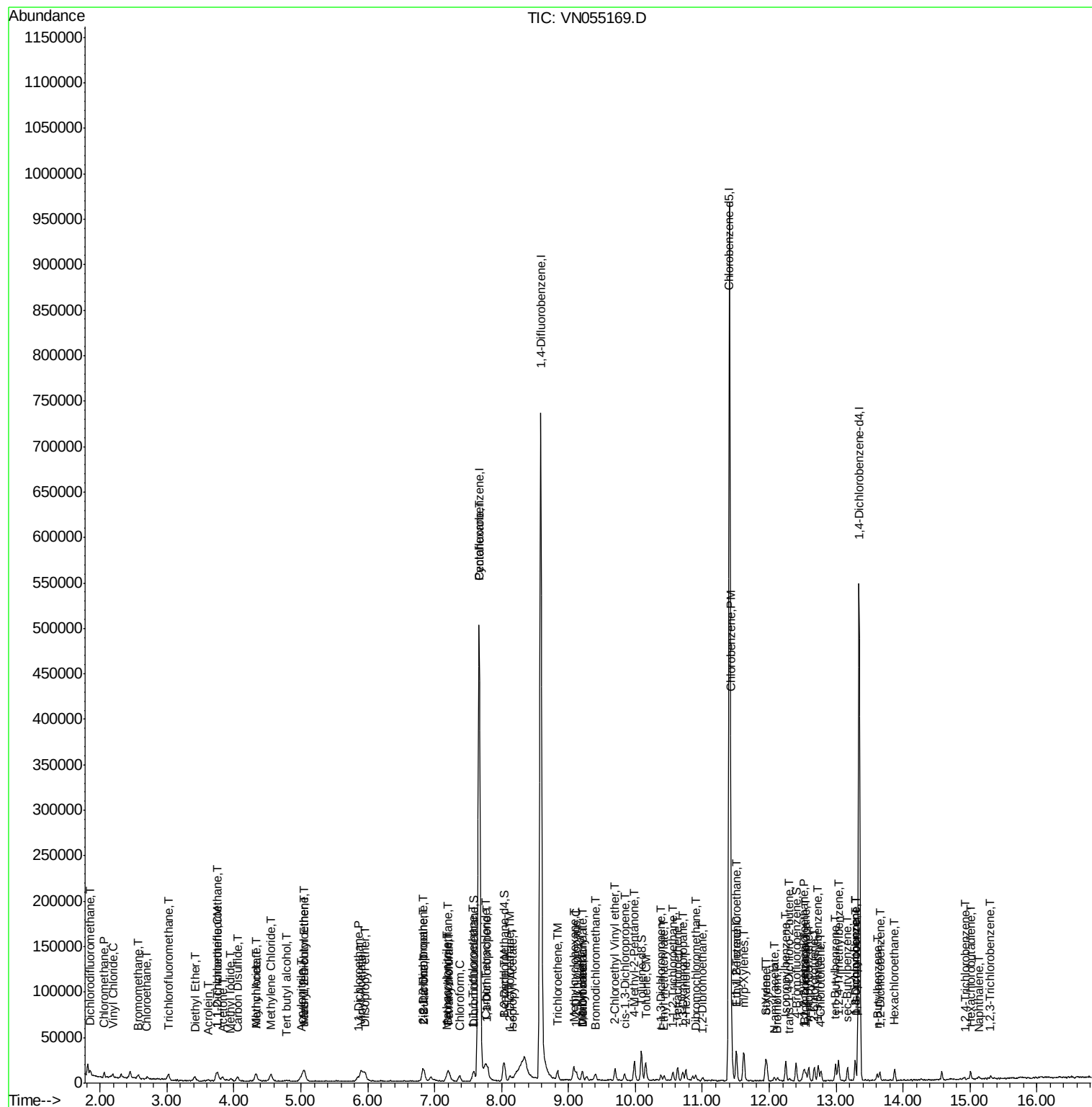
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	2556	0.658	ug/l #	78
96) 1,2,3-Trichlorobenzene	15.31	180	904	0.473	ug/l #	79

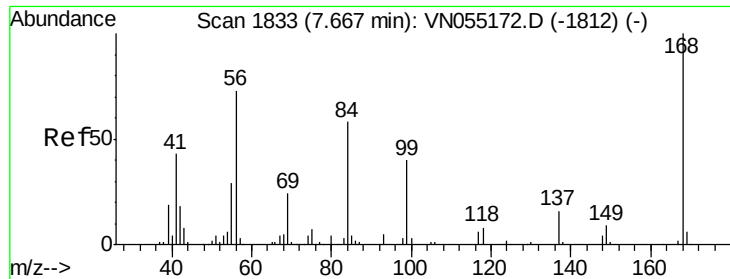
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

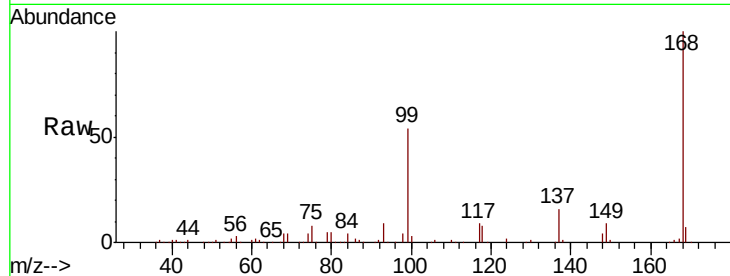
VSTDIC001

Tot Ion:168 Resp: 428921

Ion Ratio Lower Upper

168 100

99 54.2 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

150000

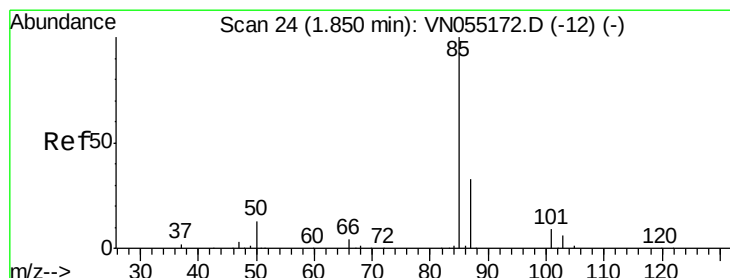
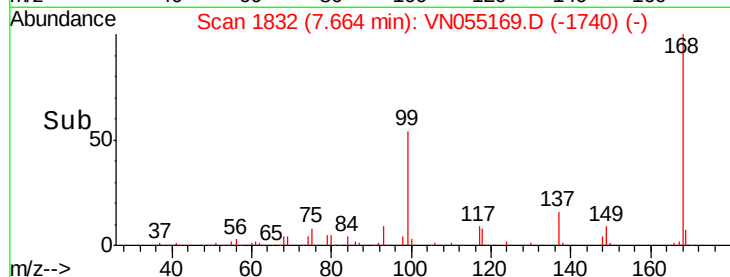
100000

50000

0

7.60 7.70 7.80

Time-->



#2

Dichlorodifluoromethane

Concen: 0.660 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055169.D

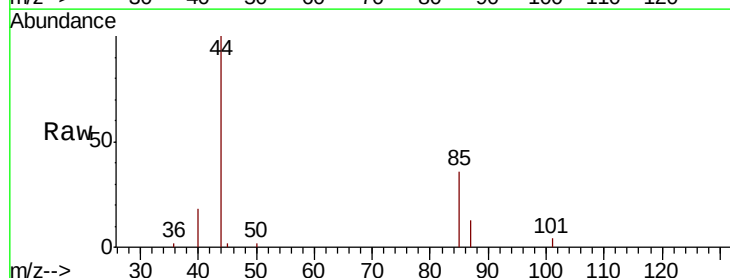
Acq: 22 Apr 2019 9:22

Tgt Ion: 85 Resp: 3643

Ion Ratio Lower Upper

85 100

87 36.9 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN0

Ion 86.90 (86.60 to 87.60): VN0

1.85

3000

2500

2000

1500

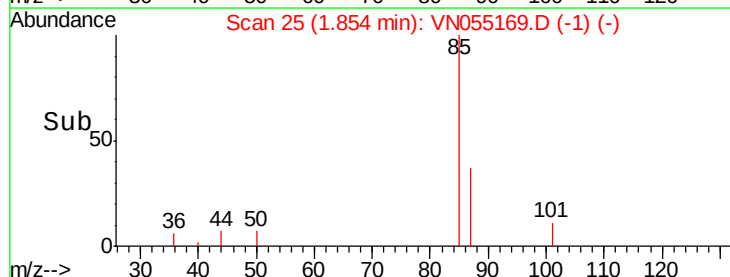
1000

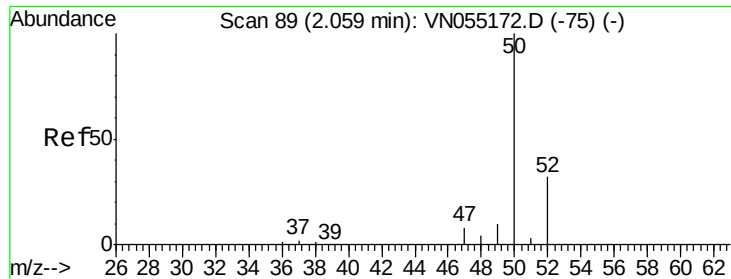
500

0

1.85 1.90

Time-->





#3

Chloromethane

Concen: 0.780 ug/l

RT: 2.06 min Scan# 89

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

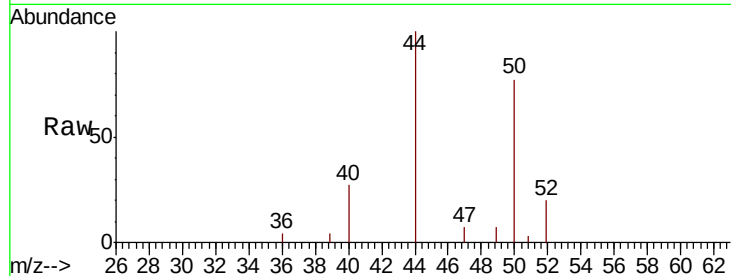
VSTDIC001

Tot Ion: 50 Resp: 5279

Ion Ratio Lower Upper

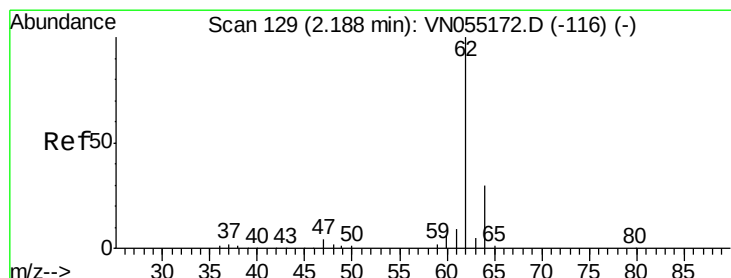
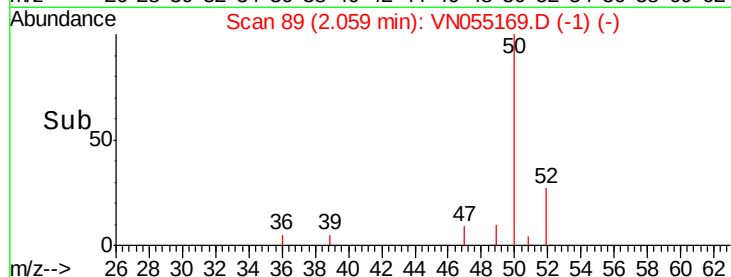
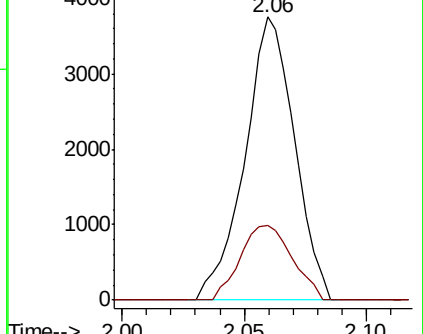
50 100

52 26.5 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 0.685 ug/l

RT: 2.19 min Scan# 130

Delta R.T. 0.00 min

Lab File: VN055169.D

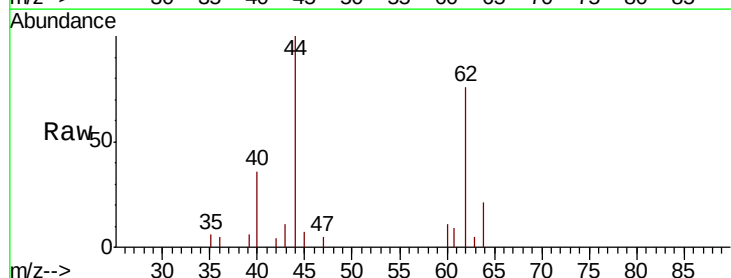
Acq: 22 Apr 2019 9:22

Tgt Ion: 62 Resp: 3713

Ion Ratio Lower Upper

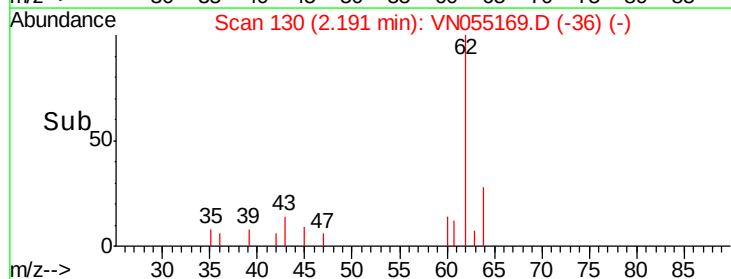
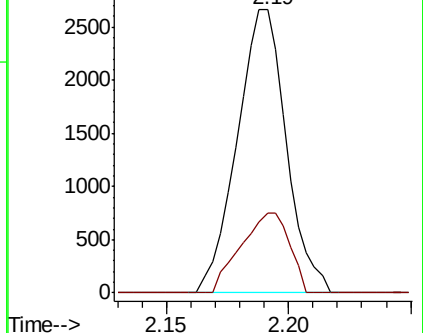
62 100

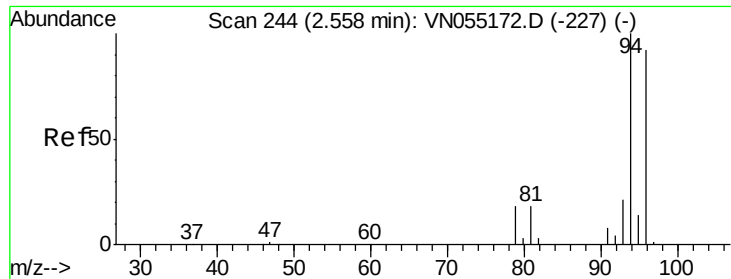
64 28.2 24.2 36.4



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 0.775 ug/l

RT: 2.56 min Scan# 246

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

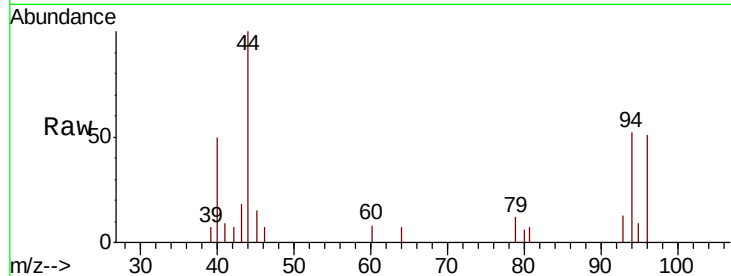
VSTDIC001

Tot Ion: 94 Resp: 2436

Ion Ratio Lower Upper

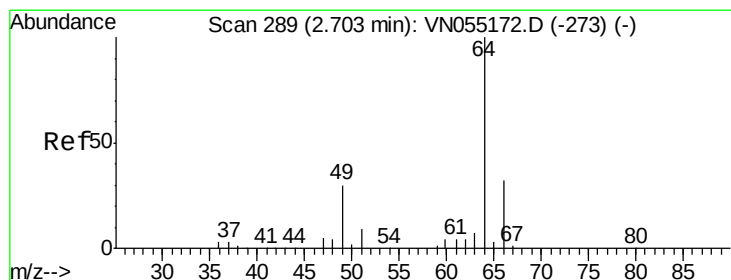
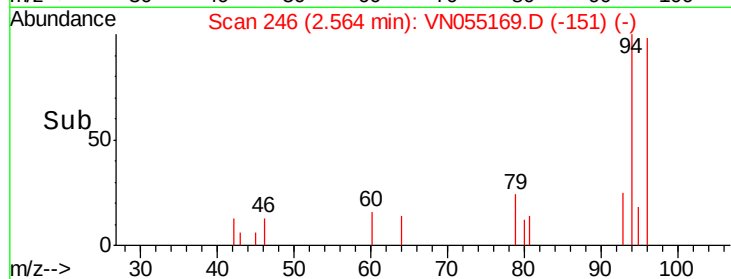
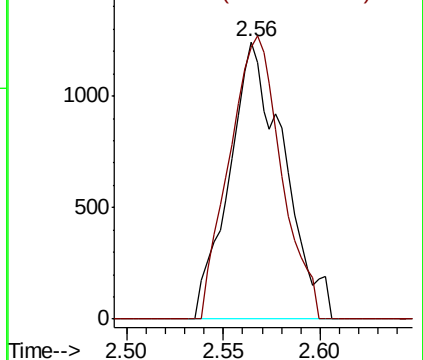
94 100

96 97.8 73.4 110.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 0.817 ug/l

RT: 2.71 min Scan# 290

Delta R.T. 0.00 min

Lab File: VN055169.D

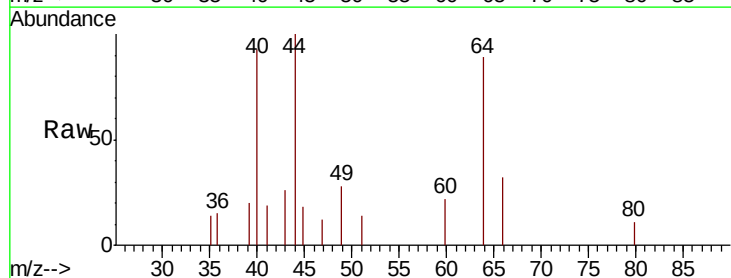
Acq: 22 Apr 2019 9:22

Tgt Ion: 64 Resp: 2396

Ion Ratio Lower Upper

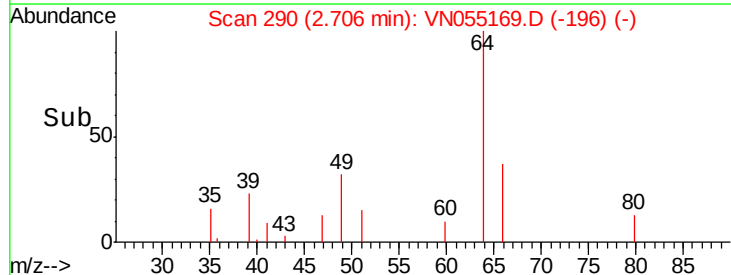
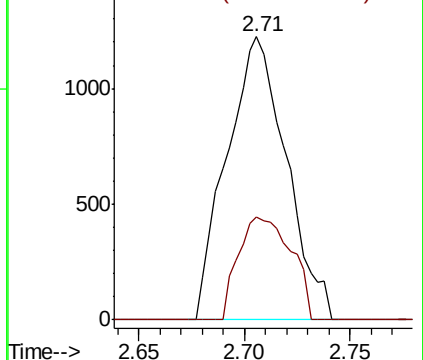
64 100

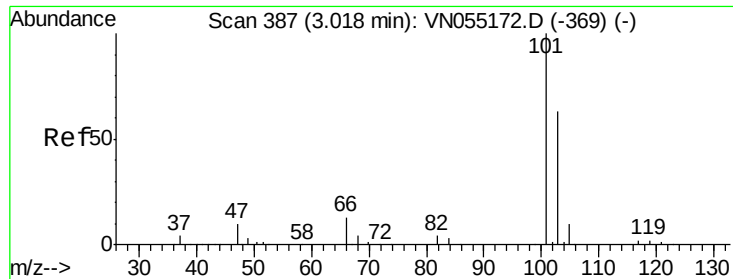
66 36.5 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



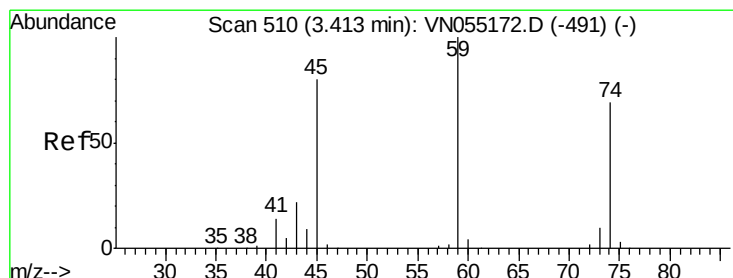
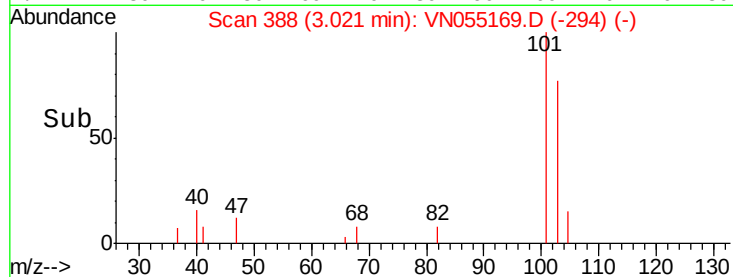
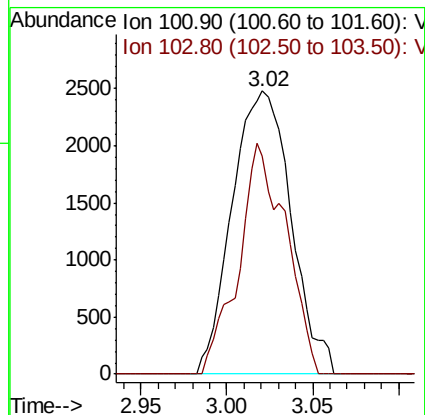
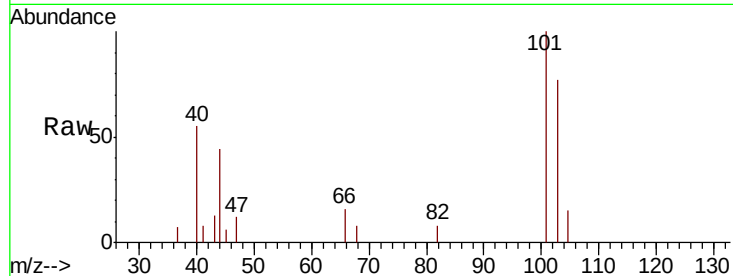


#7

Trichlorofluoromethane
Concen: 0.800 ug/l
RT: 3.02 min Scan# 388
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

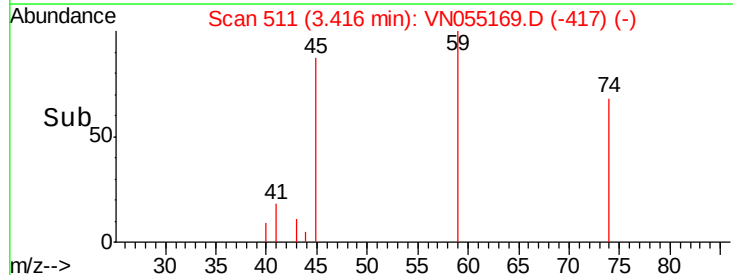
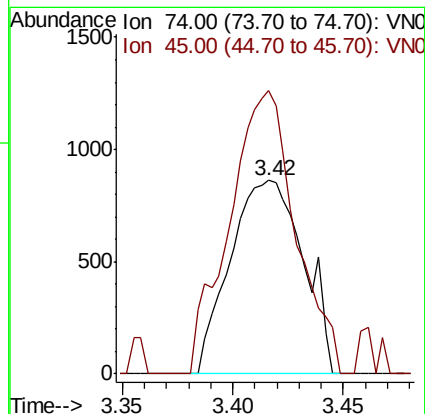
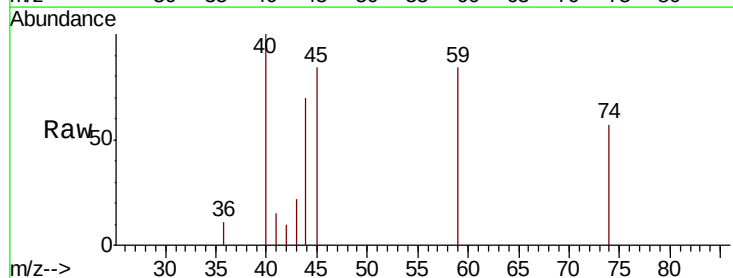
Tot Ion:101 Resp: 5905
Ion Ratio Lower Upper
101 100
103 77.2 50.1 75.1#

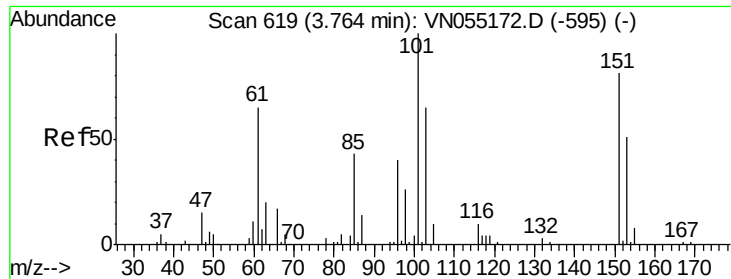


#8

Diethyl Ether
Concen: 0.754 ug/l
RT: 3.42 min Scan# 511
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 74 Resp: 1985
Ion Ratio Lower Upper
74 100
45 133.0 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 0.740 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

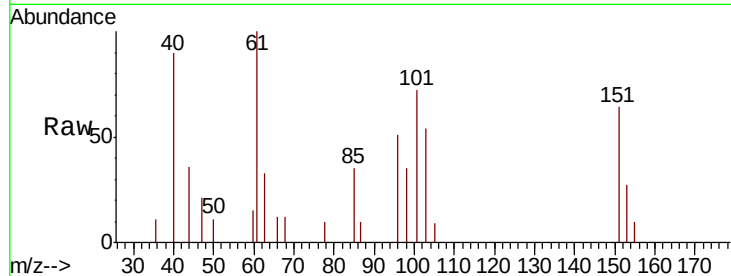
Tot Ion:101 Resp: 3409

Ion Ratio Lower Upper

101 100

85 29.3 34.9 52.3#

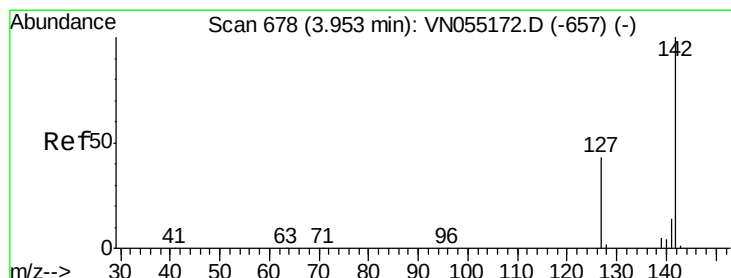
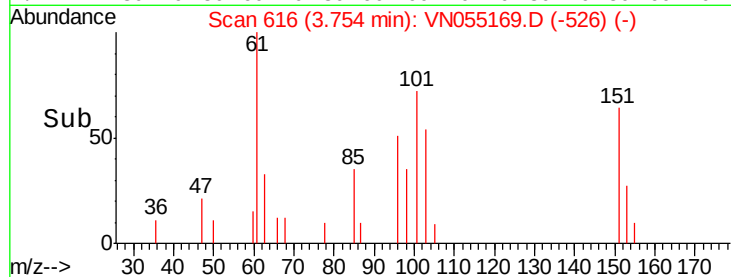
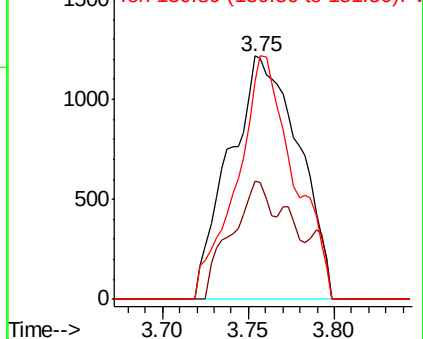
151 82.2 63.8 95.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.650 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

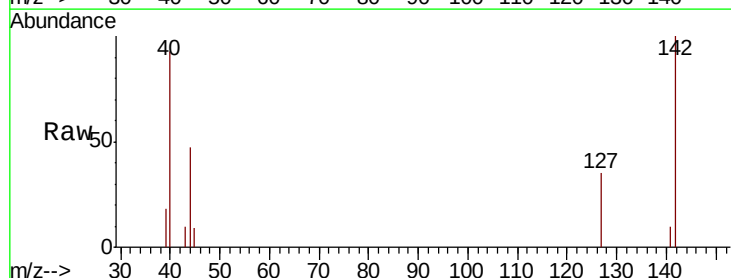
Tgt Ion:142 Resp: 4022

Ion Ratio Lower Upper

142 100

127 41.9 34.1 51.1

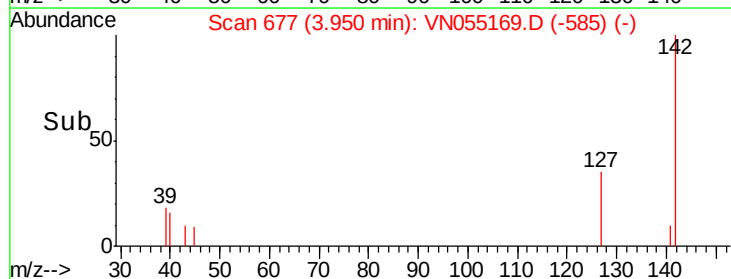
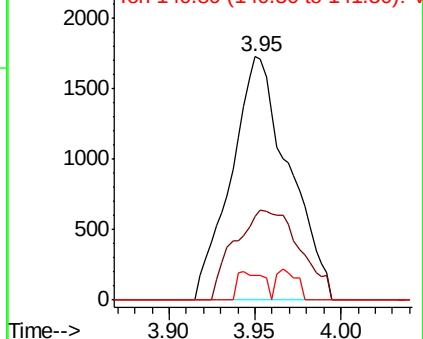
141 5.1 11.4 17.2#

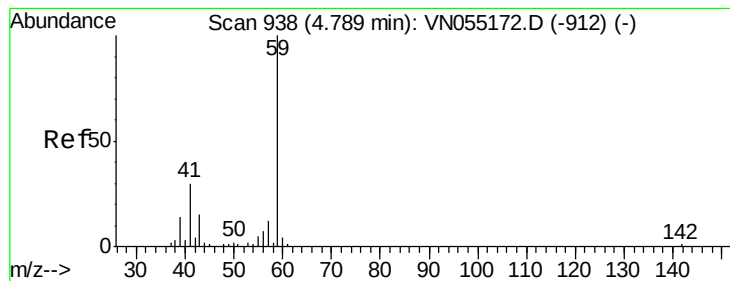


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V





#11

Tert butyl alcohol

Concen: 1.741 ug/l

RT: 4.79 min Scan# 939

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

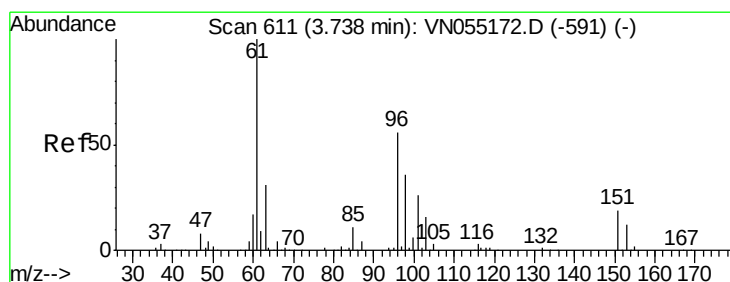
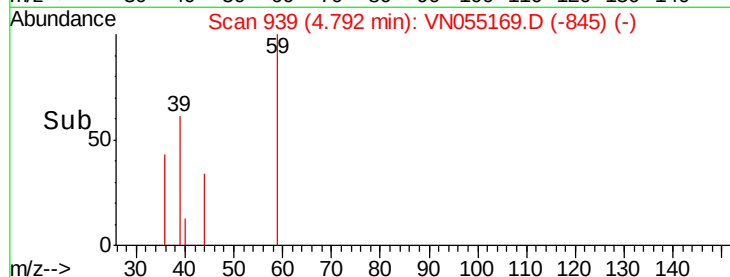
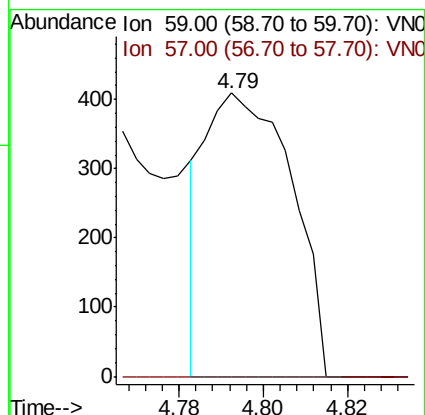
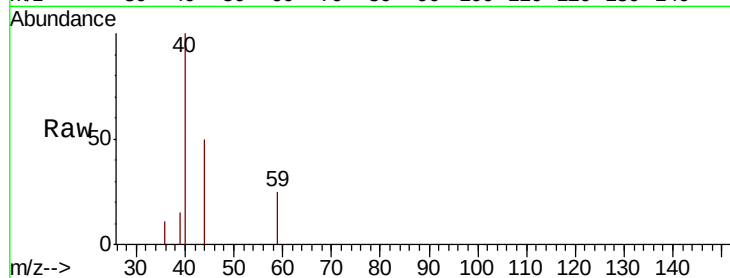
VSTDIC001

Tot Ion: 59 Resp: 580

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



#12

1,1-Dichloroethene

Concen: 0.820 ug/l

RT: 3.74 min Scan# 612

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

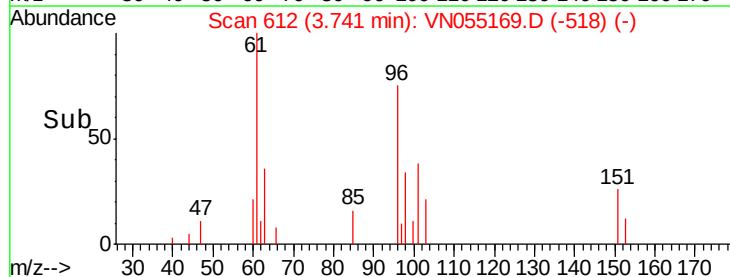
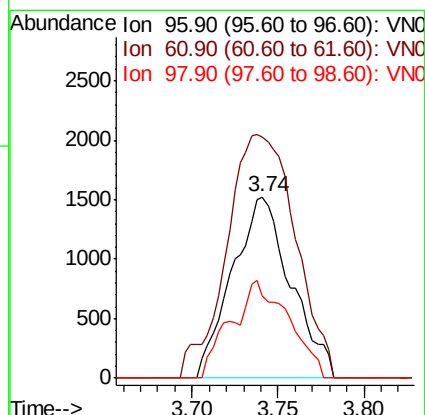
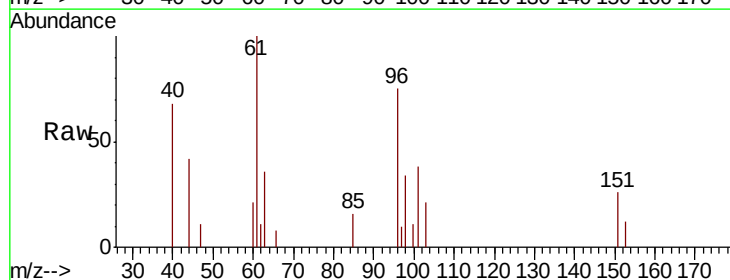
Tgt Ion: 96 Resp: 3620

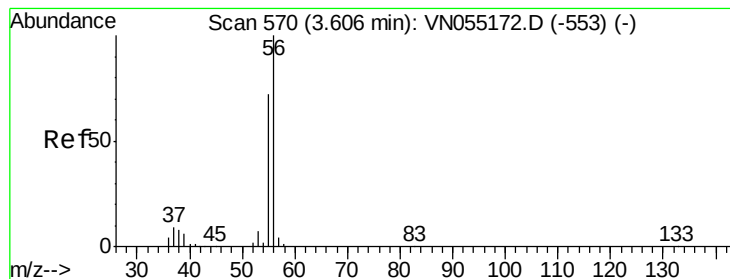
Ion Ratio Lower Upper

96 100

61 133.0 142.1 213.1#

98 45.7 51.2 76.8#





#13

Acrolein

Concen: 3.676 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

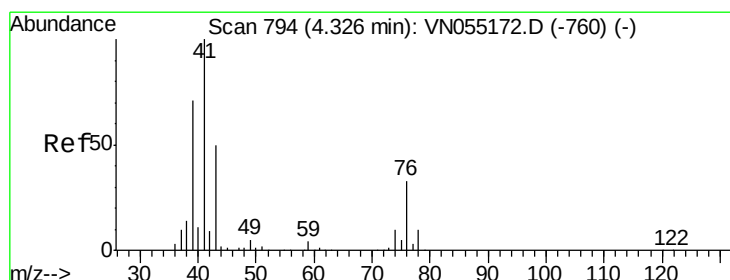
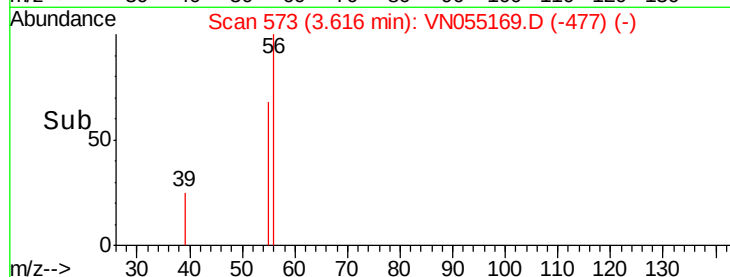
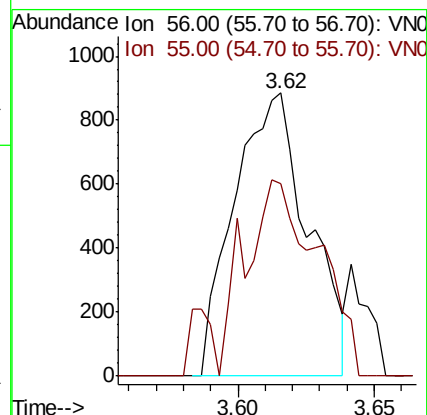
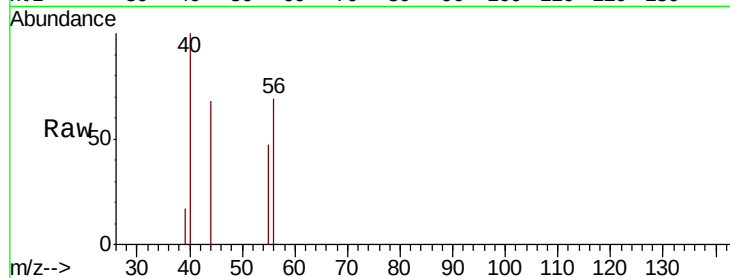
VSTDIC001

Tot Ion: 56 Resp: 1667

Ion Ratio Lower Upper

56 100

55 56.7 57.4 86.0#



#14

Allyl chloride

Concen: 0.576 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

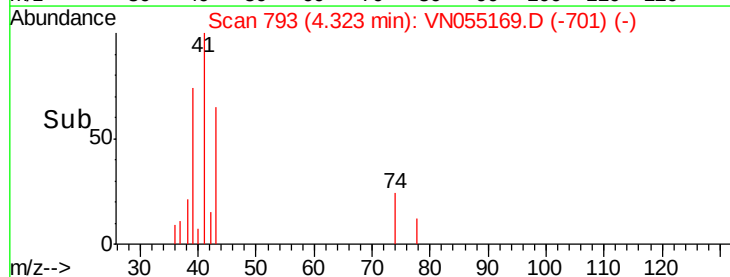
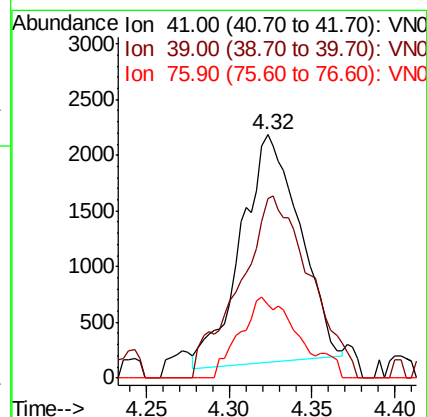
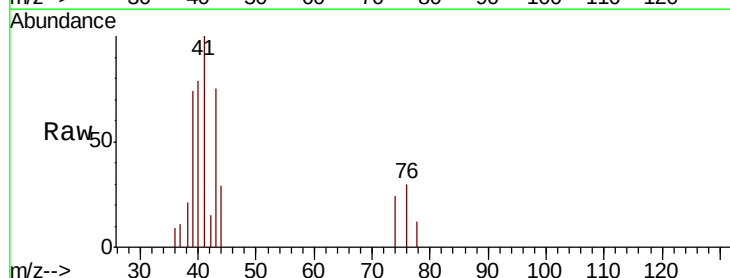
Tgt Ion: 41 Resp: 5026

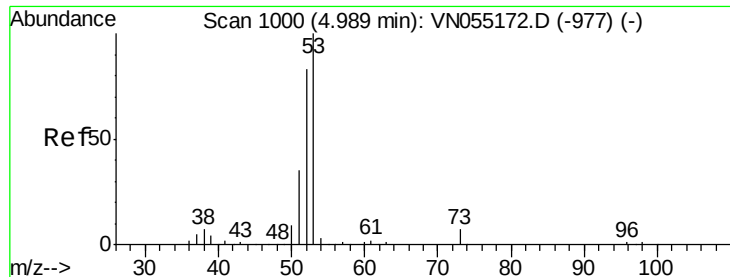
Ion Ratio Lower Upper

41 100

39 95.8 52.9 79.3#

76 32.2 23.6 35.4





#15

Acrylonitrile

Concen: 1.535 ug/l

RT: 5.00 min Scan# 1002

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

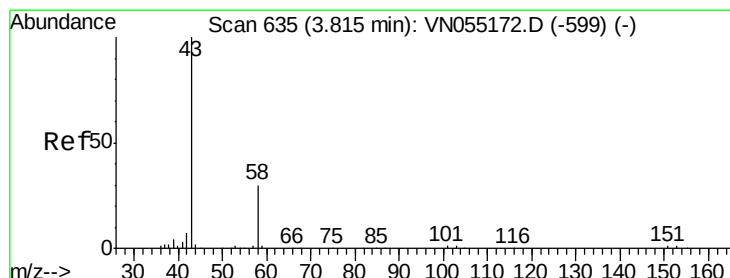
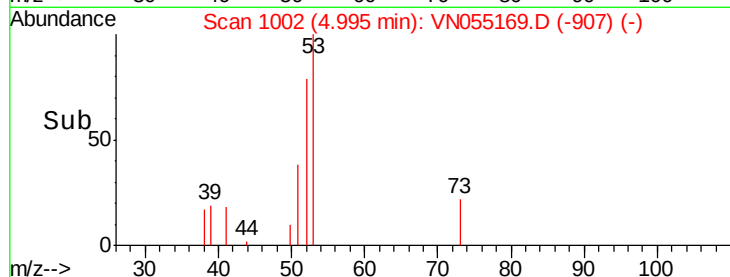
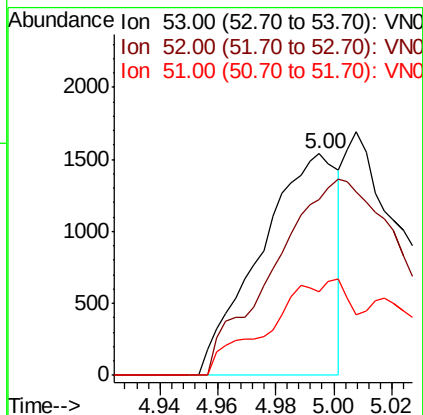
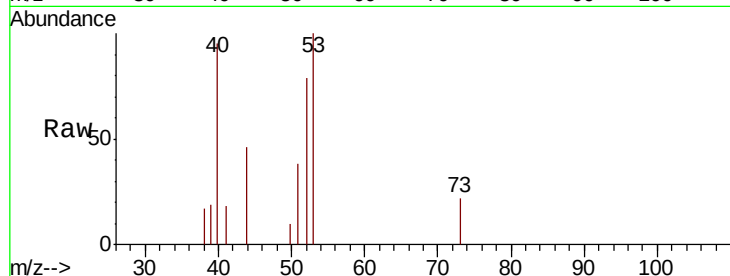
Tot Ion: 53 Resp: 2854

Ion Ratio Lower Upper

53 100

52 147.0 65.8 98.8#

51 45.7 28.9 43.3#



#16

Acetone

Concen: 3.578 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055169.D

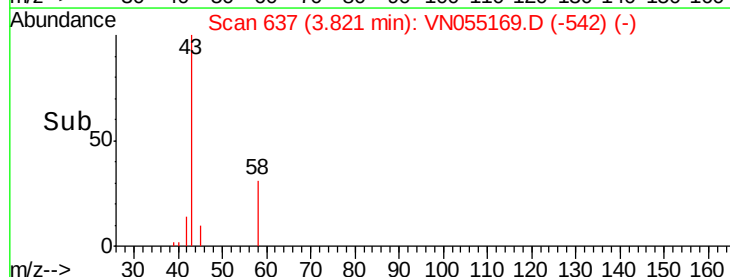
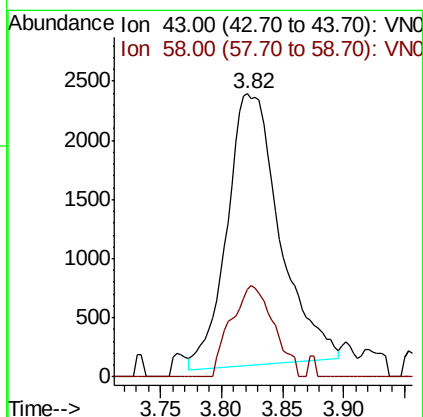
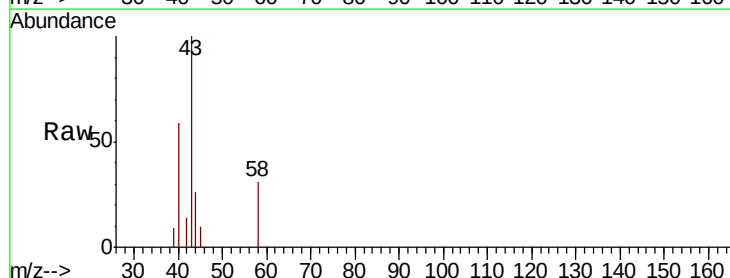
Acq: 22 Apr 2019 9:22

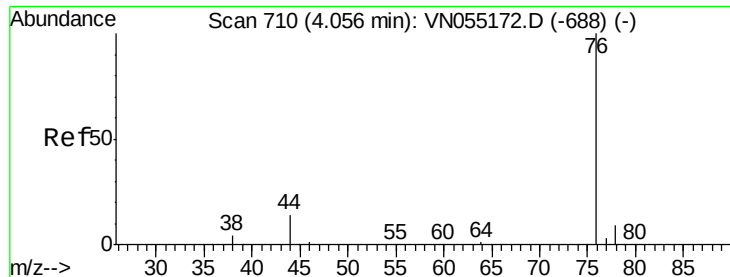
Tgt Ion: 43 Resp: 6866

Ion Ratio Lower Upper

43 100

58 33.3 23.8 35.8

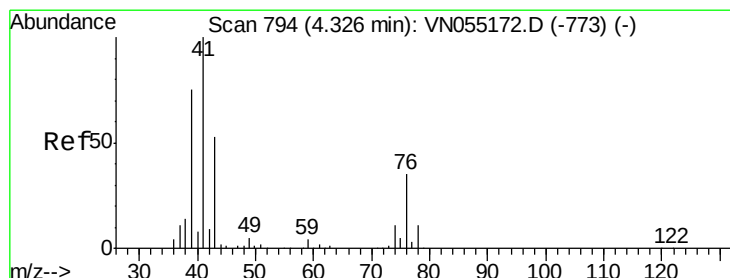
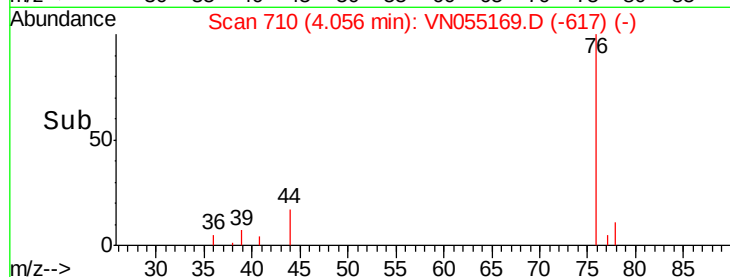
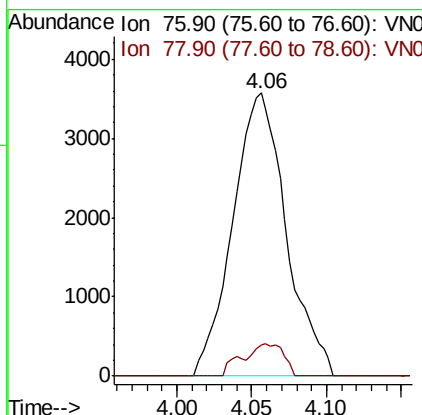
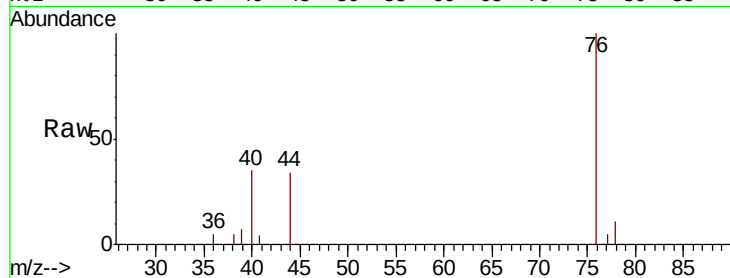




#17
Carbon Disulfide
Concen: 0.720 ug/l
RT: 4.06 min Scan# 710
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

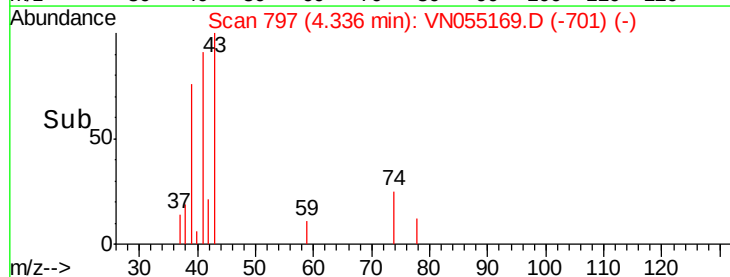
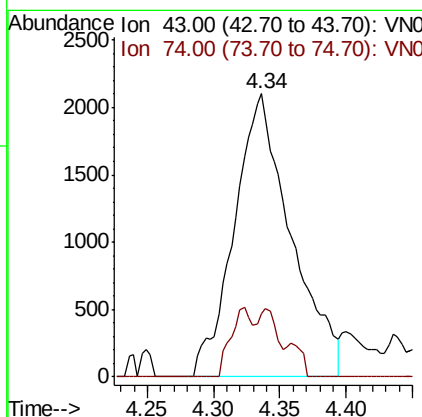
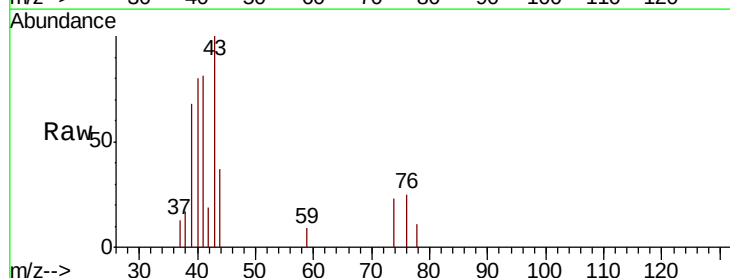
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

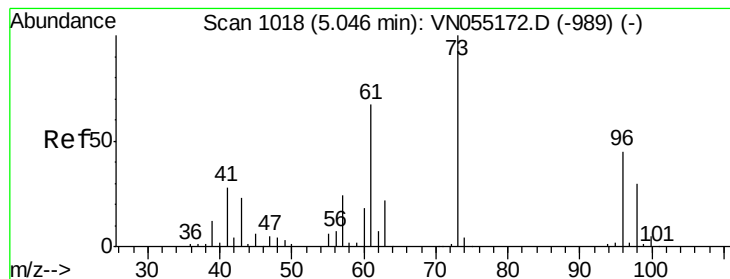
Tot Ion: 76 Resp: 8879
Ion Ratio Lower Upper
76 100
78 11.1 7.3 10.9#



#18
Methyl Acetate
Concen: 1.186 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 43 Resp: 6280
Ion Ratio Lower Upper
43 100
74 4.1 16.7 25.1#



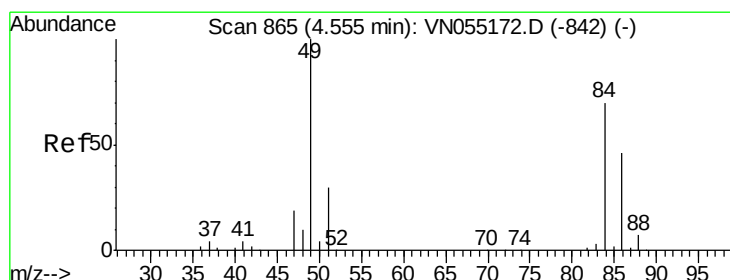
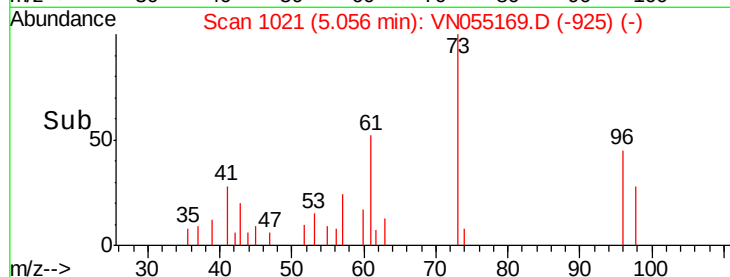
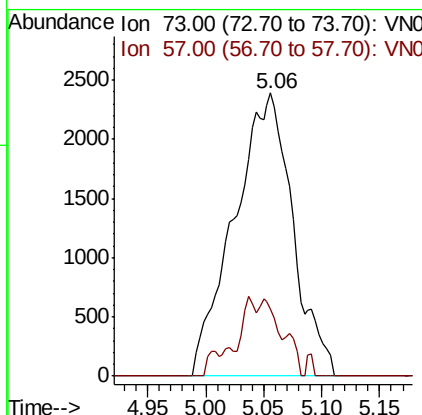
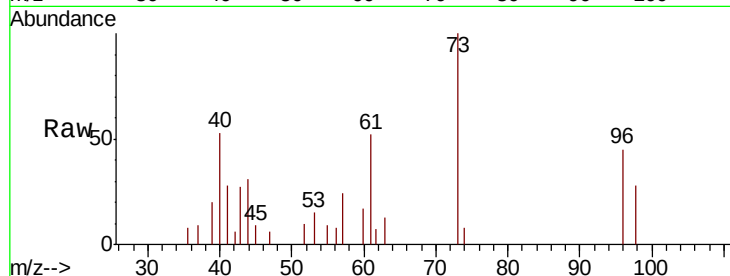


#19

Methvl tert-butyl Ether
 Concen: 0.687 ug/l
 RT: 5.06 min Scan# 1021
 Delta R.T. 0.01 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

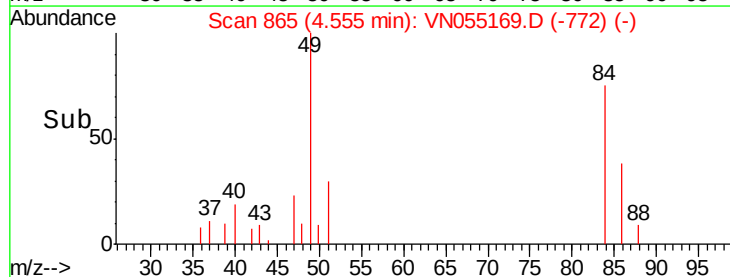
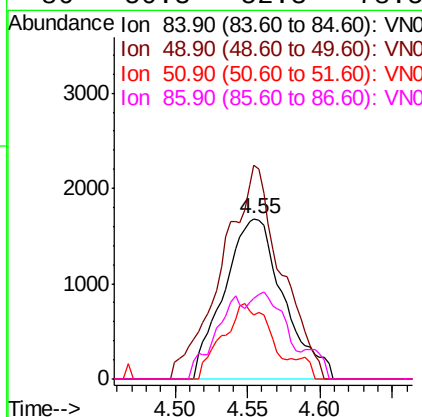
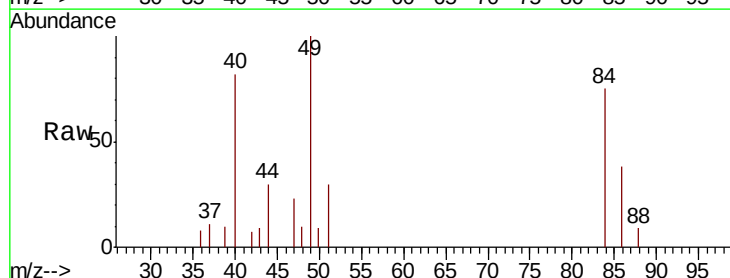
Tot Ion: 73 Resp: 8383
 Ion Ratio Lower Upper
 73 100
 57 23.8 19.5 29.3

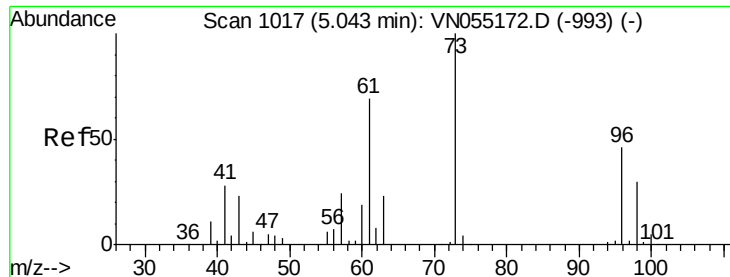


#20

Methylene Chloride
 Concen: 0.867 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 84 Resp: 4785
 Ion Ratio Lower Upper
 84 100
 49 133.5 113.8 170.6
 51 40.0 34.0 51.0
 86 50.3 52.3 78.5#





#21

trans-1,2-Dichloroethene

Concen: 0.748 ug/l

RT: 5.06 min Scan# 1023

Delta R.T. 0.02 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

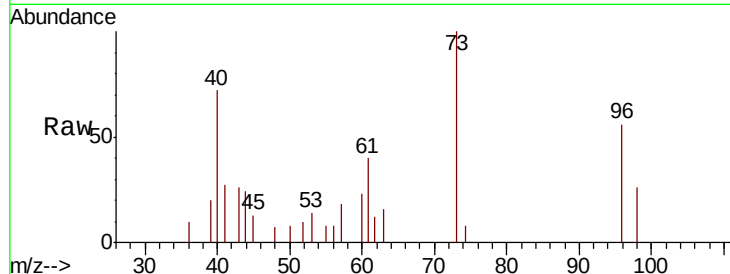
Tot Ion: 96 Resp: 3463

Ion Ratio Lower Upper

96 100

61 70.4 119.3 178.9#

98 46.2 53.0 79.4#

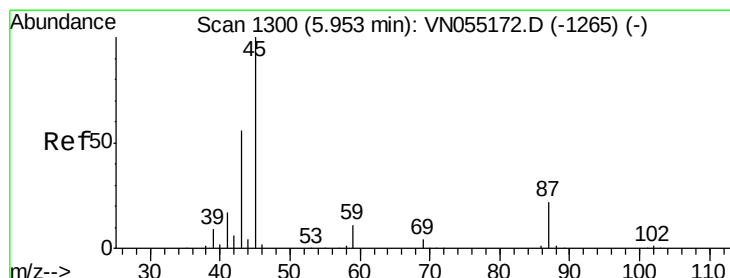
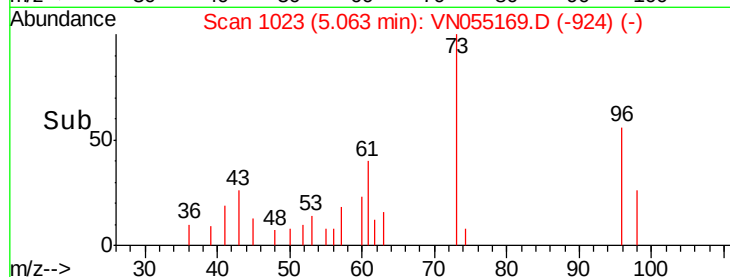
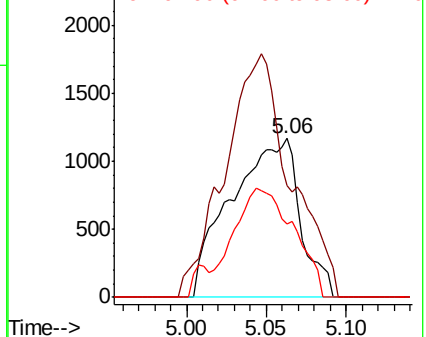


Abundance

Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#22

Diisopropyl ether

Concen: 0.728 ug/l

RT: 5.96 min Scan# 1301

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion: 45 Resp: 12667

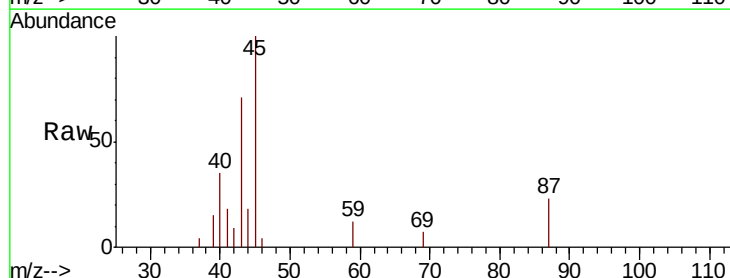
Ion Ratio Lower Upper

45 100

43 60.0 47.4 71.0

87 23.0 18.4 27.6

59 12.4 8.6 12.8



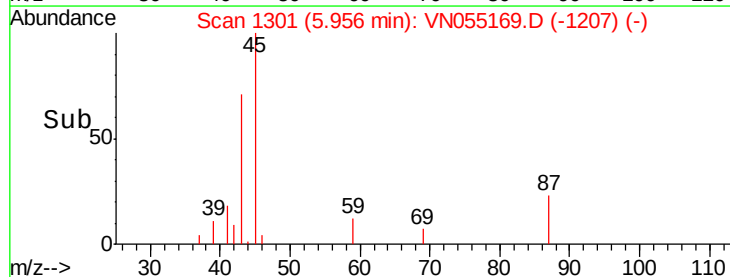
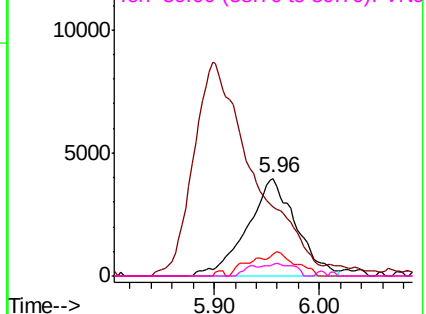
Abundance

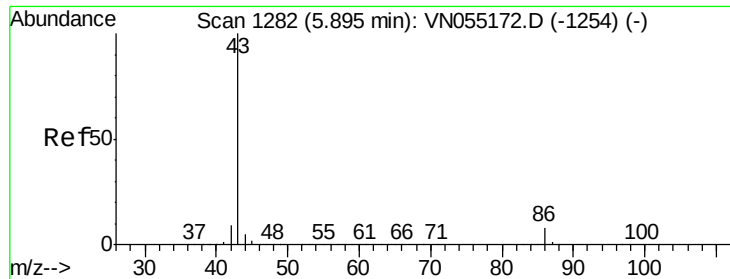
Ion 45.00 (44.70 to 45.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 87.00 (86.70 to 87.70): VN0

Ion 59.00 (58.70 to 59.70): VN0

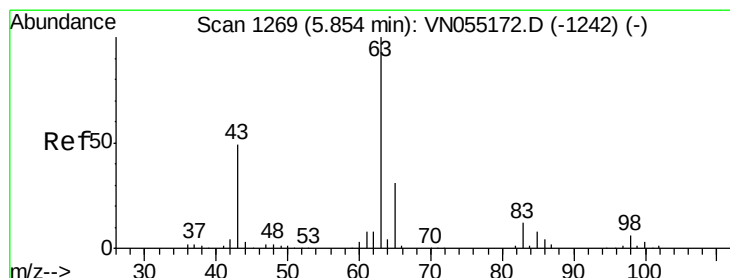
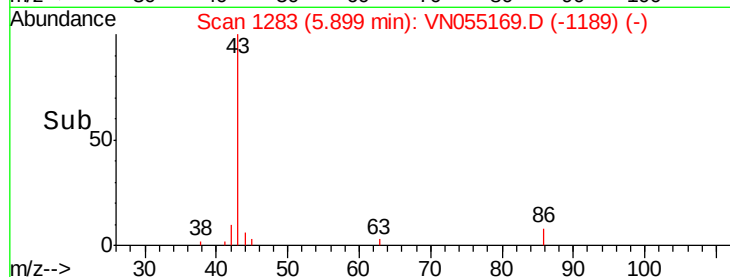
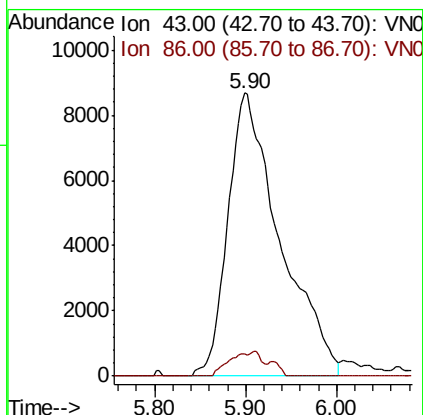
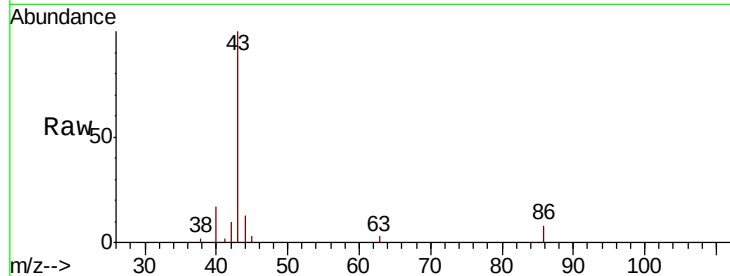




#23
 Vinyl Acetate
 Concen: 2.954 ug/l
 RT: 5.90 min Scan# 1283
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

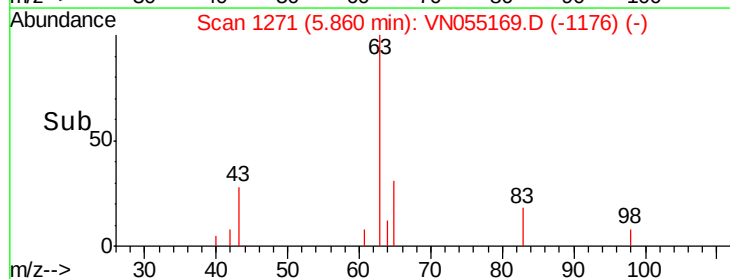
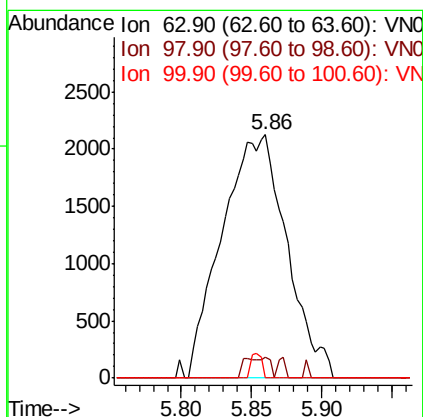
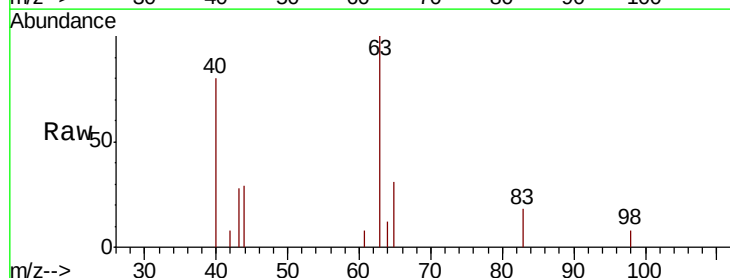
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

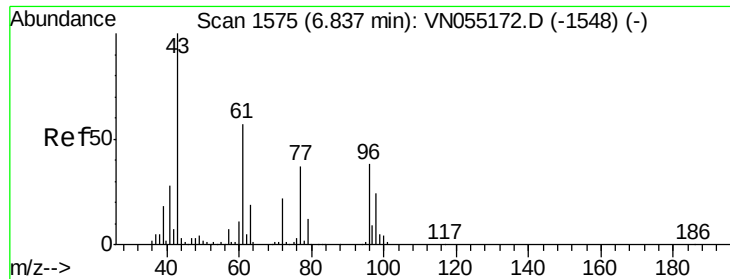
Tot Ion: 43 Resp: 34524
 Ion Ratio Lower Upper
 43 100
 86 7.9 6.8 10.2



#24
 1,1-Dichloroethane
 Concen: 0.729 ug/l
 RT: 5.86 min Scan# 1271
 Delta R.T. 0.01 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 63 Resp: 6815
 Ion Ratio Lower Upper
 63 100
 98 8.4 3.1 9.3
 100 0.0 1.8 5.3#

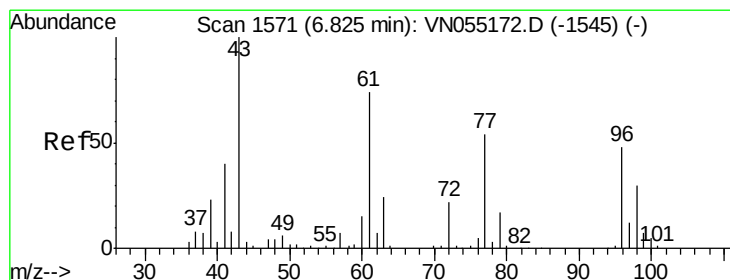
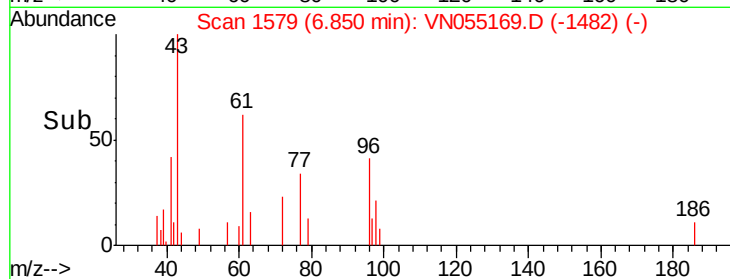
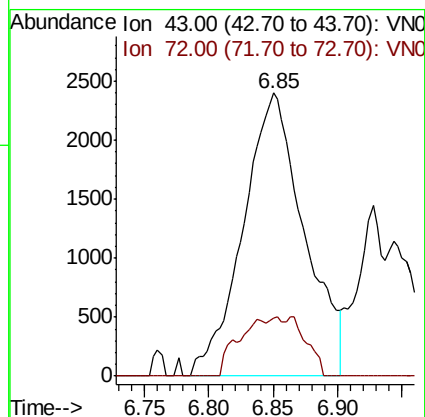
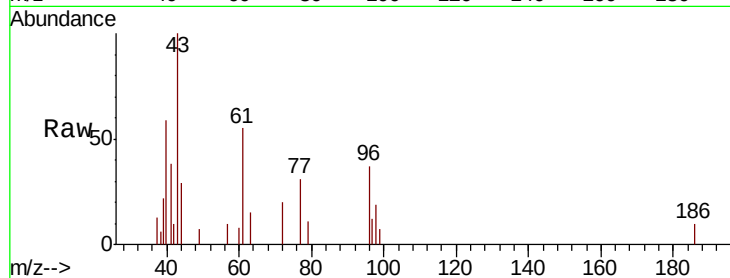




#25
 2-Butanone
 Concen: 3.195 ug/l
 RT: 6.85 min Scan# 1579
 Delta R.T. 0.01 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

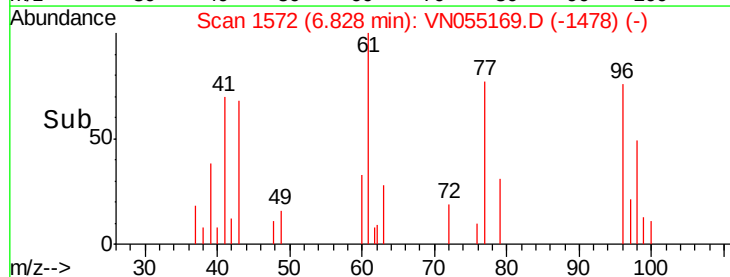
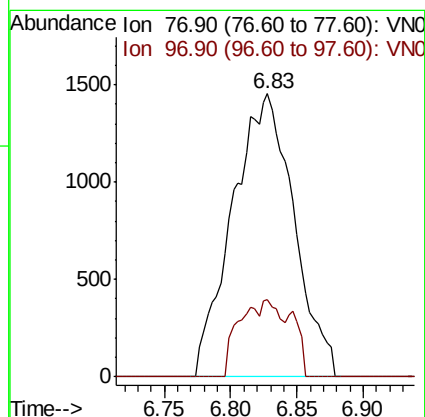
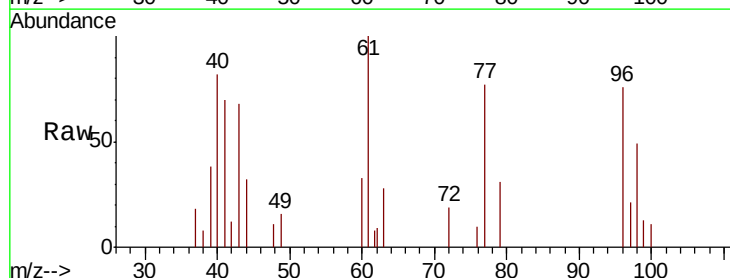
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

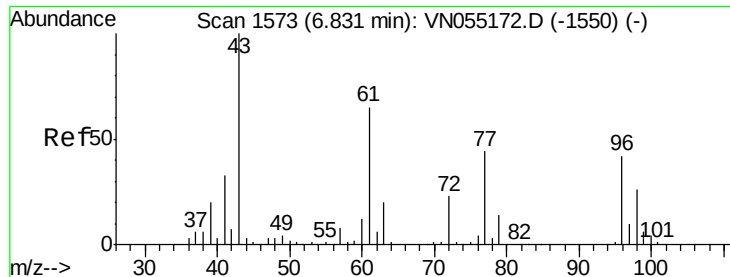
Tot Ion: 43 Resp: 7916
 Ion Ratio Lower Upper
 43 100
 72 20.3 17.8 26.8



#26
 2,2-Dichloropropane
 Concen: 0.741 ug/l
 RT: 6.83 min Scan# 1572
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 77 Resp: 4689
 Ion Ratio Lower Upper
 77 100
 97 9.8 11.3 33.8#





#27

cis-1,2-Dichloroethene

Concen: 0.710 ug/l

RT: 6.83 min Scan# 1572

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

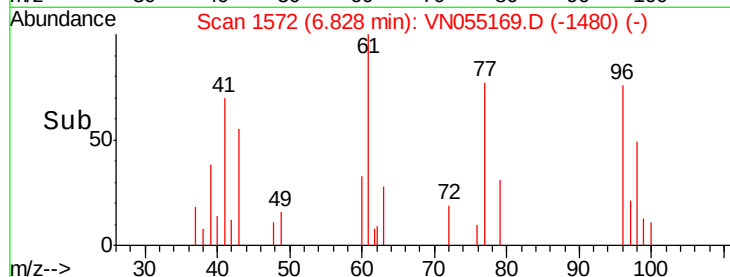
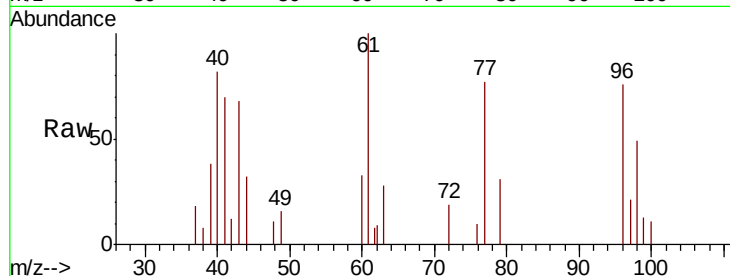
Tot Ion: 96 Resp: 3787

Ion Ratio Lower Upper

96 100

61 159.0 0.0 310.8

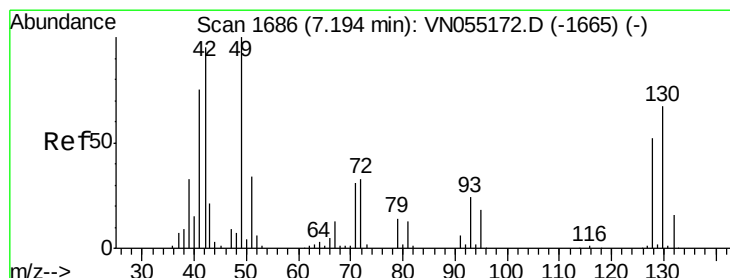
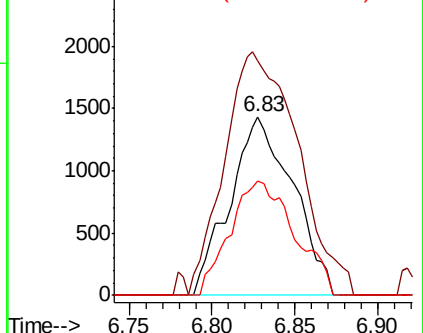
98 65.9 0.0 127.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 0.976 ug/l

RT: 7.20 min Scan# 1688

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

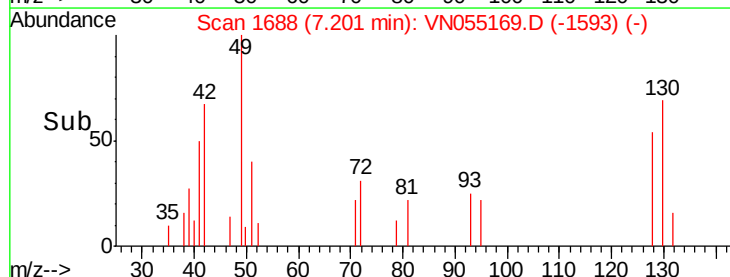
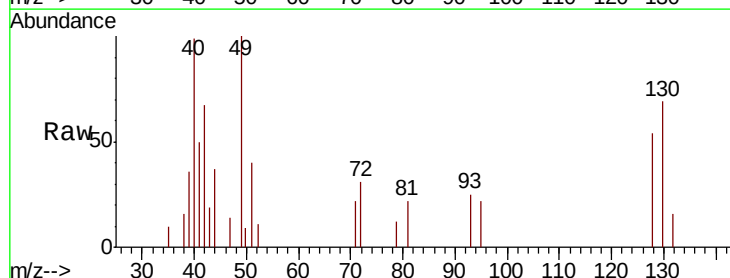
Tgt Ion: 49 Resp: 4653

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

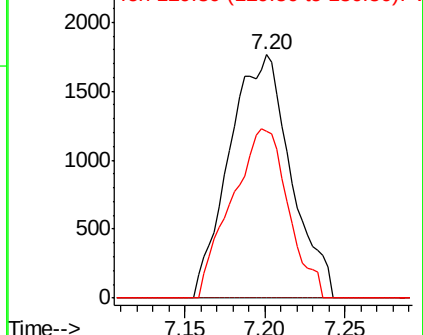
130 64.0 53.4 80.2

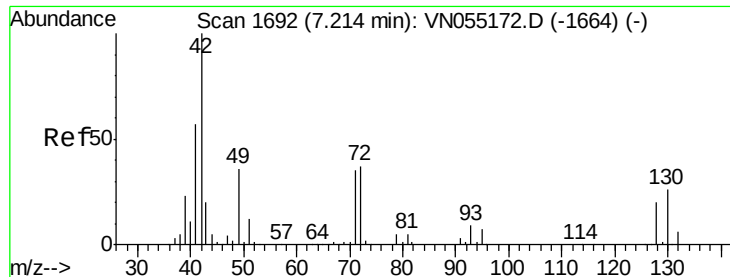


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 3.414 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

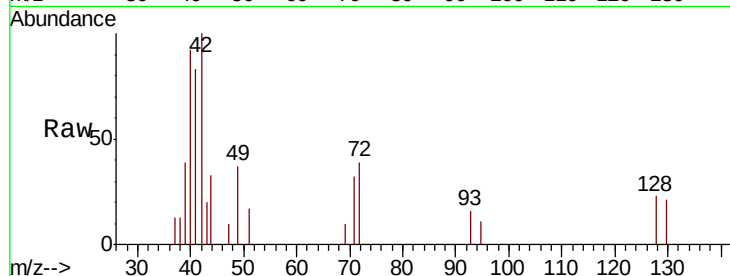
Tot Ion: 42 Resp: 5316

Ion Ratio Lower Upper

42 100

72 11.0 29.4 44.2#

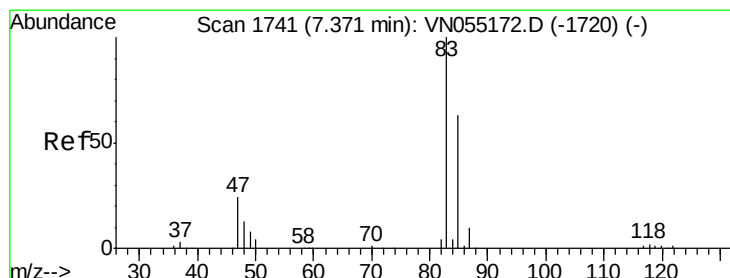
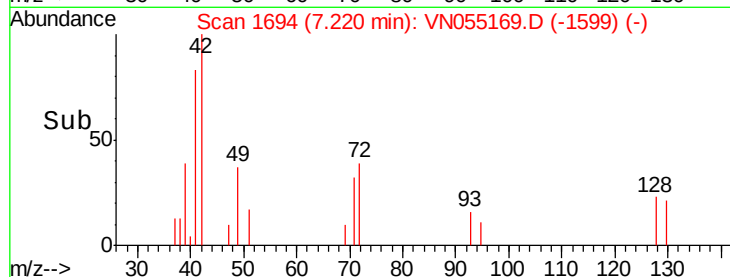
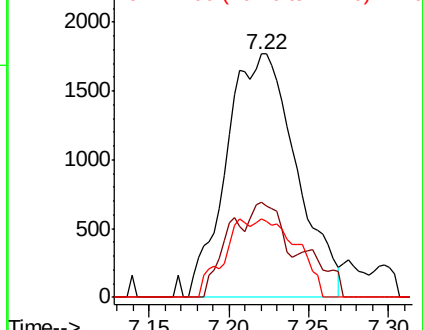
71 0.0 27.8 41.8#



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: 0.787 ug/l

RT: 7.38 min Scan# 1743

Delta R.T. 0.01 min

Lab File: VN055169.D

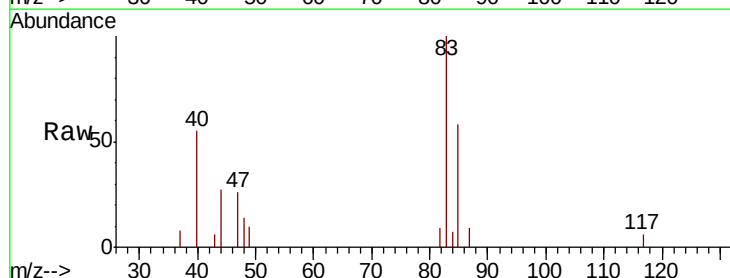
Acq: 22 Apr 2019 9:22

Tgt Ion: 83 Resp: 7003

Ion Ratio Lower Upper

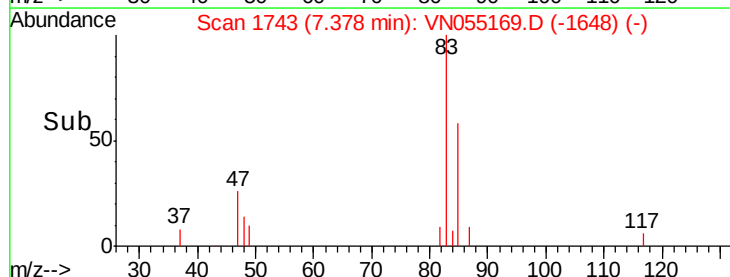
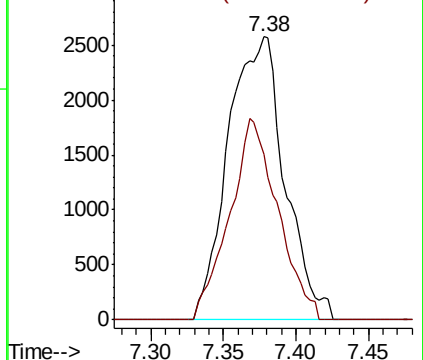
83 100

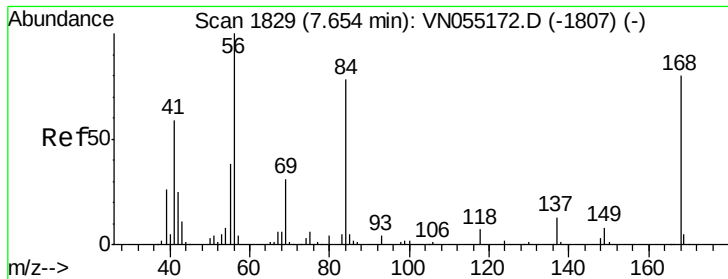
85 58.5 50.6 76.0



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

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

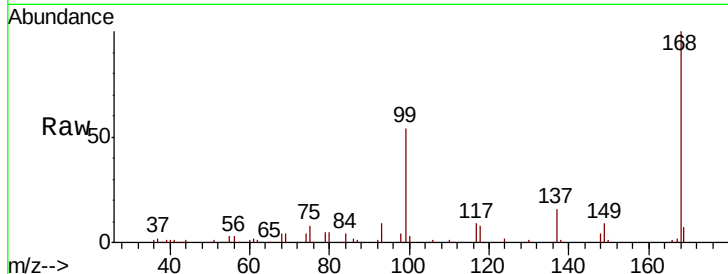




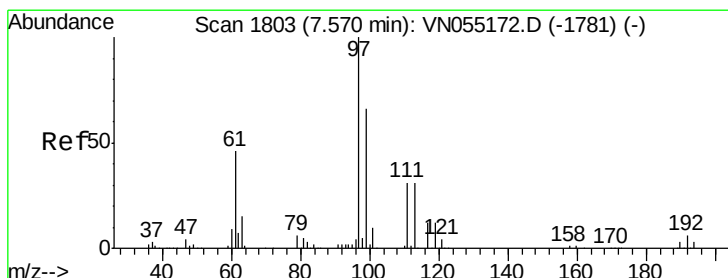
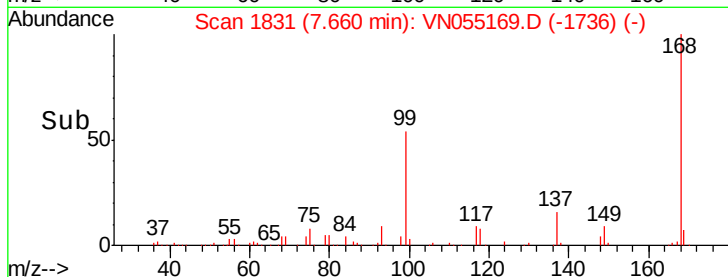
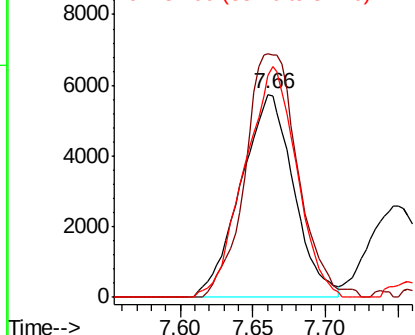
#31
Cyclohexane
Concen: 1.361 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 14612
Ion Ratio Lower Upper
56 100
69 119.9 24.6 37.0#
84 109.2 61.4 92.2#

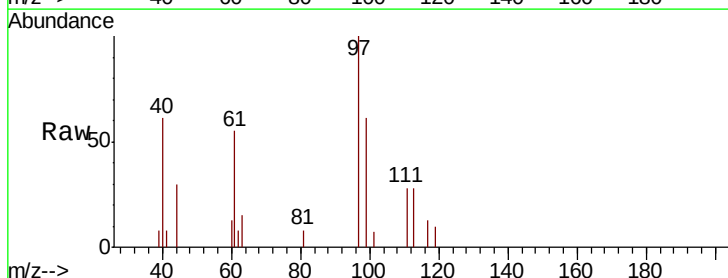


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

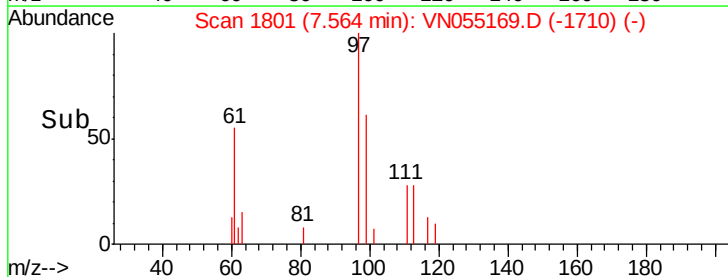
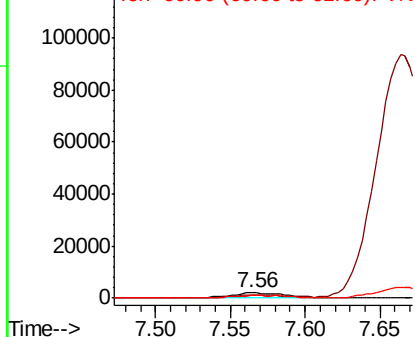


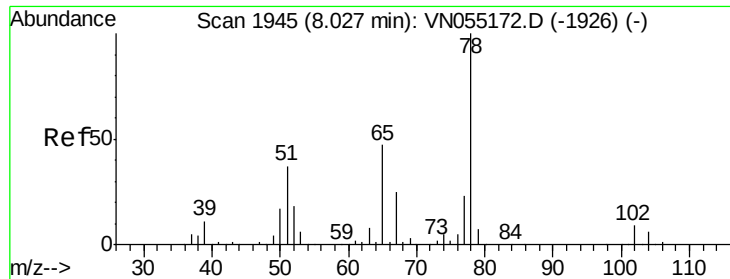
#32
1,1,1-Trichloroethane
Concen: 0.756 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 97 Resp: 5402
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 32.8 38.3 57.5#



Abundance Ion 96.90 (96.60 to 97.60): VNO
Ion 98.90 (98.60 to 99.60): VNO
Ion 60.90 (60.60 to 61.60): VNO

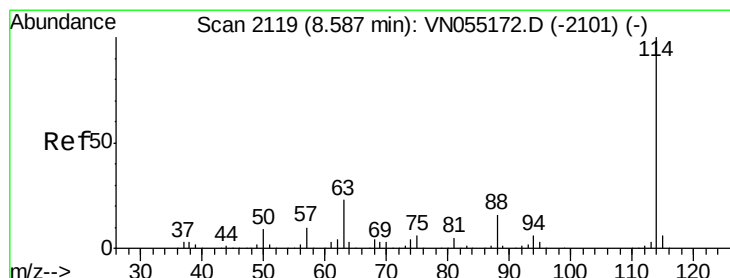
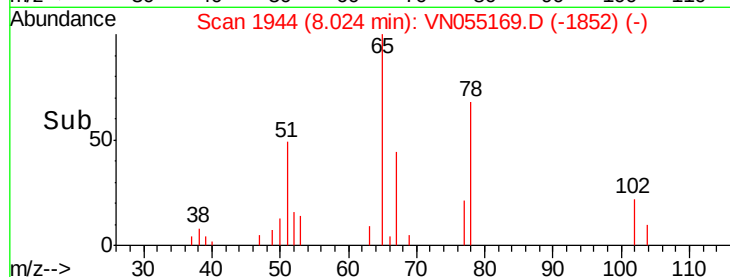
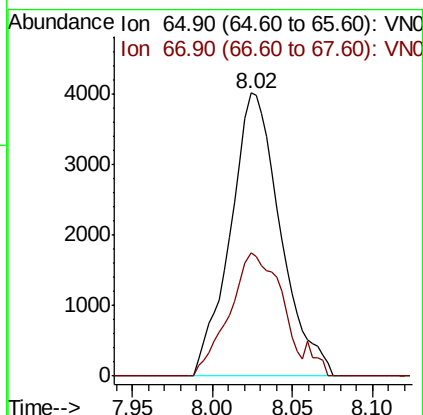
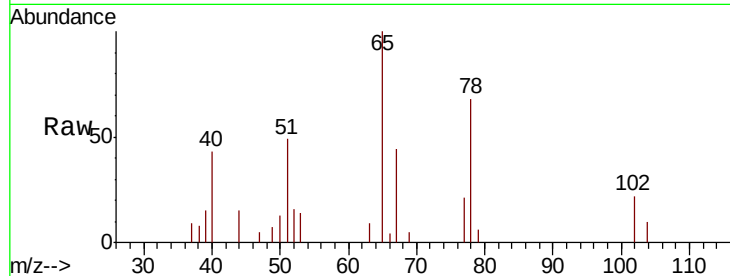




#33
 1,2-Dichloroethane-d4
 Concen: 1.365 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

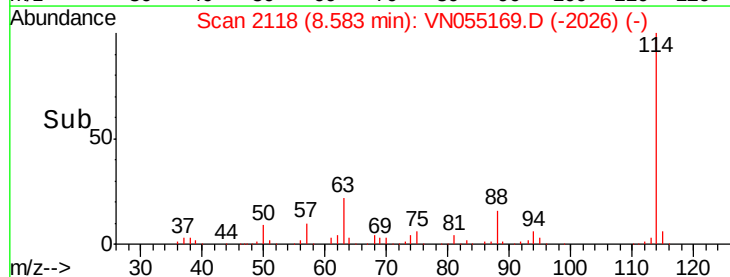
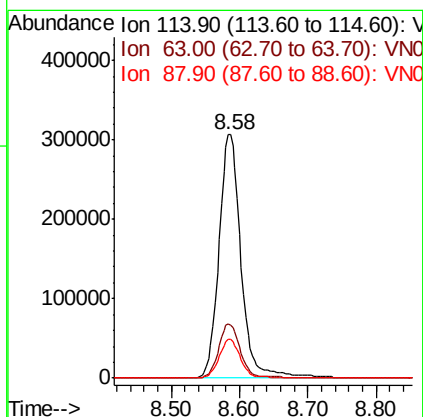
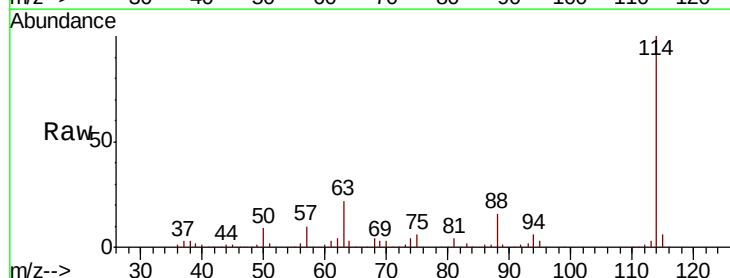
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

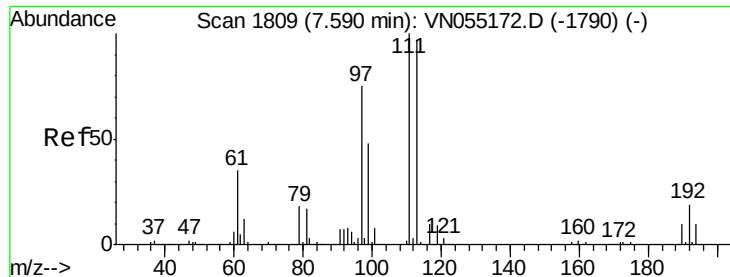
Tot Ion: 65 Resp: 8592
 Ion Ratio Lower Upper
 65 100
 67 45.1 0.0 108.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 114 Resp: 689081
 Ion Ratio Lower Upper
 114 100
 63 22.1 0.0 45.2
 88 15.9 0.0 32.8

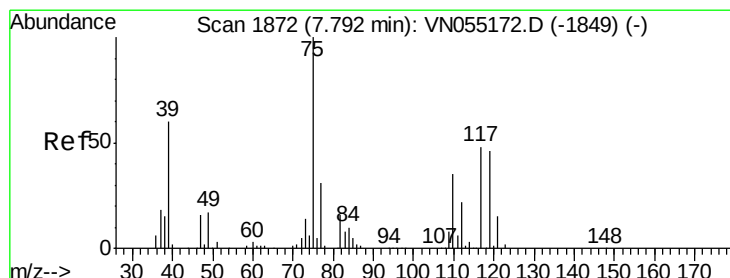
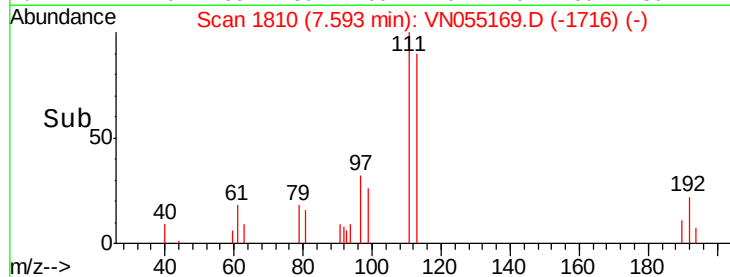
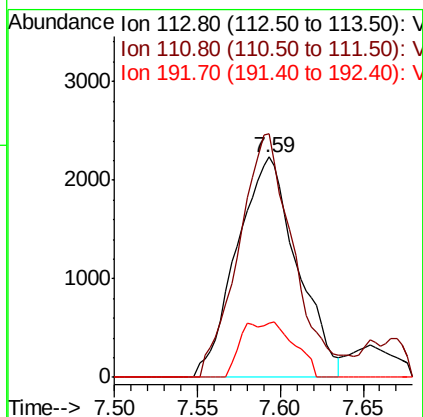
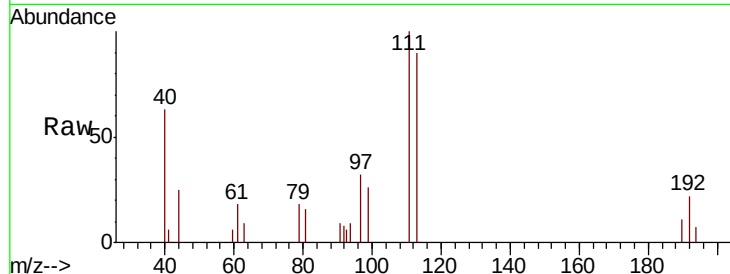




#35
 Dibromofluoromethane
 Concen: 1.143 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

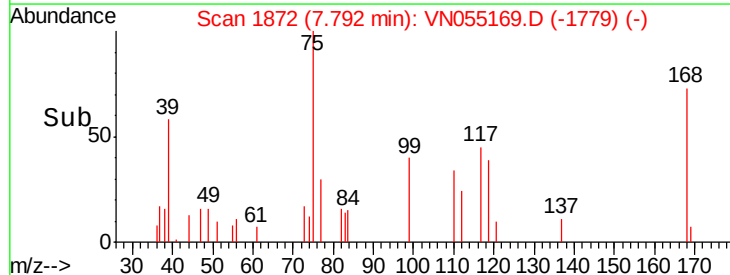
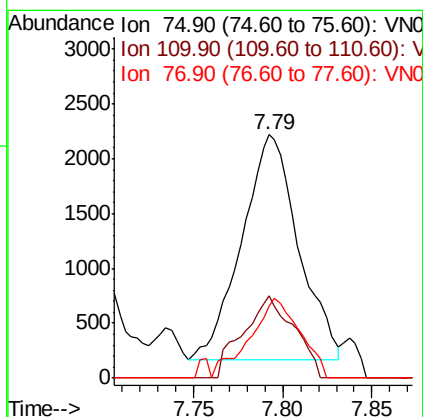
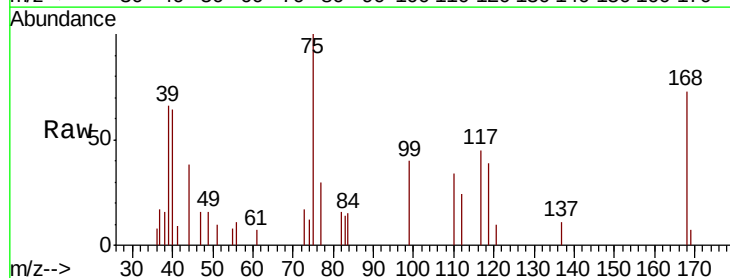
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

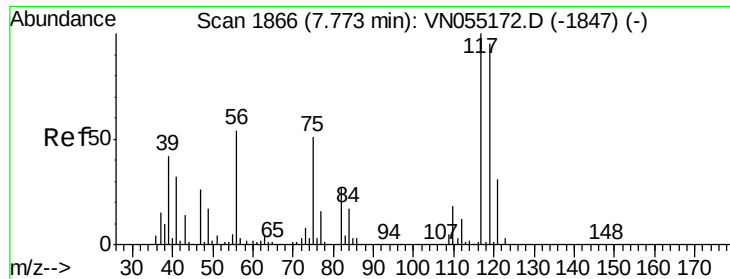
Tot Ion:113 Resp: 5651
 Ion Ratio Lower Upper
 113 100
 111 101.5 81.0 121.4
 192 8.4 16.2 24.4#



#36
 1,1-Dichloropropene
 Concen: 0.709 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 75 Resp: 4535
 Ion Ratio Lower Upper
 75 100
 110 32.9 17.1 51.2
 77 31.5 24.6 36.8





#38

Carbon Tetrachloride

Concen: 0.890 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

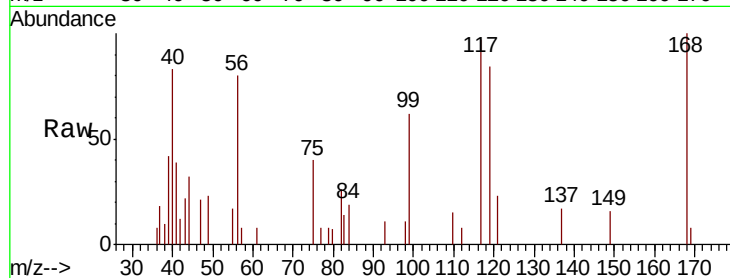
Tot Ion:117 Resp: 5690

Ion Ratio Lower Upper

117 100

119 86.9 76.0 114.0

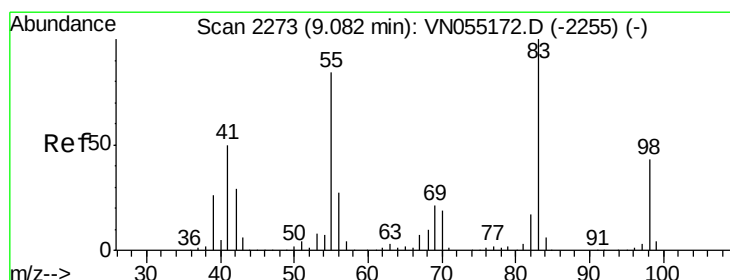
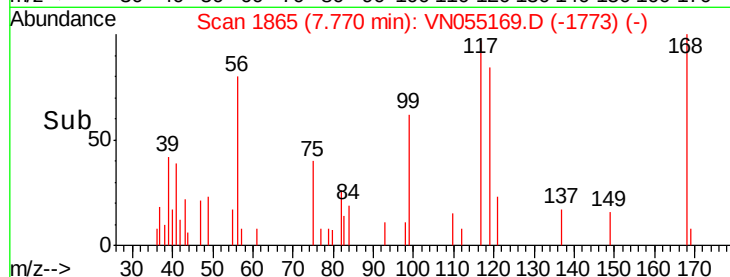
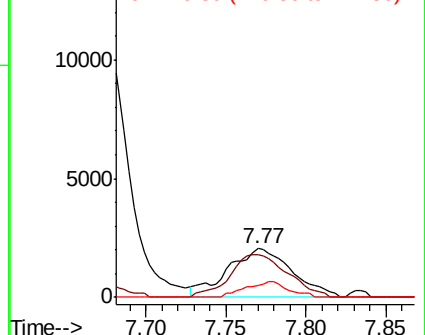
121 23.4 24.6 36.8#



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: 0.635 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

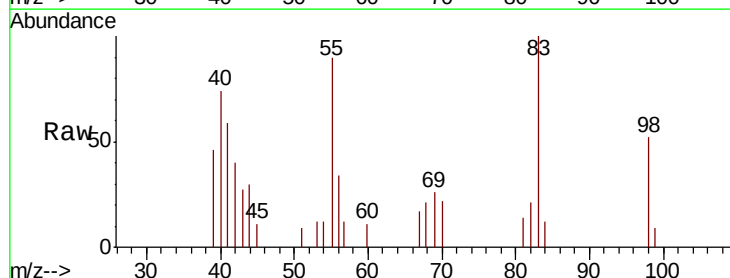
Tgt Ion: 83 Resp: 4846

Ion Ratio Lower Upper

83 100

55 90.3 67.4 101.0

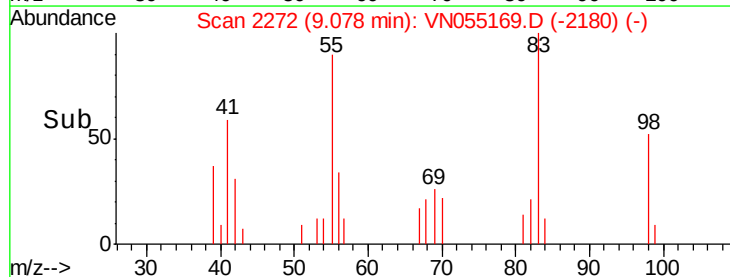
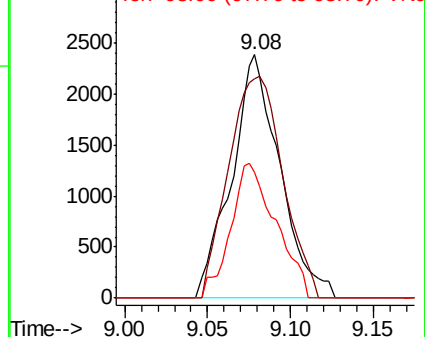
98 51.5 34.7 52.1

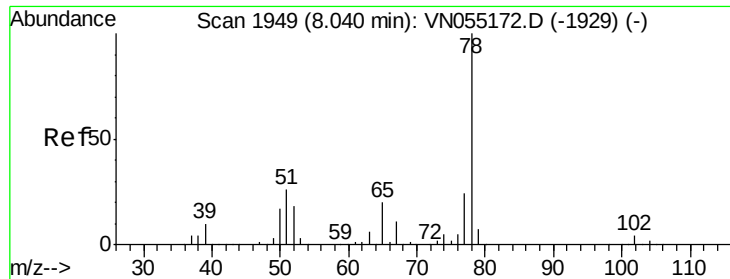


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.744 ug/l

RT: 8.04 min Scan# 1949

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

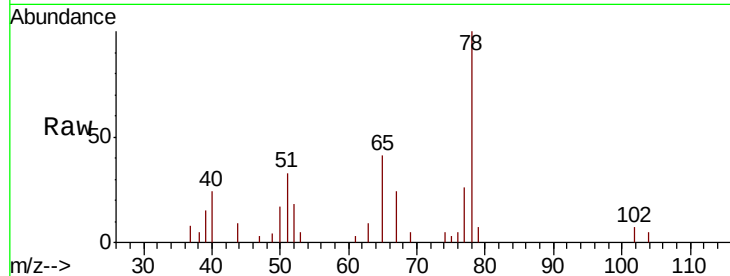
VSTDIC001

Tot Ion: 78 Resp: 14682

Ion Ratio Lower Upper

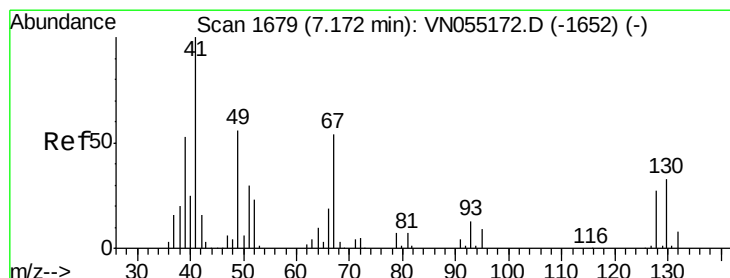
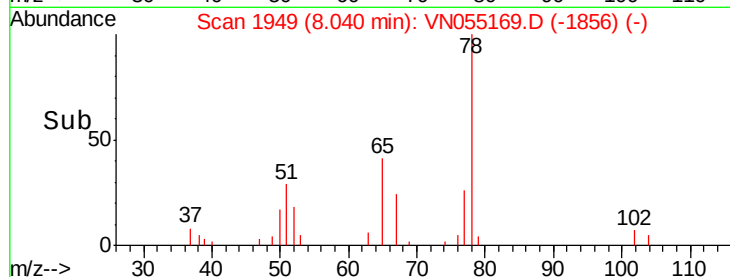
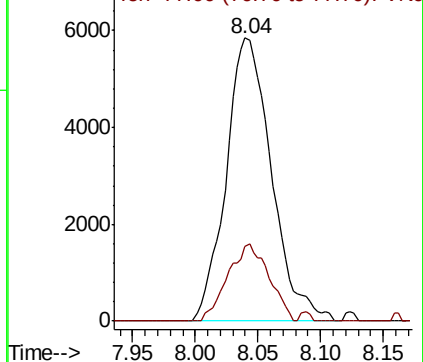
78 100

77 26.3 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0



#41

Methacrylonitrile

Concen: 0.594 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Tgt Ion: 41 Resp: 1565

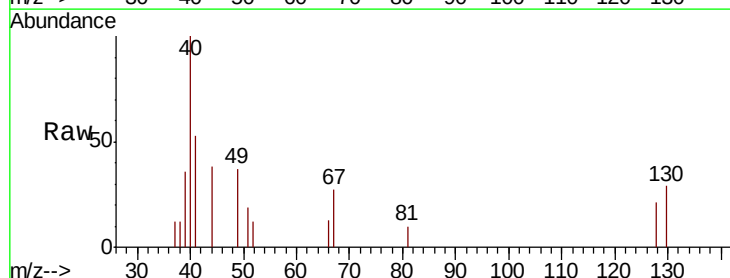
Ion Ratio Lower Upper

41 100

39 79.9 45.4 68.0#

67 71.0 54.6 81.8

52 0.0 22.8 34.2#

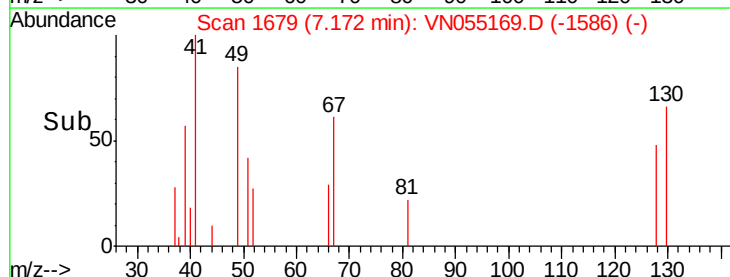
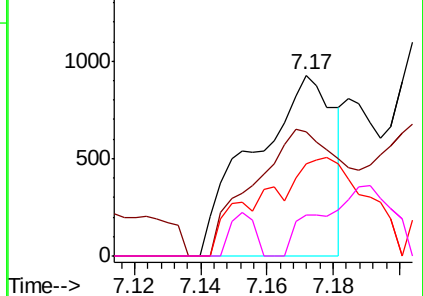


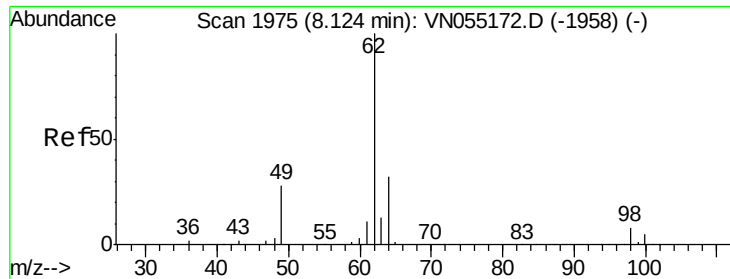
Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

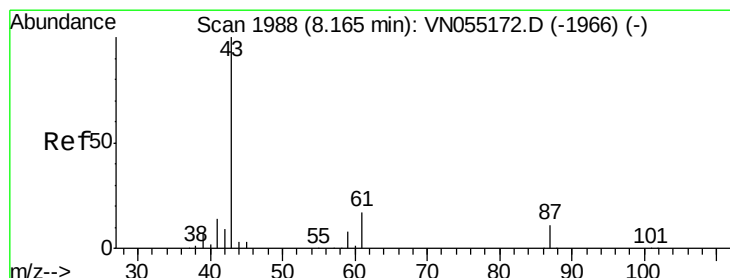
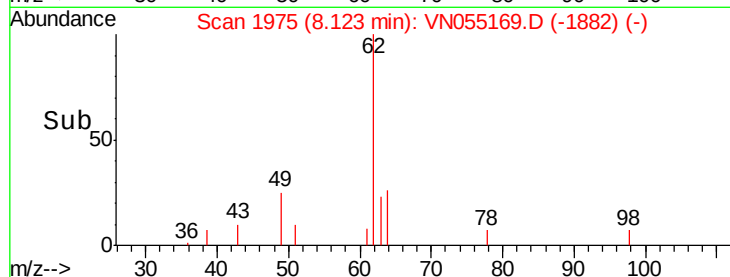
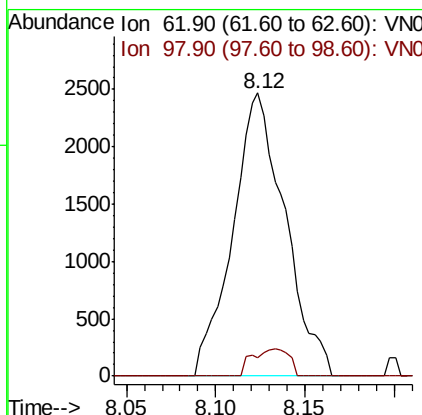
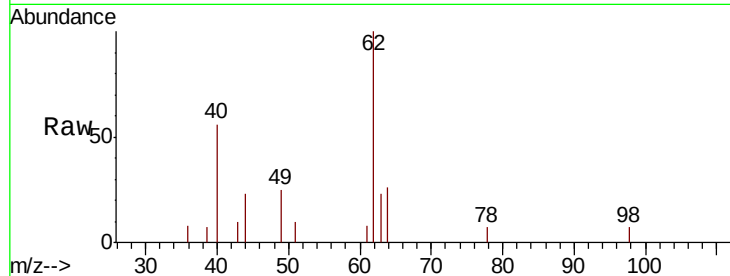




#42
 1,2-Dichloroethane
 Concen: 0.732 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

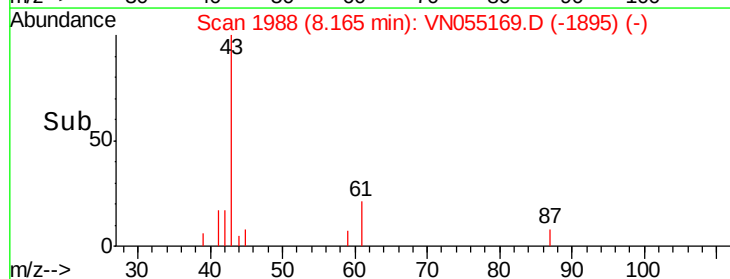
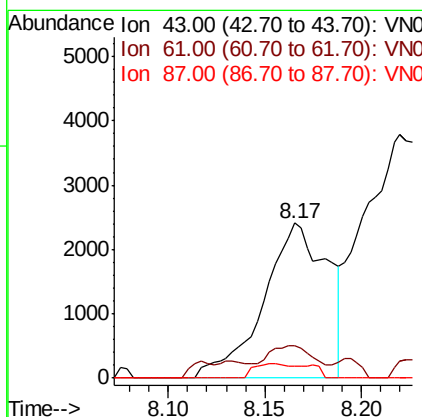
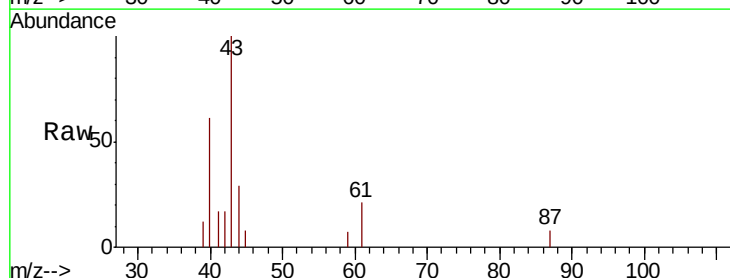
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

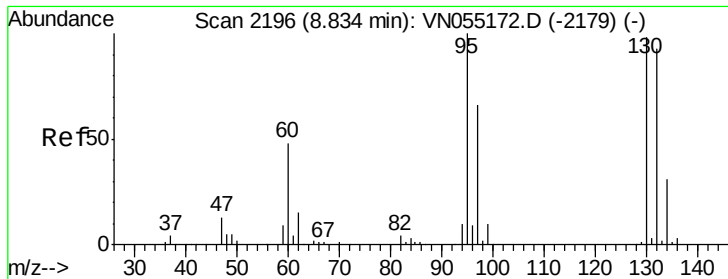
Tot Ion: 62 Resp: 5040
 Ion Ratio Lower Upper
 62 100
 98 6.8 0.0 17.0



#43
 Isopropyl Acetate
 Concen: 0.660 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 43 Resp: 5520
 Ion Ratio Lower Upper
 43 100
 61 16.4 20.6 30.8#
 87 5.5 8.8 13.2#





#44

Trichloroethene

Concen: 0.735 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

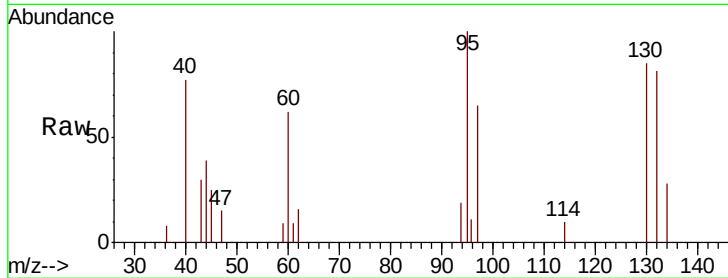
VSTDIC001

Tot Ion:130 Resp: 3666

Ion Ratio Lower Upper

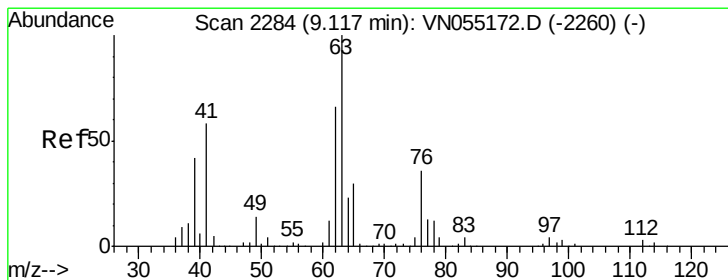
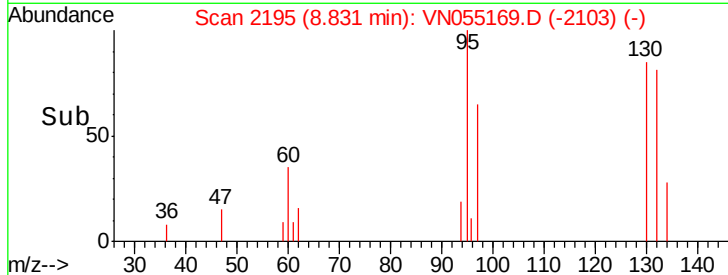
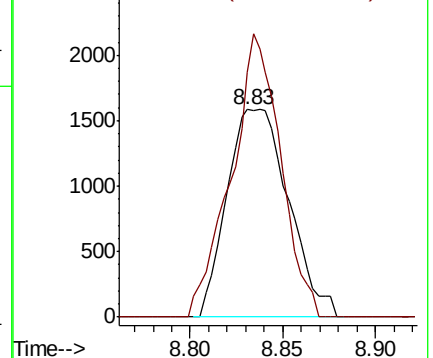
130 100

95 118.0 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): V

Ion 94.90 (94.60 to 95.60): VNO



#45

1,2-Dichloropropane

Concen: 0.664 ug/l

RT: 9.11 min Scan# 2283

Delta R.T. -0.00 min

Lab File: VN055169.D

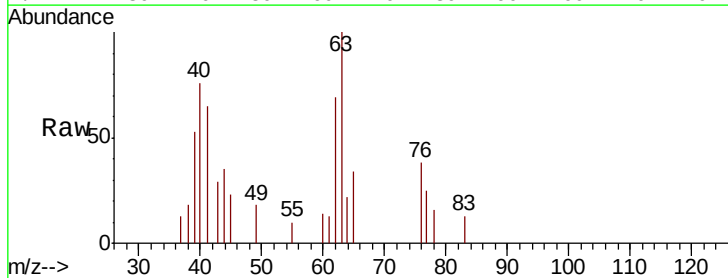
Acq: 22 Apr 2019 9:22

Tgt Ion: 63 Resp: 3700

Ion Ratio Lower Upper

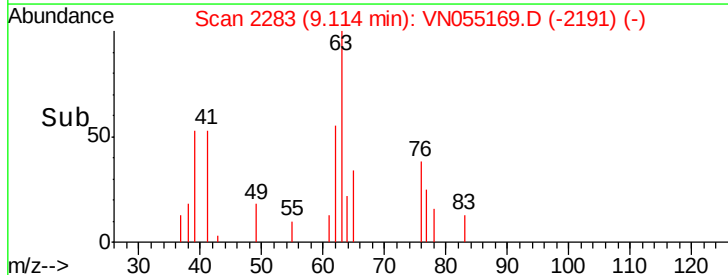
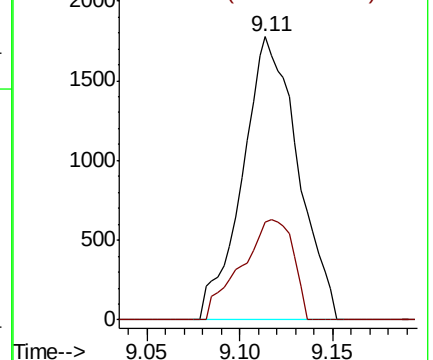
63 100

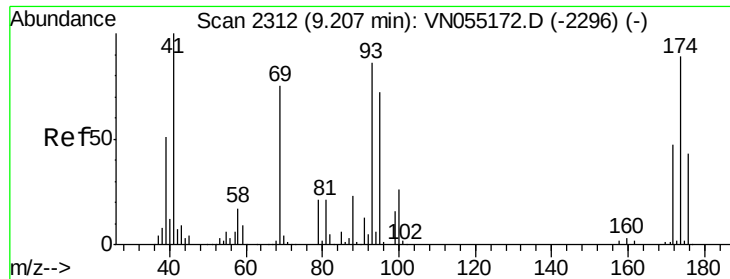
65 34.4 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VNO

Ion 64.90 (64.60 to 65.60): VNO





#46

Dibromomethane

Concen: 0.694 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

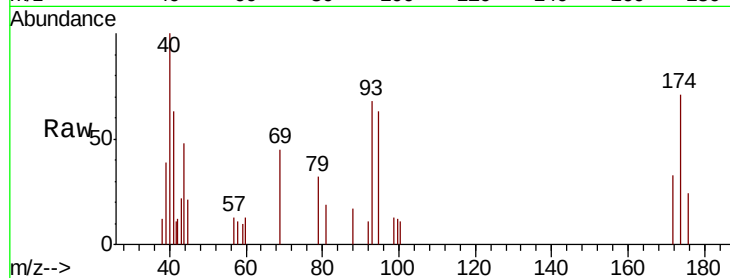
Tot Ion: 93 Resp: 2214

Ion Ratio Lower Upper

93 100

95 84.6 67.6 101.4

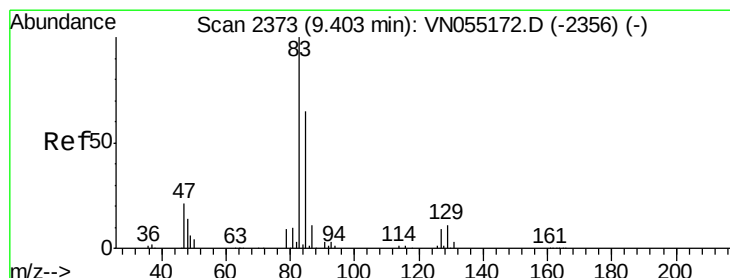
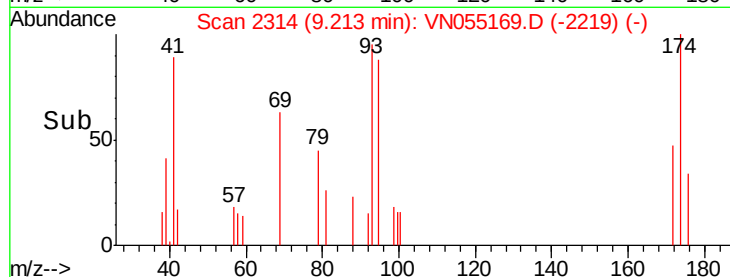
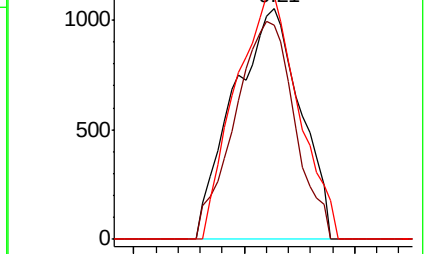
174 100.4 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN055172.D (-2296) (-)

Ion 94.80 (94.50 to 95.50): VN055172.D (-2296) (-)

Ion 173.70 (173.40 to 174.40): VN055172.D (-2296) (-)



#47

Bromodichloromethane

Concen: 0.753 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

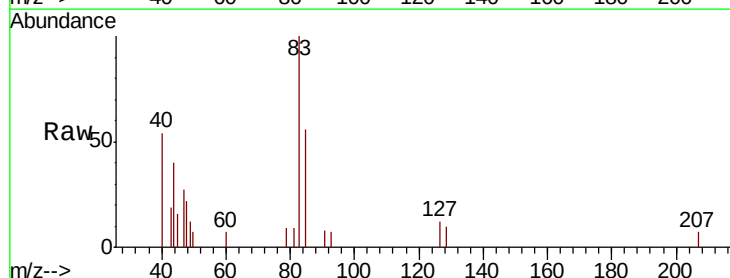
Tgt Ion: 83 Resp: 4811

Ion Ratio Lower Upper

83 100

85 55.8 52.1 78.1

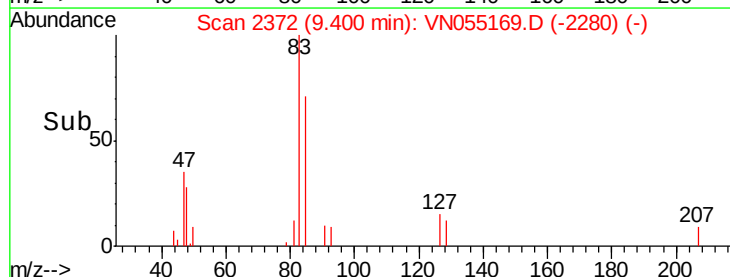
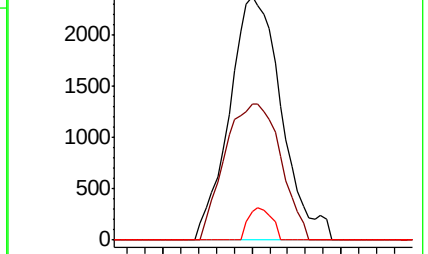
127 11.6 6.9 10.3#

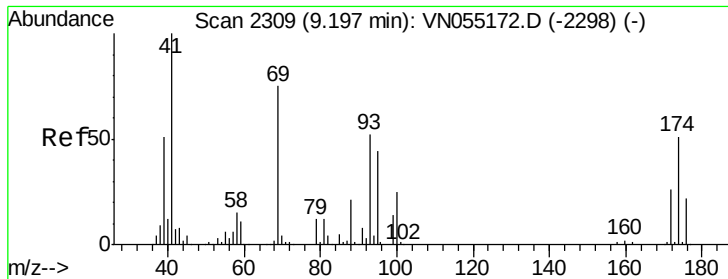


Abundance Ion 82.90 (82.60 to 83.60): VN055172.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055172.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055172.D (-2356) (-)





#48

Methyl methacrylate

Concen: 0.600 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

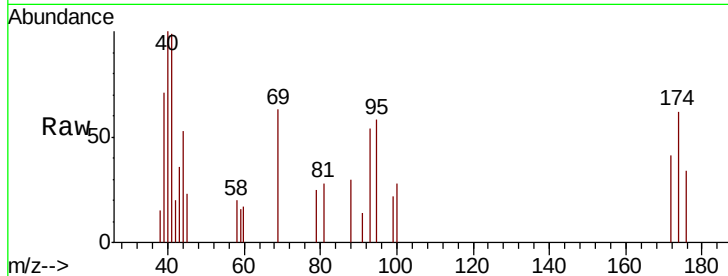
Tot Ion: 41 Resp: 2432

Ion Ratio Lower Upper

41 100

69 71.5 63.6 95.4

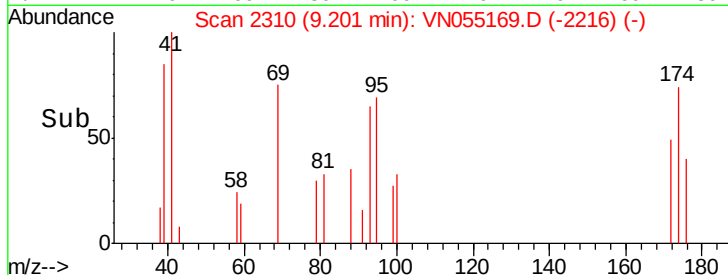
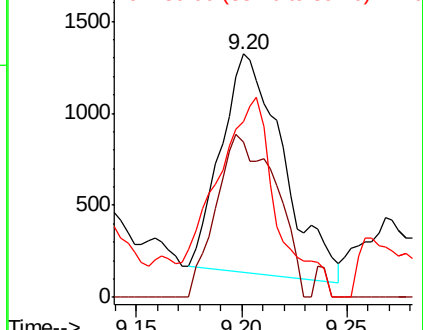
39 90.5 43.8 65.8#



Abundance Ion 41.00 (40.70 to 41.70): VN055172.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN055172.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN055172.D (-2298) (-)



#49

1,4-Dioxane

Concen: 15.997 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

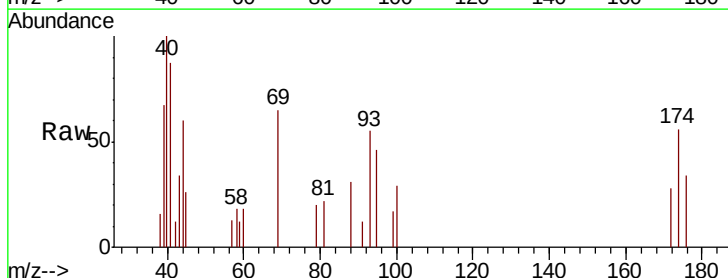
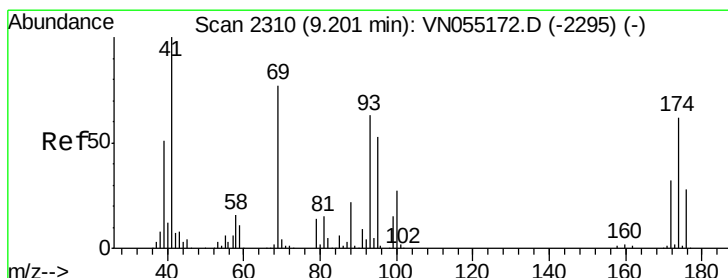
Tgt Ion: 88 Resp: 749

Ion Ratio Lower Upper

88 100

43 32.3 32.0 48.0

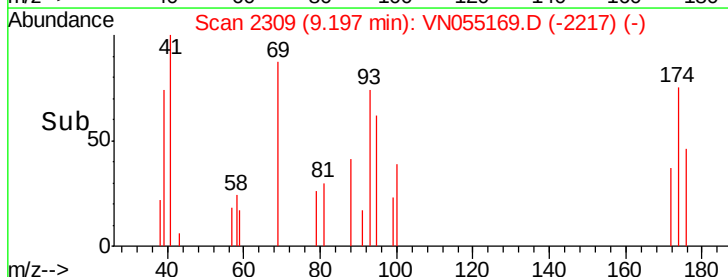
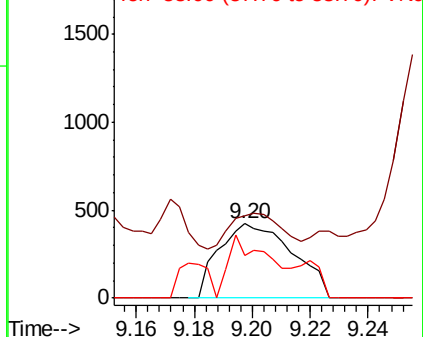
58 48.1 60.4 90.6#

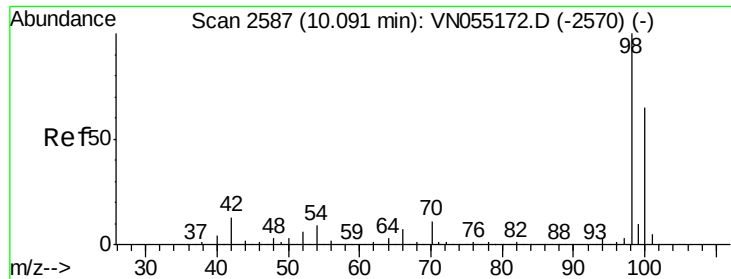


Abundance Ion 88.00 (87.70 to 88.70): VN055169.D (-2216) (-)

Ion 43.00 (42.70 to 43.70): VN055169.D (-2216) (-)

Ion 58.00 (57.70 to 58.70): VN055169.D (-2216) (-)

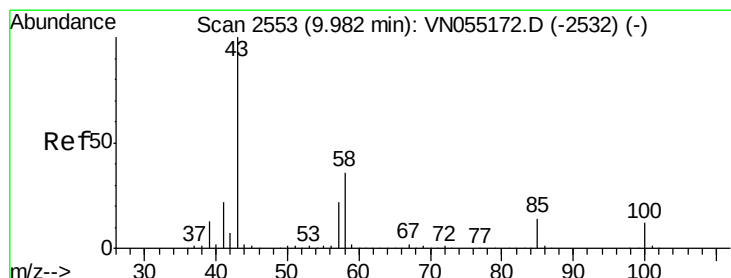
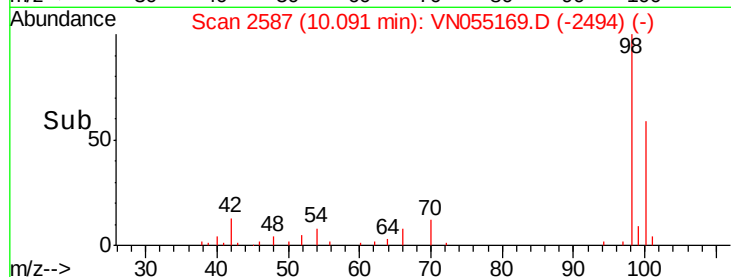
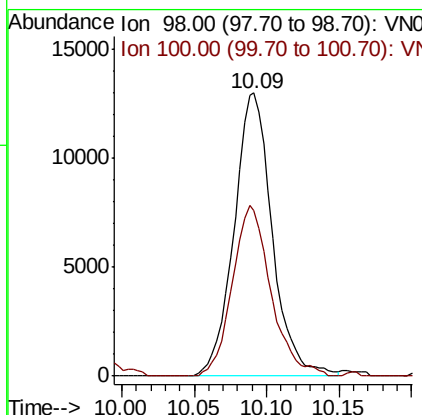
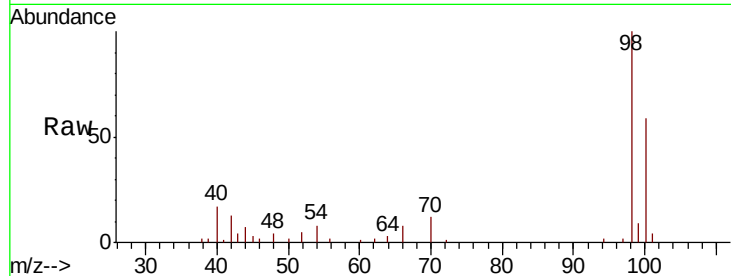




#50
Toluene-d8
Concen: 1.327 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

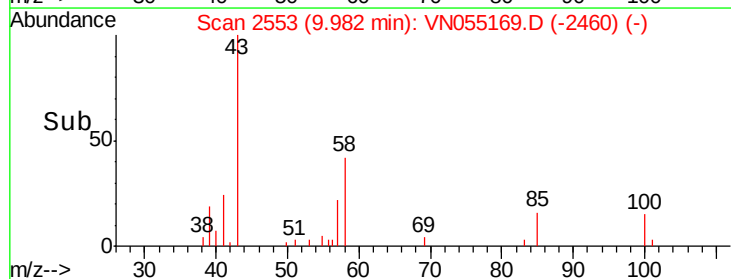
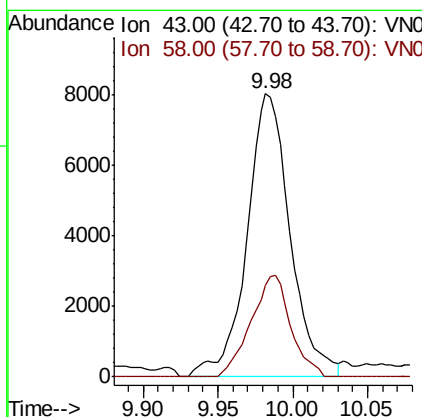
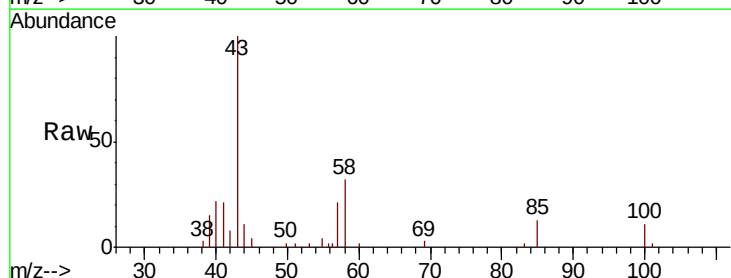
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

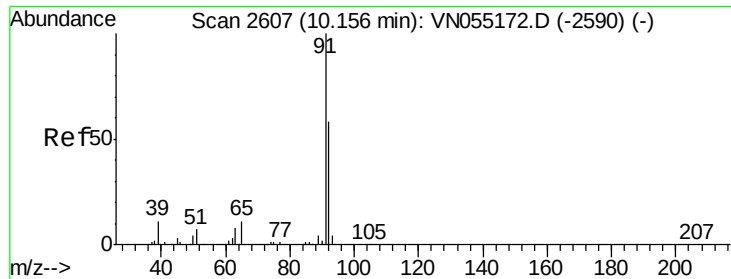
Tot Ion: 98 Resp: 23757
Ion Ratio Lower Upper
98 100
100 60.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 3.366 ug/l
RT: 9.98 min Scan# 2553
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 43 Resp: 16191
Ion Ratio Lower Upper
43 100
58 32.7 28.3 42.5





#52

Toluene

Concen: 0.683 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

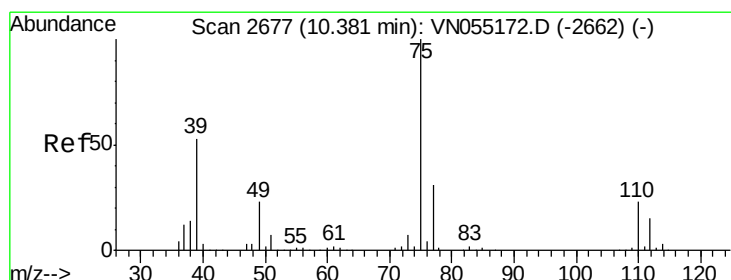
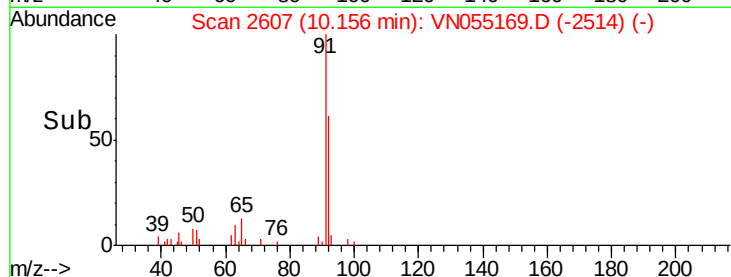
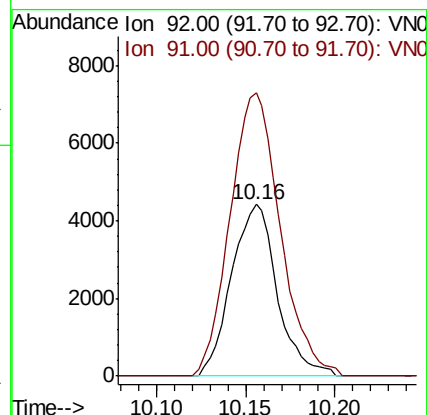
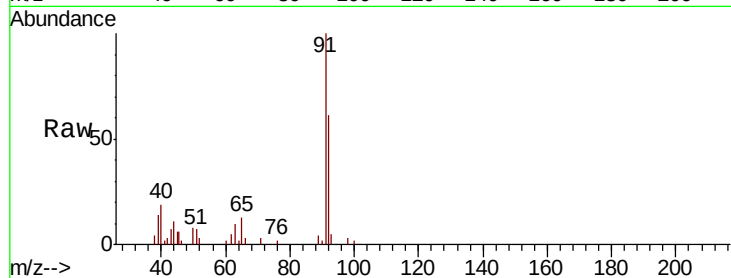
VSTDIC001

Tot Ion: 92 Resp: 7907

Ion Ratio Lower Upper

92 100

91 181.0 138.7 208.1



#53

t-1,3-Dichloropropene

Concen: 0.606 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055169.D

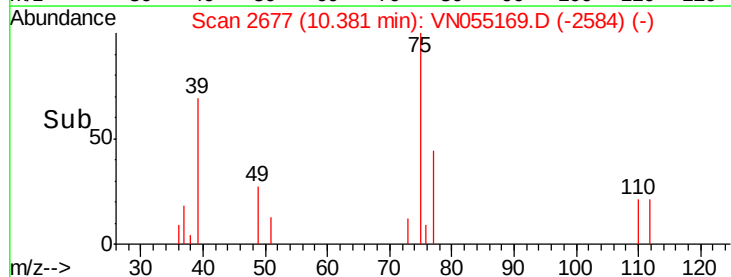
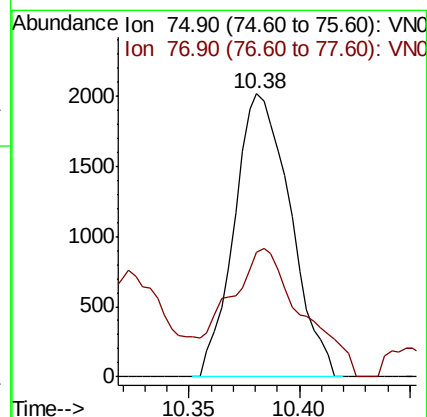
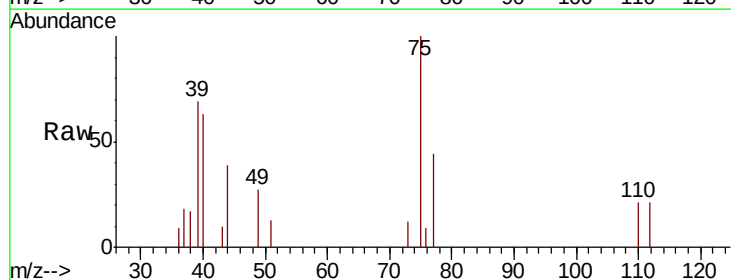
Acq: 22 Apr 2019 9:22

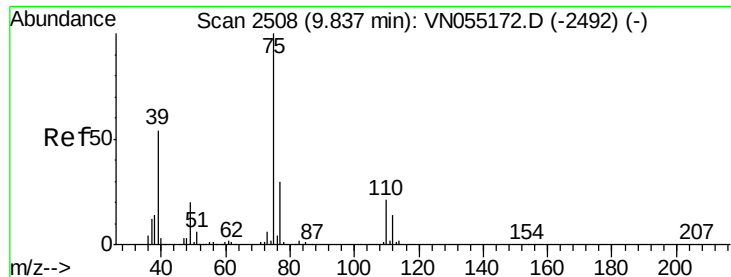
Tgt Ion: 75 Resp: 3554

Ion Ratio Lower Upper

75 100

77 33.2 25.1 37.7



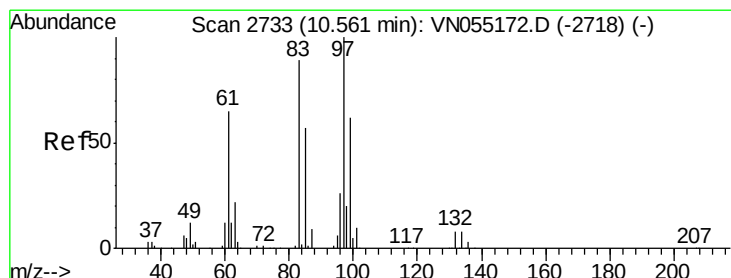
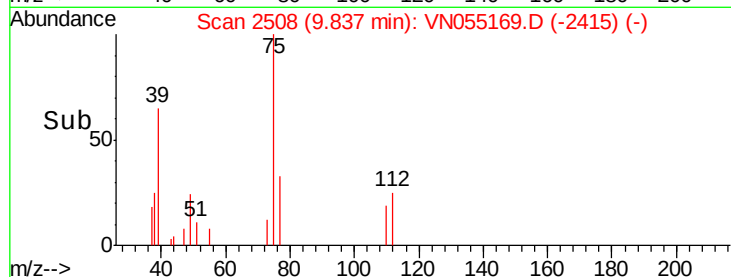
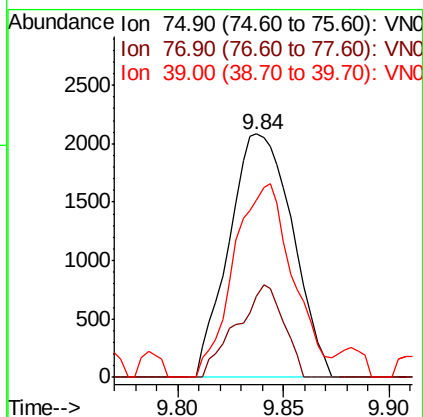
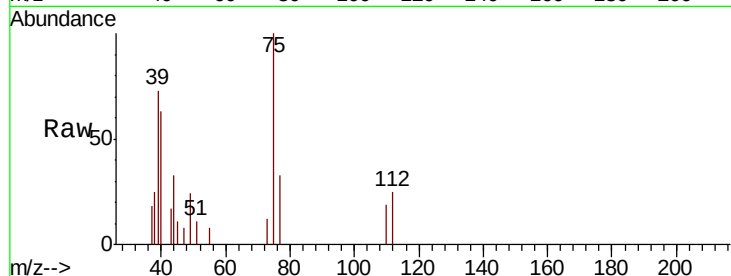


#54

cis-1,3-Dichloropropene
Concen: 0.600 ug/l
RT: 9.84 min Scan# 2508
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

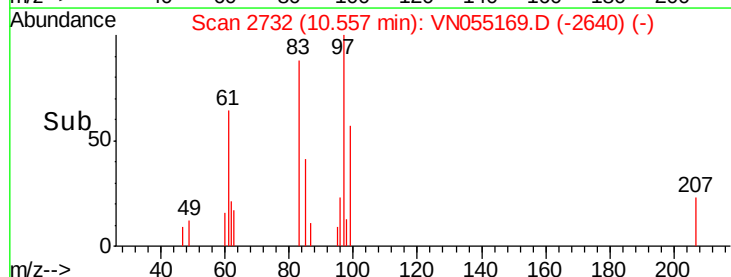
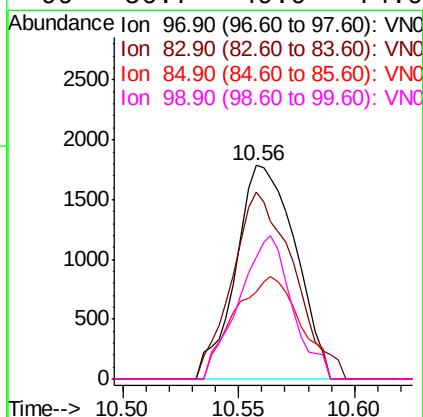
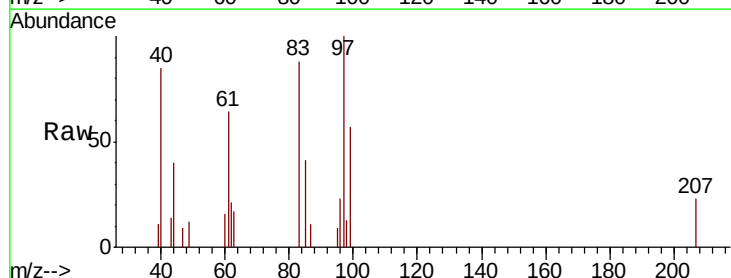
Tot Ion: 75 Resp: 4363
Ion Ratio Lower Upper
75 100
77 33.1 24.3 36.5
39 72.8 43.0 64.4#

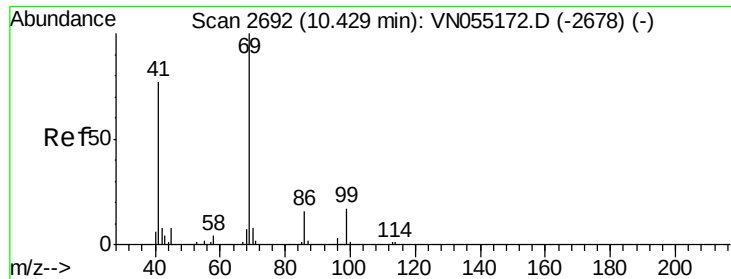


#55

1,1,2-Trichloroethane
Concen: 0.746 ug/l
RT: 10.56 min Scan# 2732
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 97 Resp: 3182
Ion Ratio Lower Upper
97 100
83 87.6 71.5 107.3
85 40.8 45.8 68.6#
99 56.7 49.9 74.9





#56

Ethyl methacrylate

Concen: 0.553 ug/l

RT: 10.43 min Scan# 2693

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

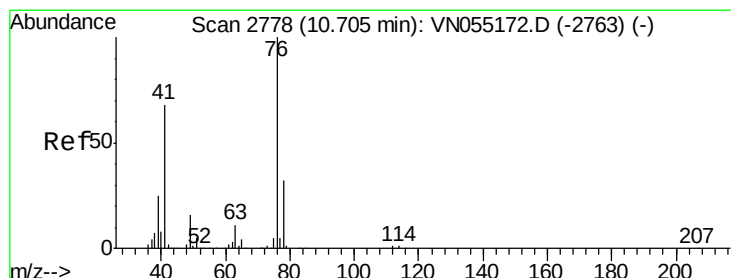
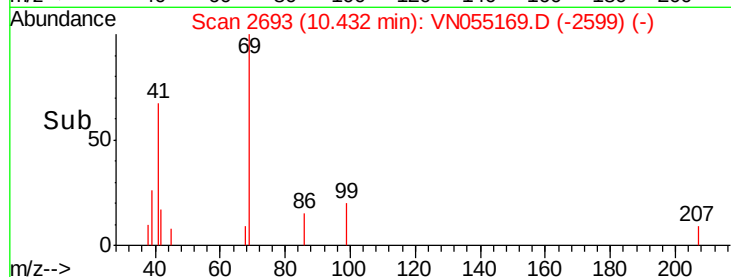
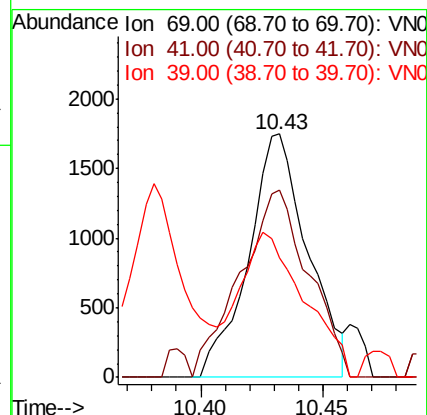
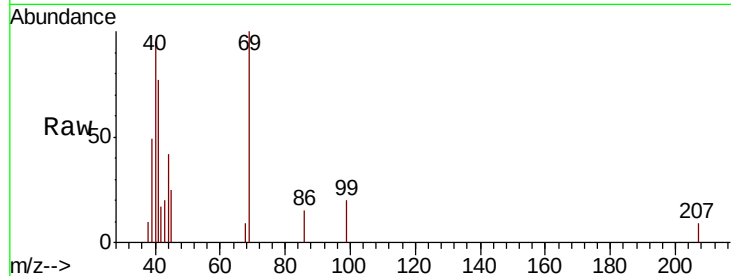
Tot Ion: 69 Resp: 2941

Ion Ratio Lower Upper

69 100

41 88.8 60.6 90.8

39 65.6 31.7 47.5#



#57

1,3-Dichloropropane

Concen: 0.739 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. -0.00 min

Lab File: VN055169.D

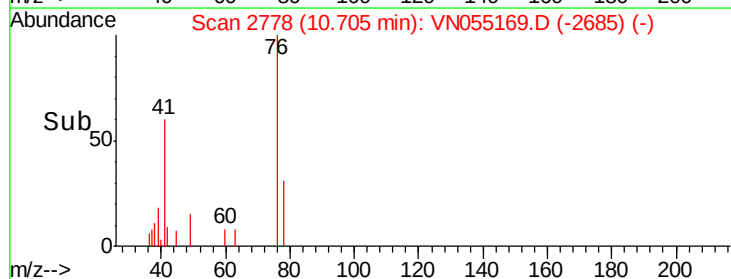
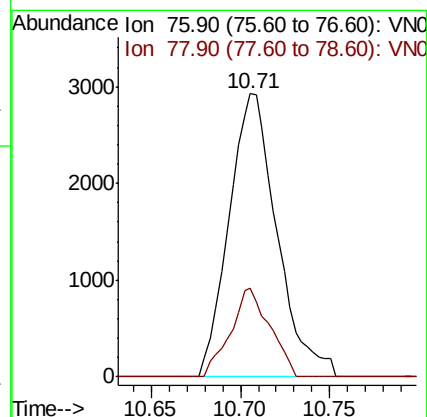
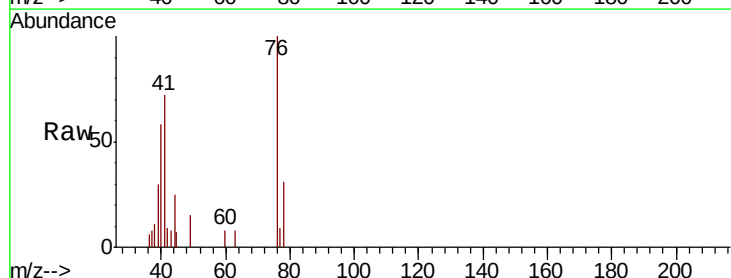
Acq: 22 Apr 2019 9:22

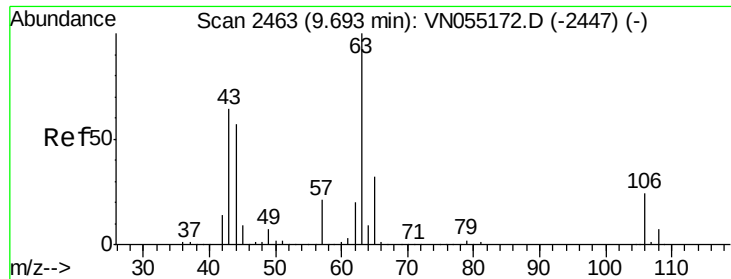
Tgt Ion: 76 Resp: 5483

Ion Ratio Lower Upper

76 100

78 25.6 25.3 37.9

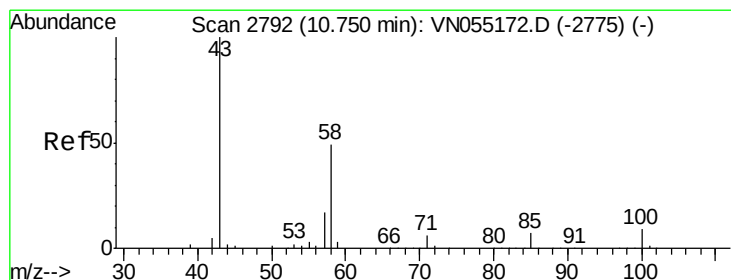
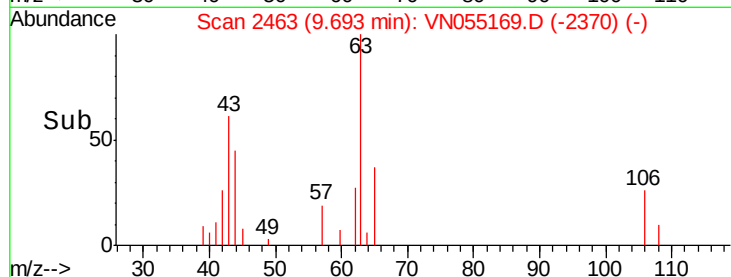
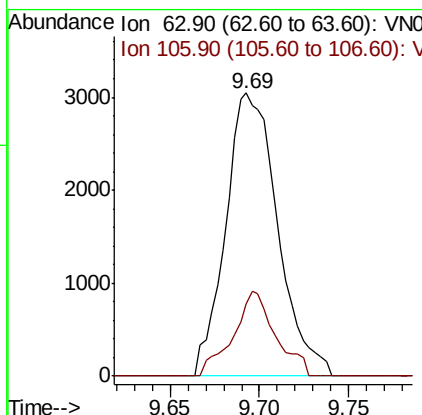
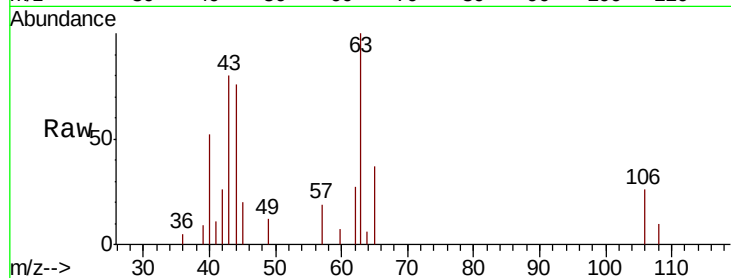




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.594 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

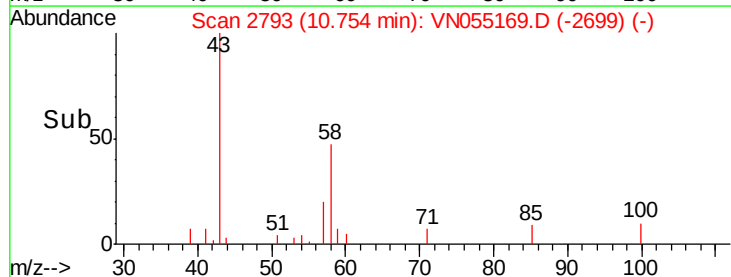
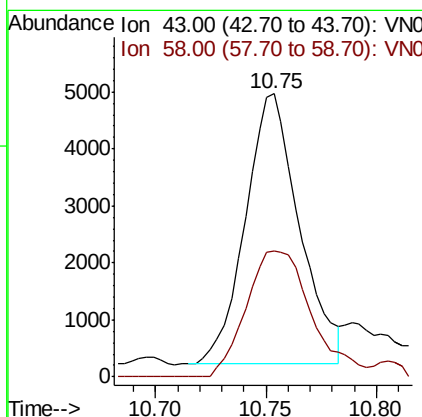
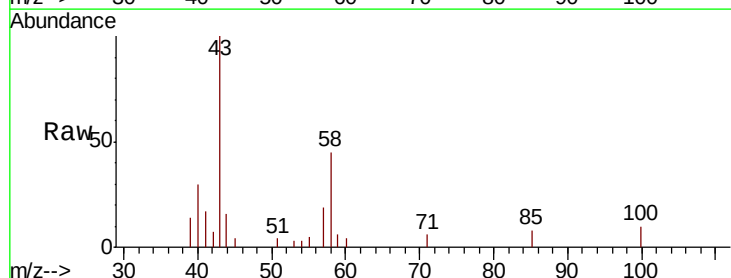
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

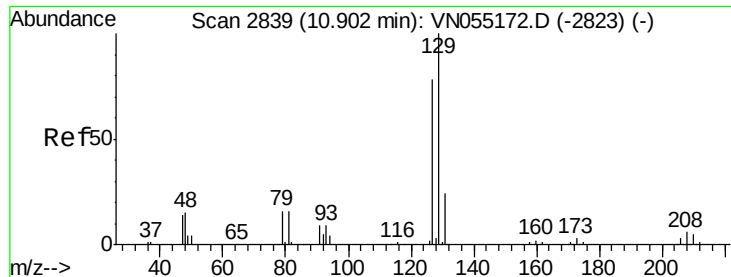
Tot Ion: 63 Resp: 6159
 Ion Ratio Lower Upper
 63 100
 106 24.5 19.4 29.0



#59
 2-Hexanone
 Concen: 2.652 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 43 Resp: 8058
 Ion Ratio Lower Upper
 43 100
 58 56.2 24.5 73.5





#60

Dibromochloromethane

Concen: 0.711 ug/l

RT: 10.90 min Scan# 2839

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

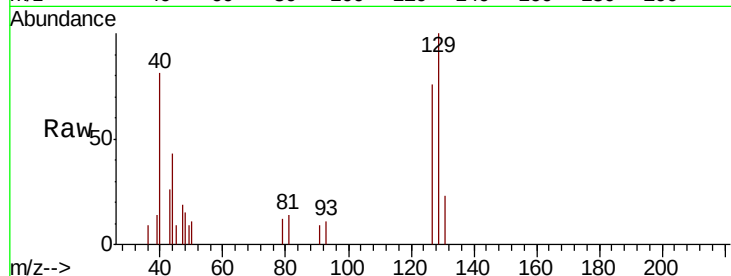
VSTDIC001

Tot Ion:129 Resp: 3125

Ion Ratio Lower Upper

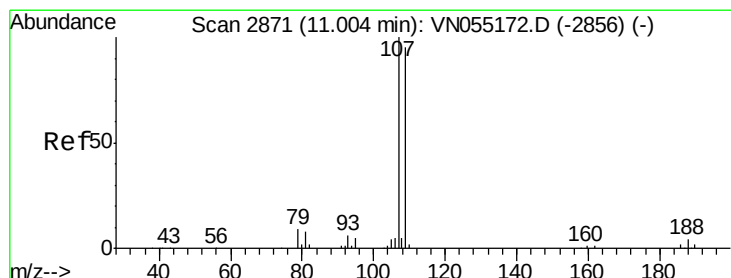
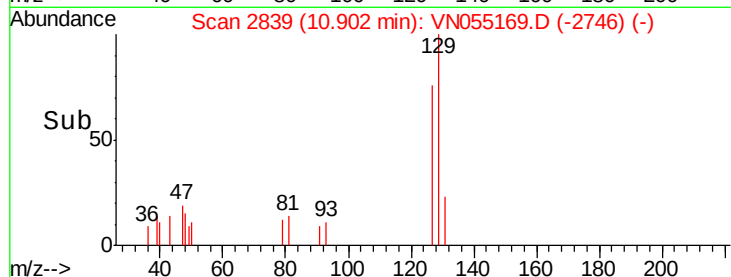
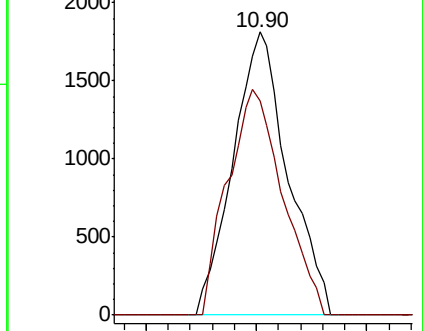
129 100

127 80.1 39.0 117.0



Abundance Ion 128.80 (128.50 to 129.50): V

Ion 126.80 (126.50 to 127.50): V



#61

1,2-Dibromoethane

Concen: 0.590 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN055169.D

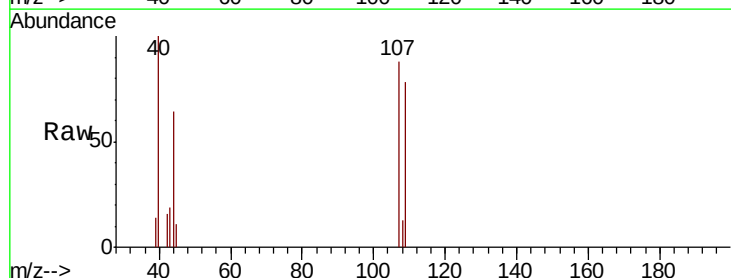
Acq: 22 Apr 2019 9:22

Tgt Ion:107 Resp: 2366

Ion Ratio Lower Upper

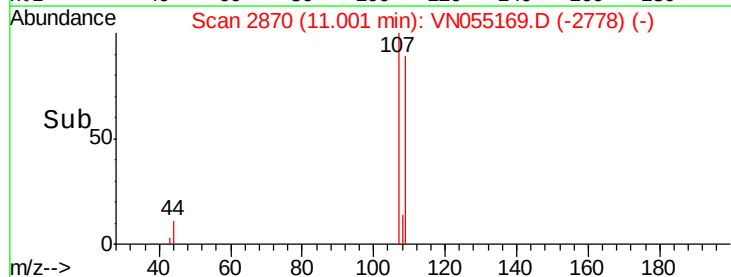
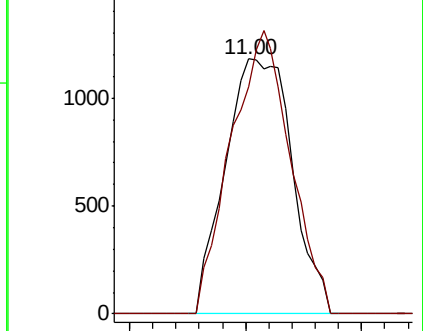
107 100

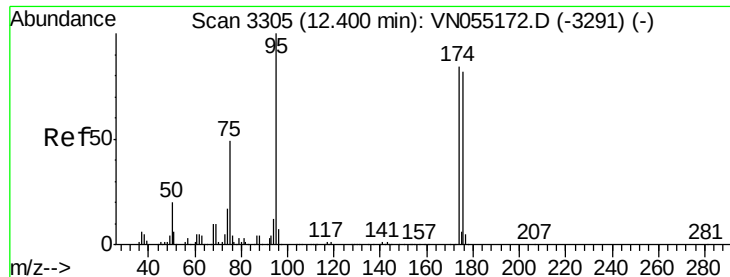
109 99.1 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

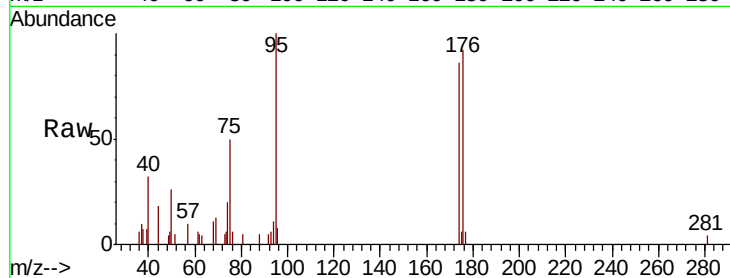




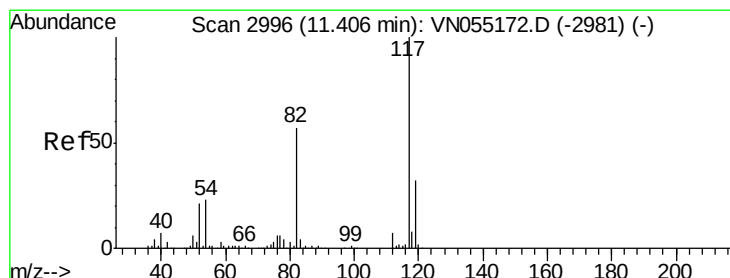
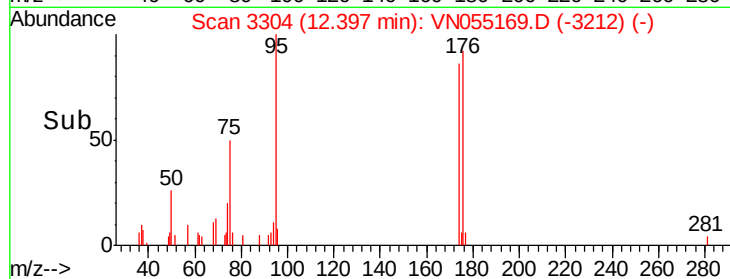
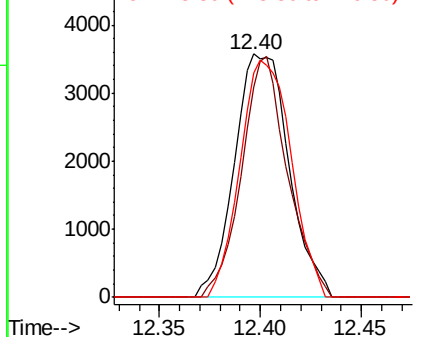
#62
4-Bromofluorobenzene
Concen: 1.196 ug/l
RT: 12.40 min Scan# 3304
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 95 Resp: 6747
Ion Ratio Lower Upper
95 100
174 83.7 0.0 168.4
176 91.3 0.0 164.0

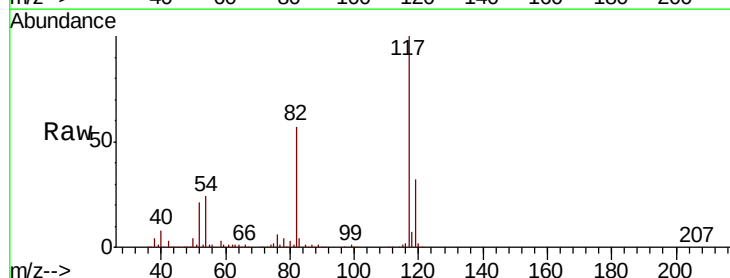


Abundance Ion 94.90 (94.60 to 95.60): VN055172.D (-3291) (-)
Ion 173.80 (173.50 to 174.50): VN055172.D (-3291) (-)
Ion 175.80 (175.50 to 176.50): VN055172.D (-3291) (-)

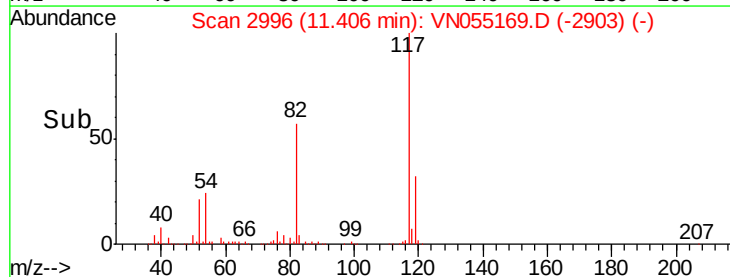
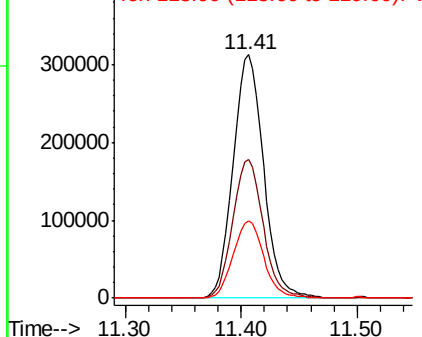


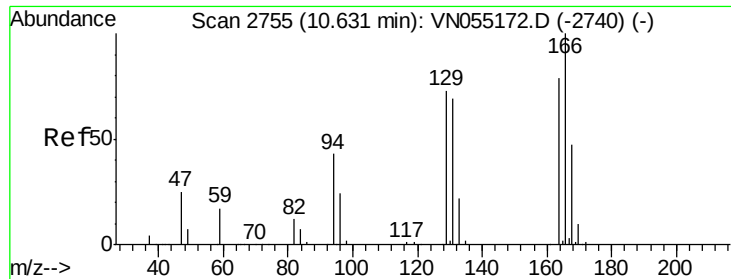
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion: 117 Resp: 567665
Ion Ratio Lower Upper
117 100
82 57.0 45.7 68.5
119 31.8 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN055172.D (-2981) (-)
Ion 82.00 (81.70 to 82.70): VN055172.D (-2981) (-)
Ion 118.90 (118.60 to 119.60): VN055172.D (-2981) (-)

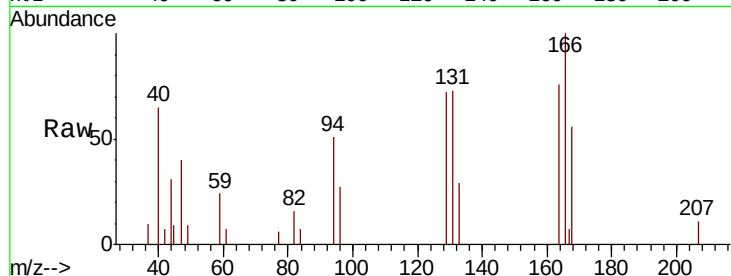




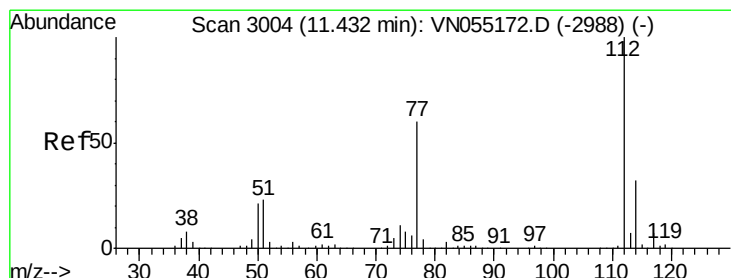
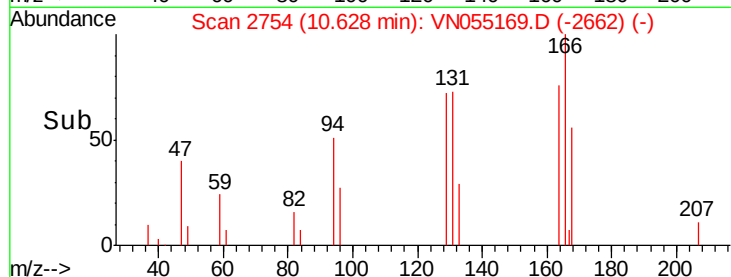
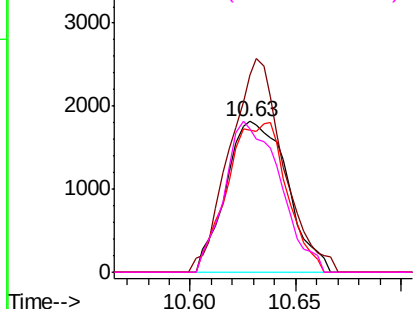
#64
Tetrachloroethene
Concen: 0.796 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:164 Resp: 3686
Ion Ratio Lower Upper
164 100
166 131.1 101.9 152.9
129 94.6 74.1 111.1
131 95.7 70.6 106.0

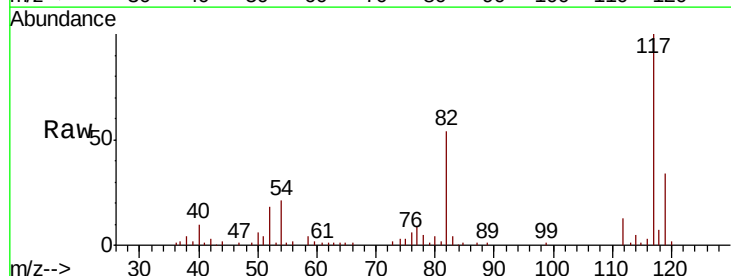


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

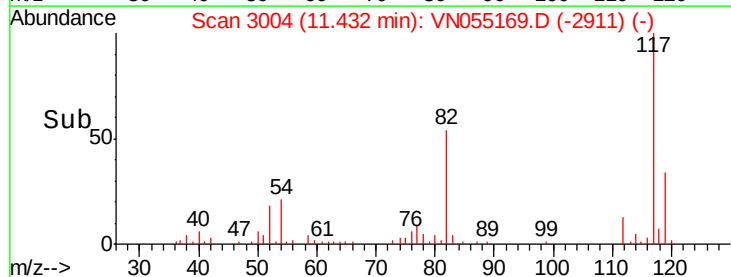
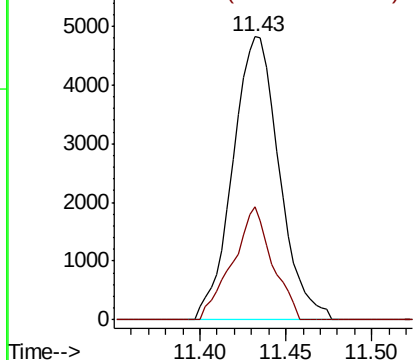


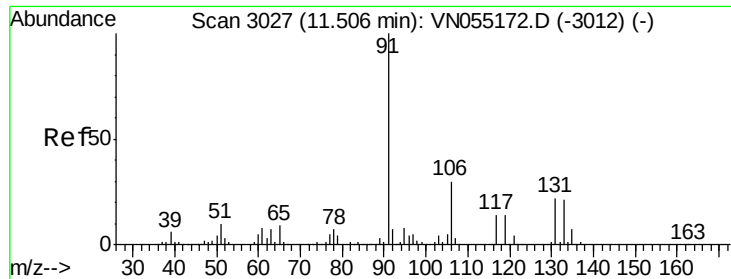
#65
Chlorobenzene
Concen: 0.780 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion:112 Resp: 9043
Ion Ratio Lower Upper
112 100
114 40.0 25.4 38.0#



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): V

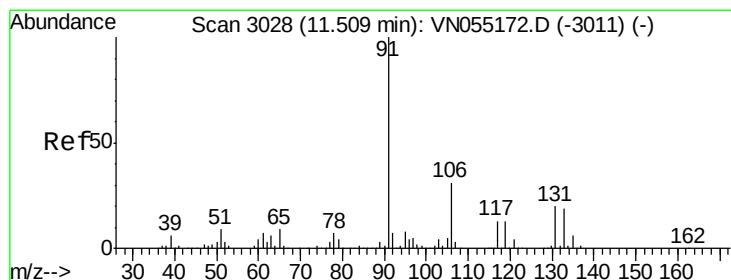
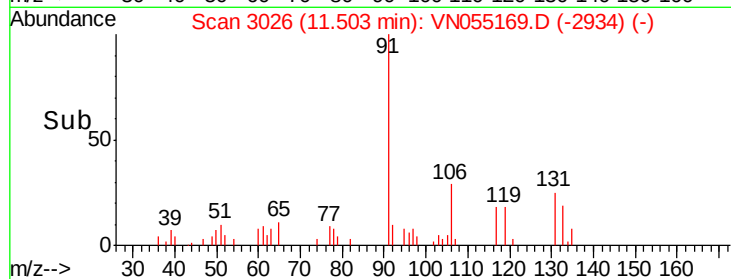
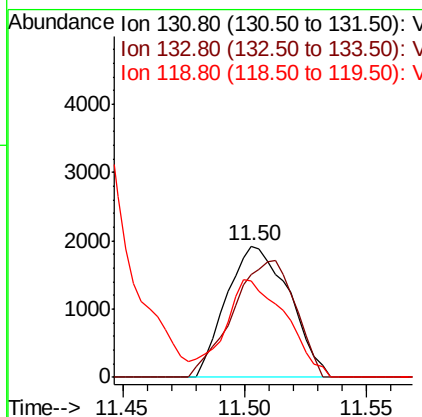
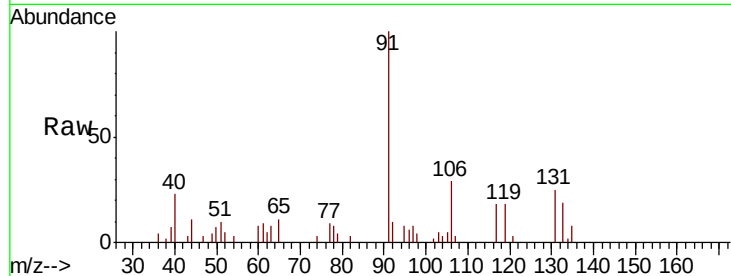




#66
 1,1,1,2-Tetrachloroethane
 Concen: 0.804 ug/l
 RT: 11.50 min Scan# 3026
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

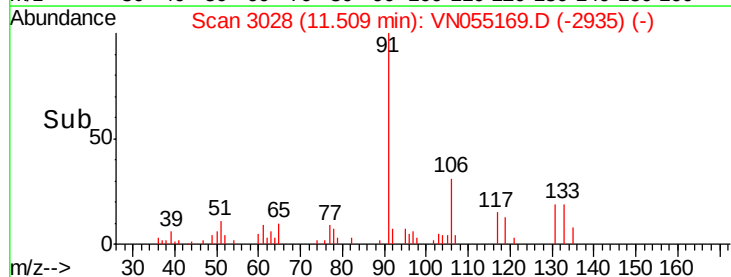
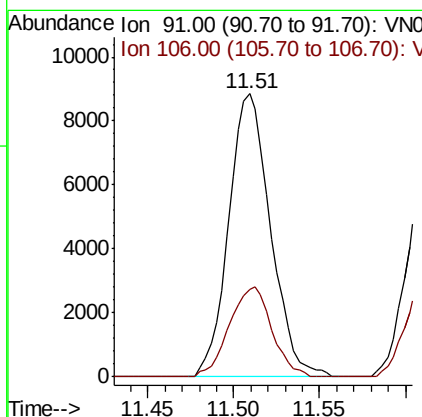
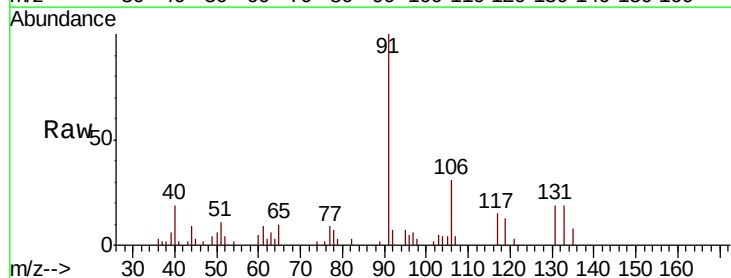
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

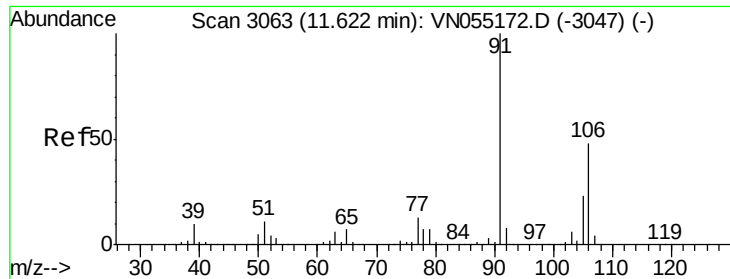
Tot Ion:131 Resp: 3451
 Ion Ratio Lower Upper
 131 100
 133 87.9 47.7 143.1
 119 0.0 33.2 99.6#



#67
 Ethyl Benzene
 Concen: 0.724 ug/l
 RT: 11.51 min Scan# 3028
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 91 Resp: 14941
 Ion Ratio Lower Upper
 91 100
 106 31.1 24.5 36.7





#68

m/p-Xylenes

Concen: 1.379 ug/l

RT: 11.62 min Scan# 3064

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

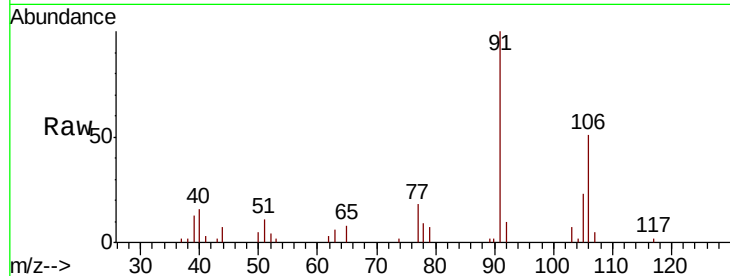
VSTDIC001

Tot Ion:106 Resp: 10208

Ion Ratio Lower Upper

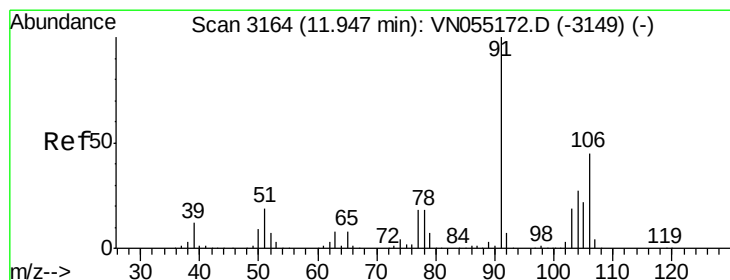
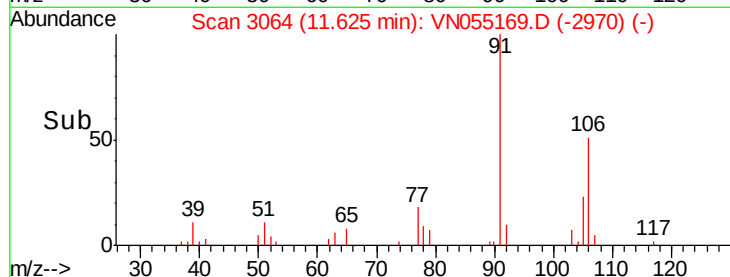
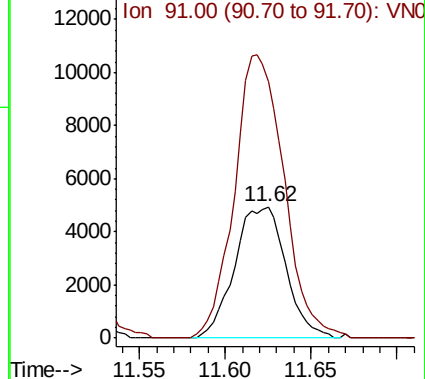
106 100

91 209.4 167.1 250.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN



#69

o-Xylene

Concen: 0.660 ug/l

RT: 11.95 min Scan# 3164

Delta R.T. -0.00 min

Lab File: VN055169.D

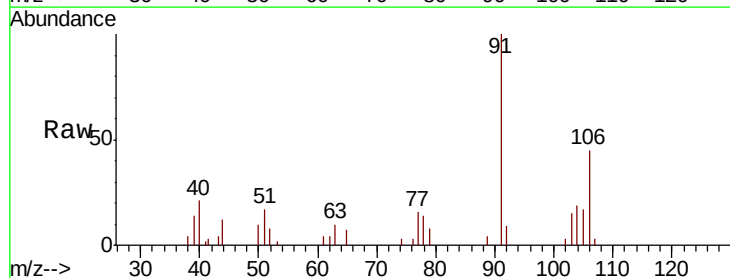
Acq: 22 Apr 2019 9:22

Tgt Ion:106 Resp: 4846

Ion Ratio Lower Upper

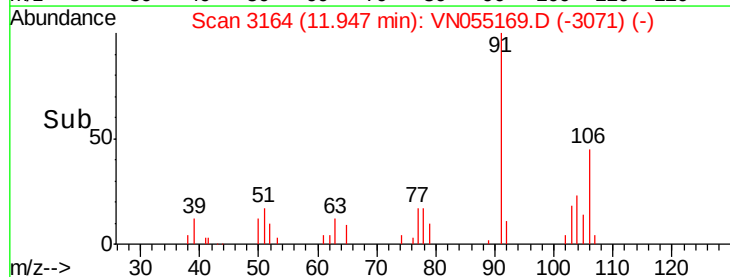
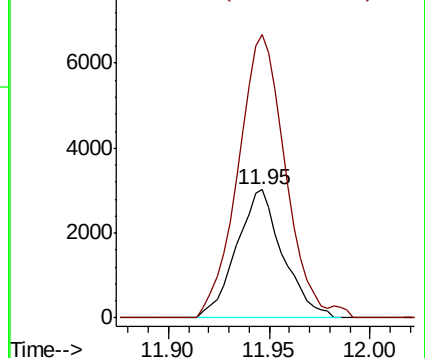
106 100

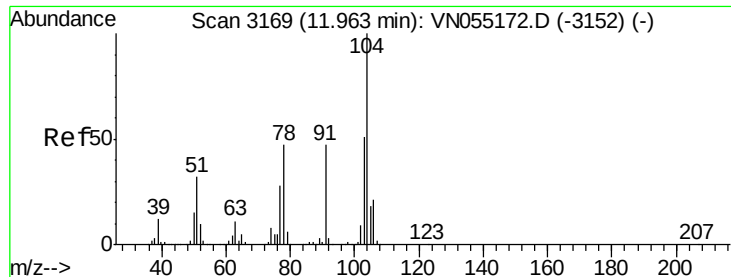
91 227.0 110.6 331.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VN

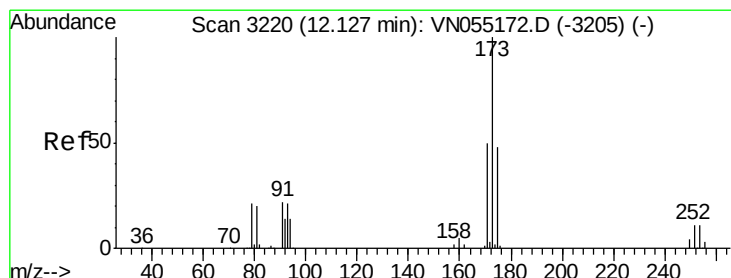
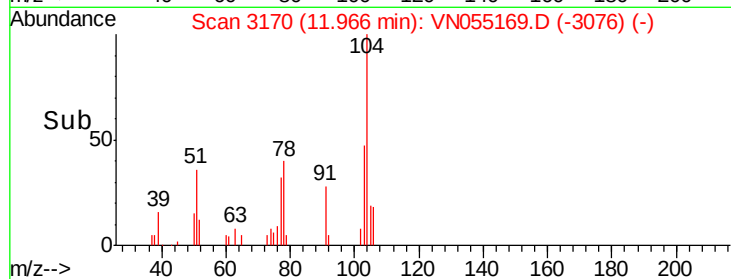
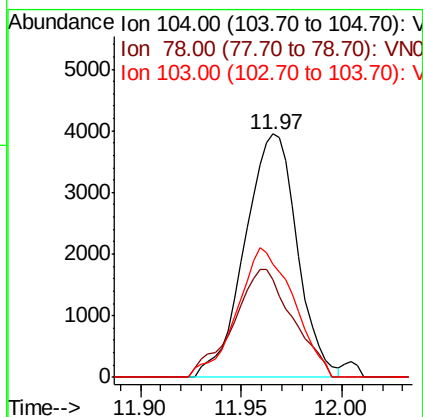
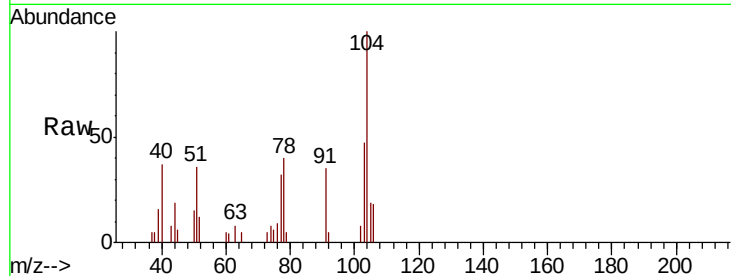




#70
Stvrene
Concen: 0.629 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

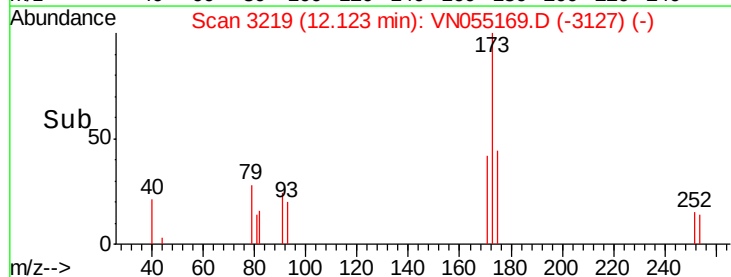
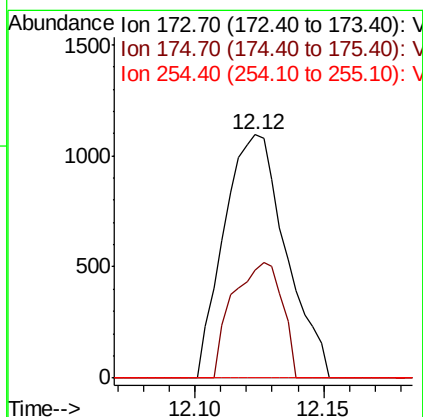
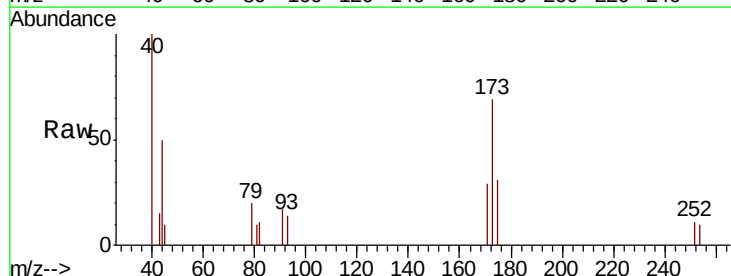
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

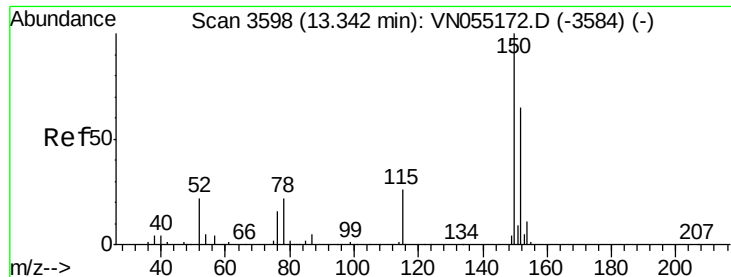
Tot Ion:104 Resp: 7166
Ion Ratio Lower Upper
104 100
78 49.8 41.3 61.9
103 57.3 44.2 66.4



#71
Bromoform
Concen: 0.713 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055169.D
Acq: 22 Apr 2019 9:22

Tgt Ion:173 Resp: 1826
Ion Ratio Lower Upper
173 100
175 38.0 23.8 71.2
254 0.0 0.1 0.1#

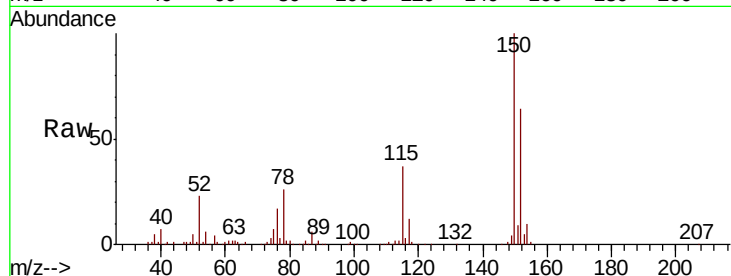




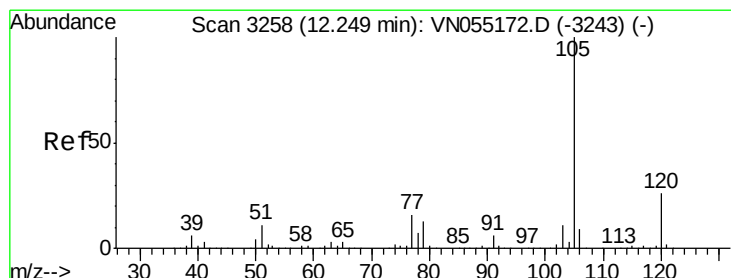
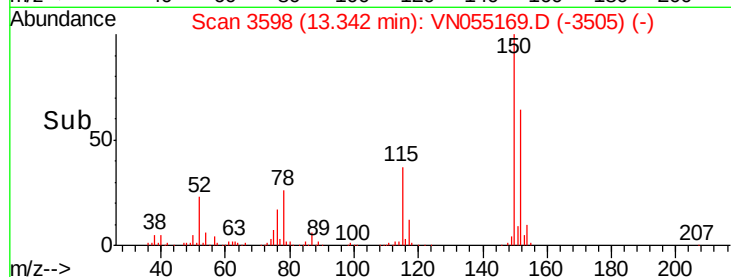
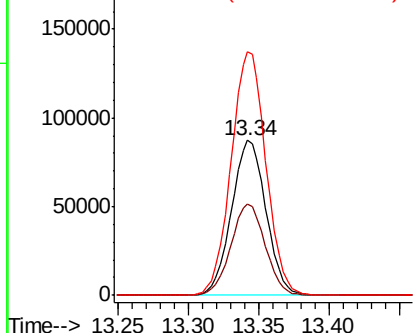
#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	158.5	0.0	346.6

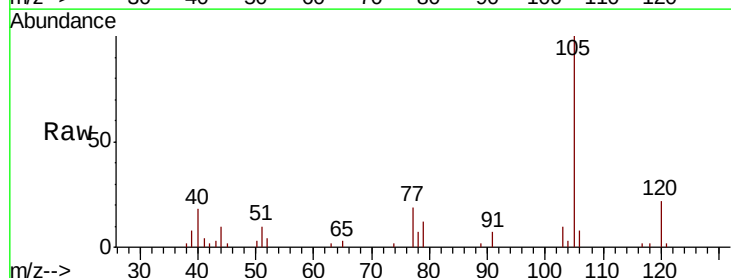


Abundance Ion 151.90 (151.60 to 152.60): V
 Ion 114.90 (114.60 to 115.60): V
 Ion 149.90 (149.60 to 150.60): V

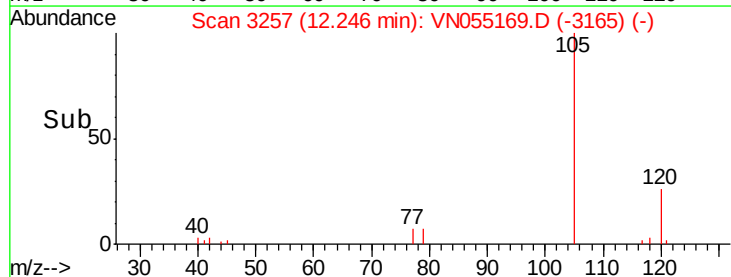
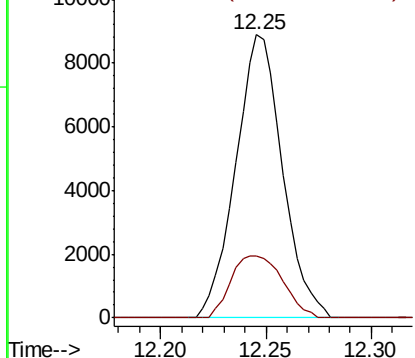


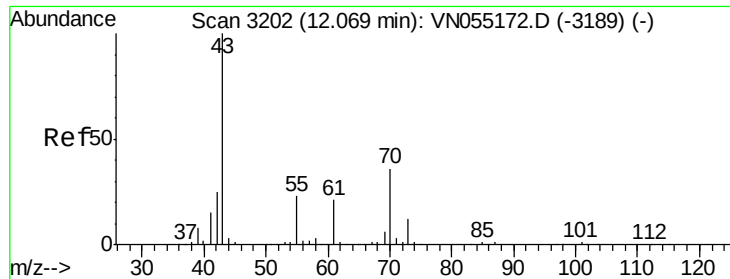
#73
 Isopropylbenzene
 Concen: 0.952 ug/l
 RT: 12.25 min Scan# 3257
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	24.1	13.1	39.1



Abundance Ion 105.00 (104.70 to 105.70): V
 Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.971 ug/l

RT: 12.08 min Scan# 3204

Delta R.T. 0.01 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 3744

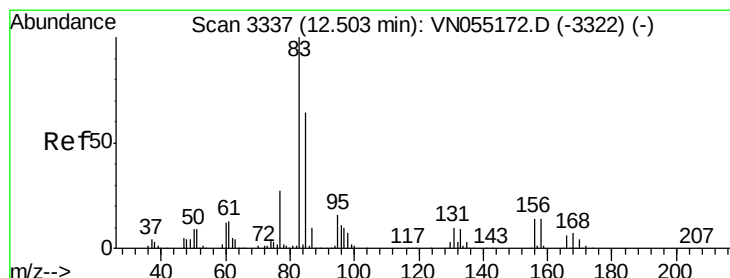
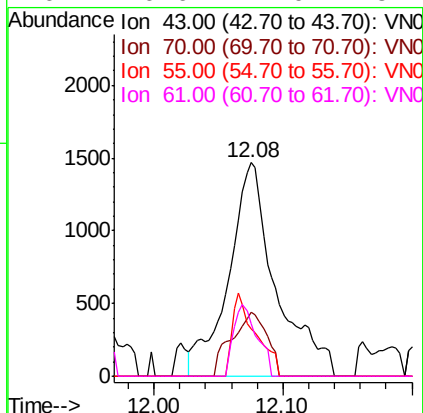
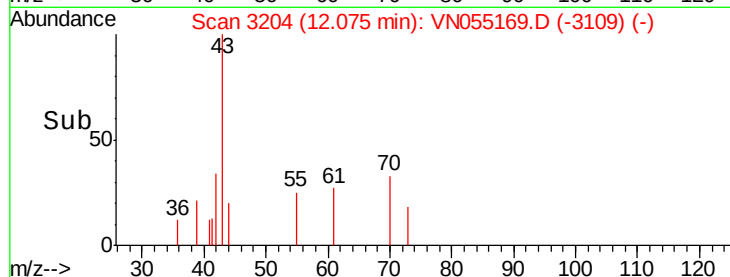
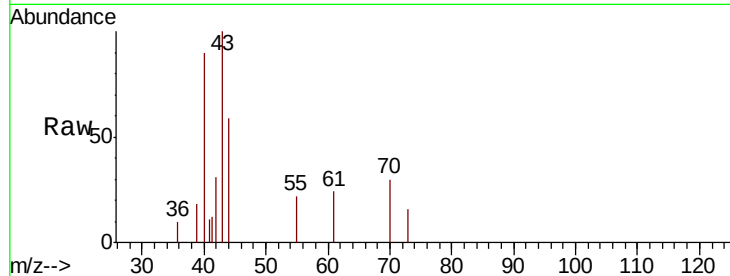
Ion Ratio Lower Upper

43 100

70 22.5 29.0 43.6#

55 19.3 18.5 27.7

61 16.6 17.0 25.4#



#75

1,1,2,2-Tetrachloroethane

Concen: 0.904 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

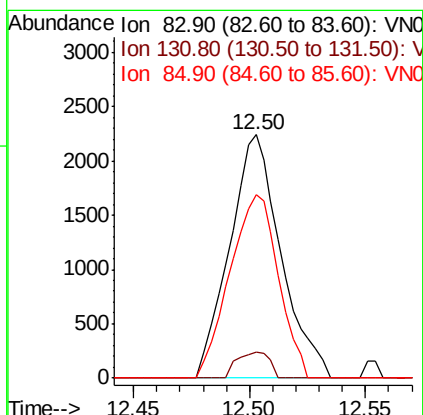
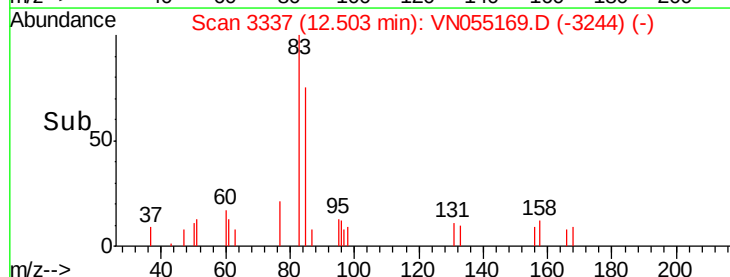
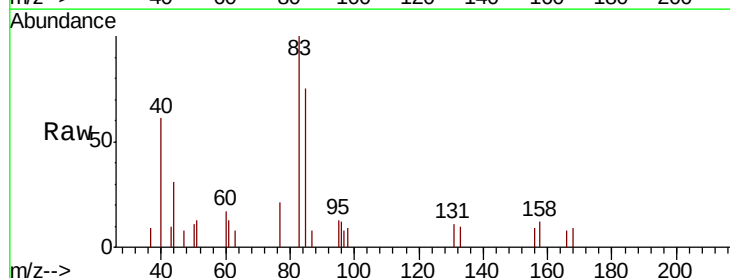
Tgt Ion: 83 Resp: 3435

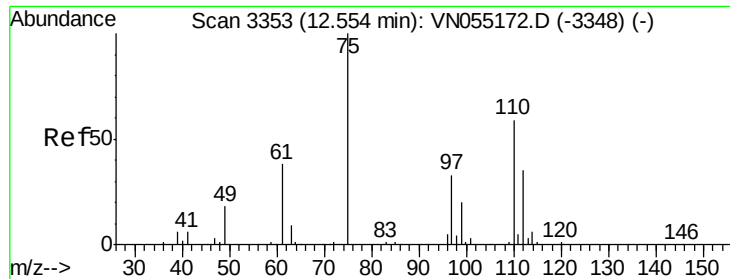
Ion Ratio Lower Upper

83 100

131 6.7 5.0 15.0

85 71.4 32.1 96.3

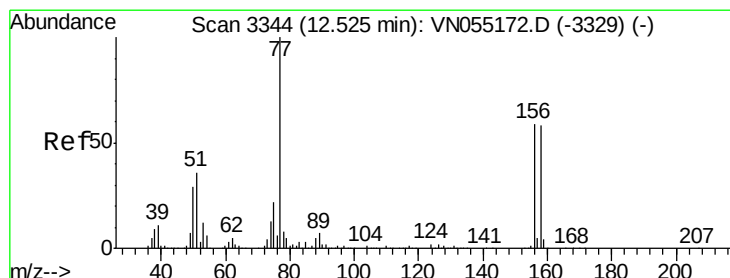
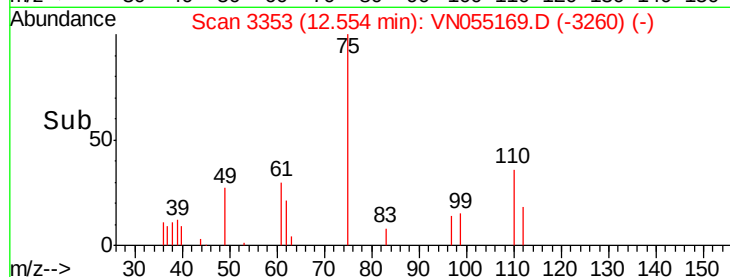
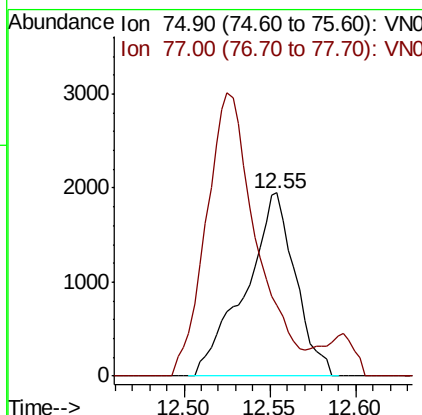
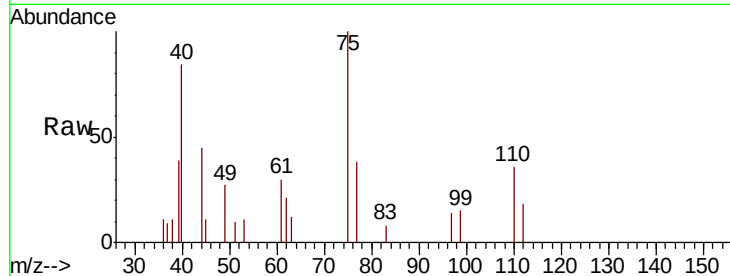




#76
 1,2,3-Trichloropropane
 Concen: 1.405 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

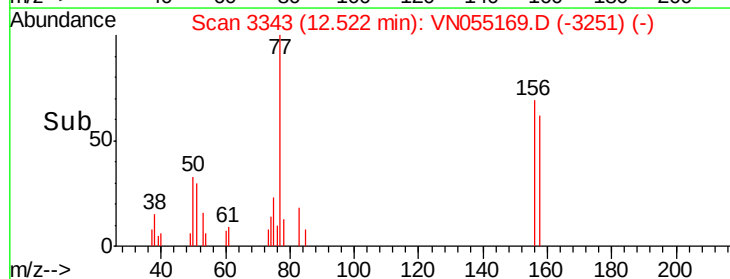
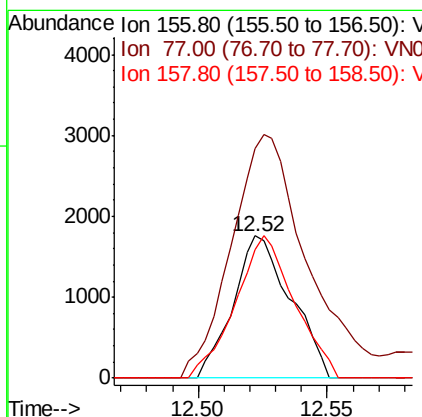
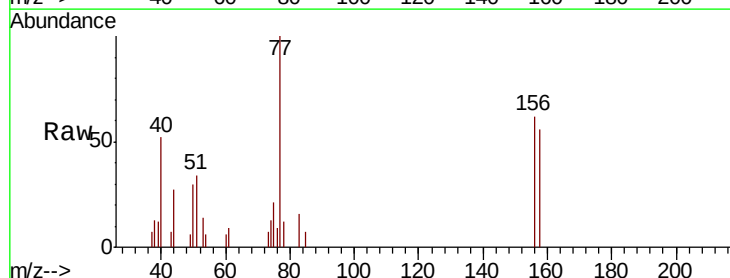
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

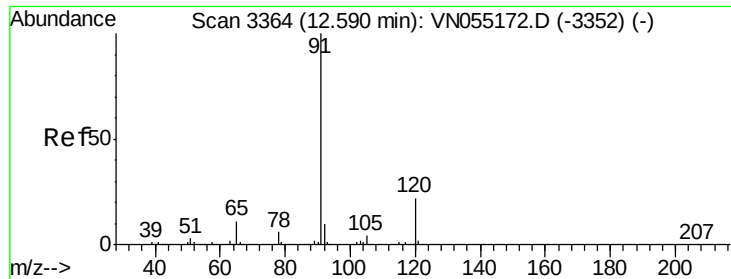
Tot Ion: 75 Resp: 3937
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 0.826 ug/l
 RT: 12.52 min Scan# 3343
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 156 Resp: 2726
 Ion Ratio Lower Upper
 156 100
 77 226.1 98.0 293.9
 158 102.7 48.9 146.8





#78

n-propylbenzene

Concen: 0.814 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

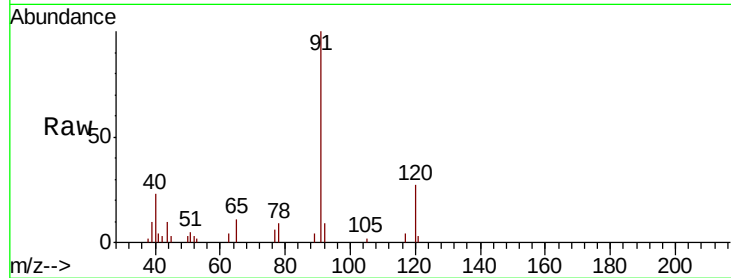
VSTDIC001

Tot Ion: 91 Resp: 12207

Ion Ratio Lower Upper

91 100

120 24.3 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055172.D (-3352) (-)

12.59

8000

6000

4000

2000

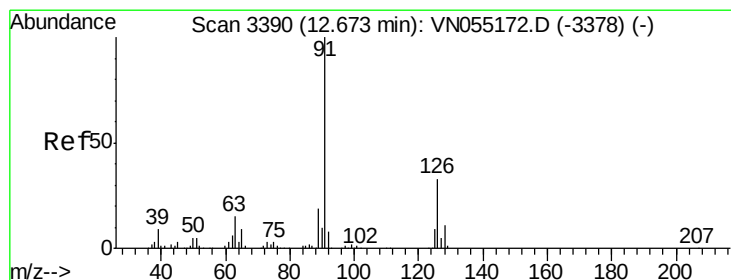
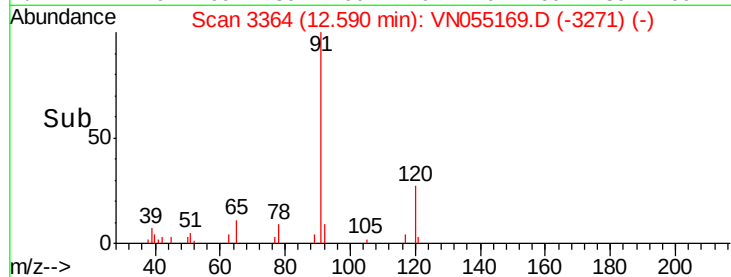
0

12.55

12.60

12.65

Time-->



#79

2-Chlorotoluene

Concen: 0.898 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. -0.00 min

Lab File: VN055169.D

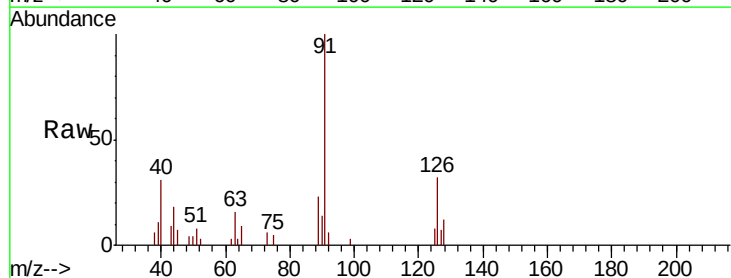
Acq: 22 Apr 2019 9:22

Tgt Ion: 91 Resp: 8506

Ion Ratio Lower Upper

91 100

126 30.5 16.8 50.3



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

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

12.67

6000

5000

4000

3000

2000

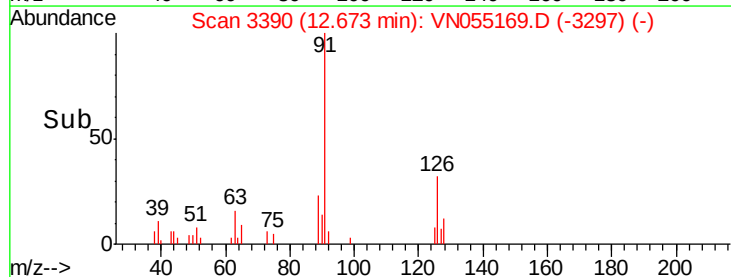
1000

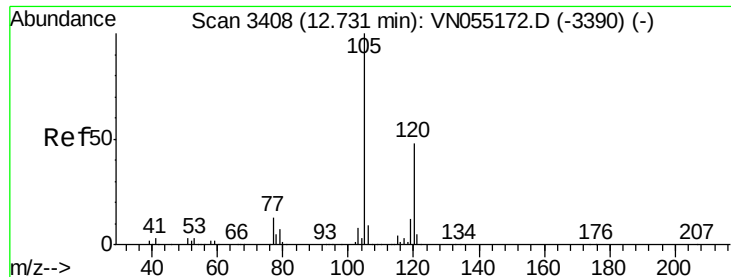
0

12.65

12.70

Time-->

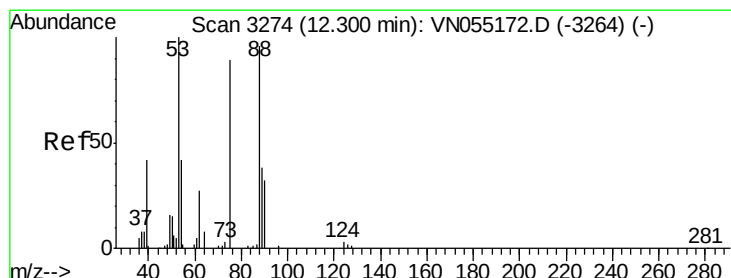
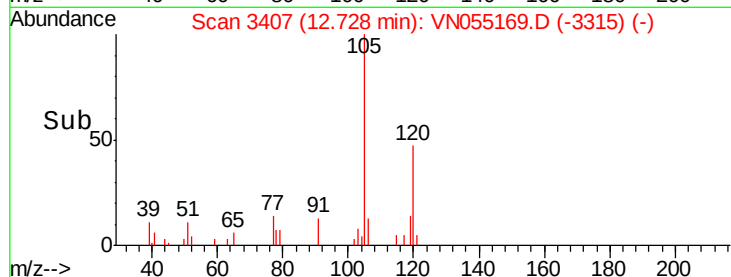
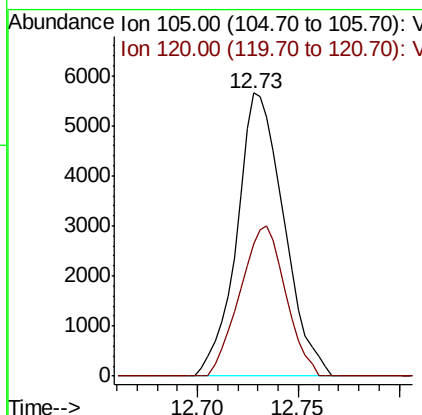
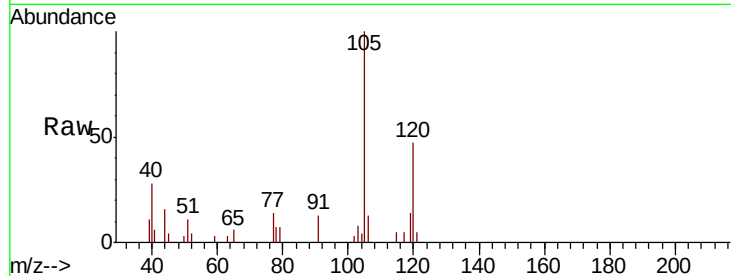




#80
 1,3,5-Trimethylbenzene
 Concen: 0.824 ug/l
 RT: 12.73 min Scan# 3407
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

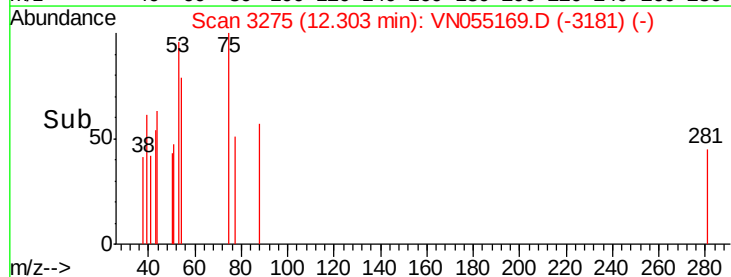
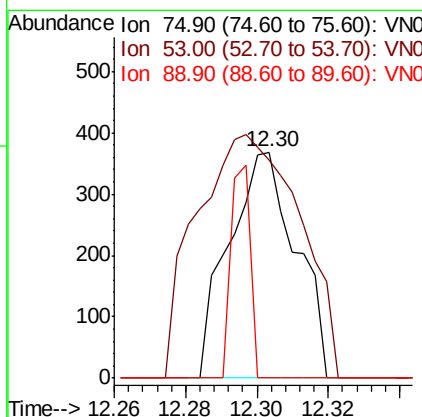
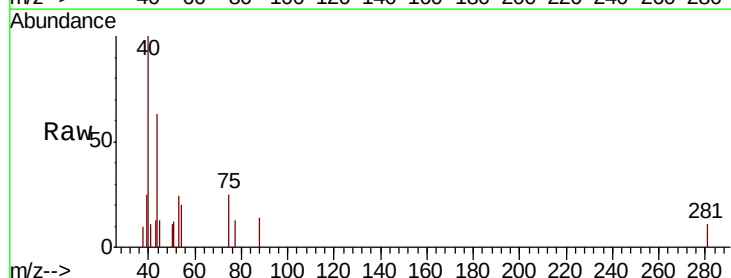
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

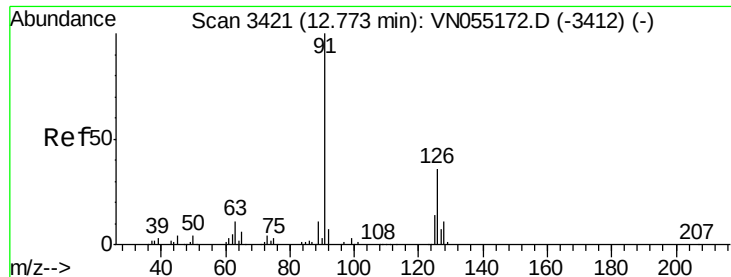
Tot Ion:105 Resp: 9221
 Ion Ratio Lower Upper
 105 100
 120 51.4 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 0.596 ug/l
 RT: 12.30 min Scan# 3275
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion: 75 Resp: 477
 Ion Ratio Lower Upper
 75 100
 53 166.5 90.1 135.1#
 89 27.3 36.7 55.1#





#82

4-Chlorotoluene

Concen: 0.761 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

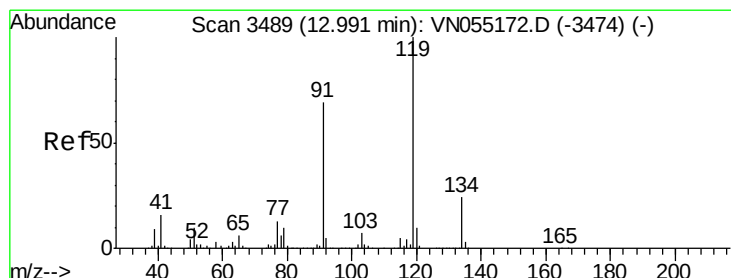
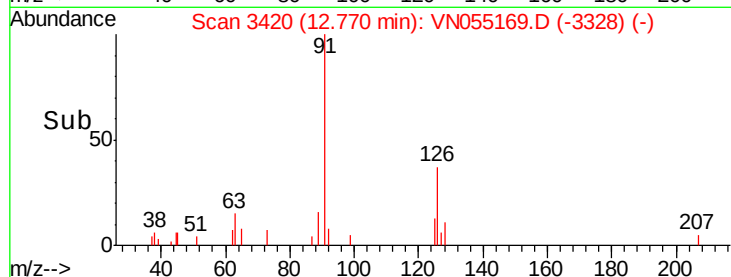
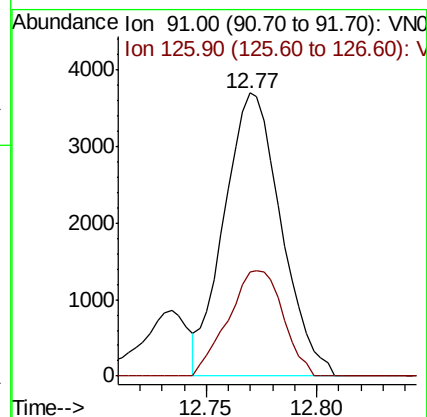
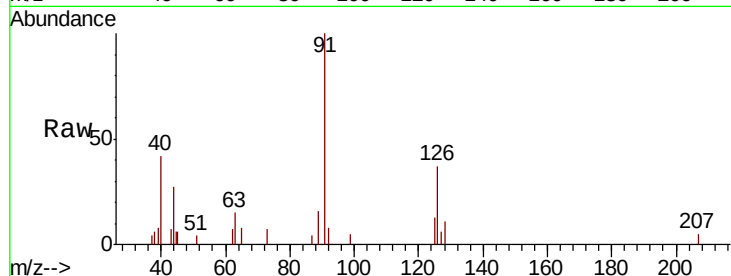
VSTDIC001

Tot Ion: 91 Resp: 6629

Ion Ratio Lower Upper

91 100

126 35.8 16.5 49.5



#83

tert-Butylbenzene

Concen: 0.842 ug/l

RT: 12.99 min Scan# 3489

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

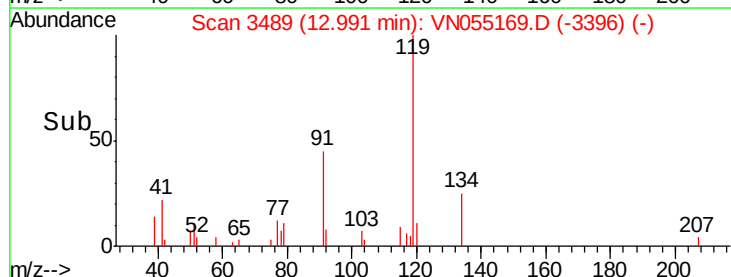
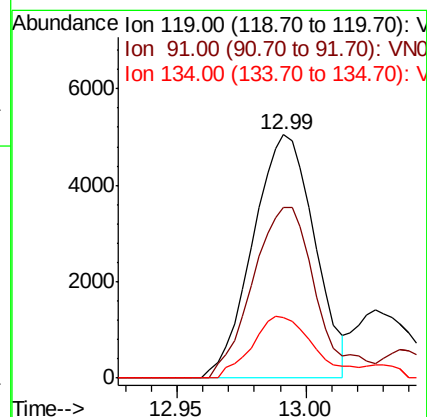
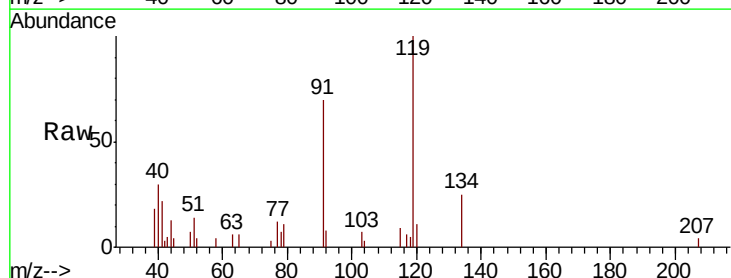
Tgt Ion: 119 Resp: 8432

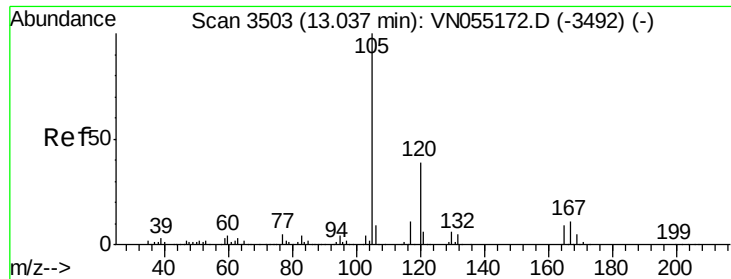
Ion Ratio Lower Upper

119 100

91 72.4 33.8 101.3

134 25.5 13.2 39.5

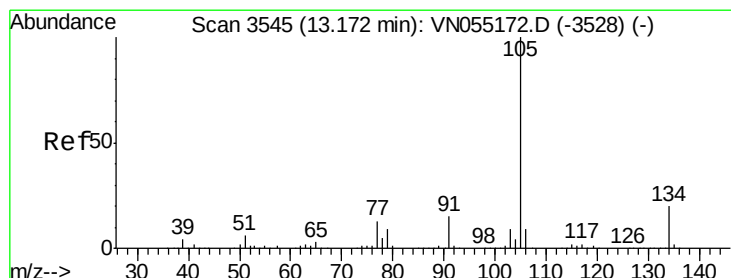
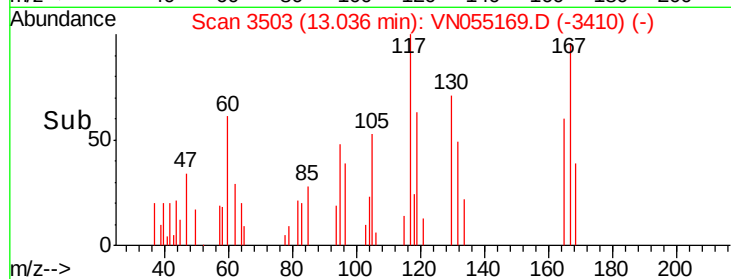
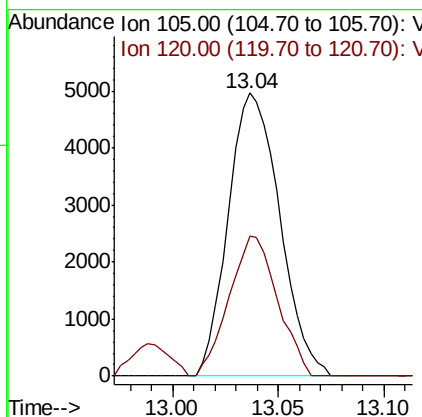
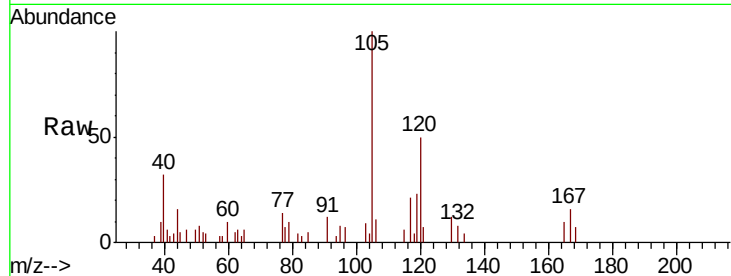




#84
 1,2,4-Trimethylbenzene
 Concen: 0.797 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

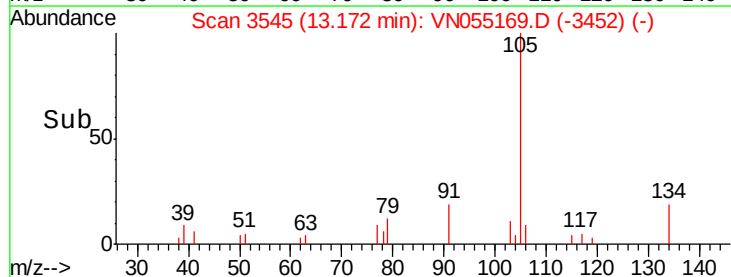
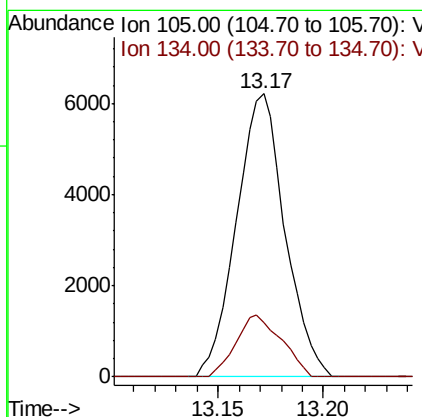
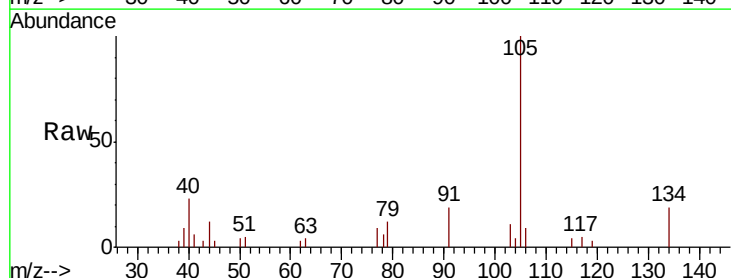
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

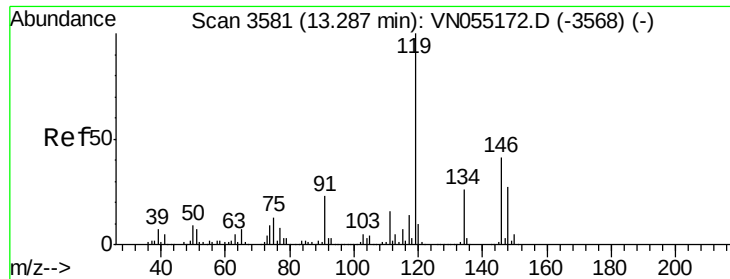
Tot Ion:105 Resp: 8416
 Ion Ratio Lower Upper
 105 100
 120 46.4 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 0.783 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion:105 Resp: 9918
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 30.0

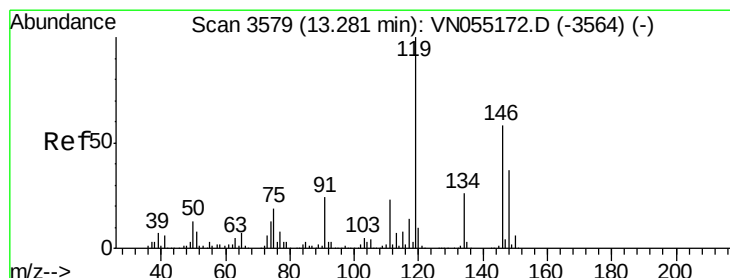
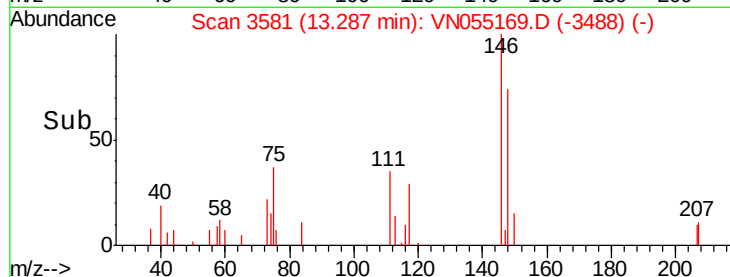
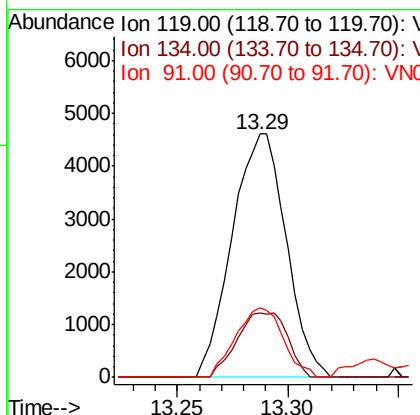
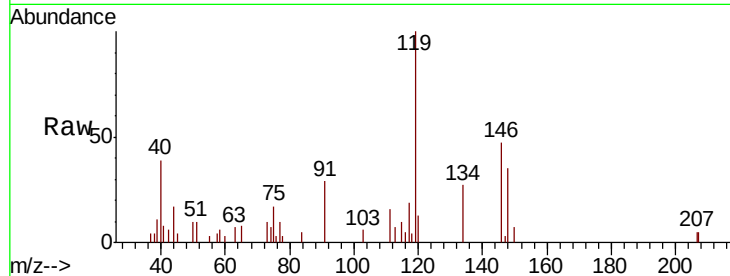




#86
 p-Isopropyltoluene
 Concen: 0.752 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

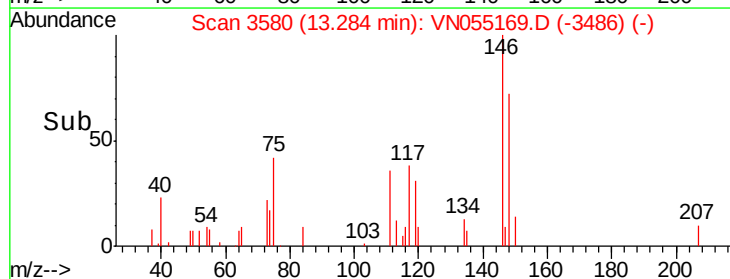
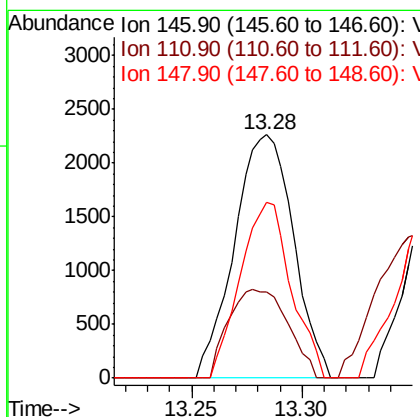
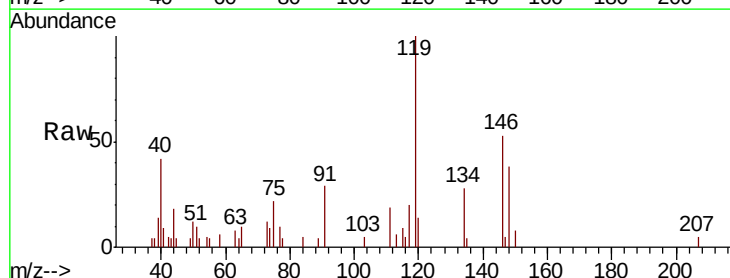
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

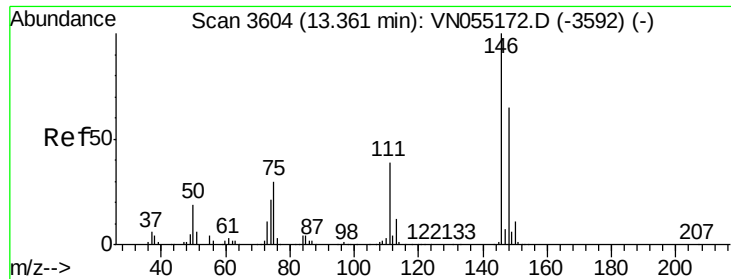
Tot Ion:119 Resp: 7844
 Ion Ratio Lower Upper
 119 100
 134 24.8 13.1 39.3
 91 25.2 11.8 35.3



#87
 1,3-Dichlorobenzene
 Concen: 0.828 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion:146 Resp: 4198
 Ion Ratio Lower Upper
 146 100
 111 36.4 19.7 59.1
 148 62.1 32.0 96.0





#88

1,4-Dichlorobenzene

Concen: 0.851 ug/l

RT: 13.28 min Scan# 3580

Delta R.T. -0.08 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

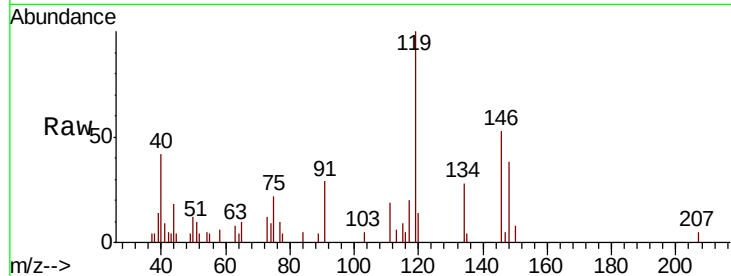
Tot Ion:146 Resp: 4198

Ion Ratio Lower Upper

146 100

111 36.4 19.4 58.2

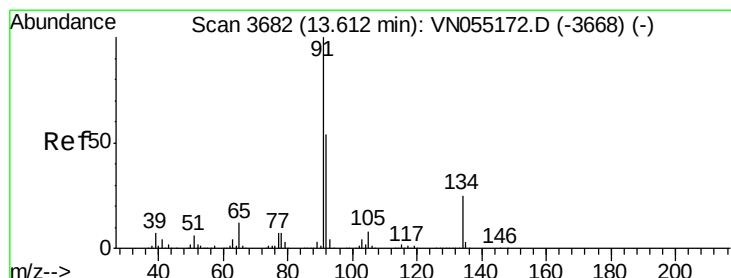
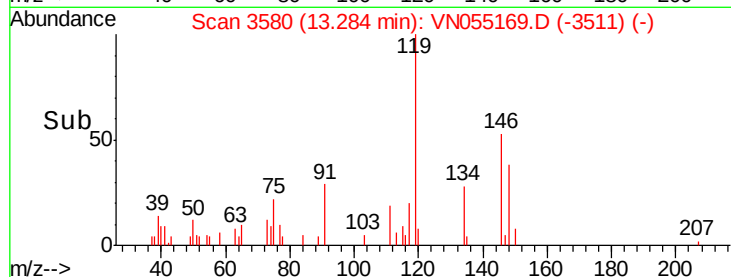
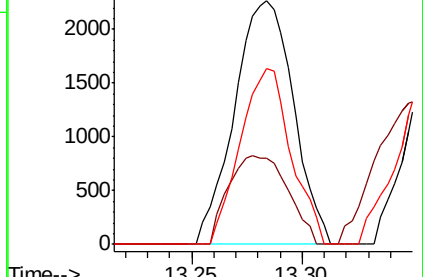
148 62.1 32.9 98.6



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 0.595 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

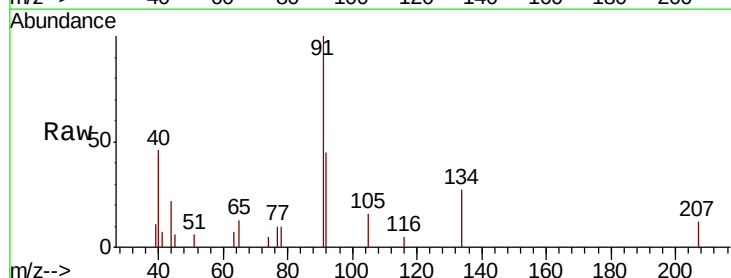
Tgt Ion: 91 Resp: 4602

Ion Ratio Lower Upper

91 100

92 50.5 26.4 79.2

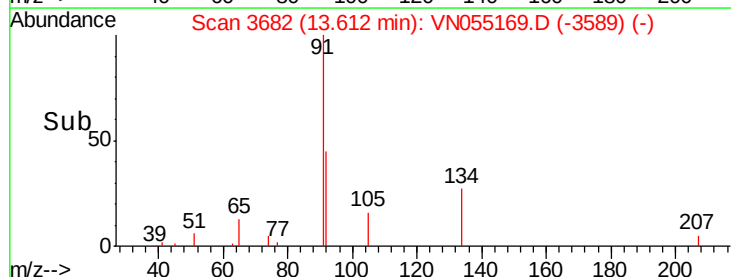
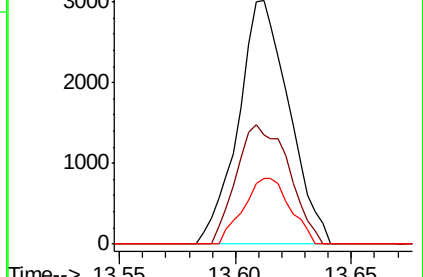
134 24.8 12.8 38.4

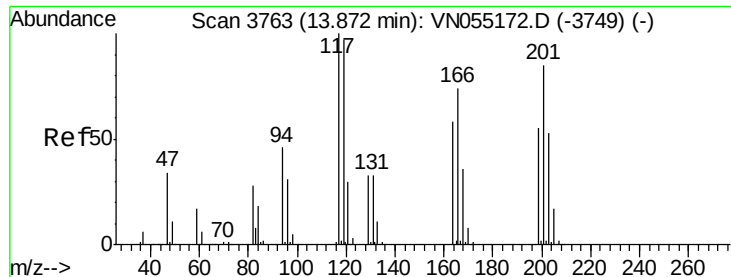


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.976 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampled :

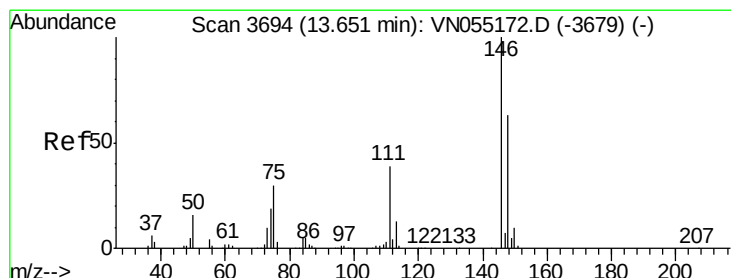
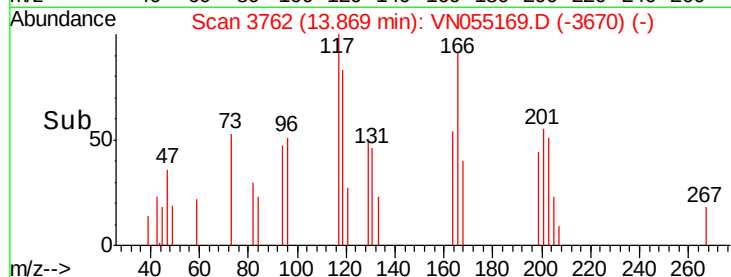
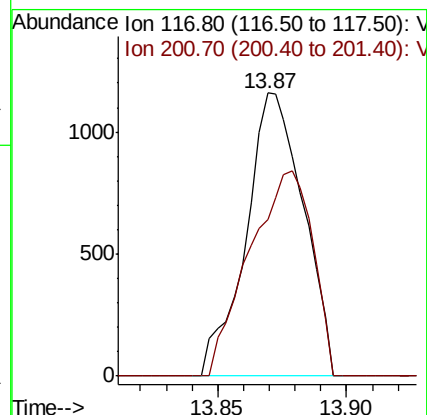
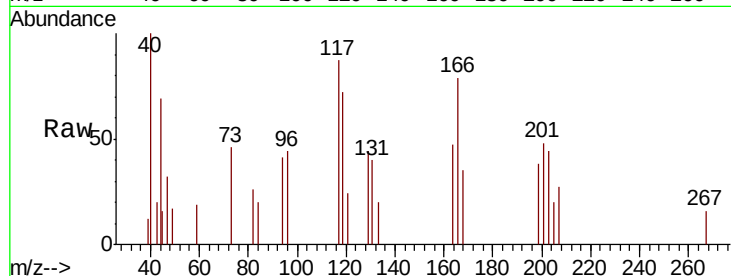
VSTDIC001

Tot Ion:117 Resp: 1807

Ion Ratio Lower Upper

117 100

201 79.4 43.1 129.4



#91

1,2-Dichlorobenzene

Concen: 0.695 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

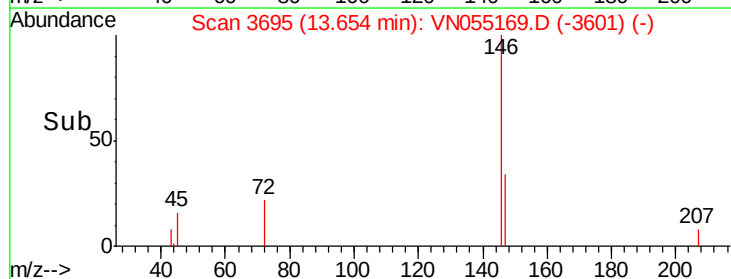
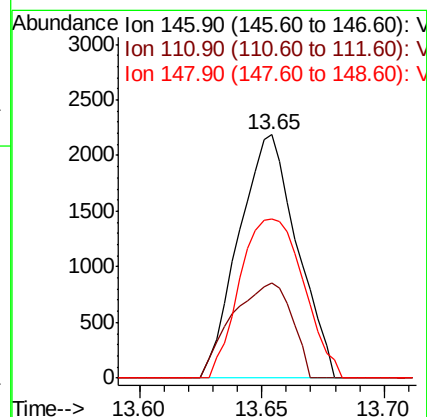
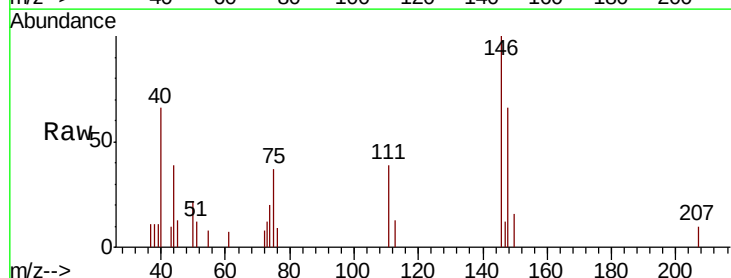
Tgt Ion:146 Resp: 3618

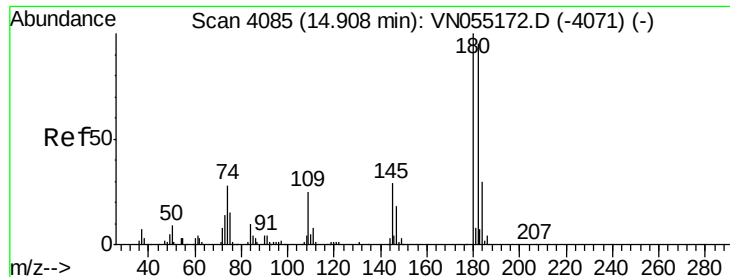
Ion Ratio Lower Upper

146 100

111 40.2 19.8 59.3

148 71.9 31.7 95.1

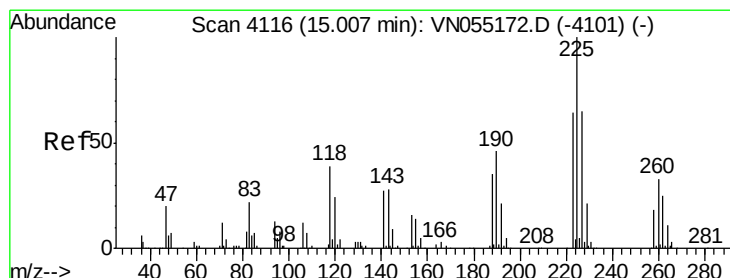
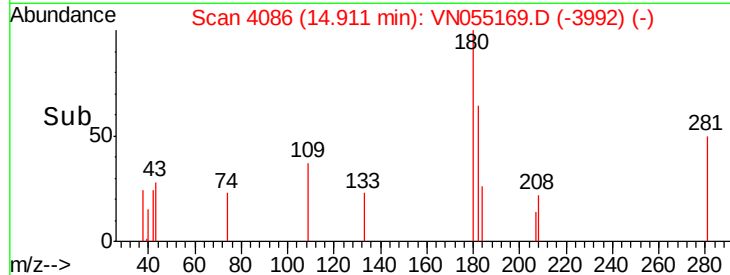
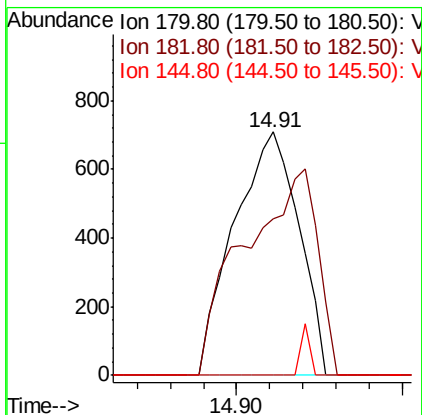
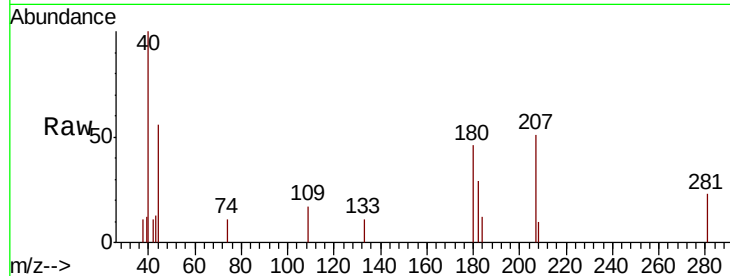




#93
 1,2,4-Trichlorobenzene
 Concen: 0.524 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

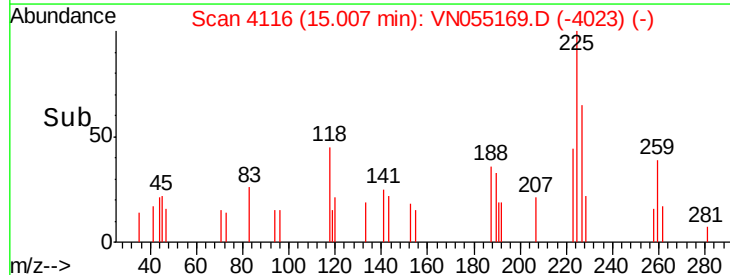
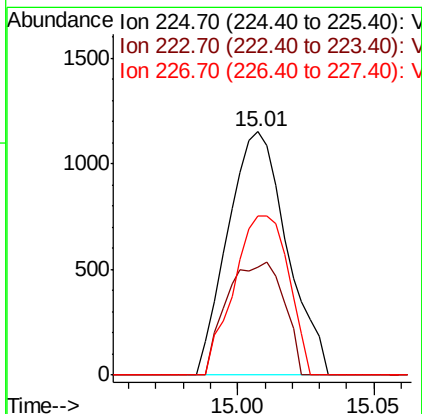
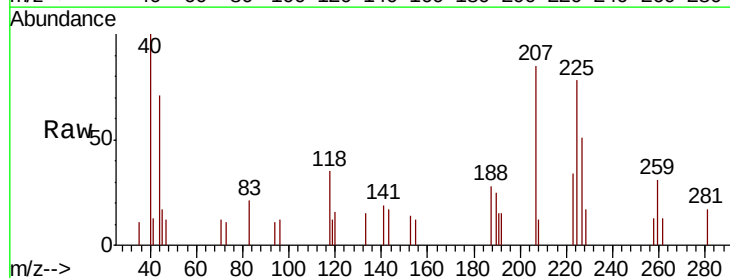
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

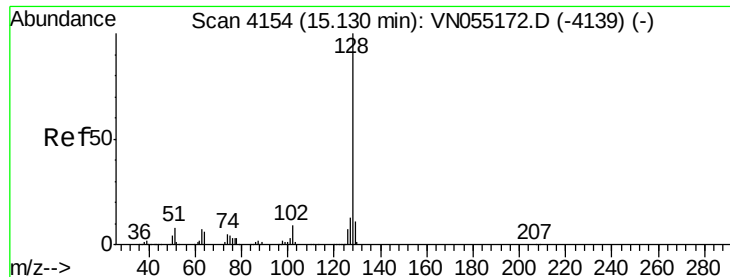
Tot Ion:180 Resp: 963
 Ion Ratio Lower Upper
 180 100
 182 95.8 47.8 143.4
 145 3.0 14.5 43.5#



#94
 Hexachlorobutadiene
 Concen: 0.929 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN055169.D
 Acq: 22 Apr 2019 9:22

Tgt Ion:225 Resp: 1730
 Ion Ratio Lower Upper
 225 100
 223 44.7 32.2 96.6
 227 60.3 32.6 98.0





#95

Naphthalene

Concen: 0.658 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

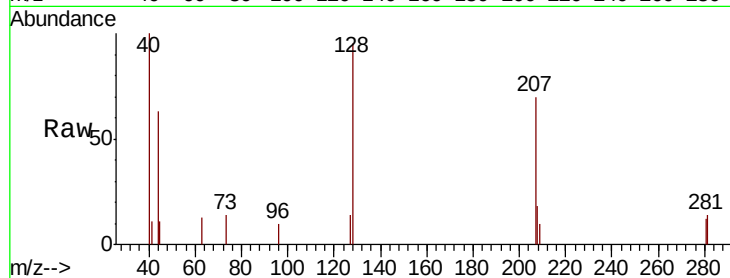
Tot Ion:128 Resp: 2556

Ion Ratio Lower Upper

128 100

127 4.6 10.3 15.5#

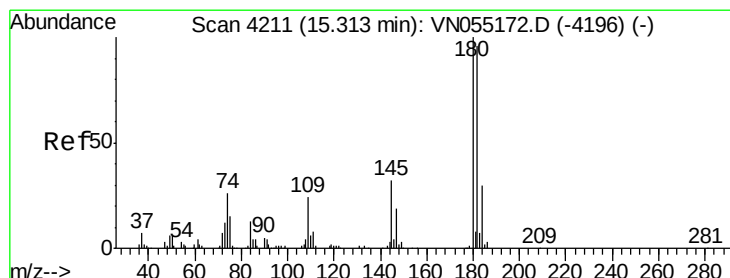
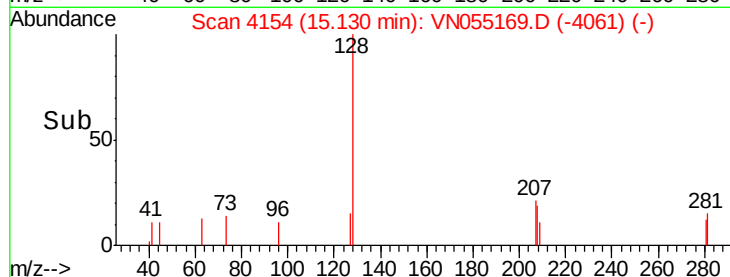
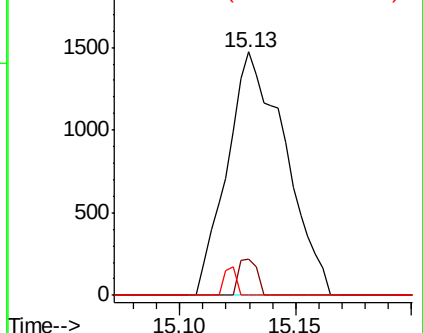
129 2.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.473 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN055169.D

Acq: 22 Apr 2019 9:22

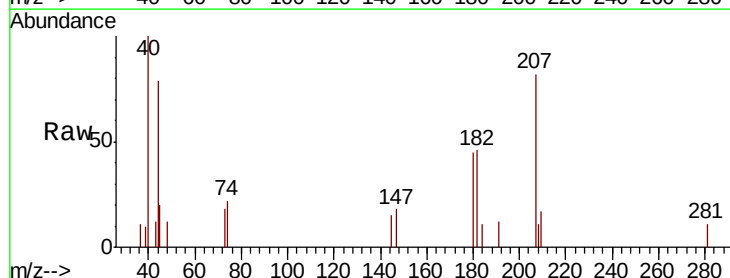
Tgt Ion:180 Resp: 904

Ion Ratio Lower Upper

180 100

182 111.6 47.2 141.6

145 12.7 15.4 46.1#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

