

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055178.D
 Acq On : 22 Apr 2019 13:13
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 23 05:04:21 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	7.67	168	402284	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	660763	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	539497	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	141635	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	8203	1.39	ug/l	0.00
Spiked Amount			Recovery	=	2.78%	
35) Dibromofluoromethane	7.59	113	6002	1.27	ug/l	0.00
Spiked Amount			Recovery	=	2.54%	
50) Toluene-d8	10.09	98	19828	1.16	ug/l	0.00
Spiked Amount			Recovery	=	2.32%	
62) 4-Bromofluorobenzene	12.40	95	6120	1.13	ug/l	0.00
Spiked Amount			Recovery	=	2.26%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	4367	0.843	ug/l	92
3) Chloromethane	2.06	50	6159	0.970	ug/l #	84
4) Vinyl Chloride	2.19	62	4736	0.931	ug/l #	87
5) Bromomethane	2.56	94	3517	1.192	ug/l	89
6) Chloroethane	2.70	64	2298	0.836	ug/l #	85
7) Trichlorofluoromethane	3.02	101	6300	0.910	ug/l	99
8) Diethyl Ether	3.41	74	1375	0.557	ug/l #	1
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4613	1.068	ug/l #	65
10) Methyl Iodide	3.96	142	4532	0.781	ug/l	95
11) Tert butyl alcohol	4.79	59	1424	4.559	ug/l #	71
12) 1,1-Dichloroethene	3.74	96	4090	0.988	ug/l	95
13) Acrolein	3.61	56	1979	4.653	ug/l #	60
14) Allyl chloride	4.32	41	7718	0.943	ug/l #	83
15) Acrylonitrile	5.00	53	8035	4.609	ug/l #	73
16) Acetone	3.82	43	9090	5.050	ug/l	92
17) Carbon Disulfide	4.06	76	11090	0.958	ug/l #	94
18) Methyl Acetate	4.33	43	8741	1.760	ug/l #	66
19) Methyl tert-butyl Ether	5.05	73	11275	0.985	ug/l	97
20) Methylene Chloride	4.56	84	6229	1.204	ug/l	94
21) trans-1,2-Dichloroethene	5.04	96	2053	0.473	ug/l #	80
22) Diisopropyl ether	5.96	45	15886	0.974	ug/l #	95
23) Vinyl Acetate	5.90	43	46802	4.270	ug/l	99
24) 1,1-Dichloroethane	5.85	63	8911	1.016	ug/l #	95
25) 2-Butanone	6.85	43	11550	4.970	ug/l	98
26) 2,2-Dichloropropane	6.82	77	3646	0.614	ug/l	89
27) cis-1,2-Dichloroethene	6.84	96	5031	1.006	ug/l	98
28) Bromochloromethane	7.19	49	2522	0.564	ug/l #	26
29) Tetrahydrofuran	7.21	42	3303	2.261	ug/l #	58
30) Chloroform	7.38	83	8527	1.022	ug/l	96
31) Cyclohexane	7.66	56	16670	1.655	ug/l #	43
32) 1,1,1-Trichloroethane	7.57	97	6487	0.968	ug/l #	53
36) 1,1-Dichloropropene	7.79	75	5032	0.820	ug/l	90
38) Carbon Tetrachloride	7.77	117	2228	0.364	ug/l	92
39) Methylcyclohexane	9.08	83	7512	1.027	ug/l	86

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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.05	78	17836	0.942	ug/l	92
41) Methacrylonitrile	7.18	41	1817	0.719	ug/l #	86
42) 1,2-Dichloroethane	8.13	62	6560	0.993	ug/l	84
43) Isopropyl Acetate	8.17	43	6367	0.794	ug/l	95
44) Trichloroethene	8.83	130	4636	0.969	ug/l	84
45) 1,2-Dichloropropane	9.12	63	5218	0.976	ug/l	91
46) Dibromomethane	9.21	93	3125	1.022	ug/l	90
47) Bromodichloromethane	9.40	83	5482	0.895	ug/l	88
48) Methyl methacrylate	9.20	41	4330	1.114	ug/l	87
49) 1,4-Dioxane	9.21	88	823	18.331	ug/l #	71
51) 4-Methyl-2-Pentanone	9.99	43	22698	4.922	ug/l	97
52) Toluene	10.16	92	10119	0.912	ug/l	93
53) t-1,3-Dichloropropene	10.39	75	5007	0.891	ug/l	95
54) cis-1,3-Dichloropropene	9.84	75	6358	0.912	ug/l	92
55) 1,1,2-Trichloroethane	10.56	97	4108	1.004	ug/l	88
56) Ethyl methacrylate	10.43	69	4580	0.899	ug/l	89
57) 1,3-Dichloropropane	10.71	76	6841	0.961	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.69	63	6458	3.930	ug/l	100
59) 2-Hexanone	10.75	43	13735	4.715	ug/l	96
60) Dibromochloromethane	10.90	129	3693	0.876	ug/l	99
61) 1,2-Dibromoethane	11.01	107	3609	0.938	ug/l	98
64) Tetrachloroethene	10.63	164	4188	0.952	ug/l	85
65) Chlorobenzene	11.43	112	11670	1.060	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.50	131	3919	0.960	ug/l #	65
67) Ethyl Benzene	11.51	91	18490	0.943	ug/l	99
68) m/p-Xylenes	11.62	106	13019	1.851	ug/l	98
69) o-Xylene	11.95	106	6297	0.902	ug/l	88
70) Stvrene	11.96	104	8578	0.793	ug/l	93
71) Bromoform	12.13	173	2213	0.909	ug/l #	97
73) Isopropylbenzene	12.25	105	16793	1.235	ug/l	99
74) N-amyl acetate	12.07	43	3861	1.057	ug/l	93
75) 1,1,2,2-Tetrachloroethane	12.50	83	5043	1.402	ug/l #	95
76) 1,2,3-Trichloropropane	12.55	75	5141	1.937	ug/l #	100
77) Bromobenzene	12.53	156	3580	1.145	ug/l	90
78) n-propylbenzene	12.59	91	15442	1.087	ug/l	98
79) 2-Chlorotoluene	12.67	91	10448	1.165	ug/l	98
80) 1,3,5-Trimethylbenzene	12.73	105	11404	1.076	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.30	75	940	1.240	ug/l #	92
82) 4-Chlorotoluene	12.77	91	9002	1.091	ug/l	93
83) tert-Butylbenzene	12.99	119	11616	1.225	ug/l	95
84) 1,2,4-Trimethylbenzene	13.04	105	10507	1.050	ug/l	95
85) sec-Butylbenzene	13.17	105	14747	1.229	ug/l	99
86) p-Isopropyltoluene	13.29	119	10562	1.069	ug/l	95
87) 1,3-Dichlorobenzene	13.28	146	4900	1.021	ug/l	99
88) 1,4-Dichlorobenzene	13.28	146	4900	1.048	ug/l	97
89) n-Butylbenzene	13.62	91	7327	1.000	ug/l	95
90) Hexachloroethane	13.87	117	2163	1.234	ug/l	95
91) 1,2-Dichlorobenzene	13.65	146	5506	1.117	ug/l	97
92) 1,2-Dibromo-3-Chloropropan	14.27	75	505	1.174	ug/l	69
93) 1,2,4-Trichlorobenzene	14.91	180	1790	1.028	ug/l	83

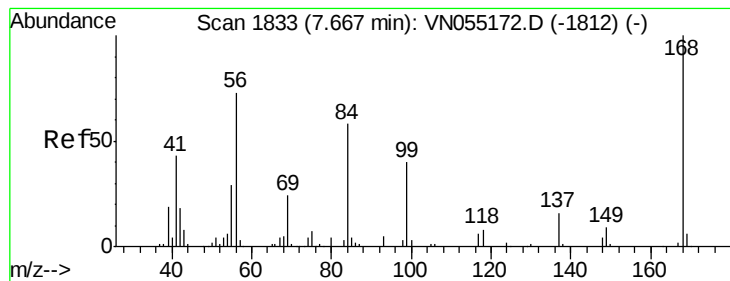
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.01	225	2538	1.438	ug/l	92
95) Naphthalene	15.14	128	3778	1.028	ug/l #	93
96) 1,2,3-Trichlorobenzene	15.32	180	1952	1.078	ug/l	83

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

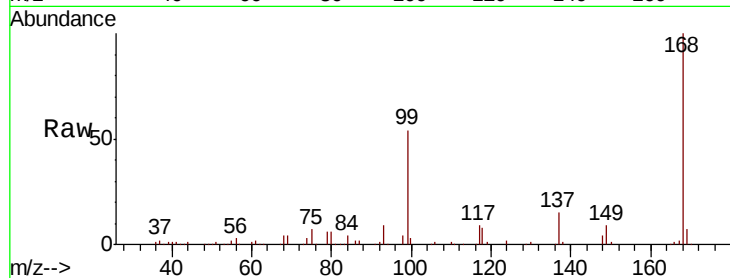
VSTDIC001

Tot Ion:168 Resp: 402284

Ion Ratio Lower Upper

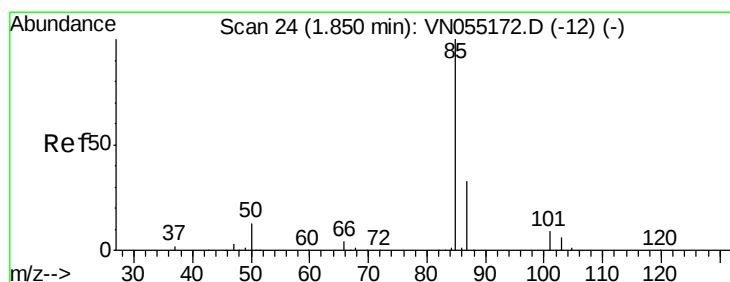
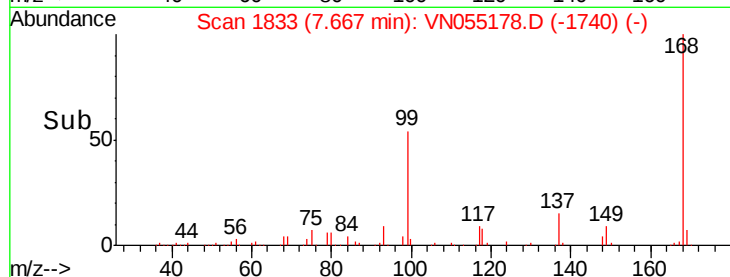
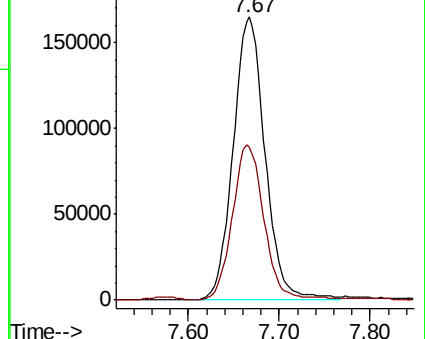
168 100

99 53.8 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.843 ug/l

RT: 1.85 min Scan# 24

Delta R.T. 0.00 min

Lab File: VN055178.D

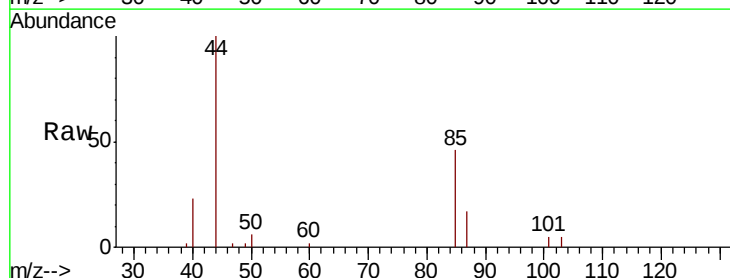
Acq: 22 Apr 2019 13:13

Tgt Ion: 85 Resp: 4367

Ion Ratio Lower Upper

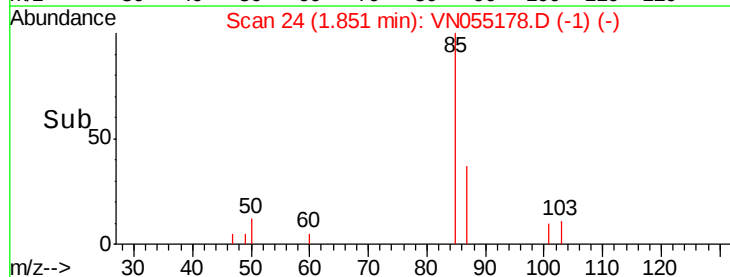
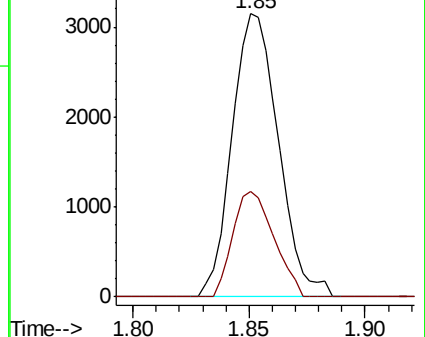
85 100

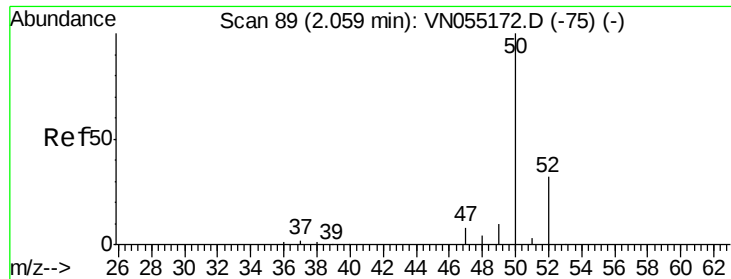
87 37.5 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 0.970 ug/l

RT: 2.06 min Scan# 90

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

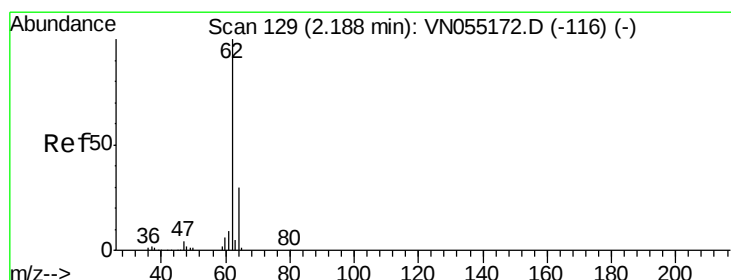
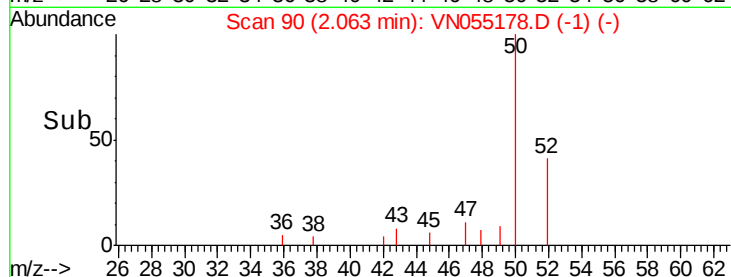
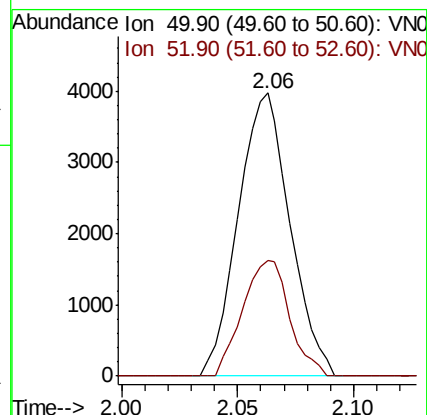
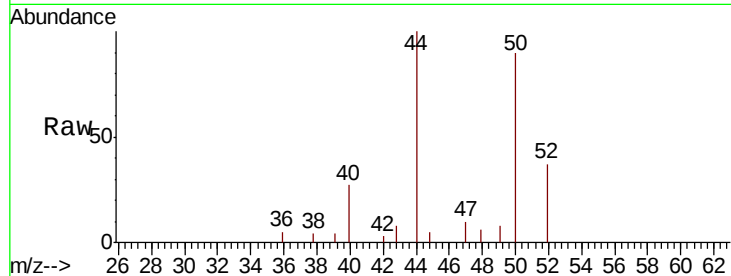
VSTDIC001

Tot Ion: 50 Resp: 6159

Ion Ratio Lower Upper

50 100

52 41.1 25.8 38.6#



#4

Vinyl Chloride

Concen: 0.931 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055178.D

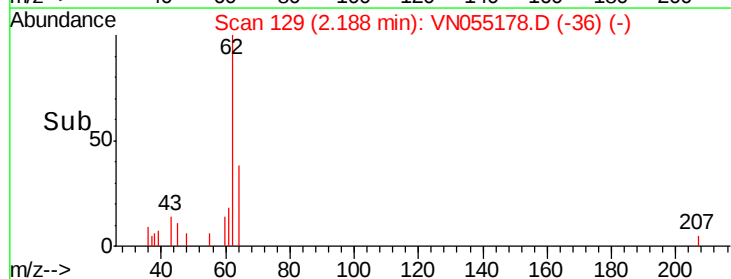
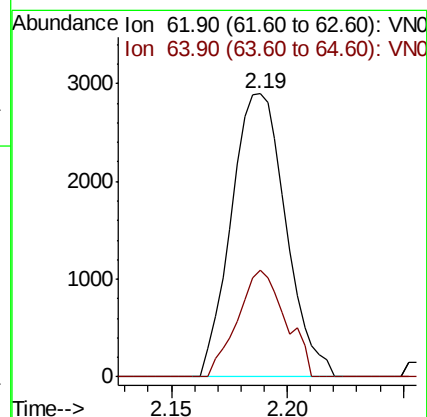
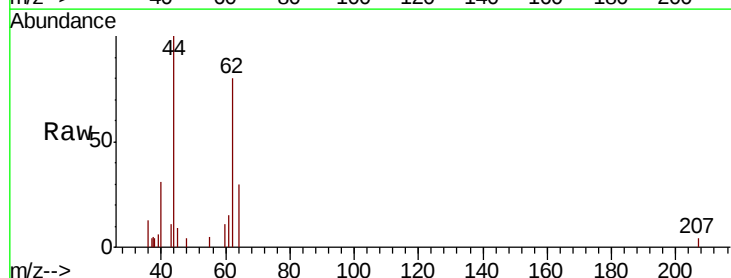
Acq: 22 Apr 2019 13:13

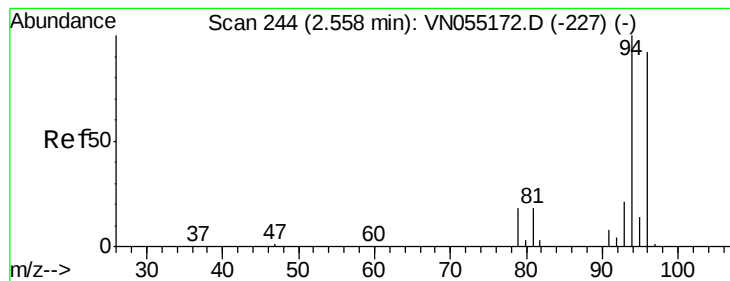
Tgt Ion: 62 Resp: 4736

Ion Ratio Lower Upper

62 100

64 37.6 24.2 36.4#





#5

Bromomethane

Concen: 1.192 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

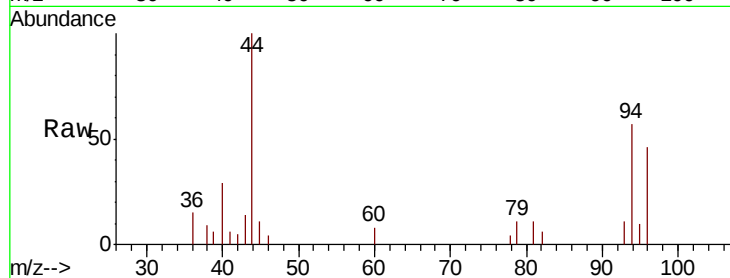
VSTDIC001

Tot Ion: 94 Resp: 3517

Ion Ratio Lower Upper

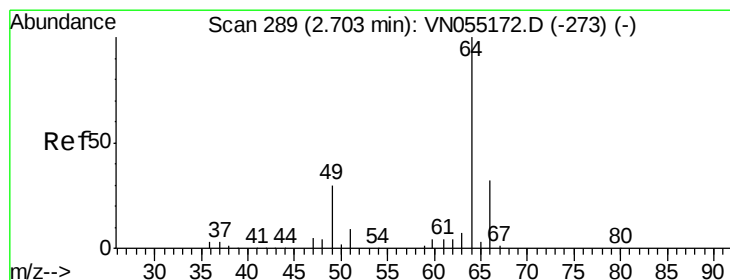
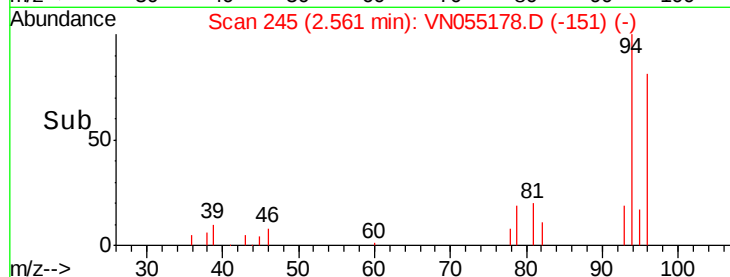
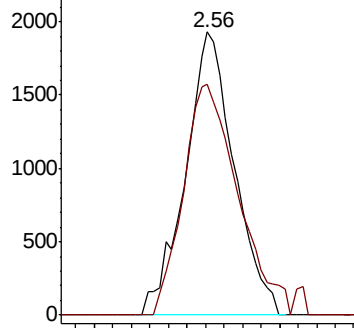
94 100

96 81.4 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: 0.836 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055178.D

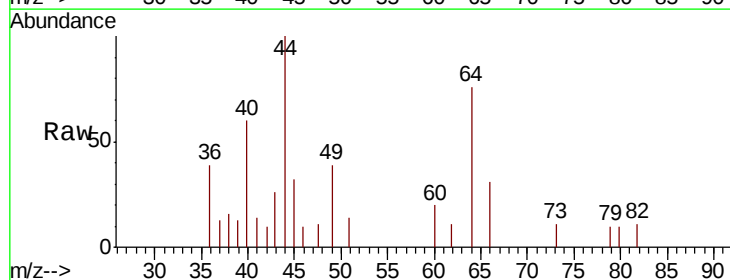
Acq: 22 Apr 2019 13:13

Tgt Ion: 64 Resp: 2298

Ion Ratio Lower Upper

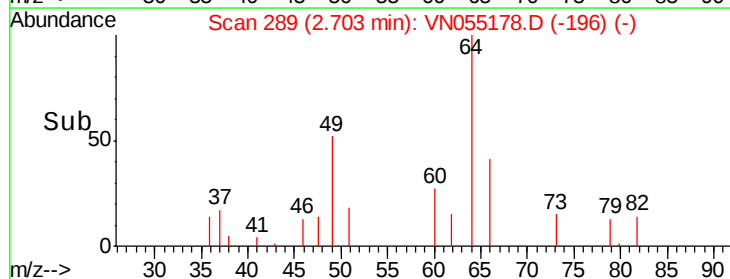
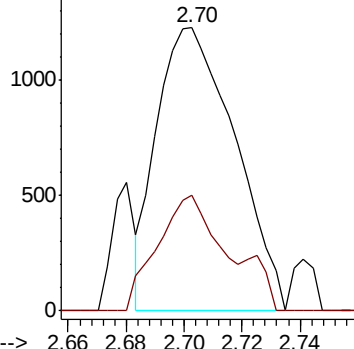
64 100

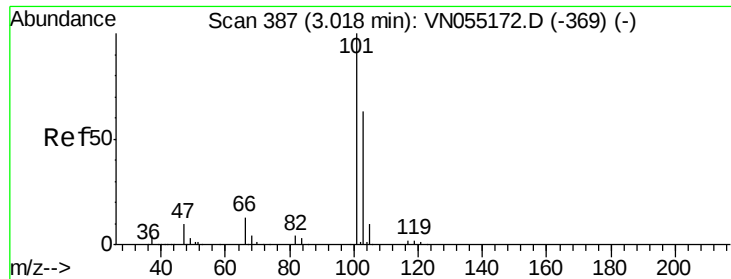
66 40.8 25.9 38.9#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



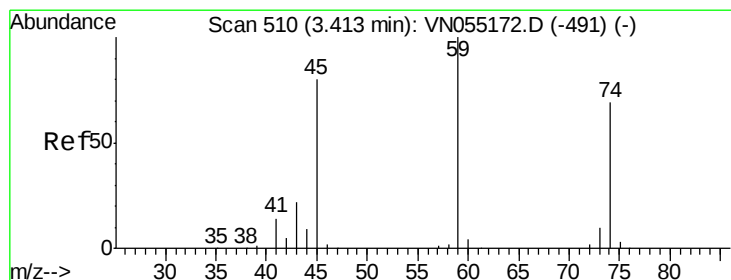
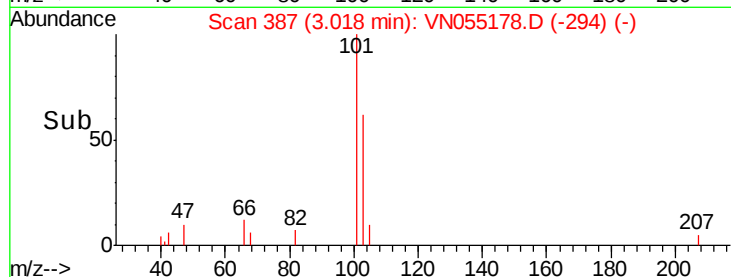
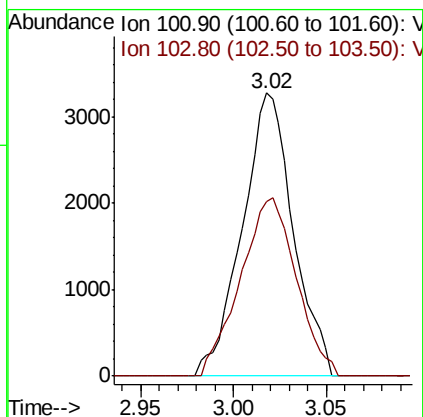
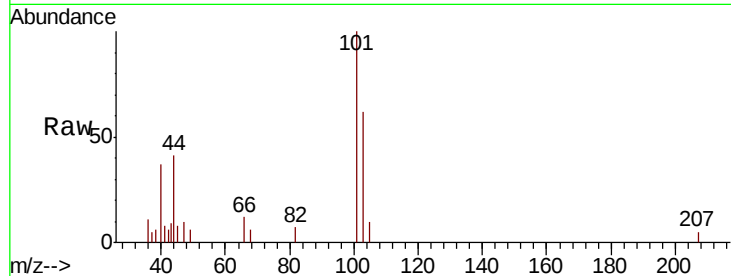


#7

Trichlorofluoromethane
 Concen: 0.910 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
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 VSTDIC001

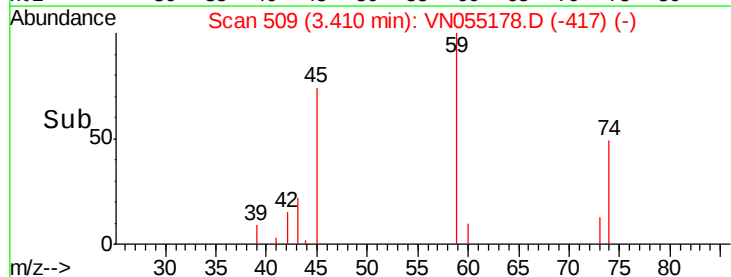
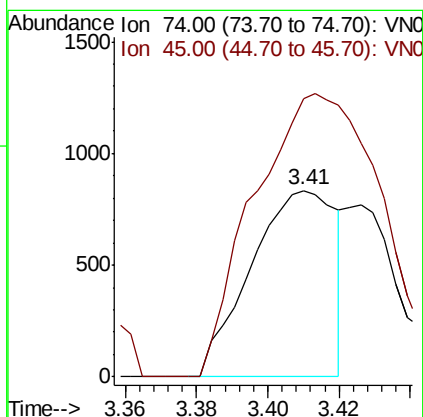
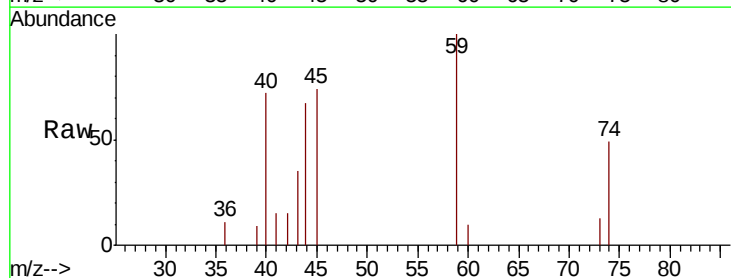
Tot Ion:101 Resp: 6300
 Ion Ratio Lower Upper
 101 100
 103 61.9 50.1 75.1

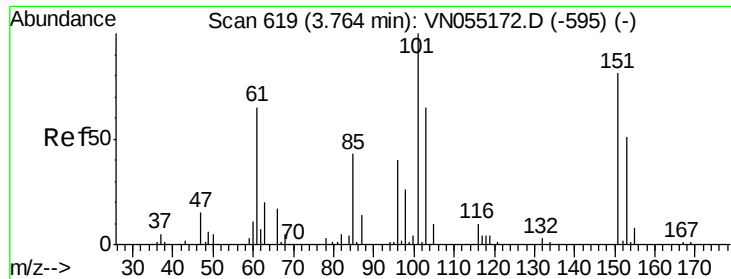


#8

Diethyl Ether
 Concen: 0.557 ug/l
 RT: 3.41 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 74 Resp: 1375
 Ion Ratio Lower Upper
 74 100
 45 230.2 56.9 170.6#





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.068 ug/l

RT: 3.76 min Scan# 619

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

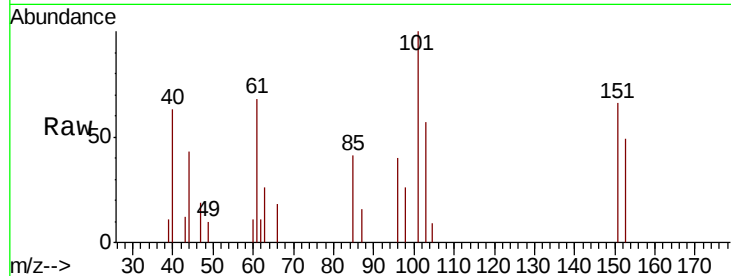
Tot Ion:101 Resp: 4613

Ion Ratio Lower Upper

101 100

85 18.4 34.9 52.3#

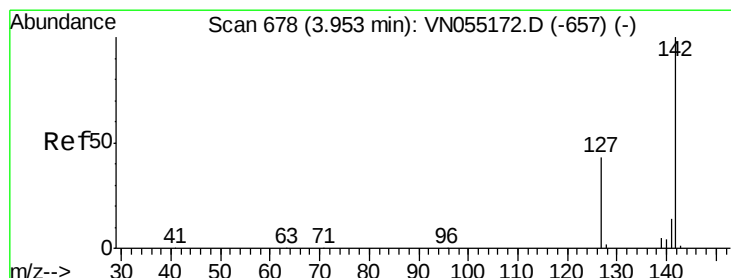
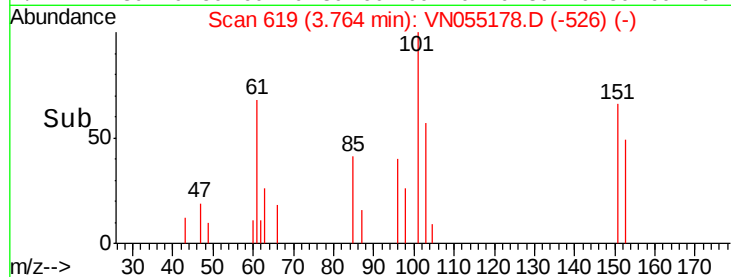
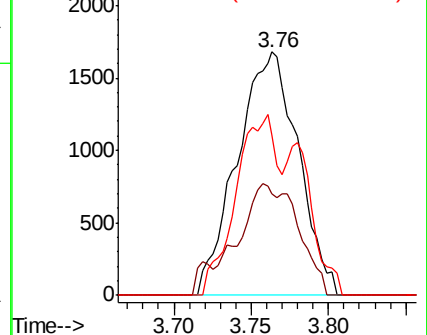
151 51.6 63.8 95.8#



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): V

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.781 ug/l

RT: 3.96 min Scan# 679

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

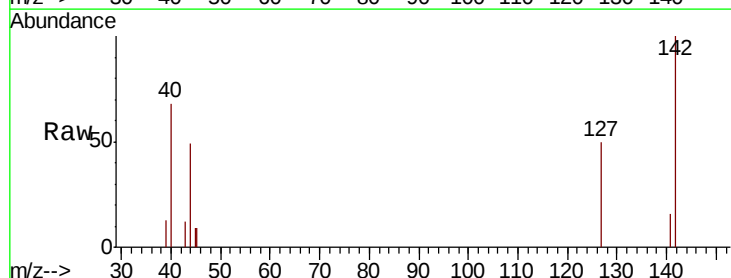
Tgt Ion:142 Resp: 4532

Ion Ratio Lower Upper

142 100

127 47.0 34.1 51.1

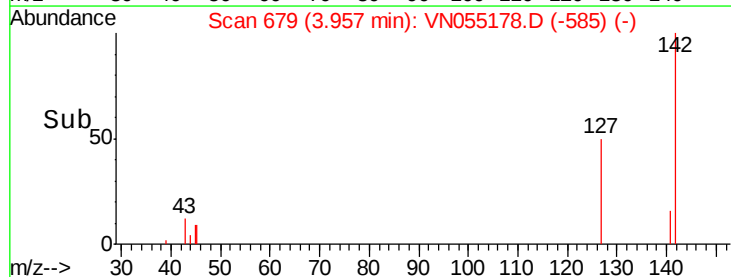
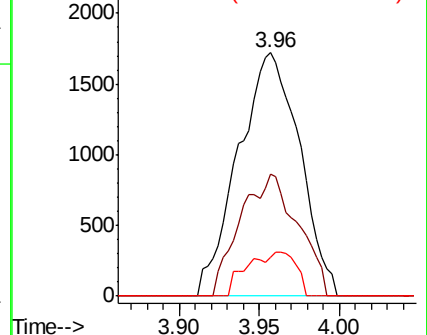
141 14.3 11.4 17.2

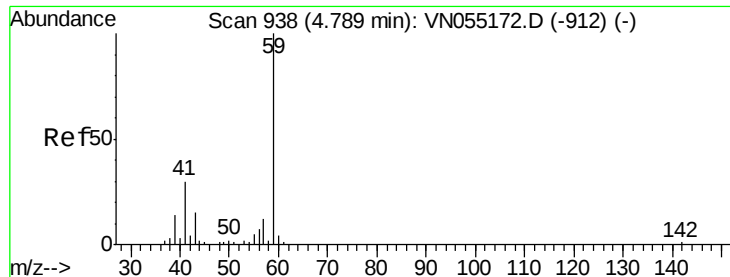


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

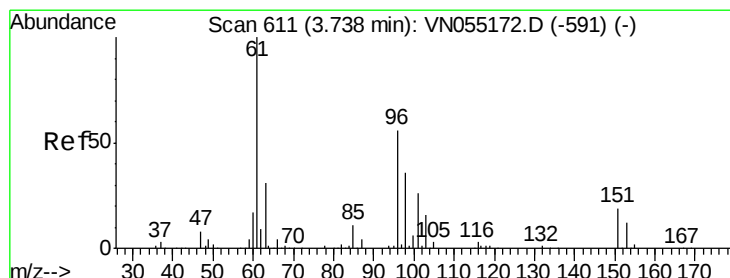
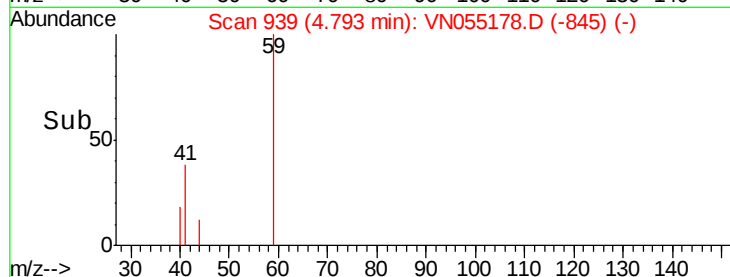
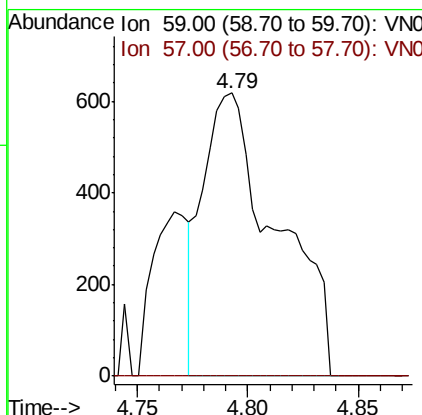
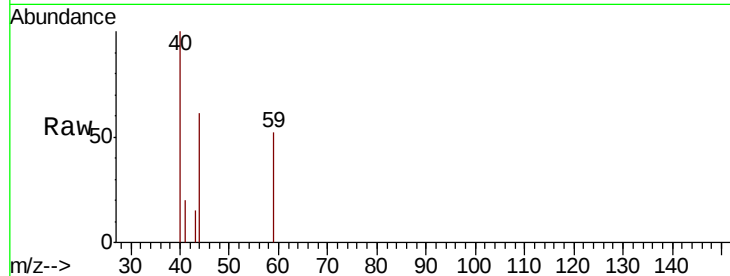




#11
Tert butyl alcohol
Concen: 4.559 ug/l
RT: 4.79 min Scan# 939
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

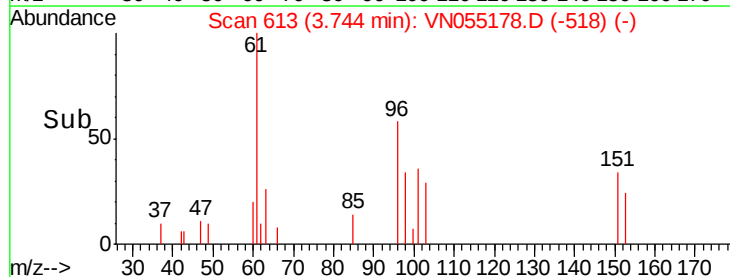
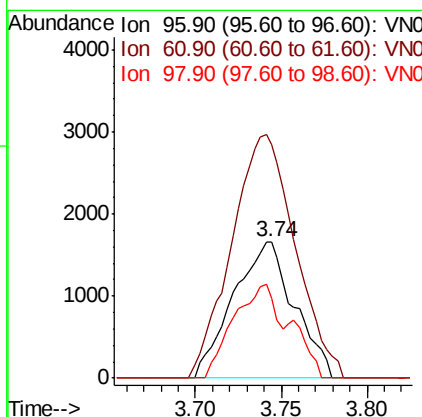
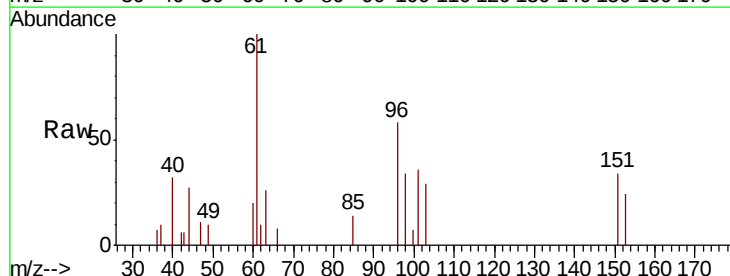
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

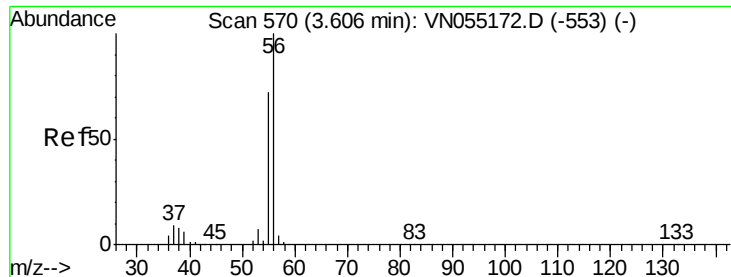
Tot Ion: 59 Resp: 1424
Ion Ratio Lower Upper
59 100
57 0.0 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 0.988 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 96 Resp: 4090
Ion Ratio Lower Upper
96 100
61 171.3 142.1 213.1
98 58.2 51.2 76.8





#13

Acrolein

Concen: 4.653 ug/l

RT: 3.61 min Scan# 572

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

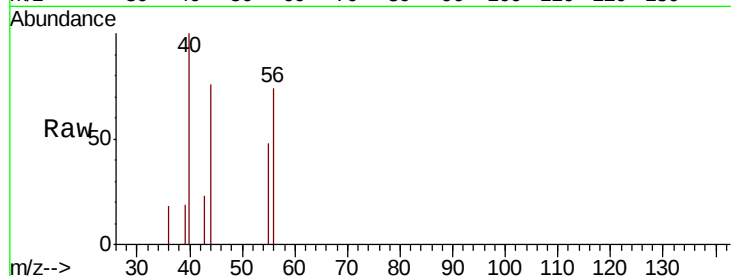
VSTDIC001

Tot Ion: 56 Resp: 1979

Ion Ratio Lower Upper

56 100

55 38.9 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

800

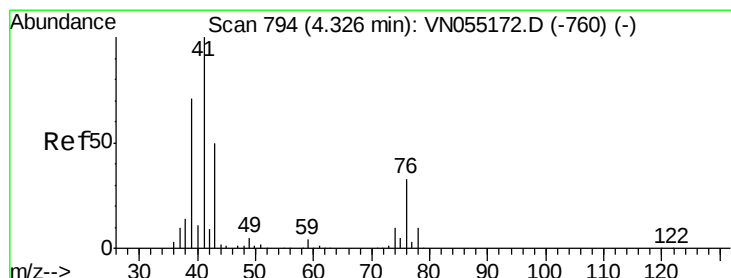
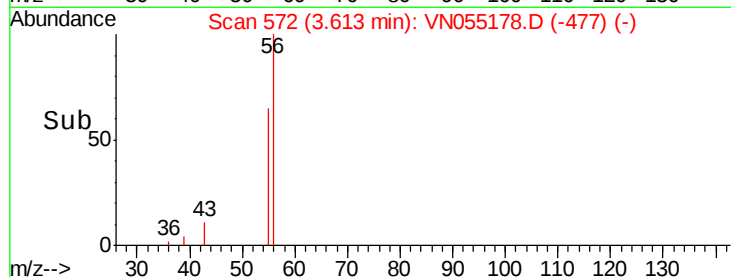
600

400

200

0

Time-->



#14

Allyl chloride

Concen: 0.943 ug/l

RT: 4.32 min Scan# 793

Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

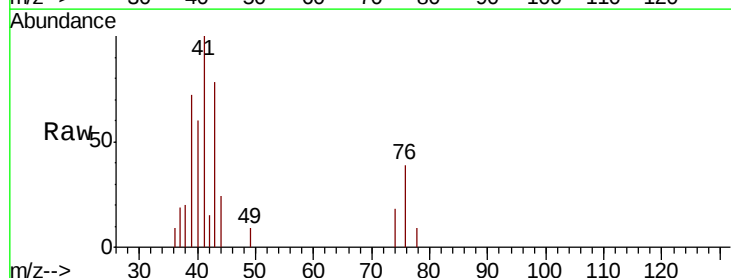
Tgt Ion: 41 Resp: 7718

Ion Ratio Lower Upper

41 100

39 84.6 52.9 79.3#

76 30.7 23.6 35.4



Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0

4.32

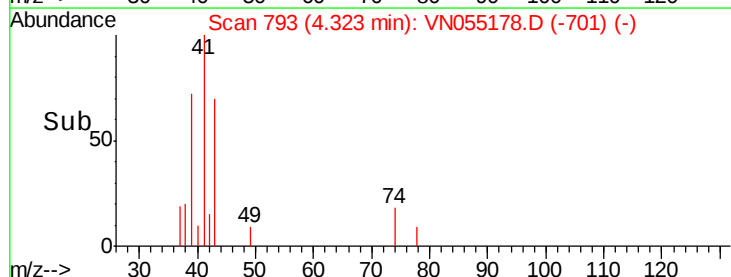
3000

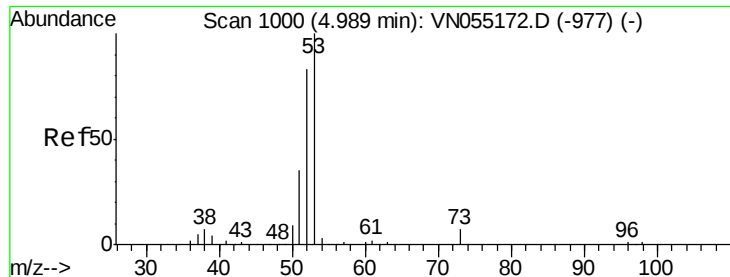
2000

1000

0

Time-->





#15

Acrylonitrile

Concen: 4.609 ug/l

RT: 5.00 min Scan# 1004

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

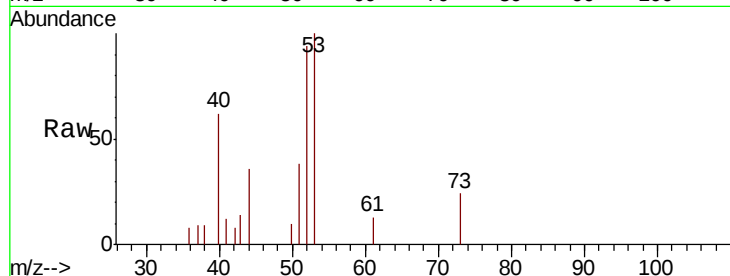
Tot Ion: 53 Resp: 8035

Ion Ratio Lower Upper

53 100

52 52.1 65.8 98.8#

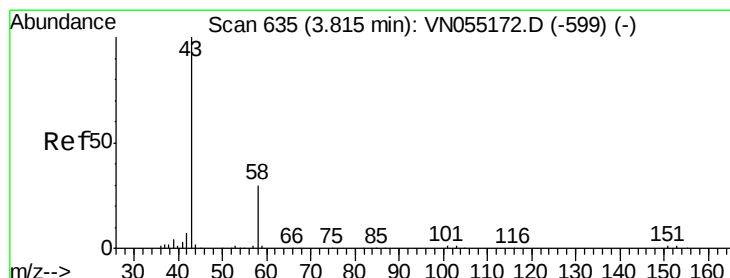
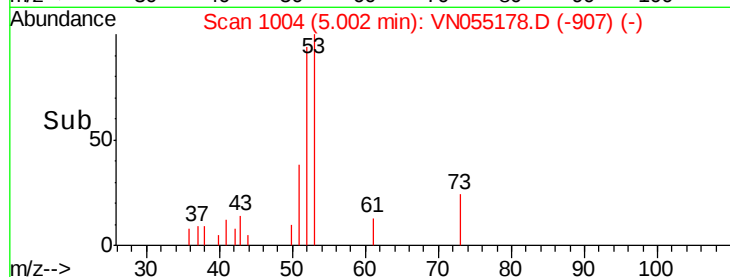
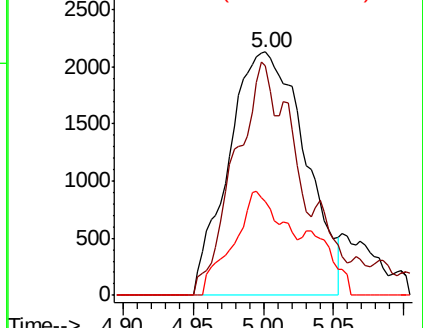
51 28.6 28.9 43.3#



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 5.050 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN055178.D

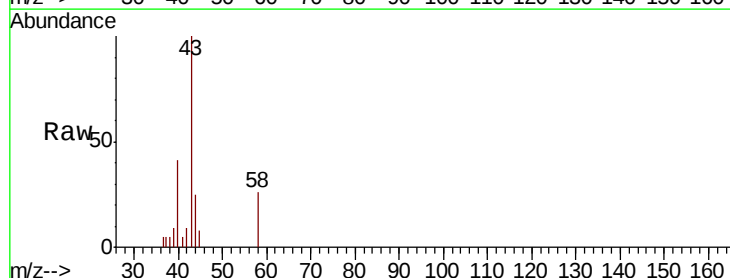
Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 9090

Ion Ratio Lower Upper

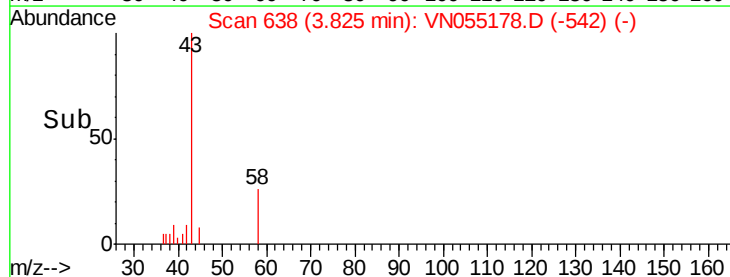
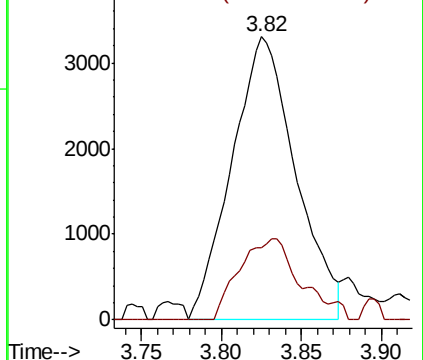
43 100

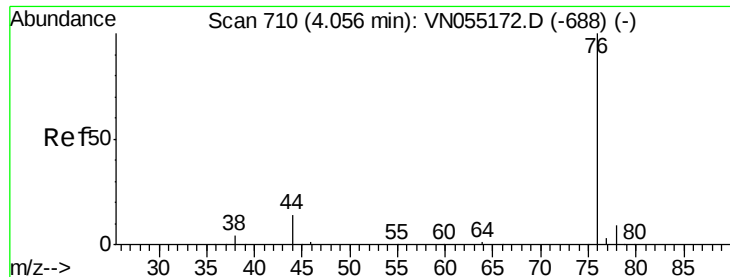
58 25.5 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

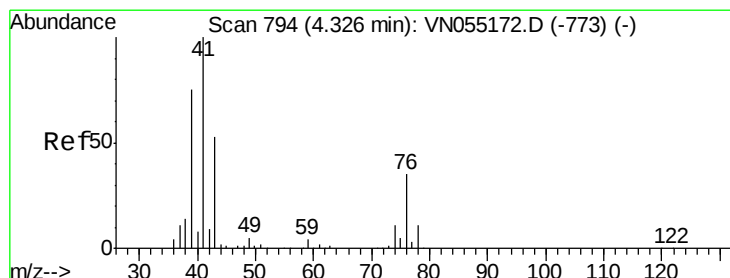
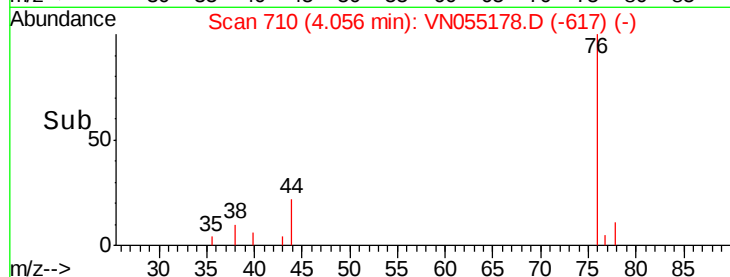
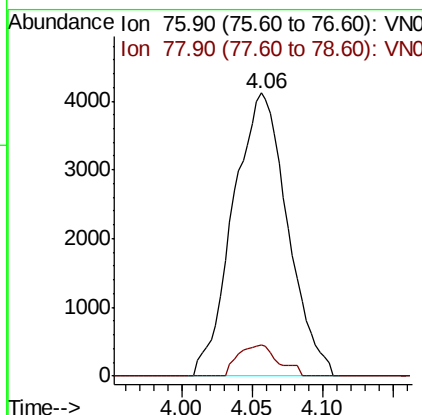
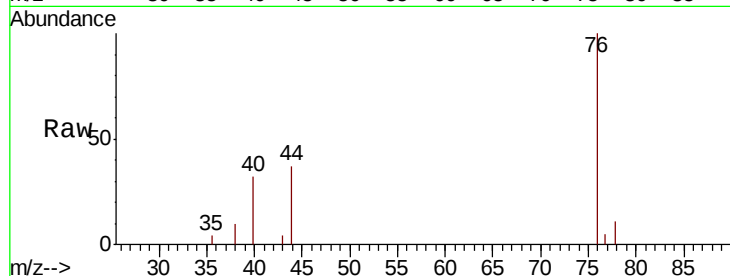




#17
Carbon Disulfide
Concen: 0.958 ug/l
RT: 4.06 min Scan# 710
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

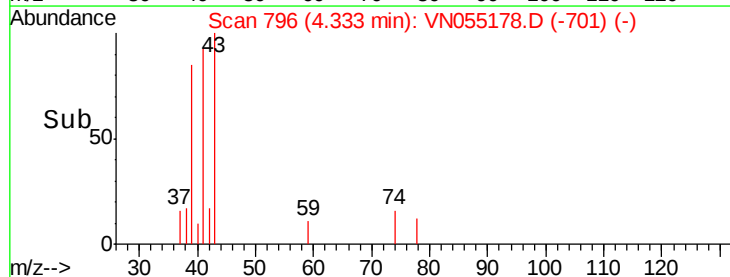
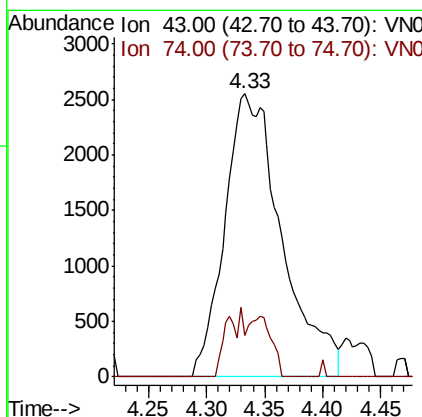
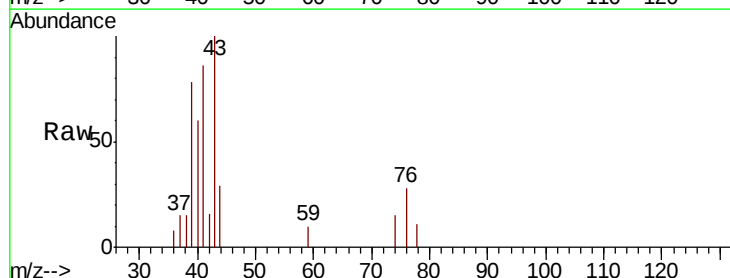
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

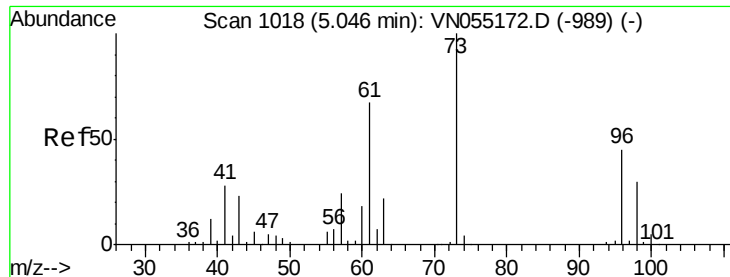
Tot Ion: 76 Resp: 11090
Ion Ratio Lower Upper
76 100
78 11.2 7.3 10.9#



#18
Methyl Acetate
Concen: 1.760 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 8741
Ion Ratio Lower Upper
43 100
74 5.2 16.7 25.1#

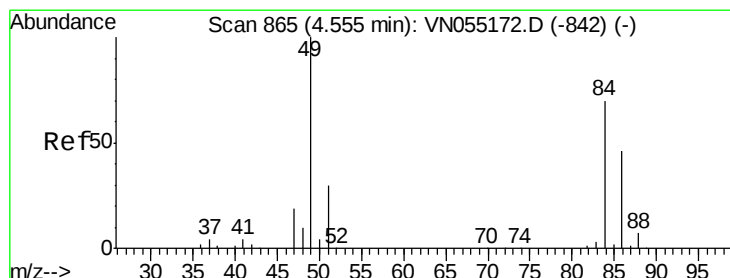
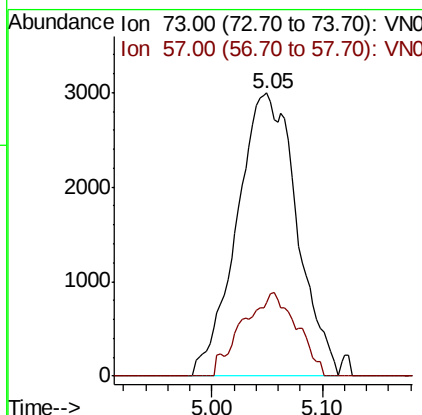
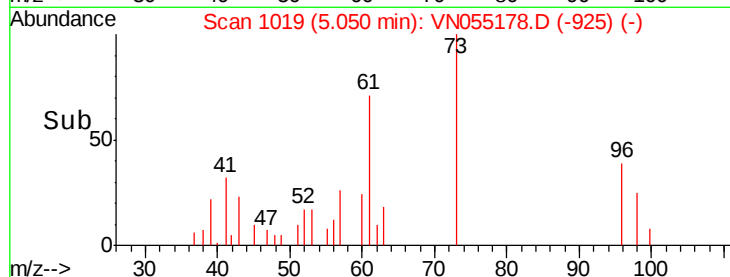
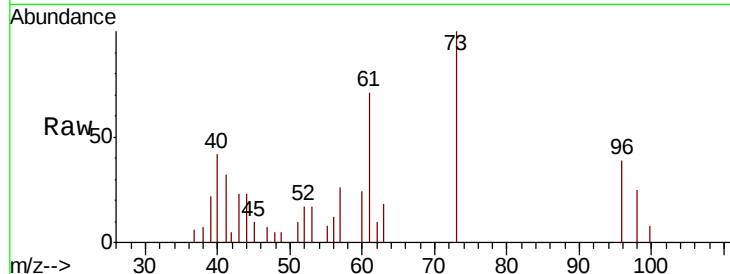




#19
Methvl tert-butvl Ether
Concen: 0.985 ug/l
RT: 5.05 min Scan# 1019
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

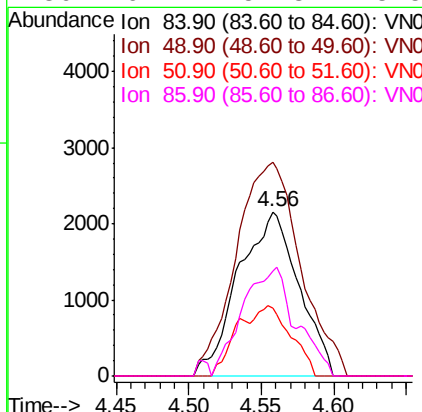
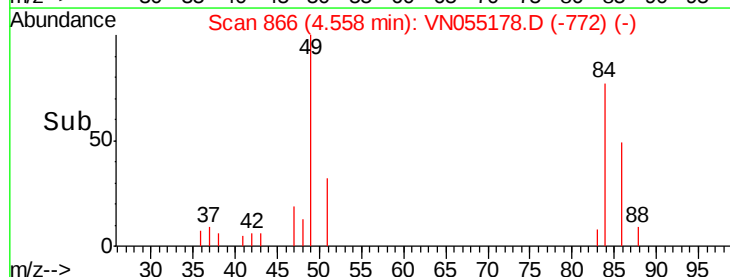
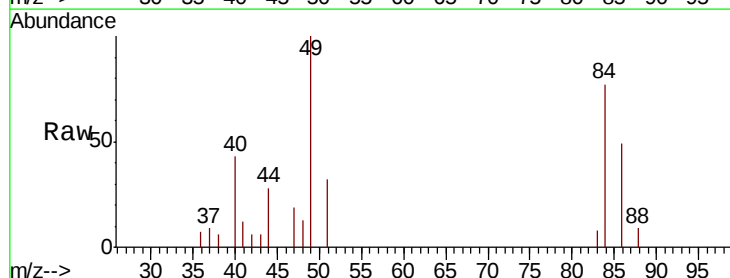
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

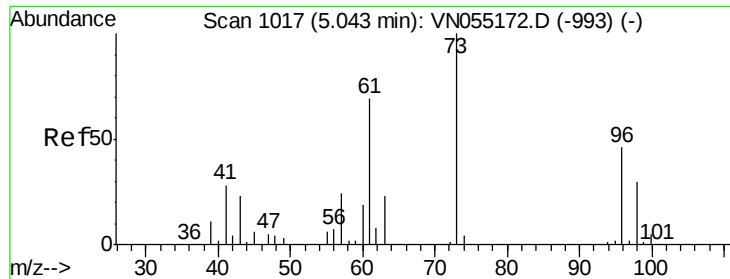
Tot Ion: 73 Resp: 11275
Ion Ratio Lower Upper
73 100
57 26.0 19.5 29.3



#20
Methylene Chloride
Concen: 1.204 ug/l
RT: 4.56 min Scan# 866
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 84 Resp: 6229
Ion Ratio Lower Upper
84 100
49 130.1 113.8 170.6
51 41.4 34.0 51.0
86 64.1 52.3 78.5

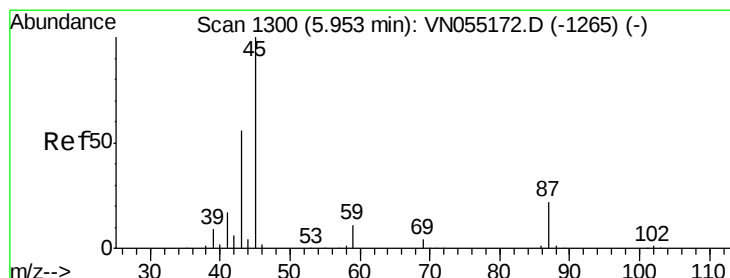
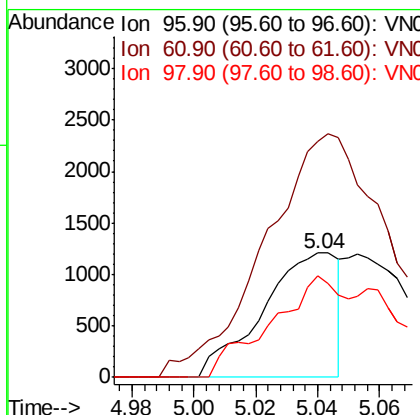
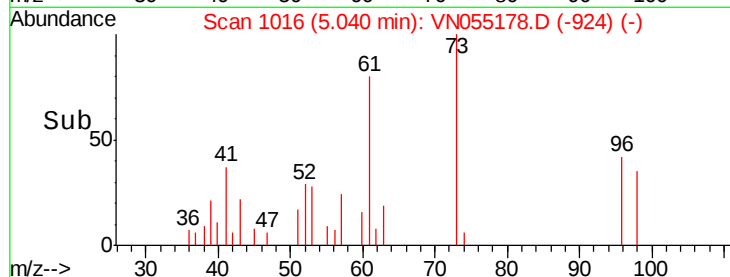
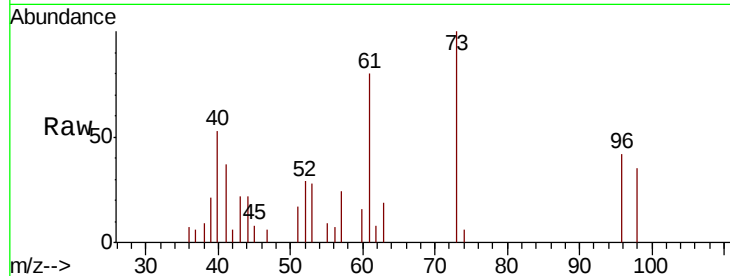




#21
trans-1,2-Dichloroethene
Concen: 0.473 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

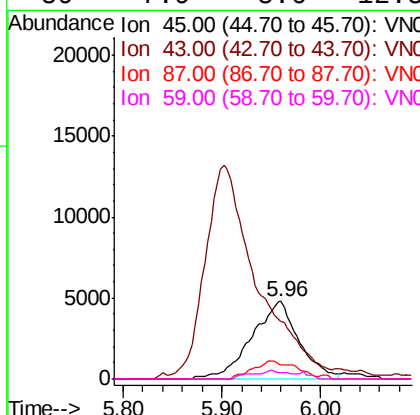
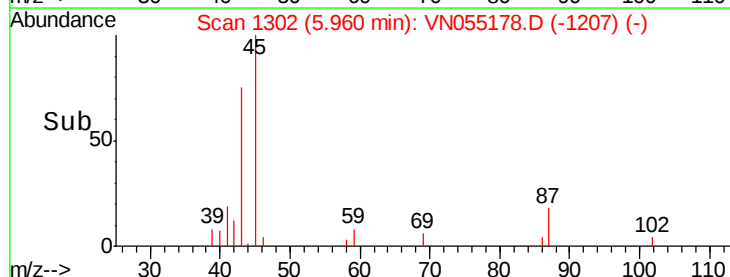
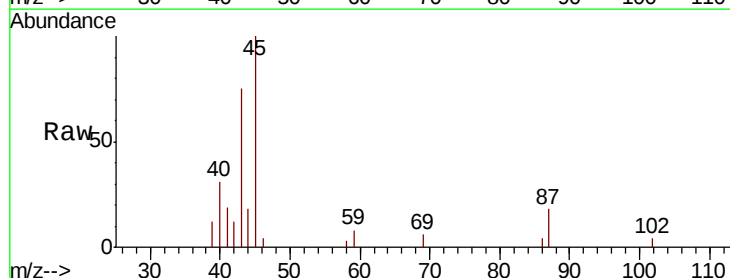
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

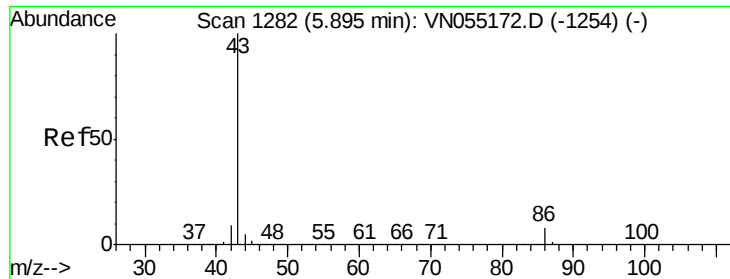
Tot Ion: 96 Resp: 2053
Ion Ratio Lower Upper
96 100
61 174.9 119.3 178.9
98 82.1 53.0 79.4#



#22
Diisopropyl ether
Concen: 0.974 ug/l
RT: 5.96 min Scan# 1302
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 45 Resp: 15886
Ion Ratio Lower Upper
45 100
43 61.8 47.4 71.0
87 18.3 18.4 27.6#
59 7.9 8.6 12.8#





#23

Vinyl Acetate

Concen: 4.270 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

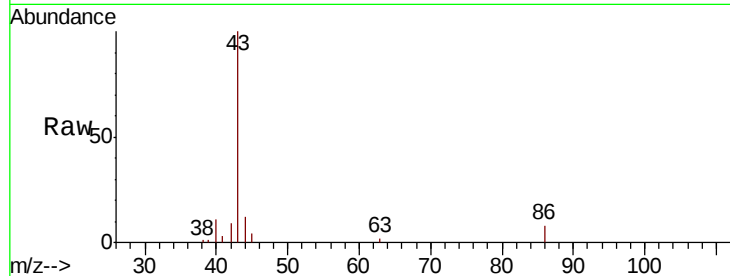
VSTDIC001

Tot Ion: 43 Resp: 46802

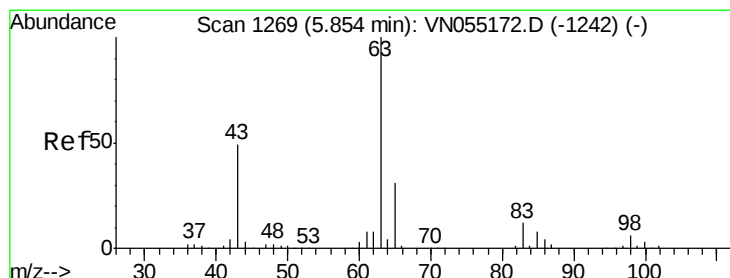
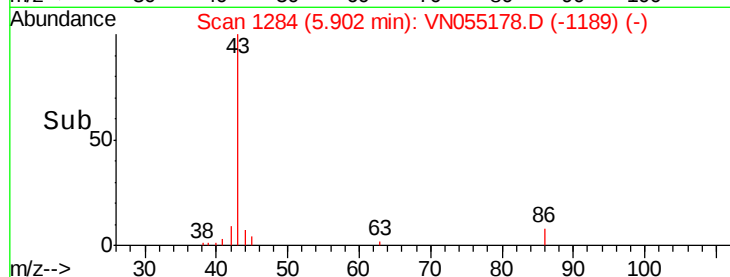
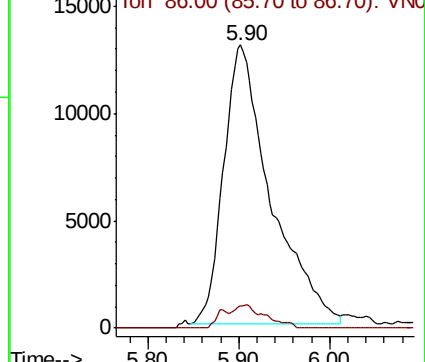
Ion Ratio Lower Upper

43 100

86 8.1 6.8 10.2



Abundance Ion 43.00 (42.70 to 43.70): VN055178.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 1.016 ug/l

RT: 5.85 min Scan# 1268

Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

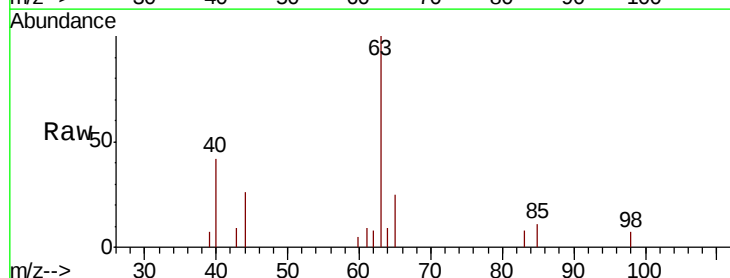
Tgt Ion: 63 Resp: 8911

Ion Ratio Lower Upper

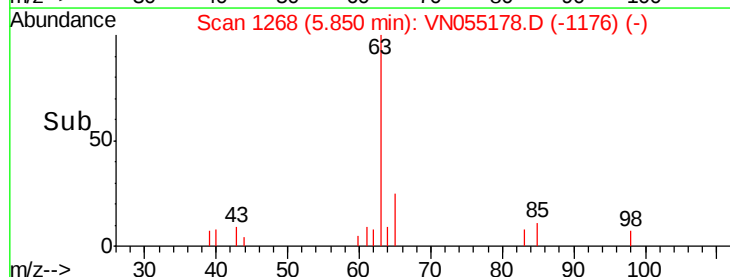
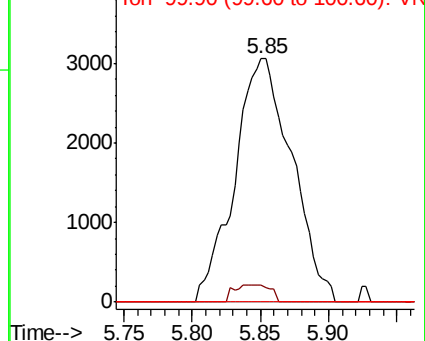
63 100

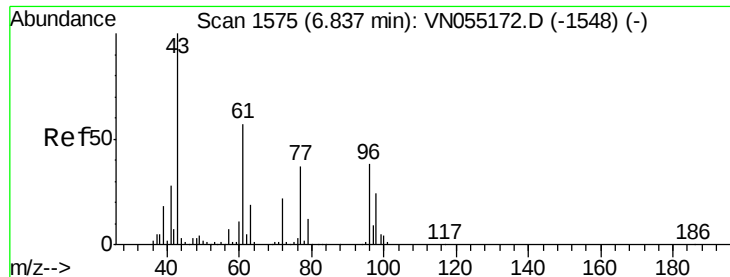
98 6.8 3.1 9.3

100 0.0 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN055178.D (-1176) (-)

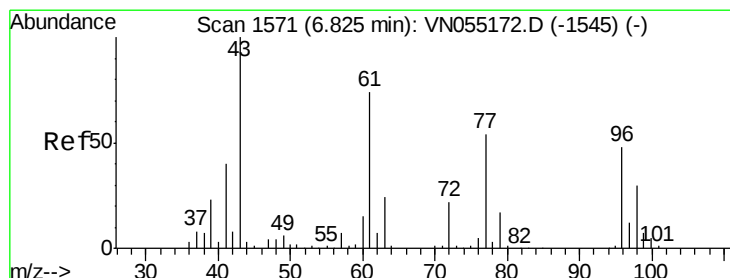
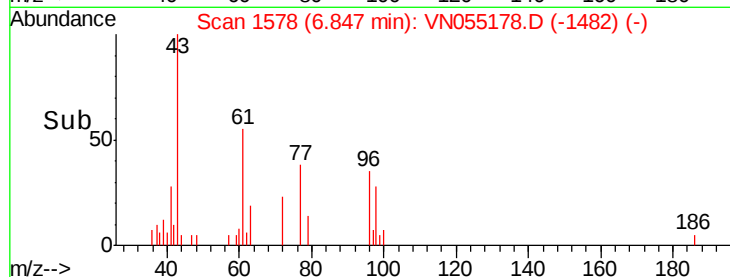
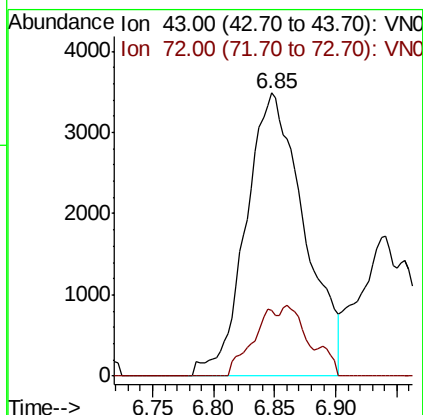
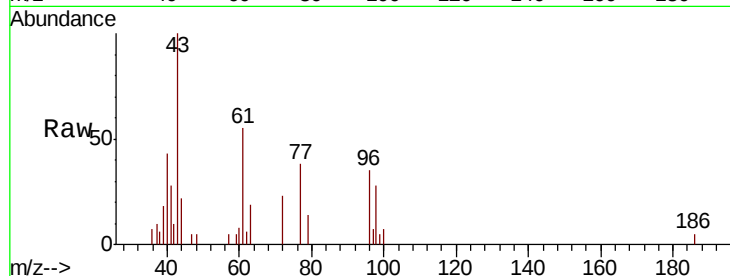




#25
2-Butanone
Concen: 4.970 ug/l
RT: 6.85 min Scan# 1578
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

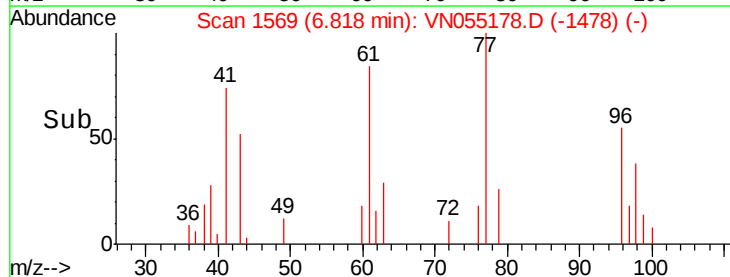
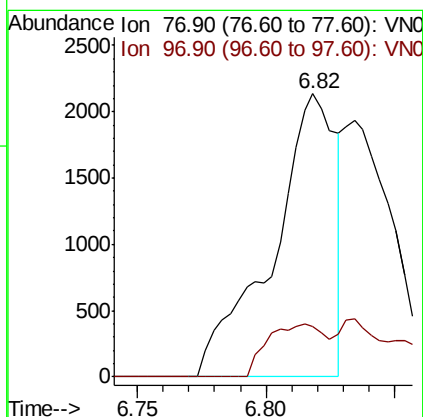
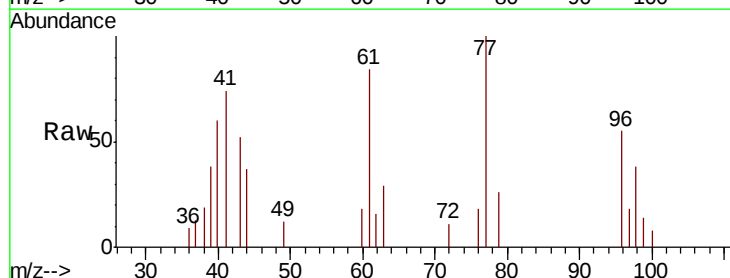
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

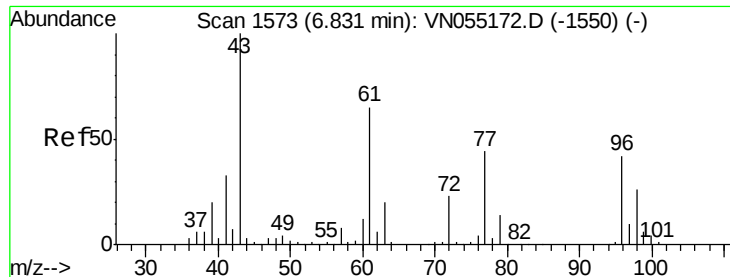
Tot Ion: 43 Resp: 11550
Ion Ratio Lower Upper
43 100
72 23.4 17.8 26.8



#26
2,2-Dichloropropane
Concen: 0.614 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 77 Resp: 3646
Ion Ratio Lower Upper
77 100
97 17.1 11.3 33.8





#27

cis-1,2-Dichloroethene

Concen: 1.006 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

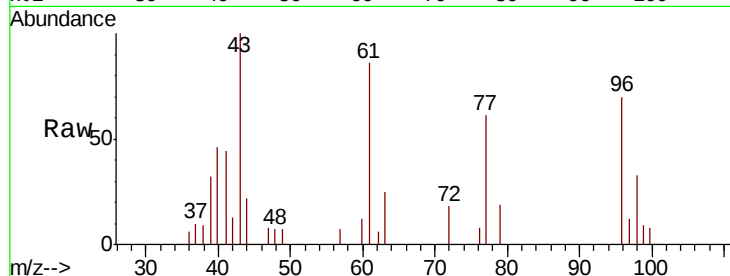
Tot Ion: 96 Resp: 5031

Ion Ratio Lower Upper

96 100

61 152.5 0.0 310.8

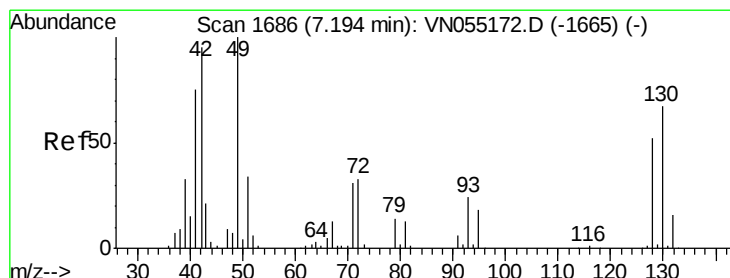
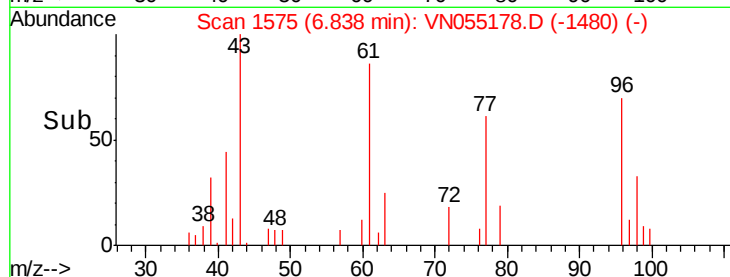
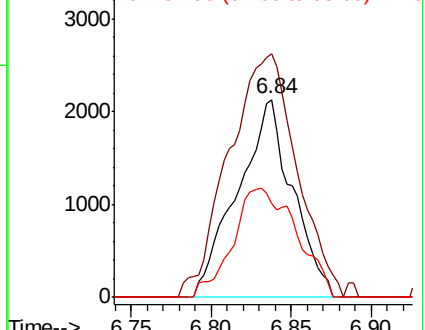
98 63.7 0.0 127.4



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: 0.564 ug/l

RT: 7.19 min Scan# 1684

Delta R.T. -0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

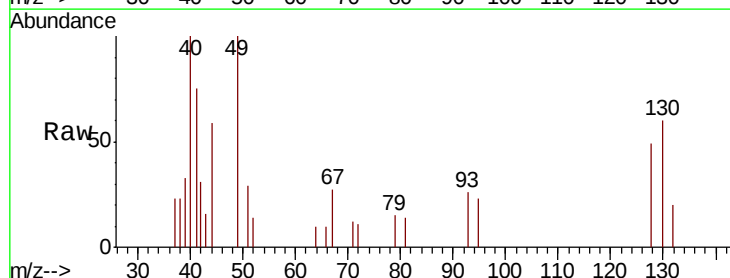
Tgt Ion: 49 Resp: 2522

Ion Ratio Lower Upper

49 100

129 0.0 0.0 3.8

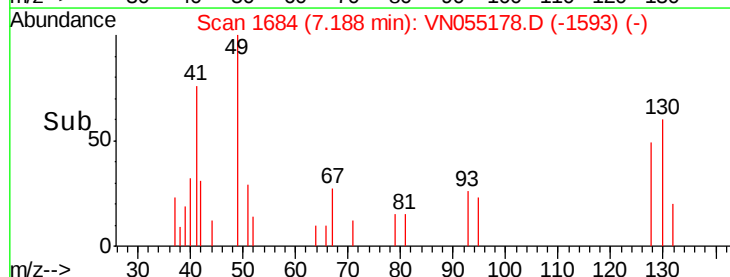
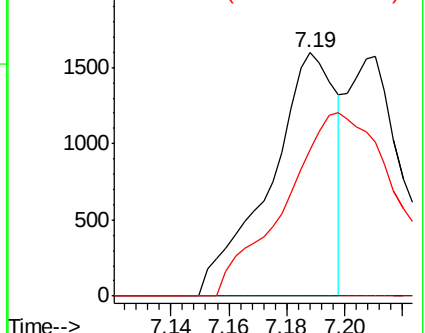
130 127.3 53.4 80.2#

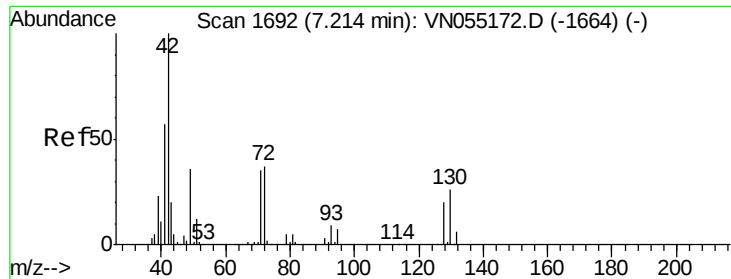


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V

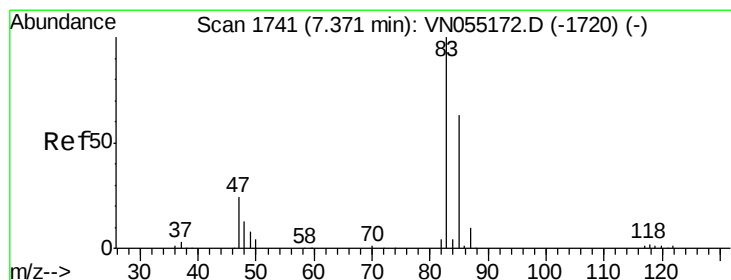
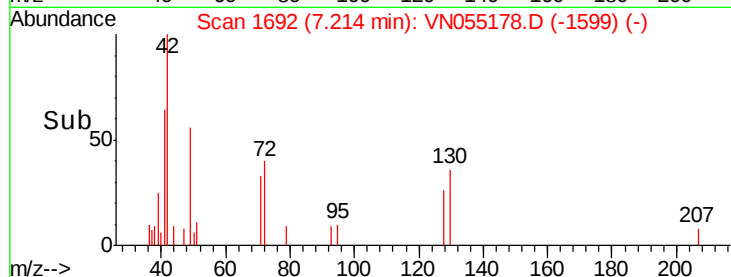
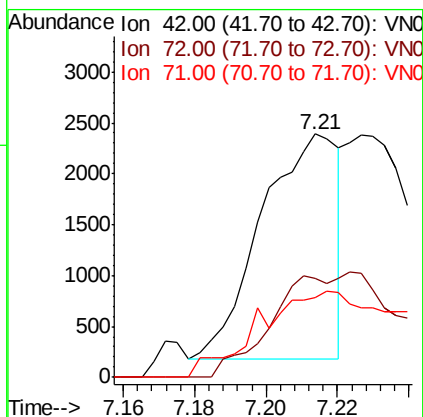
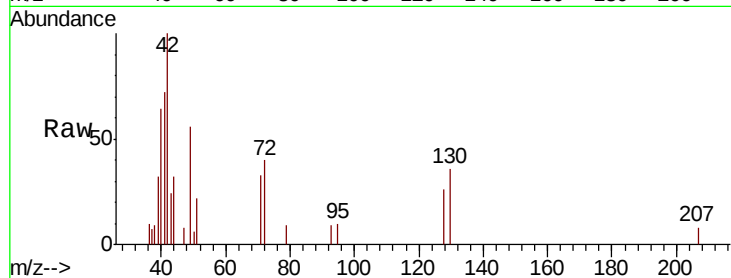




#29
Tetrahydrofuran
Concen: 2.261 ug/l
RT: 7.21 min Scan# 1692
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

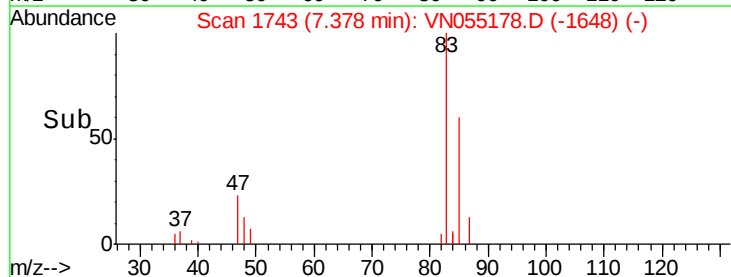
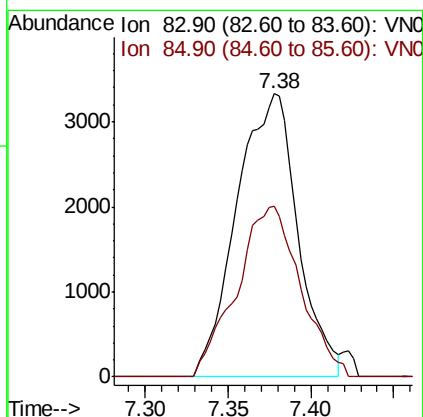
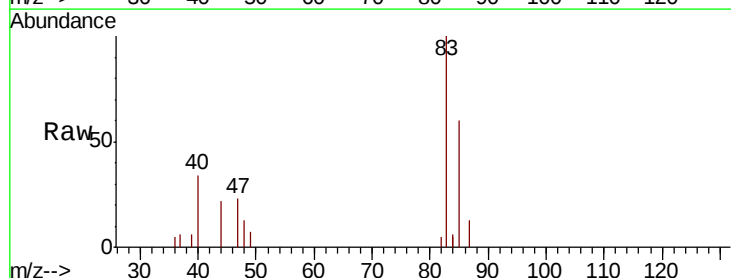
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

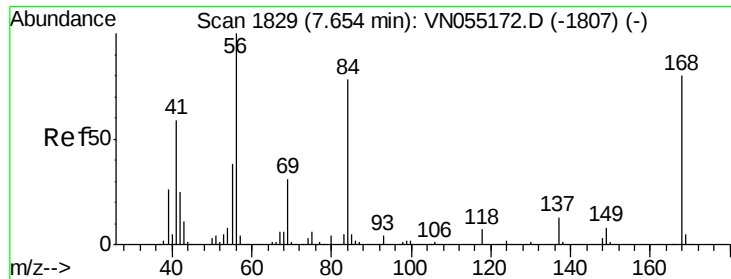
Tot Ion: 42 Resp: 3303
Ion Ratio Lower Upper
42 100
72 34.6 29.4 44.2
71 83.0 27.8 41.8#



#30
Chloroform
Concen: 1.022 ug/l
RT: 7.38 min Scan# 1743
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 83 Resp: 8527
Ion Ratio Lower Upper
83 100
85 60.3 50.6 76.0

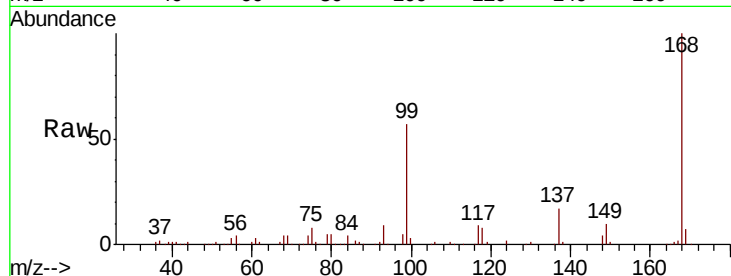




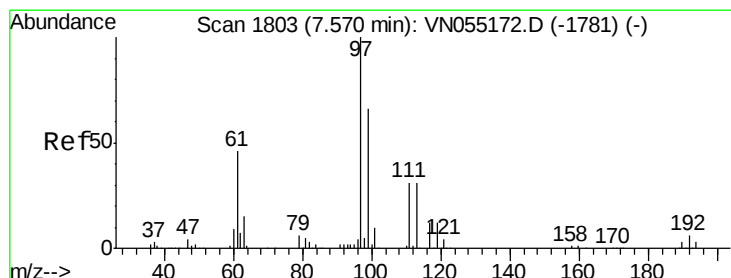
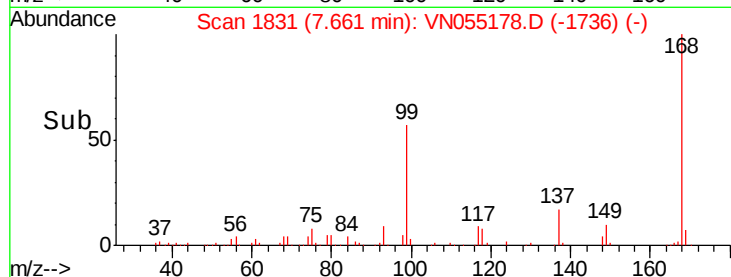
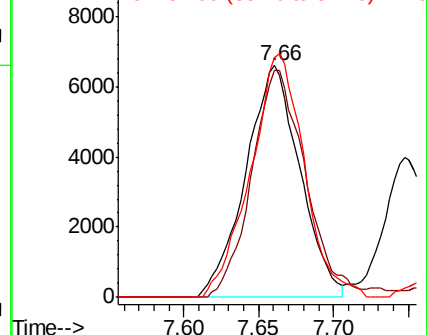
#31
Cyclohexane
Concen: 1.655 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 16670
Ion Ratio Lower Upper
56 100
69 97.6 24.6 37.0#
84 103.3 61.4 92.2#

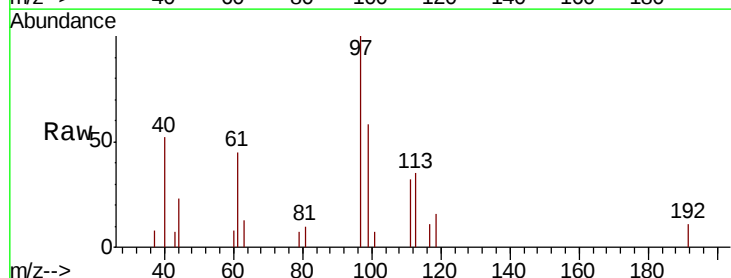


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

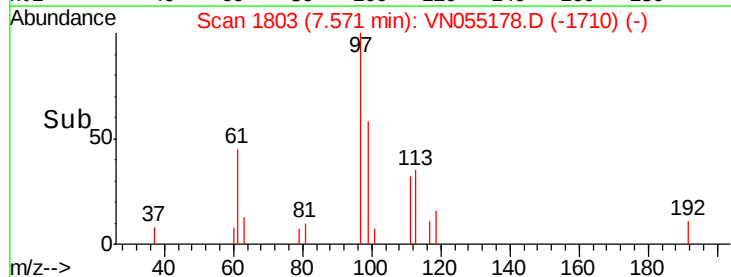
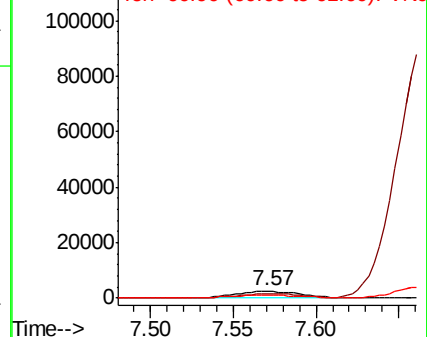


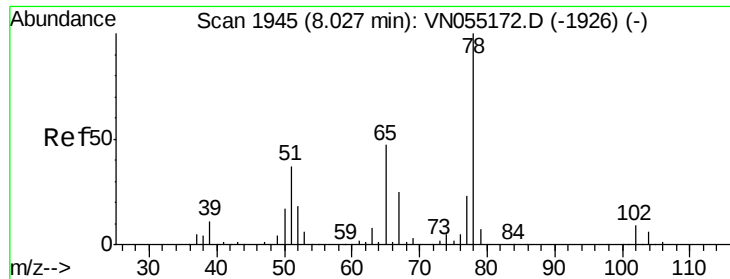
#32
1,1,1-Trichloroethane
Concen: 0.968 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 97 Resp: 6487
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 47.8 38.3 57.5



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





#33

1,2-Dichloroethane-d4

Concen: 1.389 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

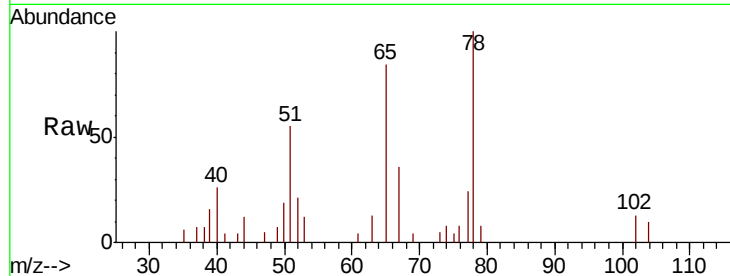
VSTDIC001

Tot Ion: 65 Resp: 8203

Ion Ratio Lower Upper

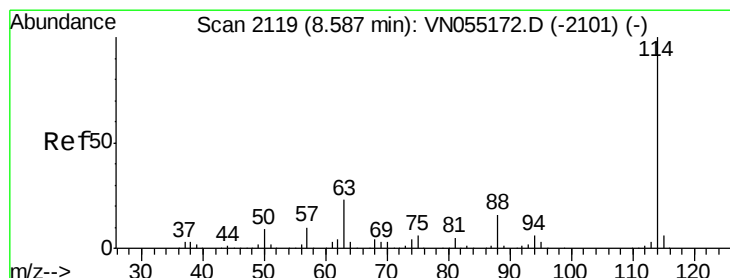
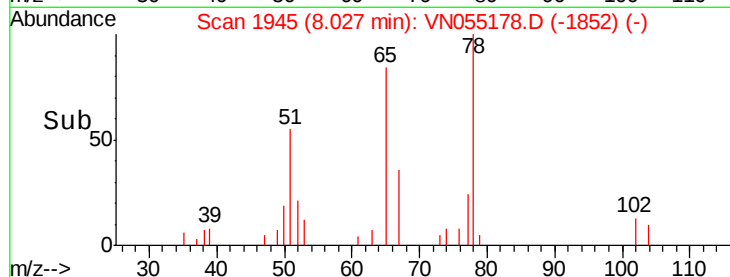
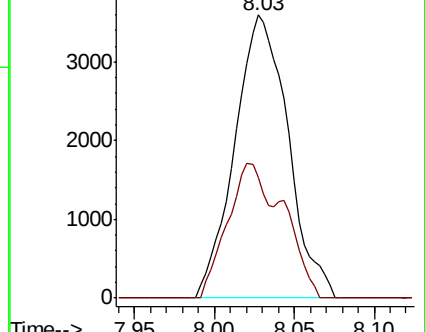
65 100

67 36.2 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055178.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055178.D (-1852) (-)



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

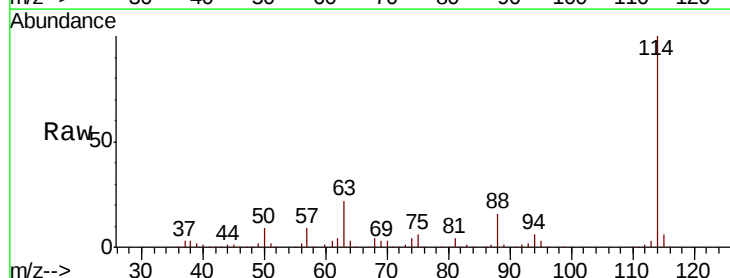
Tgt Ion:114 Resp: 660763

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.2

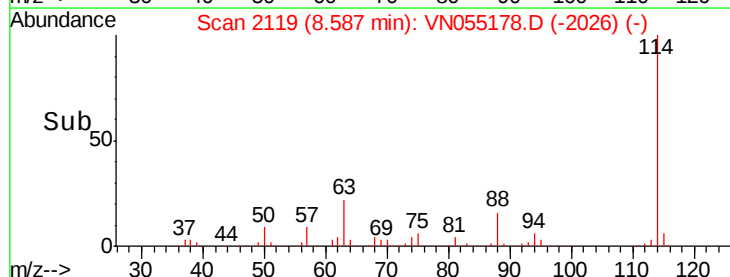
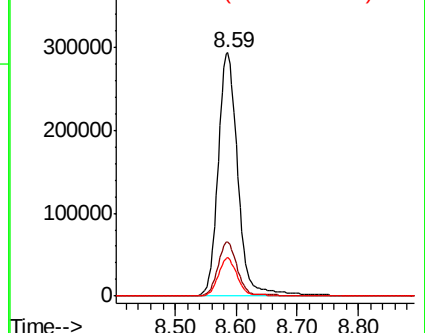
88 15.8 0.0 32.8

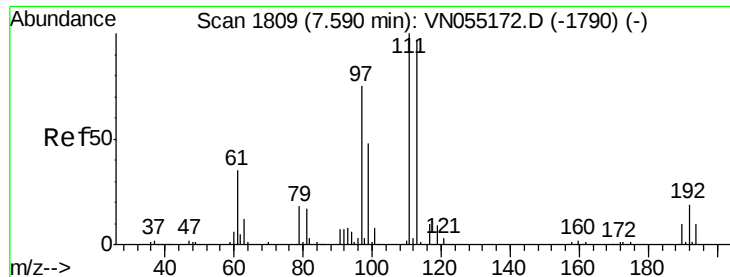


Abundance Ion 113.90 (113.60 to 114.60): VN055178.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055178.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055178.D (-2026) (-)

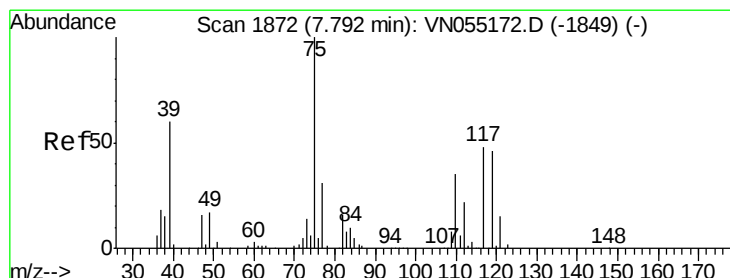
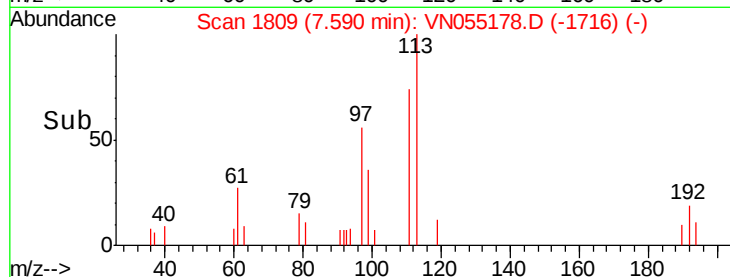
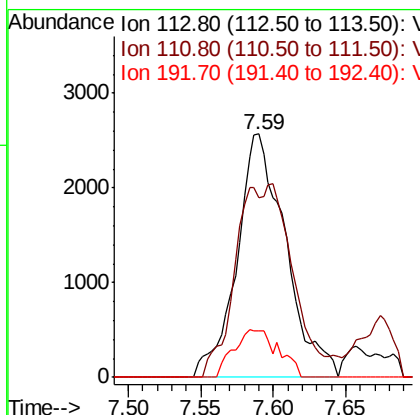
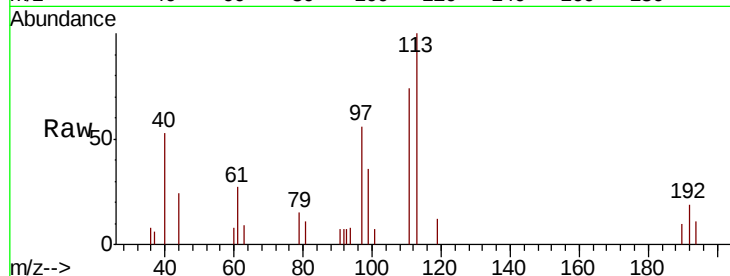




#35
 Dibromofluoromethane
 Concen: 1.266 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

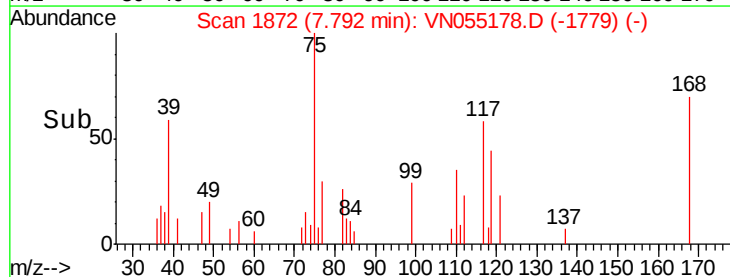
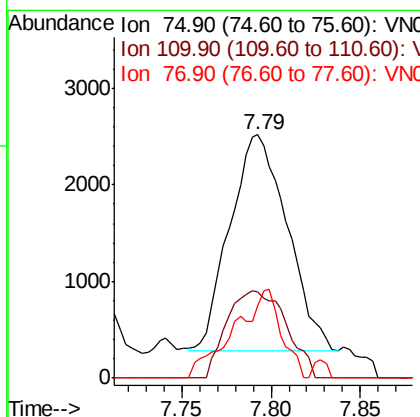
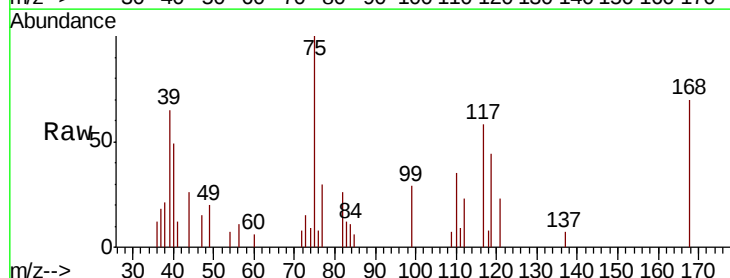
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

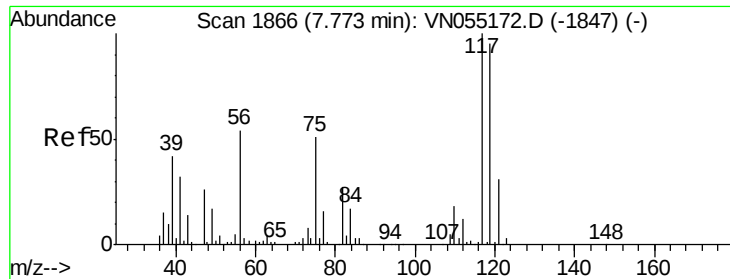
Tot Ion:113 Resp: 6002
 Ion Ratio Lower Upper
 113 100
 111 41.7 81.0 121.4#
 192 17.8 16.2 24.4



#36
 1,1-Dichloropropene
 Concen: 0.820 ug/l
 RT: 7.79 min Scan# 1872
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 75 Resp: 5032
 Ion Ratio Lower Upper
 75 100
 110 41.6 17.1 51.2
 77 33.8 24.6 36.8

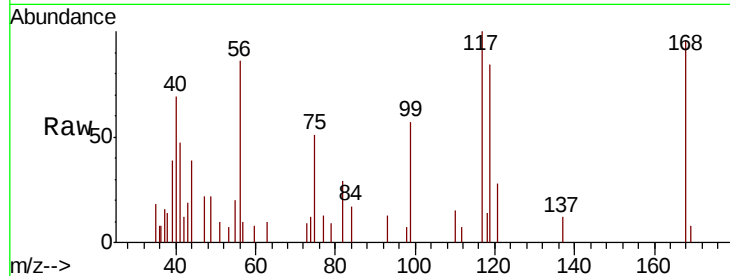




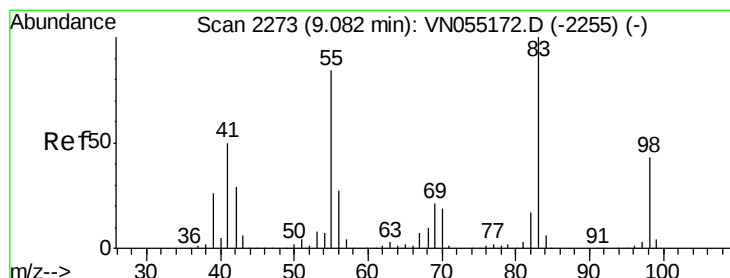
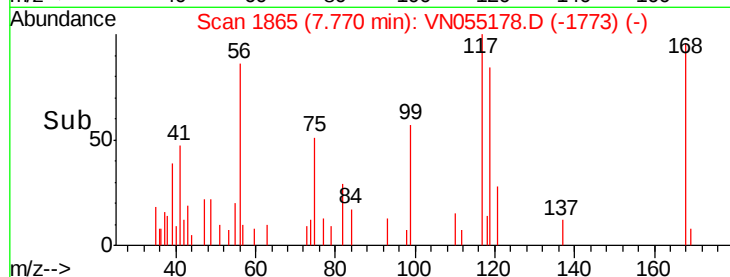
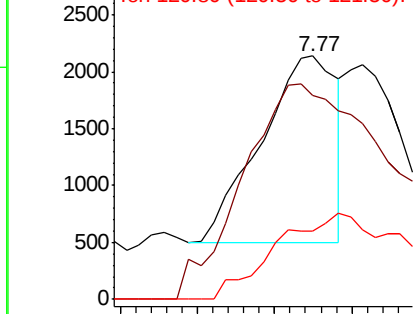
#38
Carbon Tetrachloride
Concen: 0.364 ug/l
RT: 7.77 min Scan# 1865
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:117 Resp: 2228
Ion Ratio Lower Upper
117 100
119 88.4 76.0 114.0
121 36.5 24.6 36.8

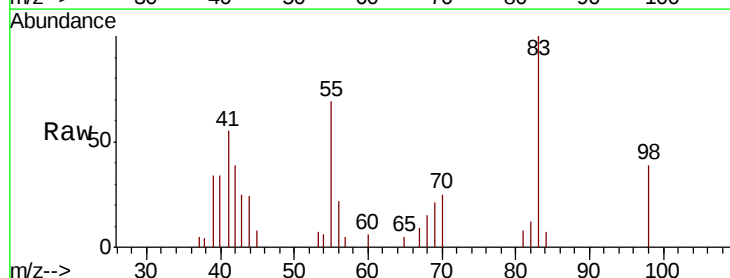


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

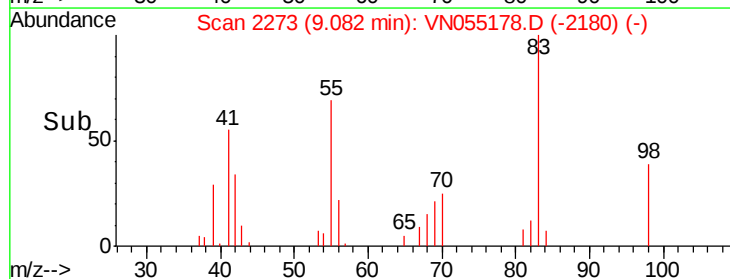
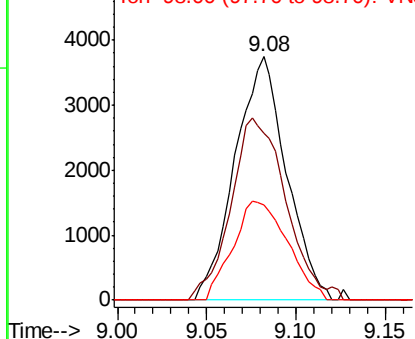


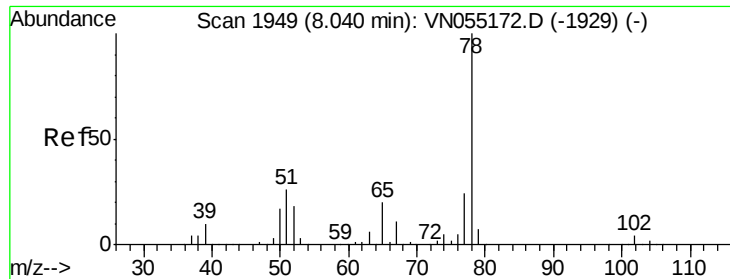
#39
Methylcyclohexane
Concen: 1.027 ug/l
RT: 9.08 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 83 Resp: 7512
Ion Ratio Lower Upper
83 100
55 68.6 67.4 101.0
98 39.0 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: 0.942 ug/l

RT: 8.05 min Scan# 1952

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

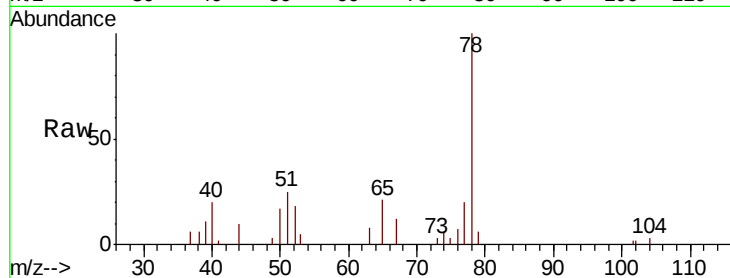
VSTDIC001

Tot Ion: 78 Resp: 17836

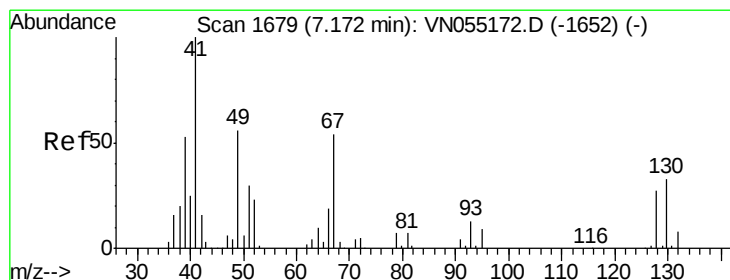
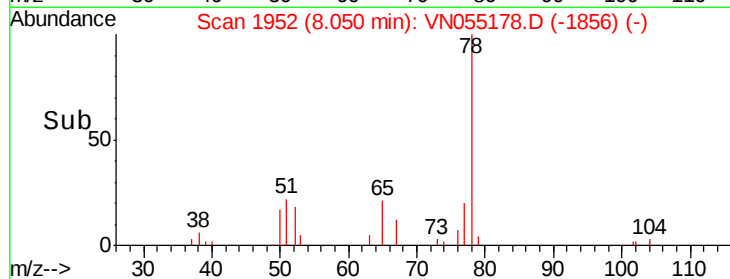
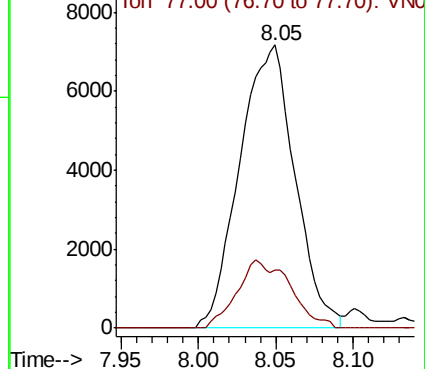
Ion Ratio Lower Upper

78 100

77 20.4 19.5 29.3



Abundance Ion 78.00 (77.70 to 78.70): VN055178.D (-1856) (-)



#41

Methacrylonitrile

Concen: 0.719 ug/l

RT: 7.18 min Scan# 1680

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion: 41 Resp: 1817

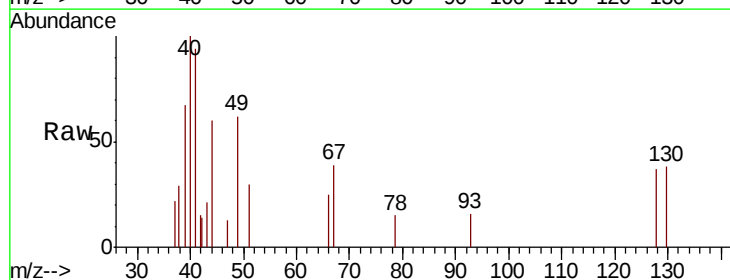
Ion Ratio Lower Upper

41 100

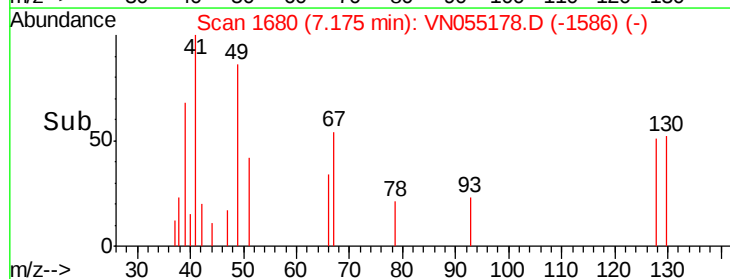
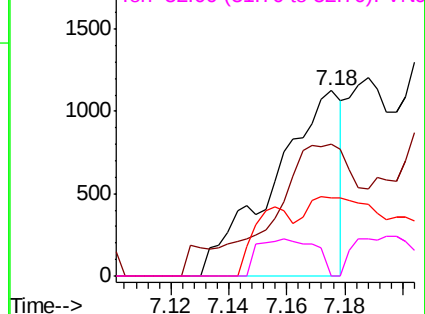
39 57.8 45.4 68.0

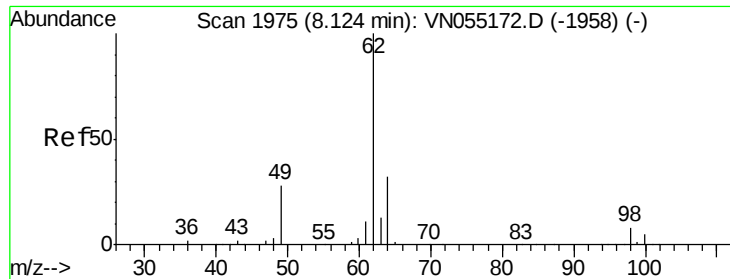
67 61.2 54.6 81.8

52 0.0 22.8 34.2#



Abundance Ion 41.00 (40.70 to 41.70): VN055178.D (-1586) (-)





#42

1,2-Dichloroethane

Concen: 0.993 ug/l

RT: 8.13 min Scan# 1977

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

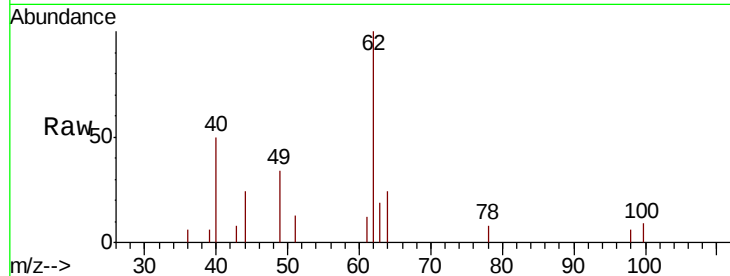
VSTDIC001

Tot Ion: 62 Resp: 6560

Ion Ratio Lower Upper

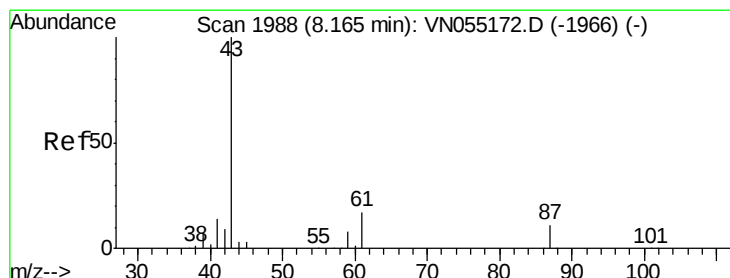
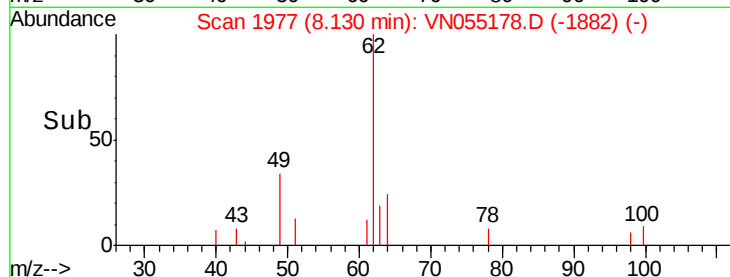
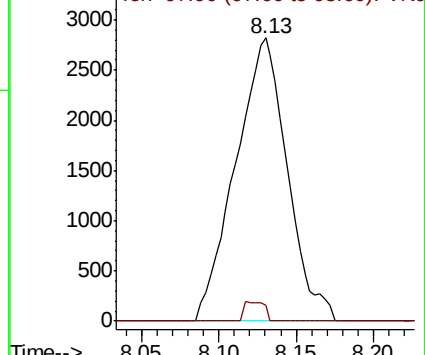
62 100

98 2.7 0.0 17.0



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#43

Isopropyl Acetate

Concen: 0.794 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

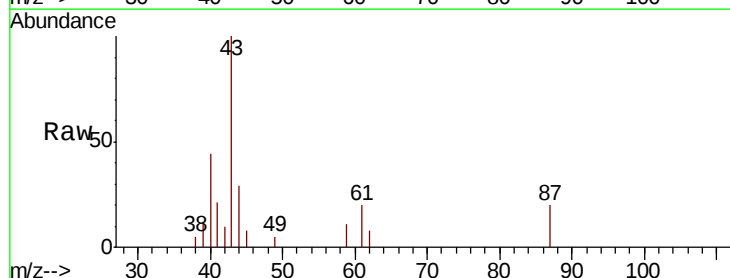
Tgt Ion: 43 Resp: 6367

Ion Ratio Lower Upper

43 100

61 22.6 20.6 30.8

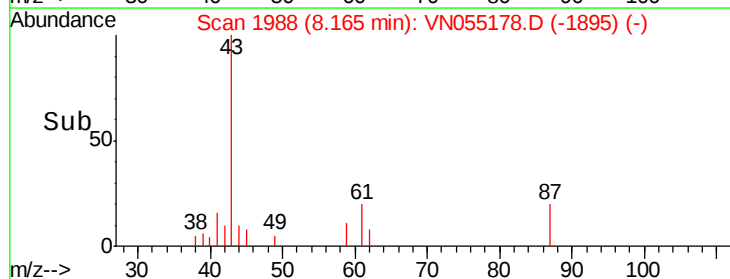
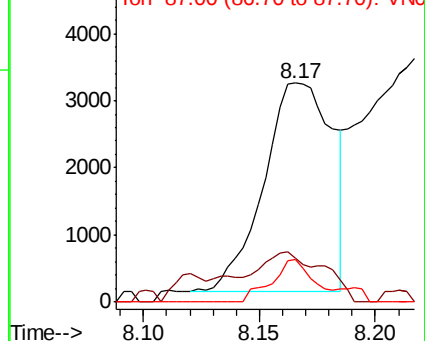
87 12.3 8.8 13.2

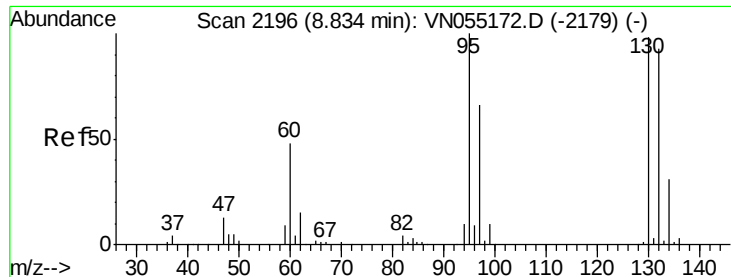


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0





#44

Trichloroethene

Concen: 0.969 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

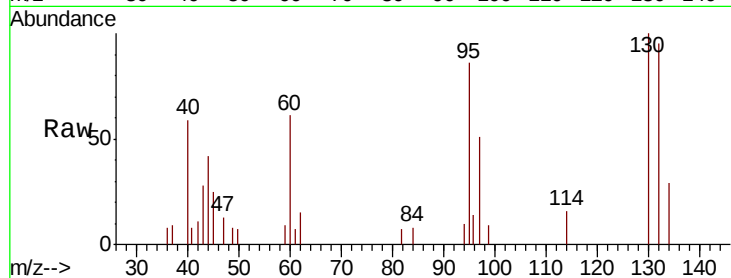
VSTDIC001

Tot Ion:130 Resp: 4636

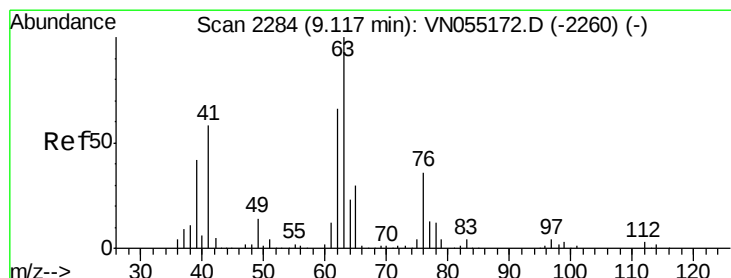
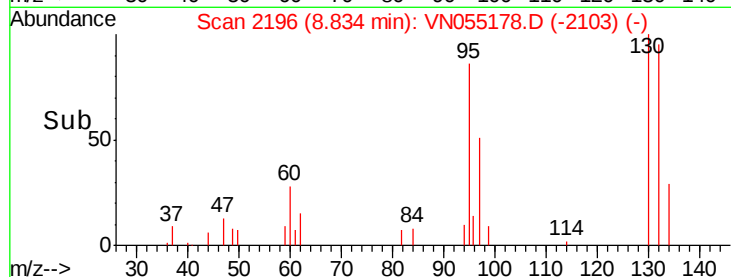
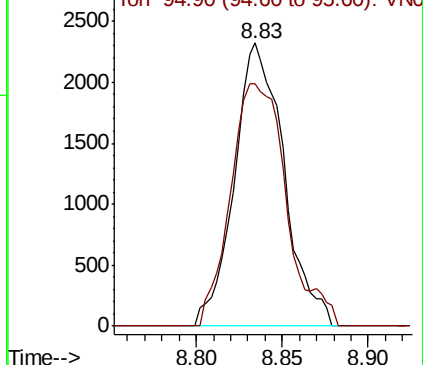
Ion Ratio Lower Upper

130 100

95 85.5 0.0 203.6



Abundance Ion 129.80 (129.50 to 130.50): VN055178.D (-2196) (-)



#45

1,2-Dichloropropane

Concen: 0.976 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. 0.00 min

Lab File: VN055178.D

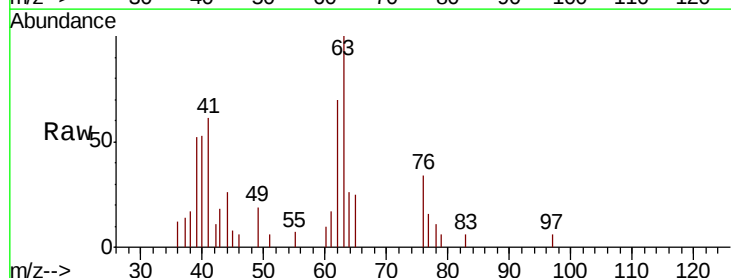
Acq: 22 Apr 2019 13:13

Tgt Ion: 63 Resp: 5218

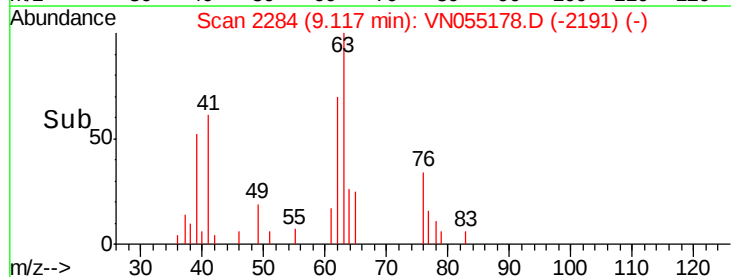
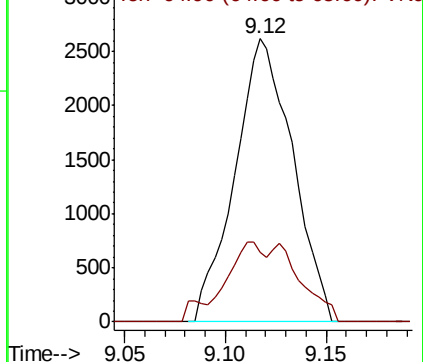
Ion Ratio Lower Upper

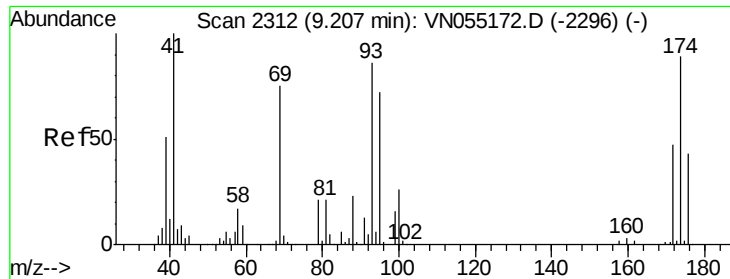
63 100

65 24.7 23.8 35.6



Abundance Ion 62.90 (62.60 to 63.60): VN055178.D (-2284) (-)

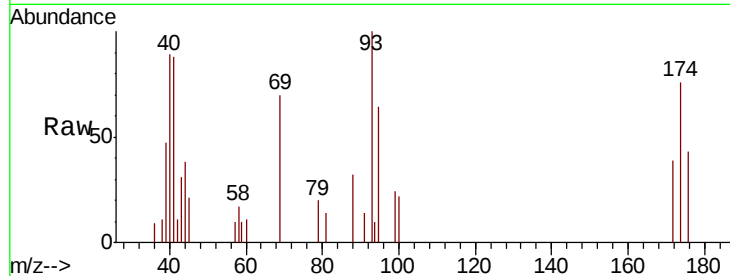




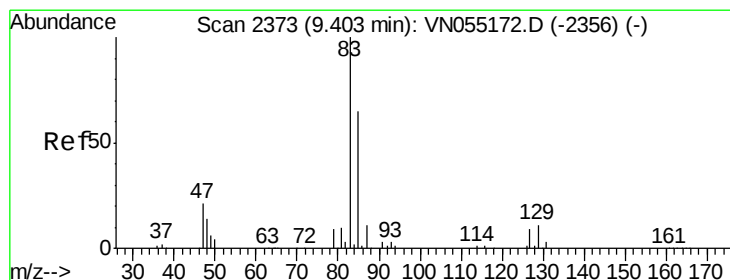
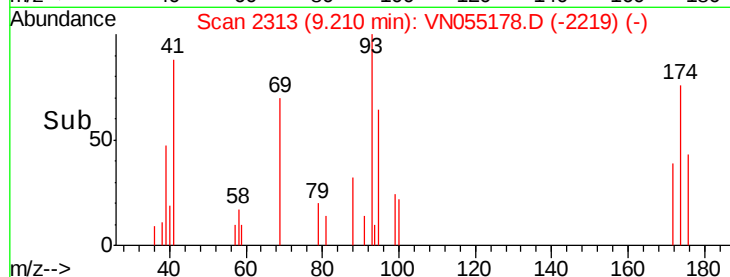
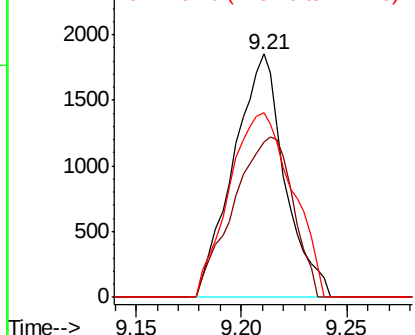
#46
Dibromomethane
Concen: 1.022 ug/l
RT: 9.21 min Scan# 2313
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 93 Resp: 3125
Ion Ratio Lower Upper
93 100
95 76.2 67.6 101.4
174 93.7 83.4 125.2

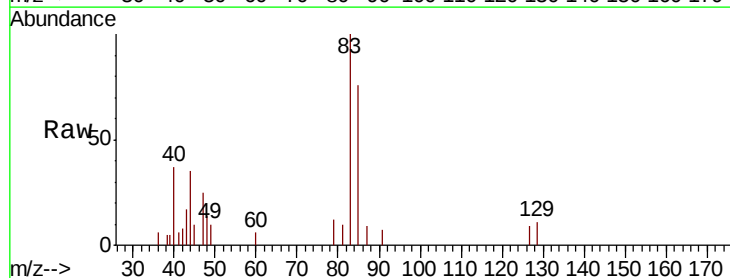


Abundance Ion 92.80 (92.50 to 93.50): VN0
Ion 94.80 (94.50 to 95.50): VN0
Ion 173.70 (173.40 to 174.40): V

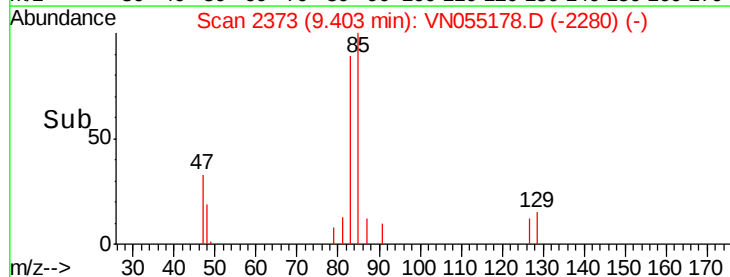
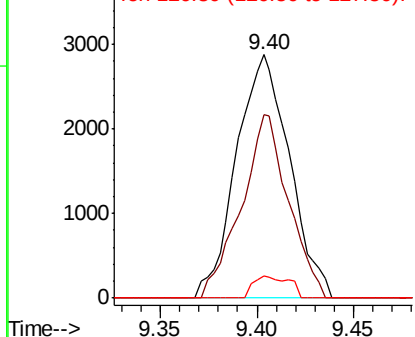


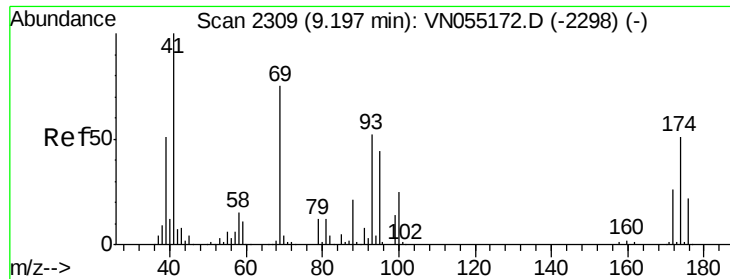
#47
Bromodichloromethane
Concen: 0.895 ug/l
RT: 9.40 min Scan# 2373
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 83 Resp: 5482
Ion Ratio Lower Upper
83 100
85 75.5 52.1 78.1
127 9.1 6.9 10.3



Abundance Ion 82.90 (82.60 to 83.60): VN0
Ion 84.90 (84.60 to 85.60): VN0
Ion 126.80 (126.50 to 127.50): V

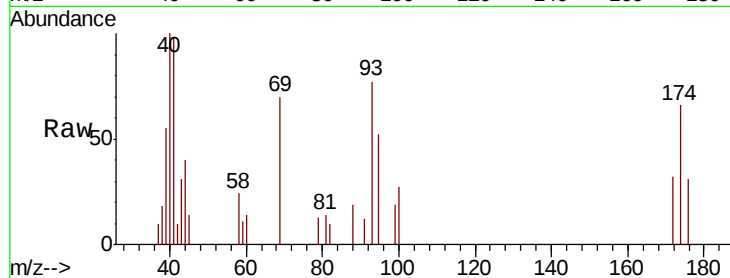




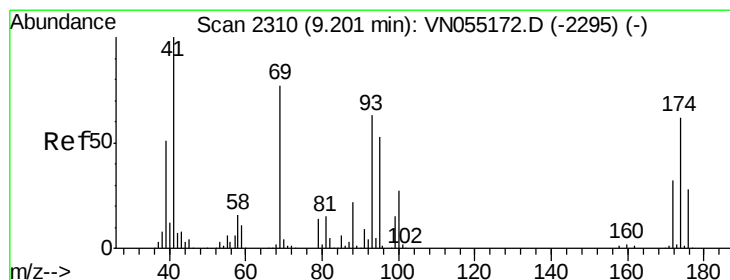
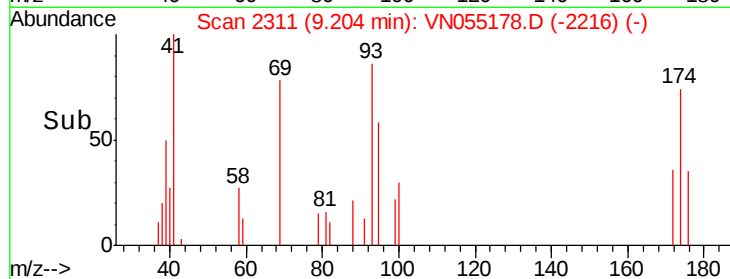
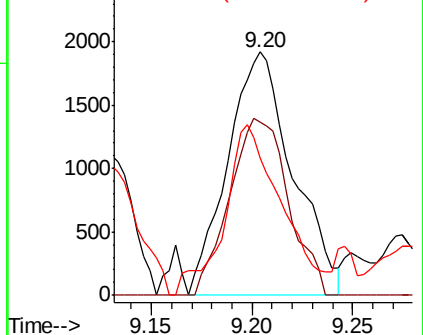
#48
Methvl methacrylate
Concen: 1.114 ug/l
RT: 9.20 min Scan# 2311
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 41 Resp: 4330
Ion Ratio Lower Upper
41 100
69 65.5 63.6 95.4
39 61.3 43.8 65.8

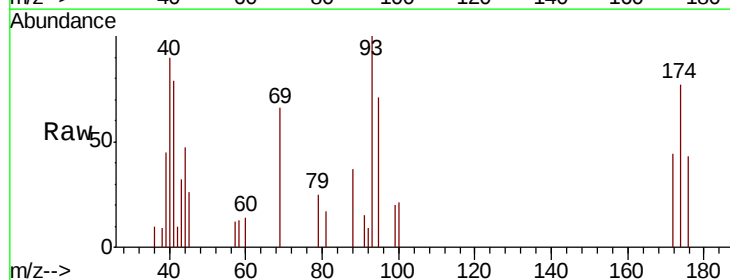


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

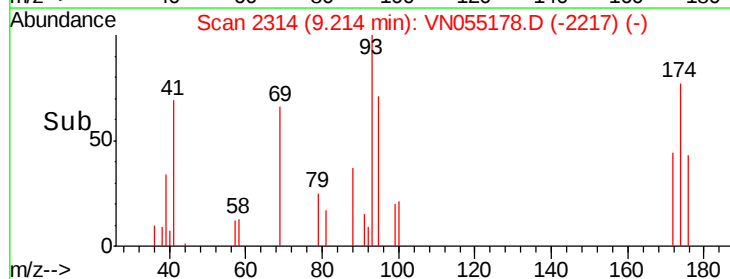
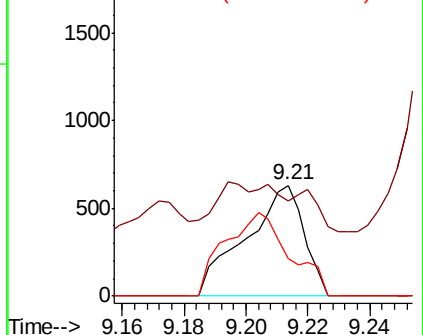


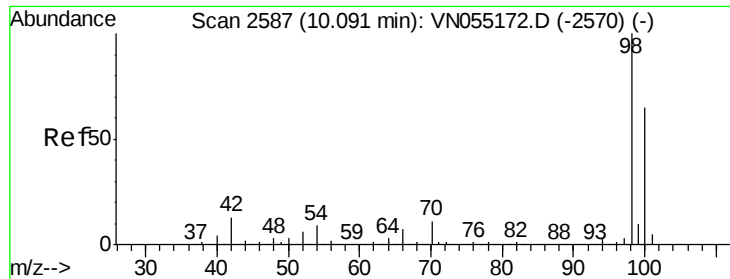
#49
1,4-Dioxane
Concen: 18.331 ug/l
RT: 9.21 min Scan# 2314
Delta R.T. 0.01 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 88 Resp: 823
Ion Ratio Lower Upper
88 100
43 0.0 32.0 48.0#
58 83.8 60.4 90.6



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





#50

Toluene-d8

Concen: 1.155 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

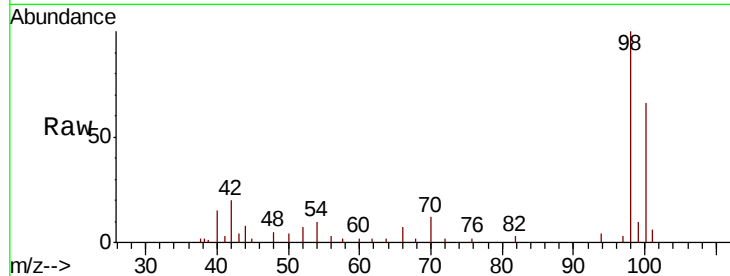
VSTDICC001

Tot Ion: 98 Resp: 19828

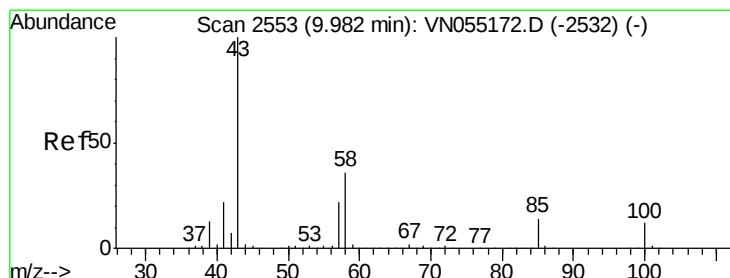
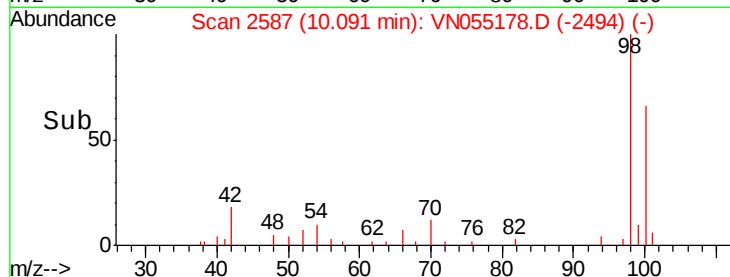
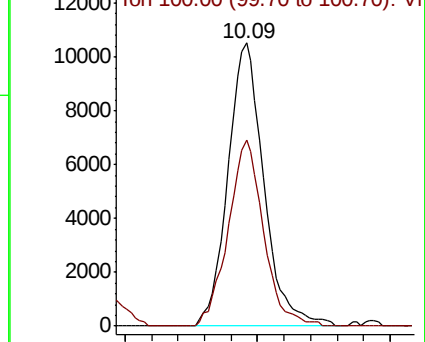
Ion Ratio Lower Upper

98 100

100 64.6 51.8 77.6



Abundance Ion 98.00 (97.70 to 98.70): VN055172.D (-2570) (-)



#51

4-Methyl-2-Pentanone

Concen: 4.922 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055178.D

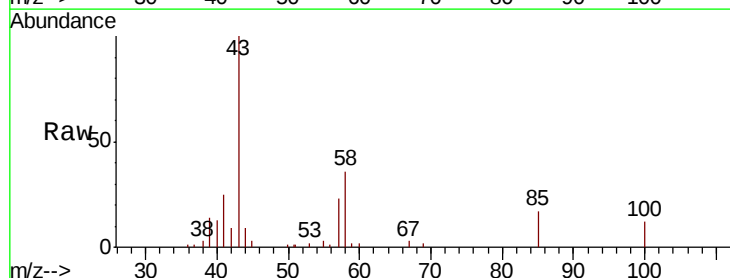
Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 22698

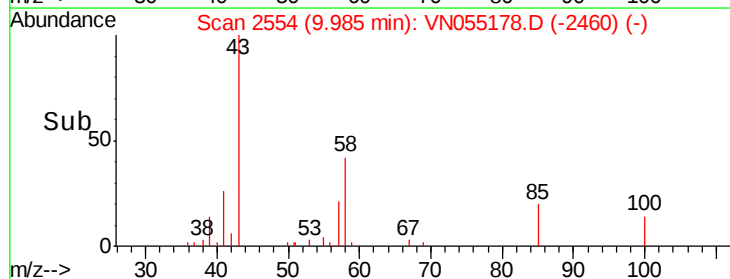
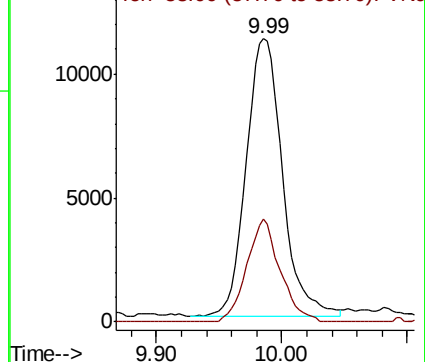
Ion Ratio Lower Upper

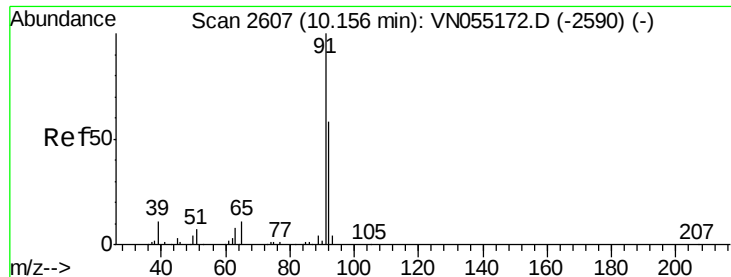
43 100

58 33.6 28.3 42.5



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





#52

Toluene

Concen: 0.912 ug/l

RT: 10.16 min Scan# 2608

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

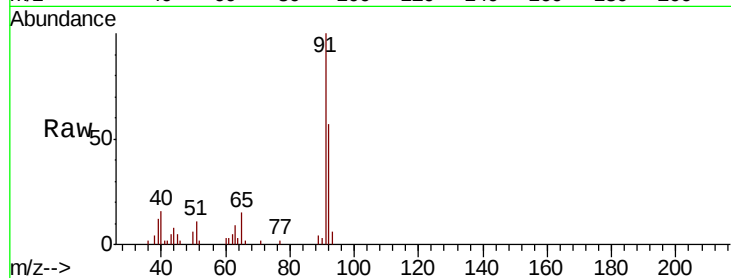
VSTDIC001

Tot Ion: 92 Resp: 10119

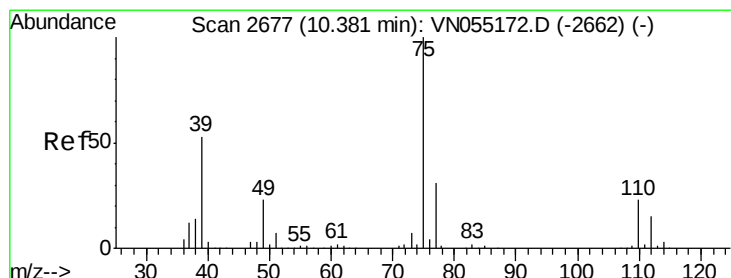
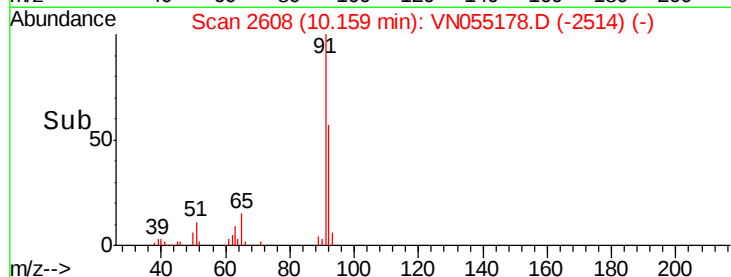
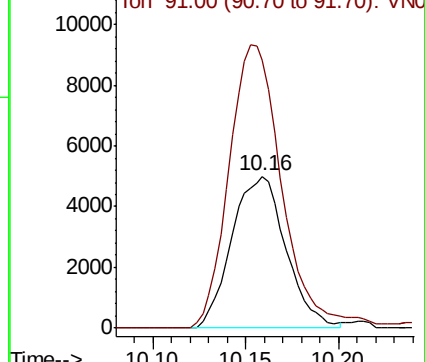
Ion Ratio Lower Upper

92 100

91 182.9 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.891 ug/l

RT: 10.39 min Scan# 2679

Delta R.T. 0.01 min

Lab File: VN055178.D

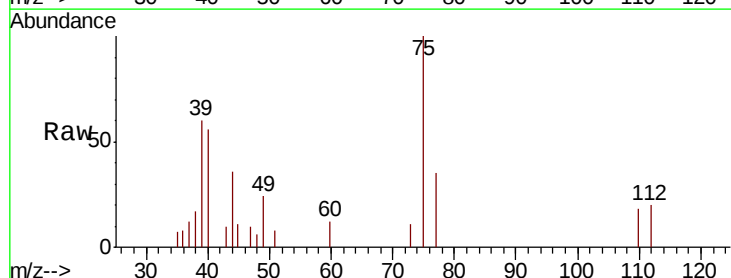
Acq: 22 Apr 2019 13:13

Tgt Ion: 75 Resp: 5007

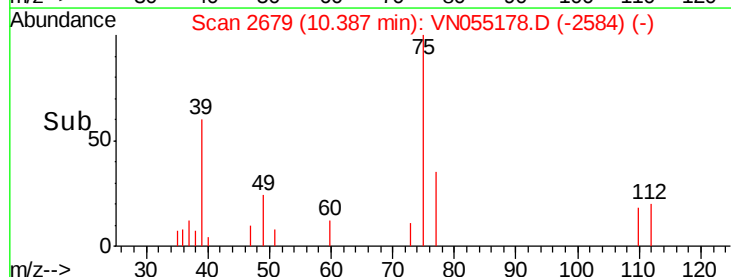
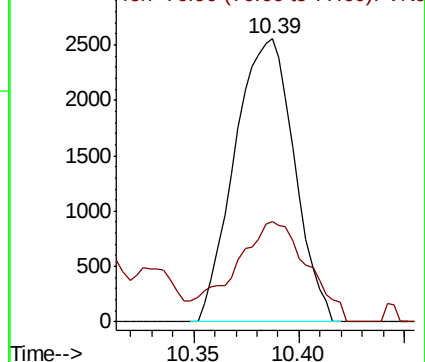
Ion Ratio Lower Upper

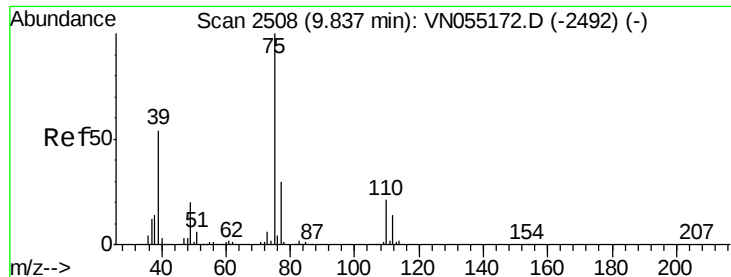
75 100

77 28.7 25.1 37.7



Abundance Ion 74.90 (74.60 to 75.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.912 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

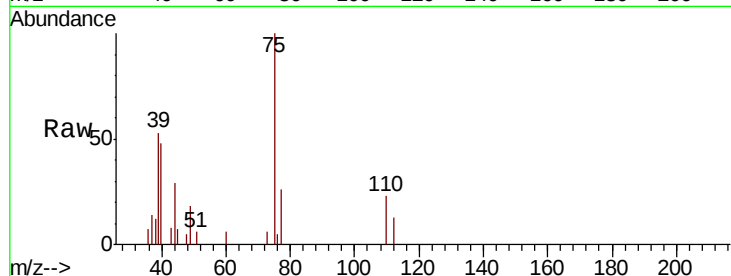
Tot Ion: 75 Resp: 6358

Ion Ratio Lower Upper

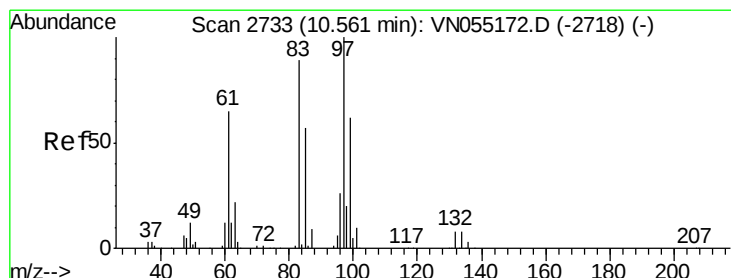
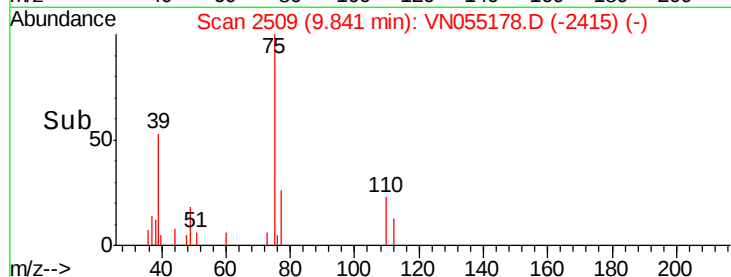
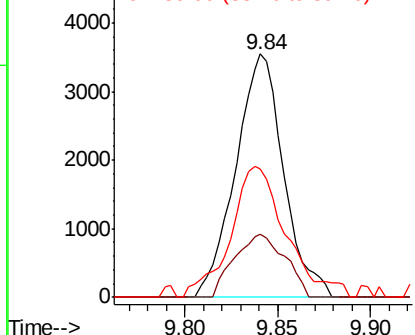
75 100

77 26.0 24.3 36.5

39 48.0 43.0 64.4



Abundance Ion 74.90 (74.60 to 75.60): VNC
Ion 76.90 (76.60 to 77.60): VNC
Ion 39.00 (38.70 to 39.70): VNC



#55

1,1,2-Trichloroethane

Concen: 1.004 ug/l

RT: 10.56 min Scan# 2732

Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Tgt Ion: 97 Resp: 4108

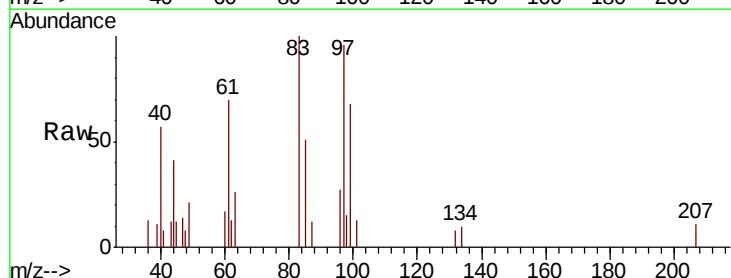
Ion Ratio Lower Upper

97 100

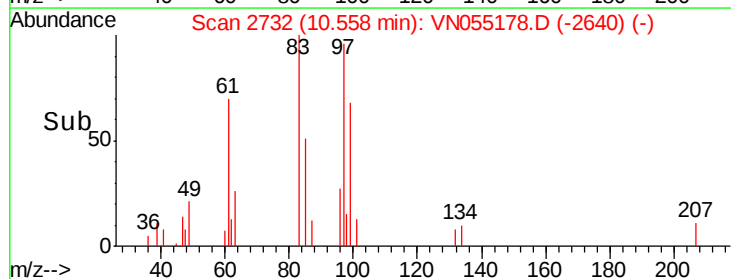
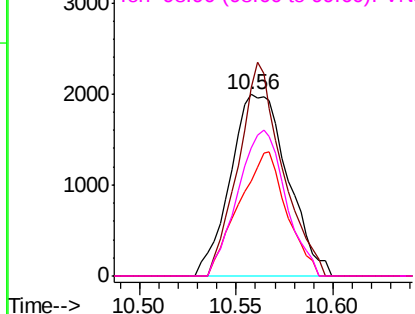
83 103.8 71.5 107.3

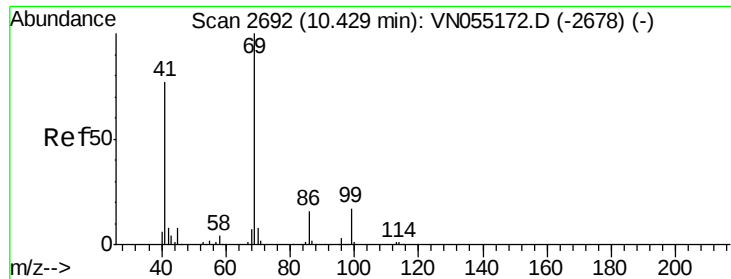
85 52.6 45.8 68.6

99 70.9 49.9 74.9



Abundance Ion 96.90 (96.60 to 97.60): VNC
Ion 82.90 (82.60 to 83.60): VNC
Ion 84.90 (84.60 to 85.60): VNC
Ion 98.90 (98.60 to 99.60): VNC





#56

Ethyl methacrylate

Concen: 0.899 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

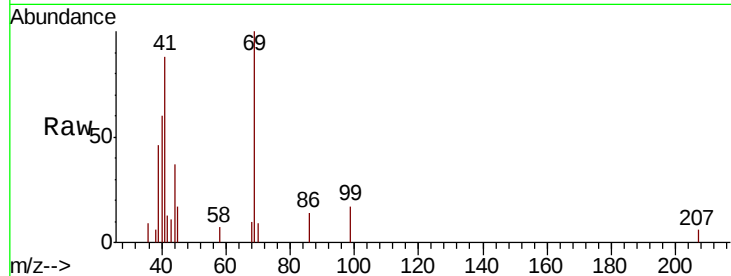
Tot Ion: 69 Resp: 4580

Ion Ratio Lower Upper

69 100

41 88.1 60.6 90.8

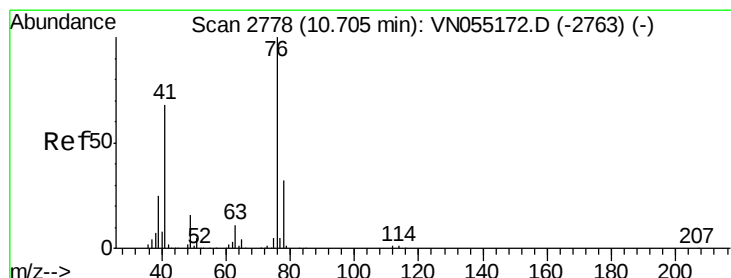
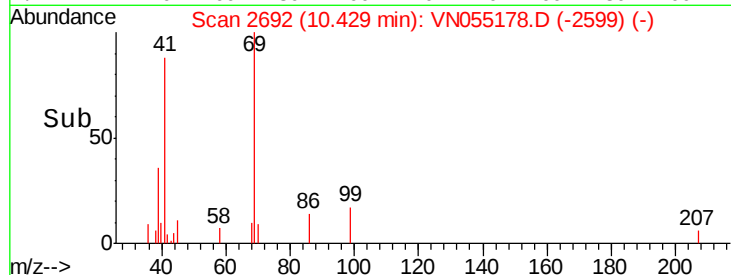
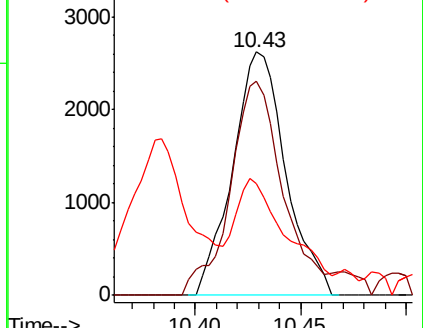
39 36.9 31.7 47.5



Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0



#57

1,3-Dichloropropane

Concen: 0.961 ug/l

RT: 10.71 min Scan# 2780

Delta R.T. 0.01 min

Lab File: VN055178.D

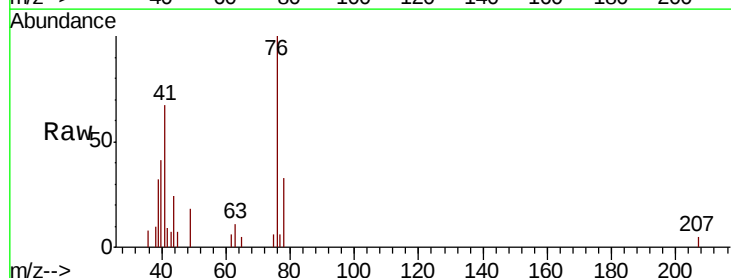
Acq: 22 Apr 2019 13:13

Tgt Ion: 76 Resp: 6841

Ion Ratio Lower Upper

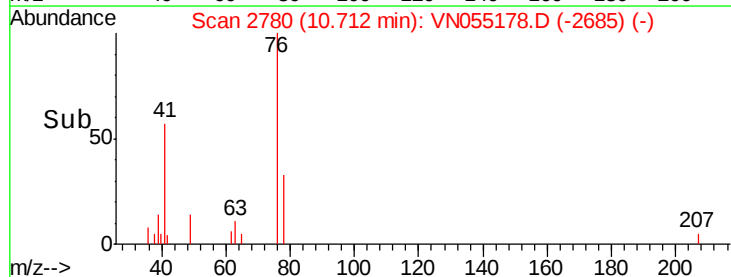
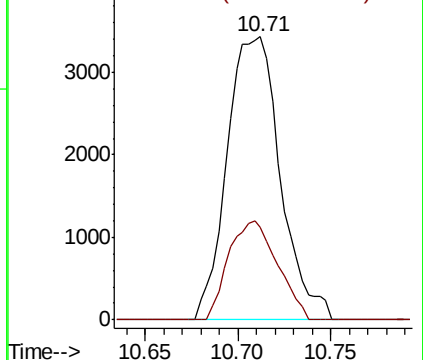
76 100

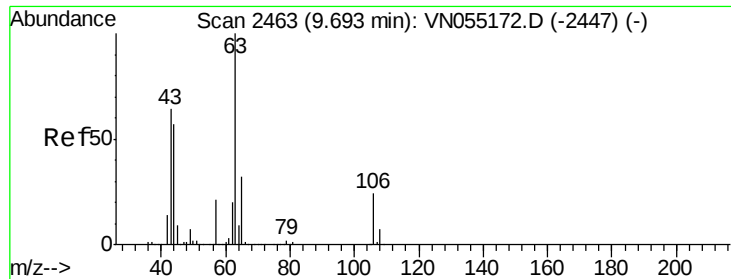
78 32.0 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

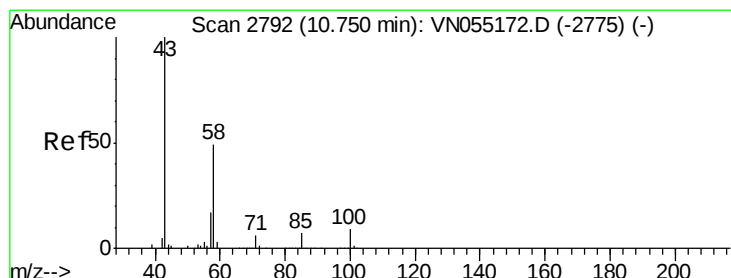
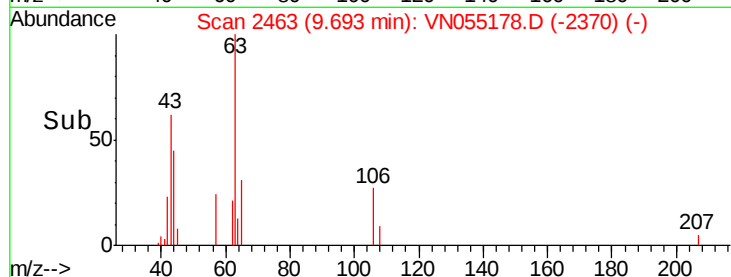
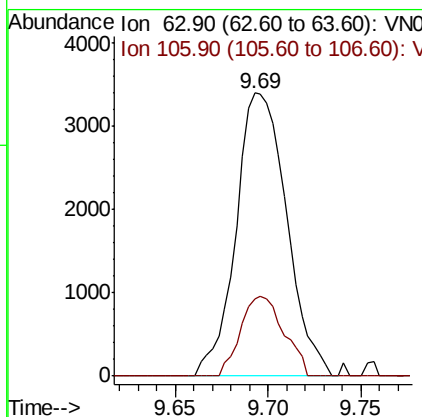
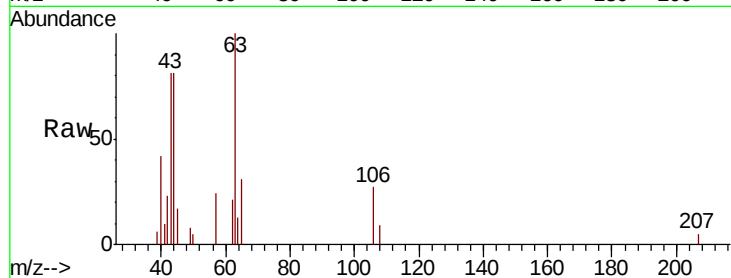




#58
 2-Chloroethyl Vinyl ether
 Concen: 3.930 ug/l
 RT: 9.69 min Scan# 2463
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

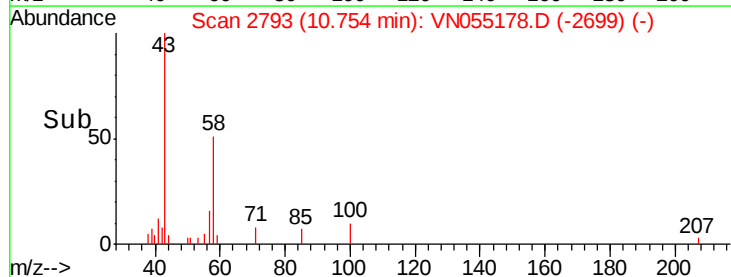
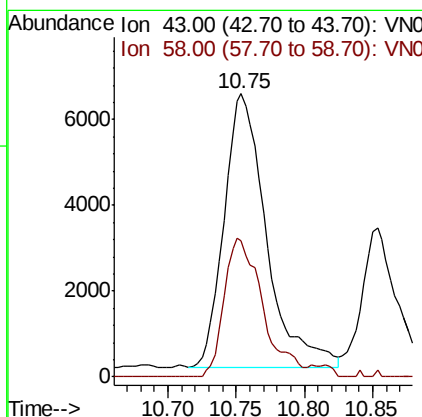
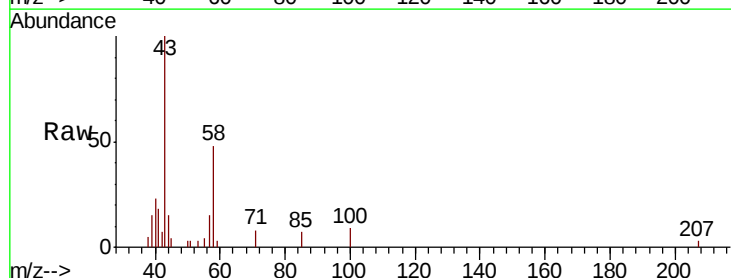
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

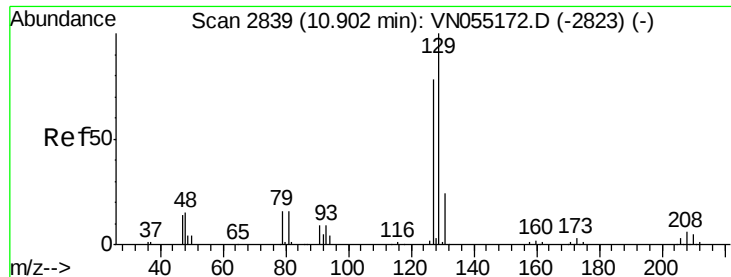
Tot Ion: 63 Resp: 6458
 Ion Ratio Lower Upper
 63 100
 106 24.2 19.4 29.0



#59
 2-Hexanone
 Concen: 4.715 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 43 Resp: 13735
 Ion Ratio Lower Upper
 43 100
 58 46.4 24.5 73.5





#60

Dibromochloromethane

Concen: 0.876 ug/l

RT: 10.90 min Scan# 2838

Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

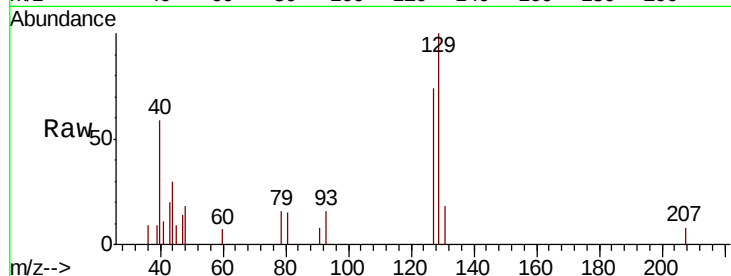
VSTDIC001

Tot Ion:129 Resp: 3693

Ion Ratio Lower Upper

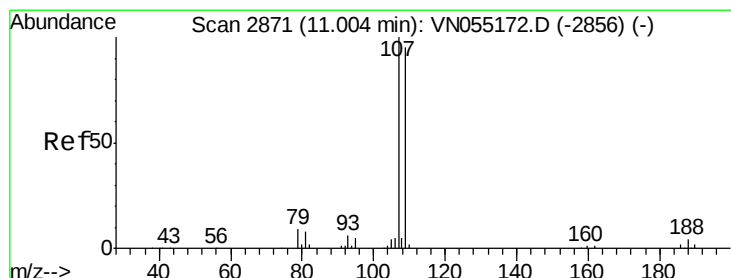
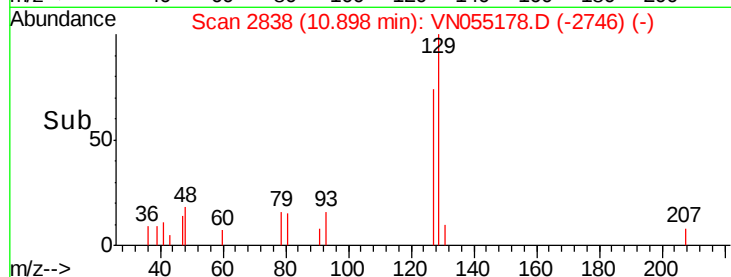
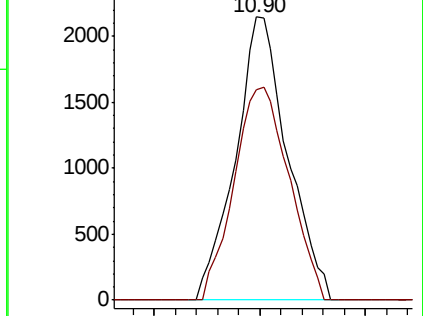
129 100

127 79.1 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: 0.938 ug/l

RT: 11.01 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VN055178.D

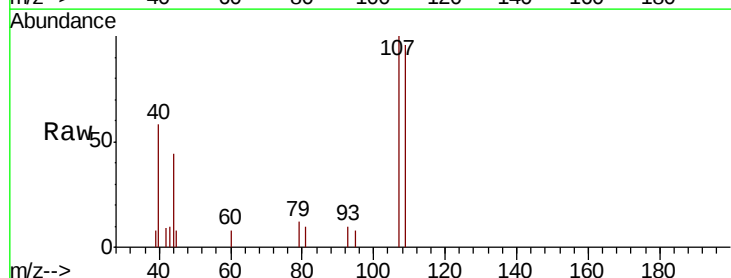
Acq: 22 Apr 2019 13:13

Tgt Ion:107 Resp: 3609

Ion Ratio Lower Upper

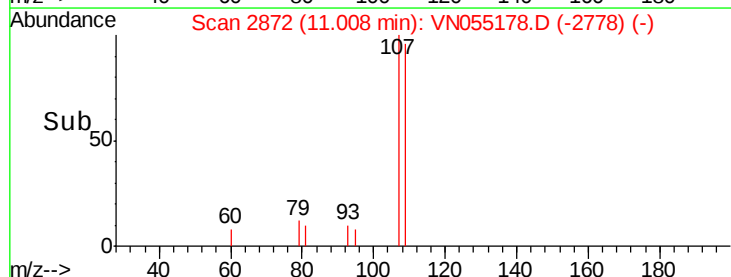
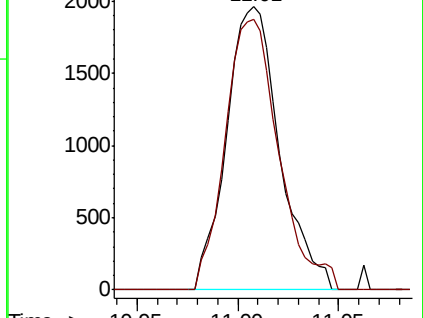
107 100

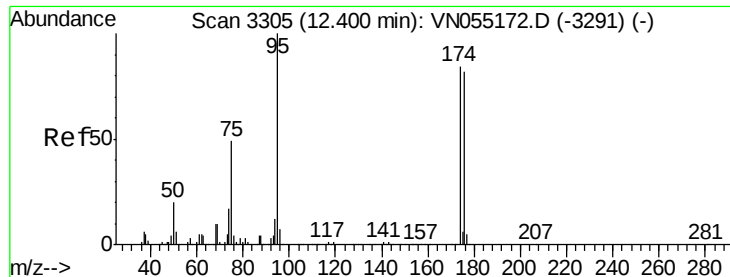
109 96.6 75.8 113.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V





#62

4-Bromofluorobenzene

Concen: 1.131 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

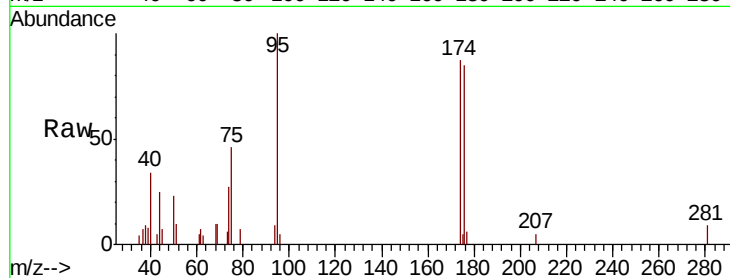
Tot Ion: 95 Resp: 6120

Ion Ratio Lower Upper

95 100

174 89.0 0.0 168.4

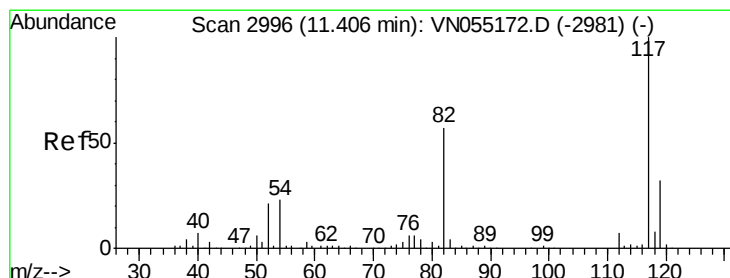
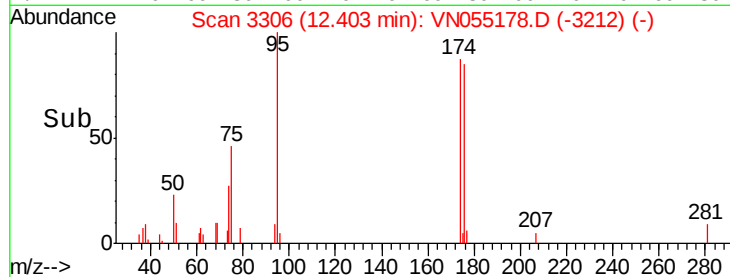
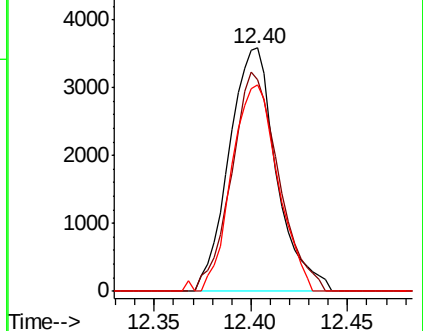
176 82.4 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055178.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055178.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055178.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

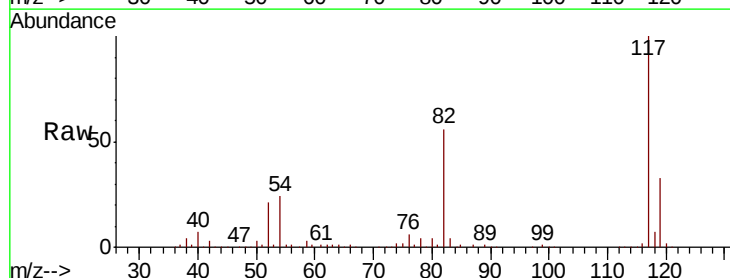
Tgt Ion: 117 Resp: 539497

Ion Ratio Lower Upper

117 100

82 56.0 45.7 68.5

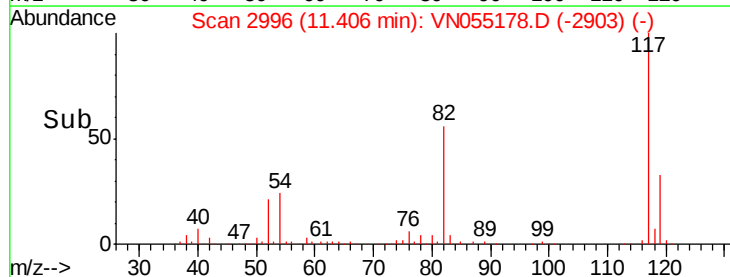
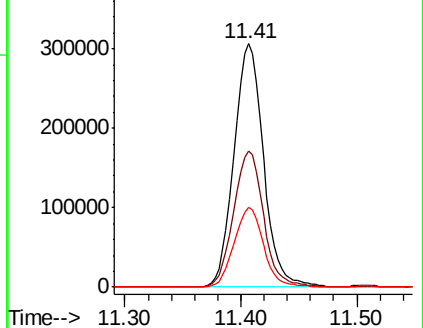
119 32.6 25.4 38.2

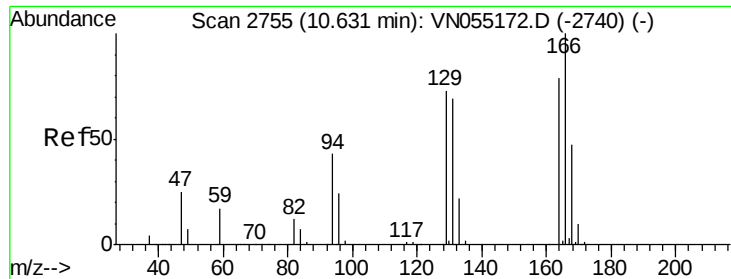


Abundance Ion 116.90 (116.60 to 117.60): VN055178.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN055178.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN055178.D (-2903) (-)





#64

Tetrachloroethene

Concen: 0.952 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion:164 Resp: 4188

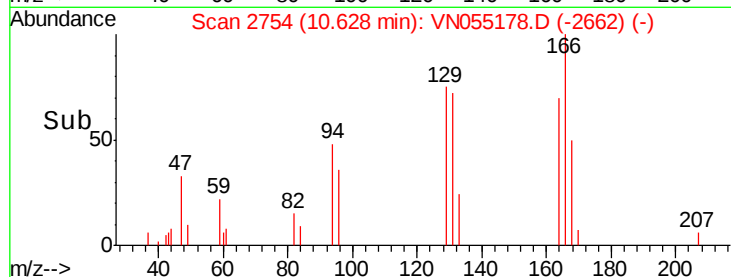
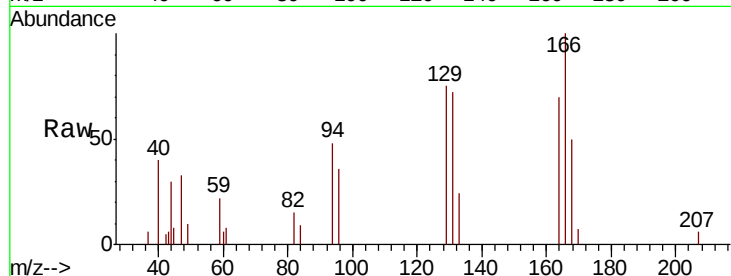
Ion Ratio Lower Upper

164 100

166 142.6 101.9 152.9

129 107.3 74.1 111.1

131 103.3 70.6 106.0

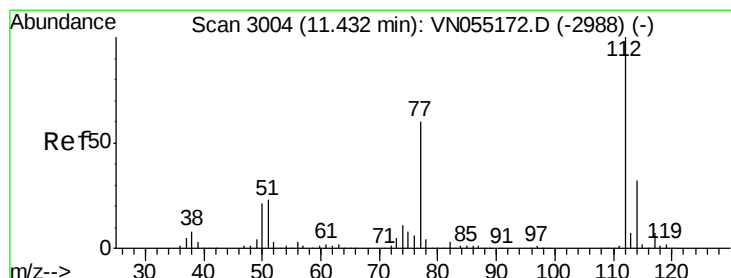
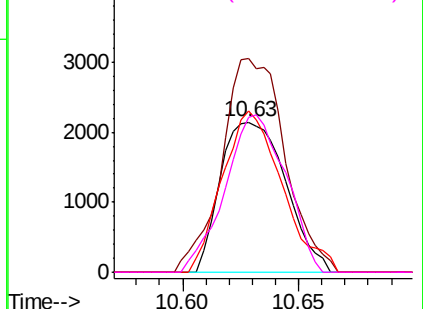


Abundance Ion 163.80 (163.50 to 164.50): V

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: 1.060 ug/l

RT: 11.43 min Scan# 3003

Delta R.T. -0.00 min

Lab File: VN055178.D

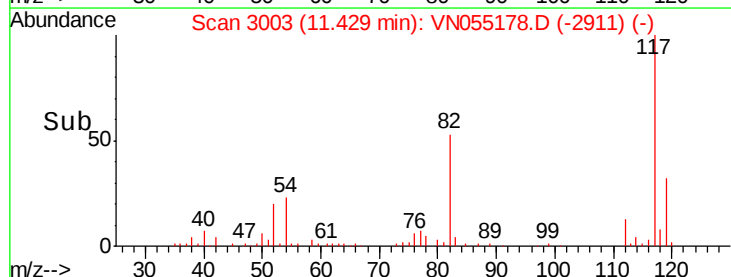
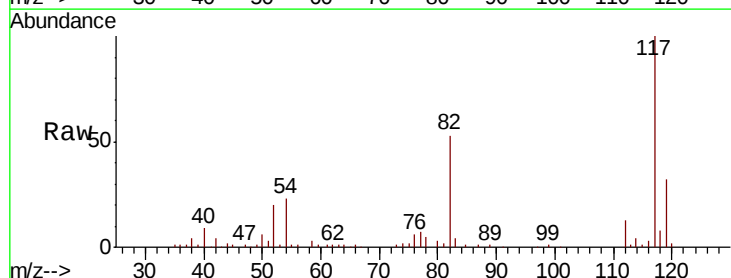
Acq: 22 Apr 2019 13:13

Tgt Ion:112 Resp: 11670

Ion Ratio Lower Upper

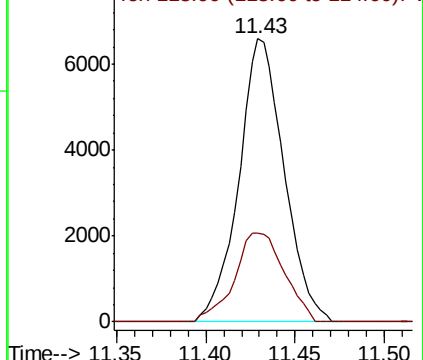
112 100

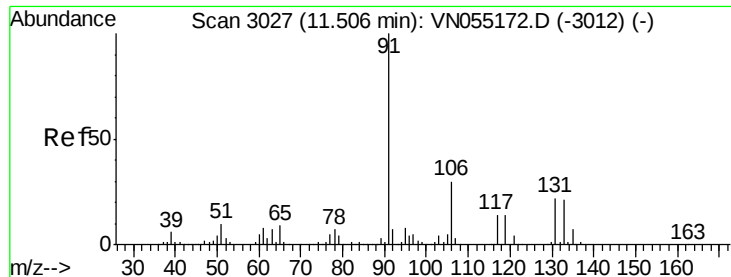
114 31.4 25.4 38.0



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: 0.960 ug/l

RT: 11.50 min Scan# 3026

Delta R.T. -0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

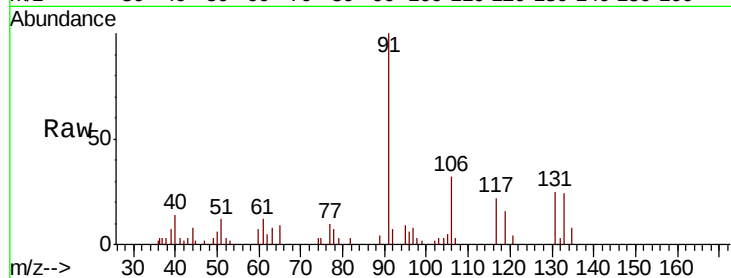
Tot Ion:131 Resp: 3919

Ion Ratio Lower Upper

131 100

133 96.2 47.7 143.1

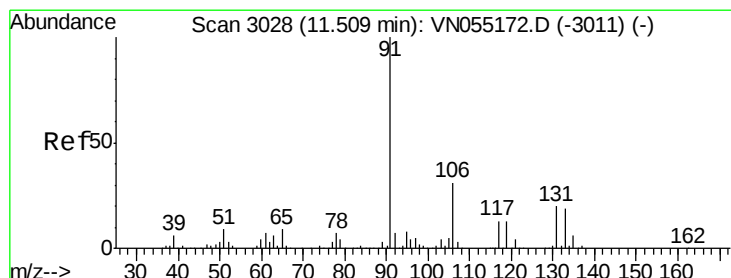
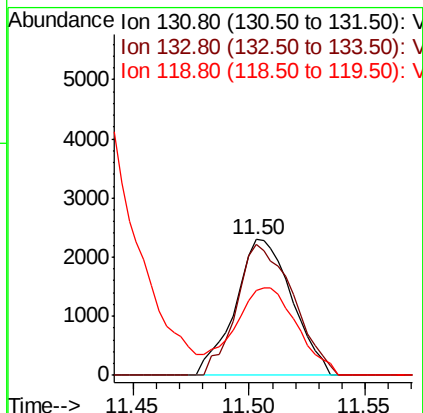
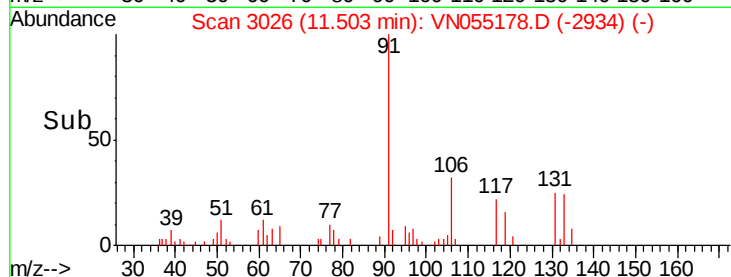
119 0.0 33.2 99.6#



Abundance Ion 130.80 (130.50 to 131.50): V

Ion 132.80 (132.50 to 133.50): V

Ion 118.80 (118.50 to 119.50): V



#67

Ethyl Benzene

Concen: 0.943 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055178.D

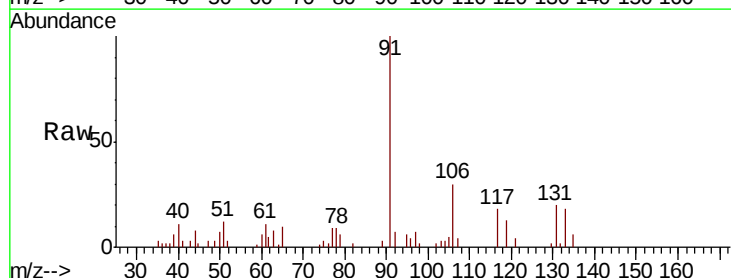
Acq: 22 Apr 2019 13:13

Tgt Ion: 91 Resp: 18490

Ion Ratio Lower Upper

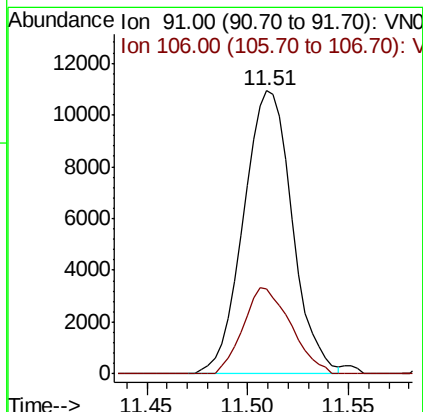
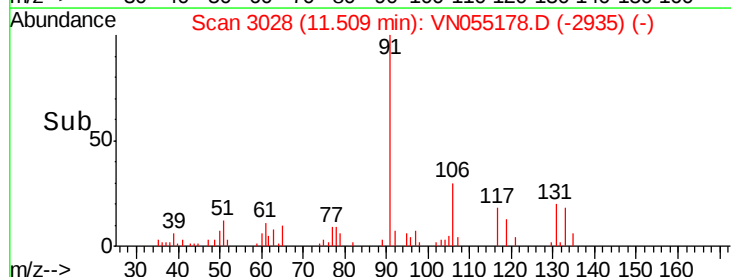
91 100

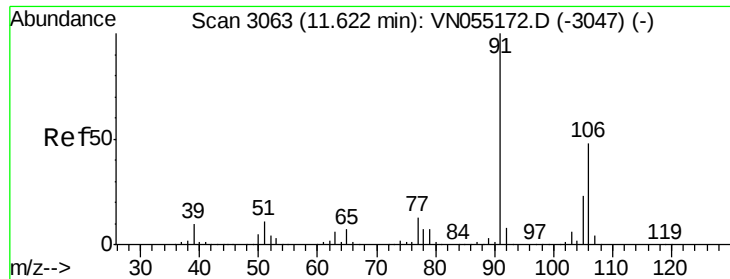
106 30.0 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

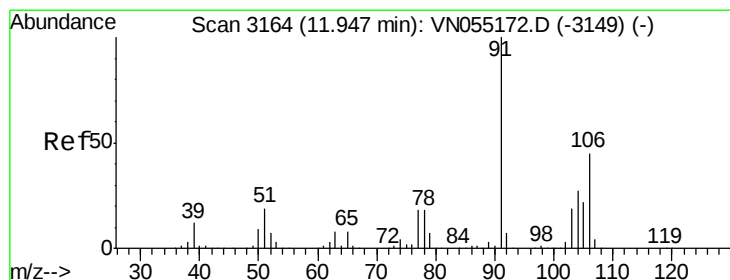
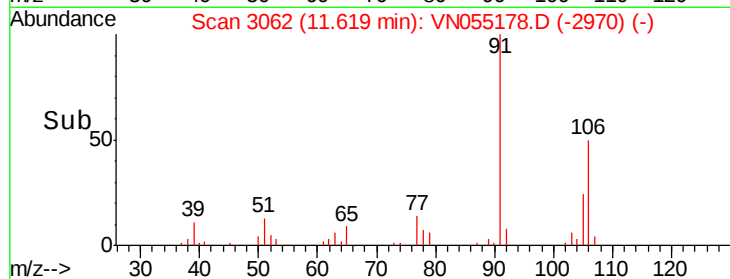
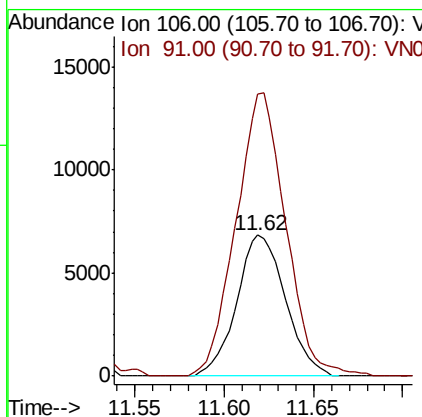
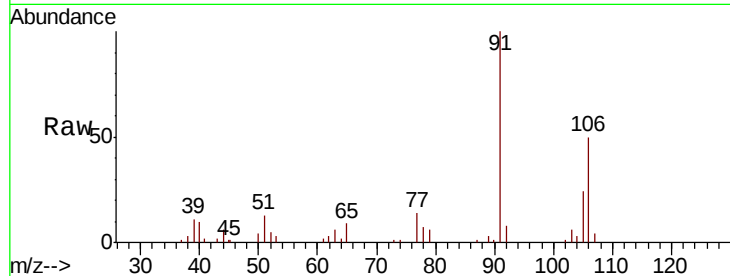




#68
m/p-Xylenes
Concen: 1.851 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

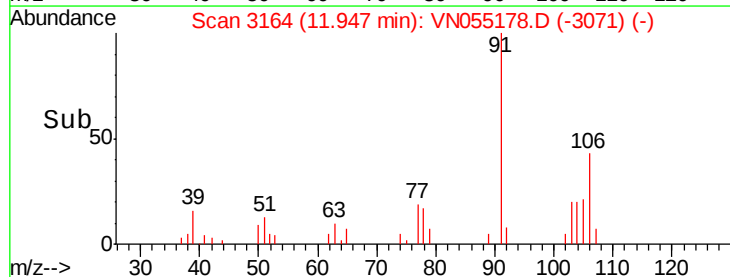
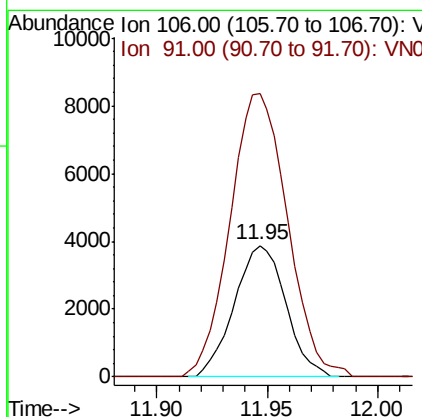
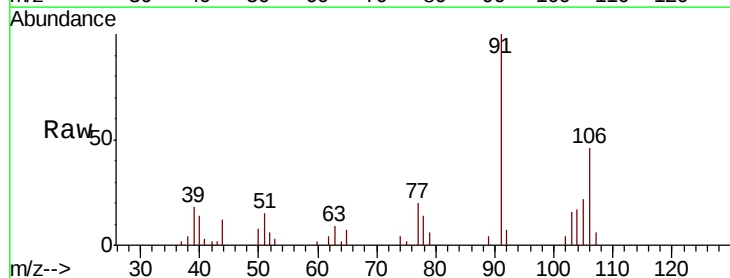
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

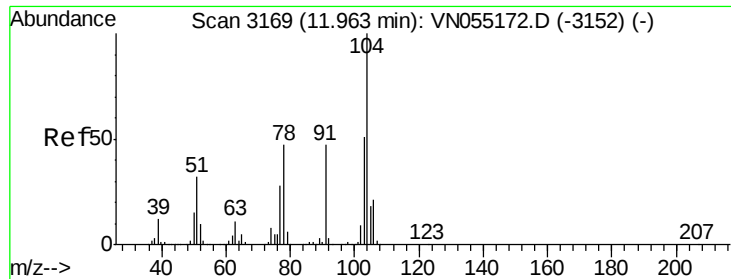
Tot Ion:106 Resp: 13019
Ion Ratio Lower Upper
106 100
91 205.6 167.1 250.7



#69
o-Xylene
Concen: 0.902 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion:106 Resp: 6297
Ion Ratio Lower Upper
106 100
91 240.2 110.6 331.8

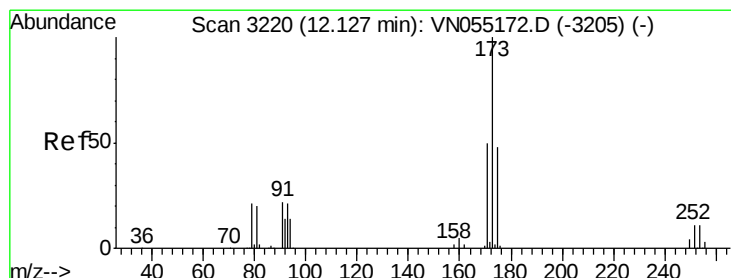
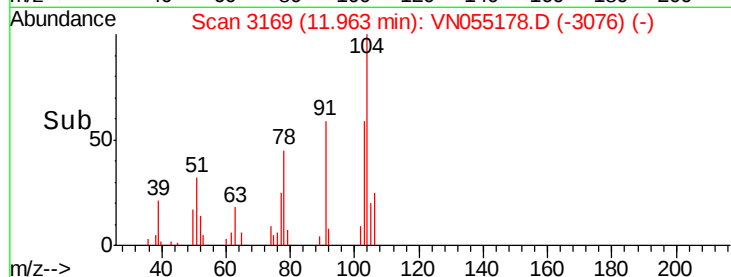
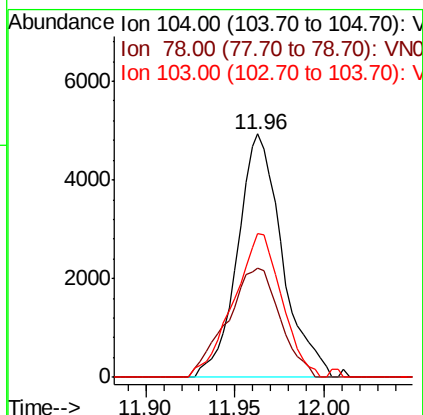
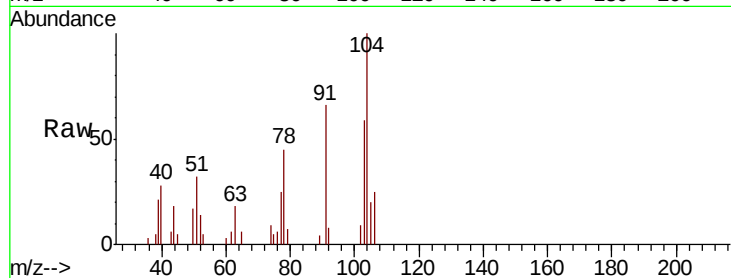




#70
Stvrene
Concen: 0.793 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

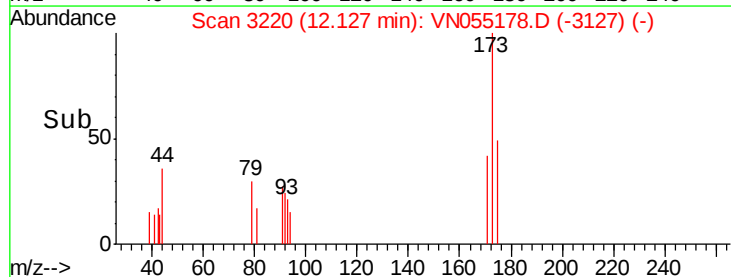
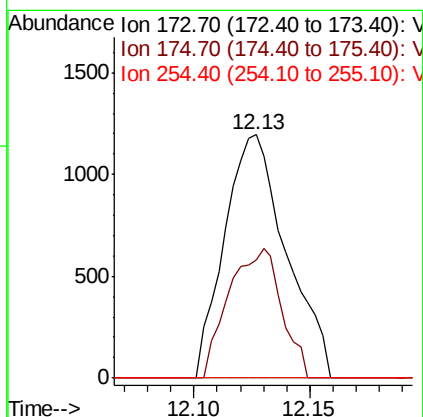
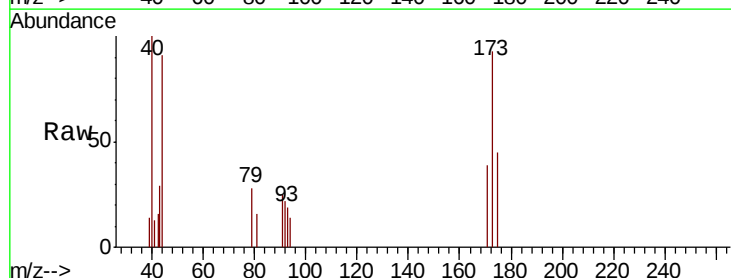
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

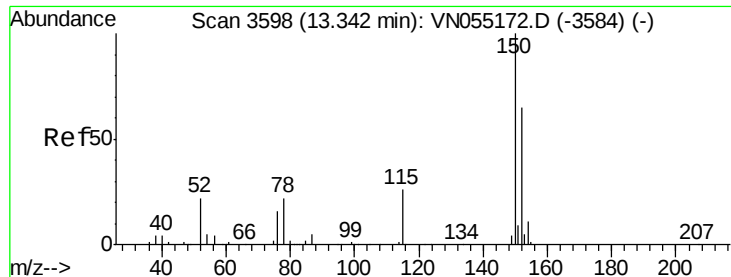
Tot Ion:104 Resp: 8578
Ion Ratio Lower Upper
104 100
78 53.0 41.3 61.9
103 63.8 44.2 66.4



#71
Bromoform
Concen: 0.909 ug/l
RT: 12.13 min Scan# 3220
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion:173 Resp: 2213
Ion Ratio Lower Upper
173 100
175 45.5 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: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

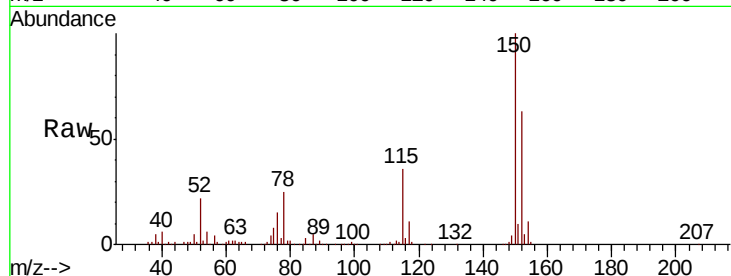
Tot Ion:152 Resp: 141635

Ion Ratio Lower Upper

152 100

115 57.4 28.9 86.7

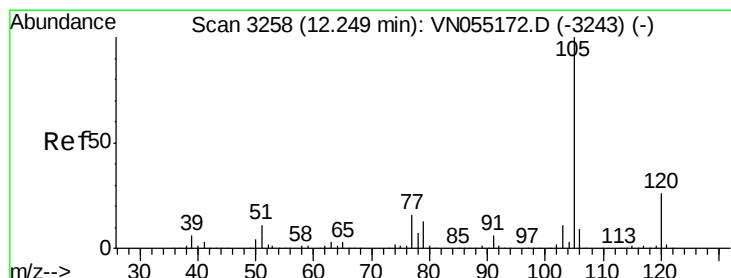
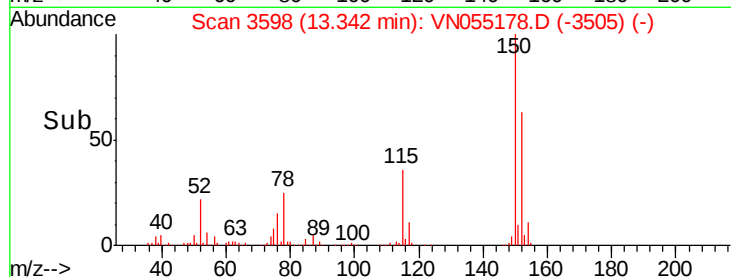
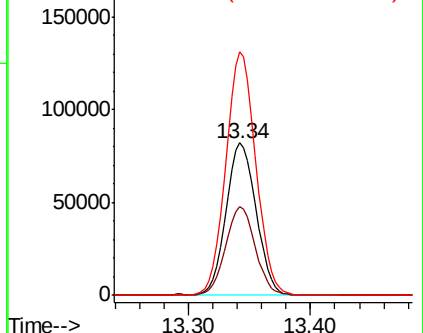
150 158.2 0.0 346.6



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: 1.235 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055178.D

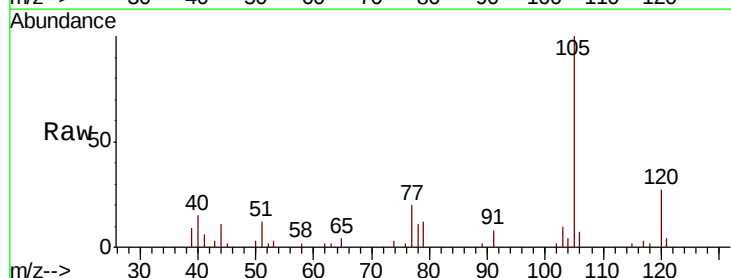
Acq: 22 Apr 2019 13:13

Tgt Ion:105 Resp: 16793

Ion Ratio Lower Upper

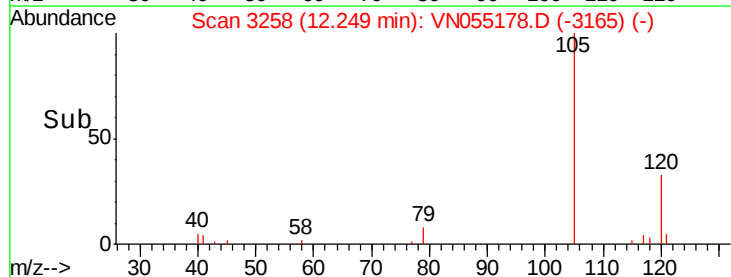
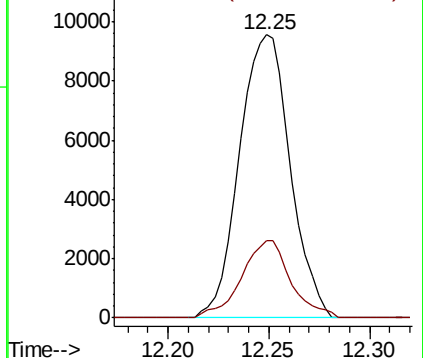
105 100

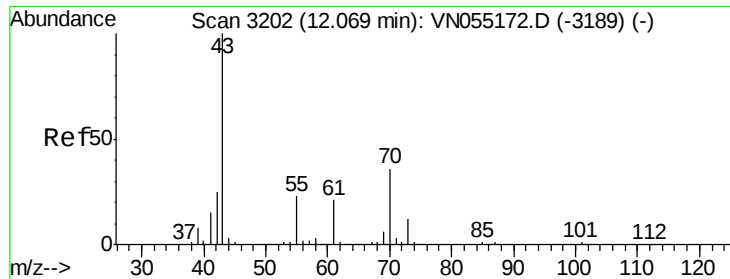
120 26.5 13.1 39.1



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 1.057 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 3861

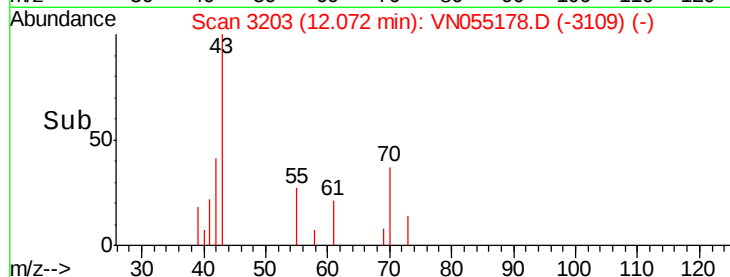
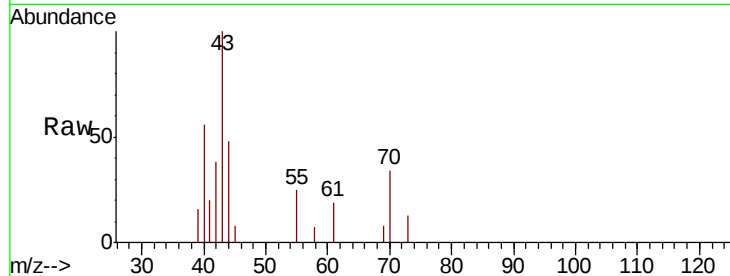
Ion Ratio Lower Upper

43 100

70 33.5 29.0 43.6

55 27.4 18.5 27.7

61 17.1 17.0 25.4

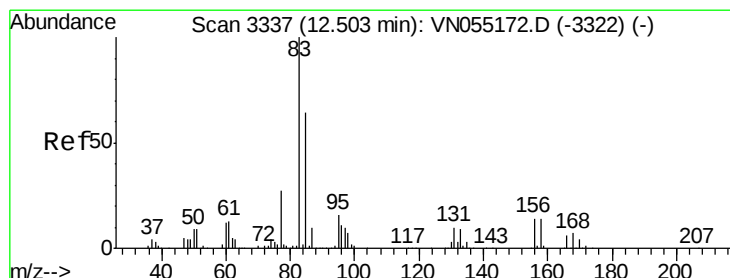
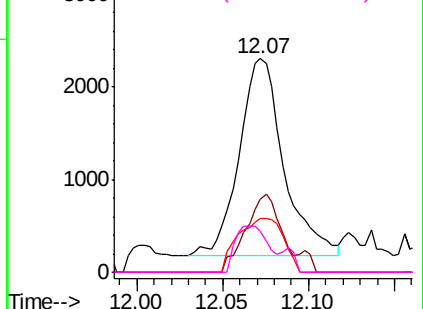


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: 1.402 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

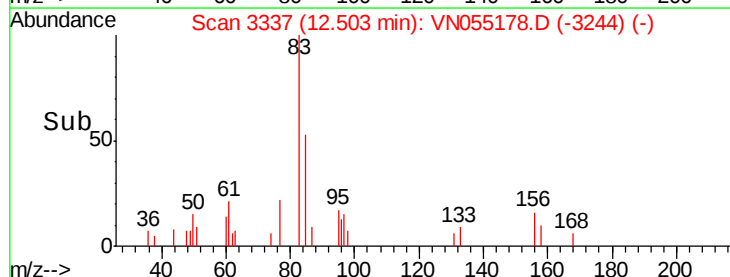
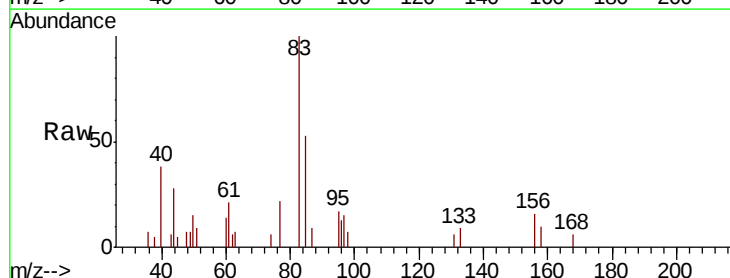
Tgt Ion: 83 Resp: 5043

Ion Ratio Lower Upper

83 100

131 4.1 5.0 15.0#

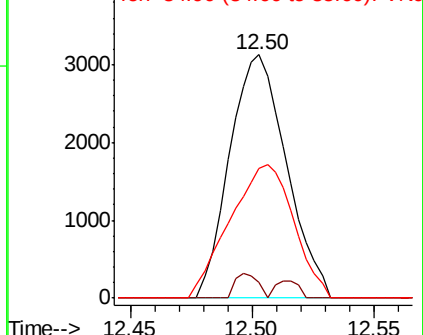
85 61.7 32.1 96.3

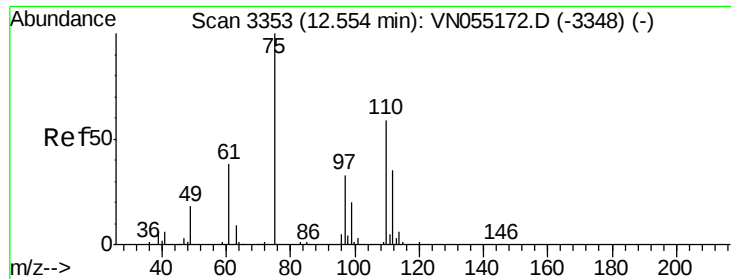


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

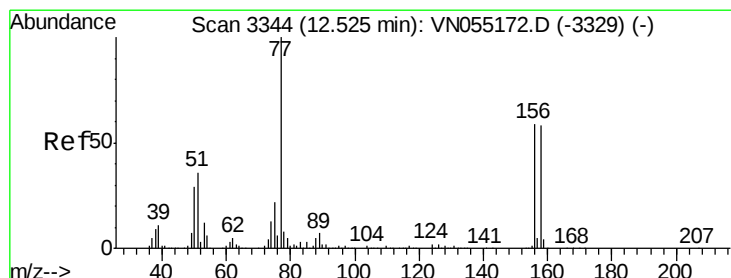
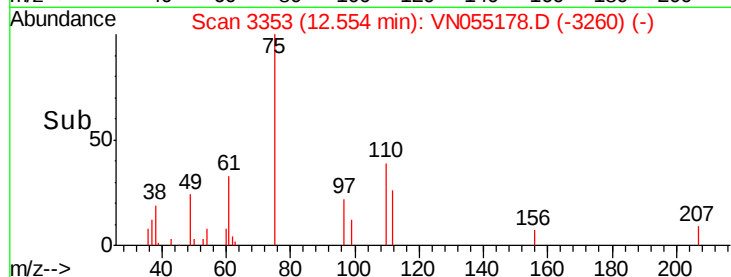
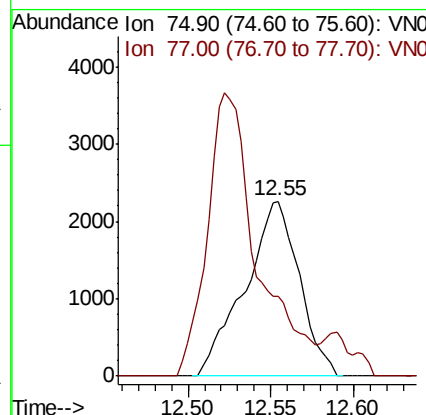
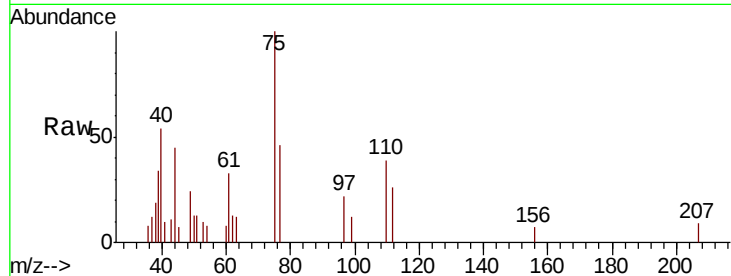




#76
 1,2,3-Trichloropropane
 Concen: 1.937 ug/l
 RT: 12.55 min Scan# 3353
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

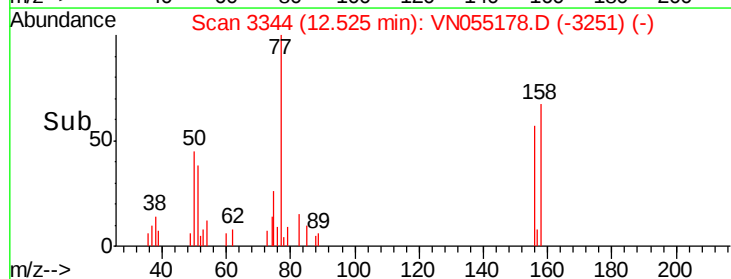
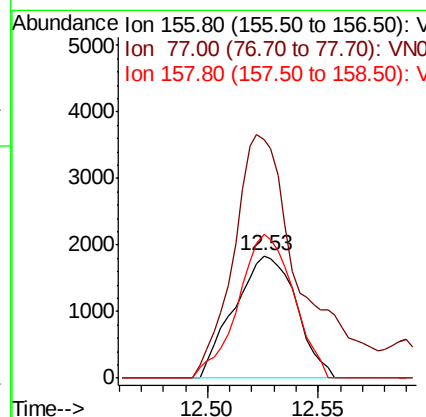
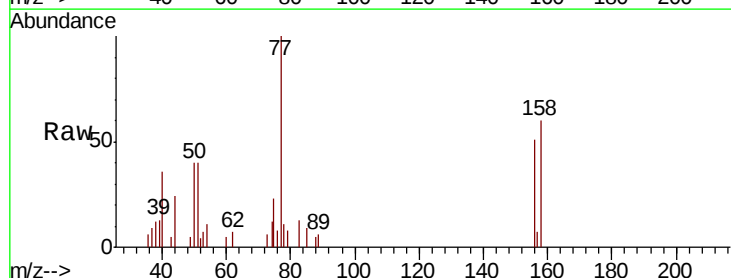
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

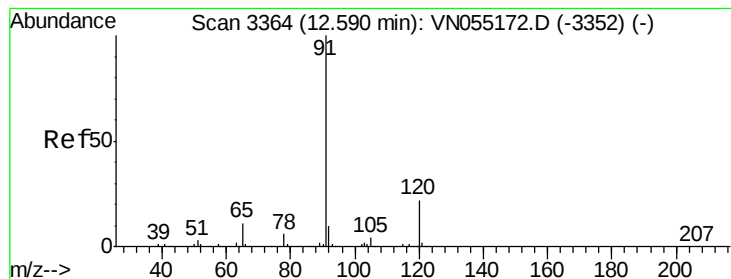
Tot Ion: 75 Resp: 5141
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 1.145 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 156 Resp: 3580
 Ion Ratio Lower Upper
 156 100
 77 213.4 98.0 293.9
 158 104.8 48.9 146.8





#78

n-propylbenzene

Concen: 1.087 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

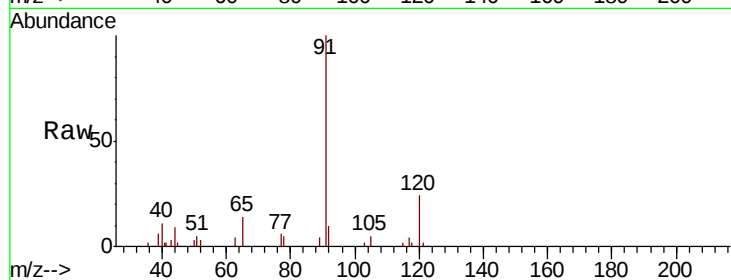
VSTDIC001

Tot Ion: 91 Resp: 15442

Ion Ratio Lower Upper

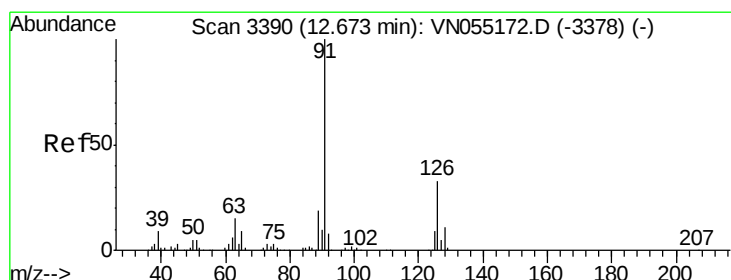
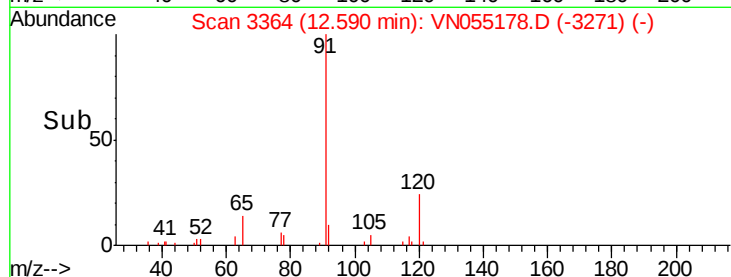
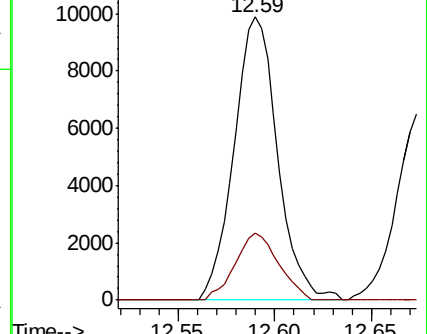
91 100

120 23.6 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V



#79

2-Chlorotoluene

Concen: 1.165 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055178.D

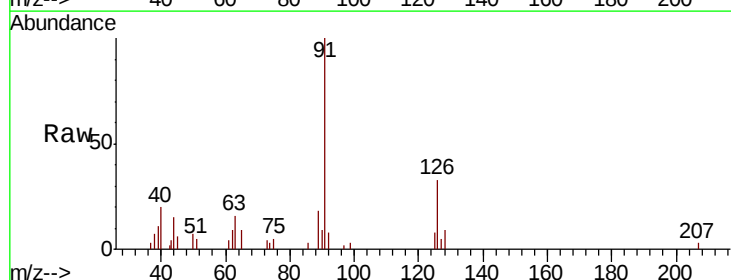
Acq: 22 Apr 2019 13:13

Tgt Ion: 91 Resp: 10448

Ion Ratio Lower Upper

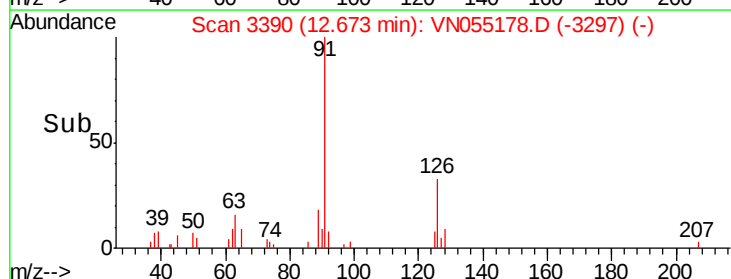
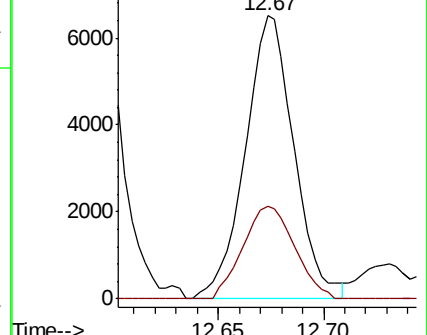
91 100

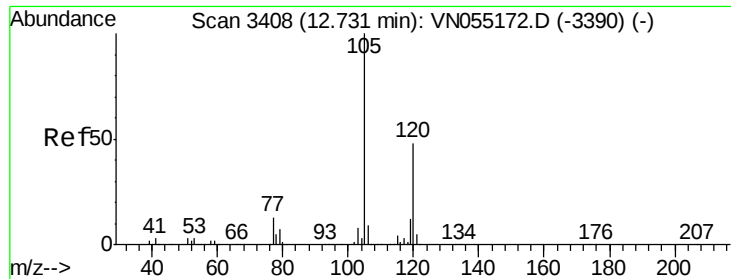
126 34.7 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V





#80

1,3,5-Trimethylbenzene

Concen: 1.076 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

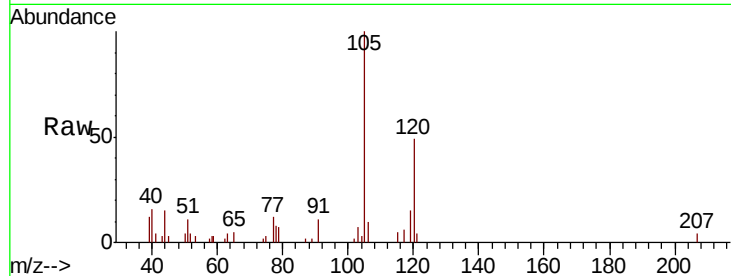
VSTDIC001

Tot Ion:105 Resp: 11404

Ion Ratio Lower Upper

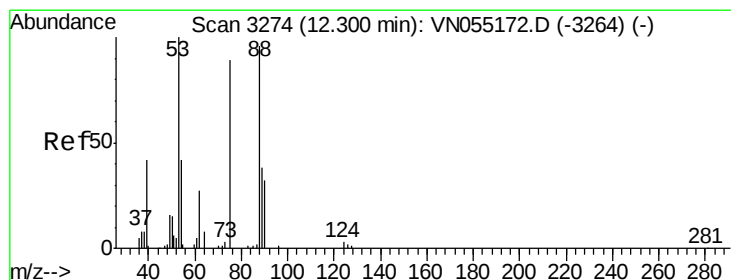
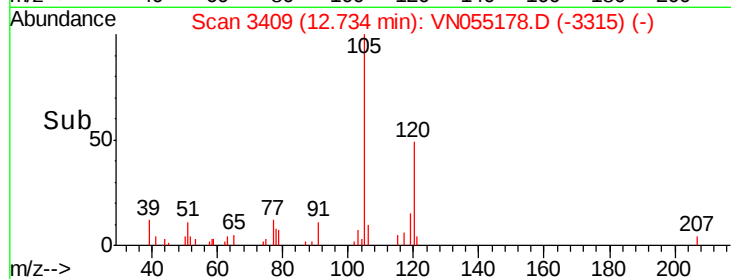
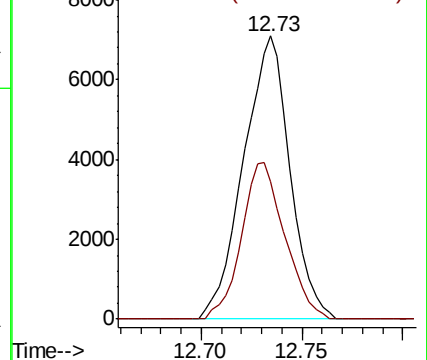
105 100

120 51.8 23.9 71.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 1.240 ug/l

RT: 12.30 min Scan# 3274

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

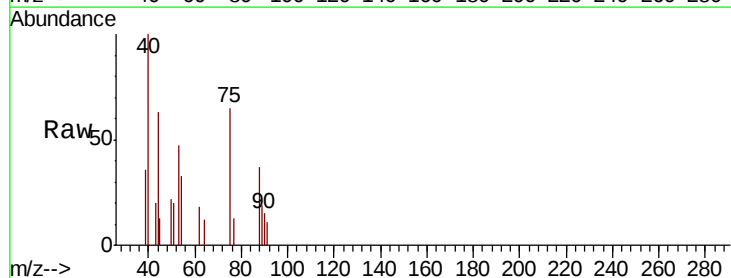
Tgt Ion: 75 Resp: 940

Ion Ratio Lower Upper

75 100

53 115.3 90.1 135.1

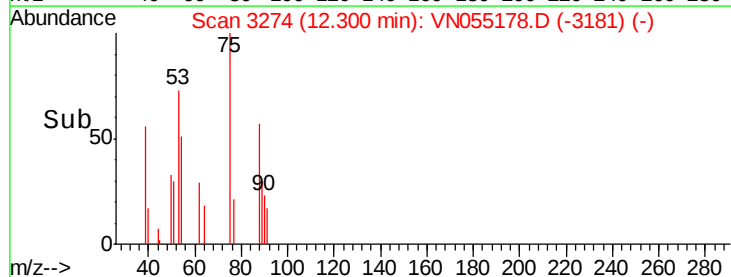
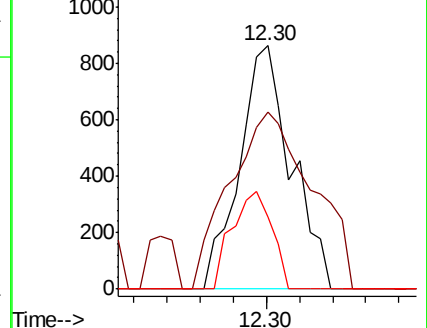
89 30.6 36.7 55.1#

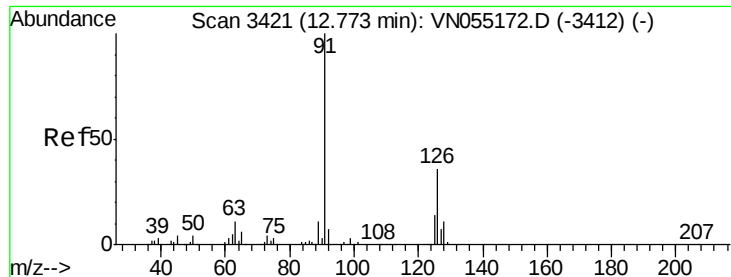


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

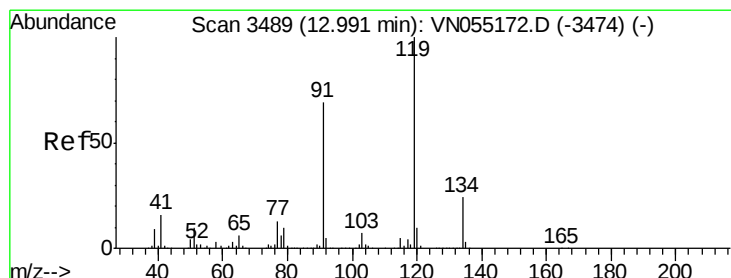
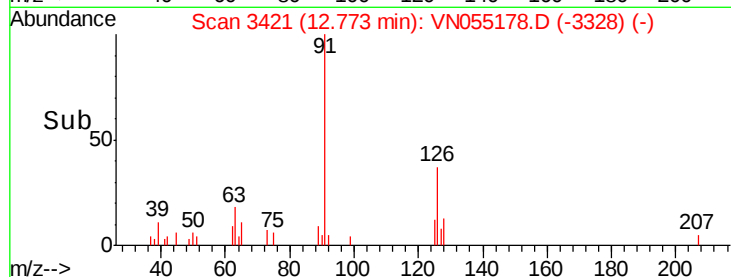
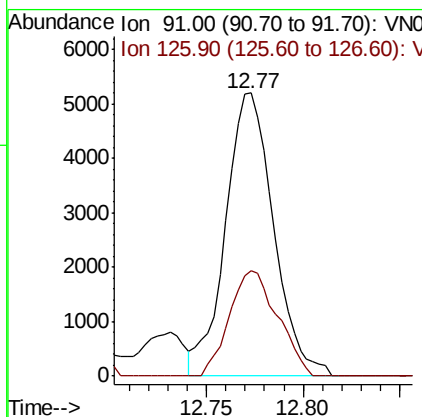
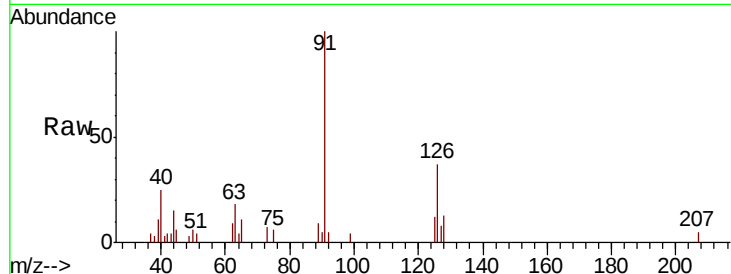




#82
4-Chlorotoluene
Concen: 1.091 ug/l
RT: 12.77 min Scan# 3421
Delta R.T. 0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

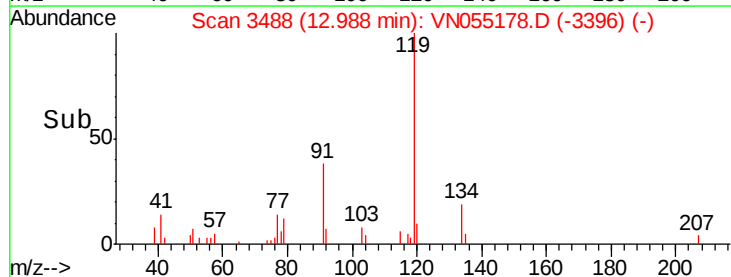
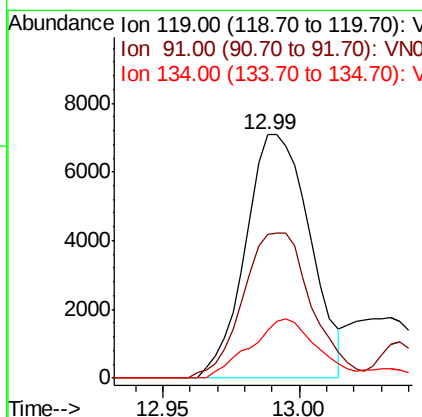
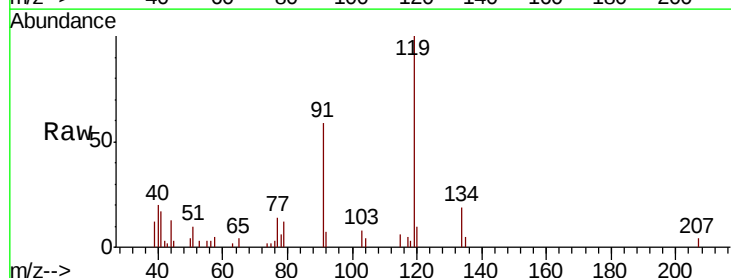
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

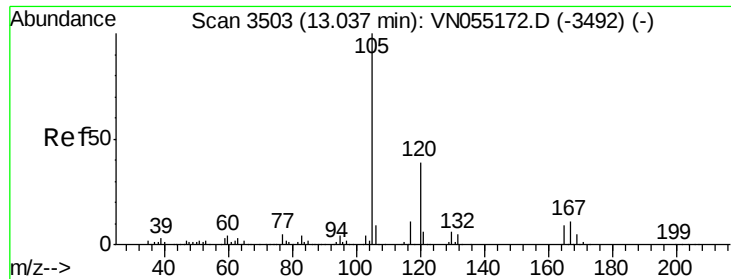
Tot Ion: 91 Resp: 9002
Ion Ratio Lower Upper
91 100
126 37.2 16.5 49.5



#83
tert-Butylbenzene
Concen: 1.225 ug/l
RT: 12.99 min Scan# 3488
Delta R.T. -0.00 min
Lab File: VN055178.D
Acq: 22 Apr 2019 13:13

Tgt Ion: 119 Resp: 11616
Ion Ratio Lower Upper
119 100
91 63.2 33.8 101.3
134 24.9 13.2 39.5

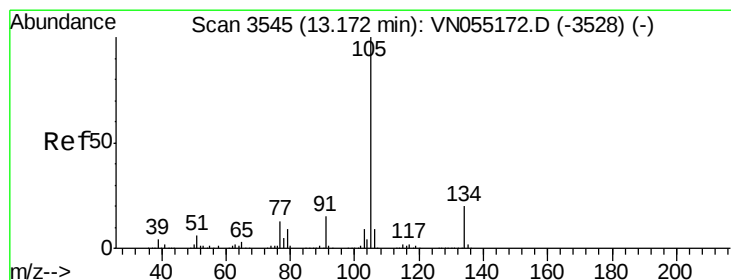
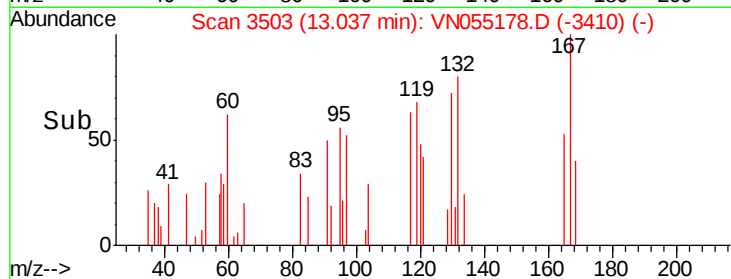
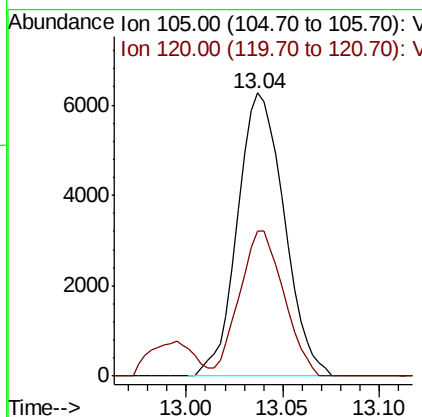
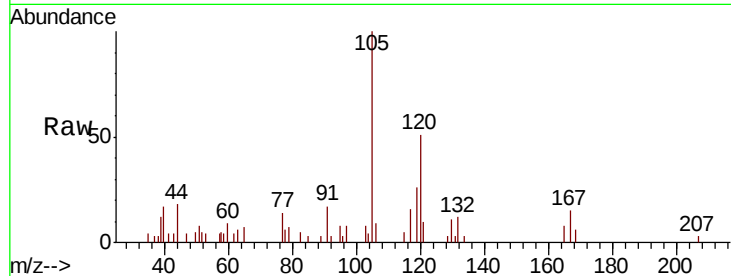




#84
 1,2,4-Trimethylbenzene
 Concen: 1.050 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

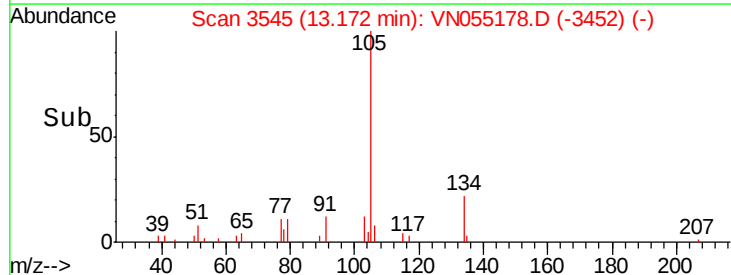
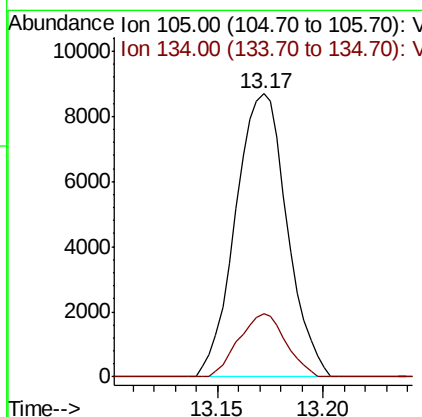
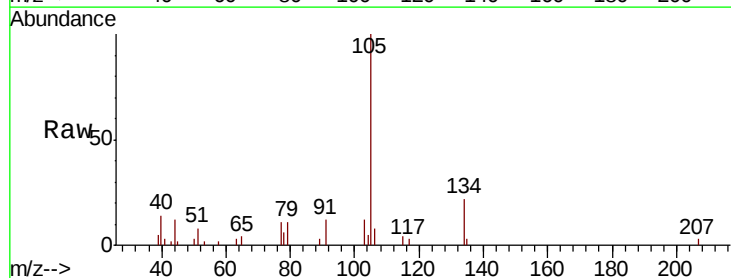
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

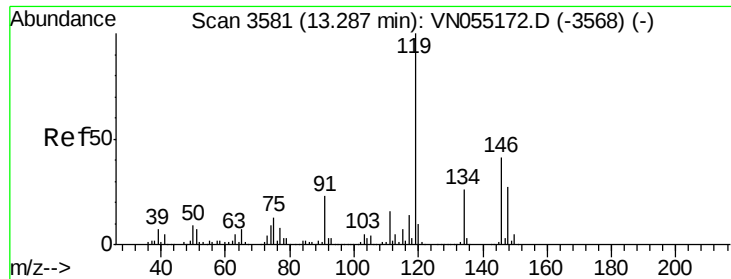
Tot Ion:105 Resp: 10507
 Ion Ratio Lower Upper
 105 100
 120 49.0 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 1.229 ug/l
 RT: 13.17 min Scan# 3545
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion:105 Resp: 14747
 Ion Ratio Lower Upper
 105 100
 134 20.4 10.0 30.0

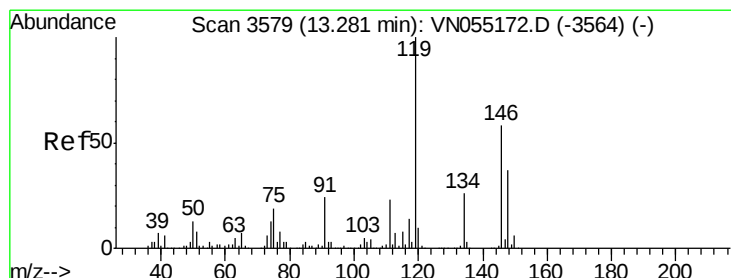
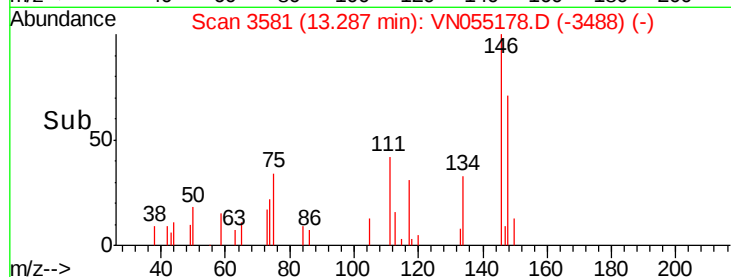
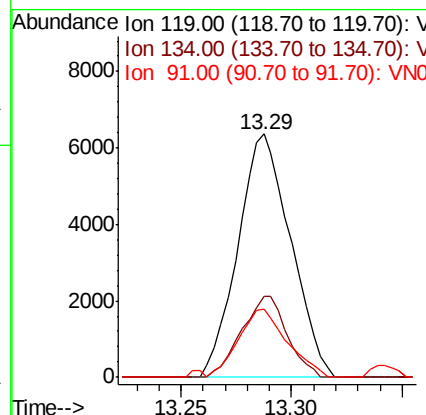
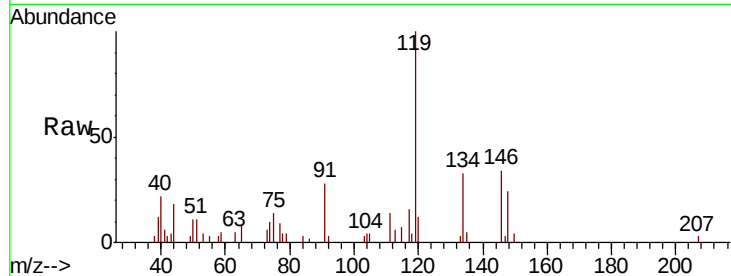




#86
 p-Isopropyltoluene
 Concen: 1.069 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

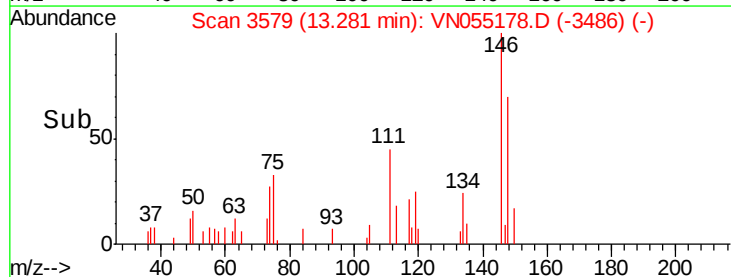
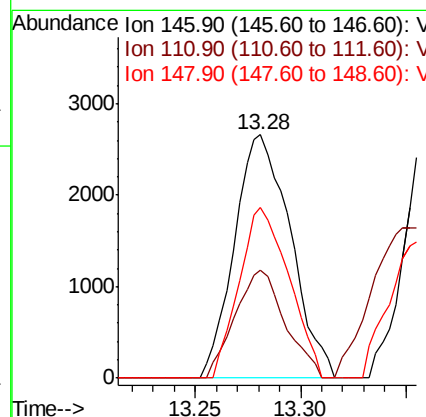
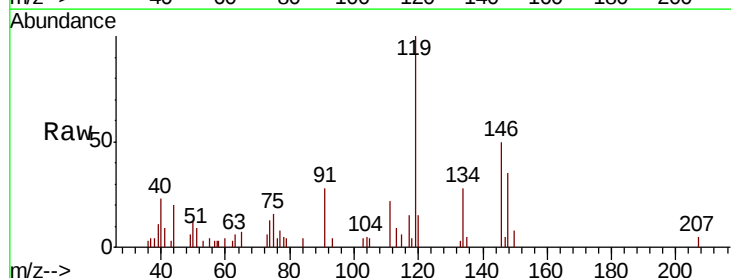
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

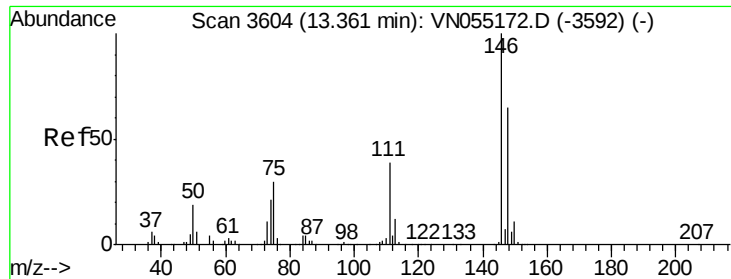
Tot Ion	Ratio	Lower	Upper
119	100		
134	28.7	13.1	39.3
91	26.0	11.8	35.3



#87
 1,3-Dichlorobenzene
 Concen: 1.021 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	19.7	59.1
148	62.4	32.0	96.0

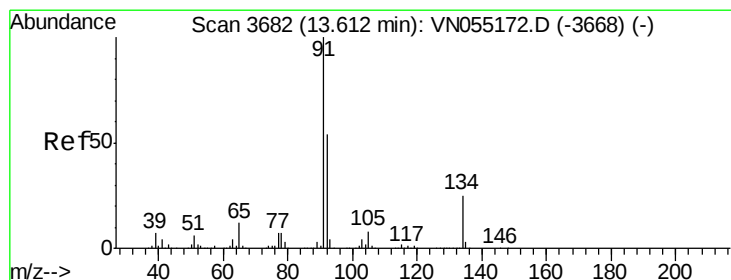
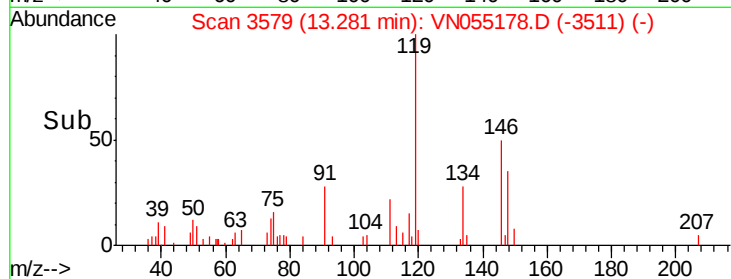
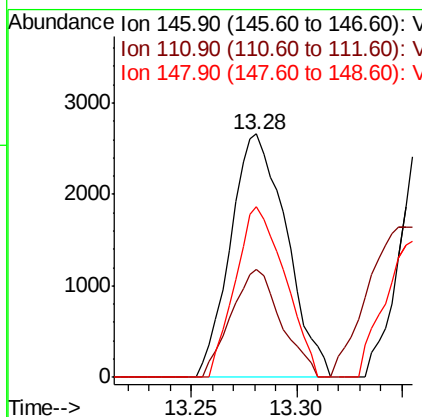
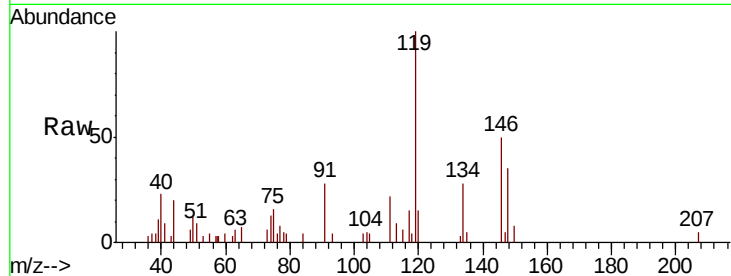




#88
 1,4-Dichlorobenzene
 Concen: 1.048 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. -0.08 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

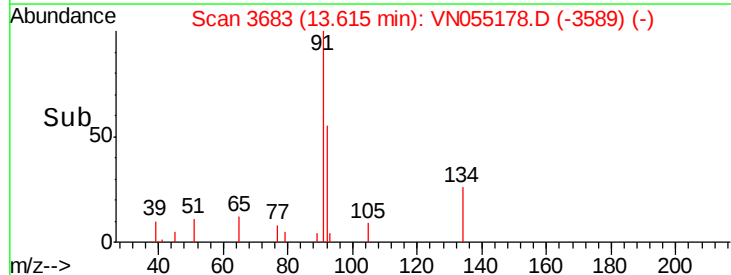
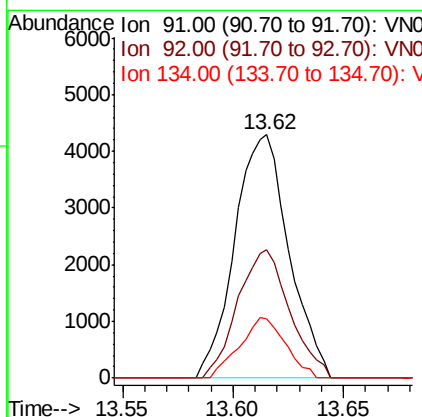
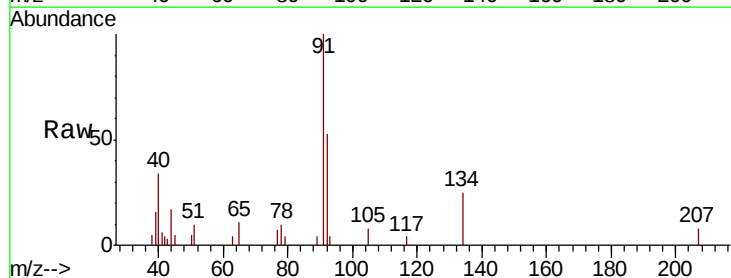
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

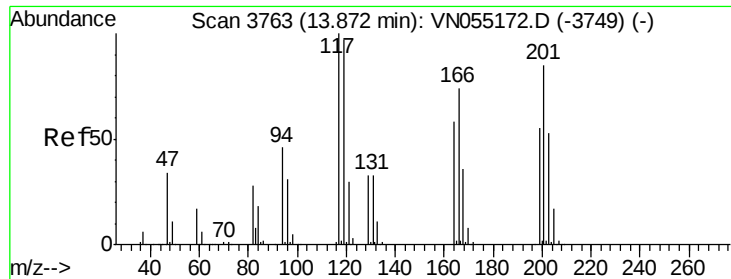
Tot Ion:146 Resp: 4900
 Ion Ratio Lower Upper
 146 100
 111 39.6 19.4 58.2
 148 62.4 32.9 98.6



#89
 n-Butylbenzene
 Concen: 1.000 ug/l
 RT: 13.62 min Scan# 3683
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Tgt Ion: 91 Resp: 7327
 Ion Ratio Lower Upper
 91 100
 92 50.5 26.4 79.2
 134 21.1 12.8 38.4





#90

Hexachloroethane

Concen: 1.234 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

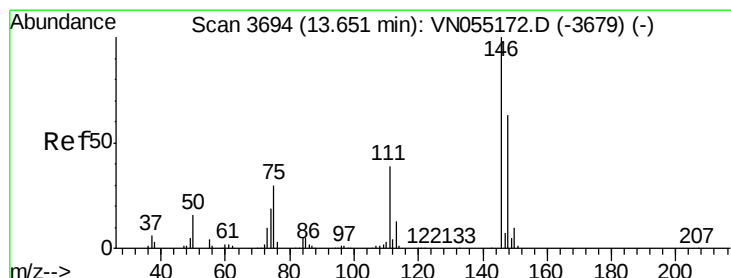
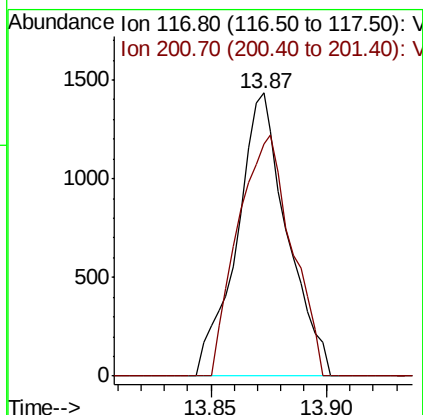
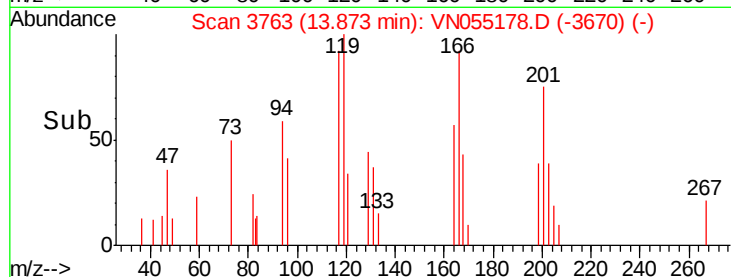
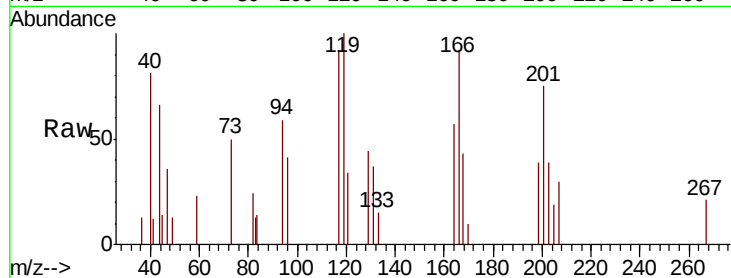
VSTDIC001

Tot Ion:117 Resp: 2163

Ion Ratio Lower Upper

117 100

201 91.3 43.1 129.4



#91

1,2-Dichlorobenzene

Concen: 1.117 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

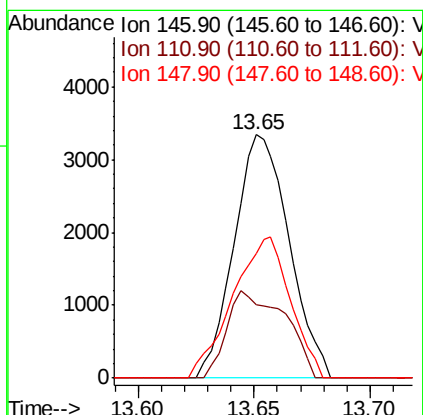
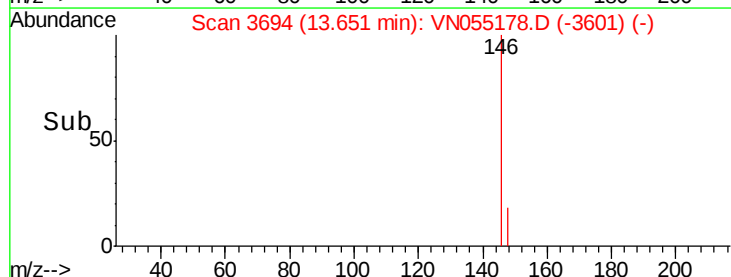
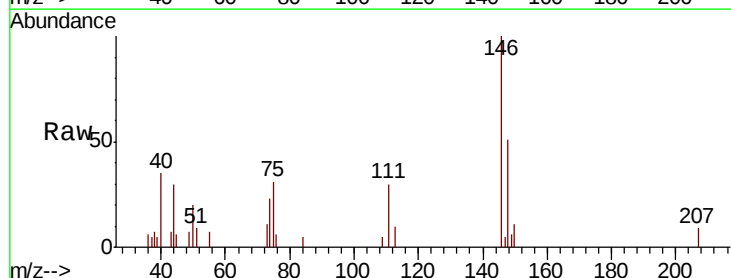
Tgt Ion:146 Resp: 5506

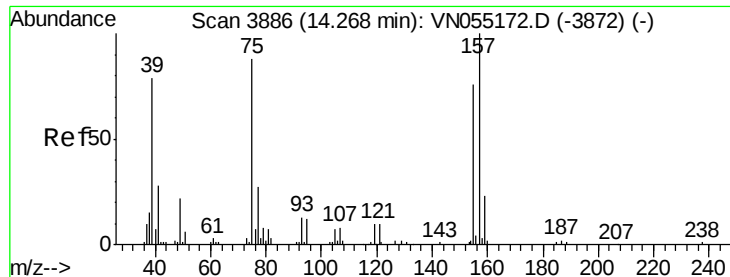
Ion Ratio Lower Upper

146 100

111 37.8 19.8 59.3

148 60.7 31.7 95.1





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.174 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

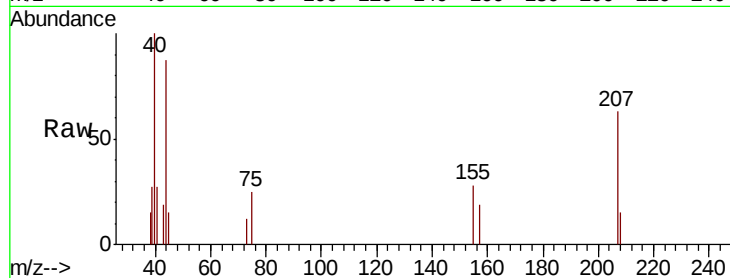
Tot Ion: 75 Resp: 505

Ion Ratio Lower Upper

75 100

155 103.0 43.0 129.0

157 68.9 55.7 167.1



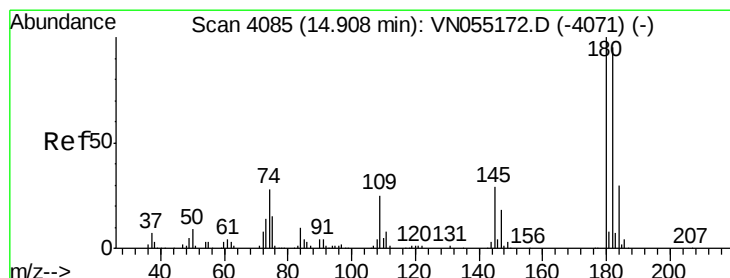
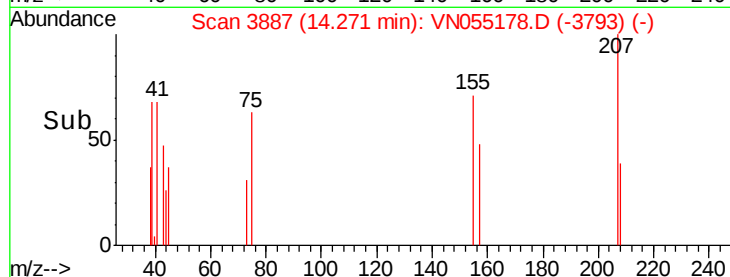
Abundance Ion 74.90 (74.60 to 75.60): VN055178.D (-3872) (-)

Ion 154.80 (154.50 to 155.50): VN055178.D (-3872) (-)

Ion 156.80 (156.50 to 157.50): VN055178.D (-3872) (-)

14.27

Time-->



#93

1,2,4-Trichlorobenzene

Concen: 1.028 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

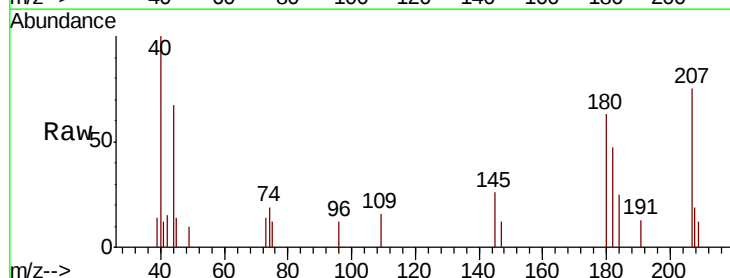
Tgt Ion: 180 Resp: 1790

Ion Ratio Lower Upper

180 100

182 79.9 47.8 143.4

145 18.2 14.5 43.5



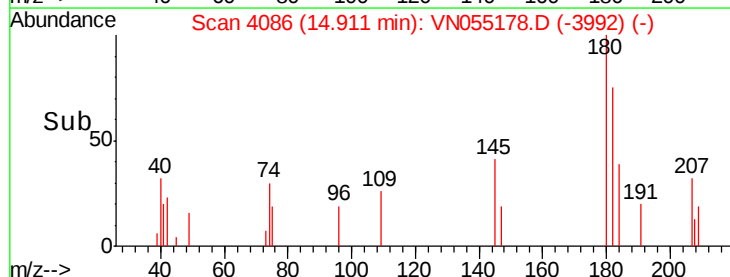
Abundance Ion 179.80 (179.50 to 180.50): VN055178.D (-4071) (-)

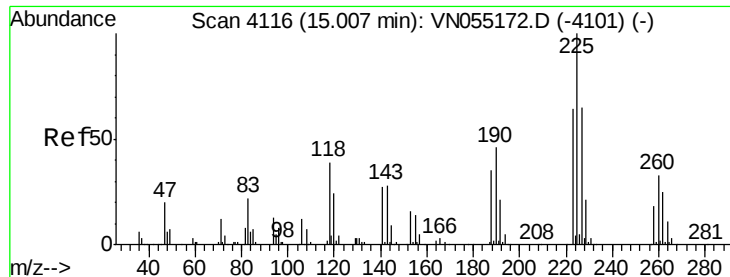
Ion 181.80 (181.50 to 182.50): VN055178.D (-4071) (-)

Ion 144.80 (144.50 to 145.50): VN055178.D (-4071) (-)

14.91

Time-->





#94

Hexachlorobutadiene

Concen: 1.438 ug/l

RT: 15.01 min Scan# 4116

Delta R.T. 0.00 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

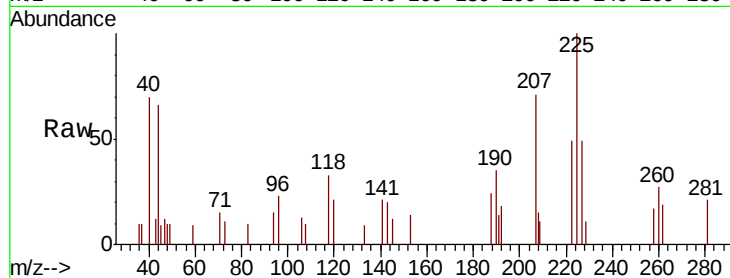
Tot Ion:225 Resp: 2538

Ion Ratio Lower Upper

225 100

223 64.2 32.2 96.6

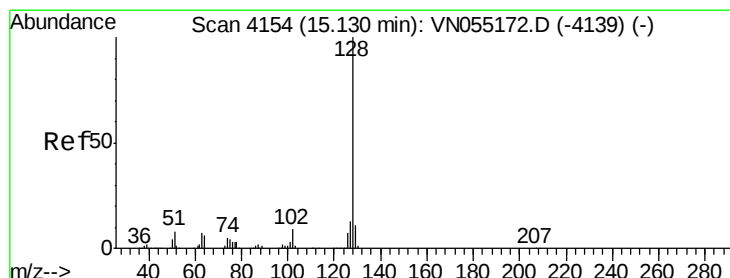
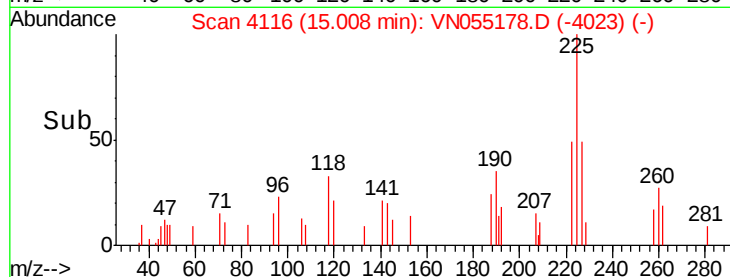
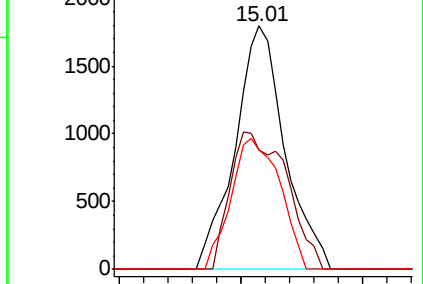
227 53.0 32.6 98.0



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 1.028 ug/l

RT: 15.14 min Scan# 4157

Delta R.T. 0.01 min

Lab File: VN055178.D

Acq: 22 Apr 2019 13:13

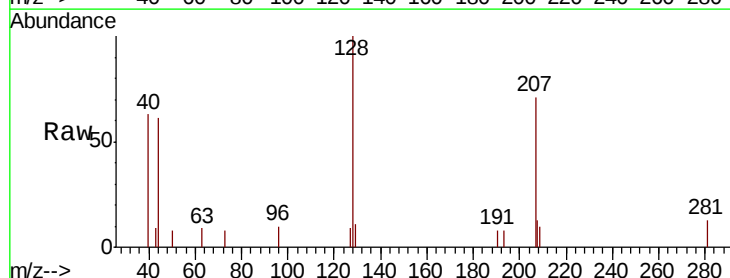
Tgt Ion:128 Resp: 3778

Ion Ratio Lower Upper

128 100

127 11.2 10.3 15.5

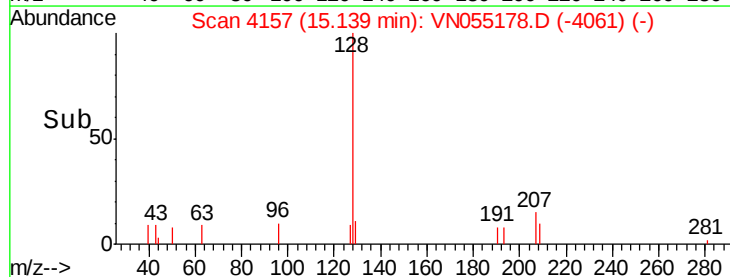
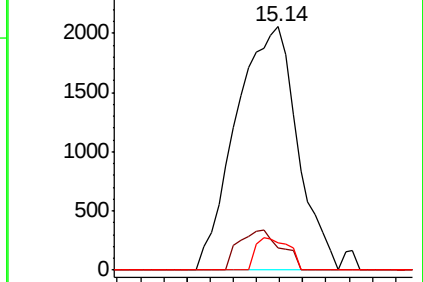
129 7.1 8.8 13.2#

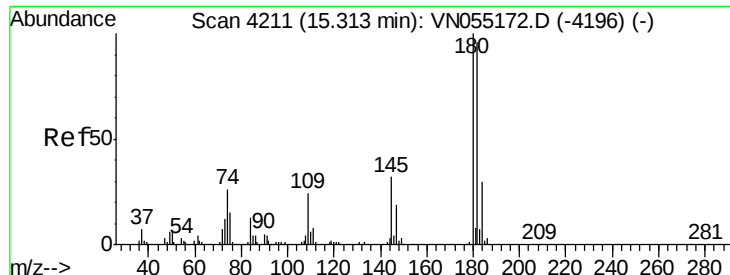


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

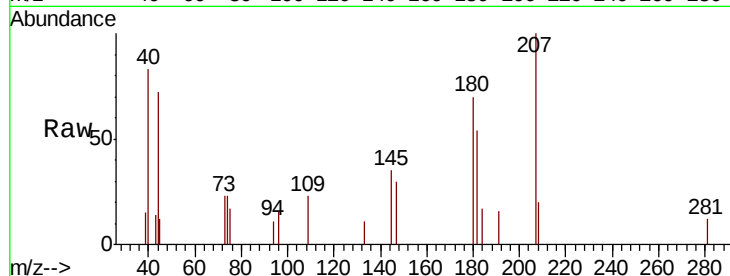




#96
 1,2,3-Trichlorobenzene
 Concen: 1.078 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN055178.D
 Acq: 22 Apr 2019 13:13

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	77.4	47.2	141.6
145	22.6	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

