

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
 Data File : VN055175.D
 Acq On : 22 Apr 2019 11:54
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 23 05:03:34 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042219W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 23 04:56:29 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	408543	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	682932	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	571538	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	156782	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	8049	1.34	ug/l	0.00
Spiked Amount			Recovery	=	2.68%	
35) Dibromofluoromethane	7.60	113	5327	1.09	ug/l	0.00
Spiked Amount			Recovery	=	2.18%	
50) Toluene-d8	10.09	98	20930	1.18	ug/l	0.00
Spiked Amount			Recovery	=	2.36%	
62) 4-Bromofluorobenzene	12.40	95	7376	1.32	ug/l	0.00
Spiked Amount			Recovery	=	2.64%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	5090	0.968	ug/l	97
3) Chloromethane	2.06	50	6969	1.081	ug/l	97
4) Vinyl Chloride	2.19	62	5973	1.156	ug/l	91
5) Bromomethane	2.56	94	3903	1.303	ug/l	90
6) Chloroethane	2.70	64	3113	1.115	ug/l	95
7) Trichlorofluoromethane	3.02	101	7791	1.108	ug/l	86
8) Diethyl Ether	3.42	74	2610	1.040	ug/l	64
9) 1,1,2-Trichlorotrifluoroet	3.75	101	4930	1.124	ug/l #	83
10) Methyl Iodide	3.95	142	5151	0.874	ug/l #	79
11) Tert butyl alcohol	4.78	59	873	2.752	ug/l #	89
12) 1,1-Dichloroethene	3.74	96	4649	1.106	ug/l	90
13) Acrolein	3.60	56	523	1.211	ug/l #	61
14) Allyl chloride	4.33	41	8182	0.985	ug/l	92
15) Acrylonitrile	5.00	53	6522	3.684	ug/l #	56
16) Acetone	3.82	43	4510	2.467	ug/l	93
17) Carbon Disulfide	4.05	76	8386	0.714	ug/l	96
18) Methyl Acetate	4.34	43	8500	1.685	ug/l #	80
19) Methyl tert-butyl Ether	5.05	73	9066	0.780	ug/l	97
20) Methylene Chloride	4.55	84	6588	1.254	ug/l	89
21) trans-1,2-Dichloroethene	5.05	96	5617	1.274	ug/l #	68
22) Diisopropyl ether	5.95	45	17986	1.086	ug/l #	76
23) Vinyl Acetate	5.90	43	54227	4.872	ug/l #	94
24) 1,1-Dichloroethane	5.85	63	9540	1.071	ug/l #	94
25) 2-Butanone	6.85	43	11423	4.840	ug/l #	89
26) 2,2-Dichloropropane	6.82	77	3448	0.572	ug/l	77
27) cis-1,2-Dichloroethene	6.83	96	5038	0.992	ug/l	82
28) Bromochloromethane	7.19	49	4753	1.047	ug/l #	98
29) Tetrahydrofuran	7.22	42	8818	5.945	ug/l	96
30) Chloroform	7.37	83	8604	1.015	ug/l	96
31) Cyclohexane	7.66	56	17112	1.673	ug/l #	17
32) 1,1,1-Trichloroethane	7.58	97	7295	1.072	ug/l #	51
36) 1,1-Dichloropropene	7.80	75	6335	0.999	ug/l	98
38) Carbon Tetrachloride	7.77	117	7315	1.155	ug/l #	81
39) Methylcyclohexane	9.08	83	7983	1.056	ug/l	92

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
40) Benzene	8.04	78	19342	0.989	ug/l	95
41) Methacrylonitrile	7.19	41	3728	1.428	ug/l #	28
42) 1,2-Dichloroethane	8.12	62	7175	1.051	ug/l	87
43) Isopropyl Acetate	8.17	43	6909	0.834	ug/l	94
44) Trichloroethene	8.84	130	5465	1.105	ug/l	87
45) 1,2-Dichloropropane	9.12	63	5580	1.010	ug/l	95
46) Dibromomethane	9.21	93	3003	0.950	ug/l	94
47) Bromodichloromethane	9.40	83	6505	1.028	ug/l #	92
48) Methyl methacrylate	9.20	41	4655	1.158	ug/l	93
49) 1,4-Dioxane	9.20	88	610	13.146	ug/l #	40
51) 4-Methyl-2-Pentanone	9.99	43	24940	5.232	ug/l	94
52) Toluene	10.16	92	10959	0.955	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	5396	0.929	ug/l #	88
54) cis-1,3-Dichloropropene	9.84	75	6882	0.955	ug/l	93
55) 1,1,2-Trichloroethane	10.56	97	4758	1.125	ug/l	95
56) Ethyl methacrylate	10.43	69	4915	0.933	ug/l #	80
57) 1,3-Dichloropropane	10.71	76	7479	1.016	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.70	63	7847	4.620	ug/l	99
59) 2-Hexanone	10.75	43	15203	5.049	ug/l	100
60) Dibromochloromethane	10.90	129	4240	0.973	ug/l	93
61) 1,2-Dibromoethane	11.01	107	4189	1.054	ug/l	94
64) Tetrachloroethene	10.63	164	5237	1.123	ug/l	96
65) Chlorobenzene	11.43	112	12082	1.036	ug/l	92
66) 1,1,1,2-Tetrachloroethane	11.51	131	4422	1.023	ug/l #	65
67) Ethyl Benzene	11.51	91	21245	1.022	ug/l	95
68) m/p-Xylenes	11.62	106	15448	2.073	ug/l	94
69) o-Xylene	11.94	106	7272	0.983	ug/l	97
70) Stvrene	11.97	104	10981	0.958	ug/l	96
71) Bromoform	12.12	173	2357	0.914	ug/l #	95
73) Isopropylbenzene	12.25	105	19614	1.303	ug/l	99
74) N-amyl acetate	12.07	43	6136	1.518	ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.50	83	5585	1.402	ug/l	96
76) 1,2,3-Trichloropropane	12.55	75	5645	1.921	ug/l #	100
77) Bromobenzene	12.53	156	4382	1.266	ug/l	95
78) n-propylbenzene	12.59	91	19462	1.238	ug/l	99
79) 2-Chlorotoluene	12.67	91	12188	1.228	ug/l	96
80) 1,3,5-Trimethylbenzene	12.73	105	15239	1.298	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	944	1.125	ug/l #	49
82) 4-Chlorotoluene	12.77	91	11270	1.234	ug/l	100
83) tert-Butylbenzene	12.99	119	12872	1.226	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	13036	1.177	ug/l	90
85) sec-Butylbenzene	13.17	105	16234	1.223	ug/l	95
86) p-Isopropyltoluene	13.29	119	13471	1.231	ug/l	97
87) 1,3-Dichlorobenzene	13.28	146	6672	1.256	ug/l	97
88) 1,4-Dichlorobenzene	13.36	146	6317	1.221	ug/l	91
89) n-Butylbenzene	13.61	91	9917	1.223	ug/l	93
90) Hexachloroethane	13.87	117	2702	1.393	ug/l	87
91) 1,2-Dichlorobenzene	13.65	146	6756	1.238	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	628	1.319	ug/l	84
93) 1,2,4-Trichlorobenzene	14.91	180	2912	1.511	ug/l	91

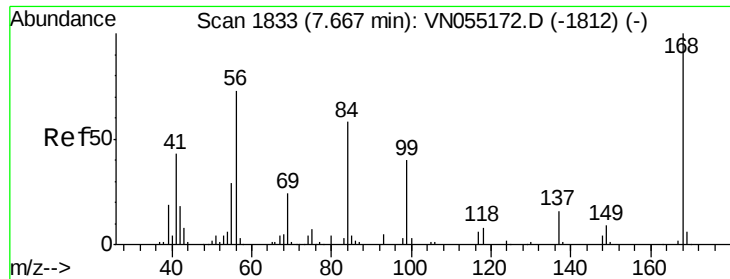
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN042219\
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
94) Hexachlorobutadiene	15.00	225	3212	1.645	ug/l	98
95) Naphthalene	15.13	128	7022	1.725	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	3390	1.691	ug/l	95

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

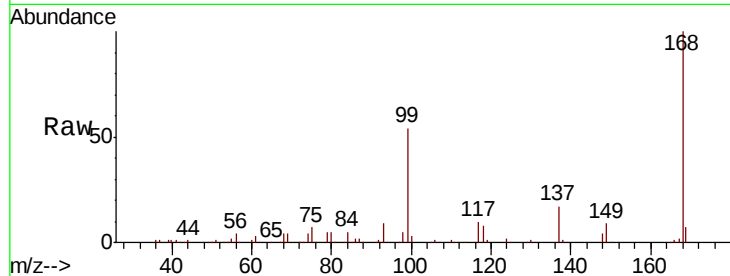
VSTDIC001

Tot Ion:168 Resp: 408543

Ion Ratio Lower Upper

168 100

99 54.0 42.0 63.0



Abundance Ion 167.90 (167.60 to 168.60): VN055175.D (-1740) (-)

Ion 98.90 (98.60 to 99.60): VN055175.D (-1740) (-)

7.66

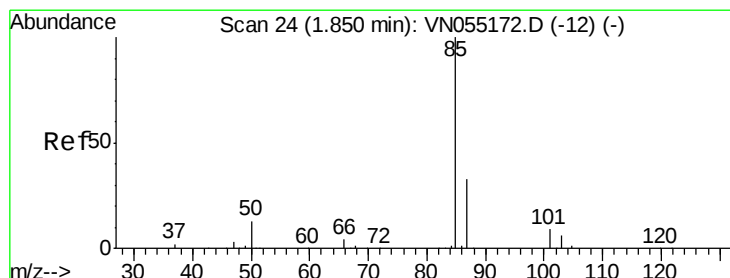
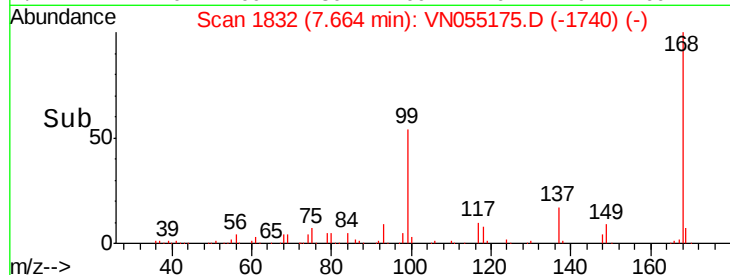
150000

100000

50000

0

Time--> 7.55 7.60 7.65 7.70 7.75



#2

Dichlorodifluoromethane

Concen: 0.968 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055175.D

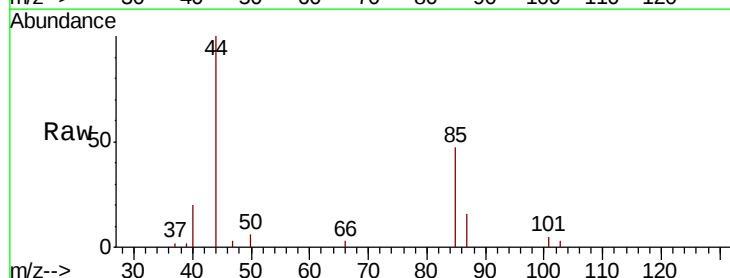
Acq: 22 Apr 2019 11:54

Tgt Ion: 85 Resp: 5090

Ion Ratio Lower Upper

85 100

87 34.1 16.4 49.1



Abundance Ion 84.90 (84.60 to 85.60): VN055175.D (-1) (-)

Ion 86.90 (86.60 to 87.60): VN055175.D (-1) (-)

1.85

4000

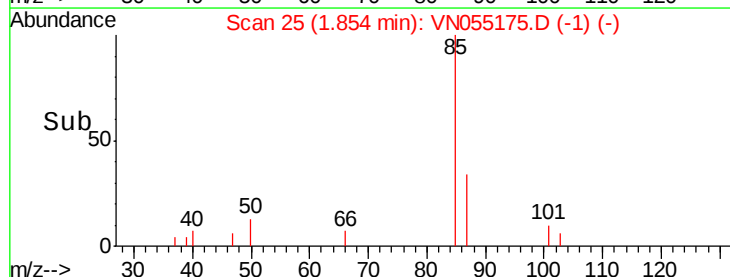
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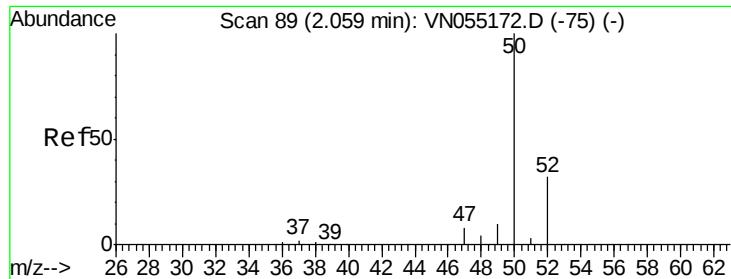
2000

1000

0

Time--> 1.80 1.85 1.90





#3

Chloromethane

Concen: 1.081 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

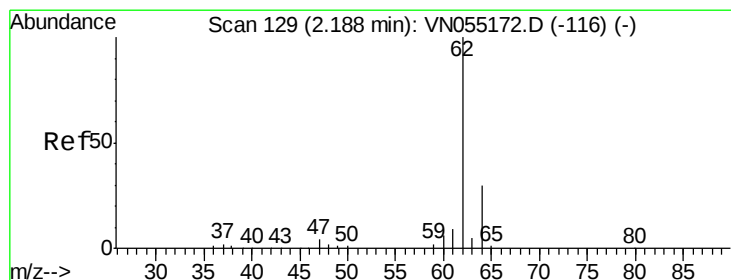
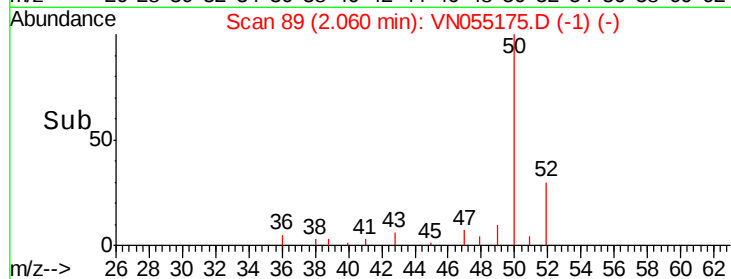
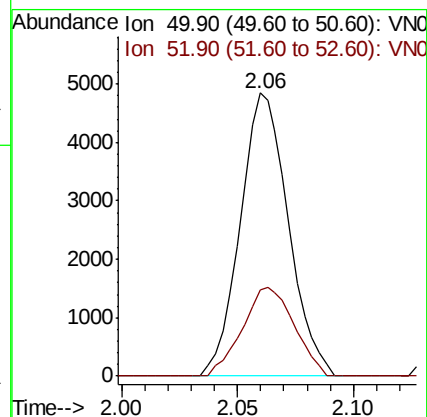
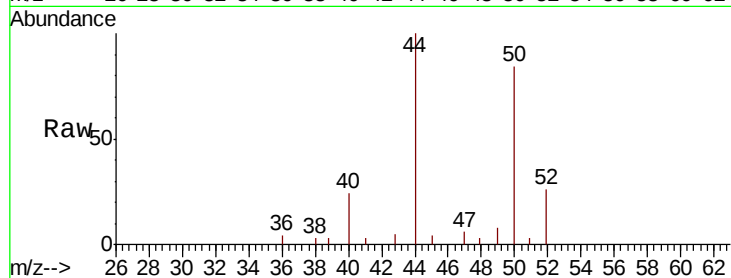
VSTDIC001

Tot Ion: 50 Resp: 6969

Ion Ratio Lower Upper

50 100

52 30.4 25.8 38.6



#4

Vinyl Chloride

Concen: 1.156 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055175.D

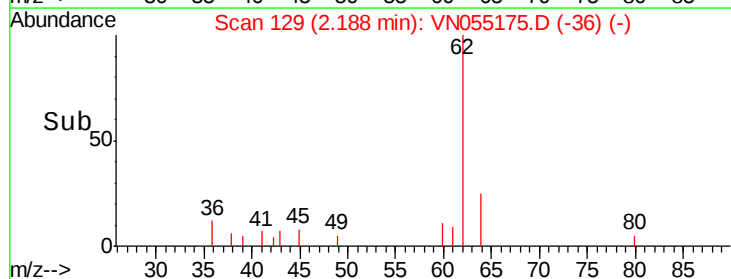
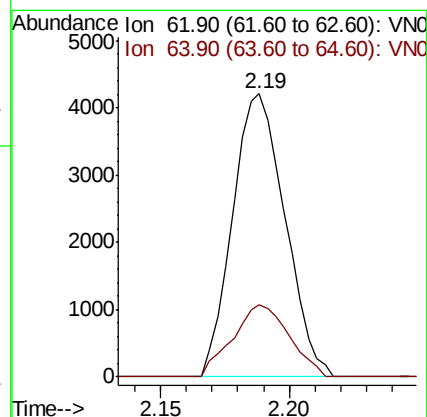
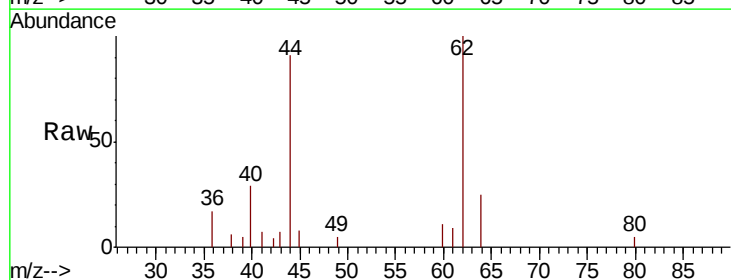
Acq: 22 Apr 2019 11:54

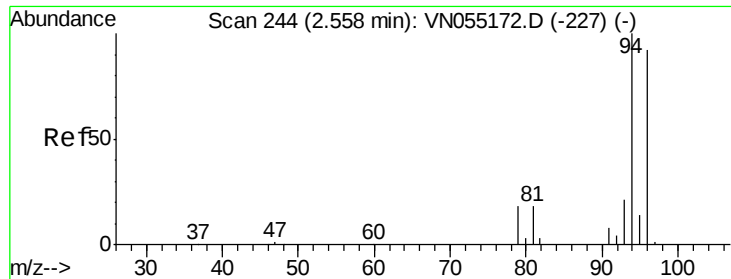
Tgt Ion: 62 Resp: 5973

Ion Ratio Lower Upper

62 100

64 25.5 24.2 36.4





#5

Bromomethane

Concen: 1.303 ug/l

RT: 2.56 min Scan# 245

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

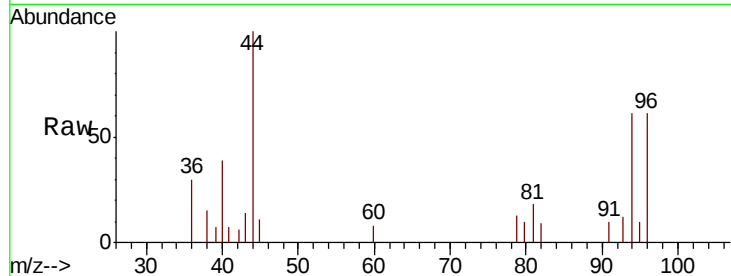
VSTDIC001

Tot Ion: 94 Resp: 3903

Ion Ratio Lower Upper

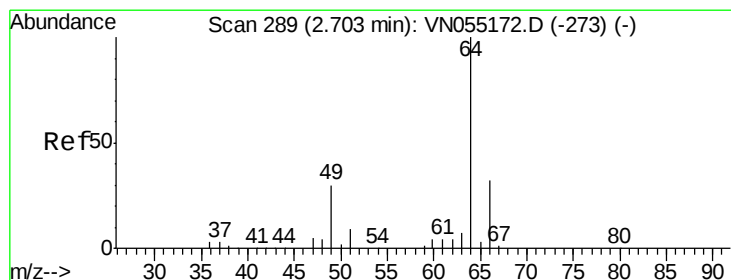
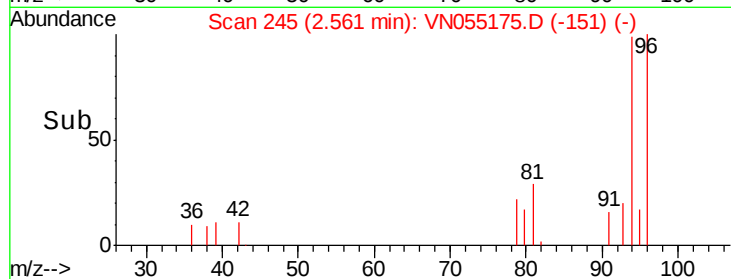
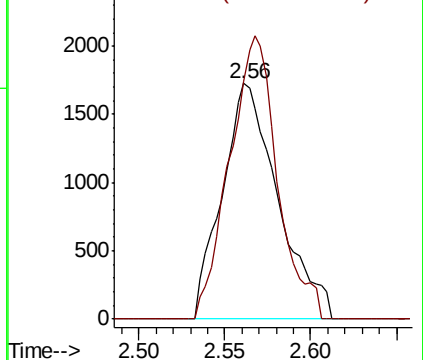
94 100

96 100.9 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: 1.115 ug/l

RT: 2.70 min Scan# 289

Delta R.T. 0.00 min

Lab File: VN055175.D

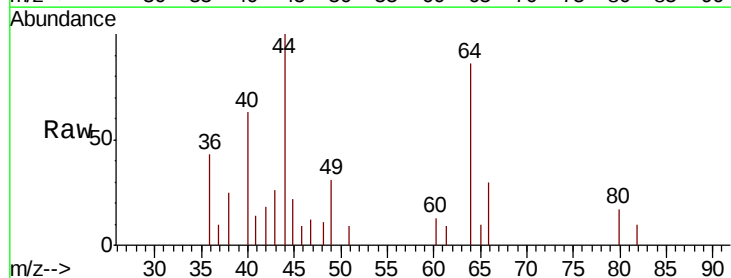
Acq: 22 Apr 2019 11:54

Tgt Ion: 64 Resp: 3113

Ion Ratio Lower Upper

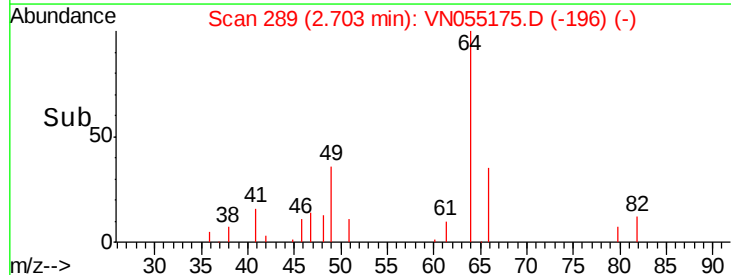
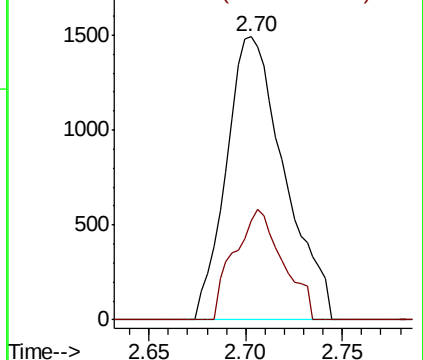
64 100

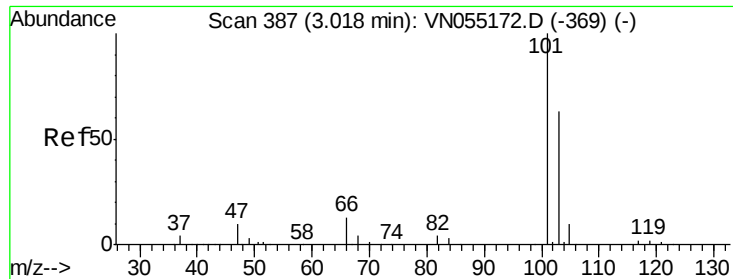
66 35.1 25.9 38.9



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



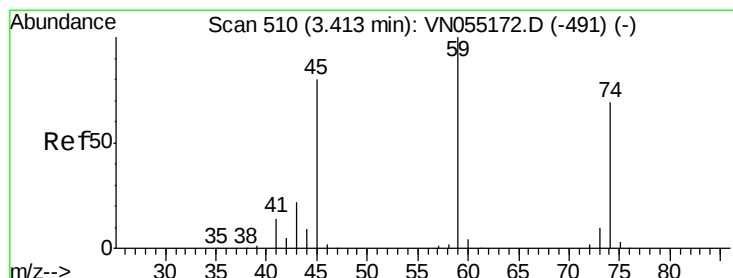
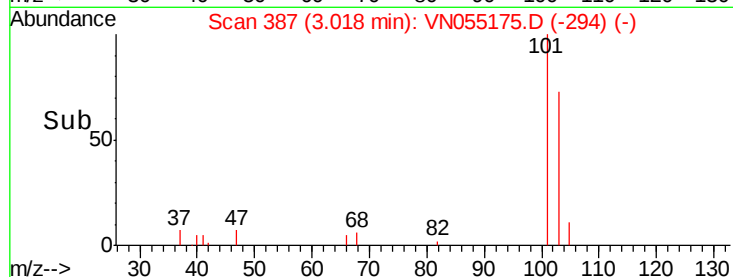
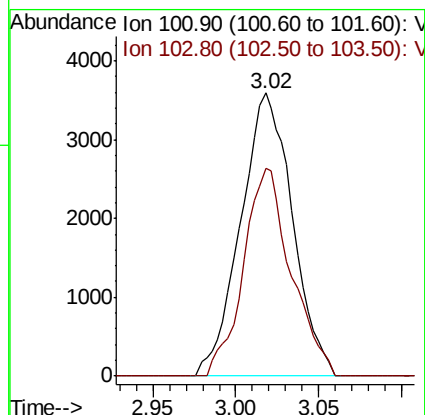
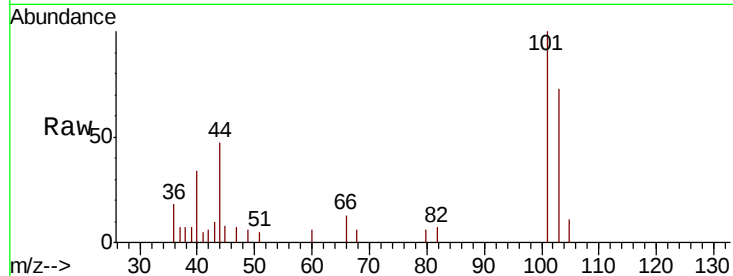


#7

Trichlorofluoromethane
 Concen: 1.108 ug/l
 RT: 3.02 min Scan# 387
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
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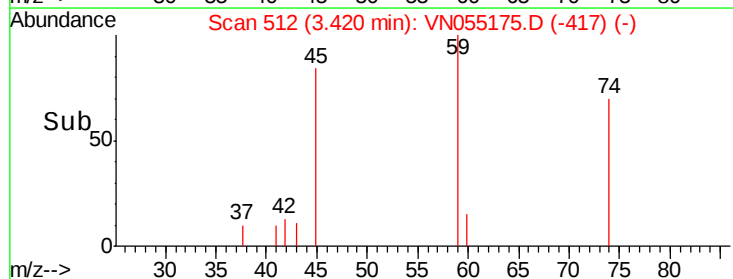
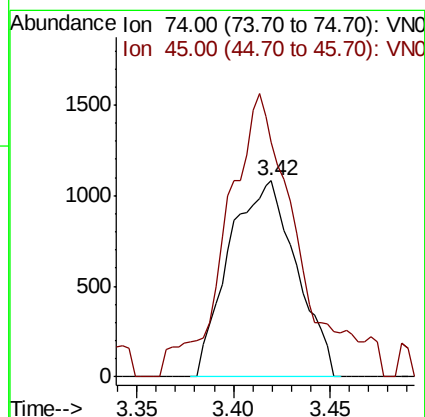
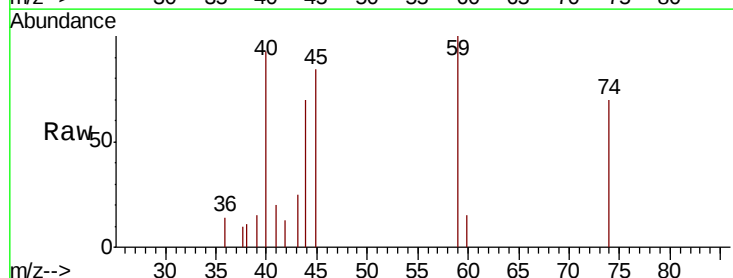
Tot Ion:101 Resp: 7791
 Ion Ratio Lower Upper
 101 100
 103 73.2 50.1 75.1

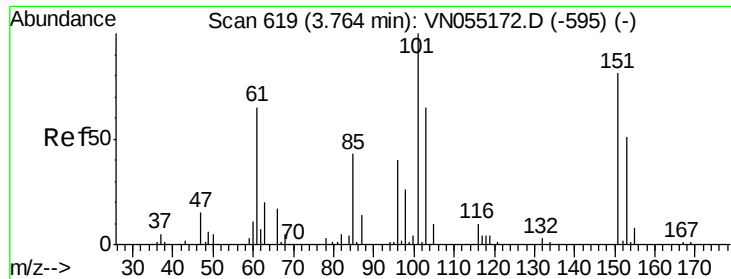


#8

Diethyl Ether
 Concen: 1.040 ug/l
 RT: 3.42 min Scan# 512
 Delta R.T. 0.01 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 74 Resp: 2610
 Ion Ratio Lower Upper
 74 100
 45 152.9 56.9 170.6





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.124 ug/l

RT: 3.75 min Scan# 616

Delta R.T. -0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

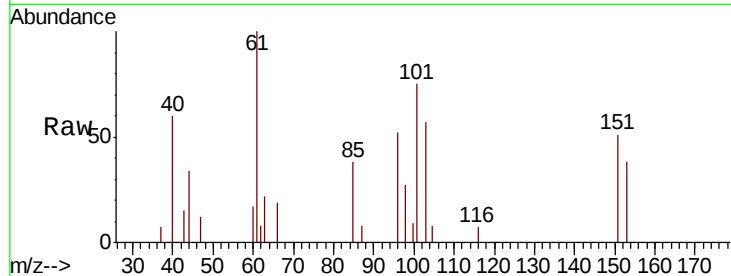
Tot Ion:101 Resp: 4930

Ion Ratio Lower Upper

101 100

85 52.4 34.9 52.3#

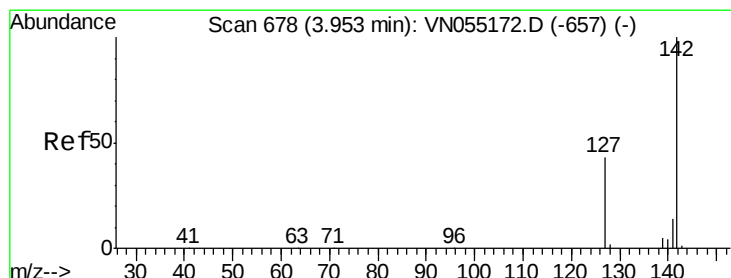
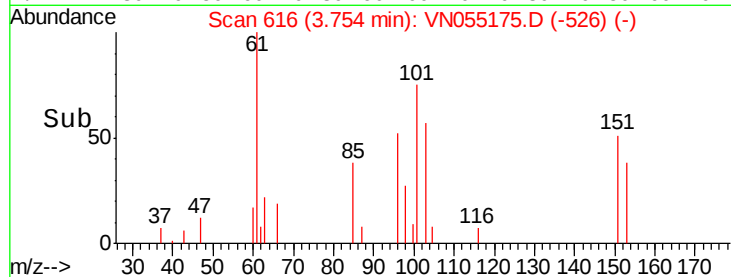
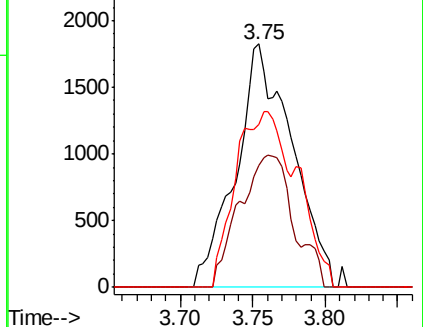
151 63.2 63.8 95.8#



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: 0.874 ug/l

RT: 3.95 min Scan# 677

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

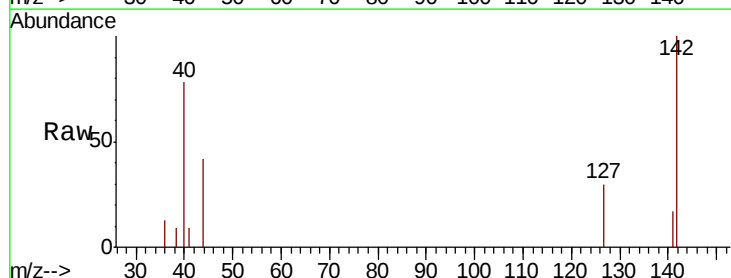
Tgt Ion:142 Resp: 5151

Ion Ratio Lower Upper

142 100

127 24.8 34.1 51.1#

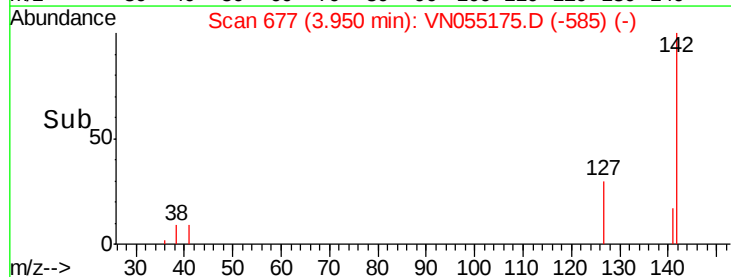
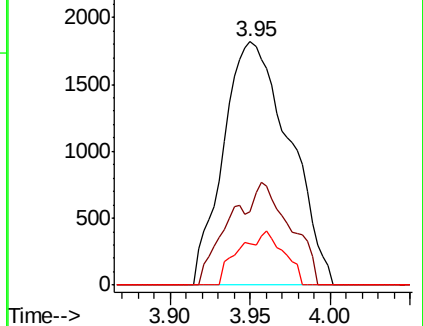
141 15.1 11.4 17.2

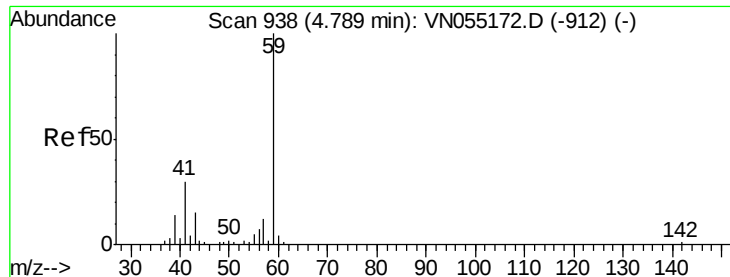


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

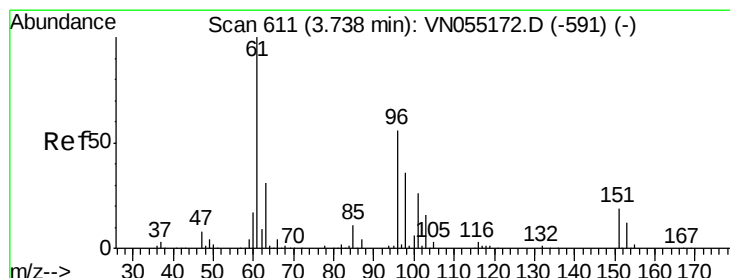
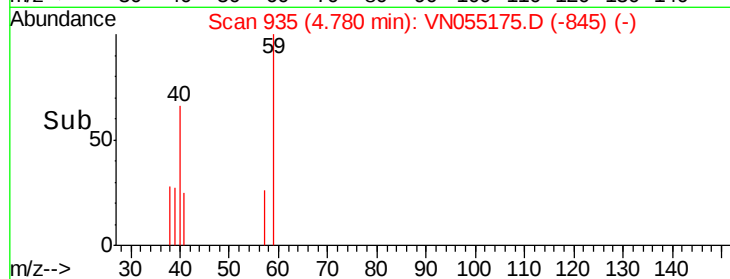
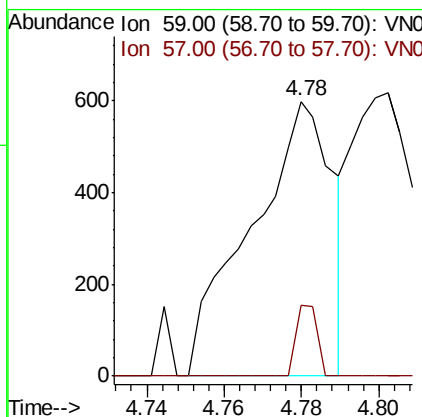
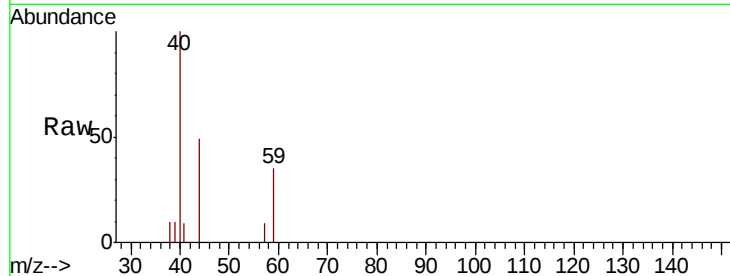




#11
Tert butyl alcohol
Concen: 2.752 ug/l
RT: 4.78 min Scan# 935
Delta R.T. -0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

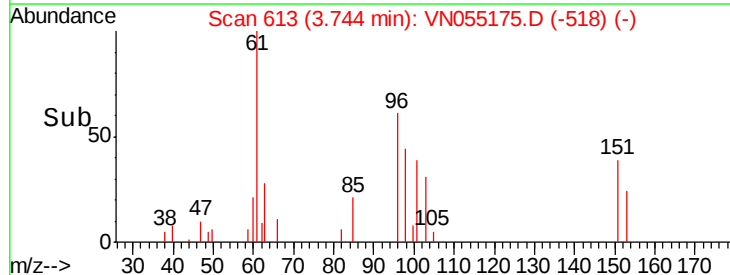
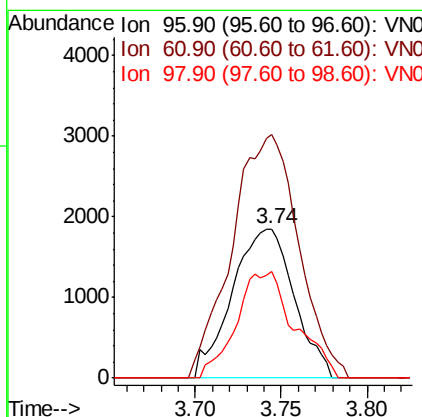
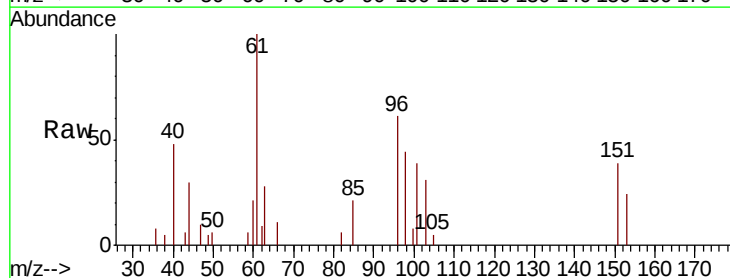
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

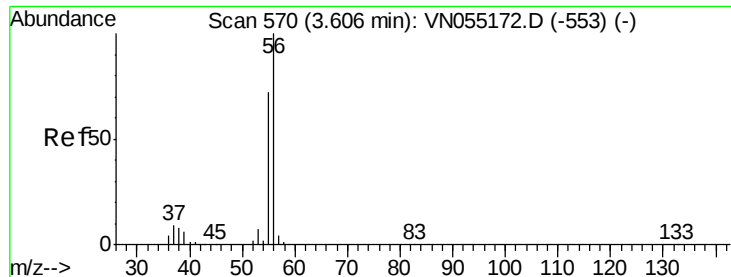
Tot Ion: 59 Resp: 873
Ion Ratio Lower Upper
59 100
57 6.8 8.8 13.2#



#12
1,1-Dichloroethene
Concen: 1.106 ug/l
RT: 3.74 min Scan# 613
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 96 Resp: 4649
Ion Ratio Lower Upper
96 100
61 163.2 142.1 213.1
98 71.3 51.2 76.8





#13

Acrolein

Concen: 1.211 ug/l

RT: 3.60 min Scan# 567

Delta R.T. -0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

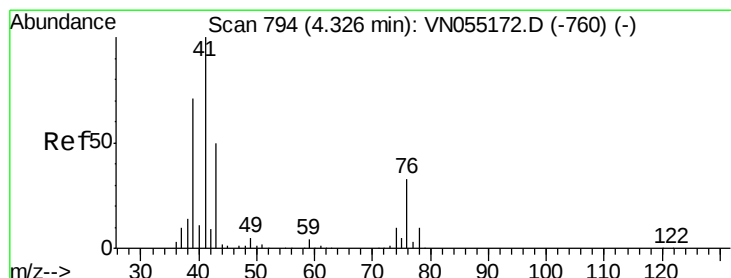
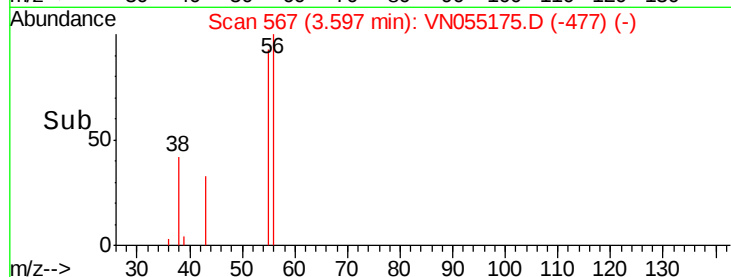
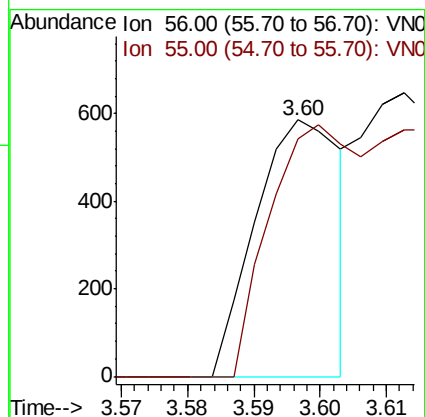
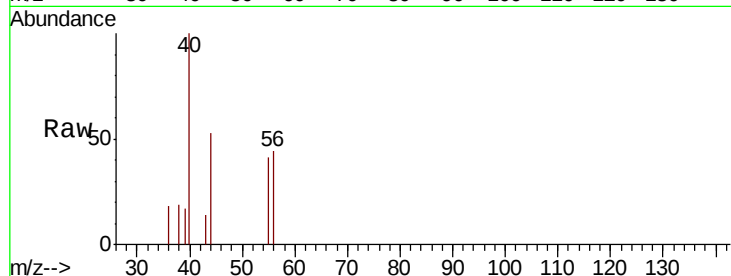
VSTDIC001

Tot Ion: 56 Resp: 523

Ion Ratio Lower Upper

56 100

55 104.0 57.4 86.0#



#14

Allyl chloride

Concen: 0.985 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

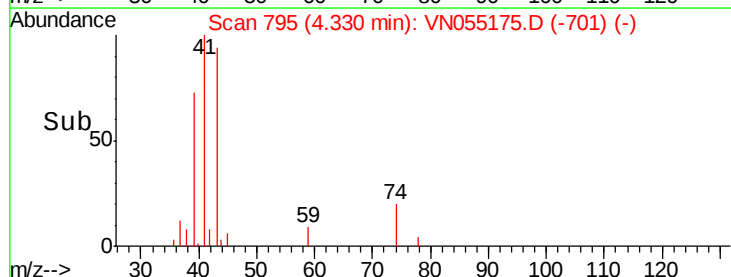
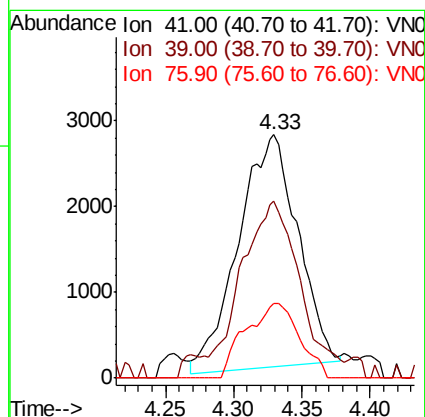
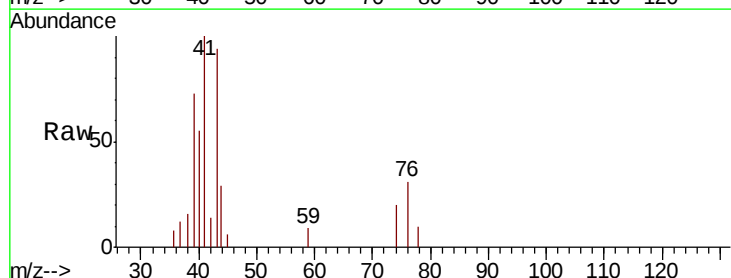
Tgt Ion: 41 Resp: 8182

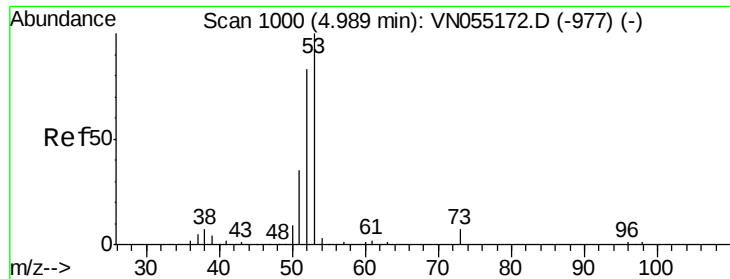
Ion Ratio Lower Upper

41 100

39 75.3 52.9 79.3

76 29.2 23.6 35.4





#15

Acrylonitrile

Concen: 3.684 ug/l

RT: 5.00 min Scan# 1005

Delta R.T. 0.02 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

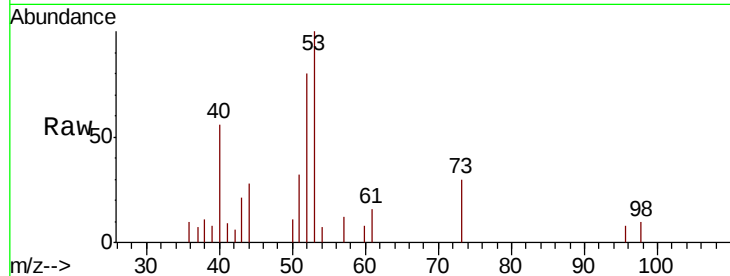
Tot Ion: 53 Resp: 6522

Ion Ratio Lower Upper

53 100

52 114.4 65.8 98.8#

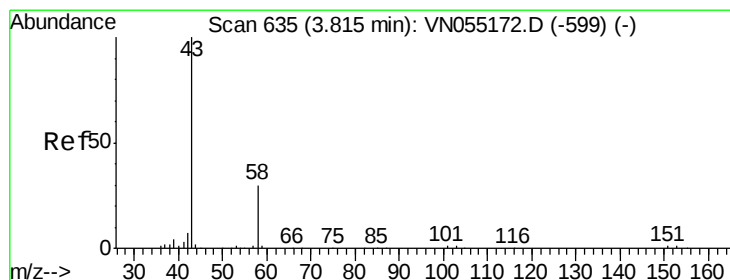
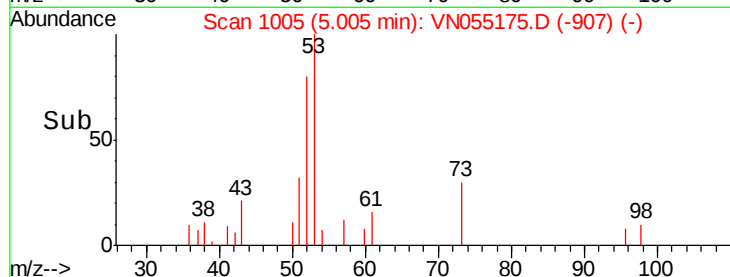
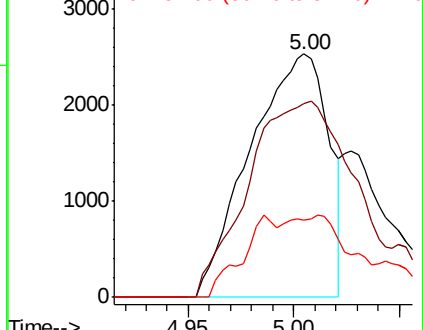
51 0.0 28.9 43.3#



Abundance Ion 53.00 (52.70 to 53.70): VN055175.D (-907) (-)

Ion 52.00 (51.70 to 52.70): VN055175.D (-907) (-)

Ion 51.00 (50.70 to 51.70): VN055175.D (-907) (-)



#16

Acetone

Concen: 2.467 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN055175.D

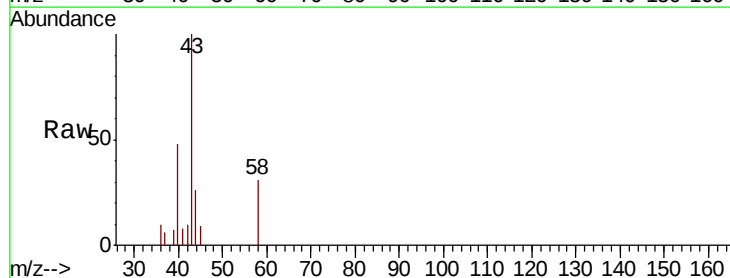
Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 4510

Ion Ratio Lower Upper

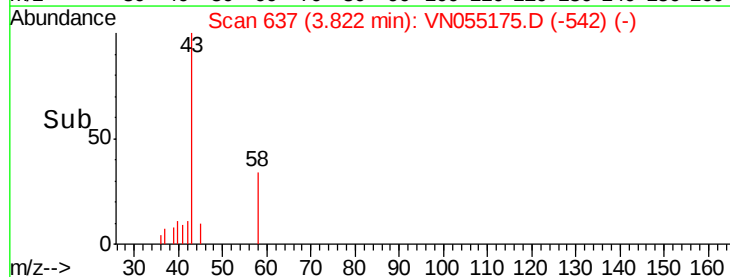
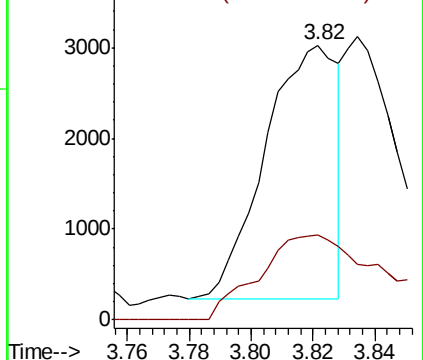
43 100

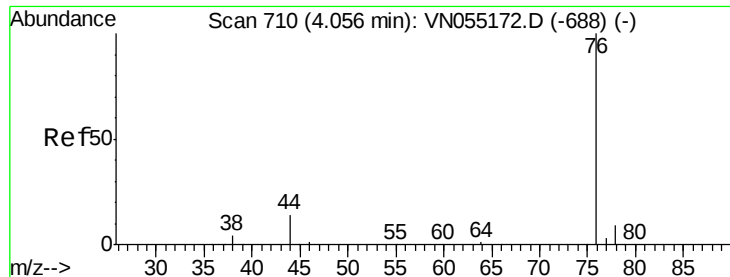
58 33.6 23.8 35.8



Abundance Ion 43.00 (42.70 to 43.70): VN055175.D (-542) (-)

Ion 58.00 (57.70 to 58.70): VN055175.D (-542) (-)





#17

Carbon Disulfide

Concen: 0.714 ug/l

RT: 4.05 min Scan# 707

Delta R.T. -0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

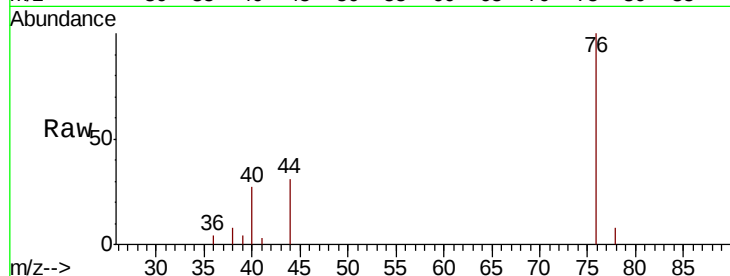
VSTDIC001

Tot Ion: 76 Resp: 8386

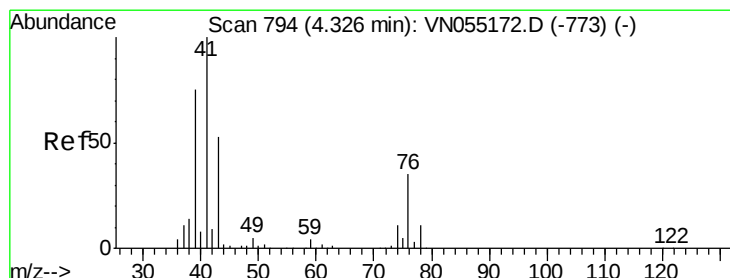
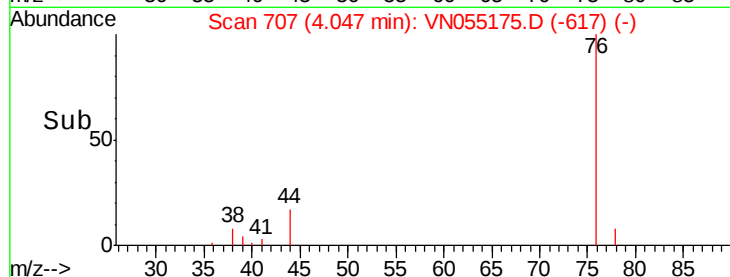
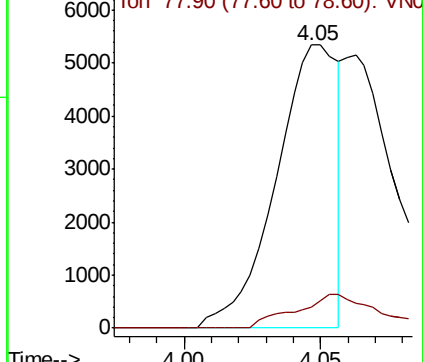
Ion Ratio Lower Upper

76 100

78 7.5 7.3 10.9



Abundance Ion 75.90 (75.60 to 76.60): VN055175.D (-617) (-)



#18

Methyl Acetate

Concen: 1.685 ug/l

RT: 4.34 min Scan# 798

Delta R.T. 0.01 min

Lab File: VN055175.D

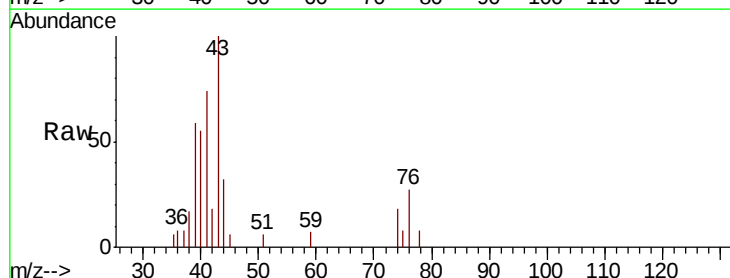
Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 8500

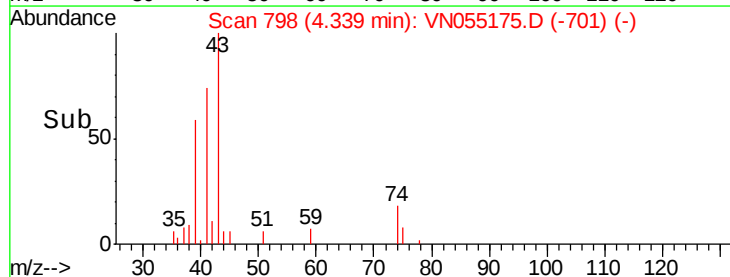
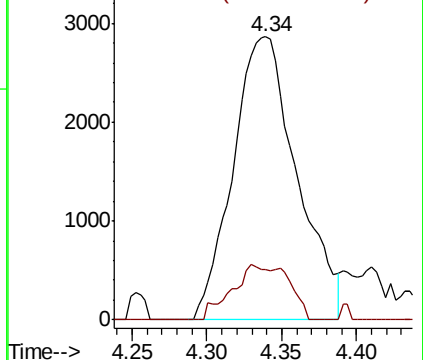
Ion Ratio Lower Upper

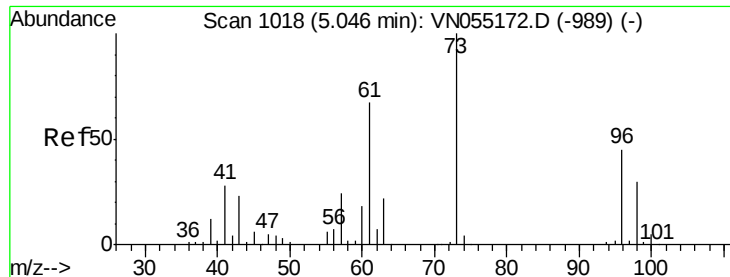
43 100

74 11.5 16.7 25.1#



Abundance Ion 43.00 (42.70 to 43.70): VN055175.D (-701) (-)



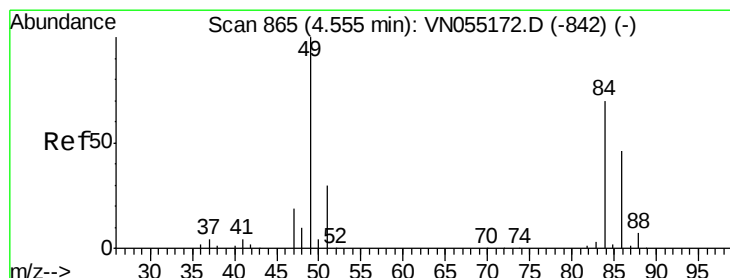
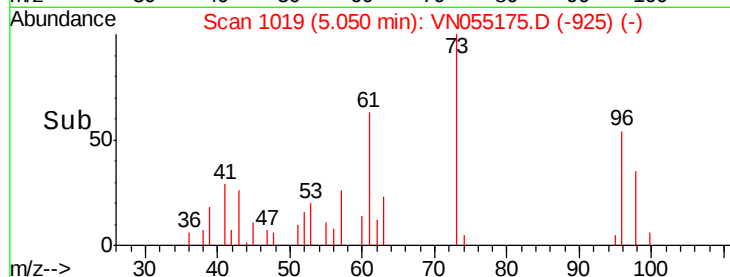
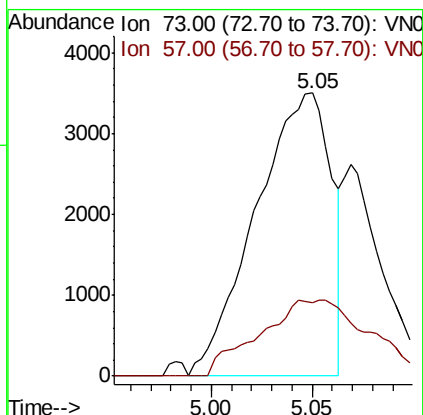
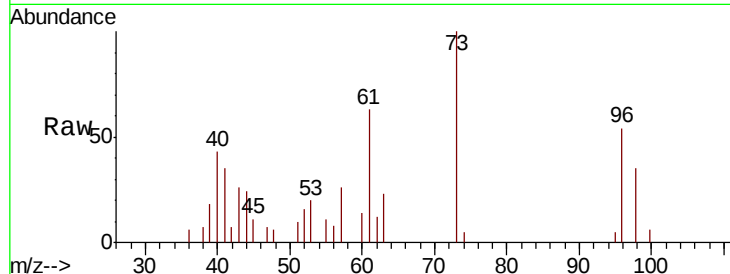


#19

Methyl tert-butyl Ether
 Concen: 0.780 ug/l
 RT: 5.05 min Scan# 1019
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

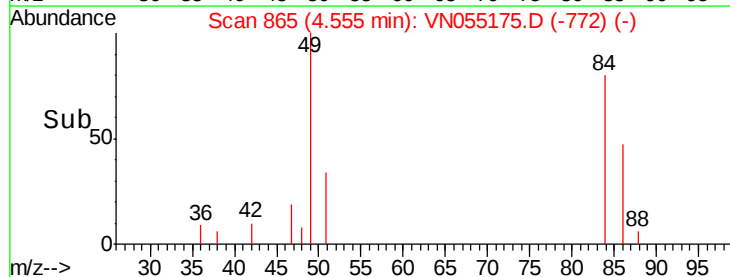
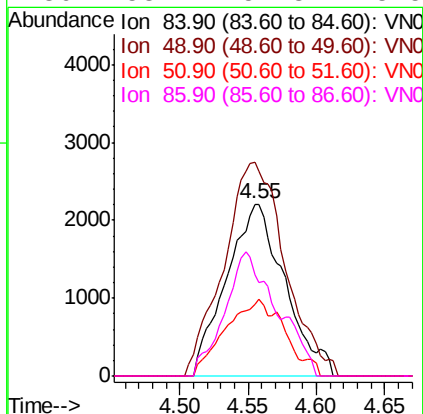
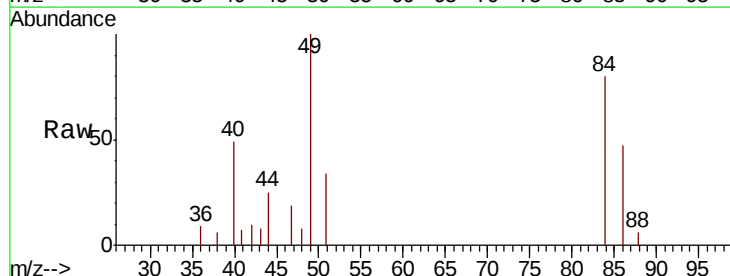
Tot Ion: 73 Resp: 9066
 Ion Ratio Lower Upper
 73 100
 57 25.8 19.5 29.3

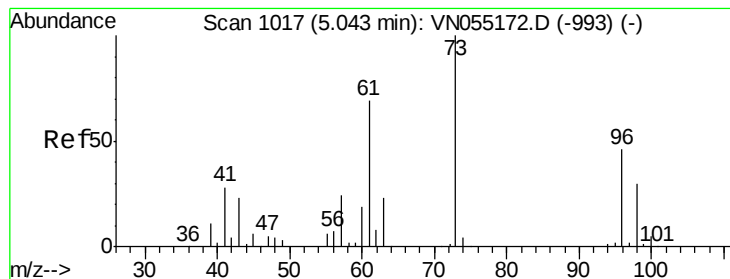


#20

Methylene Chloride
 Concen: 1.254 ug/l
 RT: 4.55 min Scan# 865
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 84 Resp: 6588
 Ion Ratio Lower Upper
 84 100
 49 124.4 113.8 170.6
 51 42.0 34.0 51.0
 86 58.7 52.3 78.5





#21

trans-1,2-Dichloroethene

Concen: 1.274 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

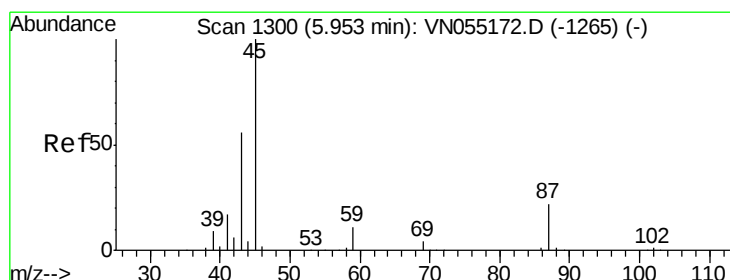
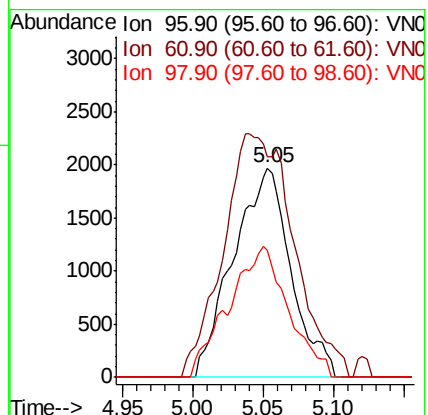
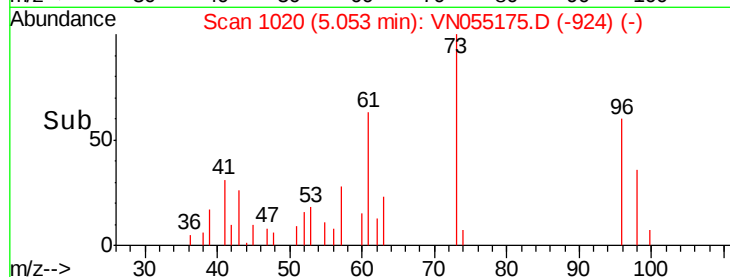
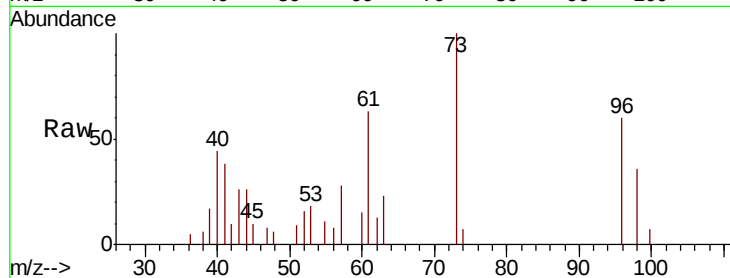
Tot Ion: 96 Resp: 5617

Ion Ratio Lower Upper

96 100

61 94.3 119.3 178.9#

98 60.5 53.0 79.4



#22

Diisopropyl ether

Concen: 1.086 ug/l

RT: 5.95 min Scan# 1300

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion: 45 Resp: 17986

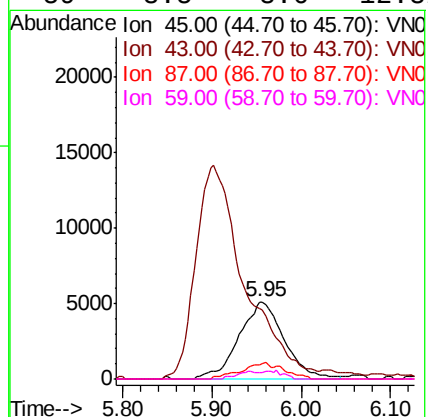
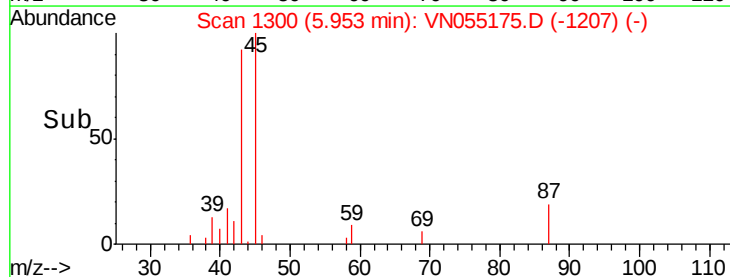
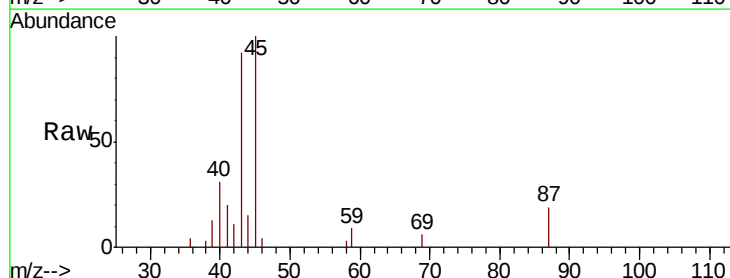
Ion Ratio Lower Upper

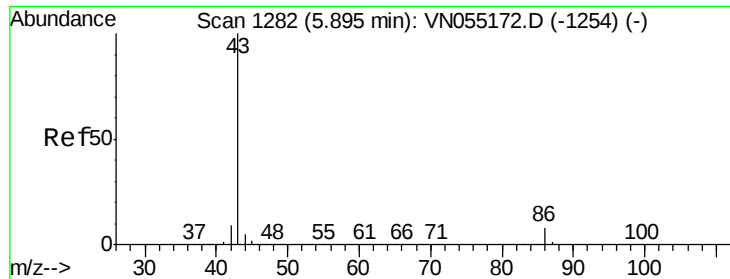
45 100

43 84.1 47.4 71.0#

87 18.9 18.4 27.6

59 8.5 8.6 12.8#





#23

Vinyl Acetate

Concen: 4.872 ug/l

RT: 5.90 min Scan# 1284

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

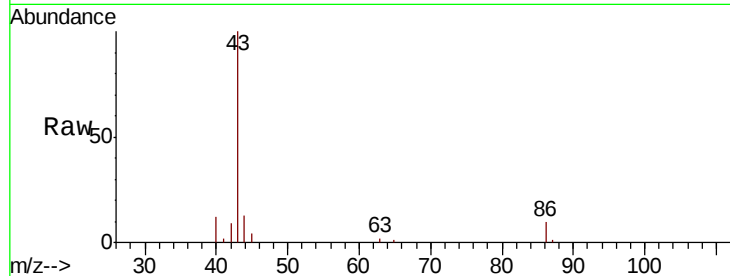
VSTDIC001

Tot Ion: 43 Resp: 54227

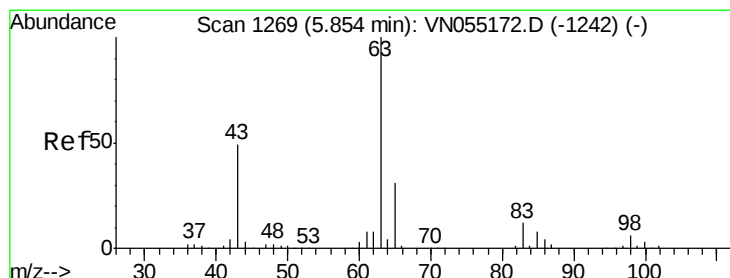
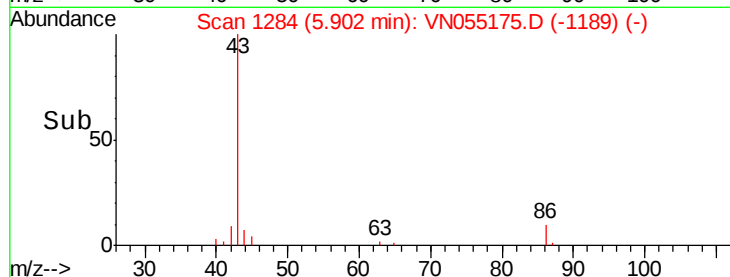
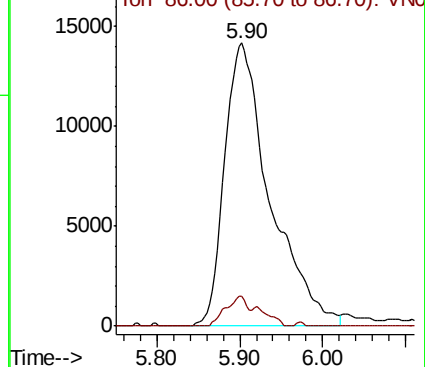
Ion Ratio Lower Upper

43 100

86 10.5 6.8 10.2#



Abundance Ion 43.00 (42.70 to 43.70): VN055175.D (-1189) (-)



#24

1,1-Dichloroethane

Concen: 1.071 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

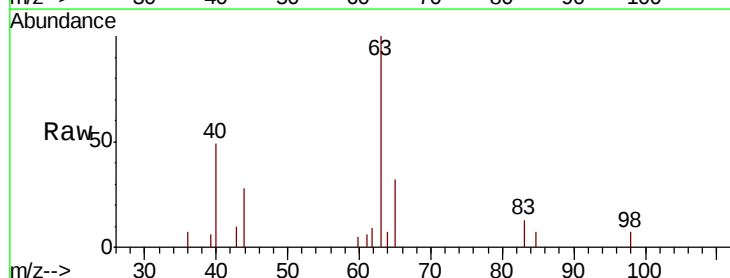
Tgt Ion: 63 Resp: 9540

Ion Ratio Lower Upper

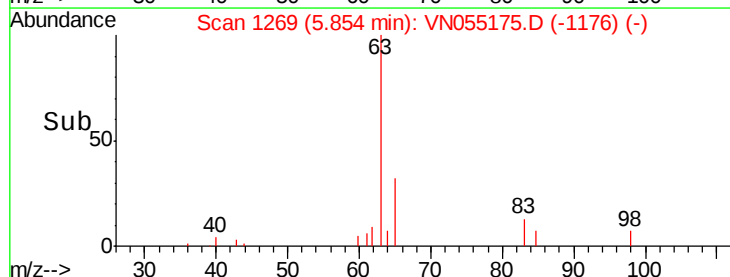
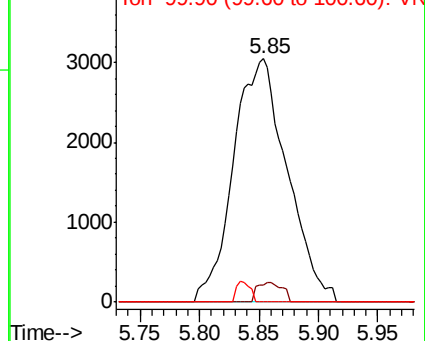
63 100

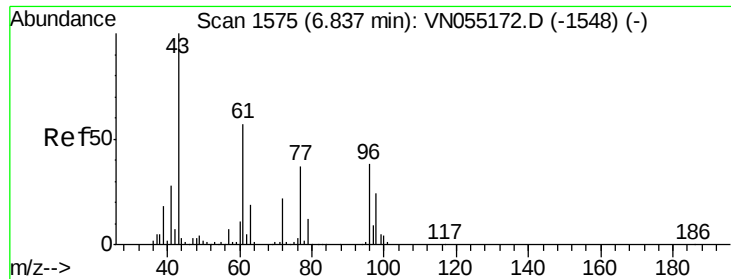
98 7.1 3.1 9.3

100 0.0 1.8 5.3#



Abundance Ion 62.90 (62.60 to 63.60): VN055175.D (-1176) (-)

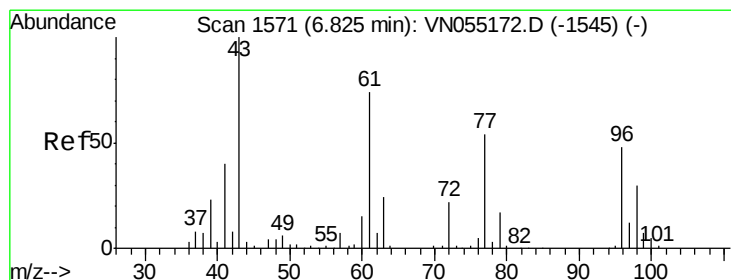
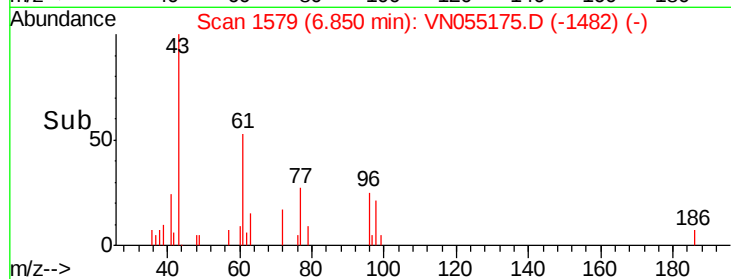
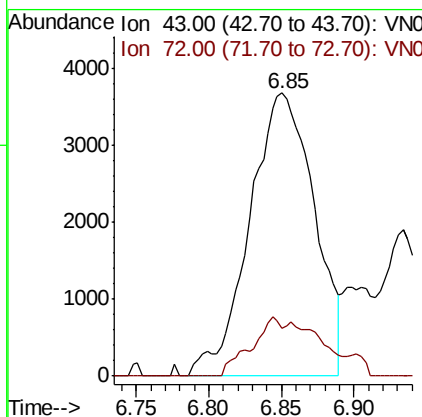
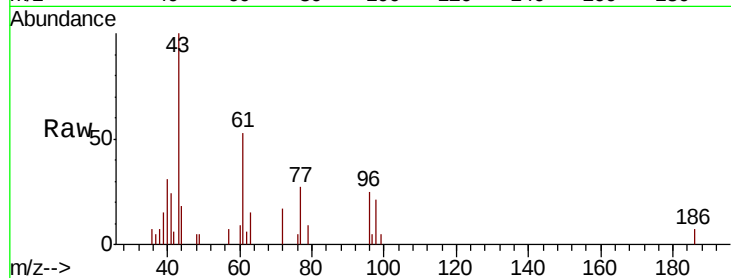




#25
2-Butanone
Concen: 4.840 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

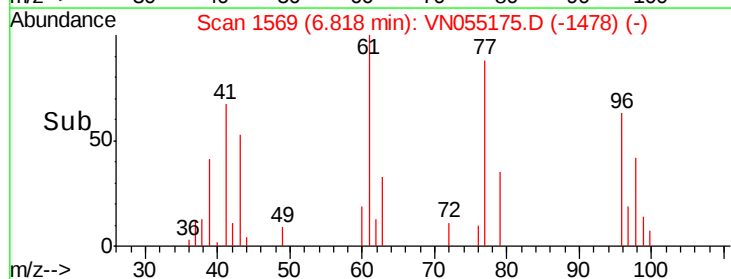
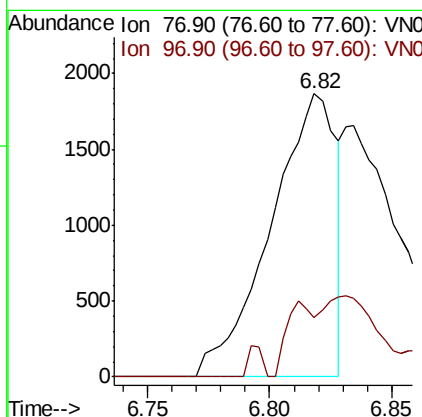
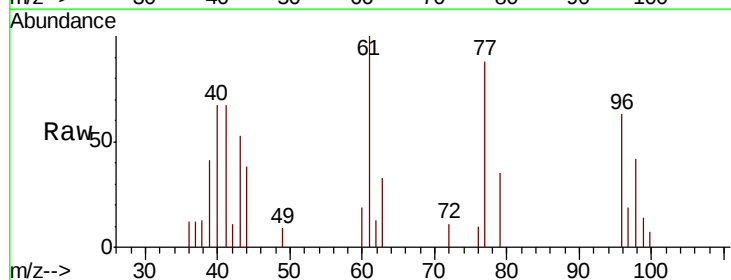
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

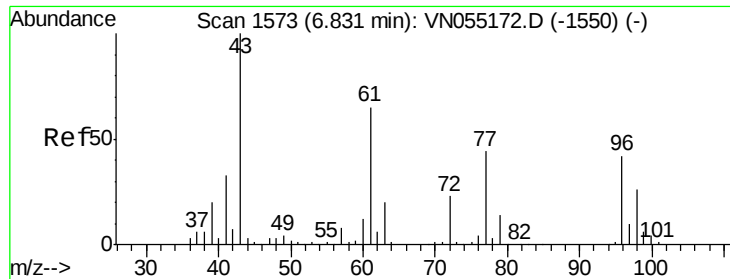
Tot Ion: 43 Resp: 11423
Ion Ratio Lower Upper
43 100
72 17.0 17.8 26.8#



#26
2,2-Dichloropropane
Concen: 0.572 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 77 Resp: 3448
Ion Ratio Lower Upper
77 100
97 11.3 11.3 33.8

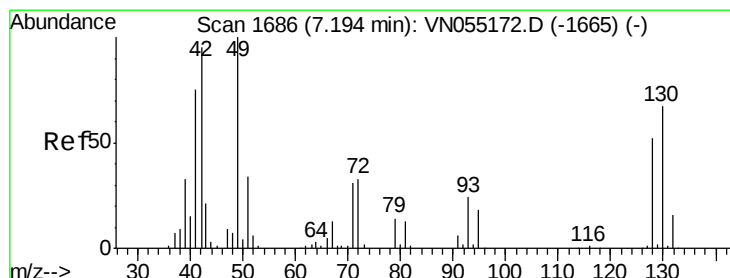
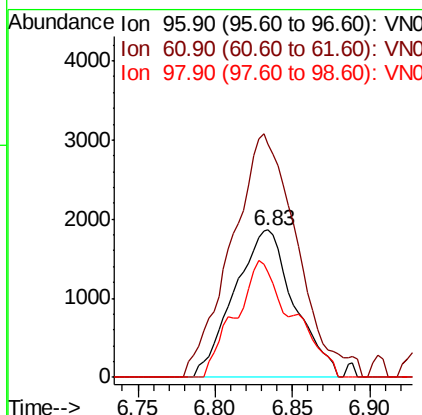
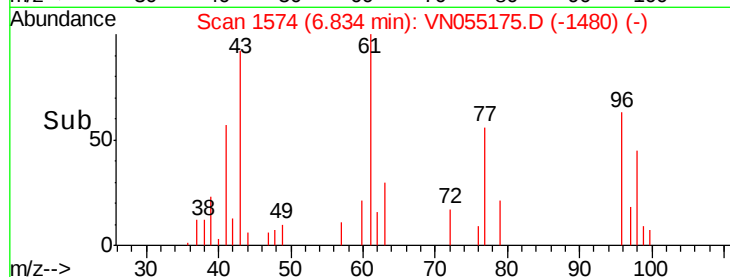
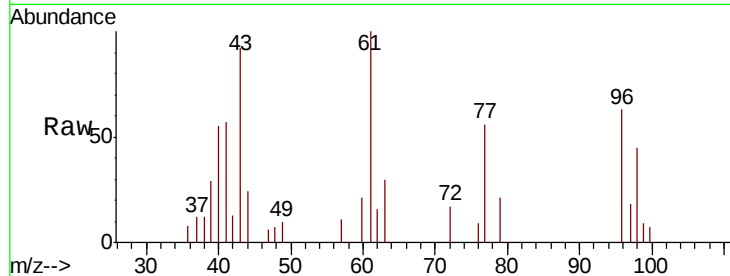




#27
 cis-1,2-Dichloroethene
 Concen: 0.992 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

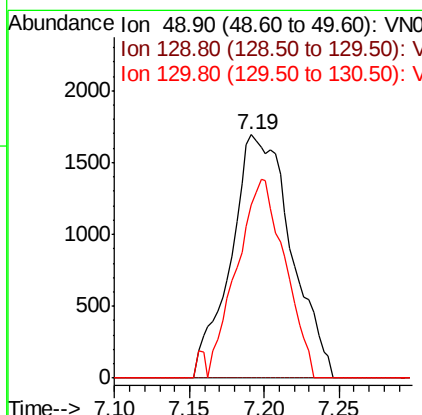
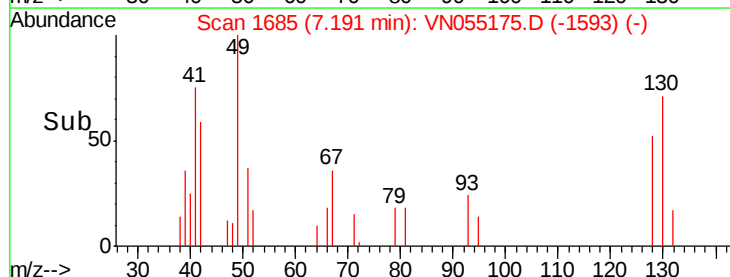
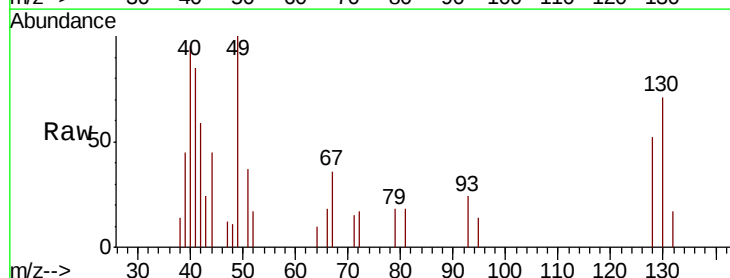
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

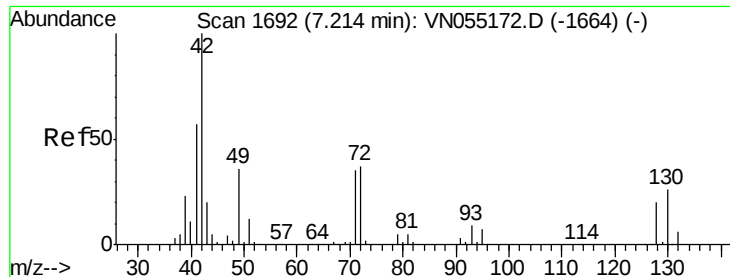
Tot Ion: 96 Resp: 5038
 Ion Ratio Lower Upper
 96 100
 61 180.5 0.0 310.8
 98 75.7 0.0 127.4



#28
 Bromochloromethane
 Concen: 1.047 ug/l
 RT: 7.19 min Scan# 1685
 Delta R.T. -0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 49 Resp: 4753
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 3.8
 130 65.1 53.4 80.2





#29

Tetrahydrofuran

Concen: 5.945 ug/l

RT: 7.22 min Scan# 1694

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

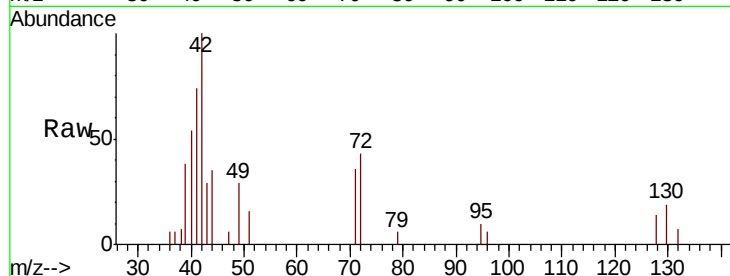
Tot Ion: 42 Resp: 8818

Ion Ratio Lower Upper

42 100

72 37.0 29.4 44.2

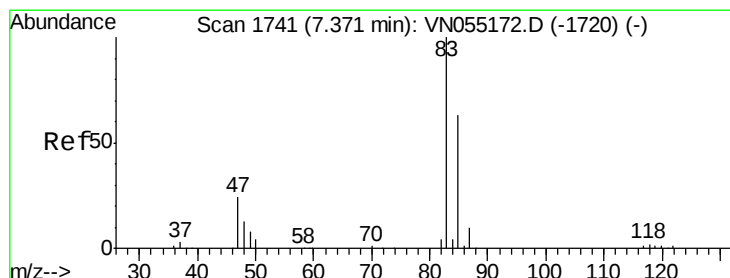
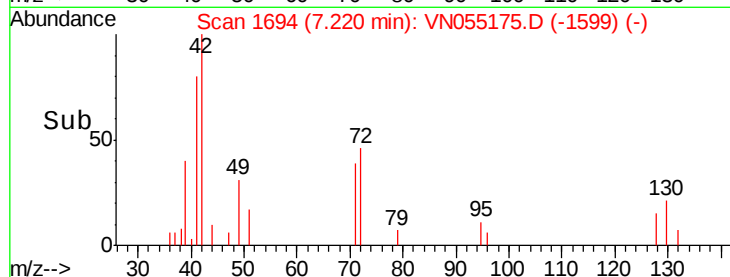
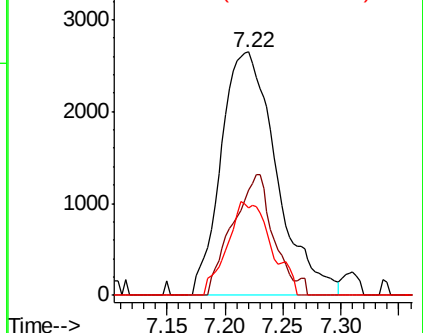
71 30.2 27.8 41.8



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 1.015 ug/l

RT: 7.37 min Scan# 1742

Delta R.T. 0.00 min

Lab File: VN055175.D

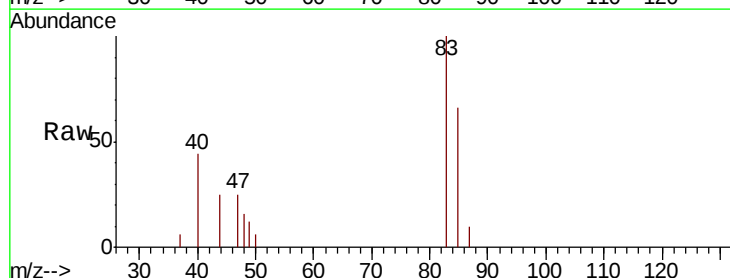
Acq: 22 Apr 2019 11:54

Tgt Ion: 83 Resp: 8604

Ion Ratio Lower Upper

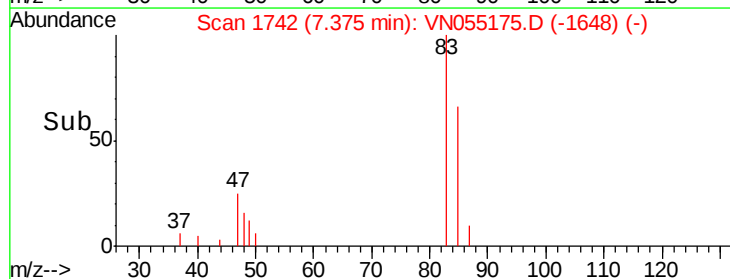
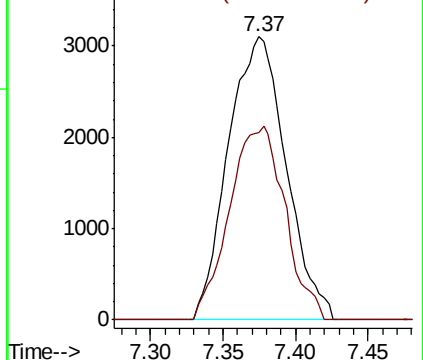
83 100

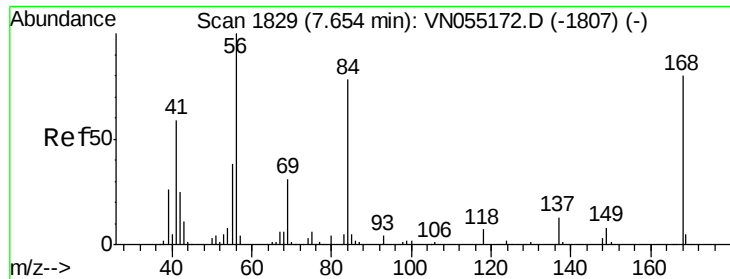
85 66.3 50.6 76.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

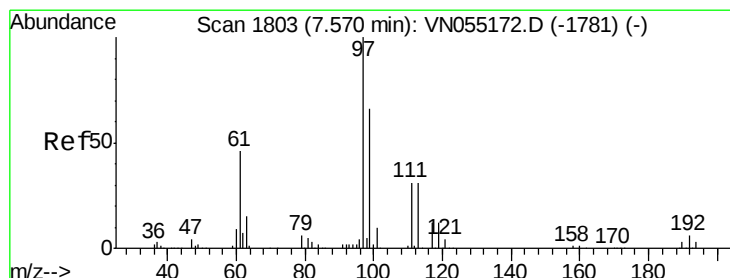
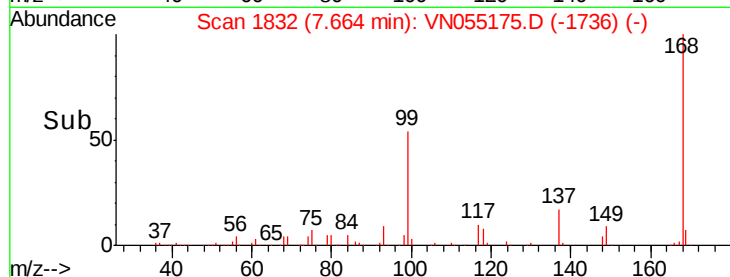
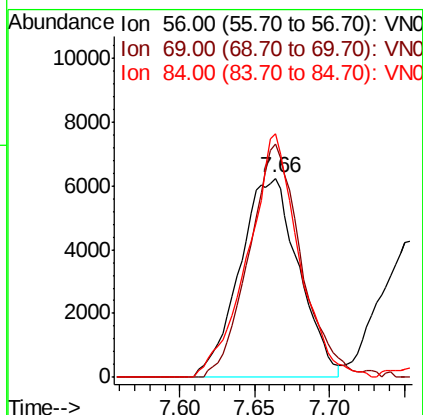
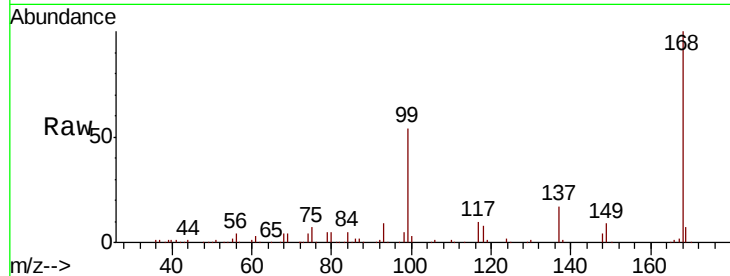




#31
Cyclohexane
Concen: 1.673 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

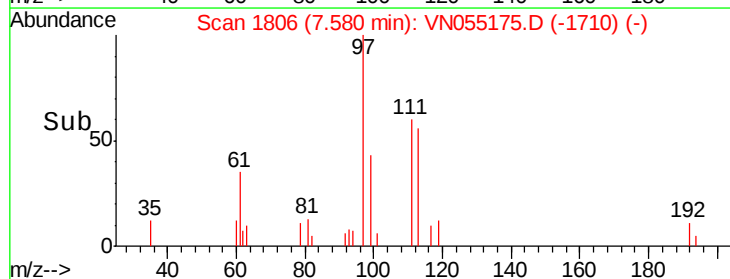
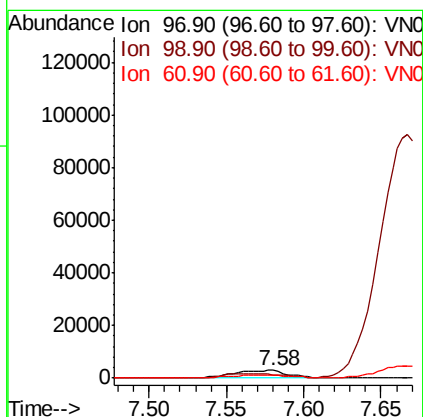
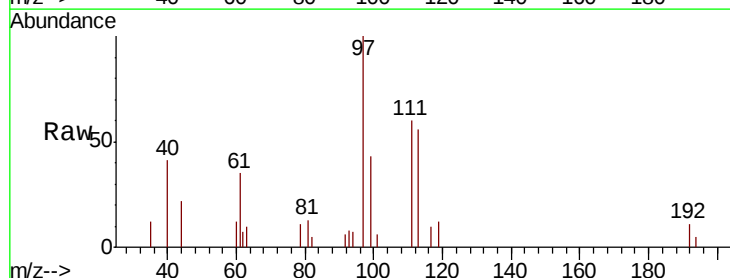
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

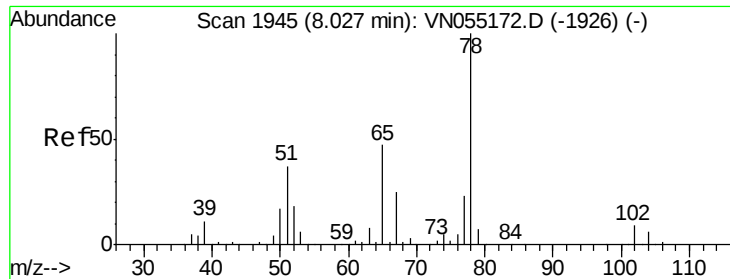
Tot Ion: 56 Resp: 17112
Ion Ratio Lower Upper
56 100
69 117.2 24.6 37.0#
84 122.3 61.4 92.2#



#32
1,1,1-Trichloroethane
Concen: 1.072 ug/l
RT: 7.58 min Scan# 1806
Delta R.T. 0.01 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 97 Resp: 7295
Ion Ratio Lower Upper
97 100
99 0.0 51.1 76.7#
61 44.1 38.3 57.5





#33

1,2-Dichloroethane-d4

Concen: 1.342 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

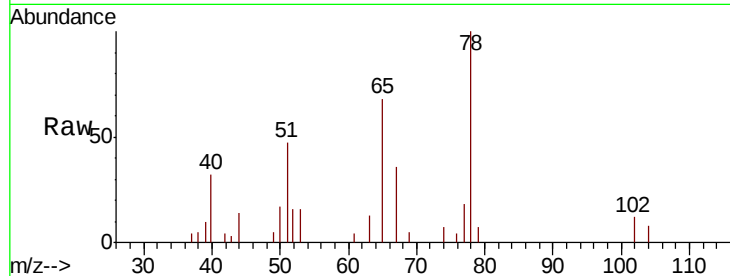
VSTDIC001

Tot Ion: 65 Resp: 8049

Ion Ratio Lower Upper

65 100

67 58.5 0.0 108.6



Abundance Ion 64.90 (64.60 to 65.60): VN055175.D (-1852) (-)

Ion 66.90 (66.60 to 67.60): VN055175.D (-1852) (-)

8.03

3000

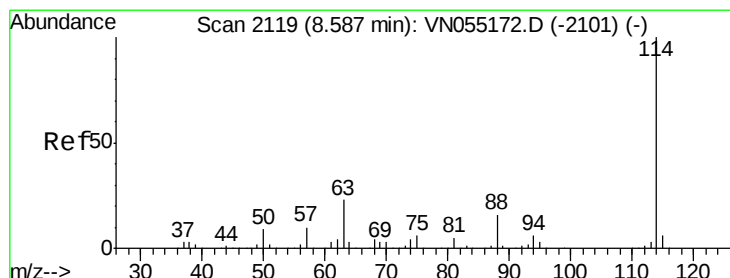
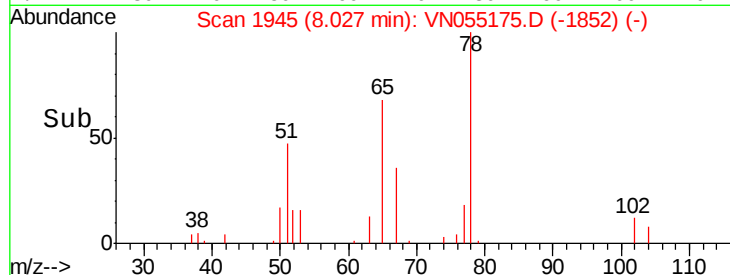
2000

1000

0

7.95 8.00 8.05 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

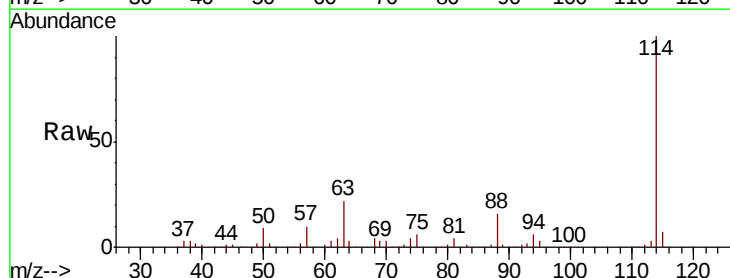
Tgt Ion: 114 Resp: 682932

Ion Ratio Lower Upper

114 100

63 21.8 0.0 45.2

88 16.0 0.0 32.8



Abundance Ion 113.90 (113.60 to 114.60): VN055175.D (-2026) (-)

Ion 63.00 (62.70 to 63.70): VN055175.D (-2026) (-)

Ion 87.90 (87.60 to 88.60): VN055175.D (-2026) (-)

8.59

400000

300000

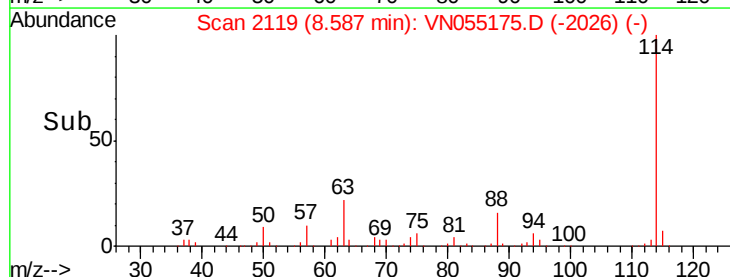
200000

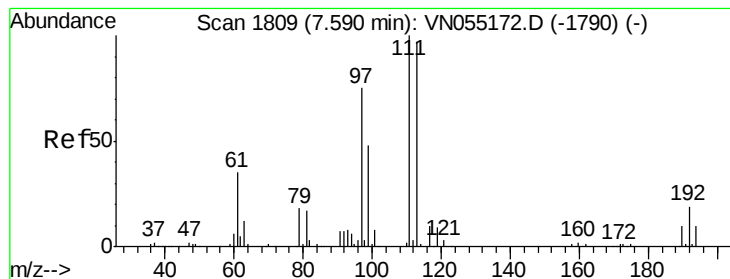
100000

0

8.50 8.60 8.70 8.80

Time-->





#35

Dibromofluoromethane

Concen: 1.087 ug/l

RT: 7.60 min Scan# 1811

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

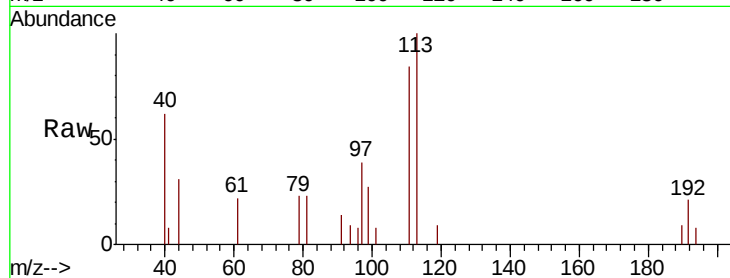
Tot Ion:113 Resp: 5327

Ion Ratio Lower Upper

113 100

111 105.7 81.0 121.4

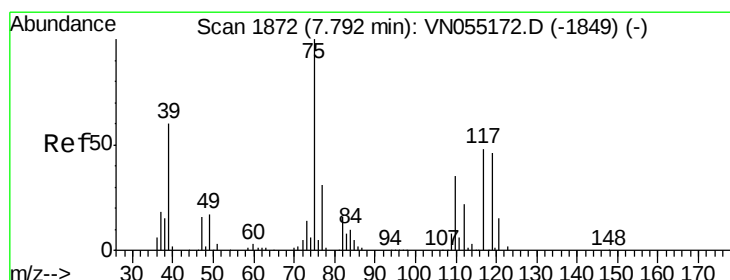
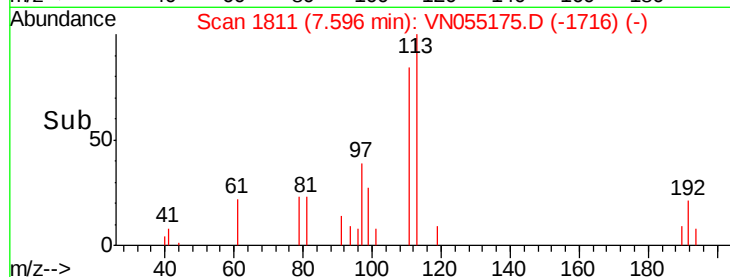
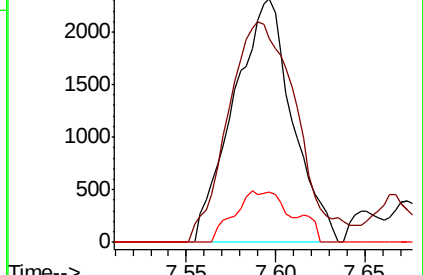
192 18.4 16.2 24.4



Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



#36

1,1-Dichloropropene

Concen: 0.999 ug/l

RT: 7.80 min Scan# 1873

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

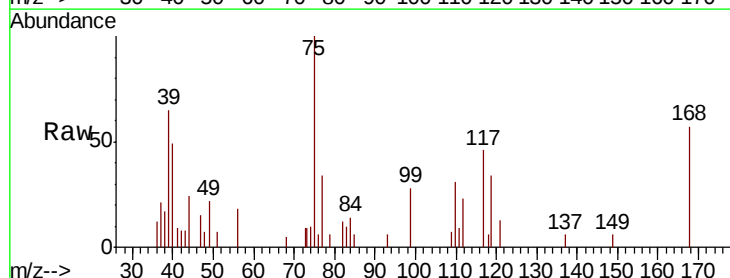
Tgt Ion: 75 Resp: 6335

Ion Ratio Lower Upper

75 100

110 34.5 17.1 51.2

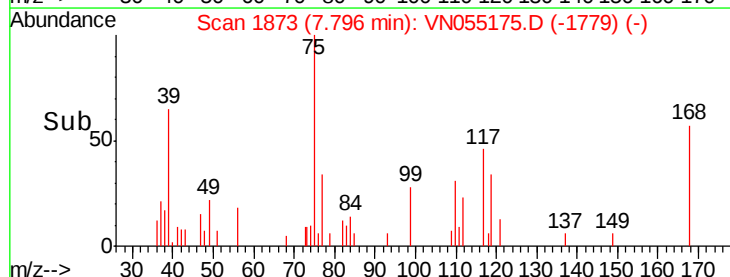
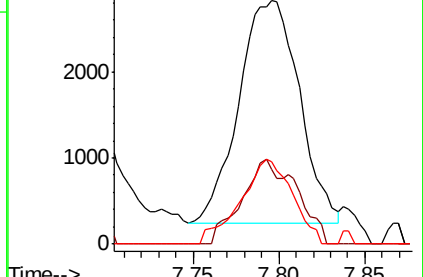
77 32.6 24.6 36.8

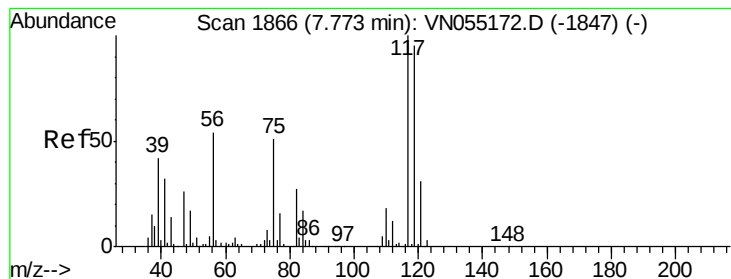


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 1.155 ug/l

RT: 7.77 min Scan# 1865

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

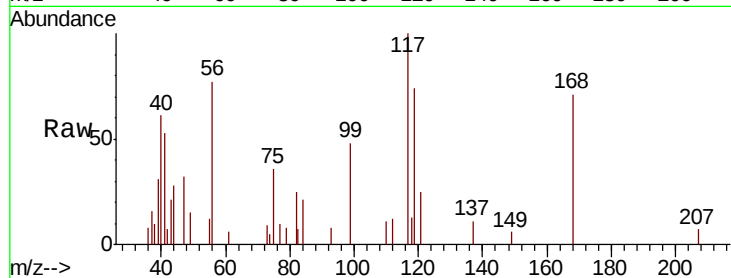
Tot Ion:117 Resp: 7315

Ion Ratio Lower Upper

117 100

119 74.1 76.0 114.0#

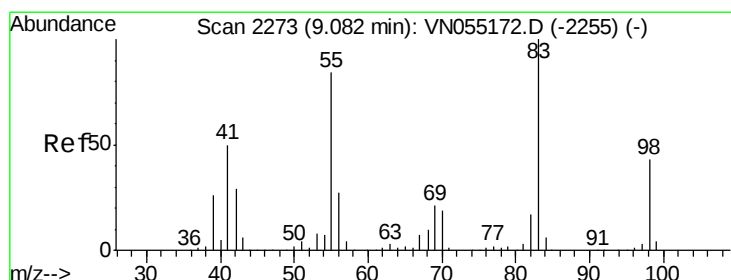
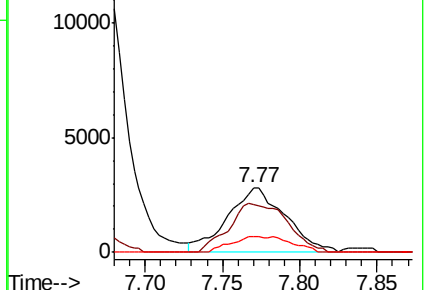
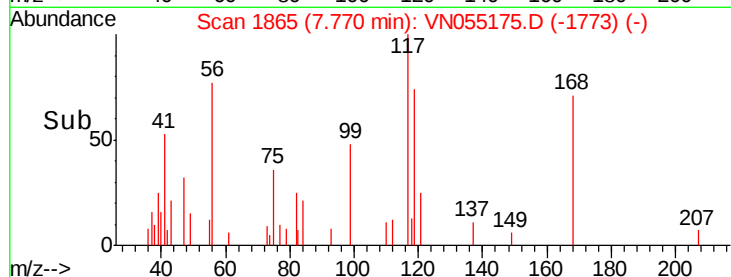
121 25.1 24.6 36.8



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: 1.056 ug/l

RT: 9.08 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

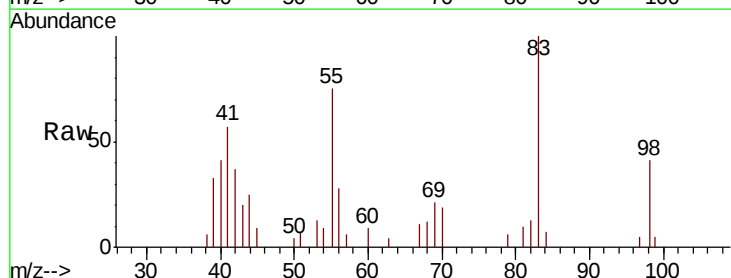
Tgt Ion: 83 Resp: 7983

Ion Ratio Lower Upper

83 100

55 75.2 67.4 101.0

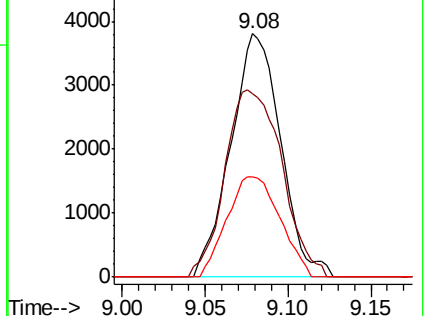
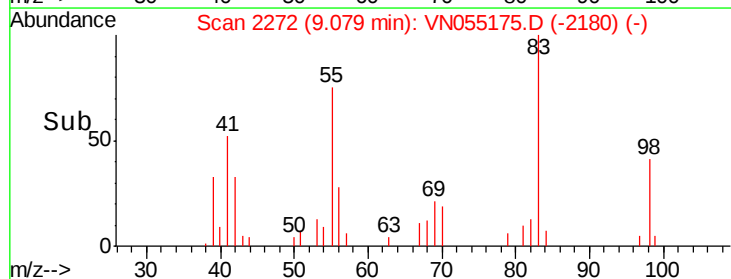
98 41.2 34.7 52.1

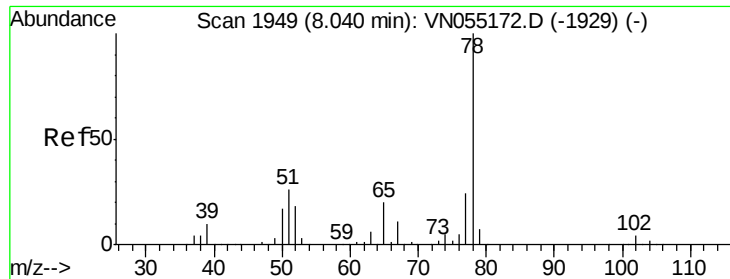


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 0.989 ug/l

RT: 8.04 min Scan# 1950

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

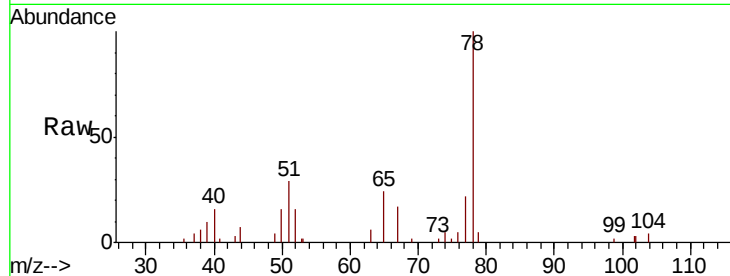
VSTDIC001

Tot Ion: 78 Resp: 19342

Ion Ratio Lower Upper

78 100

77 22.1 19.5 29.3

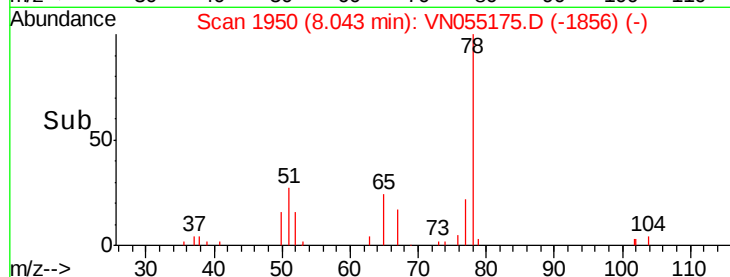


Abundance Ion 78.00 (77.70 to 78.70): VN055172.D (-1929) (-)

Ion 77.00 (76.70 to 77.70): VN055172.D (-1929) (-)

8.04

Time-->



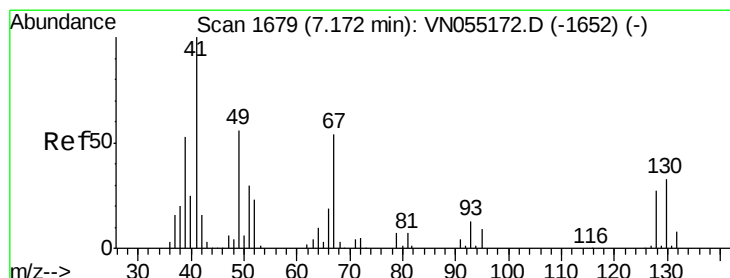
Abundance

Ion 78.00 (77.70 to 78.70): VN055175.D (-1856) (-)

Ion 77.00 (76.70 to 77.70): VN055175.D (-1856) (-)

8.04

Time-->



#41

Methacrylonitrile

Concen: 1.428 ug/l

RT: 7.19 min Scan# 1686

Delta R.T. 0.02 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion: 41 Resp: 3728

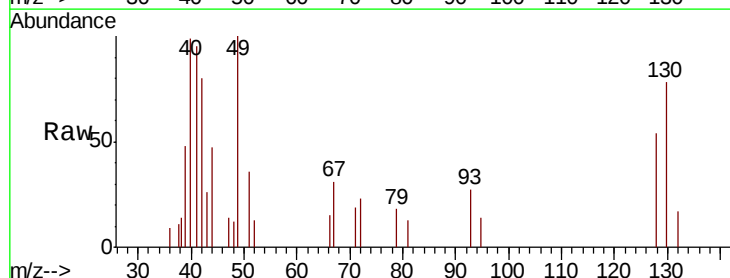
Ion Ratio Lower Upper

41 100

39 7.5 45.4 68.0#

67 0.0 54.6 81.8#

52 0.0 22.8 34.2#



Abundance Ion 41.00 (40.70 to 41.70): VN055172.D (-1652) (-)

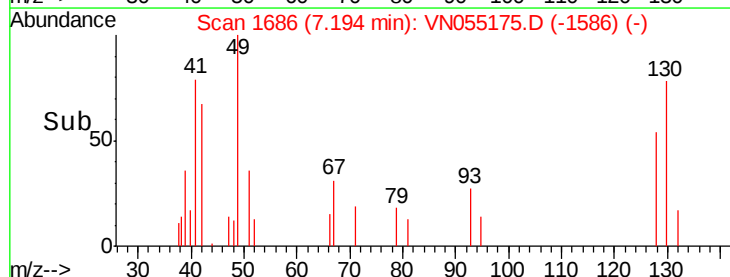
Ion 39.00 (38.70 to 39.70): VN055172.D (-1652) (-)

Ion 67.00 (66.70 to 67.70): VN055172.D (-1652) (-)

Ion 52.00 (51.70 to 52.70): VN055172.D (-1652) (-)

7.19

Time-->



Abundance

Ion 41.00 (40.70 to 41.70): VN055175.D (-1586) (-)

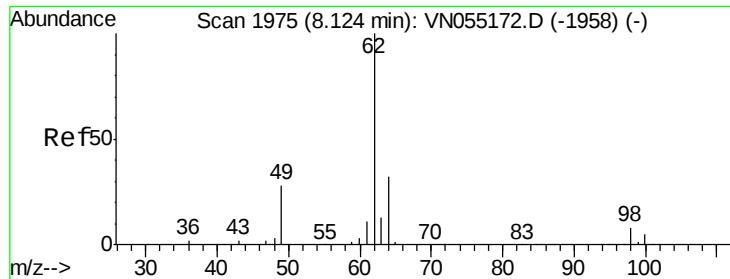
Ion 39.00 (38.70 to 39.70): VN055175.D (-1586) (-)

Ion 67.00 (66.70 to 67.70): VN055175.D (-1586) (-)

Ion 52.00 (51.70 to 52.70): VN055175.D (-1586) (-)

7.19

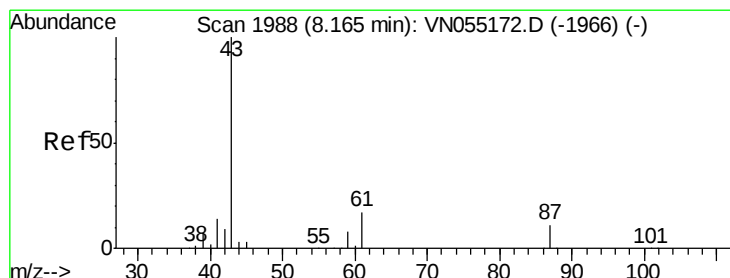
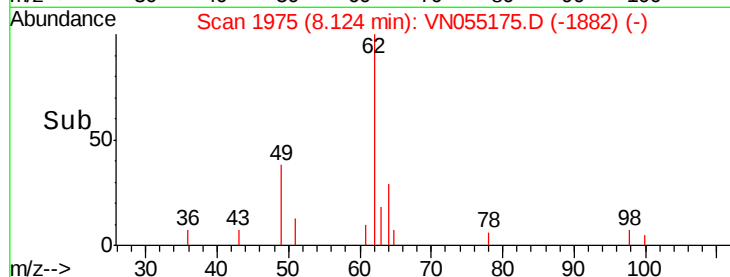
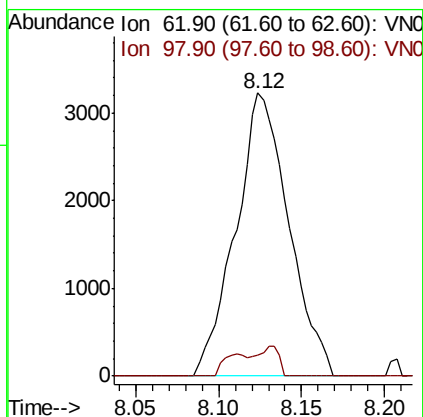
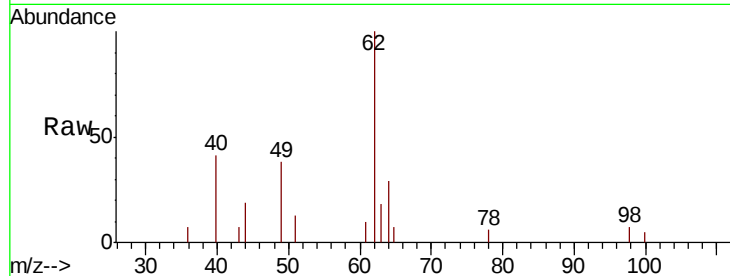
Time-->



#42
 1,2-Dichloroethane
 Concen: 1.051 ug/l
 RT: 8.12 min Scan# 1975
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

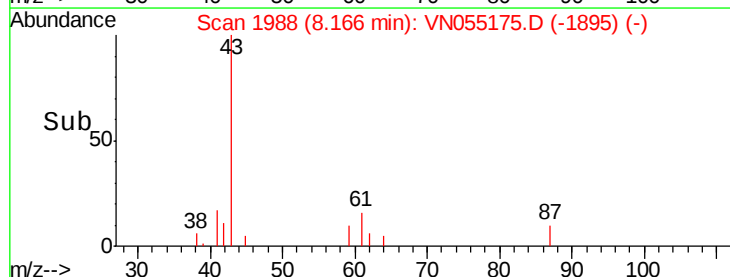
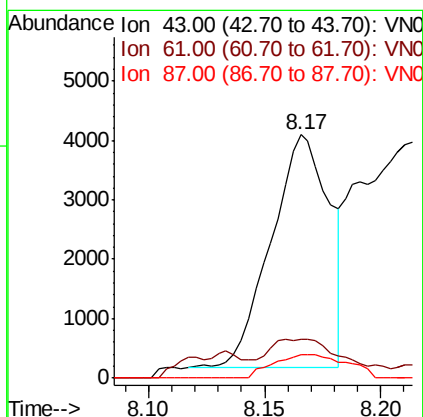
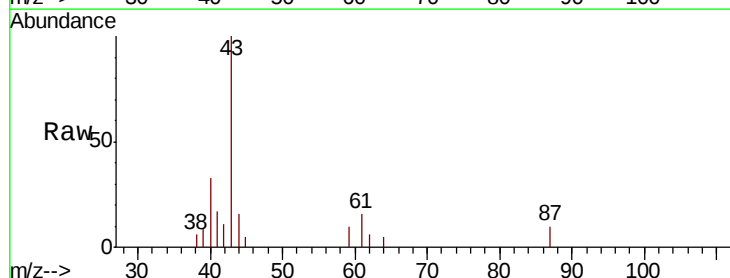
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

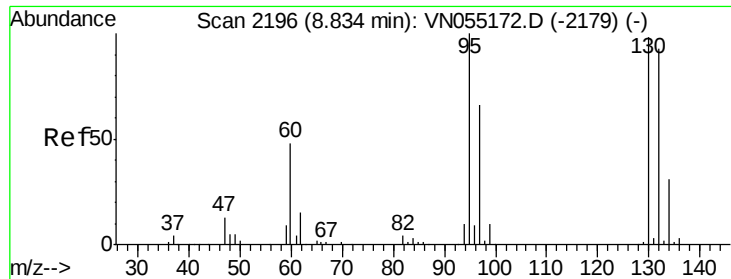
Tot Ion: 62 Resp: 7175
 Ion Ratio Lower Upper
 62 100
 98 3.8 0.0 17.0



#43
 Isopropyl Acetate
 Concen: 0.834 ug/l
 RT: 8.17 min Scan# 1988
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 6909
 Ion Ratio Lower Upper
 43 100
 61 22.5 20.6 30.8
 87 12.7 8.8 13.2

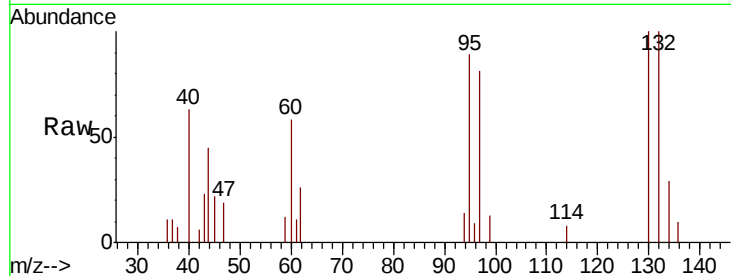




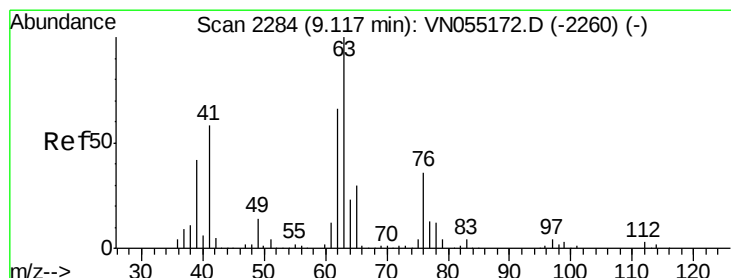
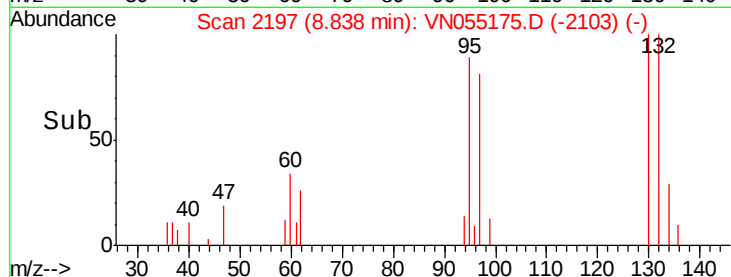
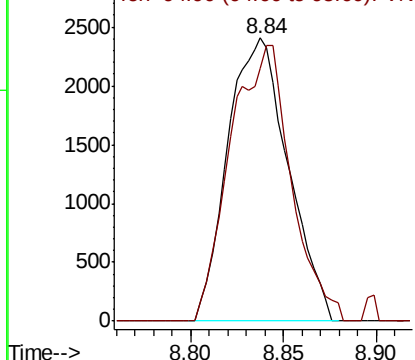
#44
 Trichloroethene
 Concen: 1.105 ug/l
 RT: 8.84 min Scan# 2197
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion:130 Resp: 5465
 Ion Ratio Lower Upper
 130 100
 95 89.2 0.0 203.6

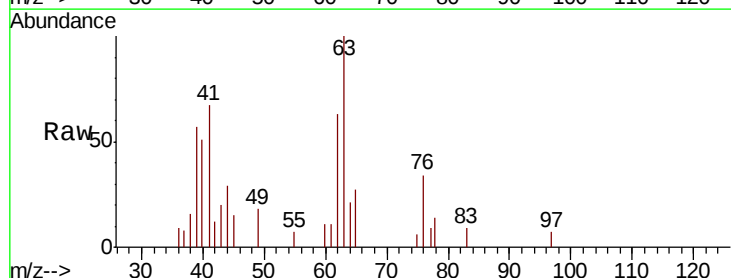


Abundance Ion 129.80 (129.50 to 130.50): V
 Ion 94.90 (94.60 to 95.60): VN

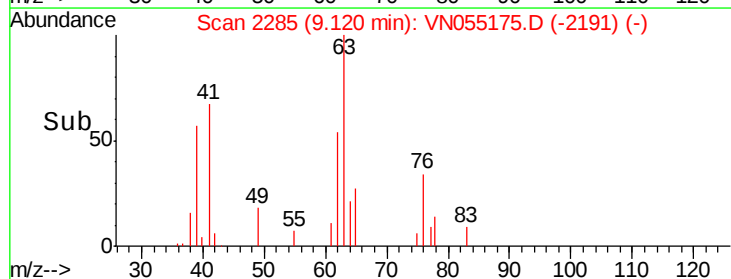
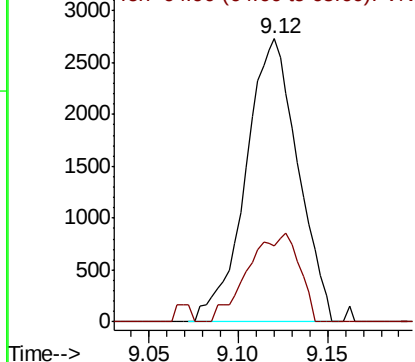


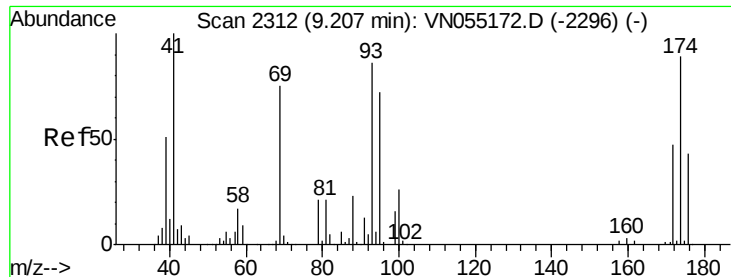
#45
 1,2-Dichloropropane
 Concen: 1.010 ug/l
 RT: 9.12 min Scan# 2285
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 63 Resp: 5580
 Ion Ratio Lower Upper
 63 100
 65 26.8 23.8 35.6



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





#46

Dibromomethane

Concen: 0.950 ug/l

RT: 9.21 min Scan# 2314

Delta R.T. 0.01 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

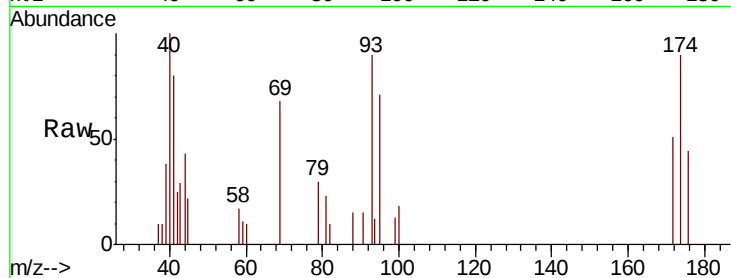
Tot Ion: 93 Resp: 3003

Ion Ratio Lower Upper

93 100

95 89.4 67.6 101.4

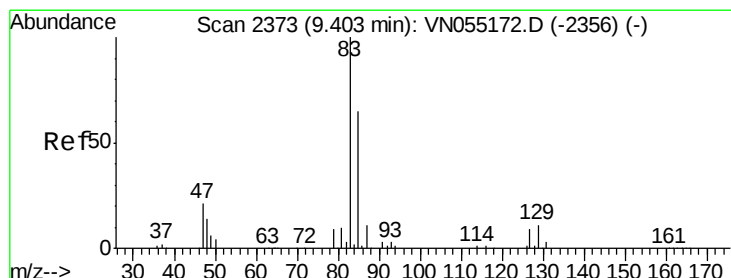
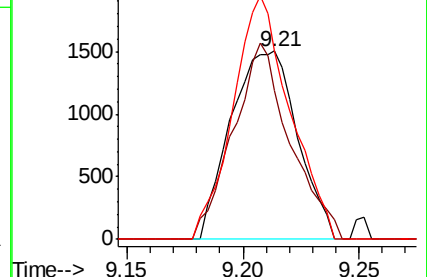
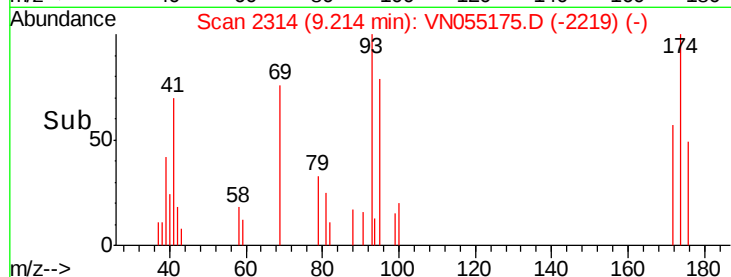
174 110.7 83.4 125.2



Abundance Ion 92.80 (92.50 to 93.50): VN055175.D (-2219) (-)

Ion 94.80 (94.50 to 95.50): VN055175.D (-2219) (-)

Ion 173.70 (173.40 to 174.40): VN055175.D (-2219) (-)



#47

Bromodichloromethane

Concen: 1.028 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

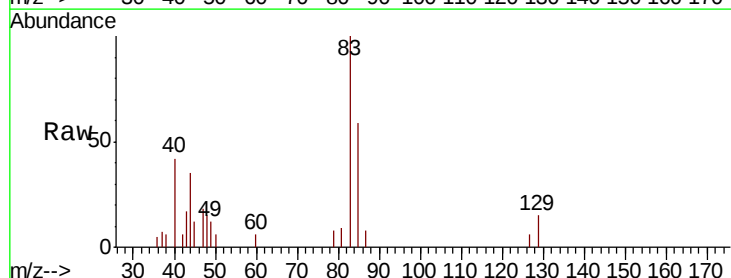
Tgt Ion: 83 Resp: 6505

Ion Ratio Lower Upper

83 100

85 59.0 52.1 78.1

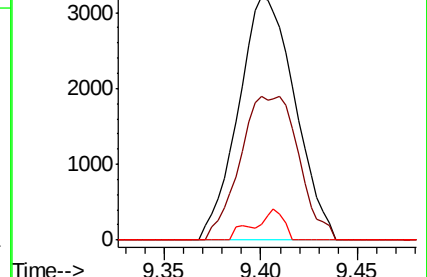
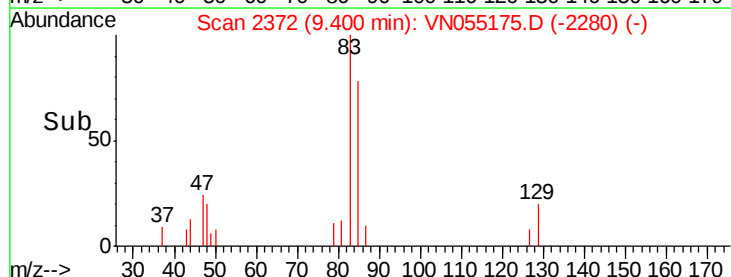
127 6.3 6.9 10.3#

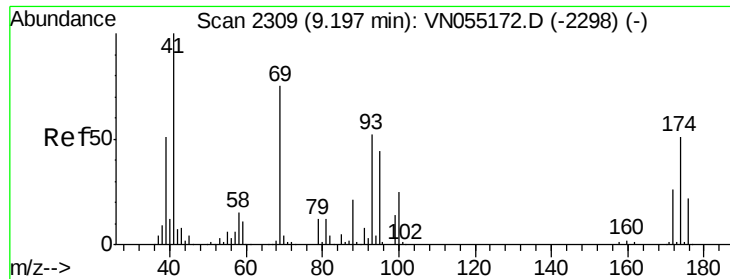


Abundance Ion 82.90 (82.60 to 83.60): VN055175.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055175.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055175.D (-2280) (-)





#48

Methyl methacrylate

Concen: 1.158 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

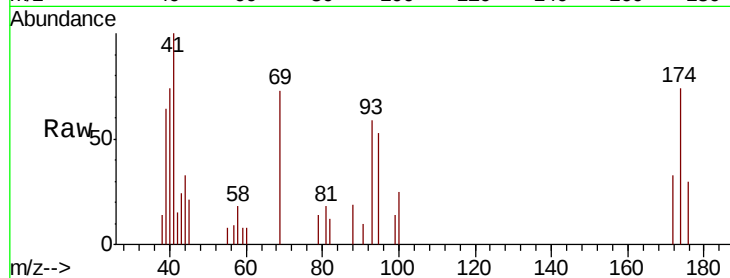
Tot Ion: 41 Resp: 4655

Ion Ratio Lower Upper

41 100

69 73.2 63.6 95.4

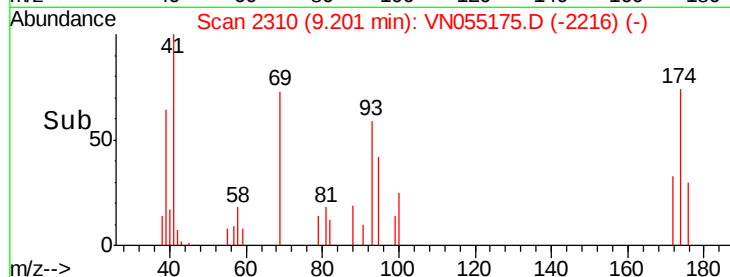
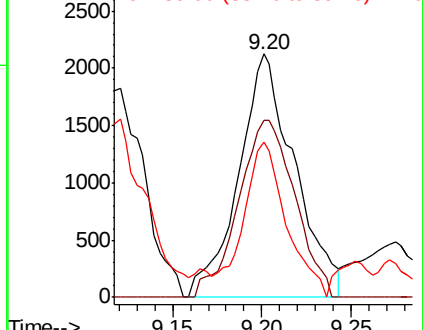
39 49.2 43.8 65.8



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: 13.146 ug/l

RT: 9.20 min Scan# 2311

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

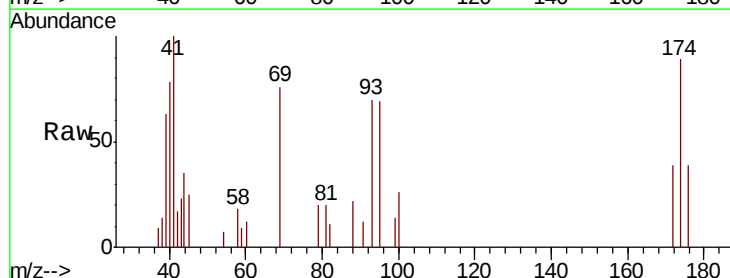
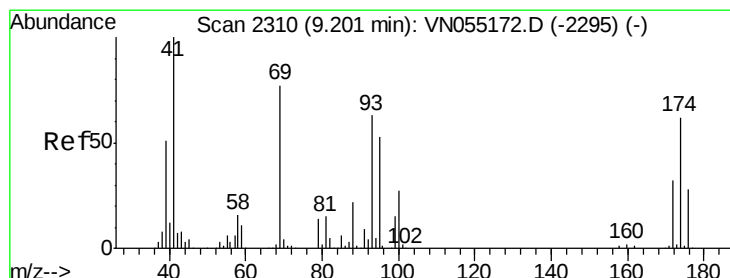
Tgt Ion: 88 Resp: 610

Ion Ratio Lower Upper

88 100

43 88.4 32.0 48.0#

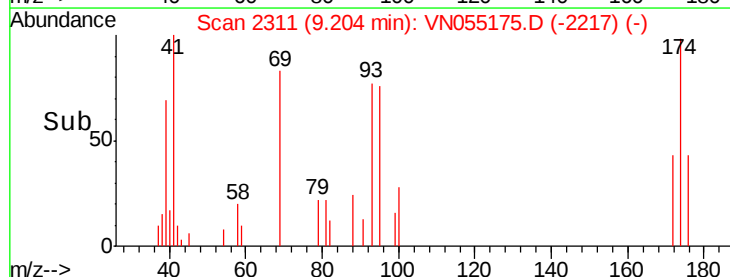
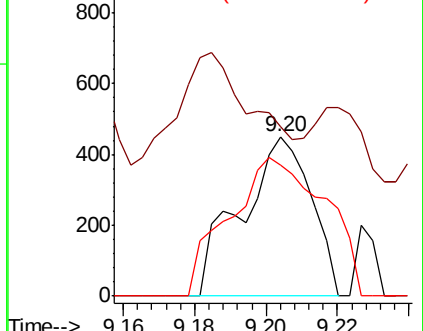
58 118.9 60.4 90.6#

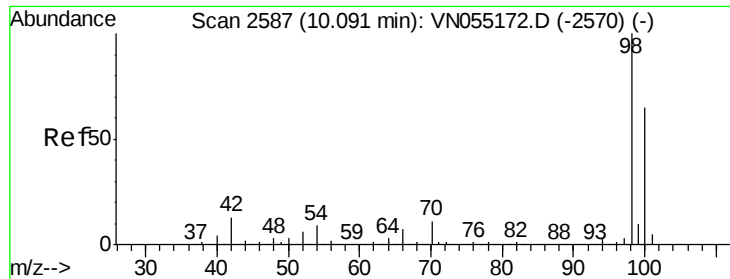


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

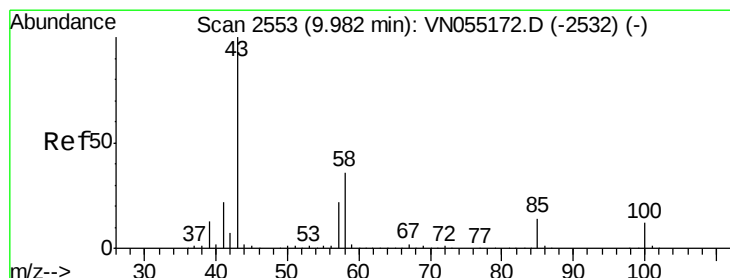
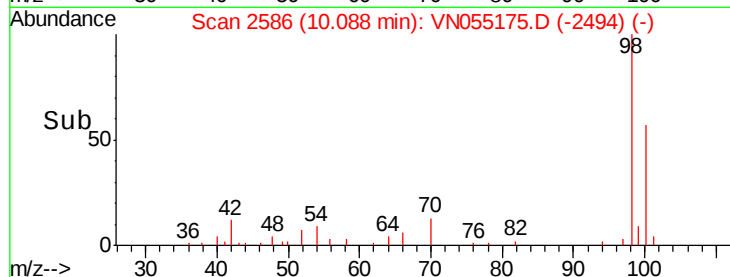
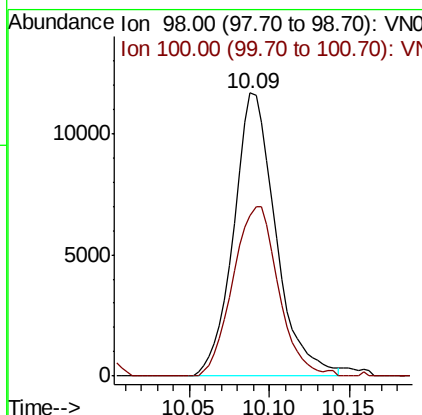
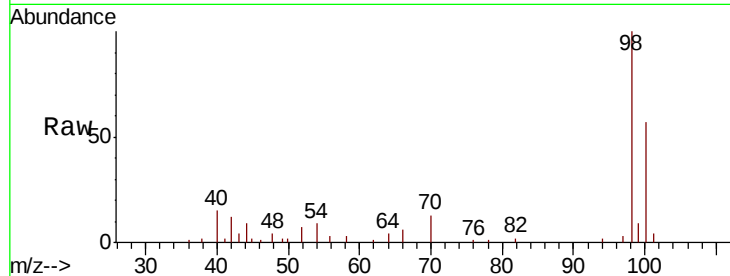




#50
Toluene-d8
Concen: 1.180 ug/l
RT: 10.09 min Scan# 2586
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

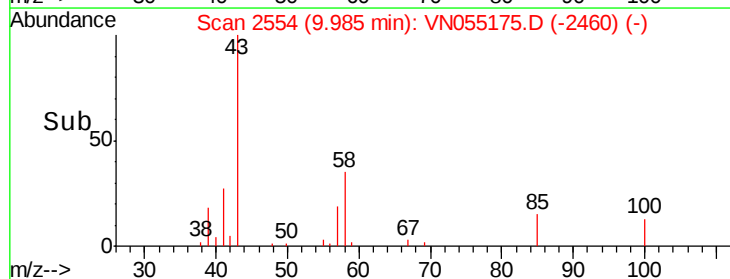
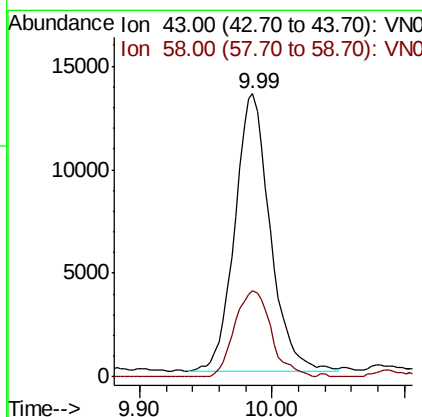
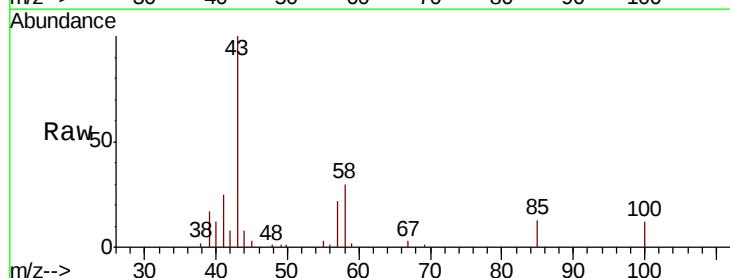
Instrument :
MSVOA_N
ClientSampled :
VSTDICC001

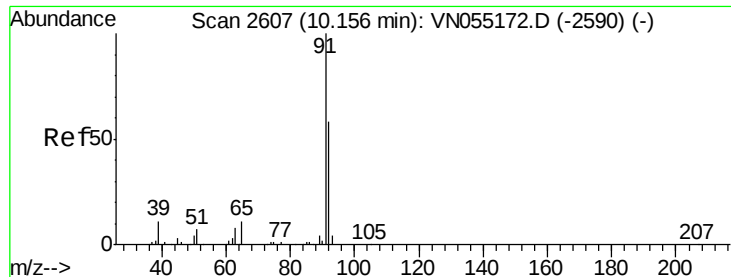
Tot Ion: 98 Resp: 20930
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 5.232 ug/l
RT: 9.99 min Scan# 2554
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 24940
Ion Ratio Lower Upper
43 100
58 32.0 28.3 42.5





#52

Toluene

Concen: 0.955 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

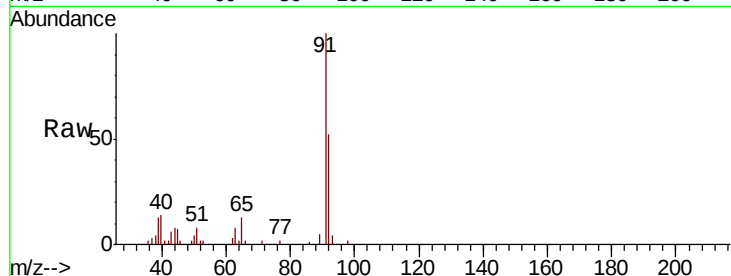
VSTDIC001

Tot Ion: 92 Resp: 10959

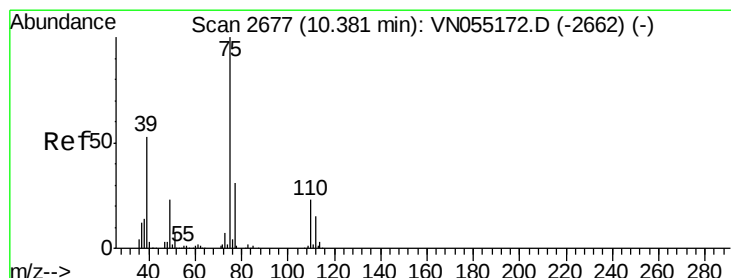
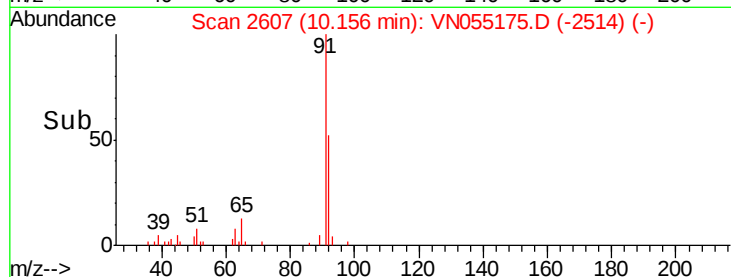
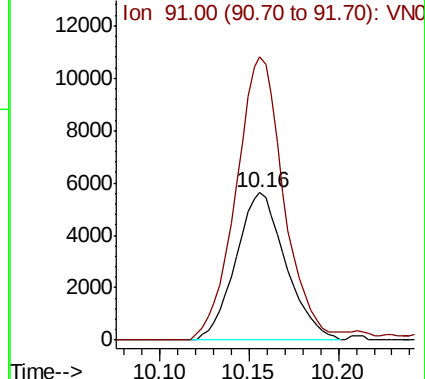
Ion Ratio Lower Upper

92 100

91 183.5 138.7 208.1



Abundance Ion 92.00 (91.70 to 92.70): VN0



#53

t-1,3-Dichloropropene

Concen: 0.929 ug/l

RT: 10.38 min Scan# 2678

Delta R.T. 0.00 min

Lab File: VN055175.D

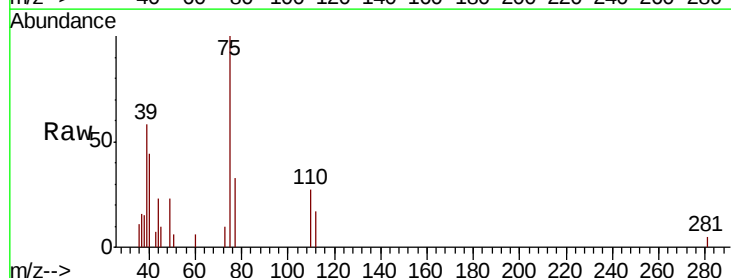
Acq: 22 Apr 2019 11:54

Tgt Ion: 75 Resp: 5396

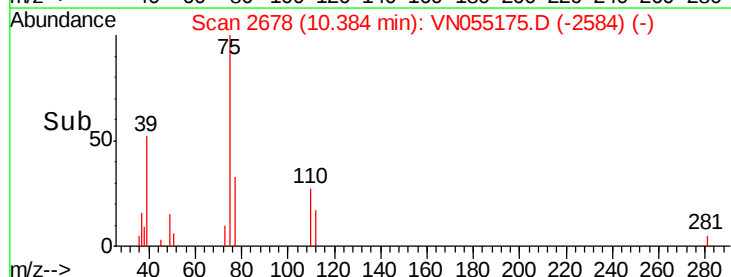
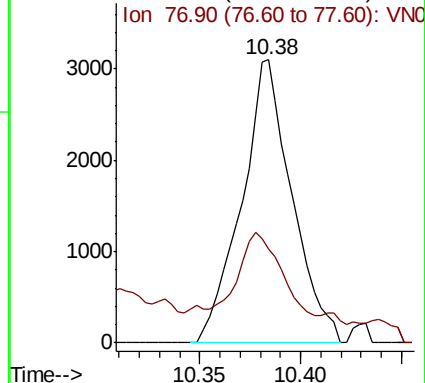
Ion Ratio Lower Upper

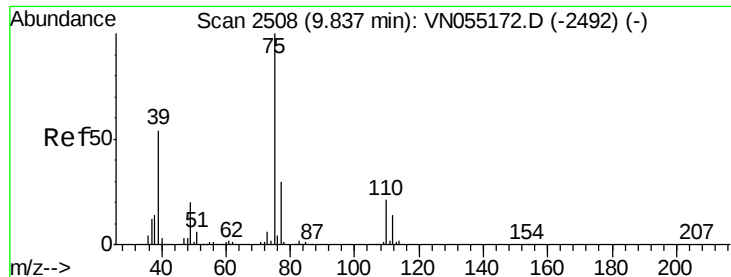
75 100

77 25.0 25.1 37.7#



Abundance Ion 74.90 (74.60 to 75.60): VN0





#54

cis-1,3-Dichloropropene

Concen: 0.955 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

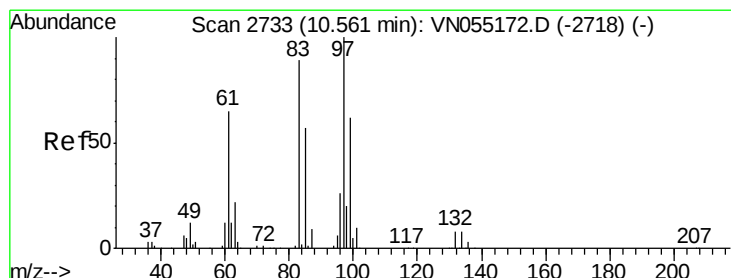
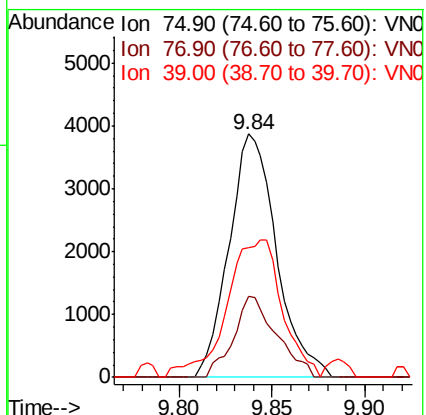
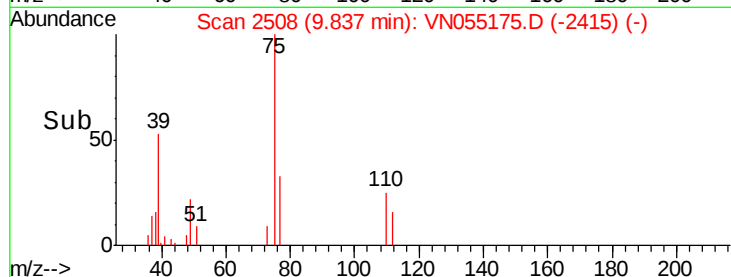
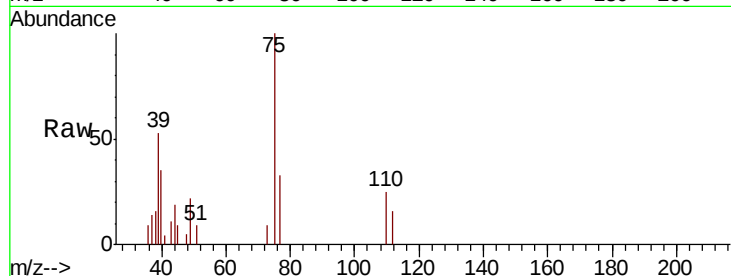
Tot Ion: 75 Resp: 6882

Ion Ratio Lower Upper

75 100

77 33.1 24.3 36.5

39 47.9 43.0 64.4



#55

1,1,2-Trichloroethane

Concen: 1.125 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Tgt Ion: 97 Resp: 4758

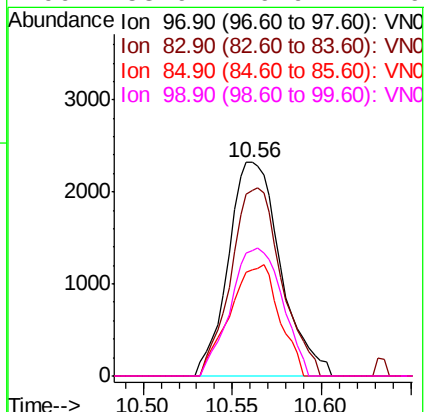
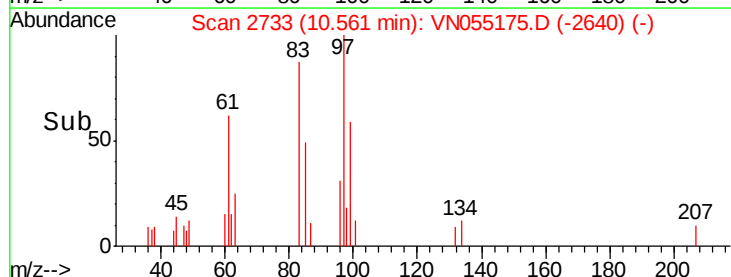
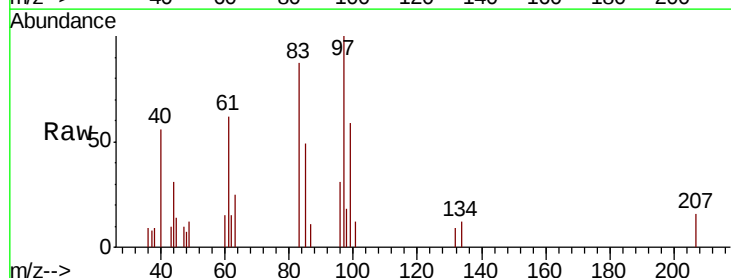
Ion Ratio Lower Upper

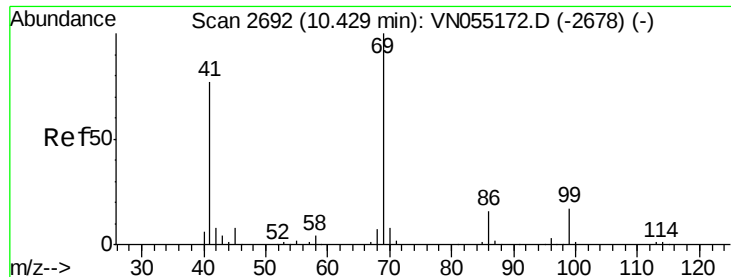
97 100

83 87.1 71.5 107.3

85 49.5 45.8 68.6

99 58.9 49.9 74.9





#56

Ethyl methacrylate

Concen: 0.933 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

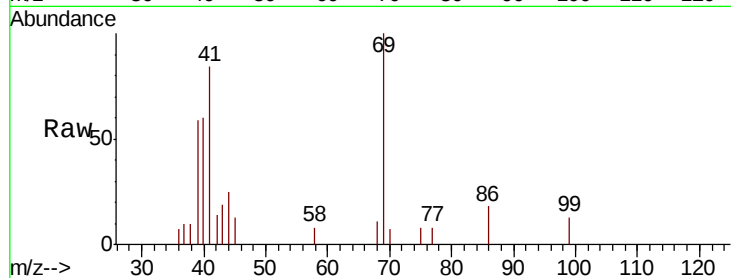
Tot Ion: 69 Resp: 4915

Ion Ratio Lower Upper

69 100

41 93.6 60.6 90.8#

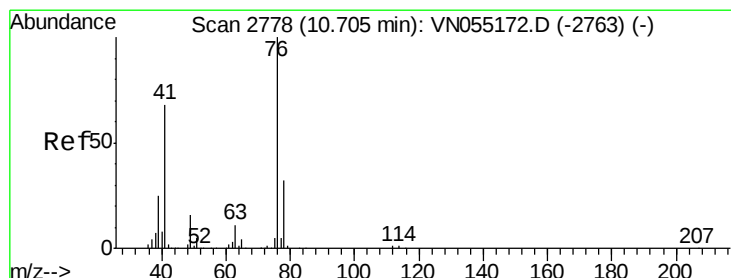
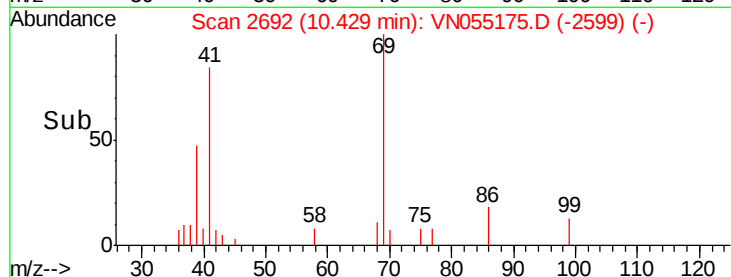
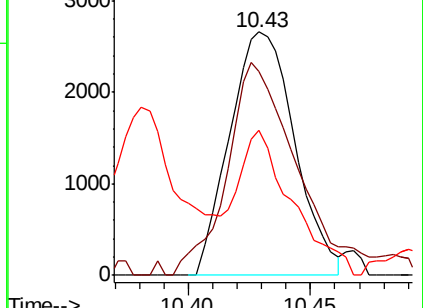
39 50.6 31.7 47.5#



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: 1.016 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055175.D

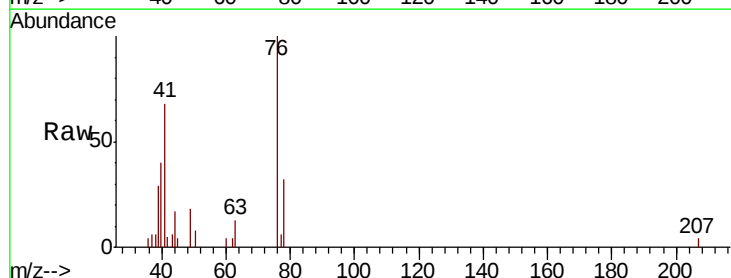
Acq: 22 Apr 2019 11:54

Tgt Ion: 76 Resp: 7479

Ion Ratio Lower Upper

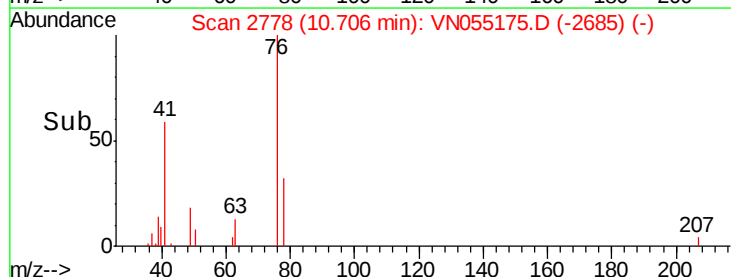
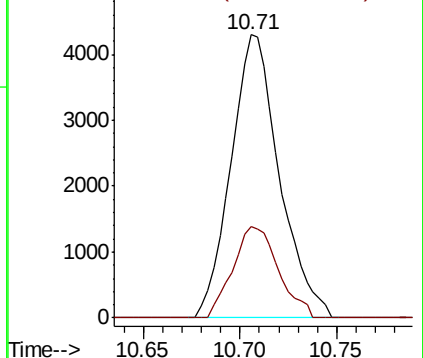
76 100

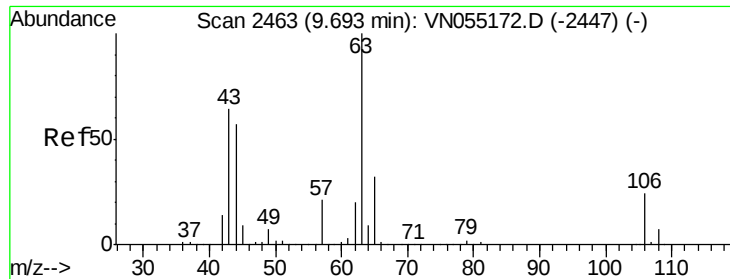
78 30.3 25.3 37.9



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

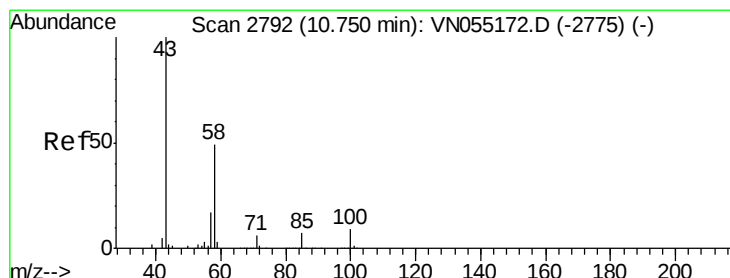
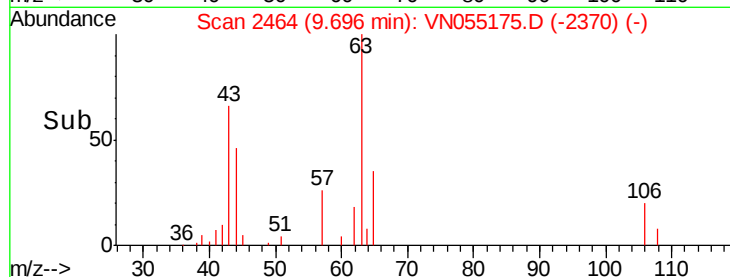
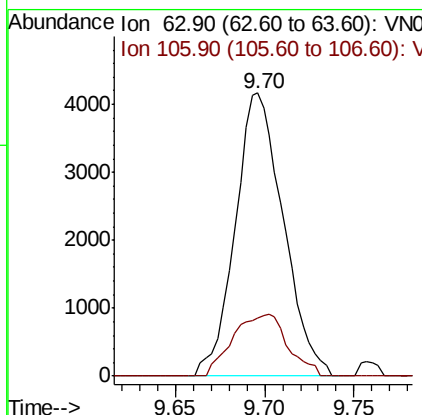
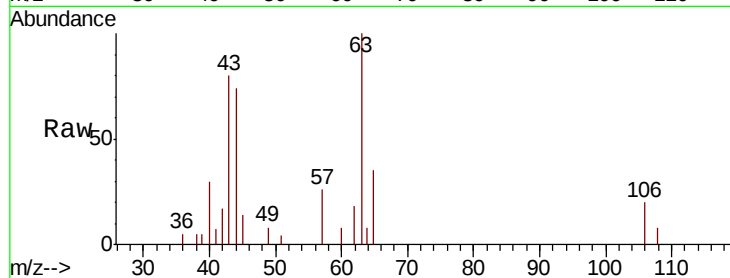




#58
2-Chloroethyl Vinyl ether
Concen: 4.620 ug/l
RT: 9.70 min Scan# 2464
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

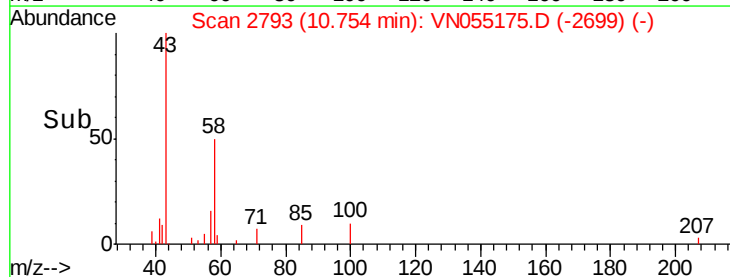
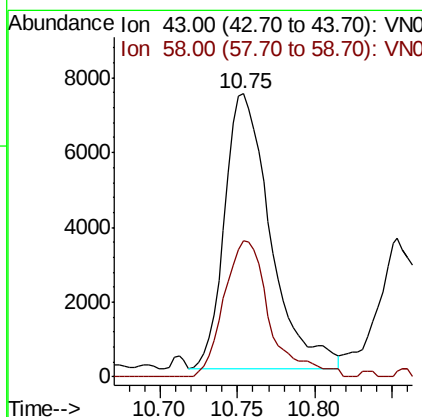
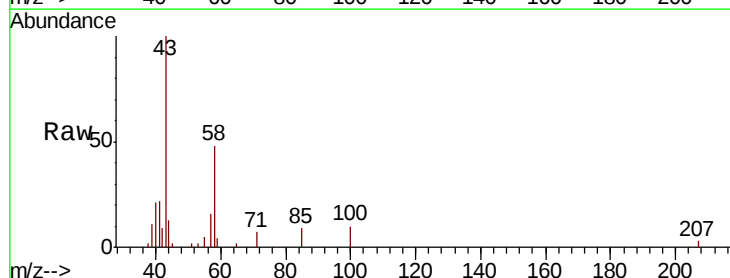
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

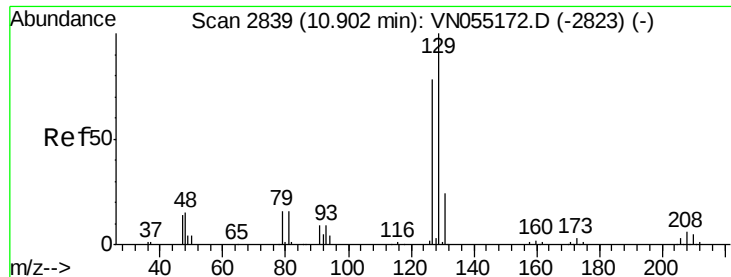
Tot Ion: 63 Resp: 7847
Ion Ratio Lower Upper
63 100
106 24.8 19.4 29.0



#59
2-Hexanone
Concen: 5.049 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion: 43 Resp: 15203
Ion Ratio Lower Upper
43 100
58 49.3 24.5 73.5

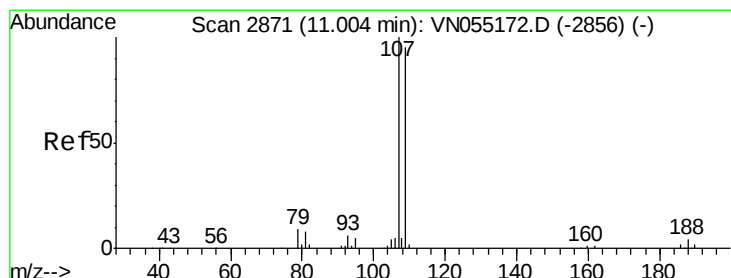
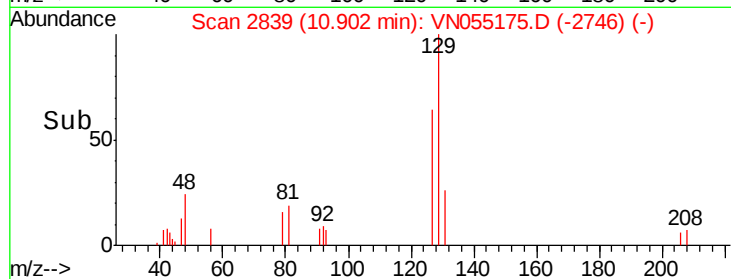
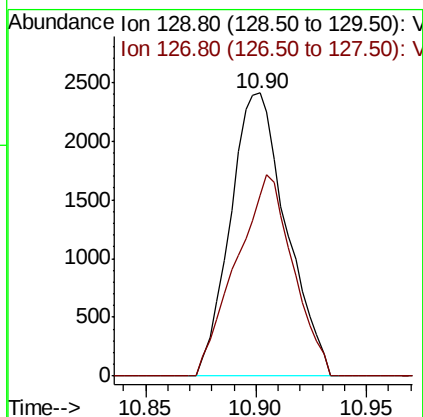
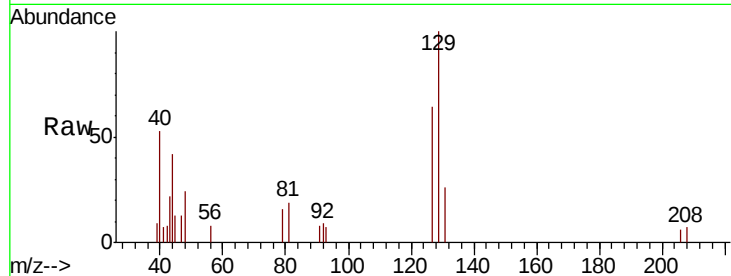




#60
Dibromochloromethane
Concen: 0.973 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

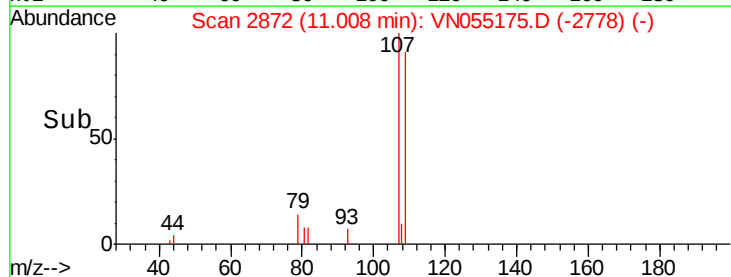
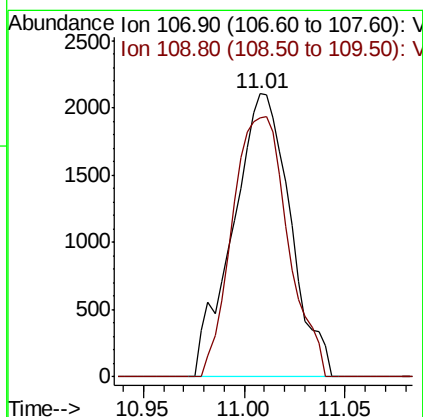
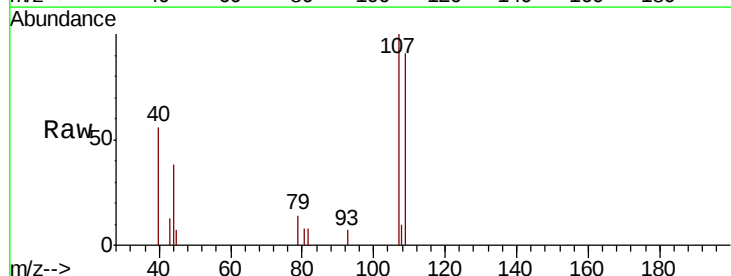
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

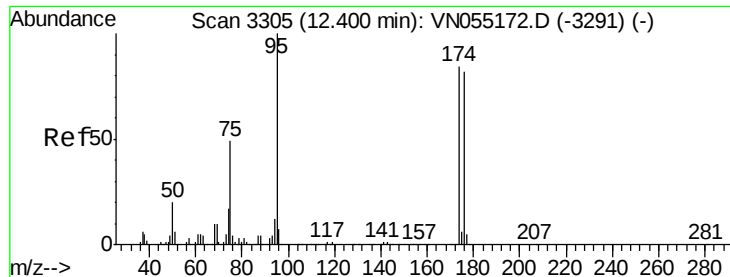
Tot Ion:129 Resp: 4240
Ion Ratio Lower Upper
129 100
127 72.1 39.0 117.0



#61
1,2-Dibromoethane
Concen: 1.054 ug/l
RT: 11.01 min Scan# 2872
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:107 Resp: 4189
Ion Ratio Lower Upper
107 100
109 89.2 75.8 113.6





#62

4-Bromofluorobenzene

Concen: 1.319 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

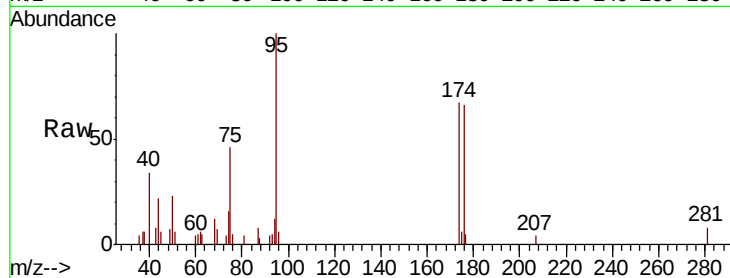
Tot Ion: 95 Resp: 7376

Ion Ratio Lower Upper

95 100

174 77.0 0.0 168.4

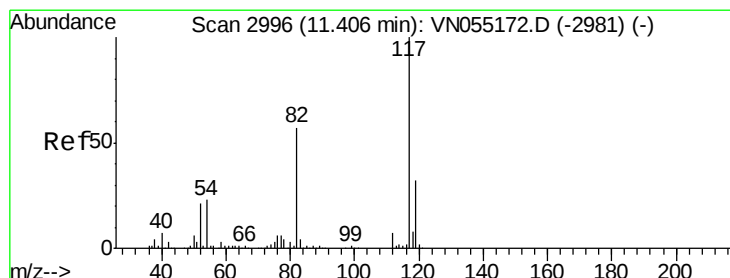
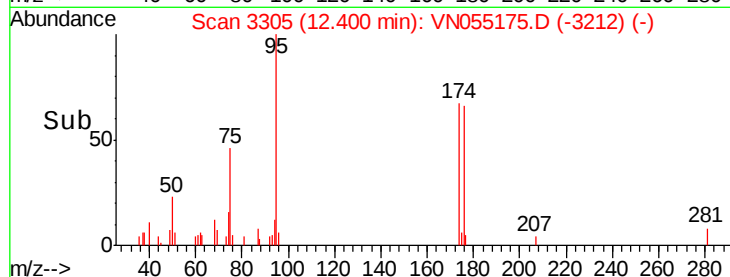
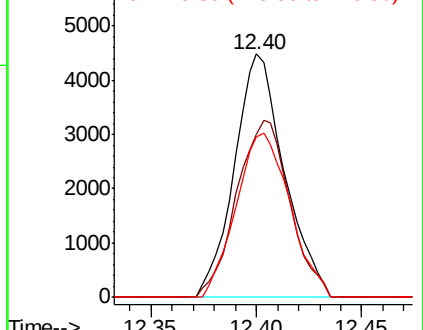
176 72.6 0.0 164.0



Abundance Ion 94.90 (94.60 to 95.60): VN055172.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN055172.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN055172.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

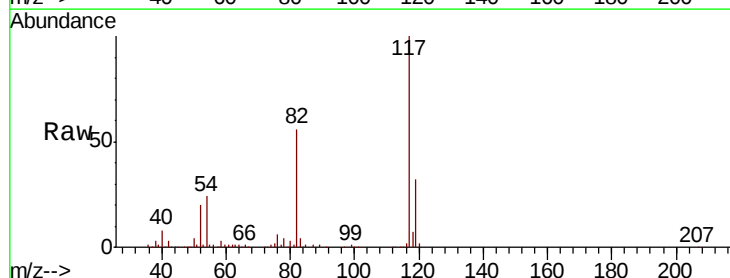
Tgt Ion: 117 Resp: 571538

Ion Ratio Lower Upper

117 100

82 56.2 45.7 68.5

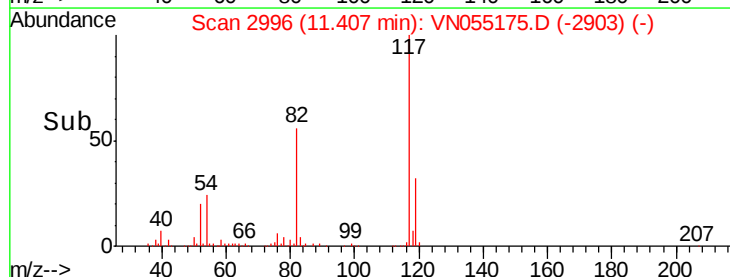
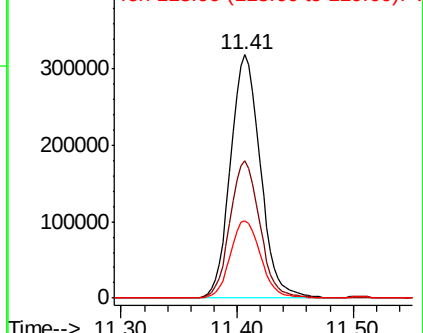
119 32.0 25.4 38.2

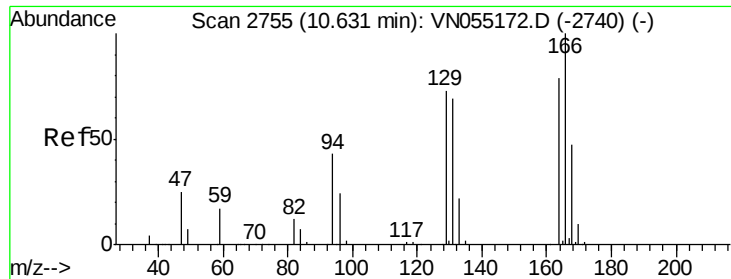


Abundance Ion 116.90 (116.60 to 117.60): VN055172.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN055172.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN055172.D (-2981) (-)

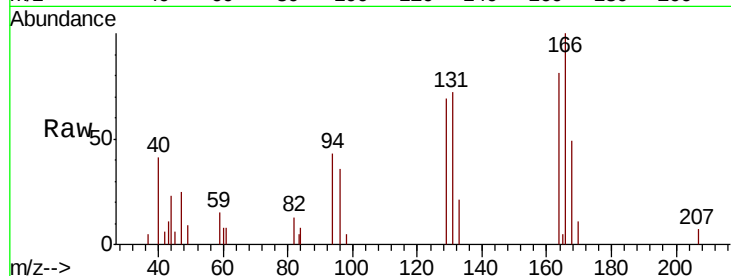




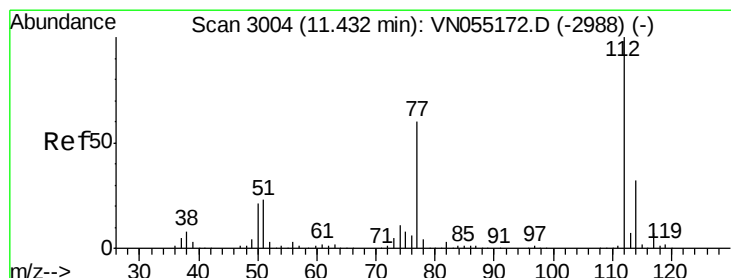
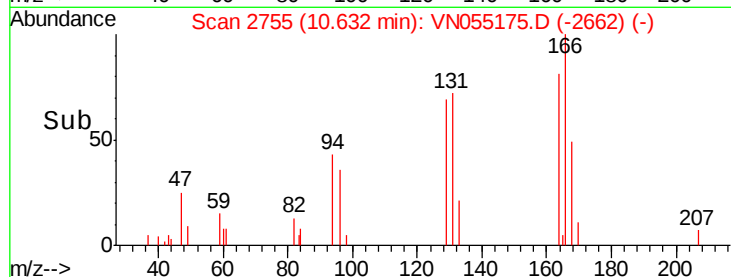
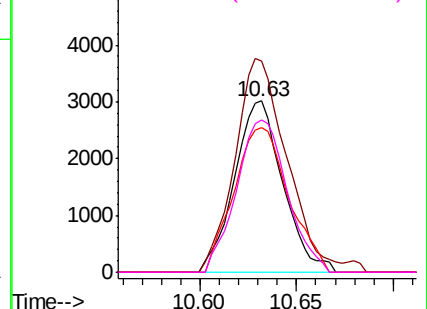
#64
Tetrachloroethene
Concen: 1.123 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:164 Resp: 5237
Ion Ratio Lower Upper
164 100
166 123.1 101.9 152.9
129 84.7 74.1 111.1
131 88.6 70.6 106.0

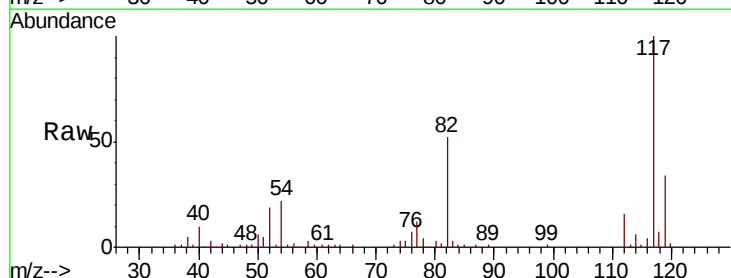


Abundance Ion 163.80 (163.50 to 164.50): V
Ion 165.80 (165.50 to 166.50): V
Ion 128.80 (128.50 to 129.50): V
Ion 130.80 (130.50 to 131.50): V

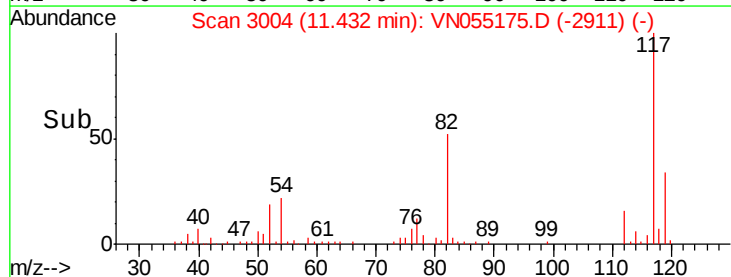
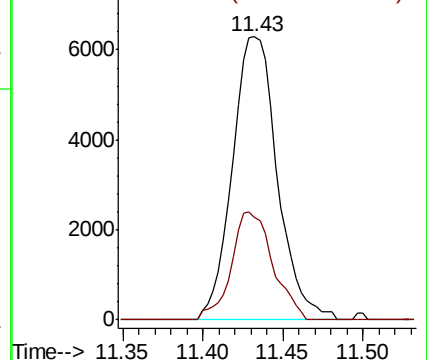


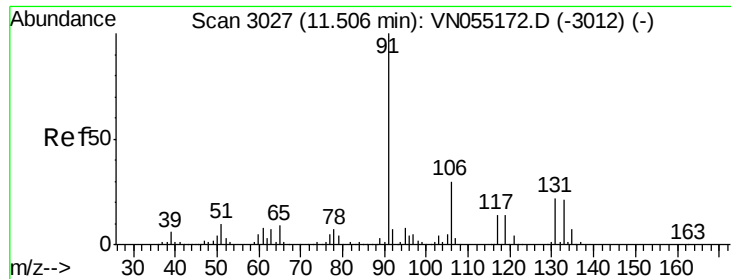
#65
Chlorobenzene
Concen: 1.036 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:112 Resp: 12082
Ion Ratio Lower Upper
112 100
114 36.2 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: 1.023 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

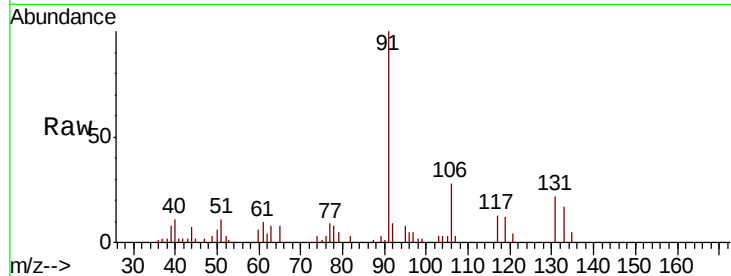
Tot Ion:131 Resp: 4422

Ion Ratio Lower Upper

131 100

133 93.6 47.7 143.1

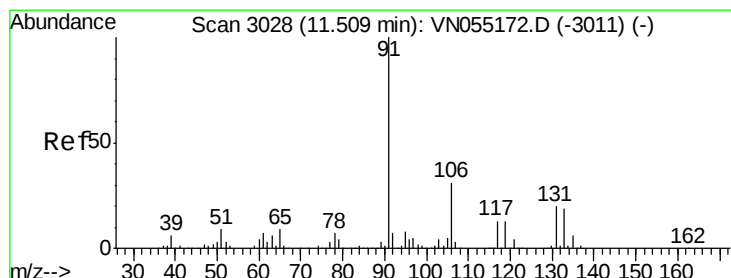
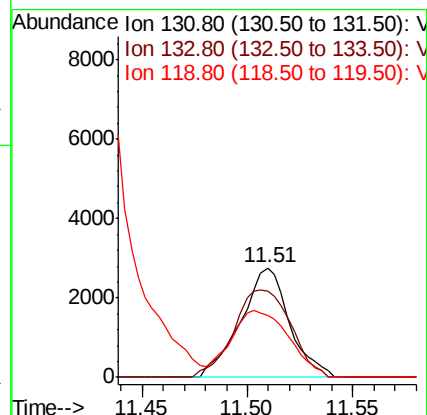
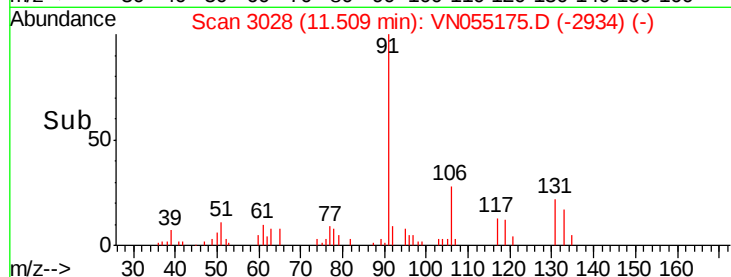
119 0.0 33.2 99.6#



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: 1.022 ug/l

RT: 11.51 min Scan# 3028

Delta R.T. 0.00 min

Lab File: VN055175.D

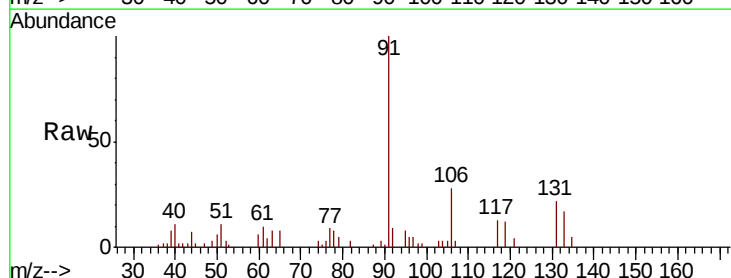
Acq: 22 Apr 2019 11:54

Tgt Ion: 91 Resp: 21245

Ion Ratio Lower Upper

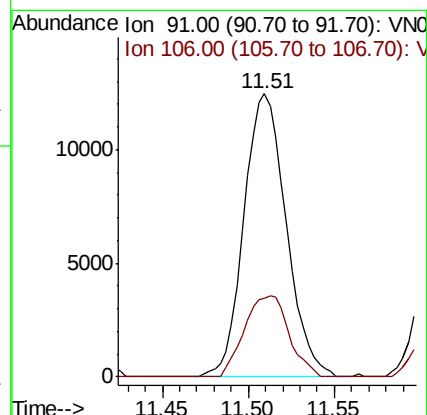
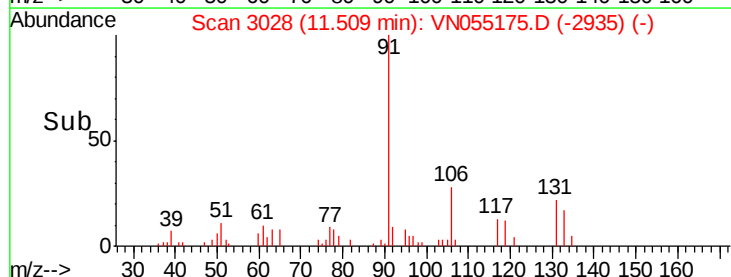
91 100

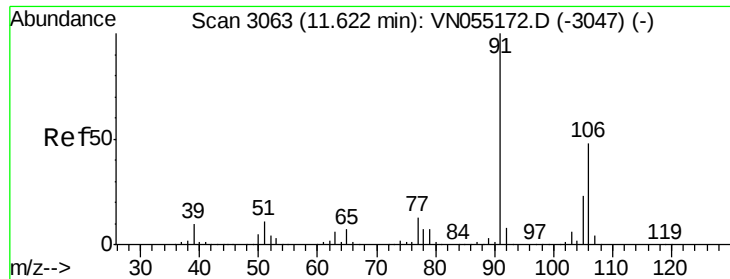
106 27.8 24.5 36.7



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V

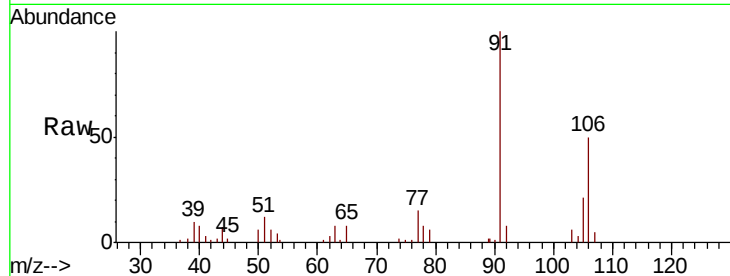




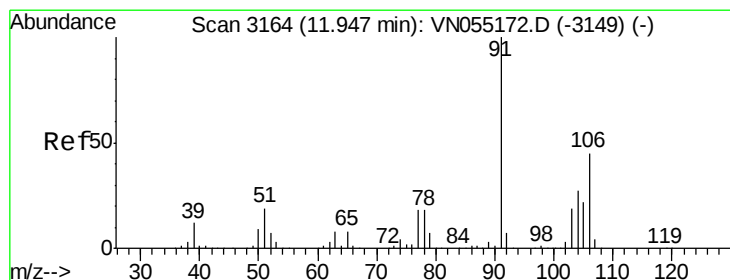
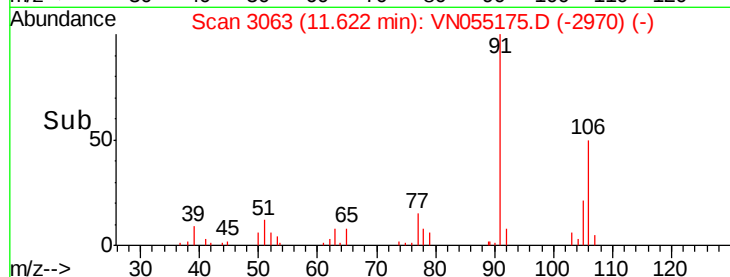
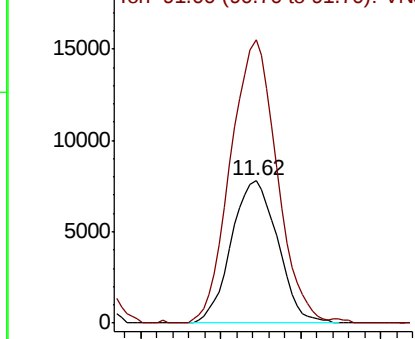
#68
m/p-Xylenes
Concen: 2.073 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 15448
Ion Ratio Lower Upper
106 100
91 199.2 167.1 250.7

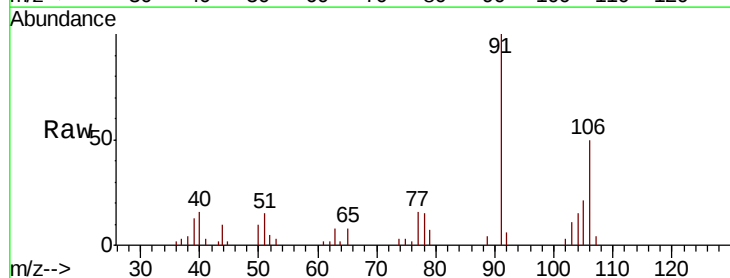


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

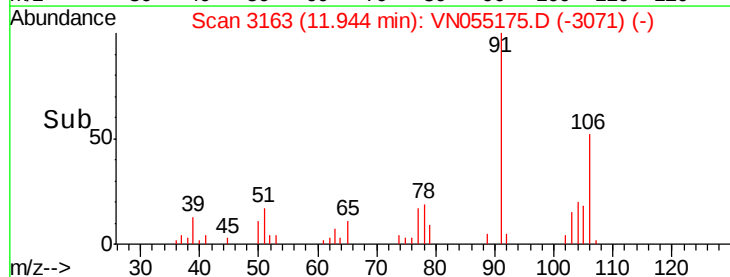
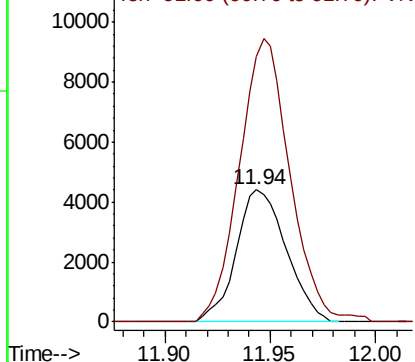


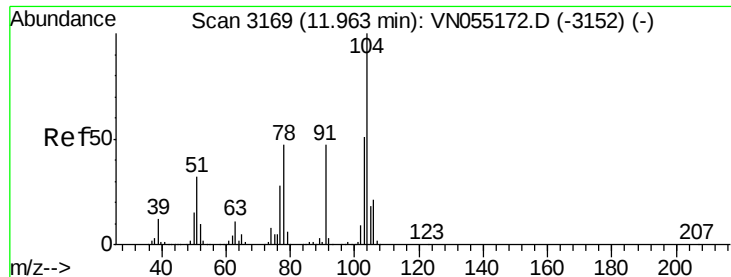
#69
o-Xylene
Concen: 0.983 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:106 Resp: 7272
Ion Ratio Lower Upper
106 100
91 217.1 110.6 331.8



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

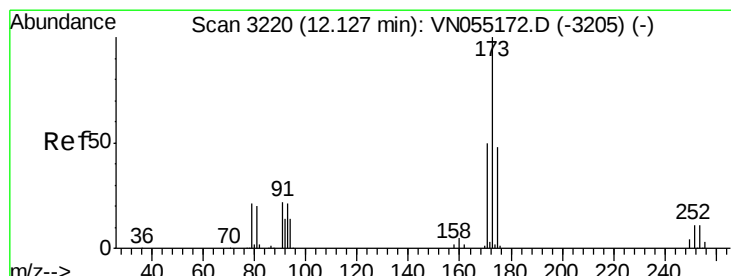
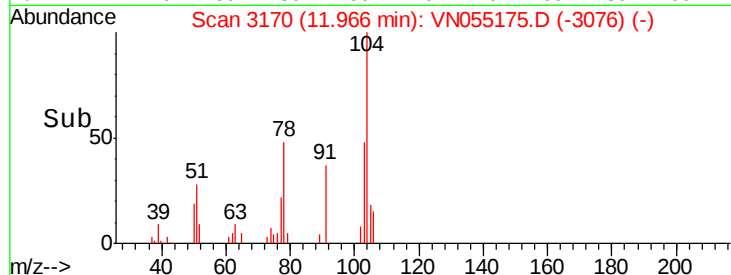
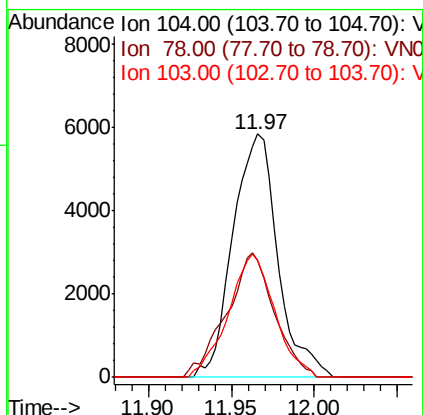
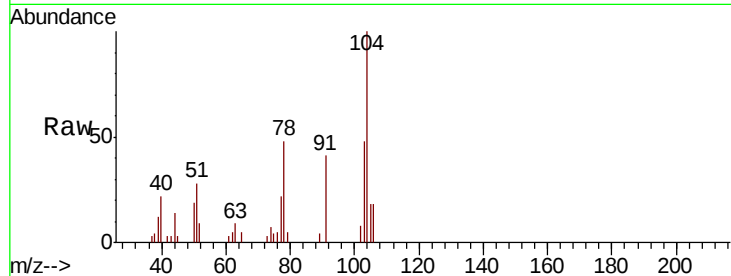




#70
Stvrene
Concen: 0.958 ug/l
RT: 11.97 min Scan# 3170
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

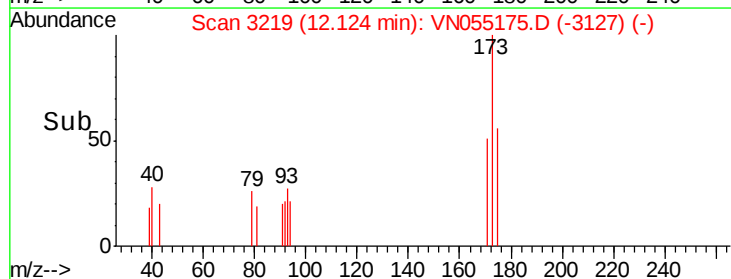
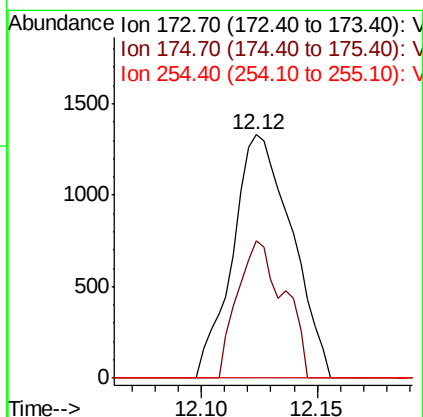
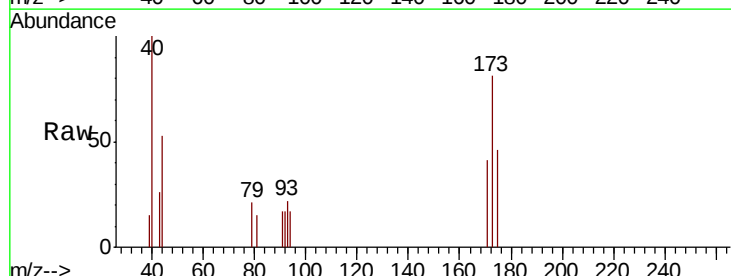
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

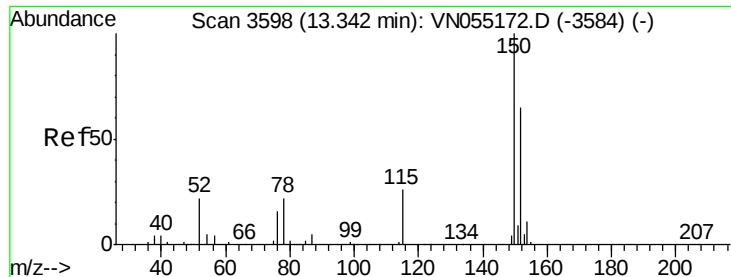
Tot Ion:104 Resp: 10981
Ion Ratio Lower Upper
104 100
78 54.7 41.3 61.9
103 52.5 44.2 66.4



#71
Bromoform
Concen: 0.914 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:173 Resp: 2357
Ion Ratio Lower Upper
173 100
175 44.3 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: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

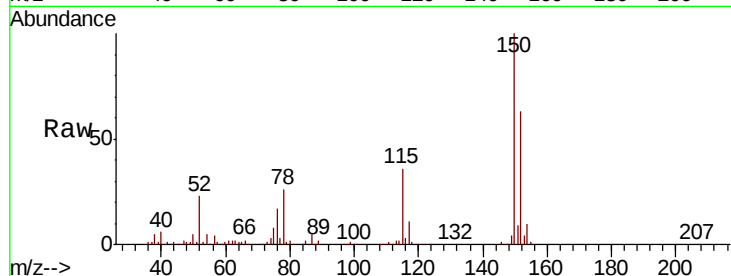
Tot Ion:152 Resp: 156782

Ion Ratio Lower Upper

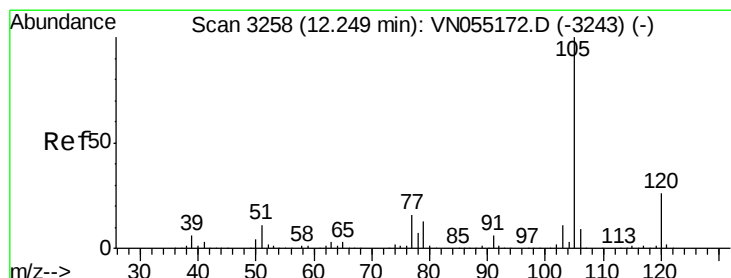
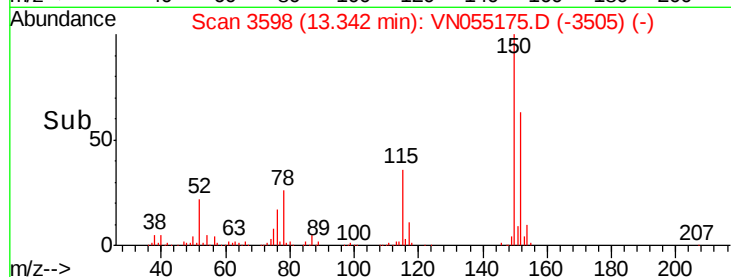
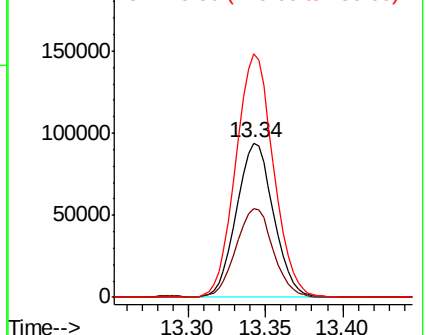
152 100

115 57.8 28.9 86.7

150 160.0 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: 1.303 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055175.D

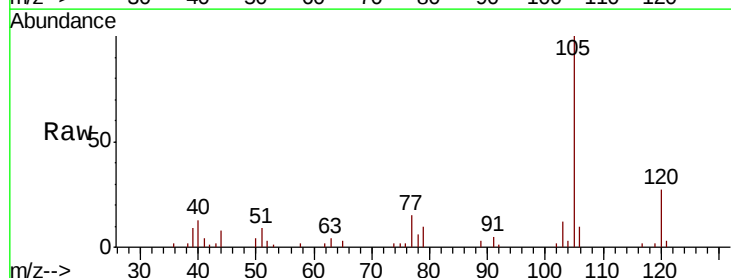
Acq: 22 Apr 2019 11:54

Tgt Ion:105 Resp: 19614

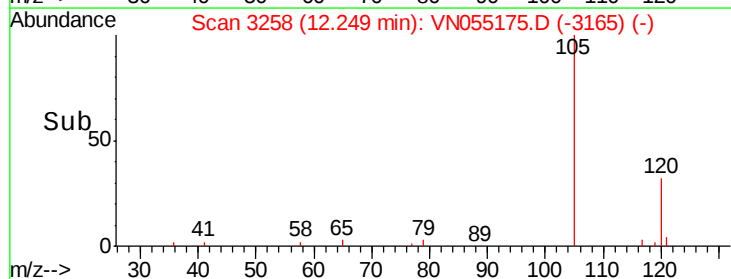
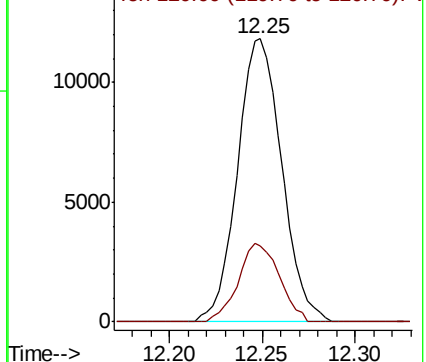
Ion Ratio Lower Upper

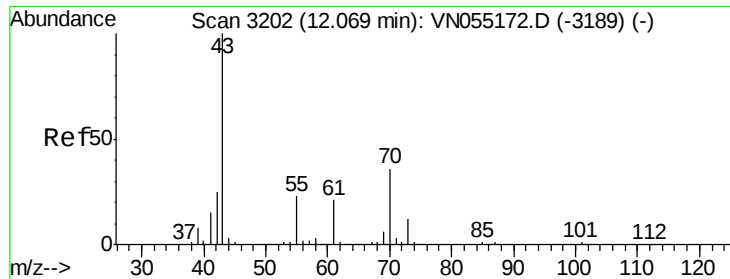
105 100

120 25.7 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: 1.518 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

Tot Ion: 43 Resp: 6136

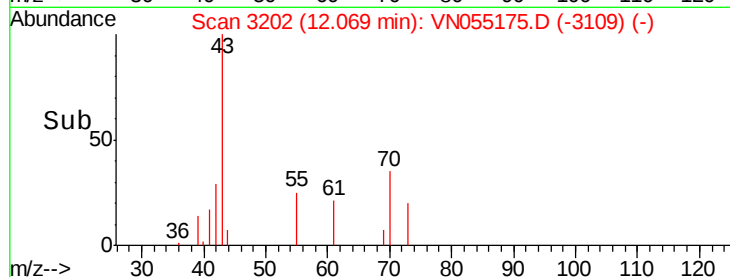
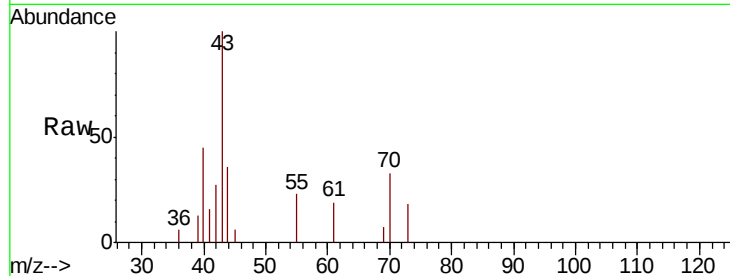
Ion Ratio Lower Upper

43 100

70 27.2 29.0 43.6#

55 19.8 18.5 27.7

61 16.8 17.0 25.4#

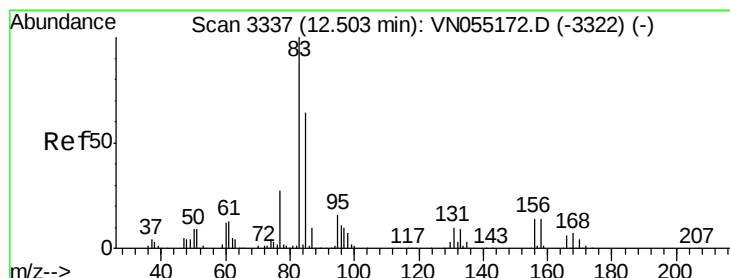
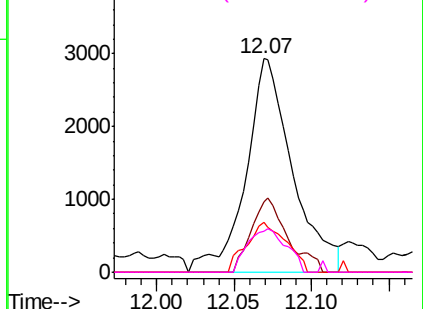


Abundance Ion 43.00 (42.70 to 43.70): VN0

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# 3336

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

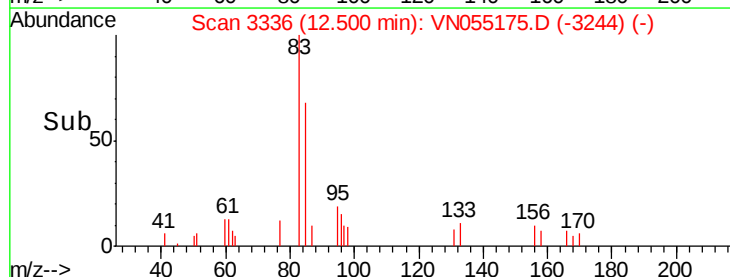
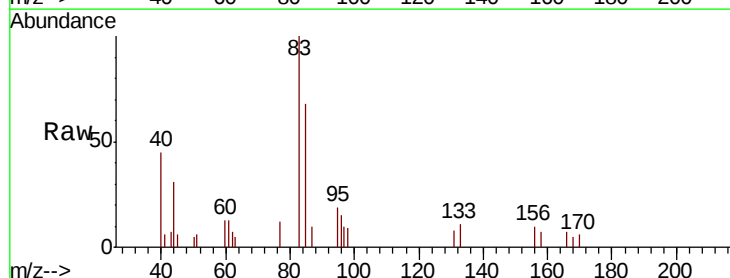
Tgt Ion: 83 Resp: 5585

Ion Ratio Lower Upper

83 100

131 7.5 5.0 15.0

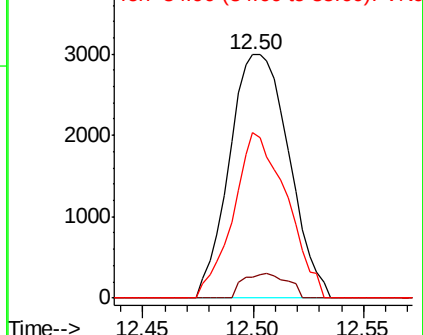
85 61.2 32.1 96.3

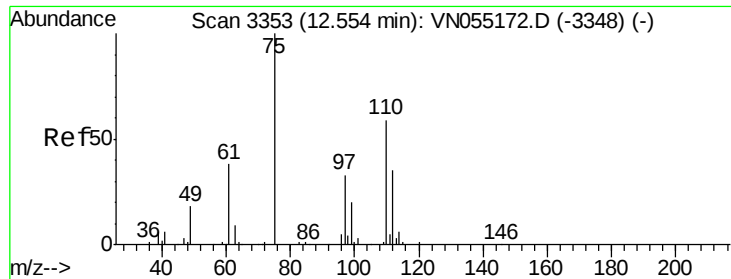


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VN0

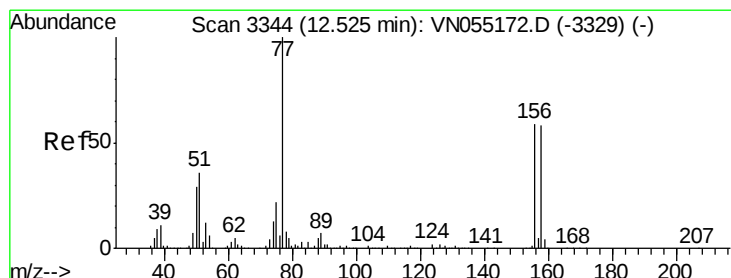
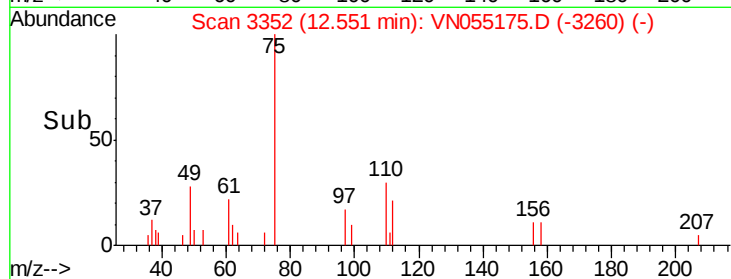
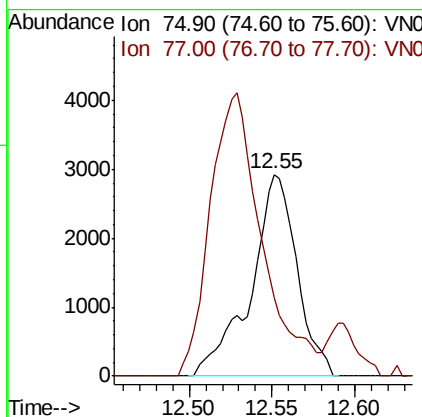
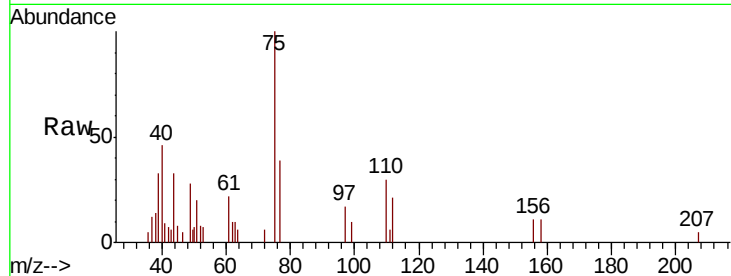




#76
 1,2,3-Trichloropropane
 Concen: 1.921 ug/l
 RT: 12.55 min Scan# 3352
 Delta R.T. -0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

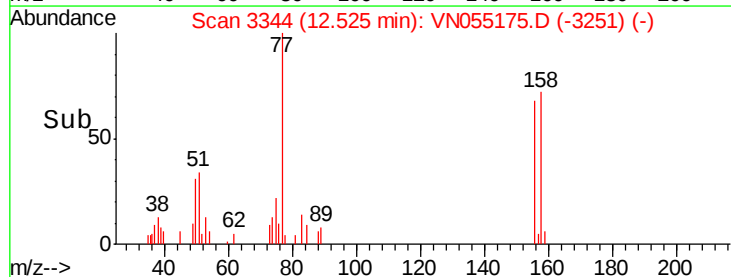
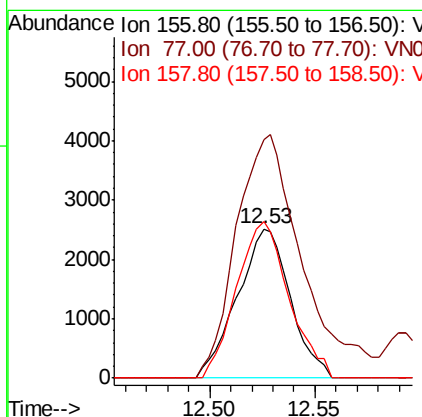
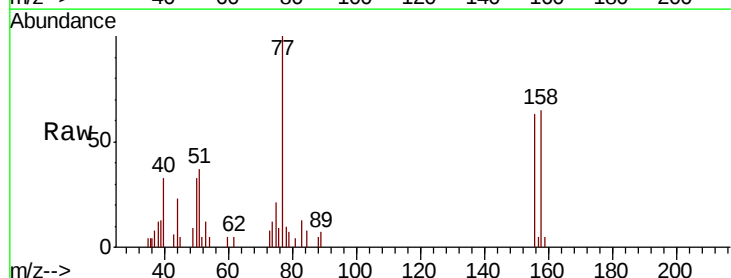
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

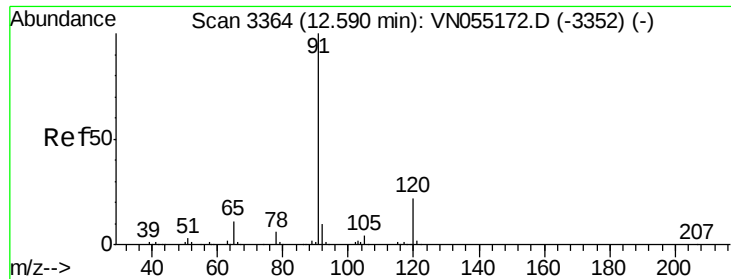
Tot Ion: 75 Resp: 5645
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0



#77
 Bromobenzene
 Concen: 1.266 ug/l
 RT: 12.53 min Scan# 3344
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 156 Resp: 4382
 Ion Ratio Lower Upper
 156 100
 77 202.8 98.0 293.9
 158 103.7 48.9 146.8





#78

n-propylbenzene

Concen: 1.238 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

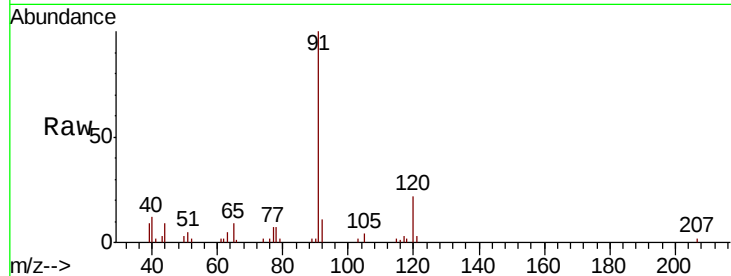
VSTDIC001

Tot Ion: 91 Resp: 19462

Ion Ratio Lower Upper

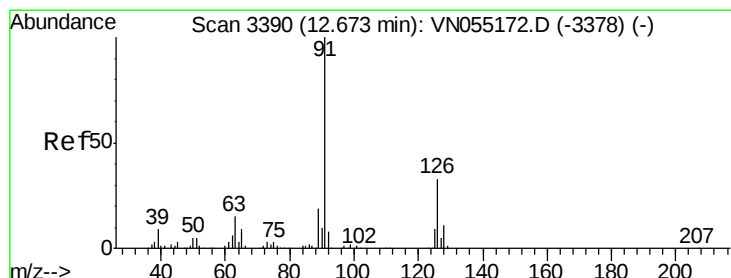
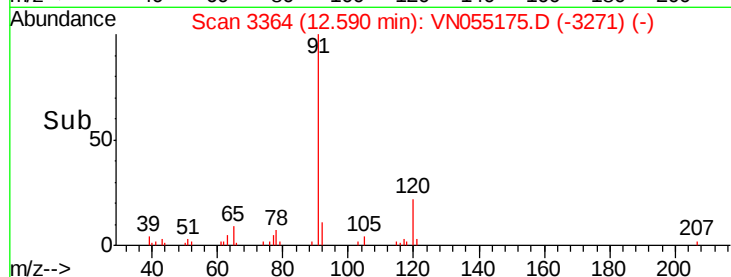
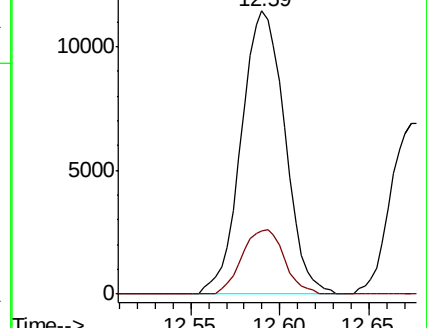
91 100

120 22.0 11.3 33.9



Abundance Ion 91.00 (90.70 to 91.70): VN055175.D (-3352) (-)

Ion 120.00 (119.70 to 120.70): VN055175.D (-3352) (-)



#79

2-Chlorotoluene

Concen: 1.228 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055175.D

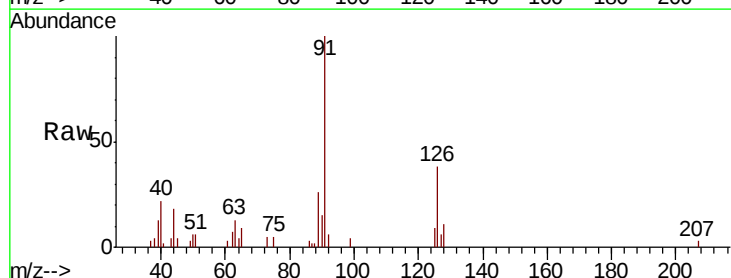
Acq: 22 Apr 2019 11:54

Tgt Ion: 91 Resp: 12188

Ion Ratio Lower Upper

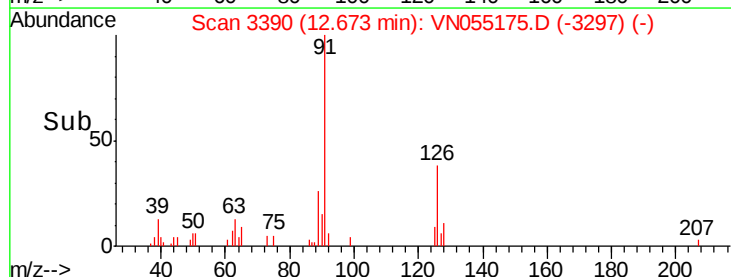
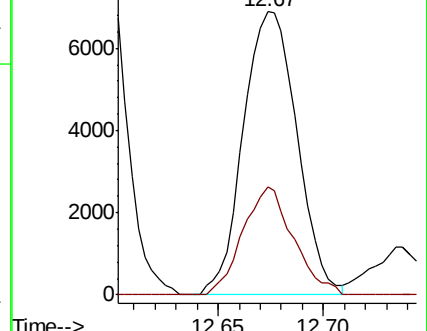
91 100

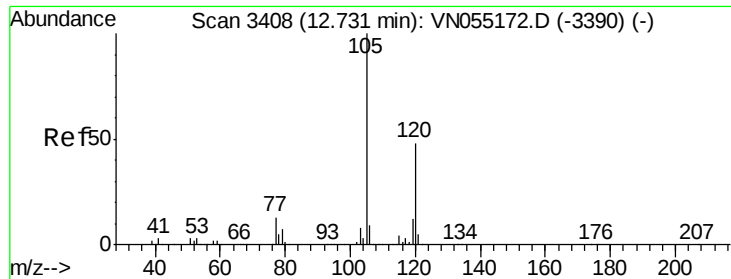
126 35.8 16.8 50.3



Abundance Ion 91.00 (90.70 to 91.70): VN055175.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055175.D (-3378) (-)

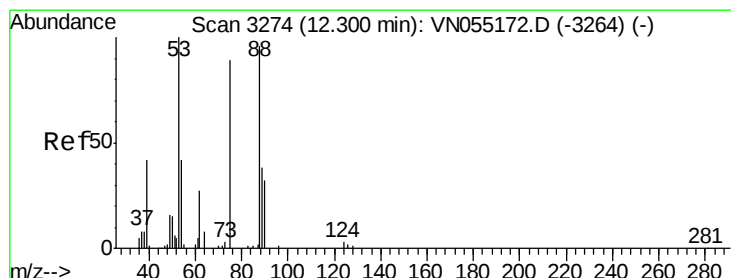
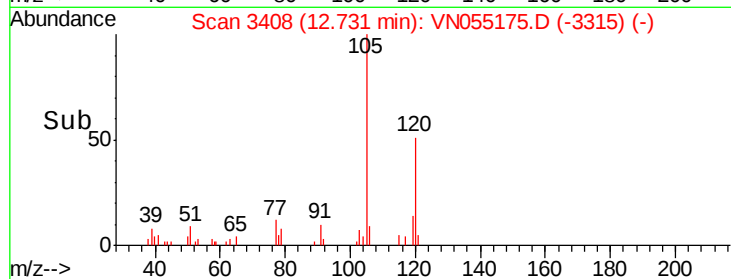
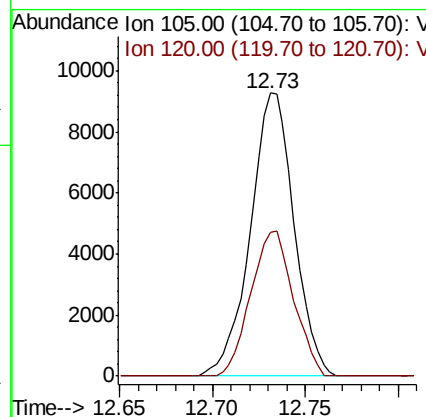
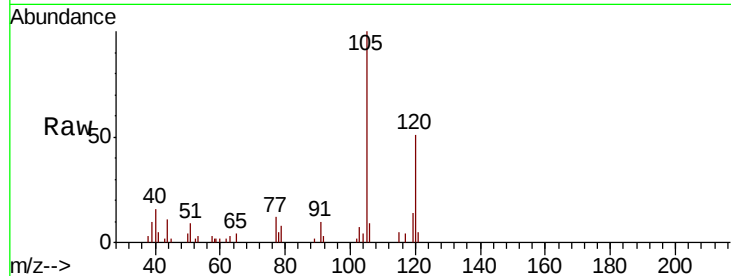




#80
 1,3,5-Trimethylbenzene
 Concen: 1.298 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

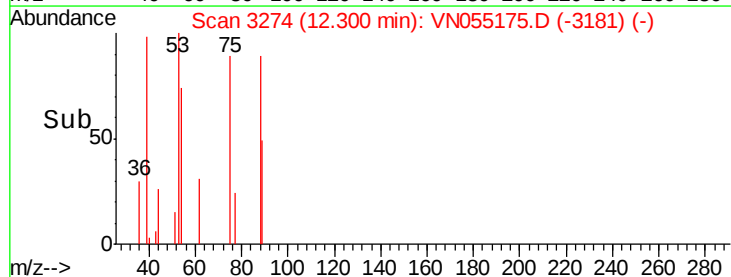
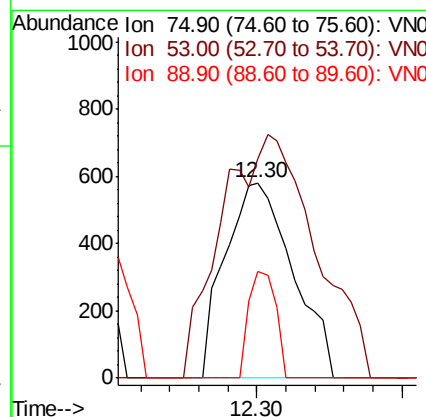
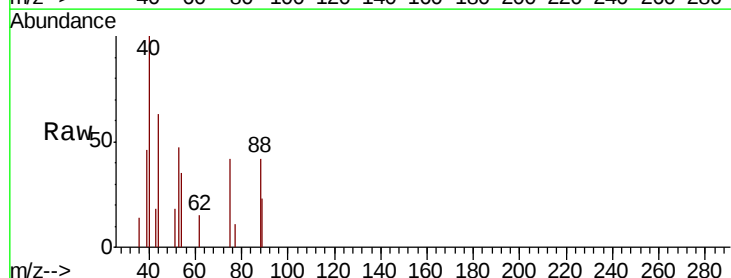
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

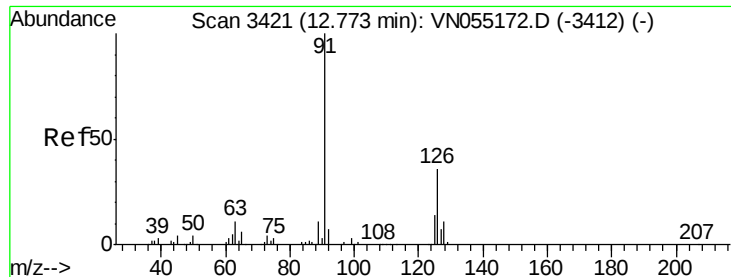
Tot Ion:105 Resp: 15239
 Ion Ratio Lower Upper
 105 100
 120 50.0 23.9 71.7



#81
 trans-1,4-Dichloro-2-butene
 Concen: 1.125 ug/l
 RT: 12.30 min Scan# 3274
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 75 Resp: 944
 Ion Ratio Lower Upper
 75 100
 53 173.3 90.1 135.1#
 89 21.7 36.7 55.1#





#82

4-Chlorotoluene

Concen: 1.234 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampled :

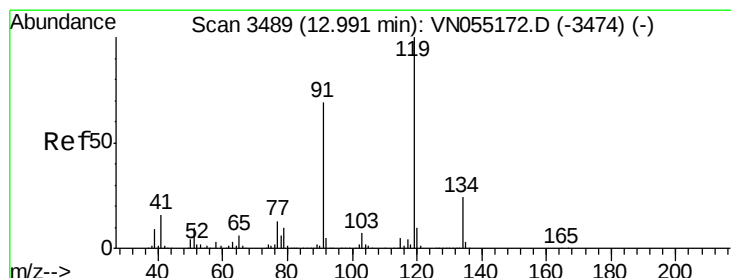
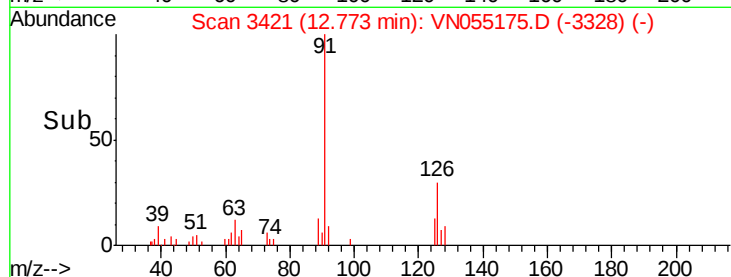
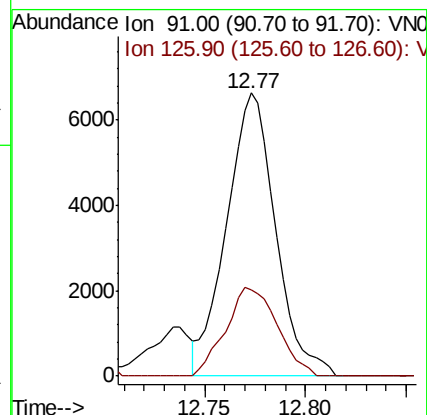
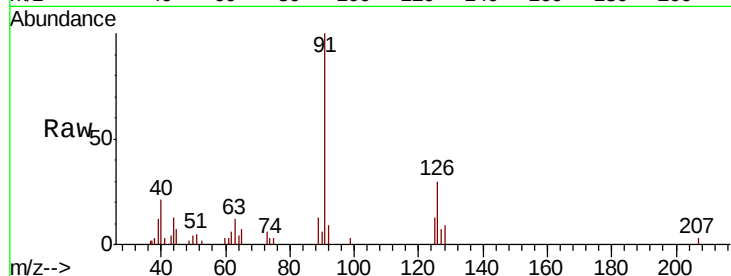
VSTDIC001

Tot Ion: 91 Resp: 11270

Ion Ratio Lower Upper

91 100

126 32.8 16.5 49.5



#83

tert-Butylbenzene

Concen: 1.226 ug/l

RT: 12.99 min Scan# 3490

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

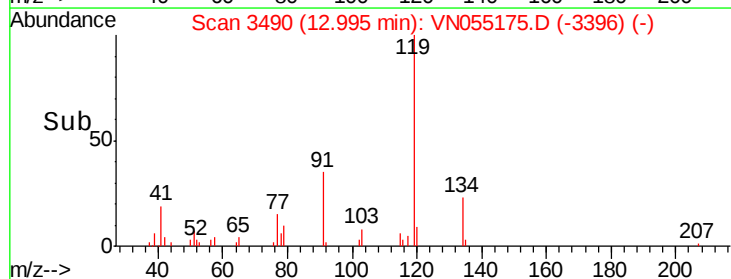
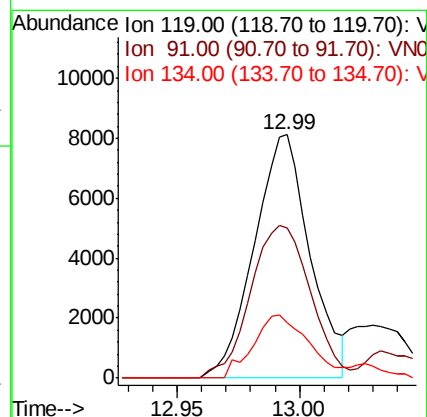
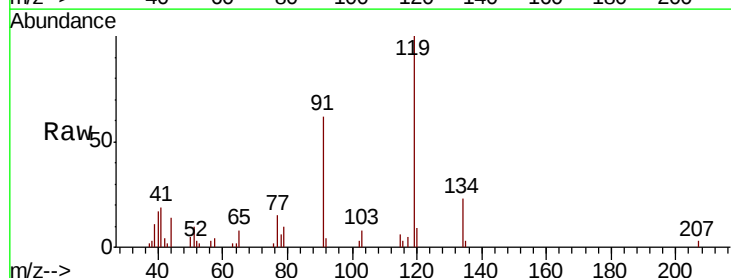
Tgt Ion: 119 Resp: 12872

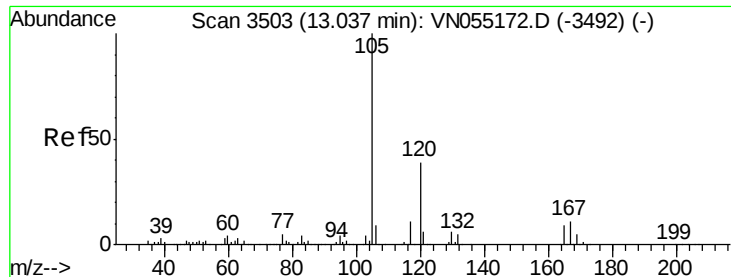
Ion Ratio Lower Upper

119 100

91 67.4 33.8 101.3

134 25.5 13.2 39.5

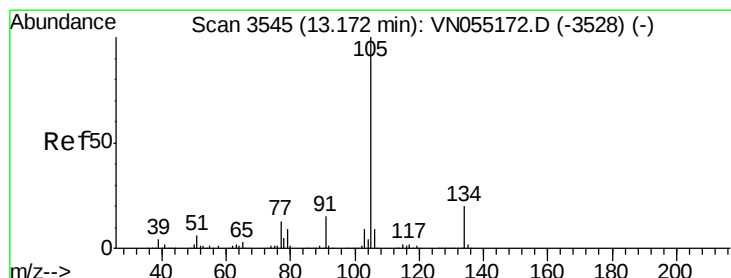
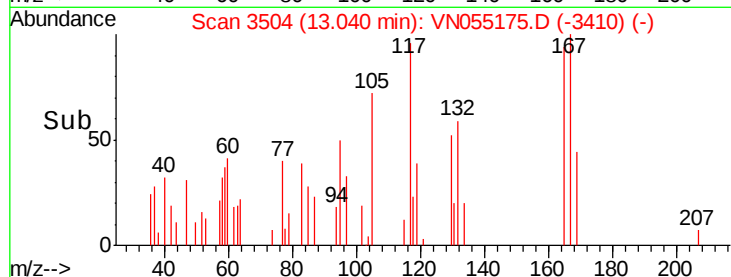
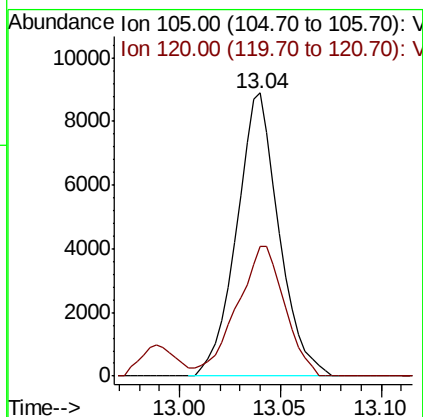
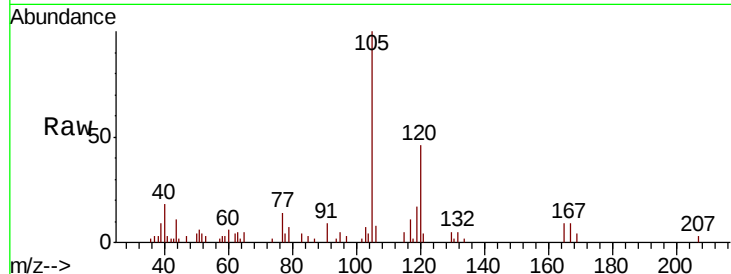




#84
1,2,4-Trimethylbenzene
Concen: 1.177 ug/l
RT: 13.04 min Scan# 3504
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

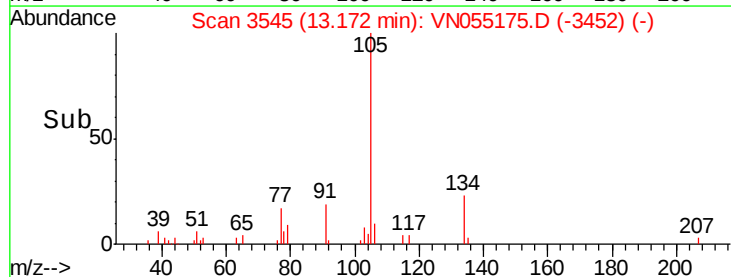
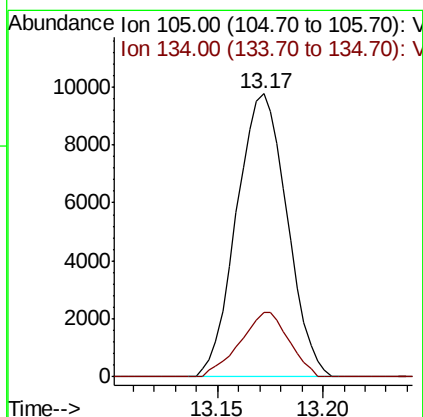
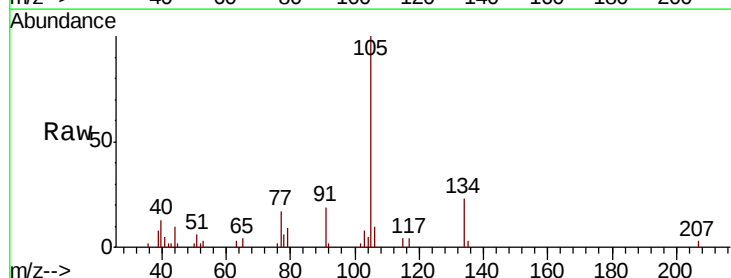
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

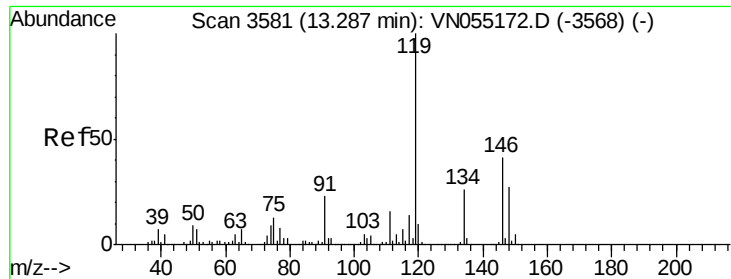
Tot Ion:105 Resp: 13036
Ion Ratio Lower Upper
105 100
120 51.9 22.7 68.1



#85
sec-Butylbenzene
Concen: 1.223 ug/l
RT: 13.17 min Scan# 3545
Delta R.T. 0.00 min
Lab File: VN055175.D
Acq: 22 Apr 2019 11:54

Tgt Ion:105 Resp: 16234
Ion Ratio Lower Upper
105 100
134 22.1 10.0 30.0

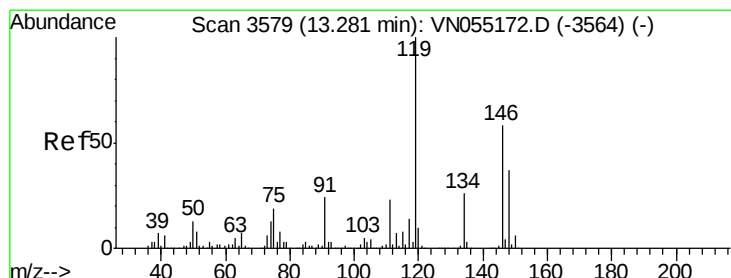
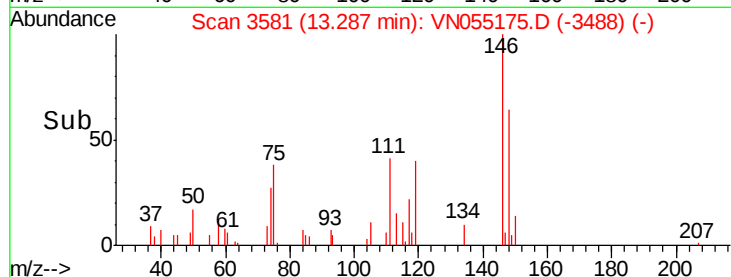
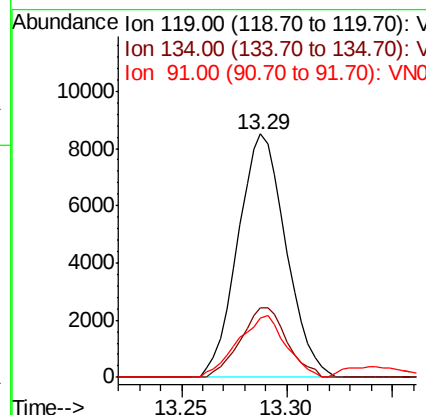
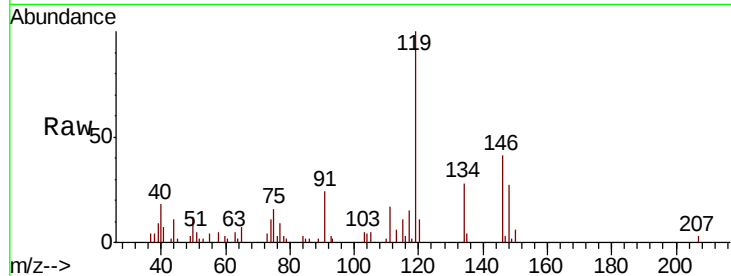




#86
 p-Isopropyltoluene
 Concen: 1.231 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

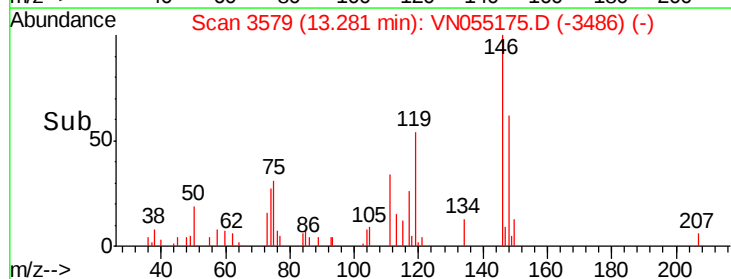
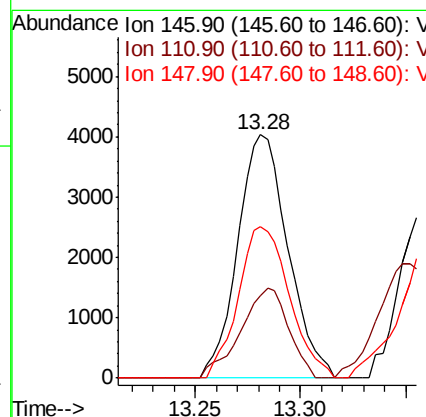
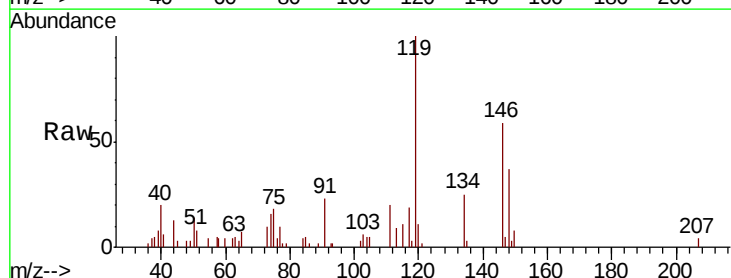
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

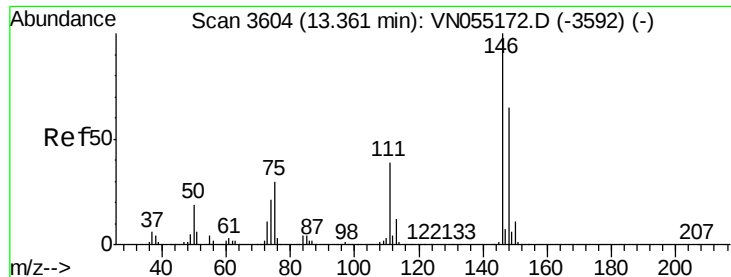
Tot Ion	Ratio	Lower	Upper
119	100		
134	27.6	13.1	39.3
91	25.5	11.8	35.3



#87
 1,3-Dichlorobenzene
 Concen: 1.256 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion	Ratio	Lower	Upper
146	100		
111	35.3	19.7	59.1
148	63.5	32.0	96.0

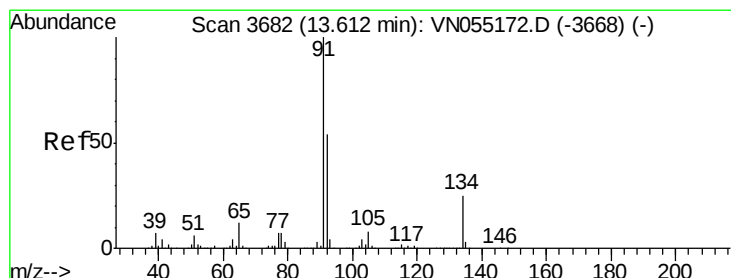
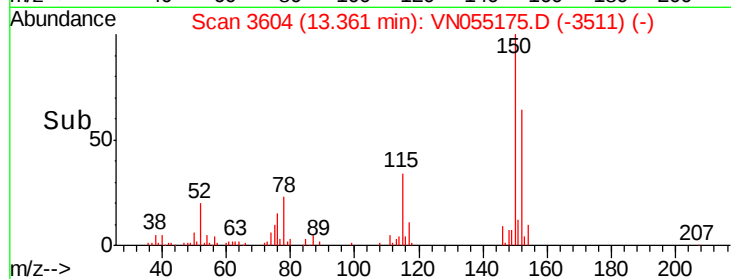
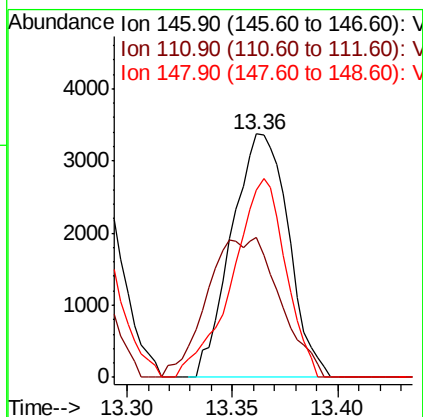
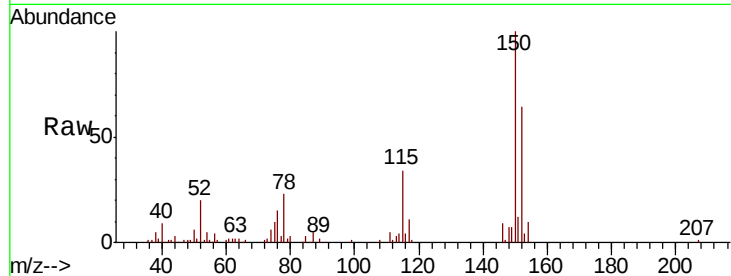




#88
 1,4-Dichlorobenzene
 Concen: 1.221 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

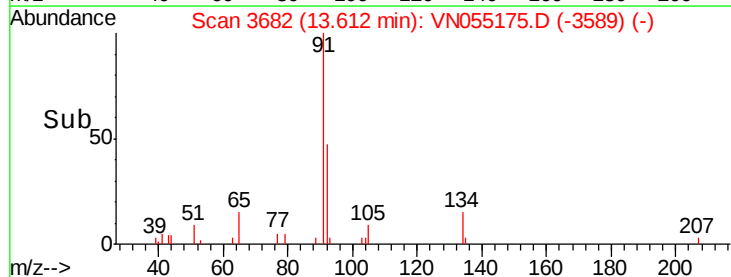
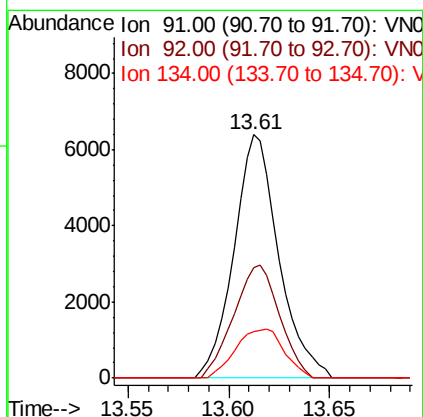
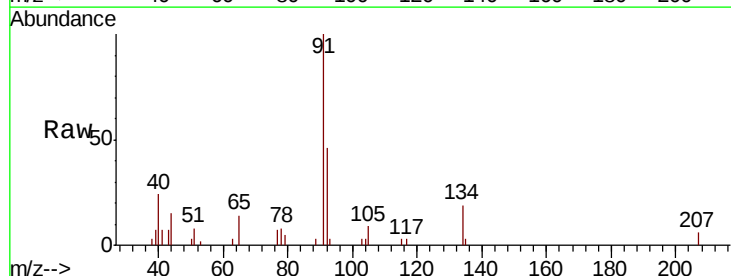
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

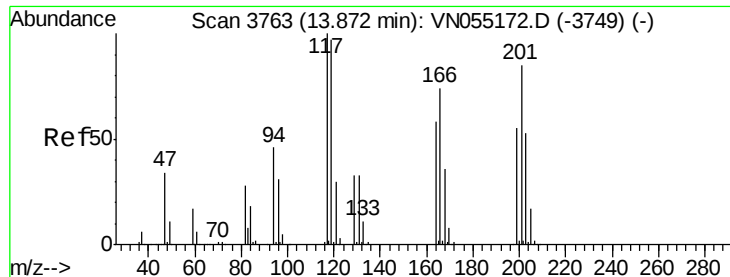
Tot Ion:146 Resp: 6317
 Ion Ratio Lower Upper
 146 100
 111 38.9 19.4 58.2
 148 76.7 32.9 98.6



#89
 n-Butylbenzene
 Concen: 1.223 ug/l
 RT: 13.61 min Scan# 3682
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Tgt Ion: 91 Resp: 9917
 Ion Ratio Lower Upper
 91 100
 92 47.7 26.4 79.2
 134 21.8 12.8 38.4





#90

Hexachloroethane

Concen: 1.393 ug/l

RT: 13.87 min Scan# 3762

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

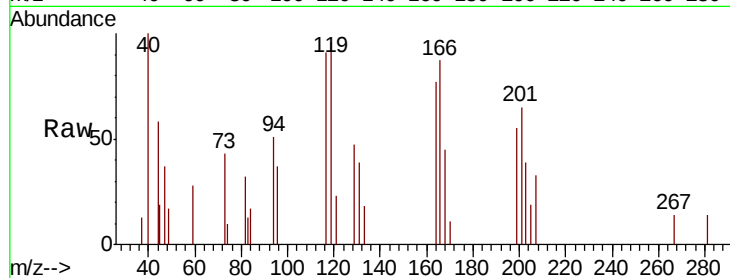
VSTDIC001

Tot Ion:117 Resp: 2702

Ion Ratio Lower Upper

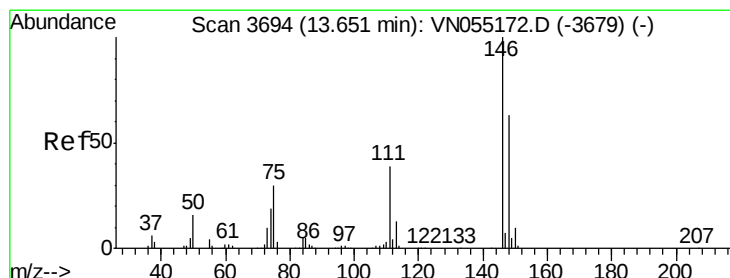
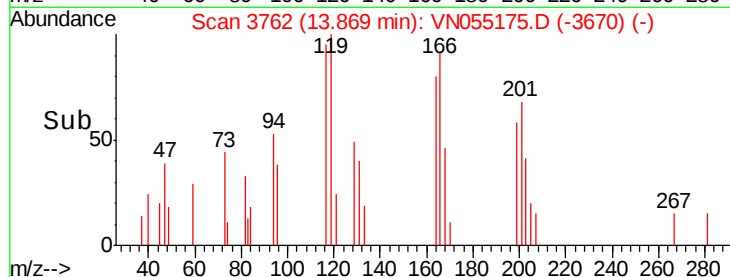
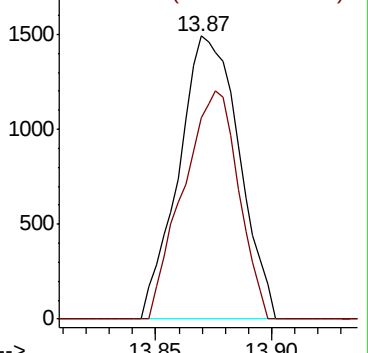
117 100

201 74.0 43.1 129.4



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 1.238 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

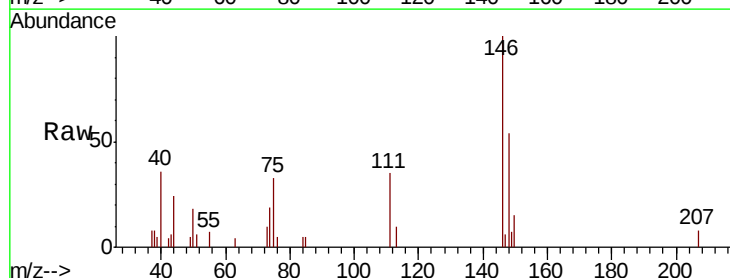
Tgt Ion:146 Resp: 6756

Ion Ratio Lower Upper

146 100

111 39.3 19.8 59.3

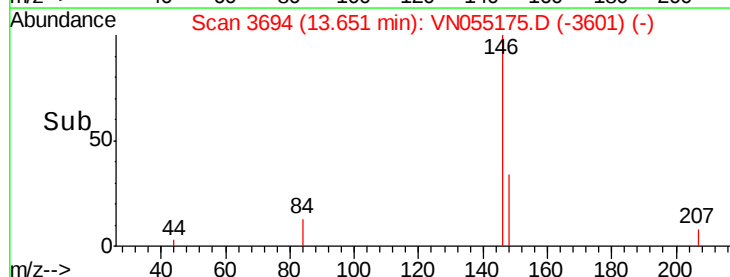
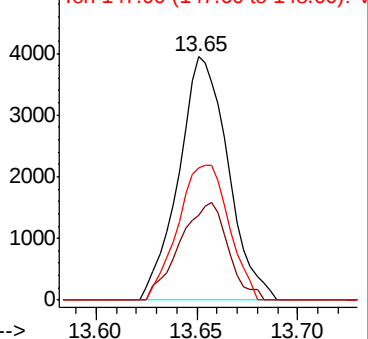
148 57.2 31.7 95.1

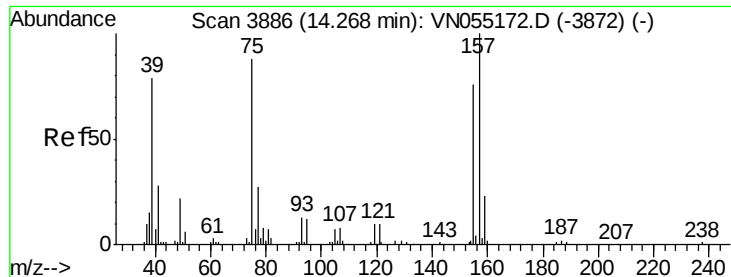


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#92

1,2-Dibromo-3-Chloropropane

Concen: 1.319 ug/l

RT: 14.27 min Scan# 3886

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

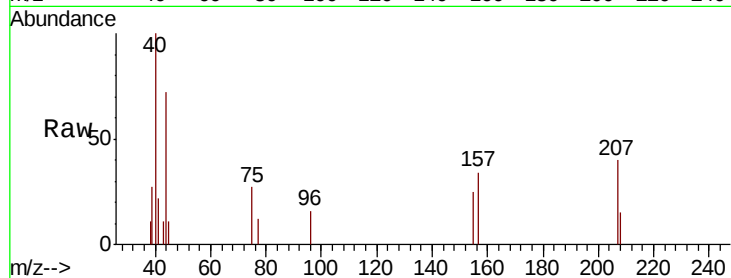
Tot Ion: 75 Resp: 628

Ion Ratio Lower Upper

75 100

155 72.3 43.0 129.0

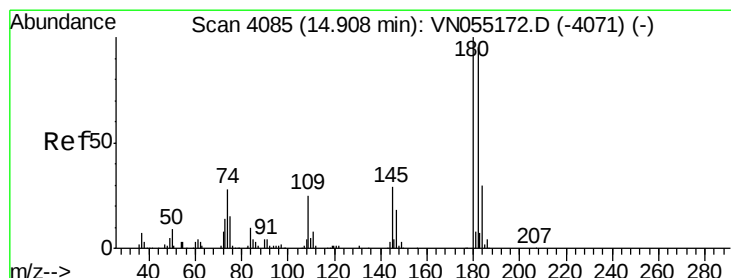
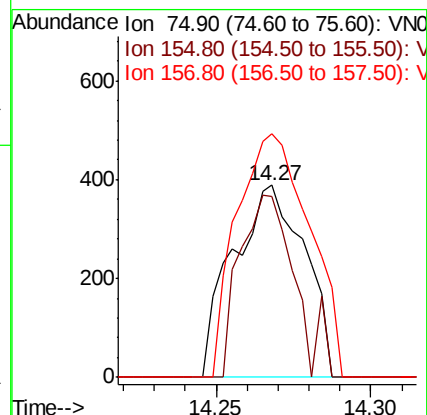
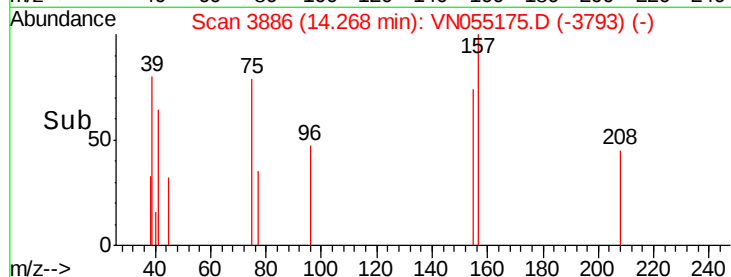
157 128.5 55.7 167.1



Abundance Ion 74.90 (74.60 to 75.60): VN055175.D (-3793) (-)

Ion 154.80 (154.50 to 155.50): VN055175.D (-3793) (-)

Ion 156.80 (156.50 to 157.50): VN055175.D (-3793) (-)



#93

1,2,4-Trichlorobenzene

Concen: 1.511 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

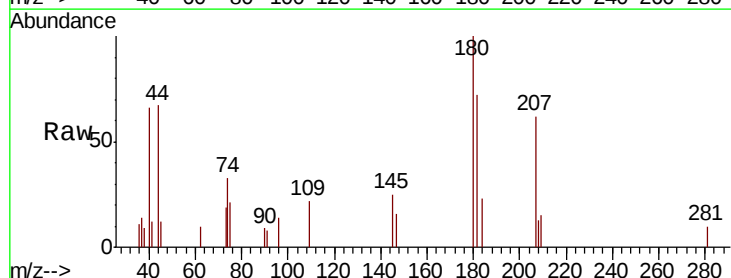
Tgt Ion: 180 Resp: 2912

Ion Ratio Lower Upper

180 100

182 84.1 47.8 143.4

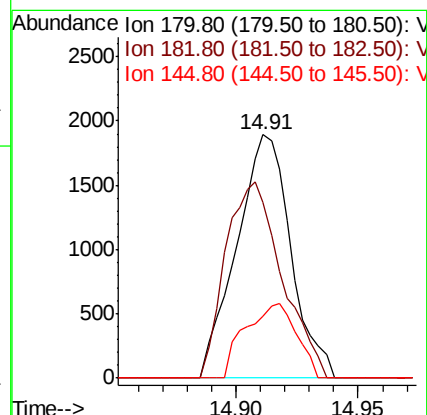
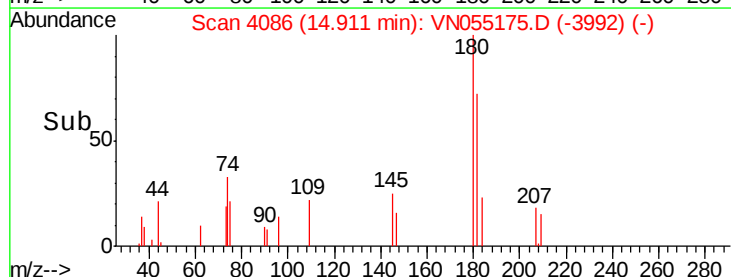
145 29.0 14.5 43.5

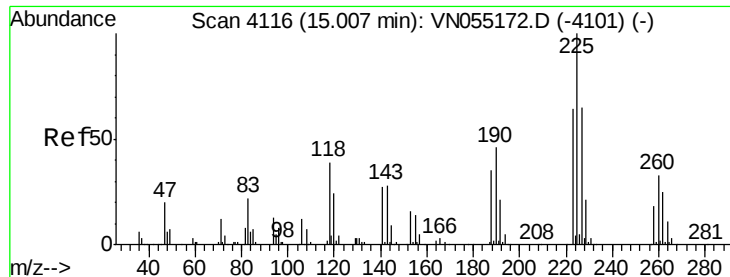


Abundance Ion 179.80 (179.50 to 180.50): VN055175.D (-3992) (-)

Ion 181.80 (181.50 to 182.50): VN055175.D (-3992) (-)

Ion 144.80 (144.50 to 145.50): VN055175.D (-3992) (-)





#94

Hexachlorobutadiene

Concen: 1.645 ug/l

RT: 15.00 min Scan# 4115

Delta R.T. -0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

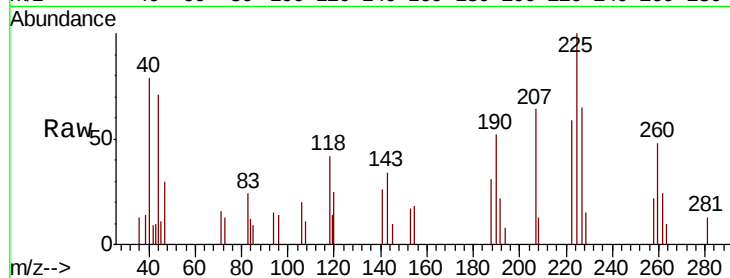
Tot Ion:225 Resp: 3212

Ion Ratio Lower Upper

225 100

223 62.1 32.2 96.6

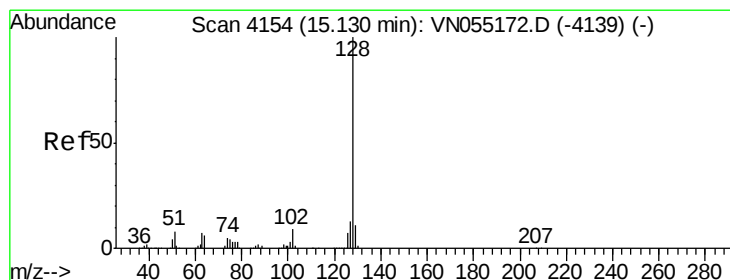
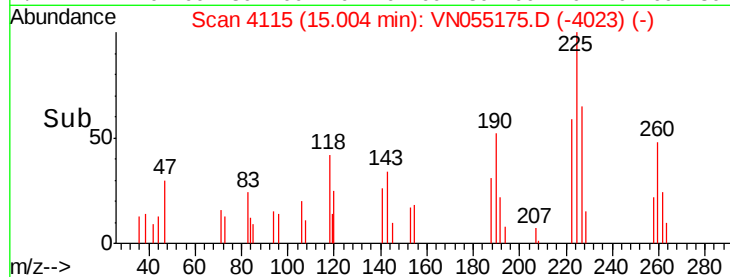
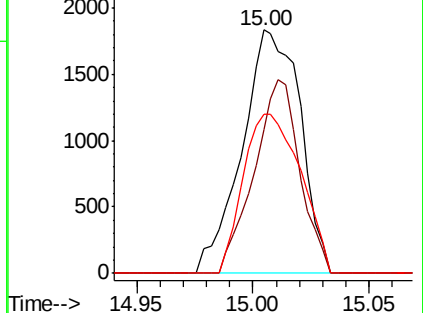
227 64.1 32.6 98.0



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: 1.725 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN055175.D

Acq: 22 Apr 2019 11:54

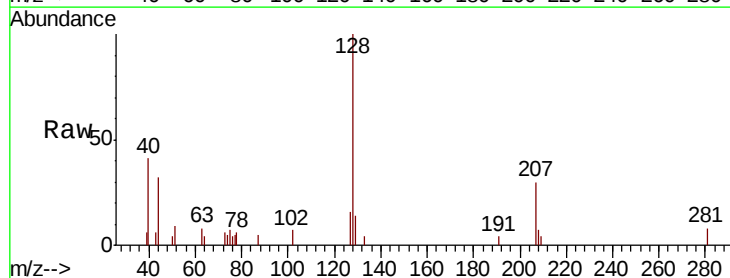
Tgt Ion:128 Resp: 7022

Ion Ratio Lower Upper

128 100

127 11.7 10.3 15.5

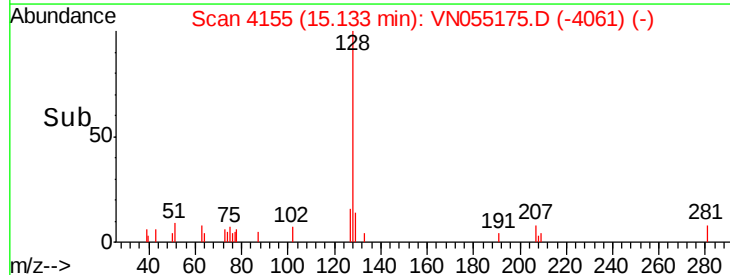
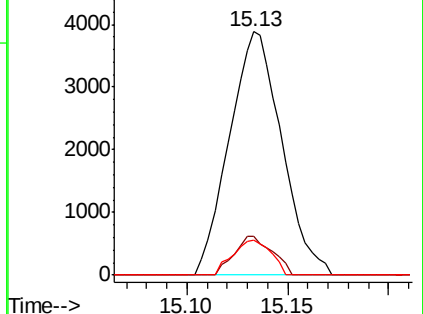
129 10.5 8.8 13.2

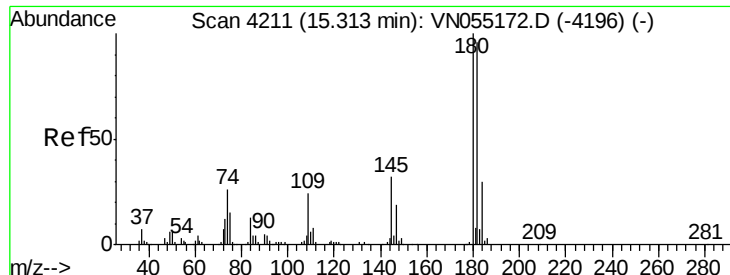


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 1.691 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN055175.D
 Acq: 22 Apr 2019 11:54

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.2	141.6
145	27.9	15.4	46.1

