

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
 Data File : VN055282.D
 Acq On : 29 Apr 2019 9:50
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: Apr 30 03:45:27 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N042919W.M
 Quant Title : SW846 8260
 QLast Update : Tue Apr 30 03:41:42 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	412918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	661645	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	548629	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	140666	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	8410	1.51	ug/l	0.00
Spiked Amount			Recovery	=	3.02%	
35) Dibromofluoromethane	7.59	113	5450	1.23	ug/l	0.00
Spiked Amount			Recovery	=	2.46%	
50) Toluene-d8	10.09	98	20688	1.26	ug/l	0.00
Spiked Amount			Recovery	=	2.52%	
62) 4-Bromofluorobenzene	12.40	95	6948	1.34	ug/l	0.00
Spiked Amount			Recovery	=	2.68%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.85	85	4772	0.911	ug/l	96
3) Chloromethane	2.06	50	6830	1.065	ug/l	92
4) Vinyl Chloride	2.19	62	5898	1.148	ug/l	99
5) Bromomethane	2.55	94	3121	1.041	ug/l #	78
6) Chloroethane	2.70	64	3245	1.189	ug/l #	85
7) Trichlorofluoromethane	3.02	101	7948	1.128	ug/l	99
8) Diethyl Ether	3.41	74	2910	1.158	ug/l	85
9) 1,1,2-Trichlorotrifluoroet	3.76	101	4772	1.086	ug/l	95
10) Methyl Iodide	3.95	142	5445	0.889	ug/l #	91
11) Tert butyl alcohol	4.77	59	390	1.207	ug/l #	73
12) 1,1-Dichloroethene	3.74	96	4620	1.102	ug/l	91
13) Acrolein	3.62	56	1284	3.196	ug/l #	67
14) Allyl chloride	4.33	41	9304	1.112	ug/l #	84
15) Acrylonitrile	5.00	53	8607	4.846	ug/l #	83
16) Acetone	3.82	43	9756	5.512	ug/l	97
17) Carbon Disulfide	4.05	76	11327	0.976	ug/l	99
18) Methyl Acetate	4.33	43	7781	1.543	ug/l #	73
19) Methyl tert-butyl Ether	5.04	73	6278	0.536	ug/l	91
20) Methylene Chloride	4.55	84	6338	1.203	ug/l #	95
21) trans-1,2-Dichloroethene	5.05	96	4600	1.046	ug/l	86
22) Diisopropyl ether	5.96	45	17643	1.054	ug/l #	91
23) Vinyl Acetate	5.90	43	50070	4.482	ug/l	98
24) 1,1-Dichloroethane	5.85	63	9673	1.081	ug/l #	96
25) 2-Butanone	6.86	43	10831	4.632	ug/l	92
26) 2,2-Dichloropropane	6.82	77	4529	0.744	ug/l #	76
27) cis-1,2-Dichloroethene	6.83	96	4772	0.937	ug/l	89
28) Bromochloromethane	7.20	49	4934	1.081	ug/l #	95
29) Tetrahydrofuran	7.23	42	6359	4.372	ug/l	95
30) Chloroform	7.37	83	9294	1.091	ug/l	86
31) Cyclohexane	7.66	56	16677	1.628	ug/l #	31
32) 1,1,1-Trichloroethane	7.57	97	7653	1.120	ug/l #	52
36) 1,1-Dichloropropene	7.79	75	7753	1.279	ug/l #	80
37) Ethyl Acetate	6.86	43	10831	2.213	ug/l #	71
38) Carbon Tetrachloride	7.78	117	7590	1.328	ug/l	88

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	6933	0.961	ug/l	91
40) Benzene	8.05	78	19771	1.051	ug/l	99
41) Methacrylonitrile	7.18	41	3285	1.277	ug/l #	55
42) 1,2-Dichloroethane	8.12	62	7059	1.075	ug/l	98
43) Isopropyl Acetate	8.17	43	7863	0.987	ug/l #	66
44) Trichloroethene	8.83	130	5567	1.173	ug/l	97
45) 1,2-Dichloropropane	9.12	63	6155	1.156	ug/l #	76
46) Dibromomethane	9.21	93	3117	1.028	ug/l	95
47) Bromodichloromethane	9.40	83	6710	1.100	ug/l #	90
48) Methyl methacrylate	9.20	41	4181	1.076	ug/l #	80
49) 1,4-Dioxane	9.20	88	696	15.881	ug/l #	36
51) 4-Methyl-2-Pentanone	9.98	43	21081	4.601	ug/l	100
52) Toluene	10.15	92	10742	0.979	ug/l	95
53) t-1,3-Dichloropropene	10.38	75	5132	0.917	ug/l	91
54) cis-1,3-Dichloropropene	9.84	75	6423	0.925	ug/l #	90
55) 1,1,2-Trichloroethane	10.56	97	4145	1.018	ug/l	95
56) Ethyl methacrylate	10.43	69	4174	0.826	ug/l #	78
57) 1,3-Dichloropropane	10.71	76	7153	1.011	ug/l	94
58) 2-Chloroethyl Vinyl ether	9.69	63	5640	3.615	ug/l	99
59) 2-Hexanone	10.75	43	13948	4.877	ug/l	86
60) Dibromochloromethane	10.90	129	3936	0.938	ug/l	97
61) 1,2-Dibromoethane	11.00	107	3710	0.974	ug/l	91
64) Tetrachloroethene	10.63	164	5121	1.153	ug/l	97
65) Chlorobenzene	11.43	112	11331	1.021	ug/l	100
66) 1,1,1,2-Tetrachloroethane	11.51	131	4669	1.130	ug/l #	58
67) Ethyl Benzene	11.51	91	19469	0.984	ug/l	91
68) m/p-Xylenes	11.62	106	13584	1.921	ug/l	95
69) o-Xylene	11.94	106	6896	0.981	ug/l	98
70) Styrene	11.96	104	9343	0.860	ug/l	96
71) Bromoform	12.12	173	2143	0.877	ug/l #	70
73) Isopropylbenzene	12.25	105	17718	1.308	ug/l	99
74) N-amyl acetate	12.07	43	3887	1.073	ug/l #	95
75) 1,1,2,2-Tetrachloroethane	12.51	83	4895	1.370	ug/l	94
76) 1,2,3-Trichloropropane	12.55	75	5034	1.743	ug/l #	100
77) Bromobenzene	12.53	156	3798	1.226	ug/l	89
78) n-propylbenzene	12.59	91	16101	1.139	ug/l	100
79) 2-Chlorotoluene	12.67	91	11282	1.264	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	13111	1.245	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.31	75	638	0.846	ug/l #	35
82) 4-Chlorotoluene	12.77	91	9905	1.212	ug/l	100
83) tert-Butylbenzene	12.99	119	13119	1.391	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	10502	1.058	ug/l	98
85) sec-Butylbenzene	13.17	105	13656	1.145	ug/l	99
86) p-Isopropyltoluene	13.29	119	11006	1.122	ug/l	98
87) 1,3-Dichlorobenzene	13.28	146	5104	1.079	ug/l	97
88) 1,4-Dichlorobenzene	13.28	146	5104	1.107	ug/l	98
89) n-Butylbenzene	13.61	91	7261	1.005	ug/l	99
90) Hexachloroethane	13.87	117	2588	1.479	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	4783	0.986	ug/l	95
92) 1,2-Dibromo-3-Chloropropan	14.27	75	258	0.606	ug/l #	27

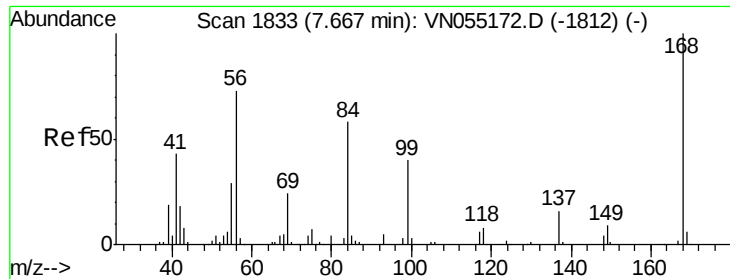
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN042919\
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Acq On : 29 Apr 2019 9:50
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QLast Update : Tue Apr 30 03:41:42 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.90	180	1407	0.834	ug/l #	86
94) Hexachlorobutadiene	15.01	225	2235	1.275	ug/l	91
95) Naphthalene	15.13	128	2977	0.838	ug/l #	80
96) 1,2,3-Trichlorobenzene	15.31	180	1371	0.783	ug/l #	86

(#) = 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: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

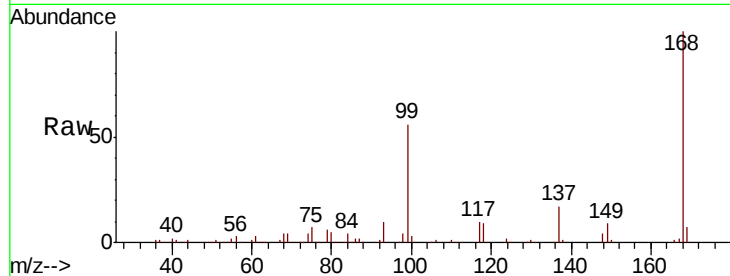
VSTDIC001

Tgt Ion:168 Resp: 412918

Ion Ratio Lower Upper

168 100

99 55.8 43.6 65.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

100000

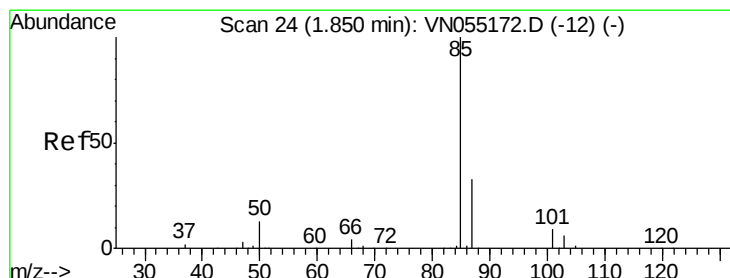
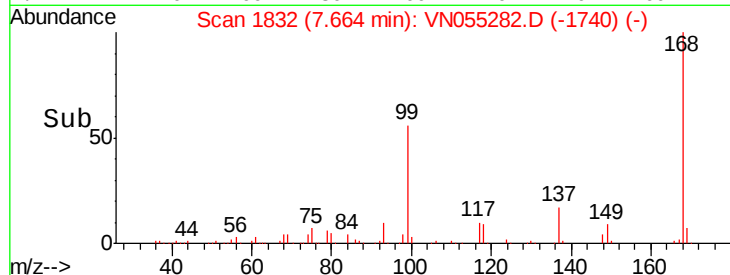
50000

0

Time-->

7.60

7.70



#2

Dichlorodifluoromethane

Concen: 0.911 ug/l

RT: 1.85 min Scan# 24

Delta R.T. -0.00 min

Lab File: VN055282.D

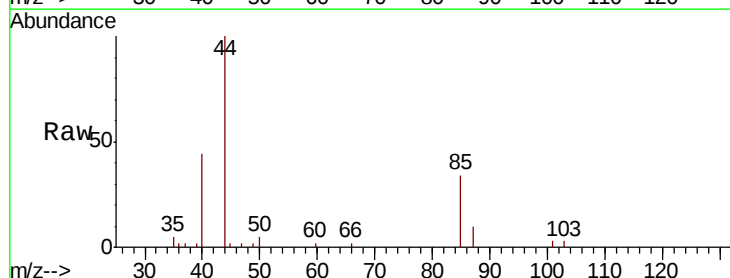
Acq: 29 Apr 2019 9:50

Tgt Ion: 85 Resp: 4772

Ion Ratio Lower Upper

85 100

87 30.2 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

4000

3000

2000

1000

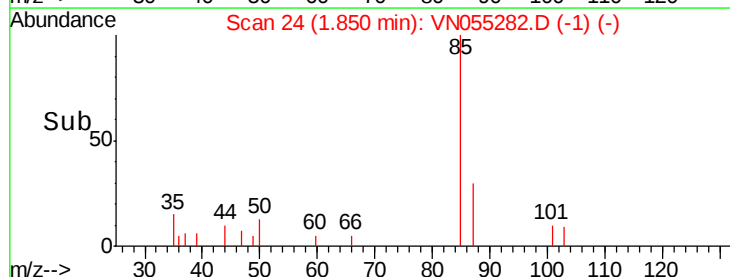
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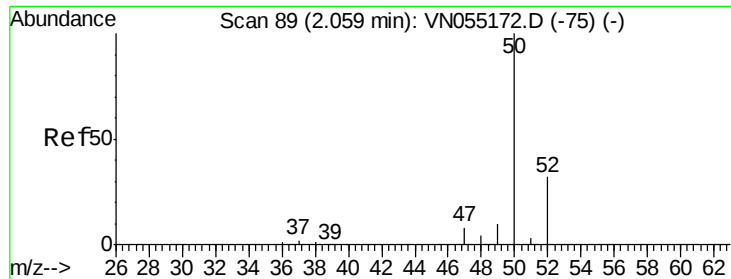
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1.80

1.85

1.90

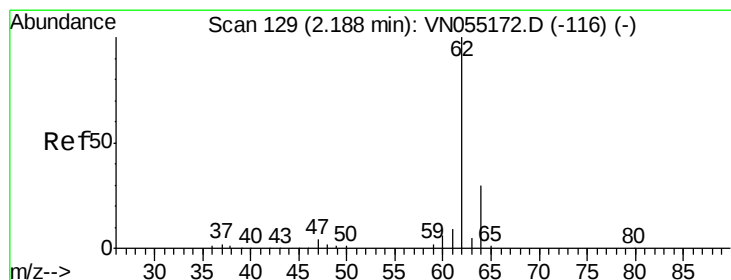
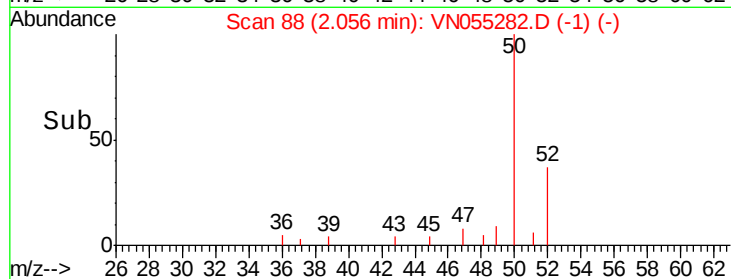
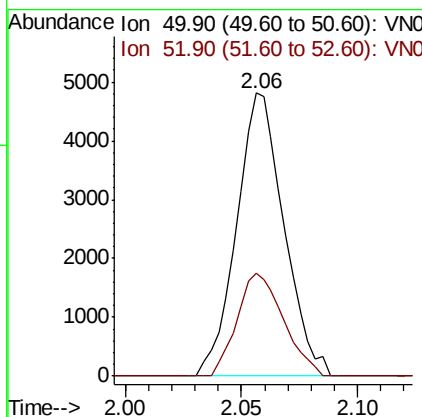
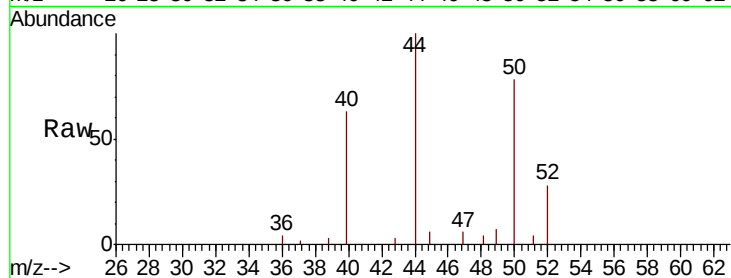




#3
 Chloromethane
 Concen: 1.065 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

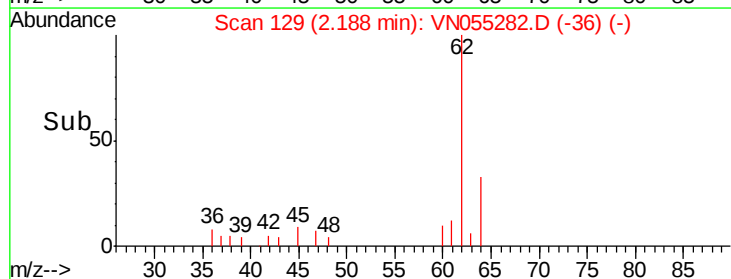
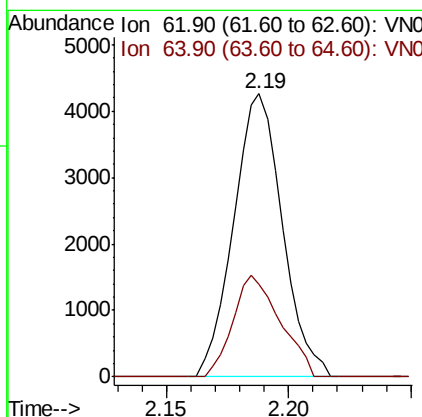
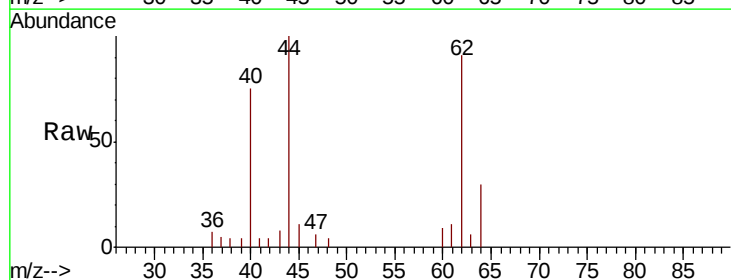
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

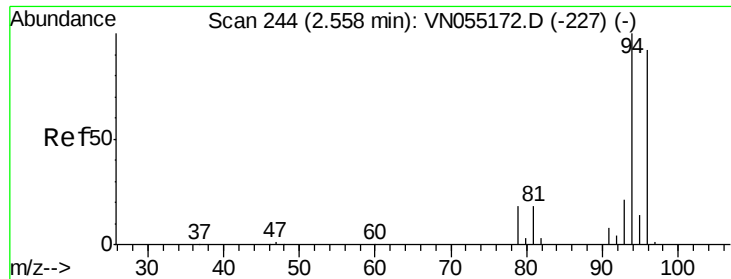
Tgt Ion: 50 Resp: 6830
 Ion Ratio Lower Upper
 50 100
 52 36.5 25.7 38.5



#4
 Vinyl Chloride
 Concen: 1.148 ug/l
 RT: 2.19 min Scan# 129
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 62 Resp: 5898
 Ion Ratio Lower Upper
 62 100
 64 32.7 25.5 38.3





#5

Bromomethane

Concen: 1.041 ug/l

RT: 2.55 min Scan# 242

Delta R.T. -0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

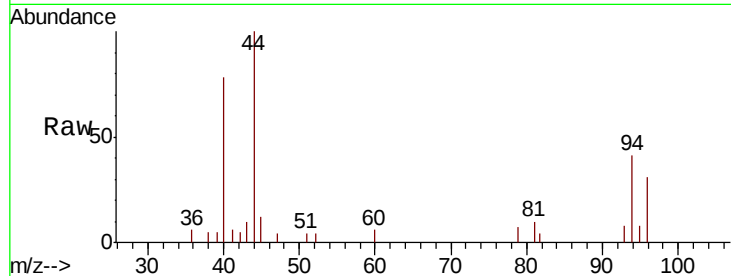
VSTDIC001

Tgt Ion: 94 Resp: 3121

Ion Ratio Lower Upper

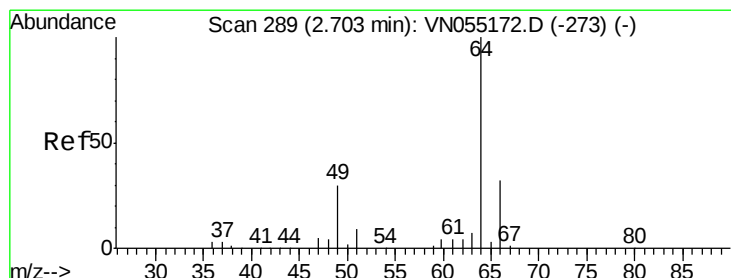
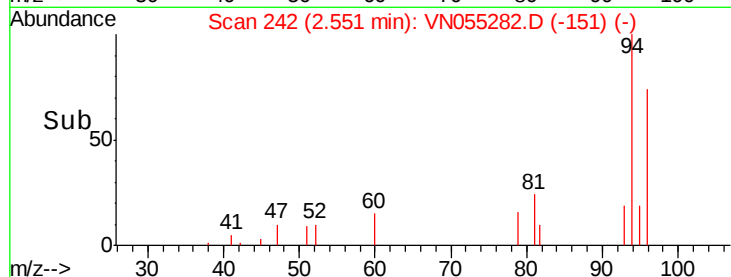
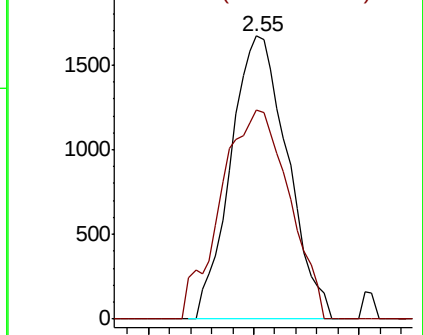
94 100

96 73.9 76.0 114.0#



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.189 ug/l

RT: 2.70 min Scan# 288

Delta R.T. 0.00 min

Lab File: VN055282.D

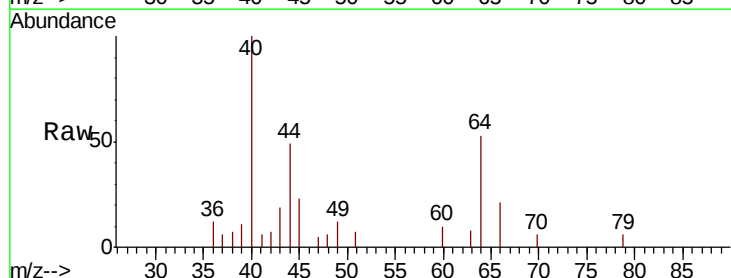
Acq: 29 Apr 2019 9:50

Tgt Ion: 64 Resp: 3245

Ion Ratio Lower Upper

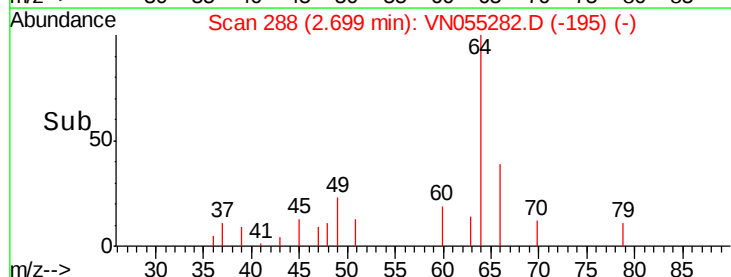
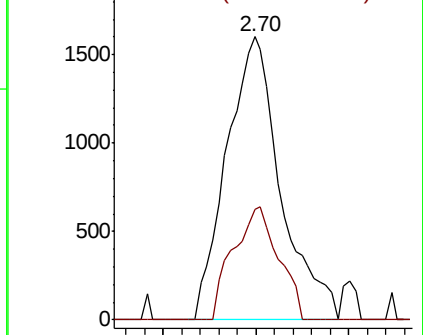
64 100

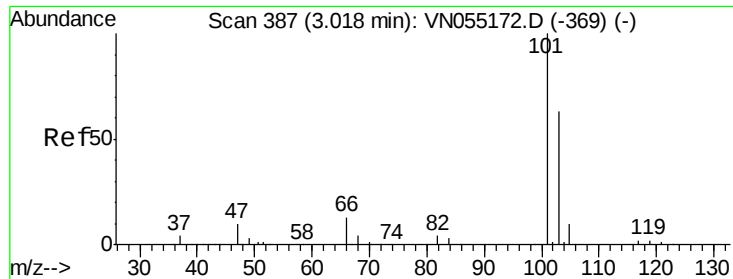
66 39.2 25.0 37.4#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0





#7

Trichlorofluoromethane

Concen: 1.128 ug/l

RT: 3.02 min Scan# 387

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

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ClientSampleId :

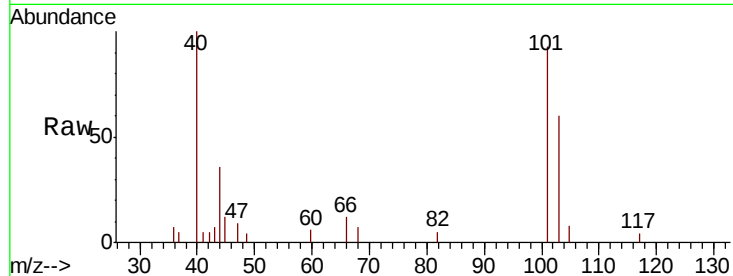
VSTDIC001

Tgt Ion:101 Resp: 7948

Ion Ratio Lower Upper

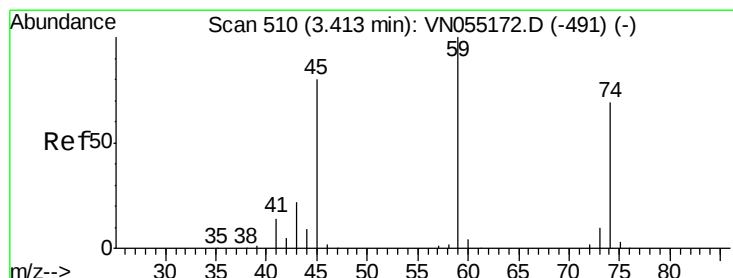
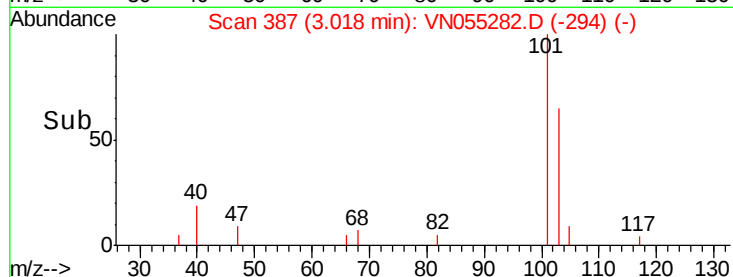
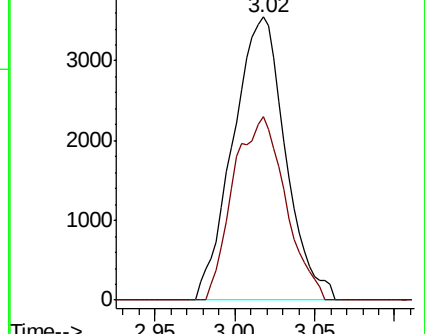
101 100

103 64.9 52.6 79.0



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 102.80 (102.50 to 103.50): V



#8

Diethyl Ether

Concen: 1.158 ug/l

RT: 3.41 min Scan# 508

Delta R.T. -0.01 min

Lab File: VN055282.D

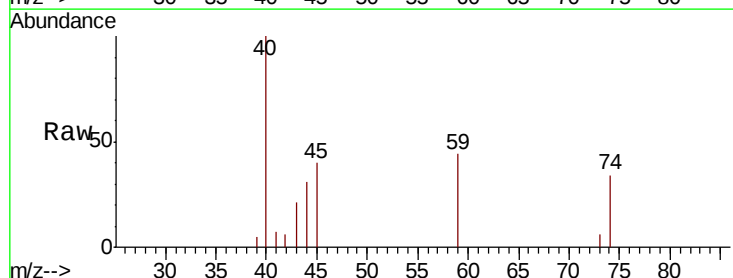
Acq: 29 Apr 2019 9:50

Tgt Ion: 74 Resp: 2910

Ion Ratio Lower Upper

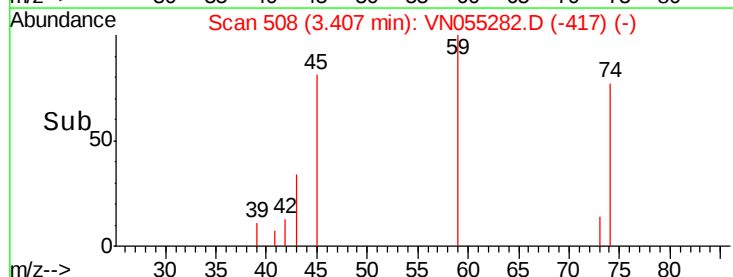
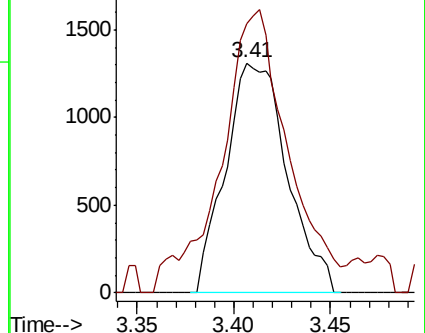
74 100

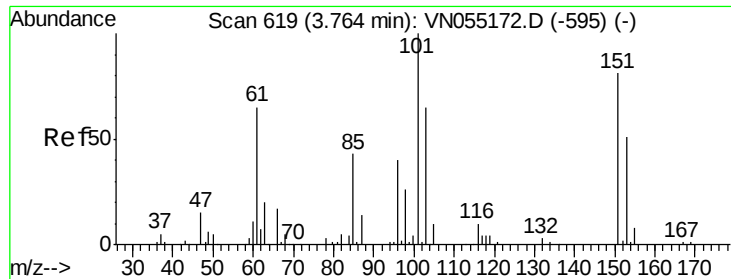
45 133.7 58.9 176.6



Abundance Ion 74.00 (73.70 to 74.70): V

Ion 45.00 (44.70 to 45.70): V

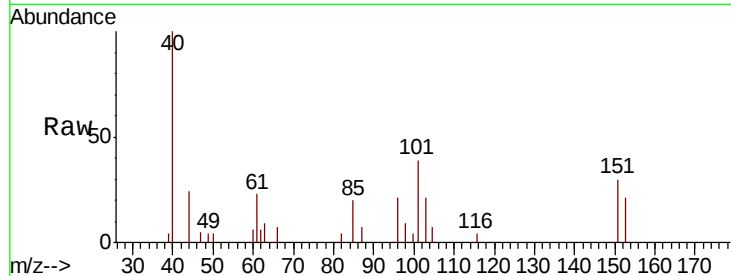




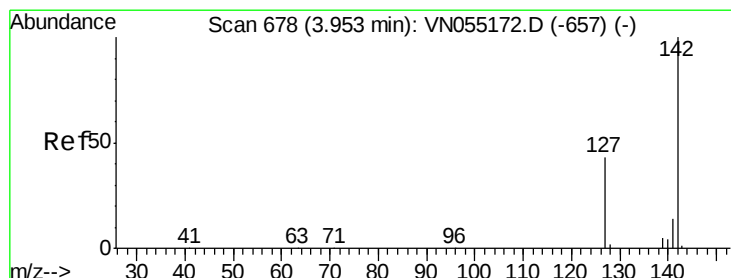
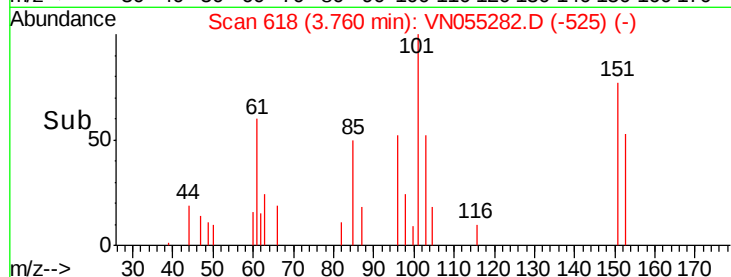
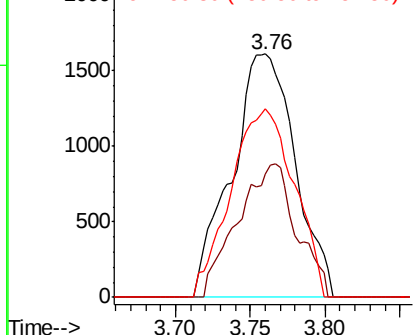
#9
 1,1,2-Trichlorotrifluoroethane
 Concen: 1.086 ug/l
 RT: 3.76 min Scan# 618
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tgt Ion:101 Resp: 4772
 Ion Ratio Lower Upper
 101 100
 85 50.8 35.7 53.5
 151 77.3 63.3 94.9

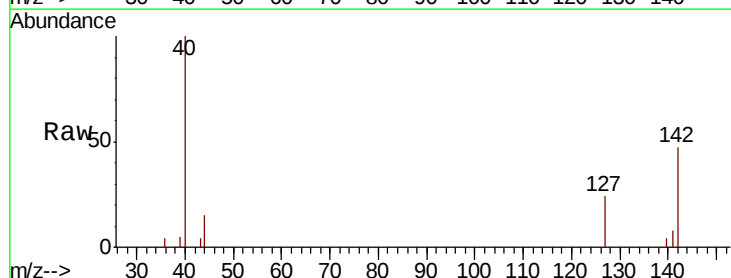


Abundance Ion 100.90 (100.60 to 101.60): V
 Ion 84.90 (84.60 to 85.60): V
 Ion 150.80 (150.50 to 151.50): V

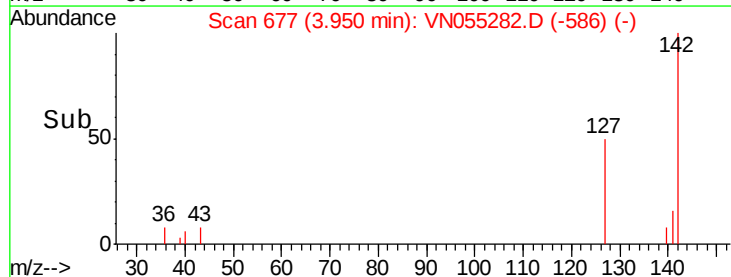
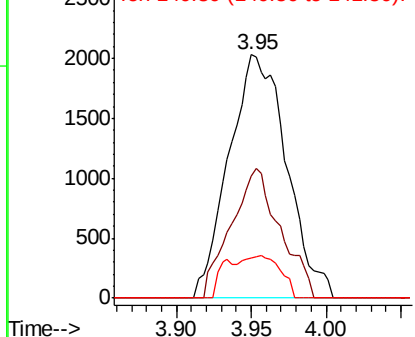


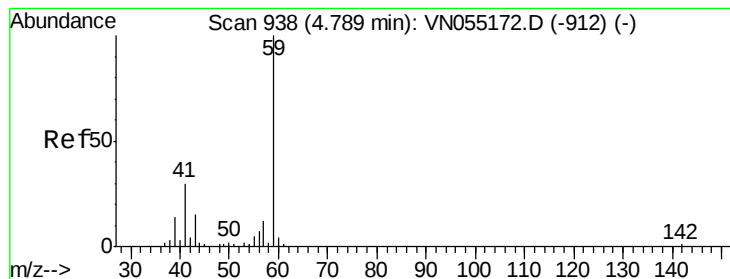
#10
 Methyl Iodide
 Concen: 0.889 ug/l
 RT: 3.95 min Scan# 677
 Delta R.T. -0.01 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion:142 Resp: 5445
 Ion Ratio Lower Upper
 142 100
 127 45.5 34.4 51.6
 141 5.0 11.5 17.3#



Abundance Ion 141.80 (141.50 to 142.50): V
 Ion 126.80 (126.50 to 127.50): V
 Ion 140.80 (140.50 to 141.50): V



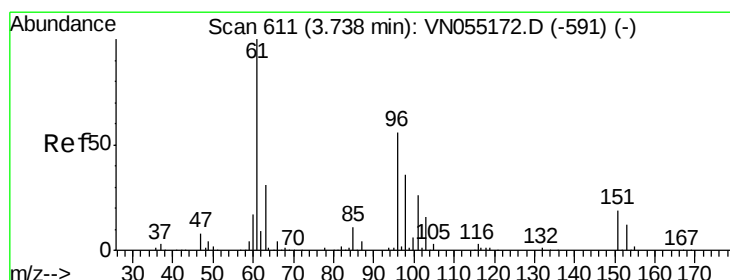
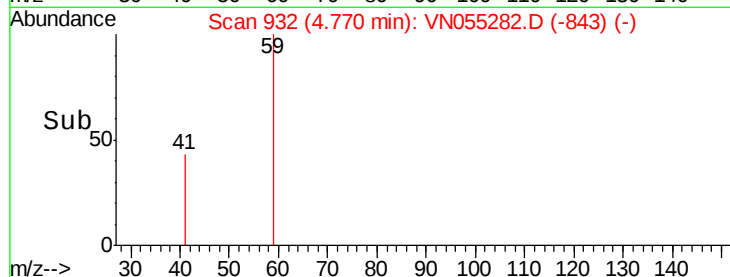
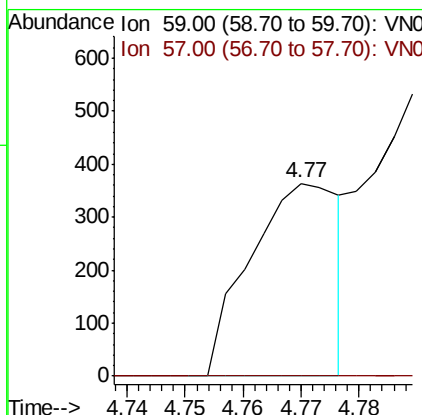
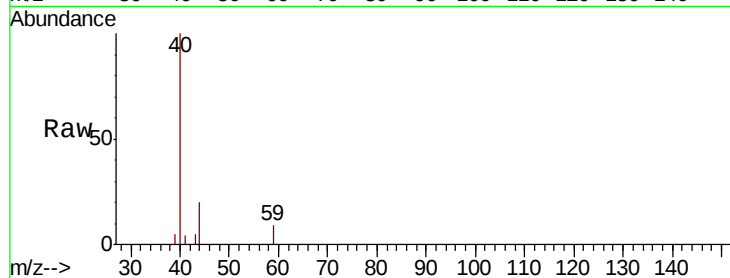


#11

Tert butyl alcohol
 Concen: 1.207 ug/l
 RT: 4.77 min Scan# 932
 Delta R.T. -0.01 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

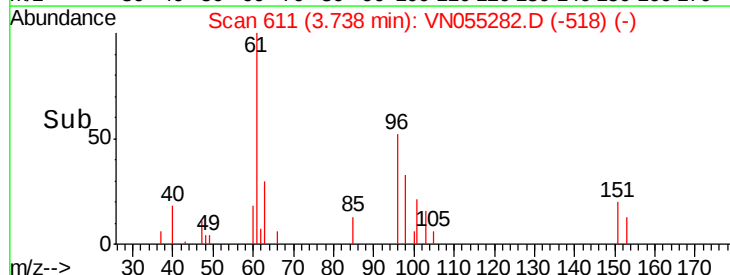
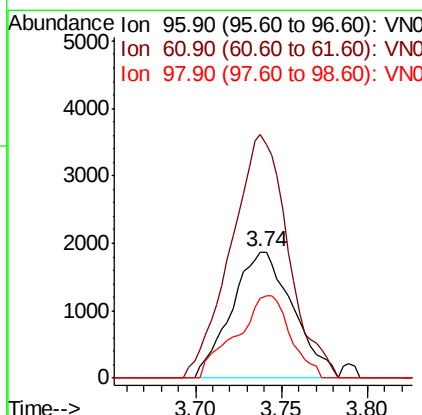
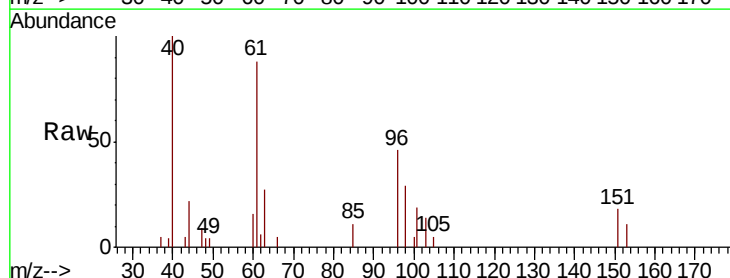
Tgt Ion: 59 Resp: 390
 Ion Ratio Lower Upper
 59 100
 57 0.0 8.2 12.2#

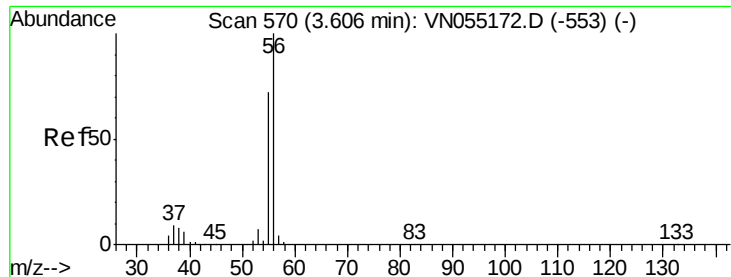


#12

1,1-Dichloroethene
 Concen: 1.102 ug/l
 RT: 3.74 min Scan# 611
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 96 Resp: 4620
 Ion Ratio Lower Upper
 96 100
 61 193.1 140.9 211.3
 98 63.7 50.0 75.0

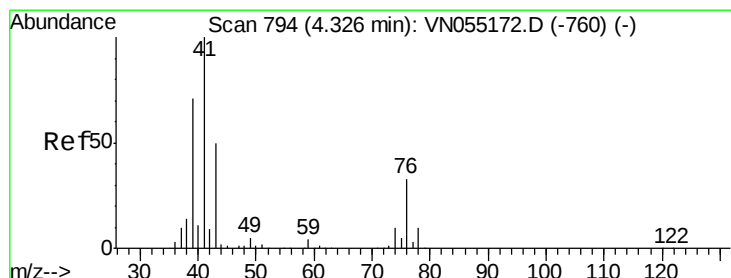
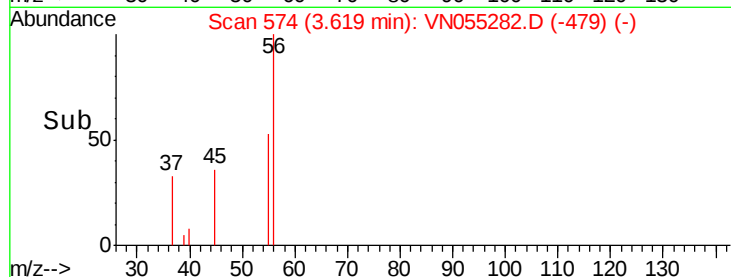
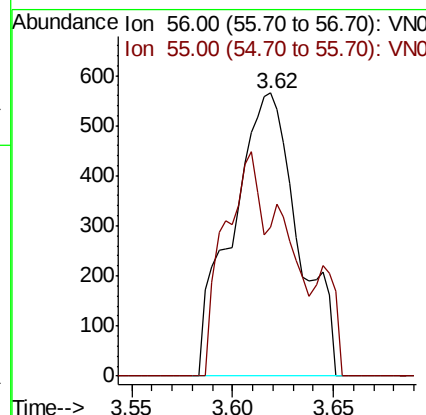
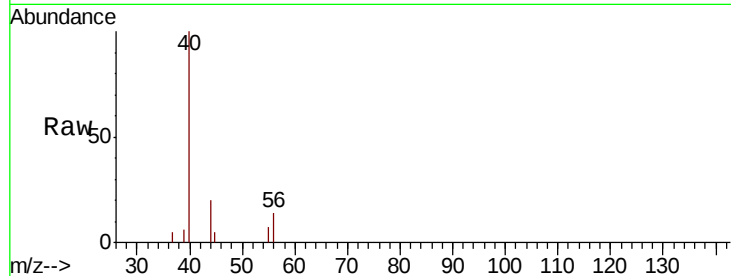




#13
Acrolein
Concen: 3.196 ug/l
RT: 3.62 min Scan# 574
Delta R.T. 0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

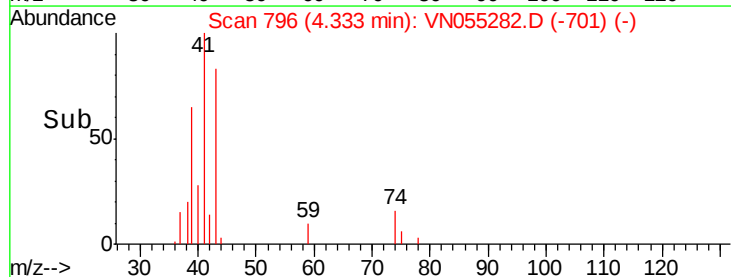
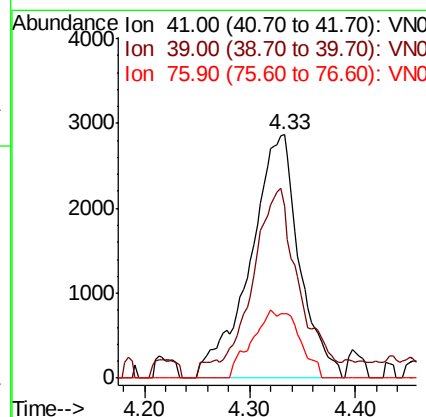
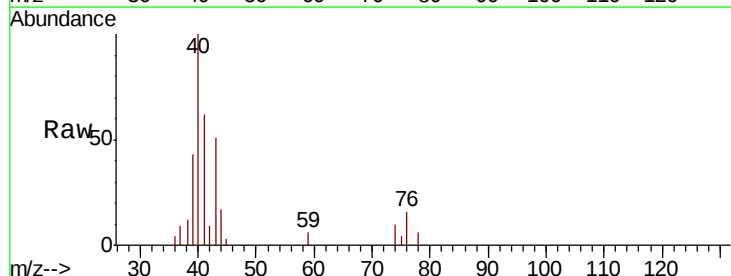
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

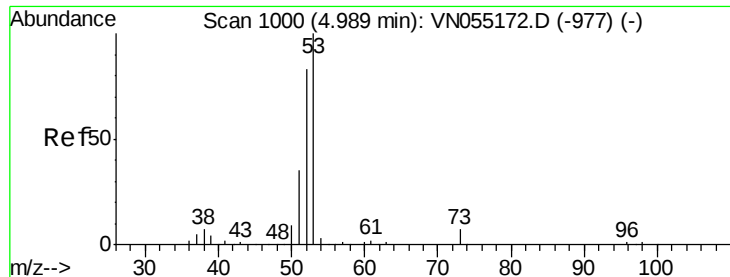
Tgt Ion: 56 Resp: 1284
Ion Ratio Lower Upper
56 100
55 44.2 57.4 86.2#



#14
Allyl chloride
Concen: 1.112 ug/l
RT: 4.33 min Scan# 796
Delta R.T. 0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 41 Resp: 9304
Ion Ratio Lower Upper
41 100
39 75.8 53.0 79.6
76 14.7 22.7 34.1#





#15

Acrylonitrile

Concen: 4.846 ug/l

RT: 5.00 min Scan# 1003

Delta R.T. 0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

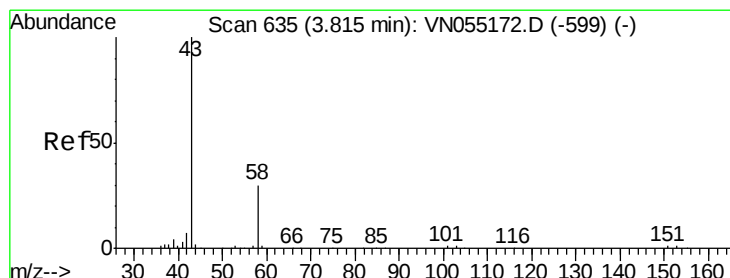
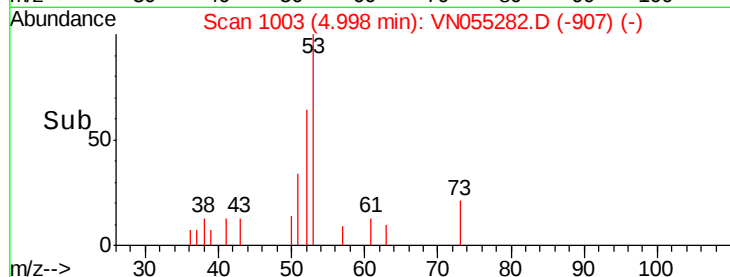
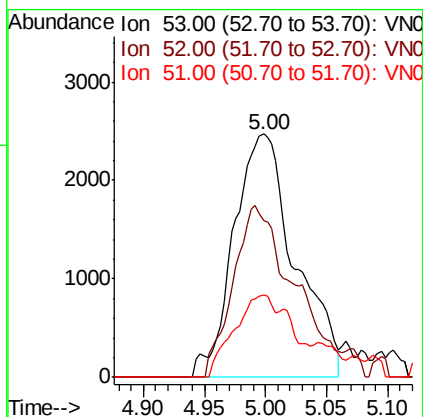
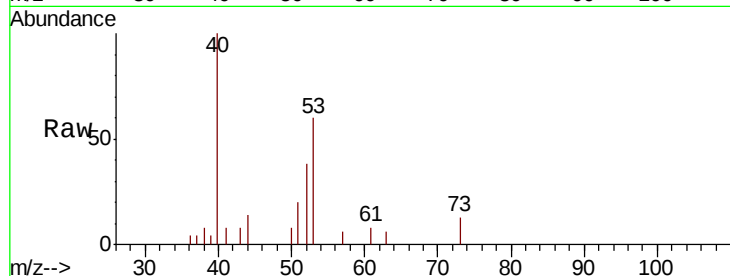
Tgt Ion: 53 Resp: 8607

Ion Ratio Lower Upper

53 100

52 70.2 66.5 99.7

51 23.2 29.6 44.4#



#16

Acetone

Concen: 5.512 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055282.D

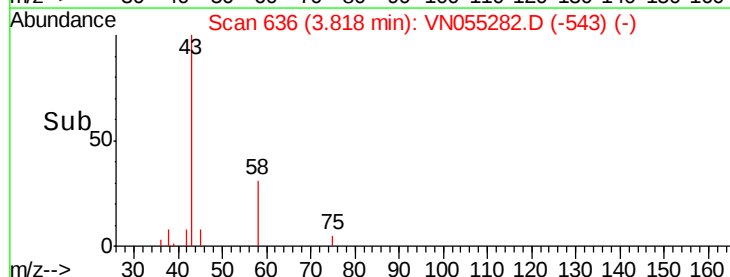
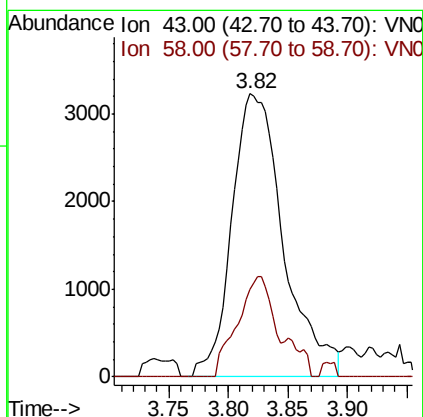
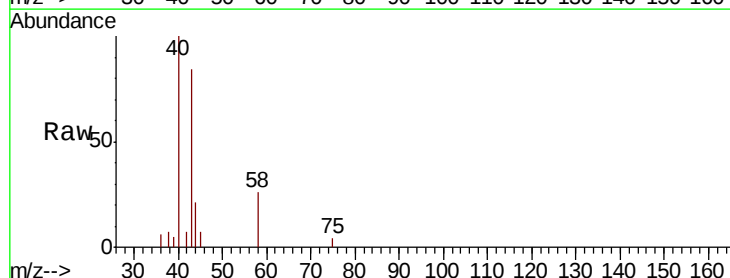
Acq: 29 Apr 2019 9:50

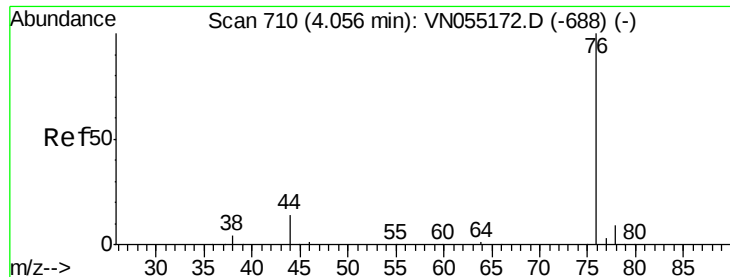
Tgt Ion: 43 Resp: 9756

Ion Ratio Lower Upper

43 100

58 31.1 23.6 35.4

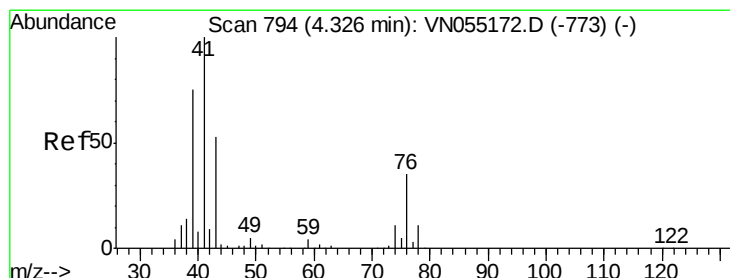
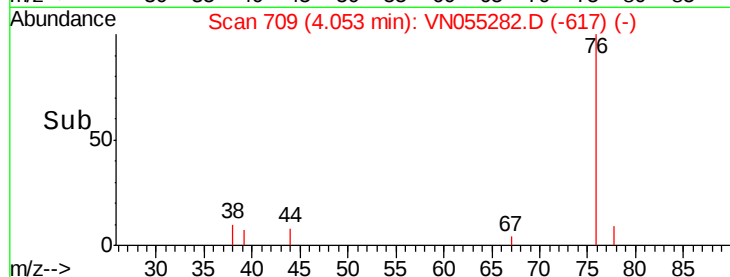
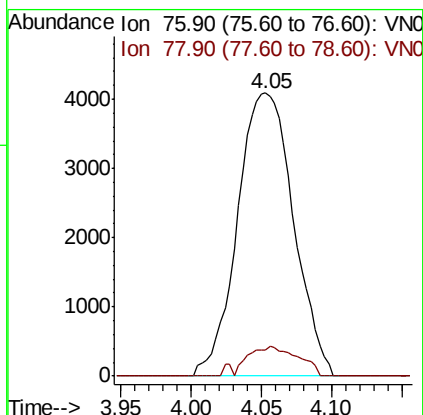
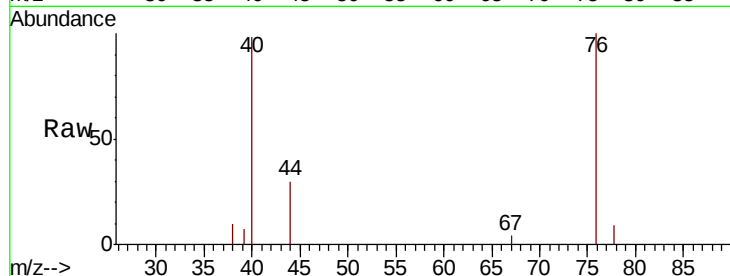




#17
Carbon Disulfide
Concen: 0.976 ug/l
RT: 4.05 min Scan# 709
Delta R.T. -0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

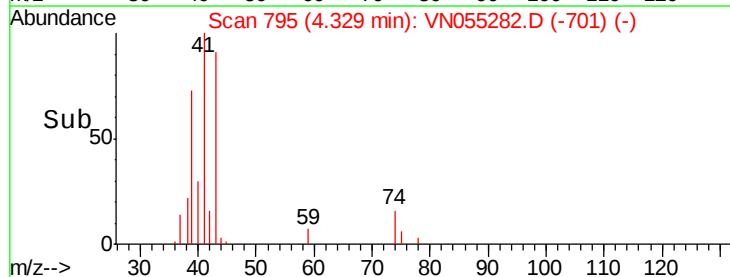
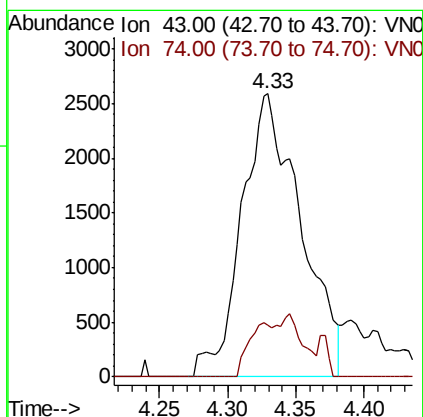
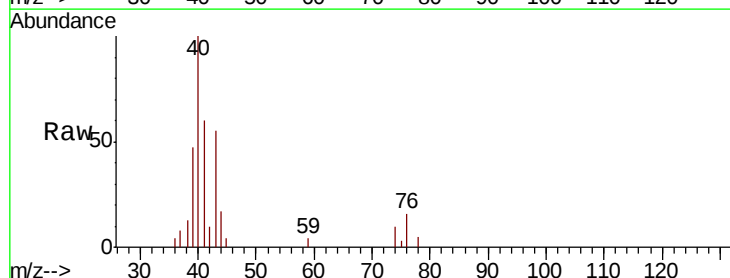
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

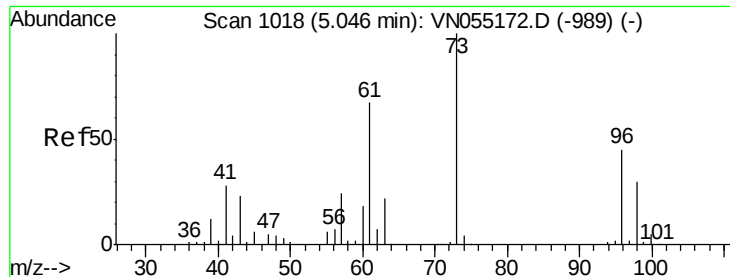
Tgt Ion: 76 Resp: 11327
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#18
Methyl Acetate
Concen: 1.543 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 43 Resp: 7781
Ion Ratio Lower Upper
43 100
74 7.6 15.8 23.8#

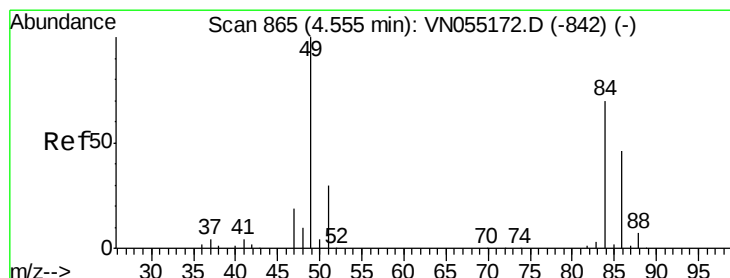
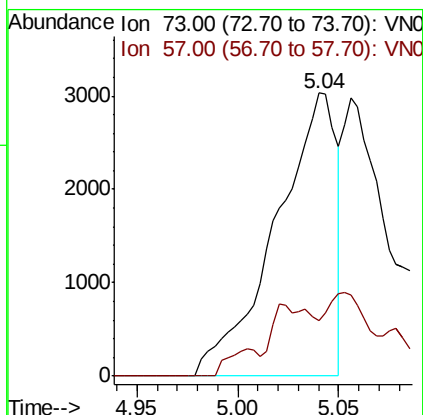
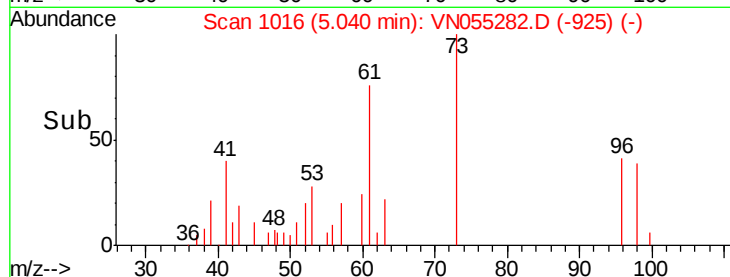
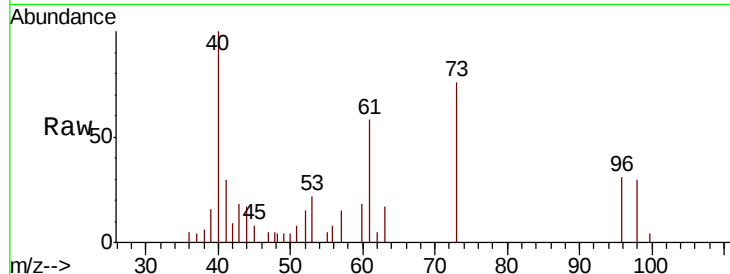




#19
Methyl tert-butyl Ether
Concen: 0.536 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

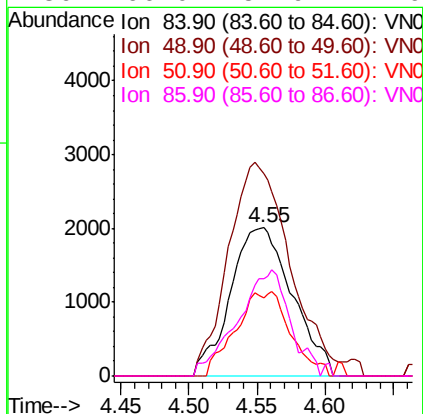
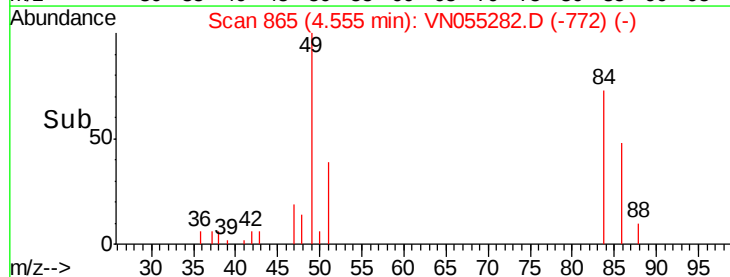
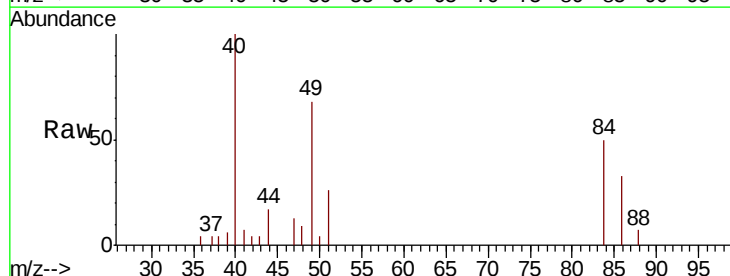
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

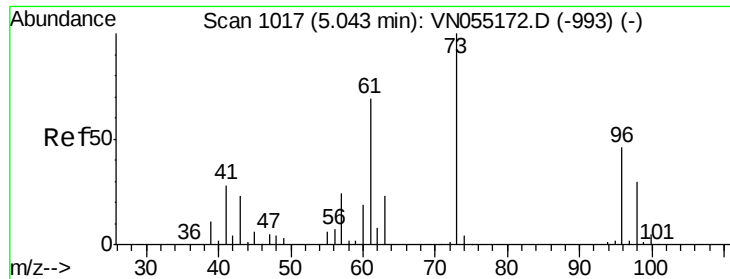
Tgt Ion: 73 Resp: 6278
Ion Ratio Lower Upper
73 100
57 19.6 19.1 28.7



#20
Methylene Chloride
Concen: 1.203 ug/l
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 84 Resp: 6338
Ion Ratio Lower Upper
84 100
49 136.4 112.4 168.6
51 52.9 34.6 51.8#
86 66.0 51.9 77.9

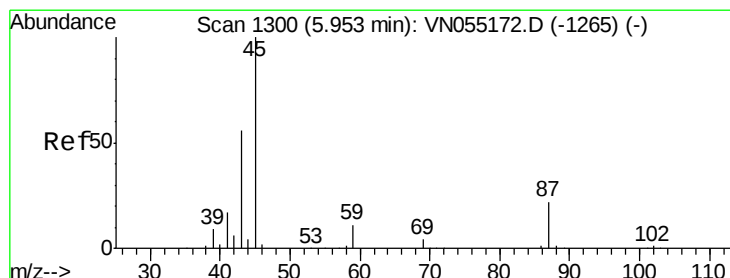
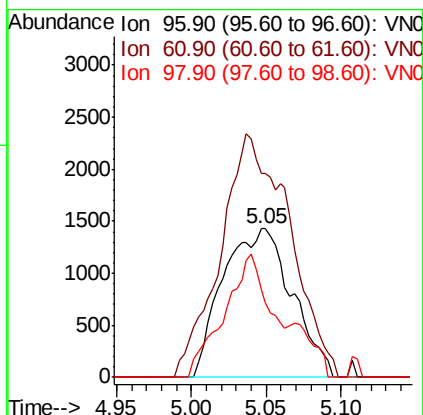
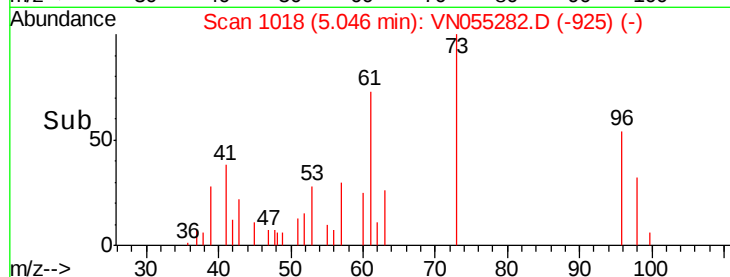
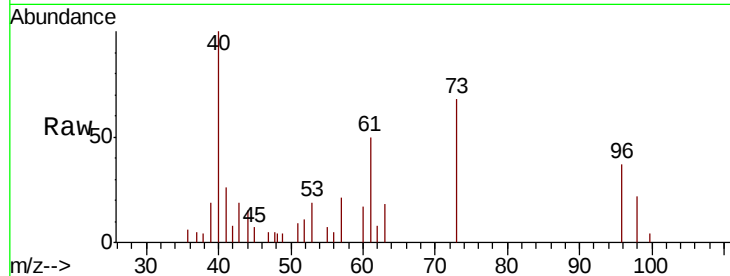




#21
trans-1,2-Dichloroethene
Concen: 1.046 ug/l
RT: 5.05 min Scan# 1018
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

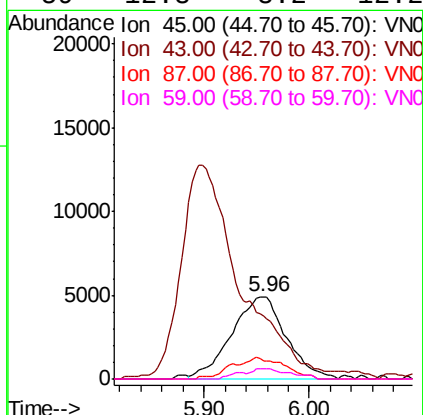
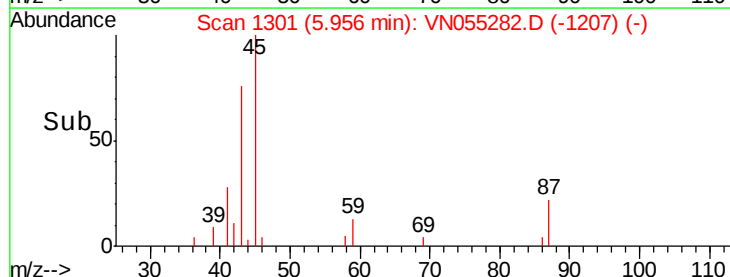
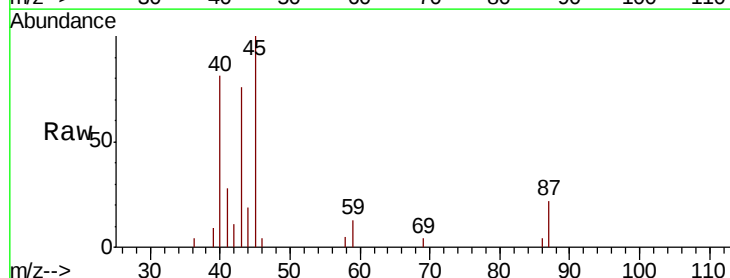
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

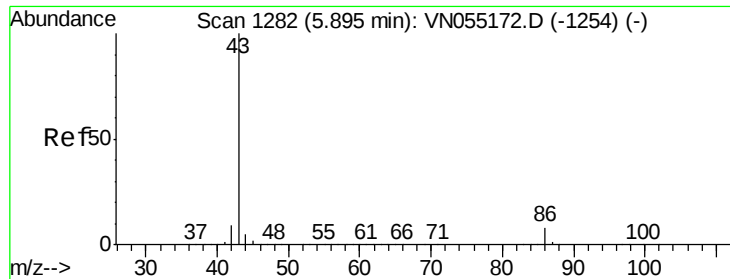
Tgt Ion: 96 Resp: 4600
Ion Ratio Lower Upper
96 100
61 136.8 126.2 189.4
98 59.2 52.2 78.2



#22
Diisopropyl ether
Concen: 1.054 ug/l
RT: 5.96 min Scan# 1301
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 45 Resp: 17643
Ion Ratio Lower Upper
45 100
43 67.3 46.6 70.0
87 21.9 18.1 27.1
59 12.8 8.2 12.2#





#23

Vinyl Acetate

Concen: 4.482 ug/l

RT: 5.90 min Scan# 1282

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

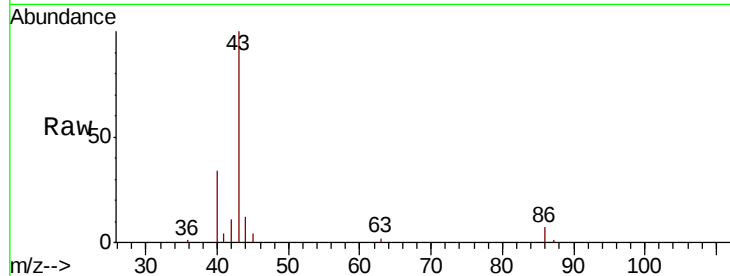
VSTDIC001

Tgt Ion: 43 Resp: 50070

Ion Ratio Lower Upper

43 100

86 7.5 6.6 10.0



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

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

5.90

15000

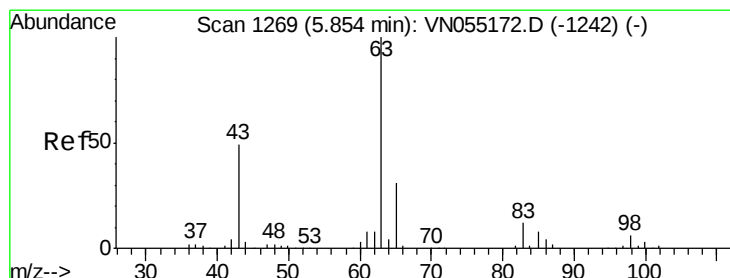
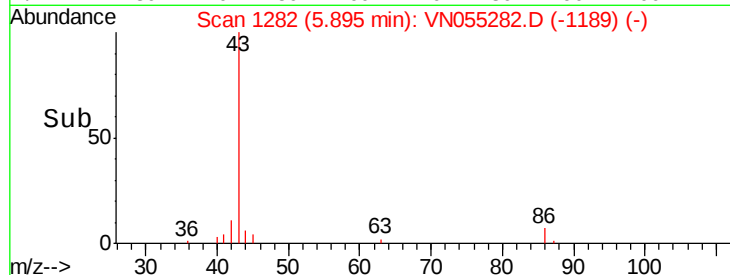
10000

5000

0

Time-->

5.80 5.90 6.00



#24

1,1-Dichloroethane

Concen: 1.081 ug/l

RT: 5.85 min Scan# 1269

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

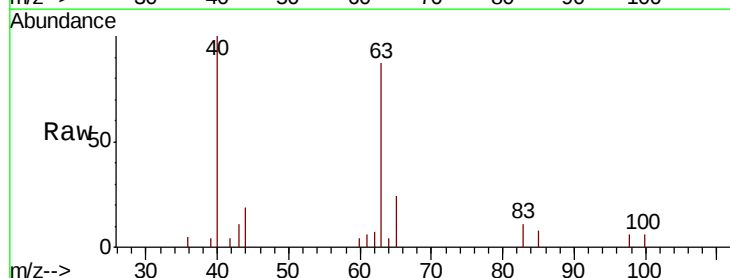
Tgt Ion: 63 Resp: 9673

Ion Ratio Lower Upper

63 100

98 6.7 3.0 9.0

100 6.4 1.8 5.4#



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

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

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

5.85

4000

3000

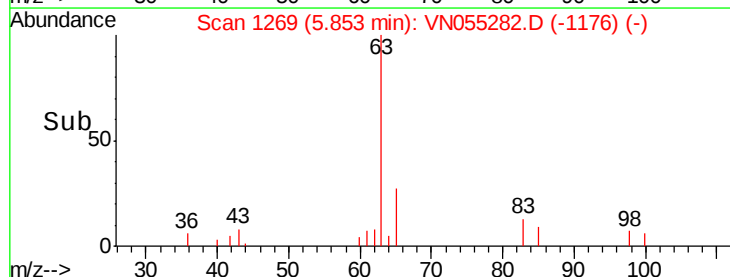
2000

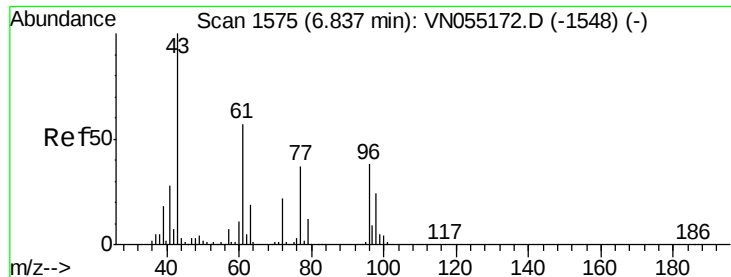
1000

0

Time-->

5.75 5.80 5.85 5.90

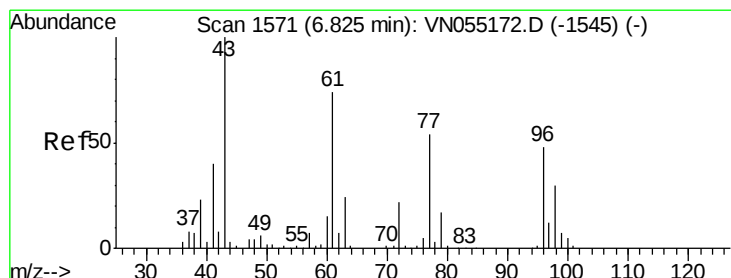
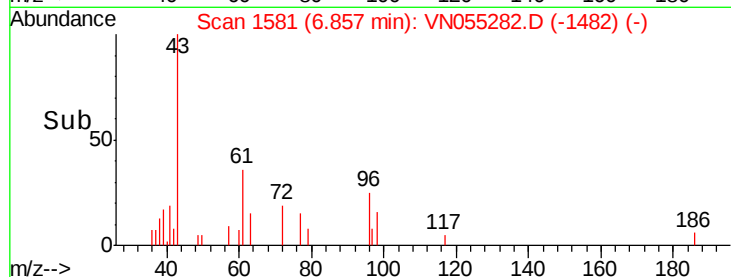
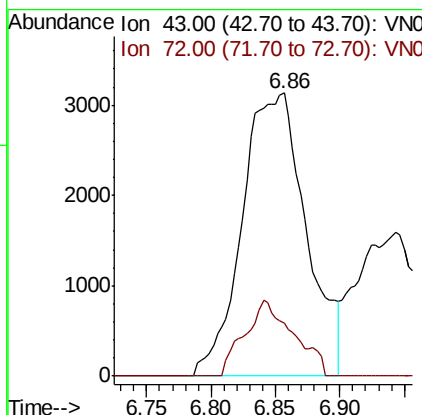
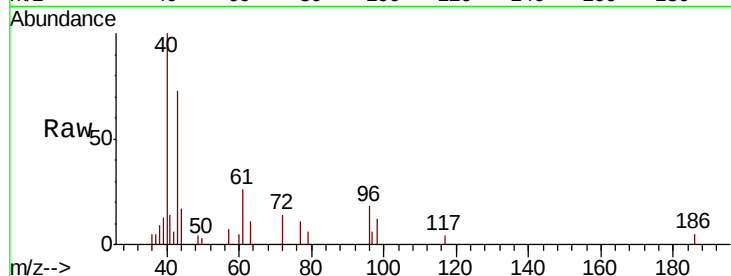




#25
2-Butanone
Concen: 4.632 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. 0.02 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

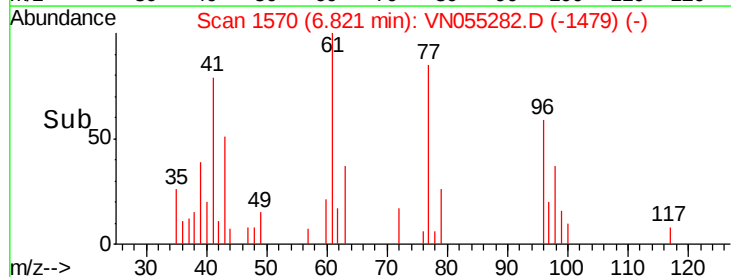
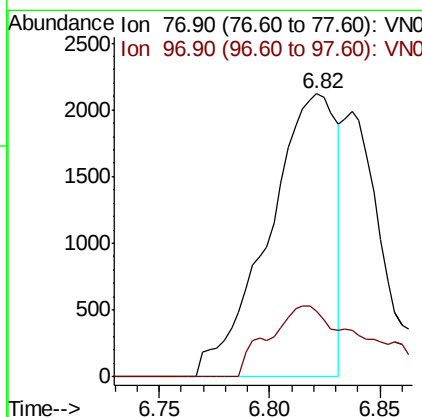
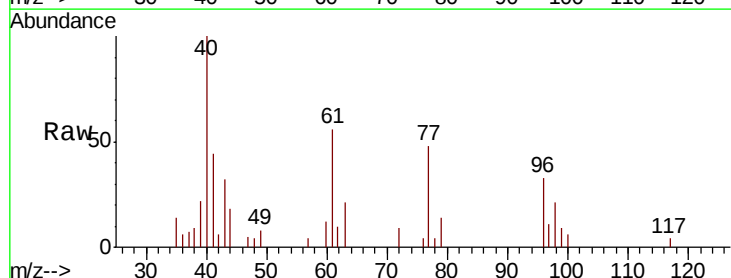
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

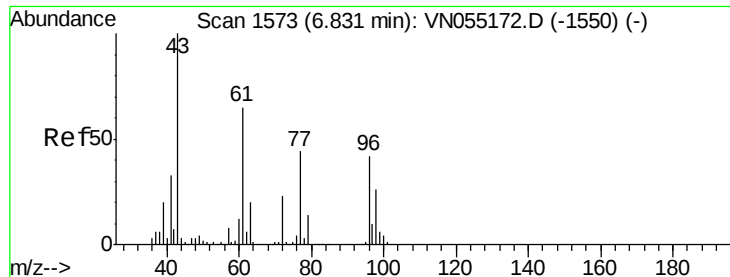
Tgt Ion: 43 Resp: 10831
Ion Ratio Lower Upper
43 100
72 18.7 18.0 27.0



#26
2,2-Dichloropropane
Concen: 0.744 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. -0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 77 Resp: 4529
Ion Ratio Lower Upper
77 100
97 34.3 11.4 34.2#

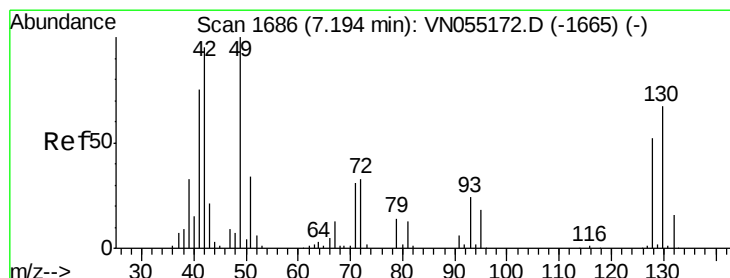
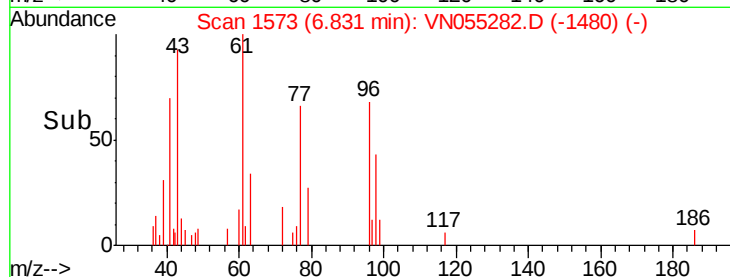
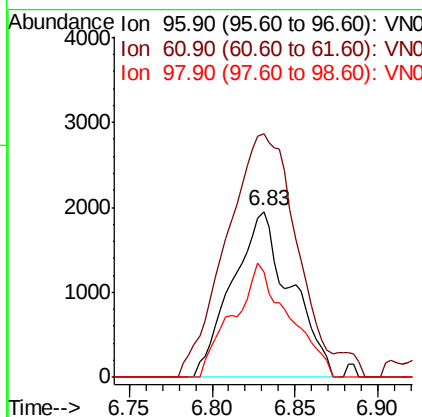
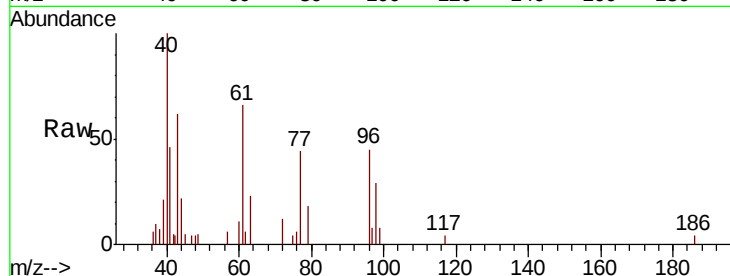




#27
 cis-1,2-Dichloroethene
 Concen: 0.937 ug/l
 RT: 6.83 min Scan# 1573
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

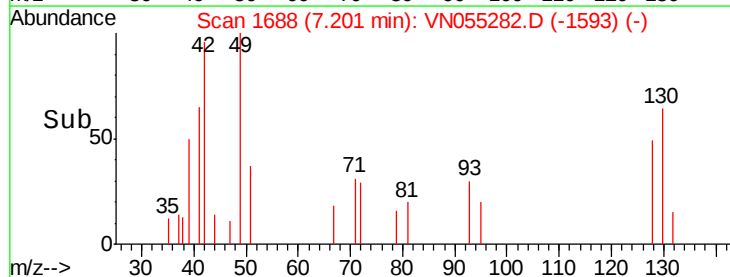
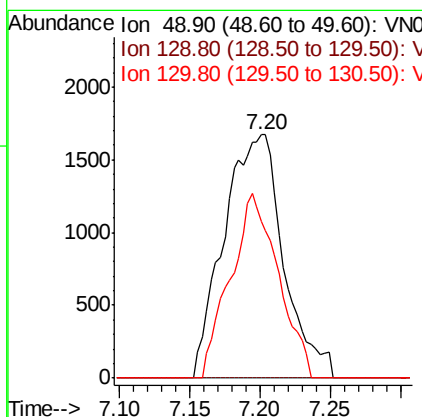
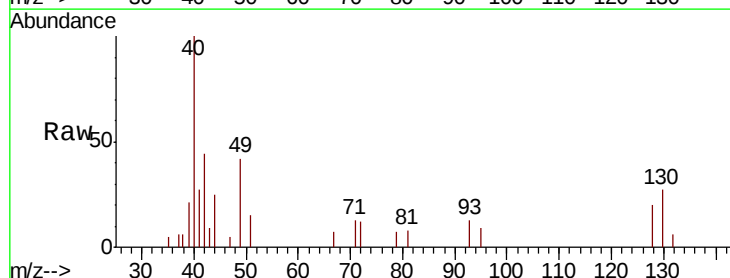
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

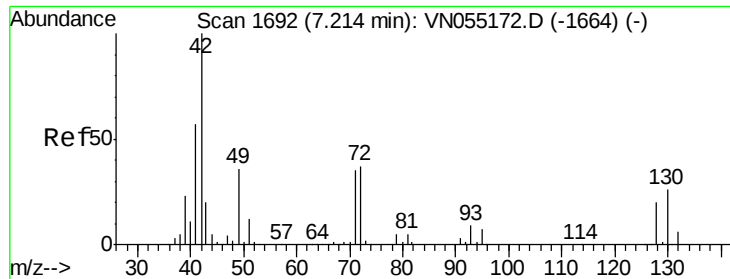
Tgt Ion: 96 Resp: 4772
 Ion Ratio Lower Upper
 96 100
 61 176.2 0.0 316.2
 98 66.1 0.0 126.6



#28
 Bromochloromethane
 Concen: 1.081 ug/l
 RT: 7.20 min Scan# 1688
 Delta R.T. 0.01 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 49 Resp: 4934
 Ion Ratio Lower Upper
 49 100
 129 0.0 0.0 2.4
 130 60.8 52.0 78.0





#29

Tetrahydrofuran

Concen: 4.372 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

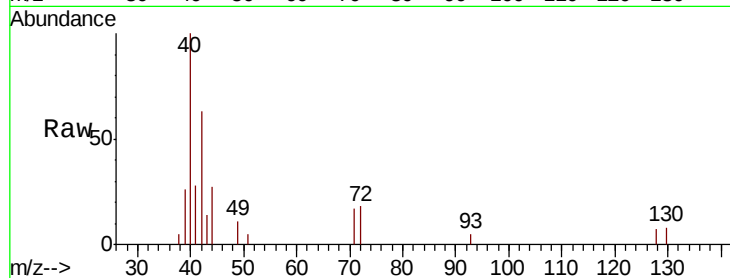
Tgt Ion: 42 Resp: 6359

Ion Ratio Lower Upper

42 100

72 41.8 29.0 43.6

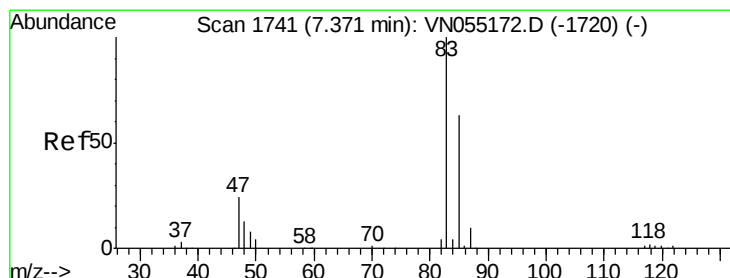
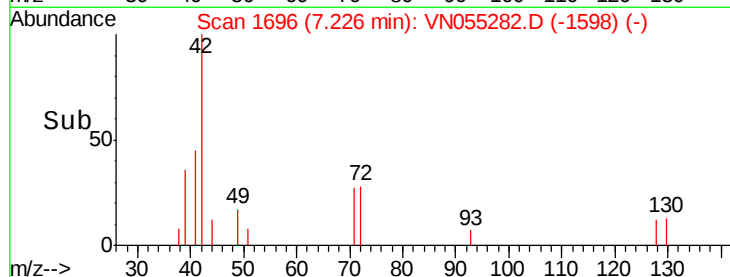
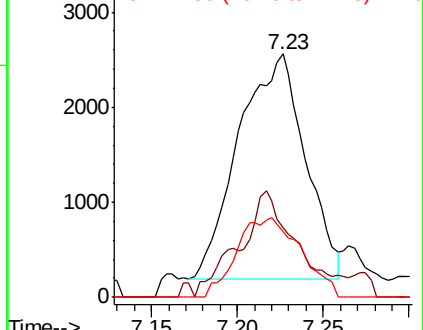
71 34.1 27.1 40.7



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

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

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



#30

Chloroform

Concen: 1.091 ug/l

RT: 7.37 min Scan# 1741

Delta R.T. 0.00 min

Lab File: VN055282.D

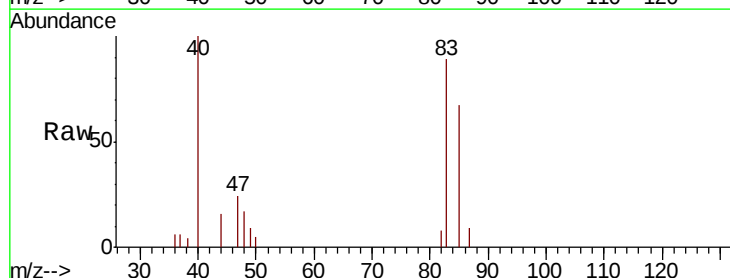
Acq: 29 Apr 2019 9:50

Tgt Ion: 83 Resp: 9294

Ion Ratio Lower Upper

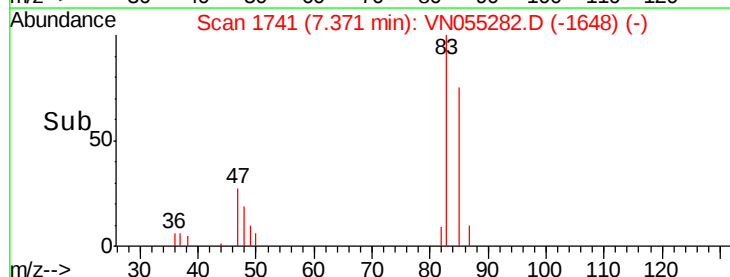
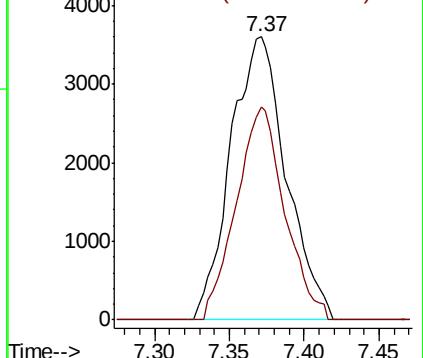
83 100

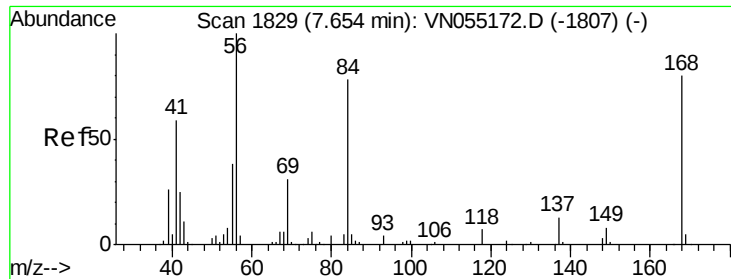
85 75.0 51.4 77.2



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

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

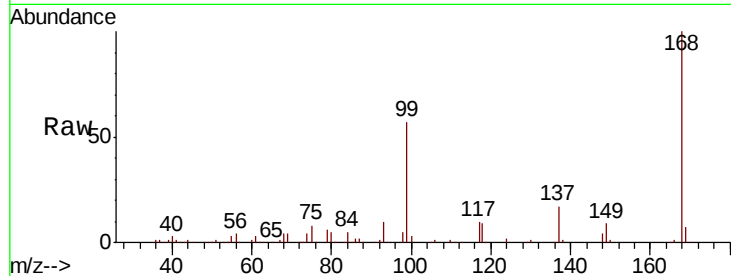




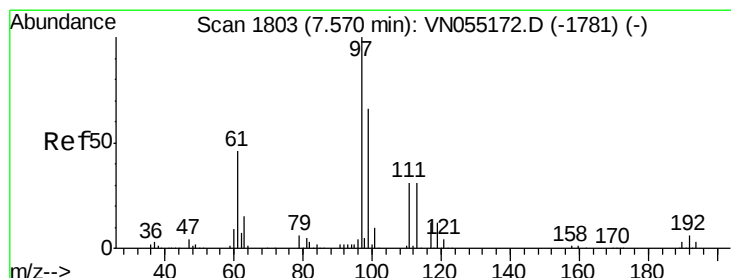
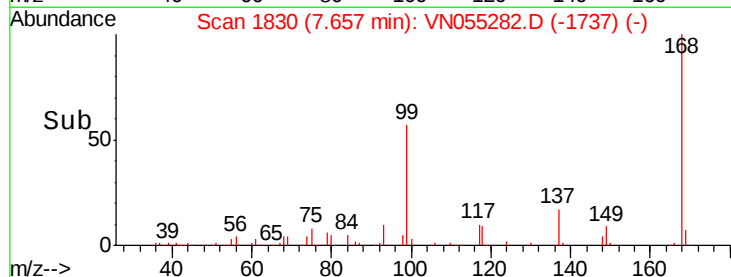
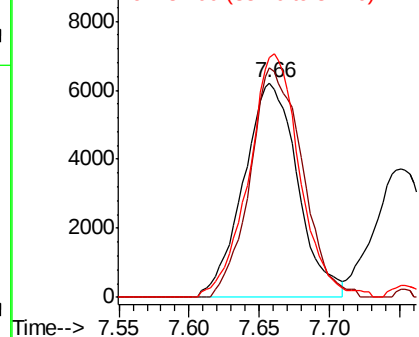
#31
Cyclohexane
Concen: 1.628 ug/l
RT: 7.66 min Scan# 1830
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 56 Resp: 16677
Ion Ratio Lower Upper
56 100
69 107.3 25.2 37.8#
84 111.7 61.1 91.7#

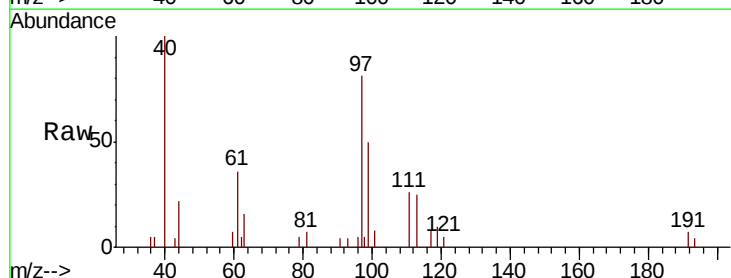


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

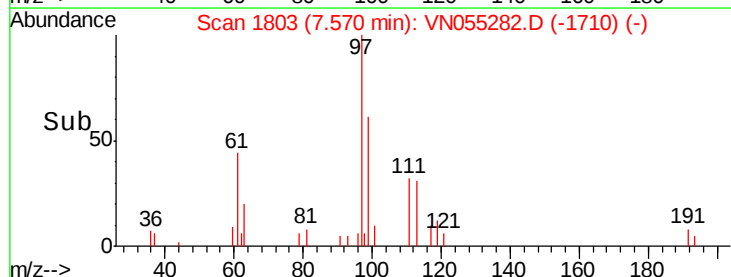
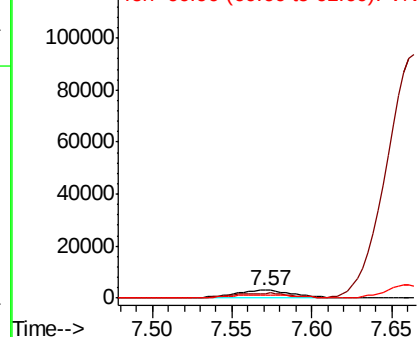


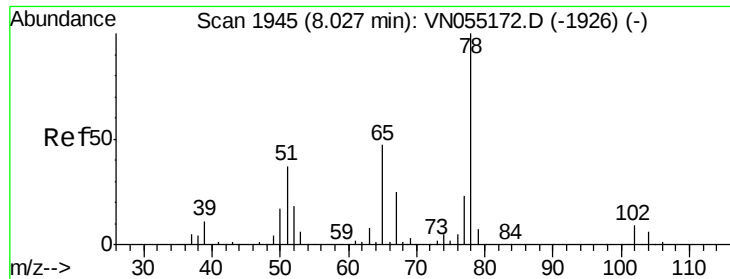
#32
1,1,1-Trichloroethane
Concen: 1.120 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 97 Resp: 7653
Ion Ratio Lower Upper
97 100
99 0.0 51.8 77.8#
61 50.5 39.0 58.6



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

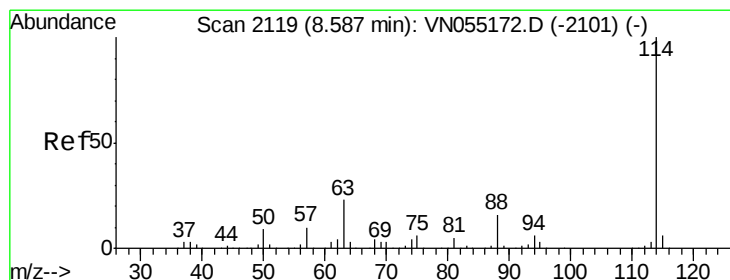
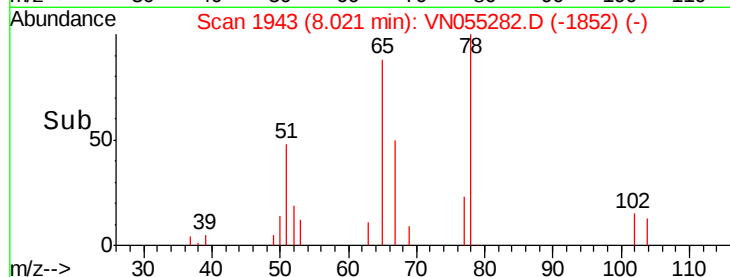
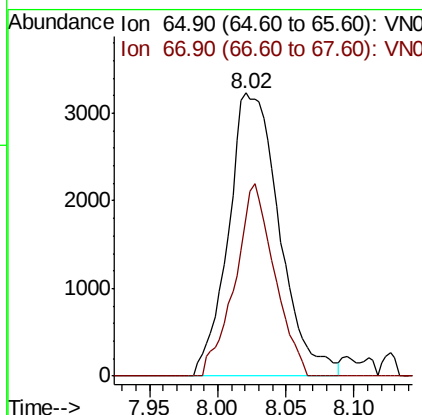
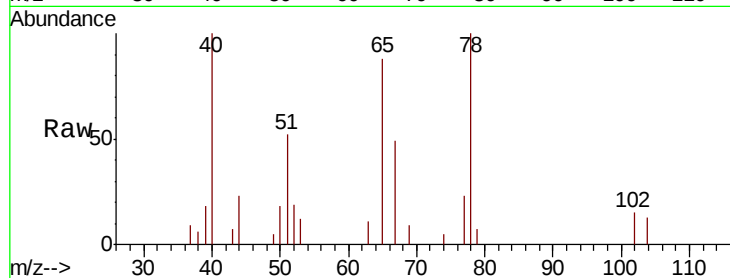




#33
 1,2-Dichloroethane-d4
 Concen: 1.513 ug/l
 RT: 8.02 min Scan# 1943
 Delta R.T. -0.01 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

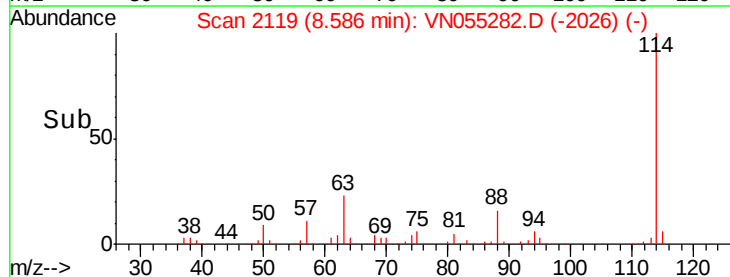
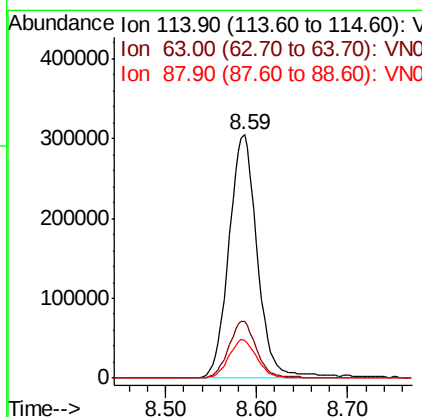
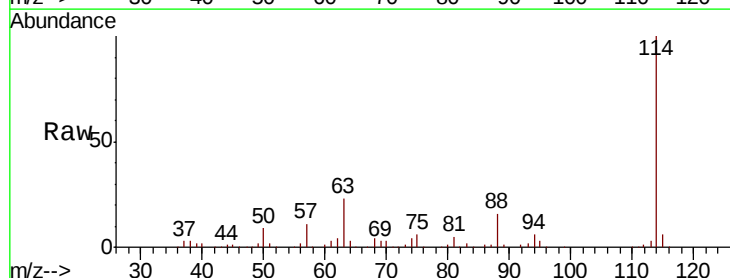
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

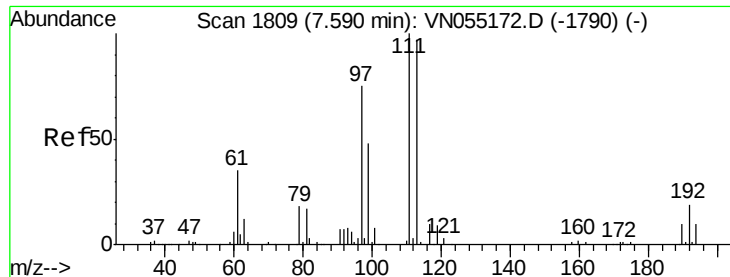
Tgt Ion: 65 Resp: 8410
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 106.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 114 Resp: 661645
 Ion Ratio Lower Upper
 114 100
 63 23.5 0.0 45.2
 88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 1.226 ug/l

RT: 7.59 min Scan# 1808

Delta R.T. -0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

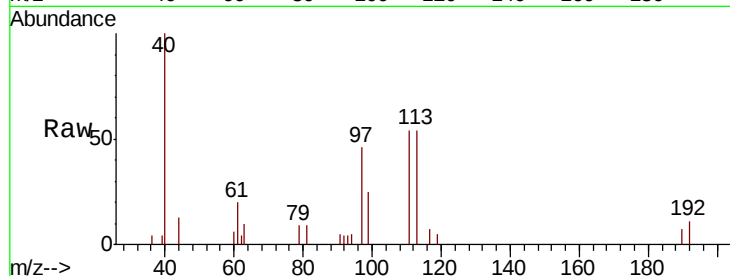
Tgt Ion:113 Resp: 5450

Ion Ratio Lower Upper

113 100

111 103.0 82.3 123.5

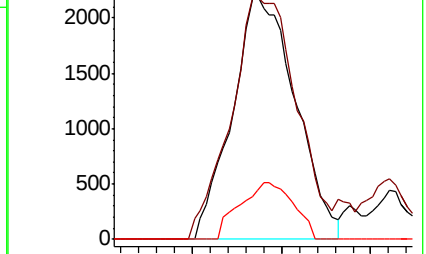
192 19.8 17.0 25.6



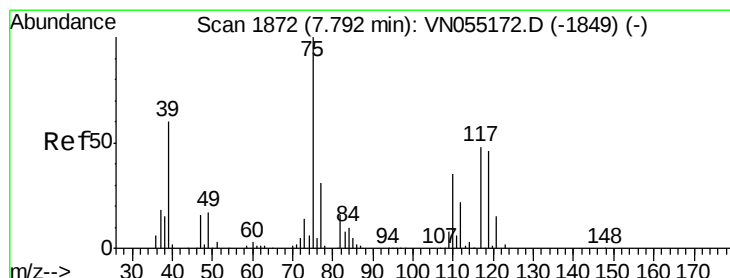
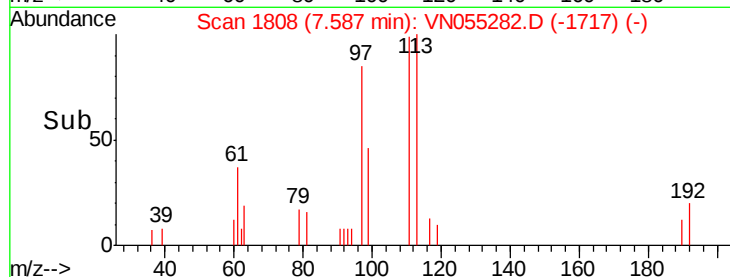
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V



Time-->



#36

1,1-Dichloropropene

Concen: 1.279 ug/l

RT: 7.79 min Scan# 1871

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

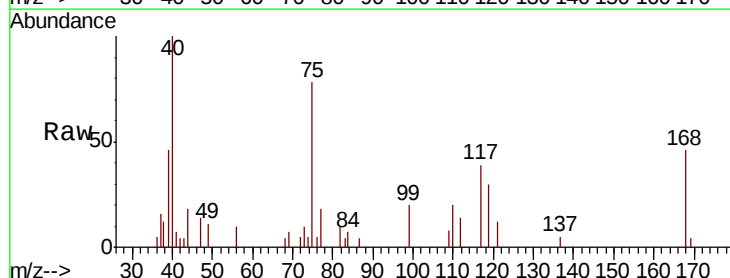
Tgt Ion: 75 Resp: 7753

Ion Ratio Lower Upper

75 100

110 27.4 16.8 50.4

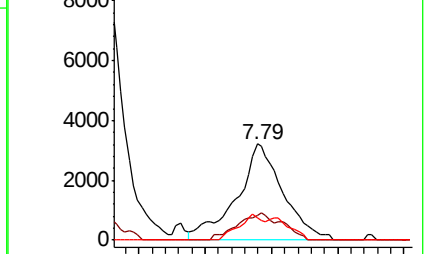
77 14.4 25.0 37.6#



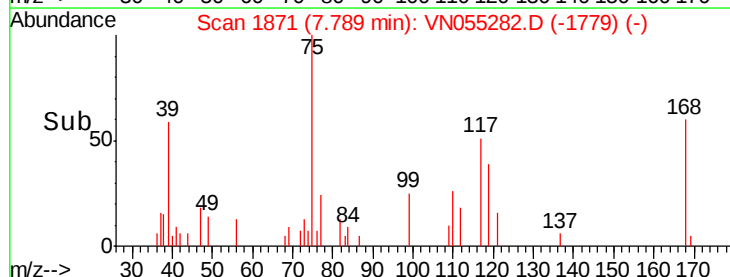
Abundance Ion 74.90 (74.60 to 75.60): V

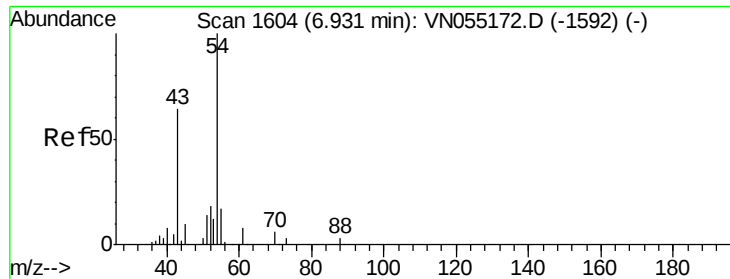
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V



Time-->

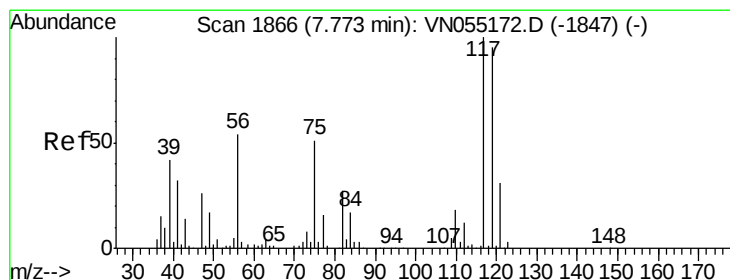
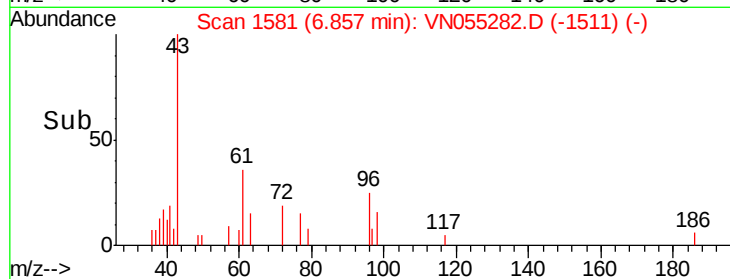
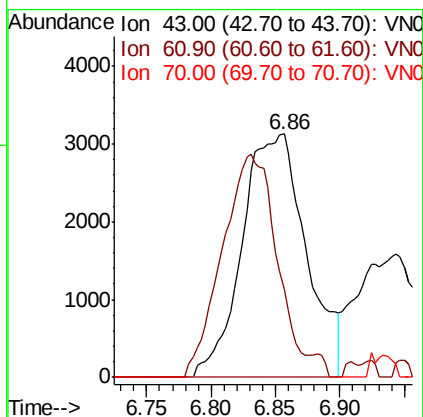
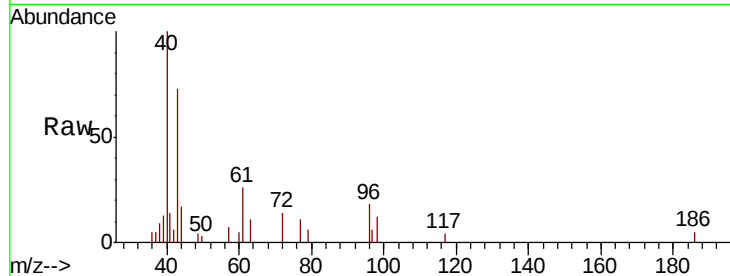




#37
Ethyl Acetate
Concen: 2.213 ug/l
RT: 6.86 min Scan# 1581
Delta R.T. -0.07 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

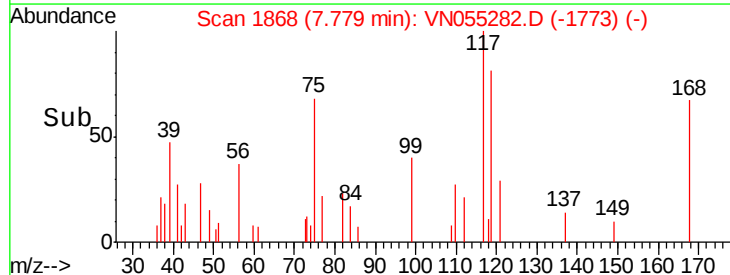
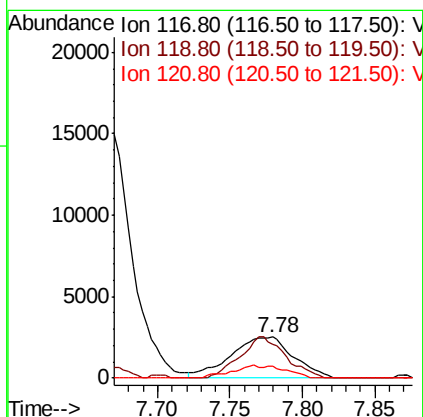
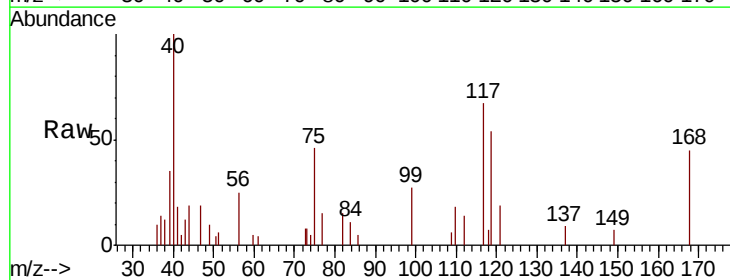
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

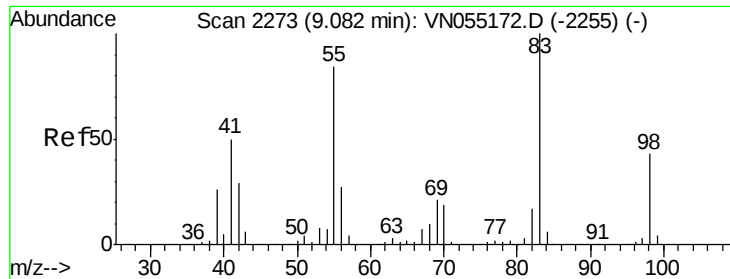
Tgt Ion: 43 Resp: 10831
Ion Ratio Lower Upper
43 100
61 0.0 10.4 15.6#
70 0.0 6.6 10.0#



#38
Carbon Tetrachloride
Concen: 1.328 ug/l
RT: 7.78 min Scan# 1868
Delta R.T. 0.01 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 117 Resp: 7590
Ion Ratio Lower Upper
117 100
119 81.2 77.0 115.6
121 28.5 23.8 35.8

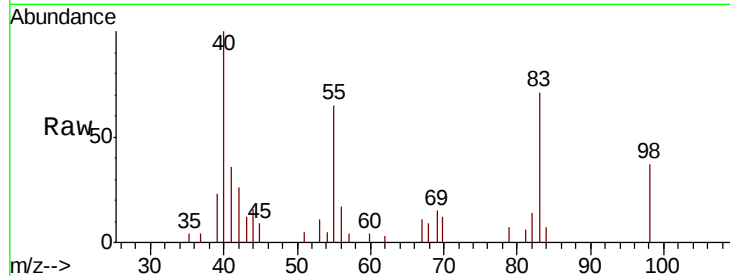




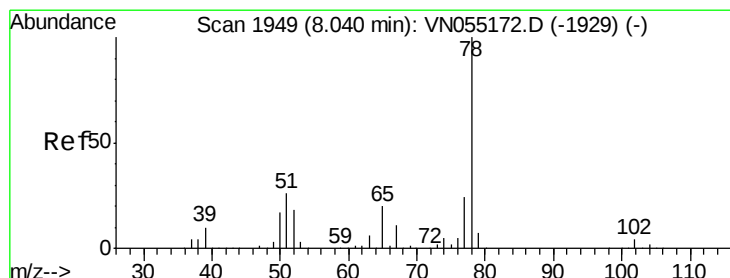
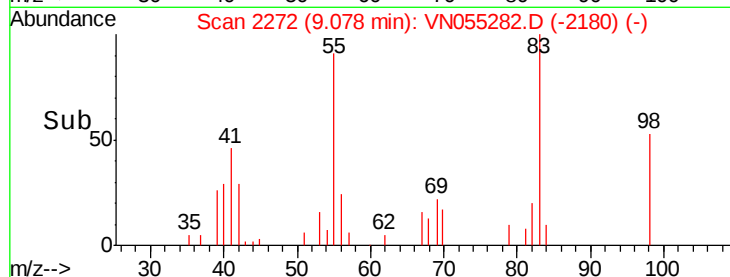
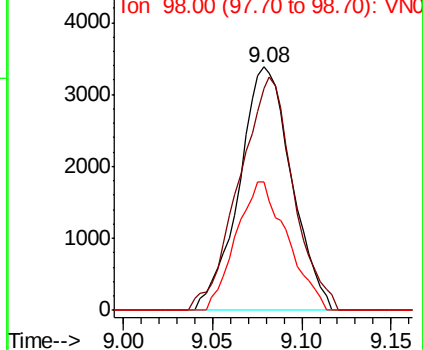
#39
Methylcyclohexane
Concen: 0.961 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion: 83 Resp: 6933
Ion Ratio Lower Upper
83 100
55 91.2 67.8 101.6
98 52.6 36.2 54.4

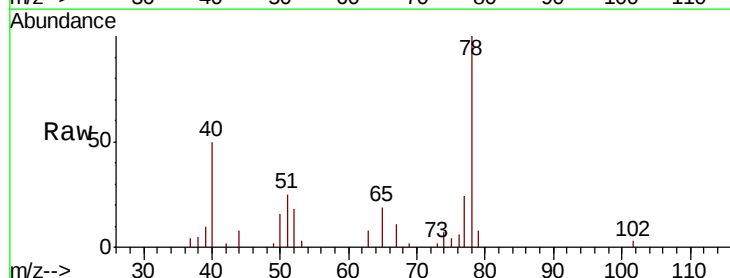


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

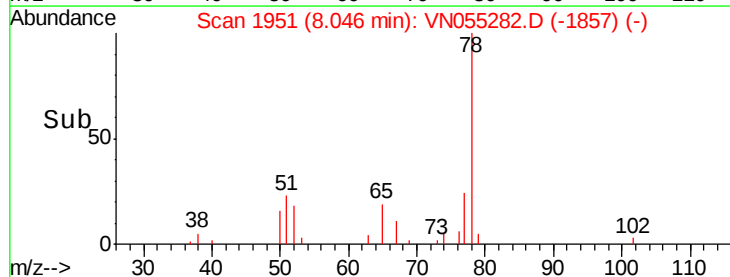
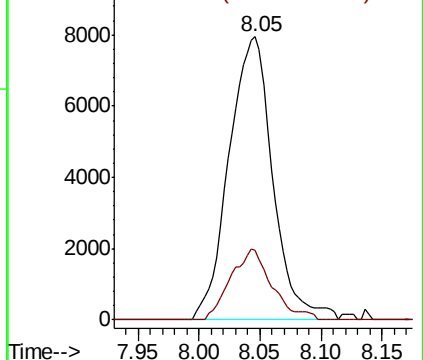


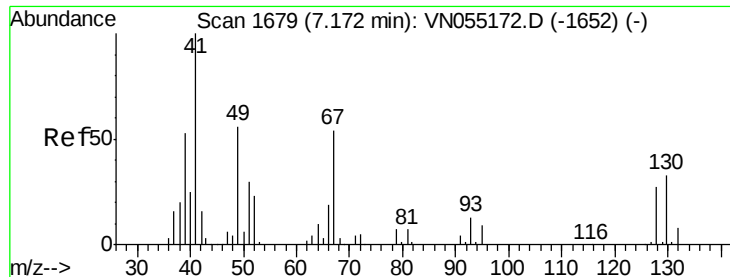
#40
Benzene
Concen: 1.051 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 78 Resp: 19771
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.6



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





#41

Methacrylonitrile

Concen: 1.277 ug/l

RT: 7.18 min Scan# 1681

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 41 Resp: 3285

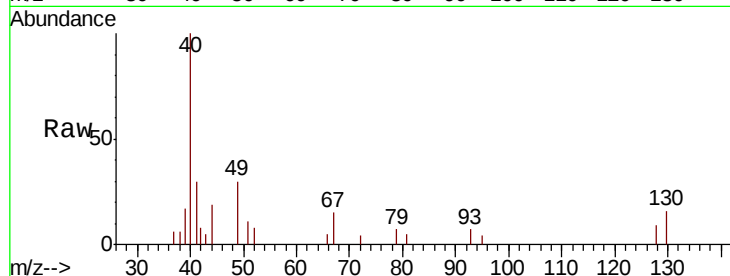
Ion Ratio Lower Upper

41 100

39 4.8 48.5 72.7#

67 48.4 54.9 82.3#

52 11.1 24.9 37.3#

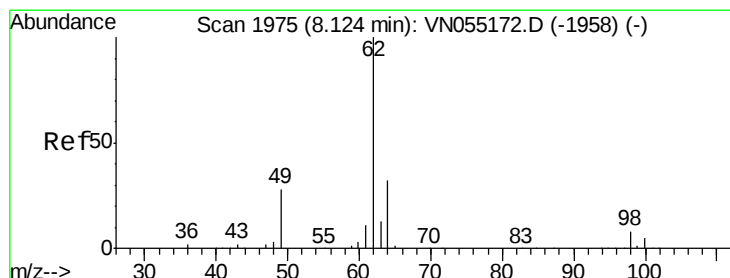
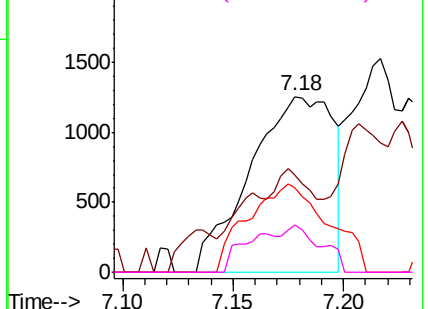
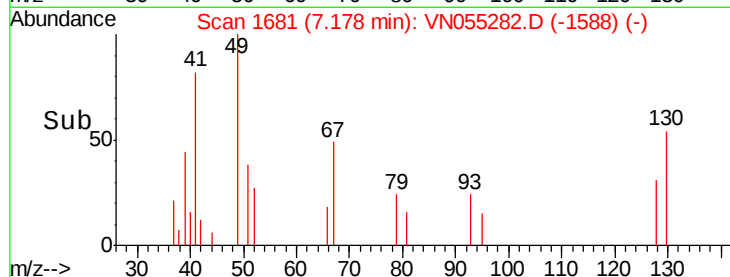


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 67.00 (66.70 to 67.70): VN0

Ion 52.00 (51.70 to 52.70): VN0



#42

1,2-Dichloroethane

Concen: 1.075 ug/l

RT: 8.12 min Scan# 1975

Delta R.T. -0.00 min

Lab File: VN055282.D

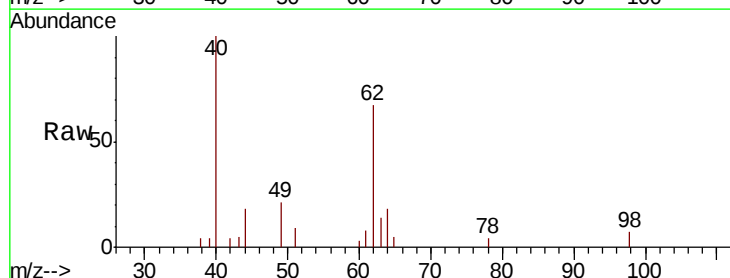
Acq: 29 Apr 2019 9:50

Tgt Ion: 62 Resp: 7059

Ion Ratio Lower Upper

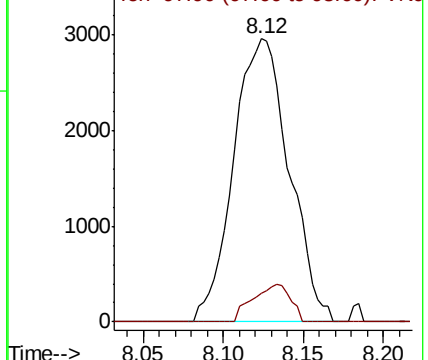
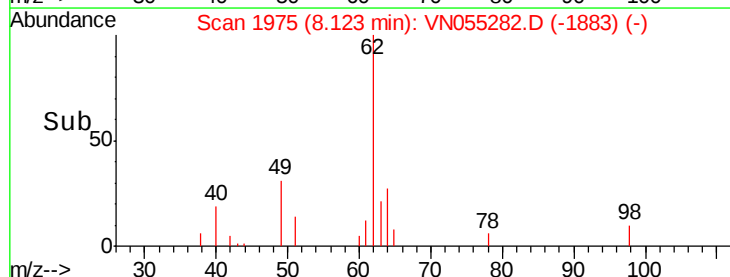
62 100

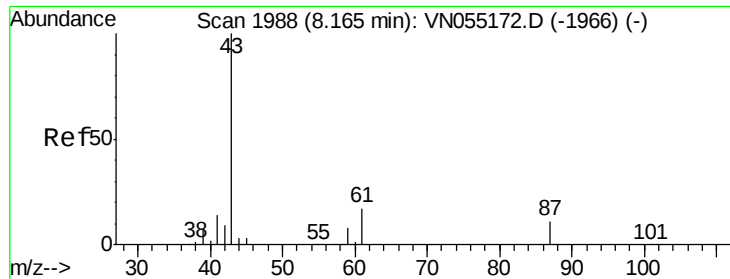
98 9.0 0.0 16.4



Abundance Ion 61.90 (61.60 to 62.60): VN0

Ion 97.90 (97.60 to 98.60): VN0





#43

Isopropyl Acetate

Concen: 0.987 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

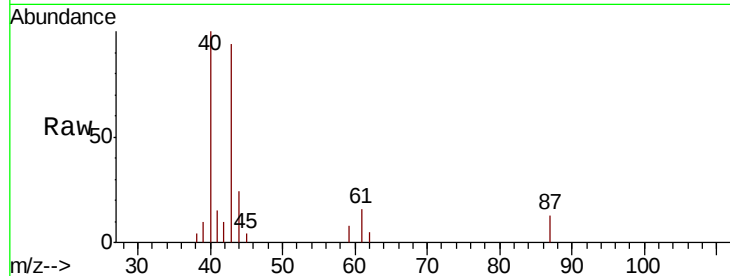
Tgt Ion: 43 Resp: 7863

Ion Ratio Lower Upper

43 100

61 3.6 20.8 31.2#

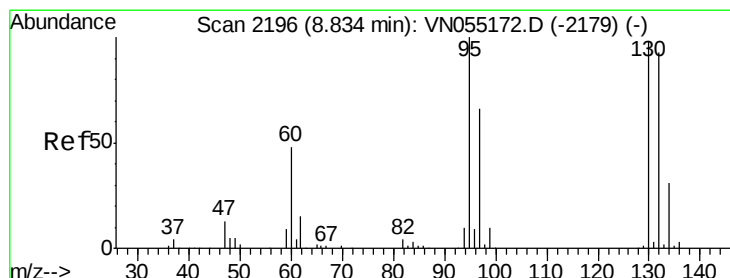
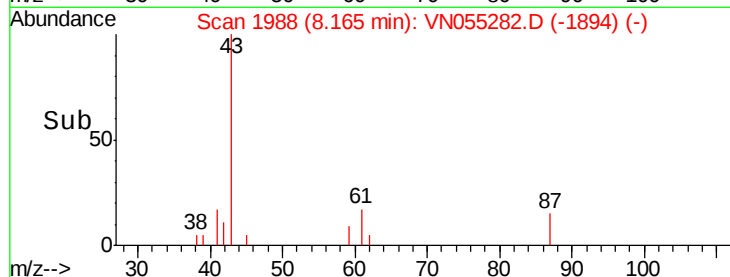
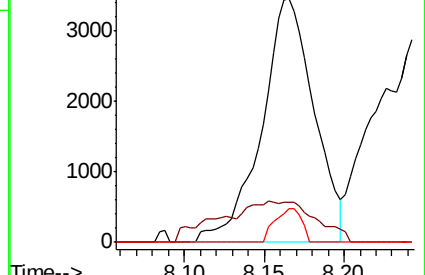
87 7.1 8.5 12.7#



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

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

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



#44

Trichloroethene

Concen: 1.173 ug/l

RT: 8.83 min Scan# 2196

Delta R.T. 0.00 min

Lab File: VN055282.D

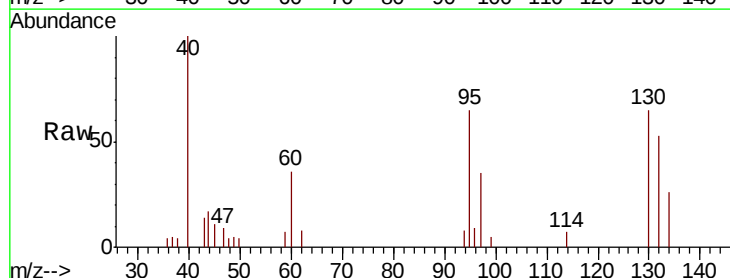
Acq: 29 Apr 2019 9:50

Tgt Ion: 130 Resp: 5567

Ion Ratio Lower Upper

130 100

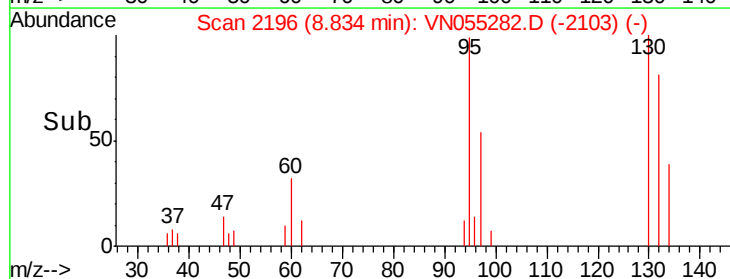
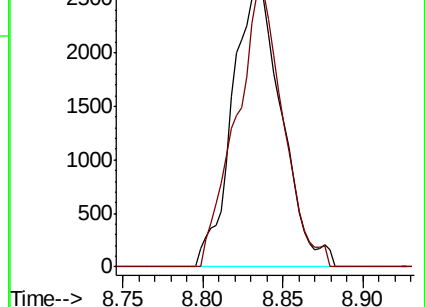
95 99.1 0.0 203.4

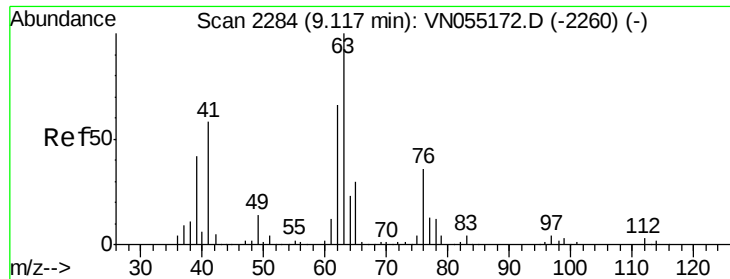


Abundance Ion 129.80 (129.50 to 130.50): VN055172.D (-2179) (-)

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

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





#45

1,2-Dichloropropane

Concen: 1.156 ug/l

RT: 9.12 min Scan# 2284

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

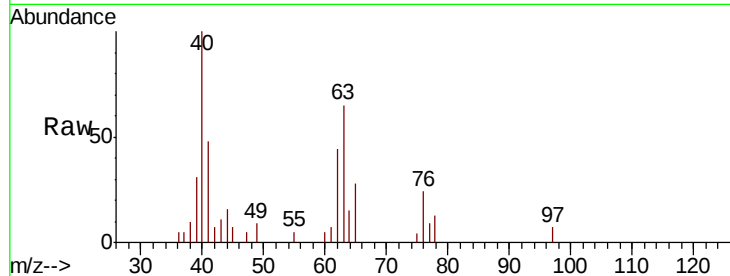
VSTDIC001

Tgt Ion: 63 Resp: 6155

Ion Ratio Lower Upper

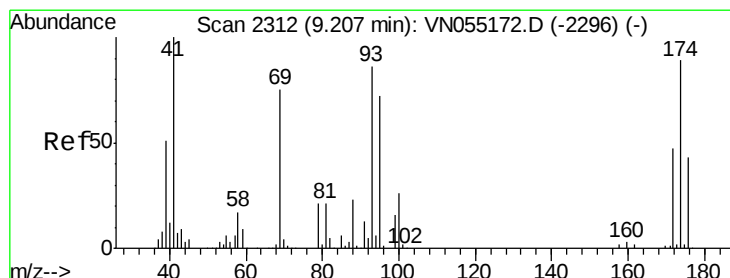
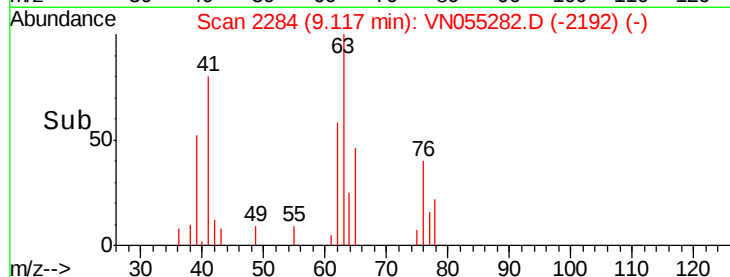
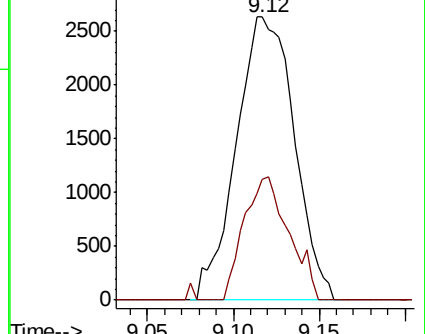
63 100

65 42.9 23.9 35.9#



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 1.028 ug/l

RT: 9.21 min Scan# 2313

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

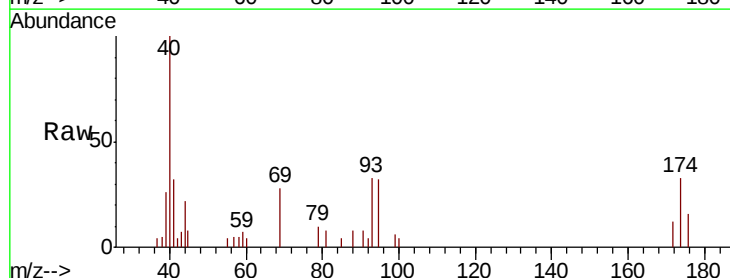
Tgt Ion: 93 Resp: 3117

Ion Ratio Lower Upper

93 100

95 90.5 65.7 98.5

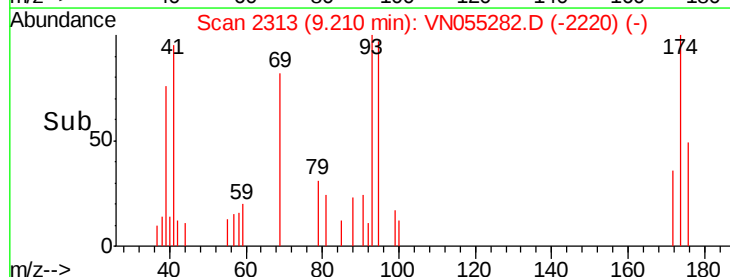
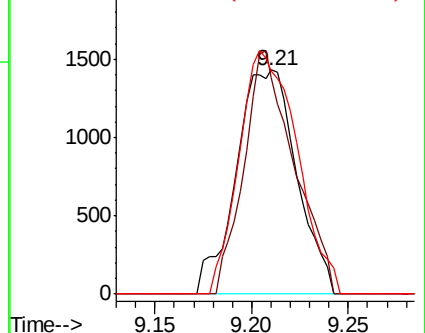
174 104.1 81.5 122.3

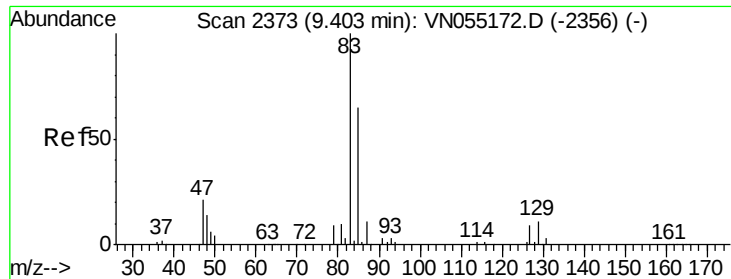


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.100 ug/l

RT: 9.40 min Scan# 2373

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

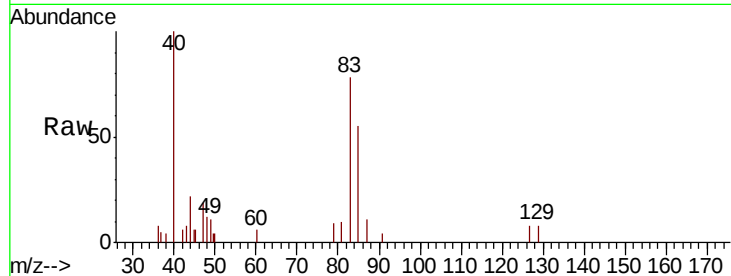
Tgt Ion: 83 Resp: 6710

Ion Ratio Lower Upper

83 100

85 71.1 50.1 75.1

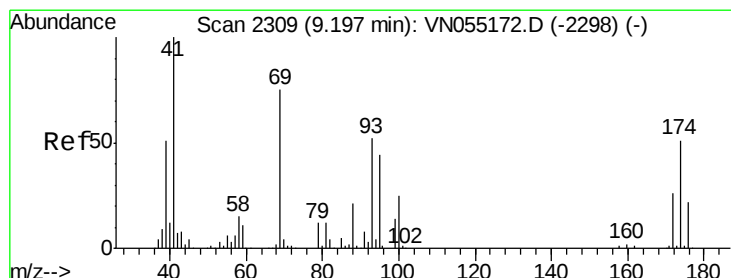
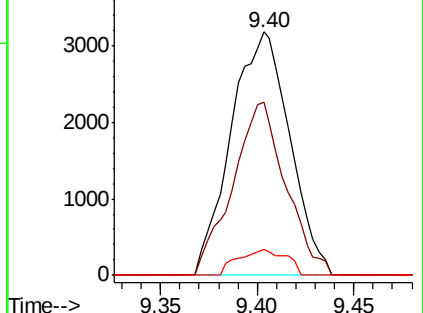
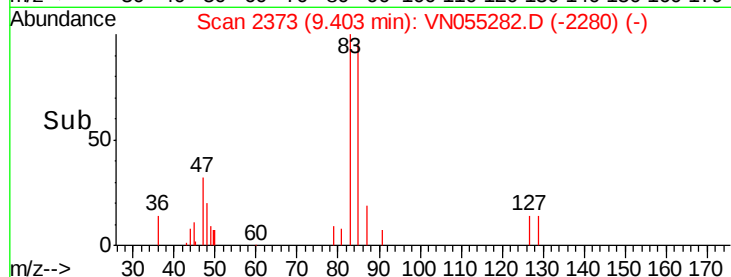
127 10.5 6.7 10.1#



Abundance Ion 82.90 (82.60 to 83.60): VN055282.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055282.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055282.D (-2280) (-)



#48

Methyl methacrylate

Concen: 1.076 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

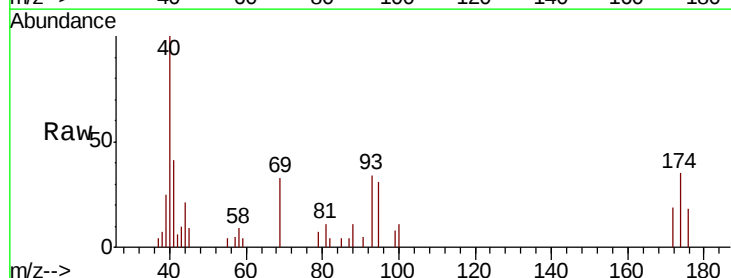
Tgt Ion: 41 Resp: 4181

Ion Ratio Lower Upper

41 100

69 73.5 58.6 87.8

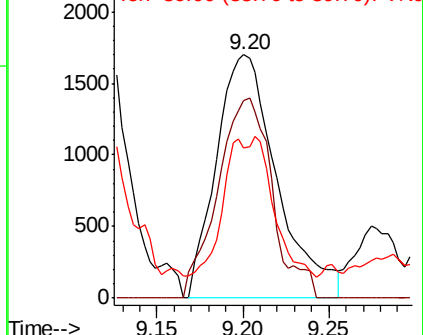
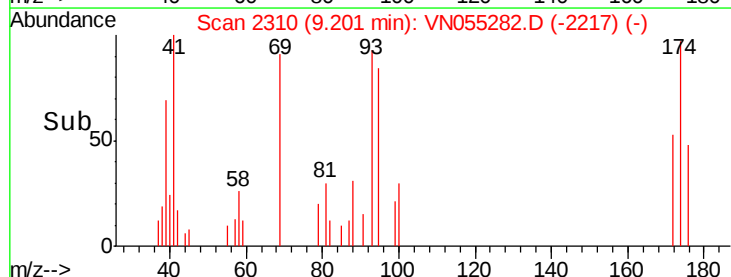
39 21.1 43.8 65.6#

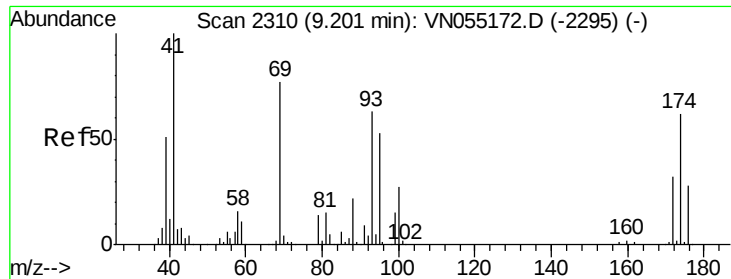


Abundance Ion 41.00 (40.70 to 41.70): VN055282.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055282.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055282.D (-2217) (-)

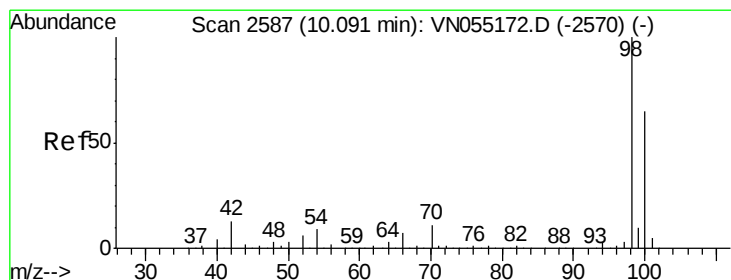
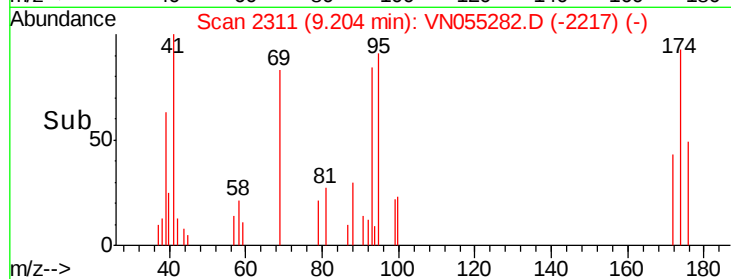
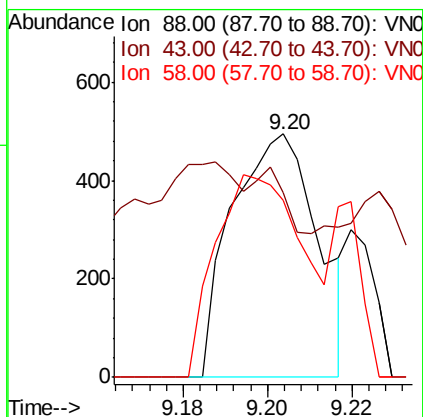
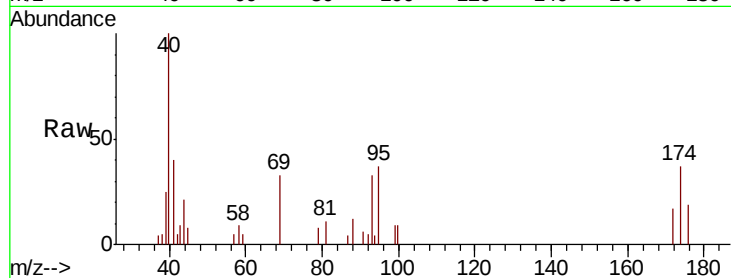




#49
 1,4-Dioxane
 Concen: 15.881 ug/l
 RT: 9.20 min Scan# 2311
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

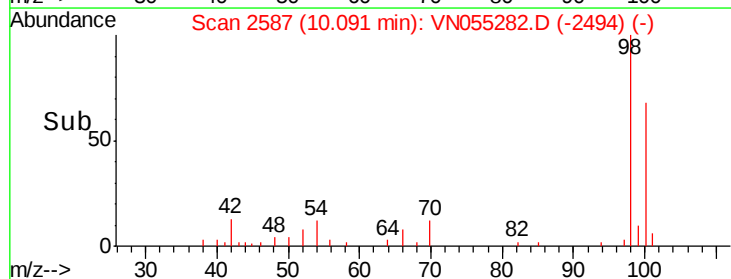
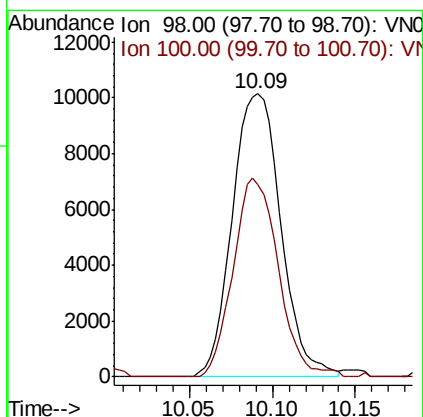
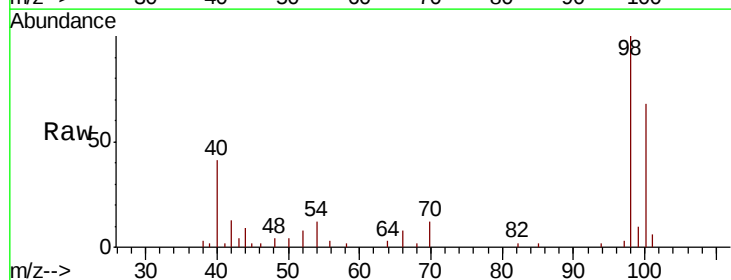
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

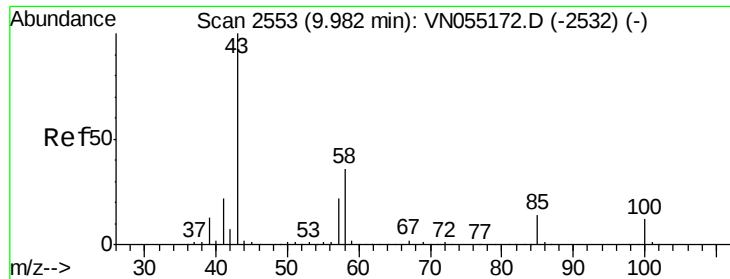
Tgt Ion: 88 Resp: 696
 Ion Ratio Lower Upper
 88 100
 43 0.0 33.3 49.9#
 58 23.7 62.7 94.1#



#50
 Toluene-d8
 Concen: 1.256 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 98 Resp: 20688
 Ion Ratio Lower Upper
 98 100
 100 65.4 51.7 77.5

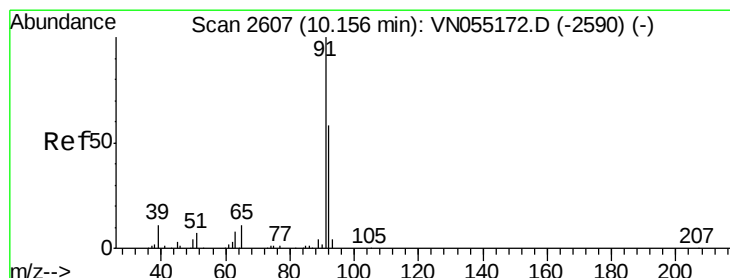
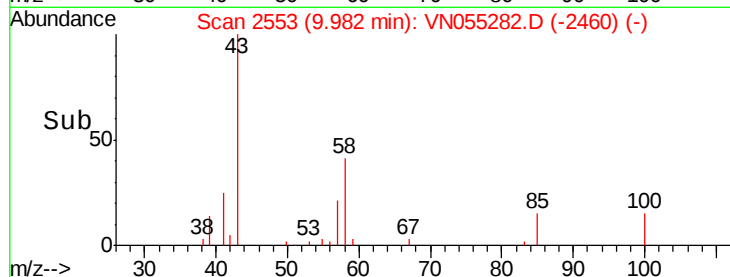
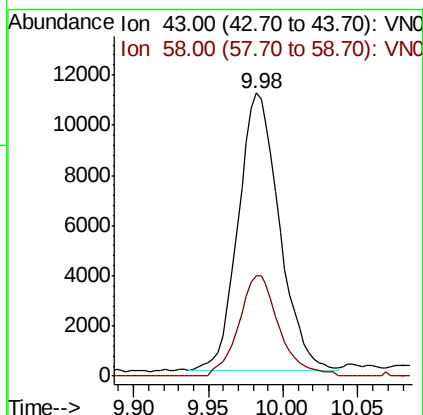
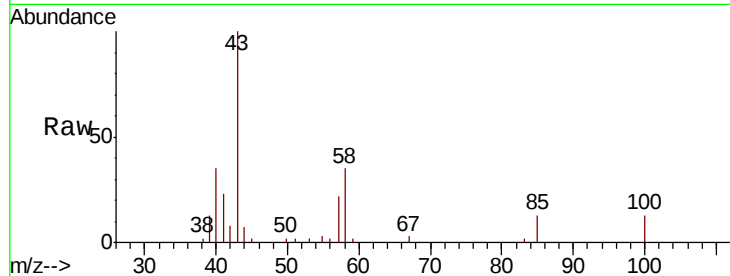




#51
 4-Methyl-2-Pentanone
 Concen: 4.601 ug/l
 RT: 9.98 min Scan# 2553
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

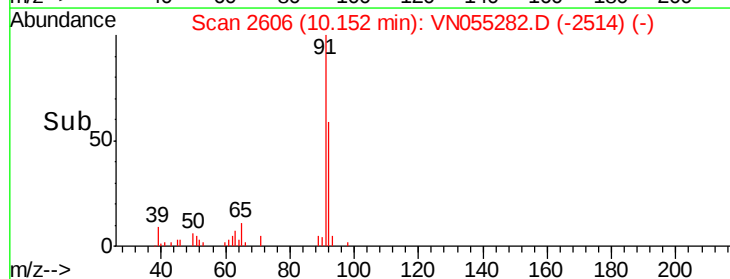
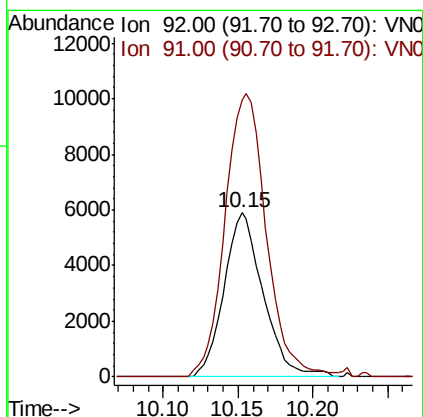
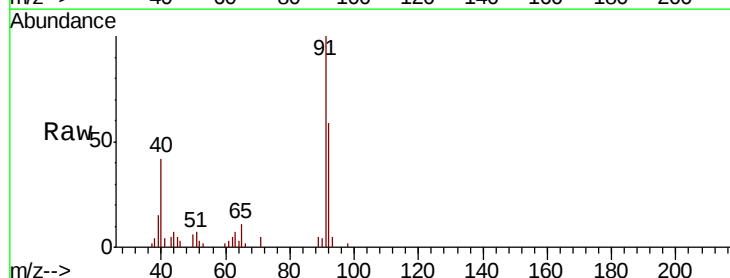
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

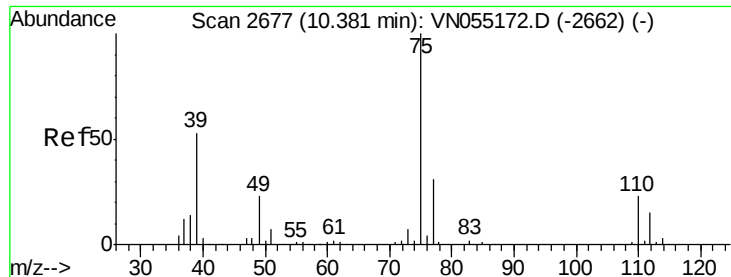
Tgt Ion: 43 Resp: 21081
 Ion Ratio Lower Upper
 43 100
 58 35.7 28.5 42.7



#52
 Toluene
 Concen: 0.979 ug/l
 RT: 10.15 min Scan# 2606
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion: 92 Resp: 10742
 Ion Ratio Lower Upper
 92 100
 91 182.0 140.1 210.1





#53

t-1,3-Dichloropropene

Concen: 0.917 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

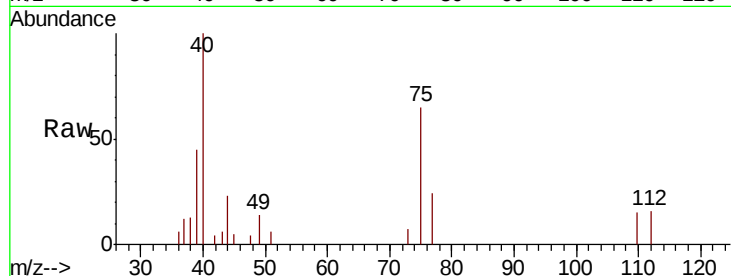
VSTDIC001

Tgt Ion: 75 Resp: 5132

Ion Ratio Lower Upper

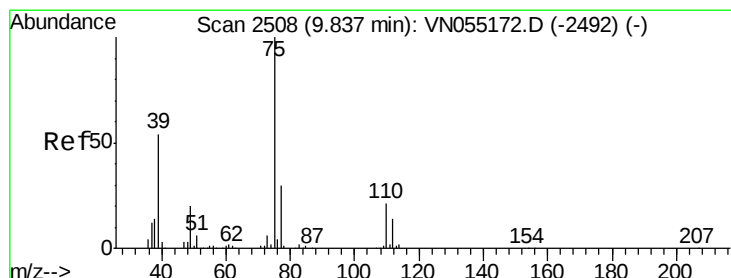
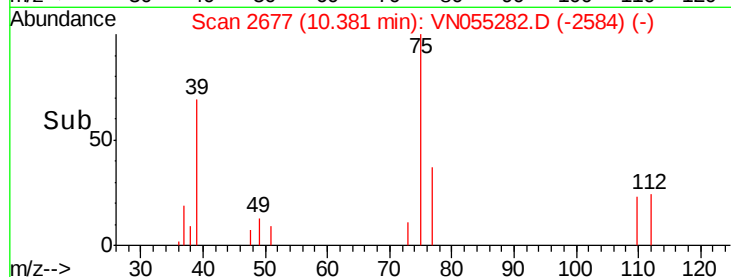
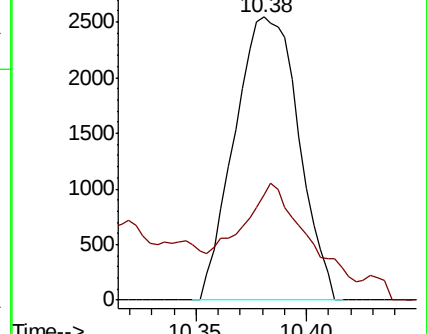
75 100

77 25.7 24.4 36.6



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#54

cis-1,3-Dichloropropene

Concen: 0.925 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

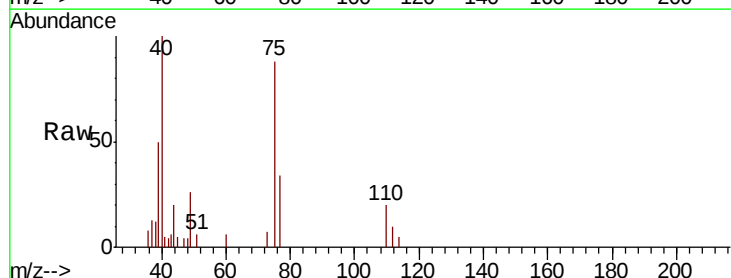
Tgt Ion: 75 Resp: 6423

Ion Ratio Lower Upper

75 100

77 38.8 24.2 36.2#

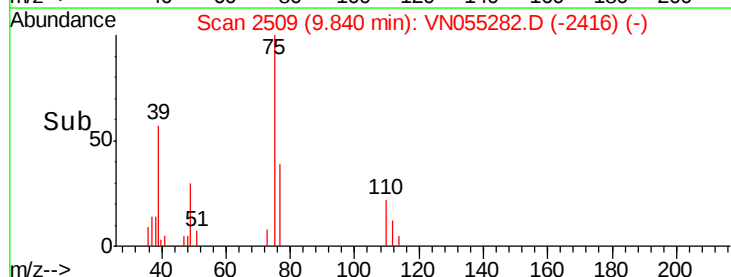
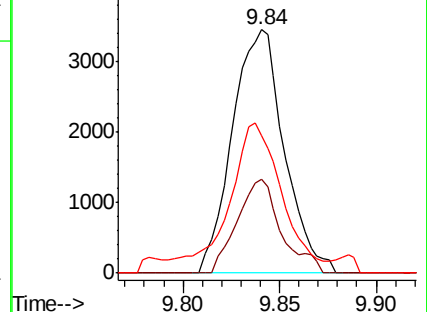
39 50.0 44.2 66.2

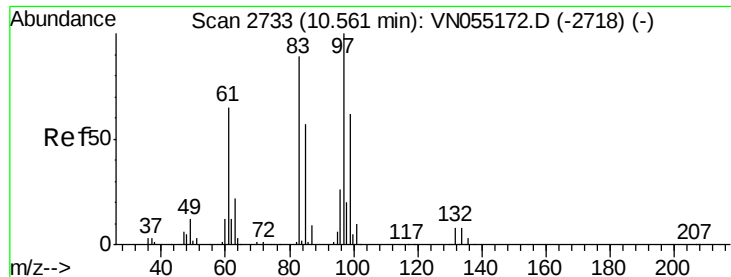


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0





#55

1,1,2-Trichloroethane

Concen: 1.018 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

Tgt Ion: 97 Resp: 4145

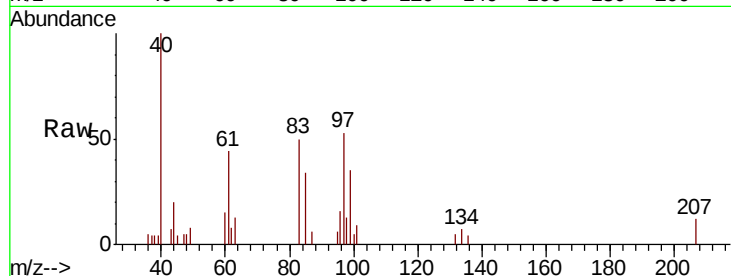
Ion Ratio Lower Upper

97 100

83 94.0 72.8 109.2

85 64.2 47.0 70.6

99 64.7 49.0 73.4

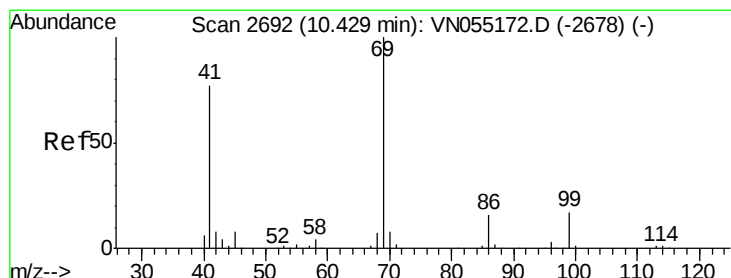
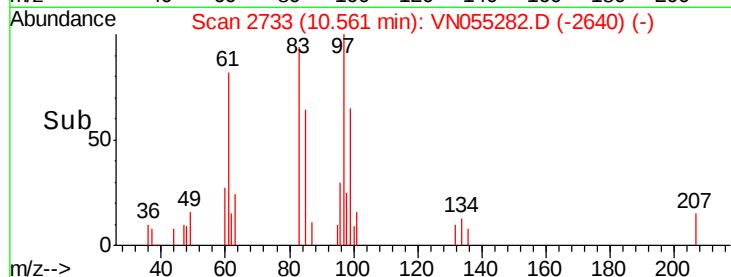
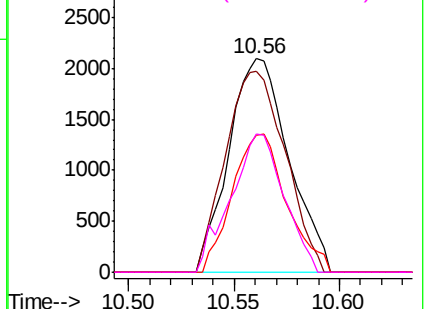


Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0



#56

Ethyl methacrylate

Concen: 0.826 ug/l

RT: 10.43 min Scan# 2691

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

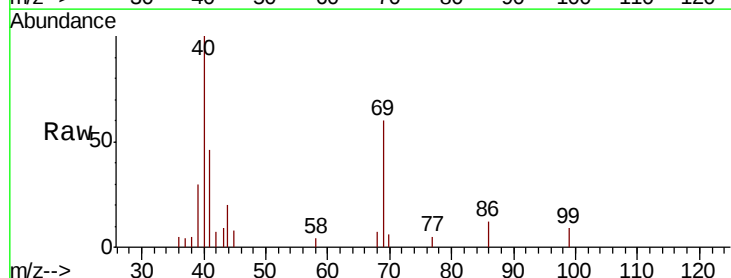
Tgt Ion: 69 Resp: 4174

Ion Ratio Lower Upper

69 100

41 96.6 62.7 94.1#

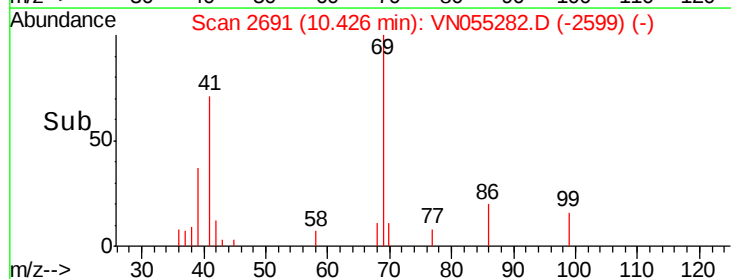
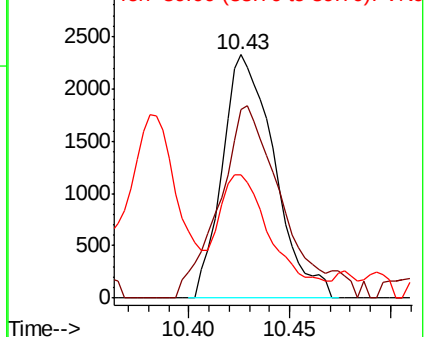
39 54.9 32.0 48.0#

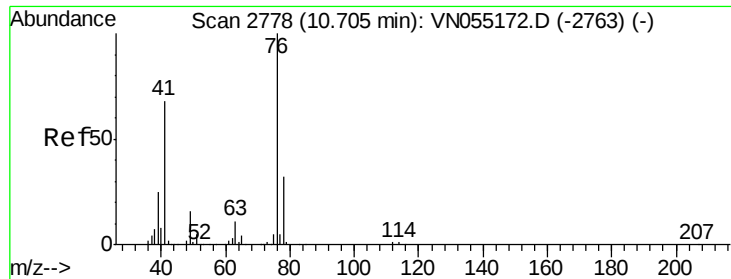


Abundance Ion 69.00 (68.70 to 69.70): VN0

Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0





#57

1,3-Dichloropropane

Concen: 1.011 ug/l

RT: 10.71 min Scan# 2779

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

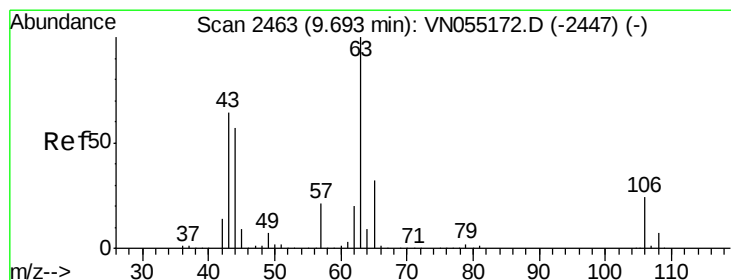
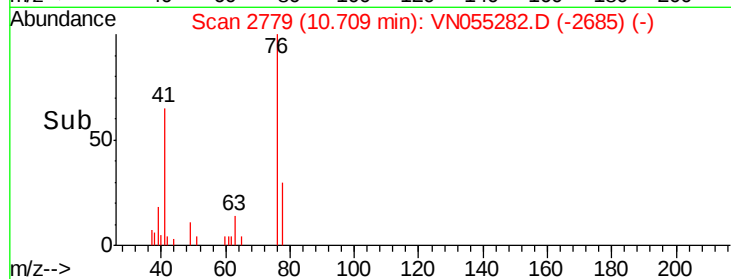
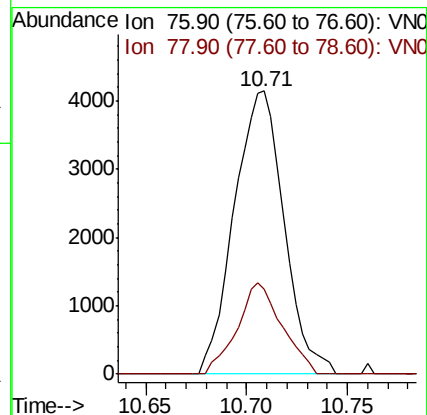
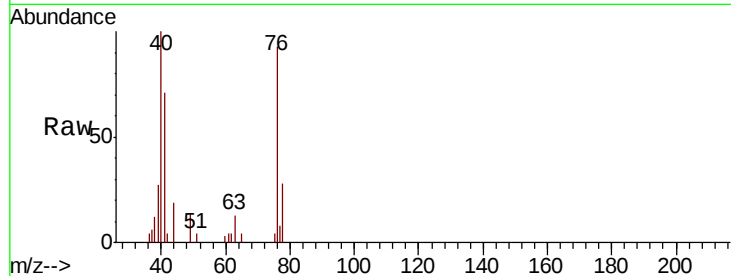
VSTDIC001

Tgt Ion: 76 Resp: 7153

Ion Ratio Lower Upper

76 100

78 28.9 25.6 38.4



#58

2-Chloroethyl Vinyl ether

Concen: 3.615 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. -0.00 min

Lab File: VN055282.D

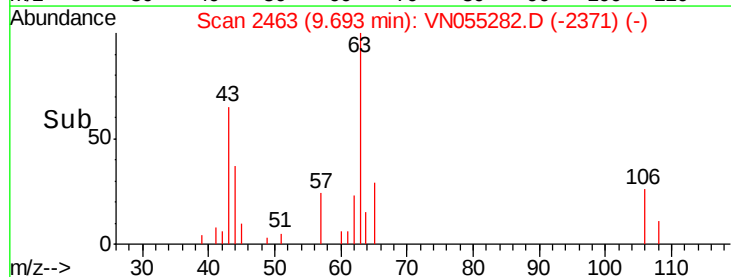
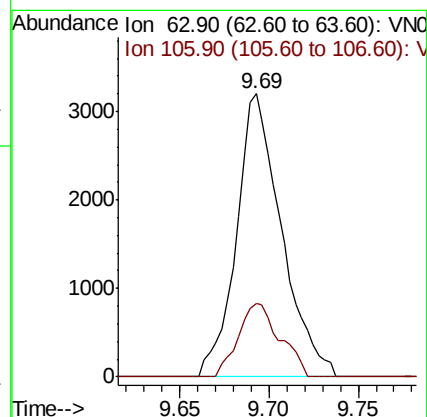
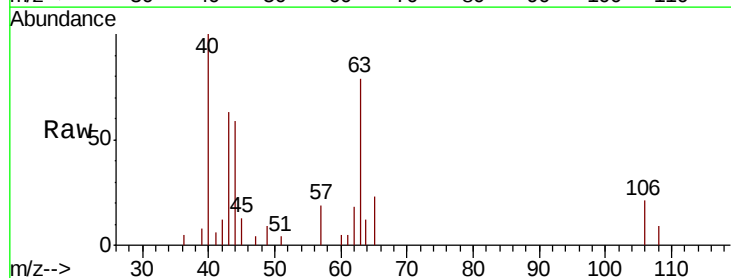
Acq: 29 Apr 2019 9:50

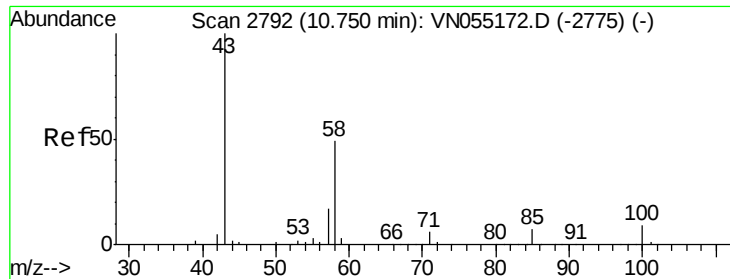
Tgt Ion: 63 Resp: 5640

Ion Ratio Lower Upper

63 100

106 24.0 19.0 28.4

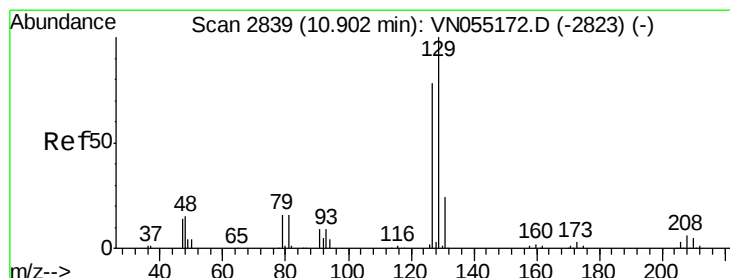
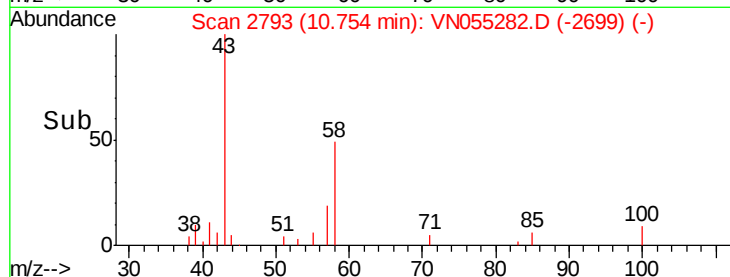
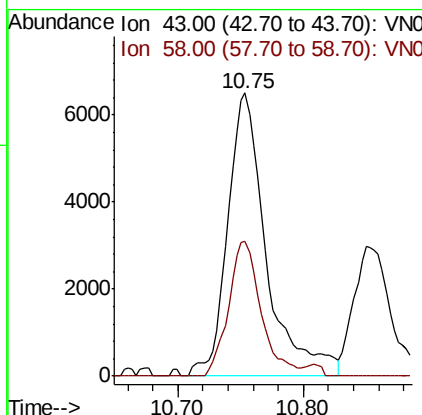
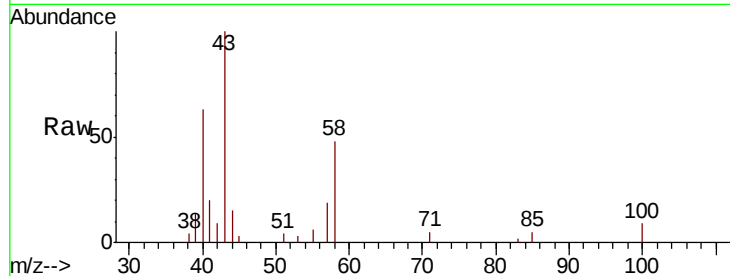




#59
2-Hexanone
Concen: 4.877 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

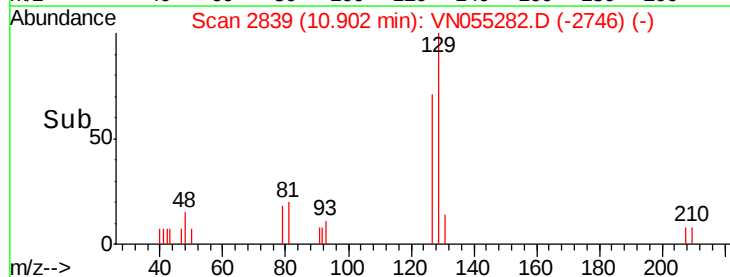
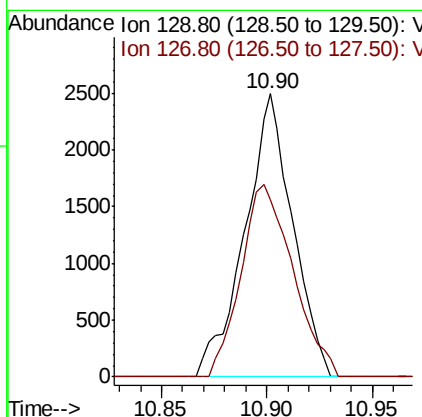
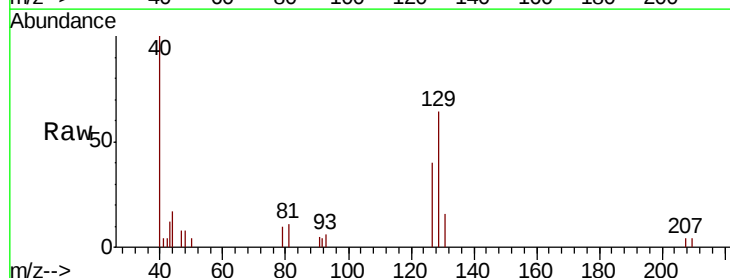
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

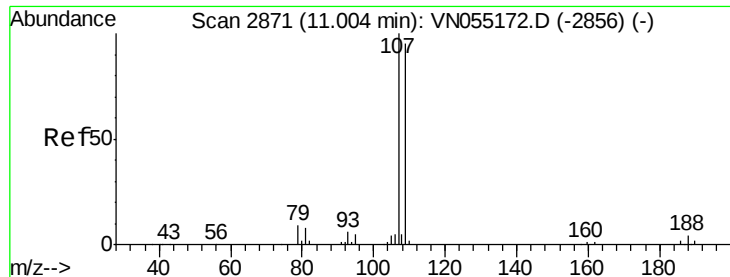
Tgt Ion: 43 Resp: 13948
Ion Ratio Lower Upper
43 100
58 40.1 24.9 74.6



#60
Dibromochloromethane
Concen: 0.938 ug/l
RT: 10.90 min Scan# 2839
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 129 Resp: 3936
Ion Ratio Lower Upper
129 100
127 73.8 38.1 114.5





#61

1,2-Dibromoethane

Concen: 0.974 ug/l

RT: 11.00 min Scan# 2870

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

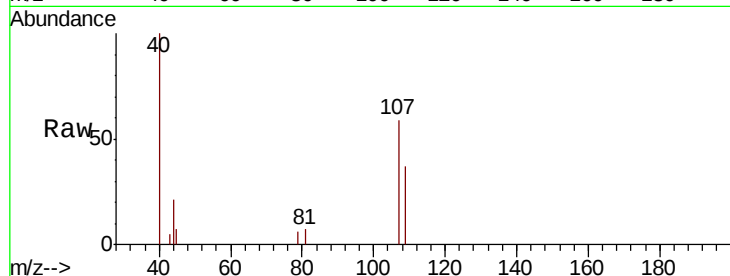
VSTDIC001

Tgt Ion: 107 Resp: 3710

Ion Ratio Lower Upper

107 100

109 84.9 75.0 112.6



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V

11.00

2500

2000

1500

1000

500

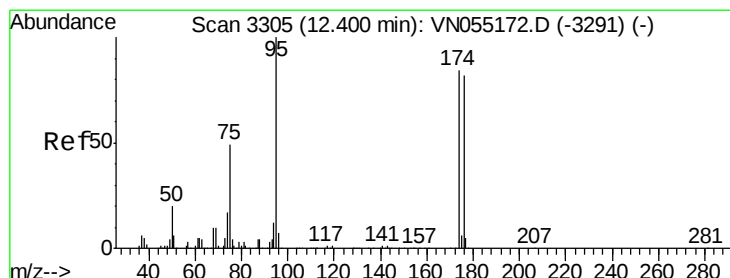
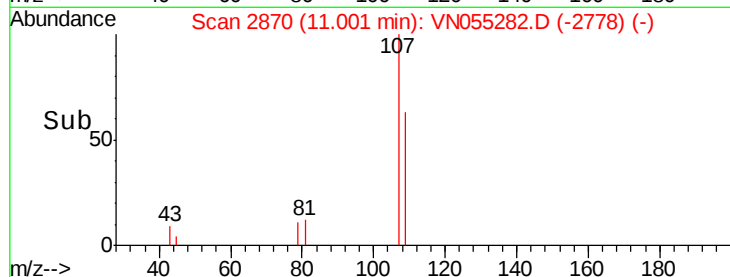
0

Time-->

10.95

11.00

11.05



#62

4-Bromofluorobenzene

Concen: 1.336 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

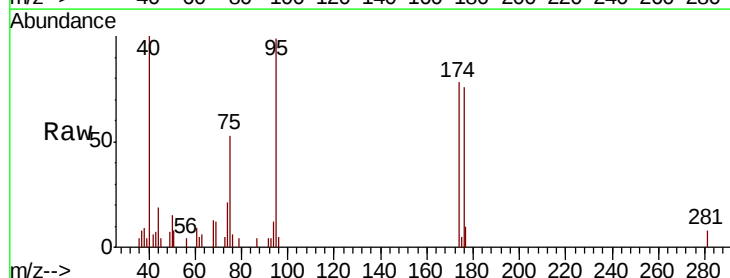
Tgt Ion: 95 Resp: 6948

Ion Ratio Lower Upper

95 100

174 78.9 0.0 166.6

176 78.7 0.0 157.8



Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

5000

4000

3000

2000

1000

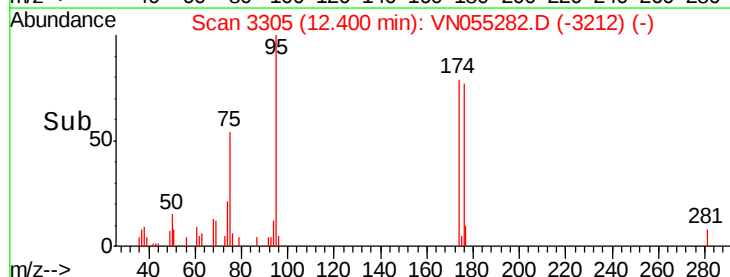
0

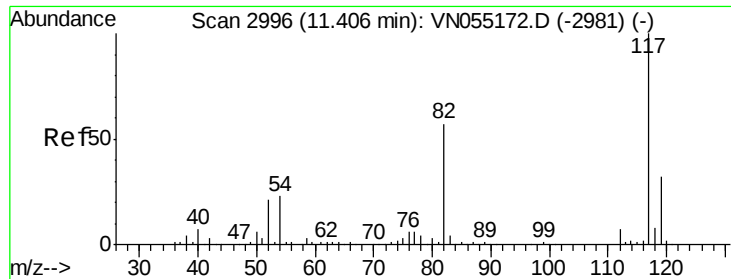
Time-->

12.35

12.40

12.45

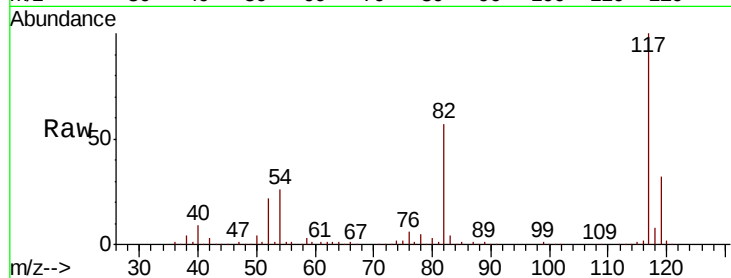




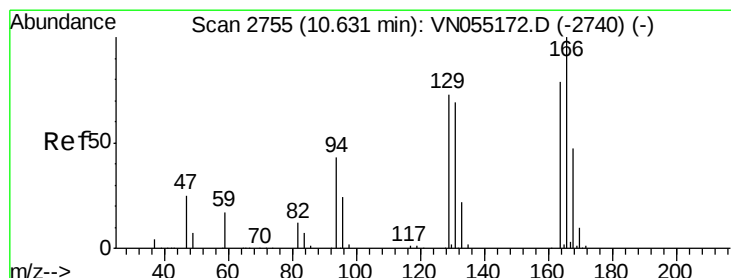
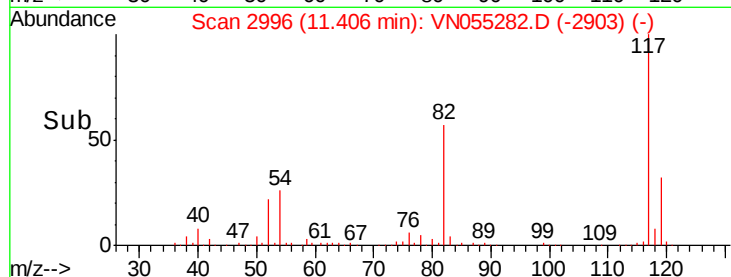
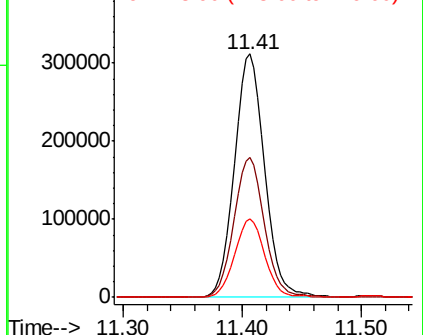
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tgt Ion:117 Resp: 548629
Ion Ratio Lower Upper
117 100
82 57.5 46.2 69.4
119 32.0 26.6 40.0

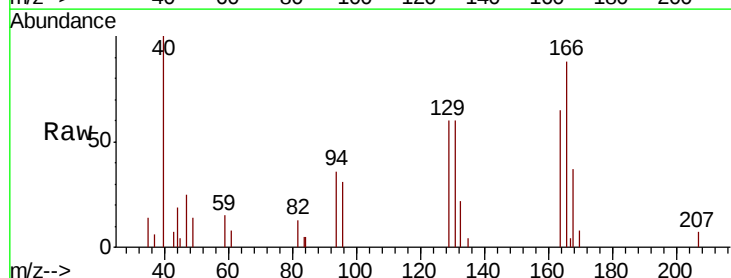


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

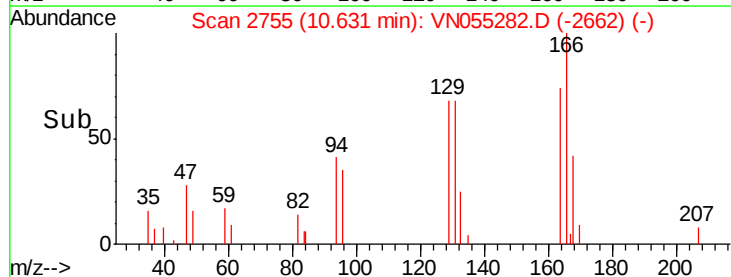
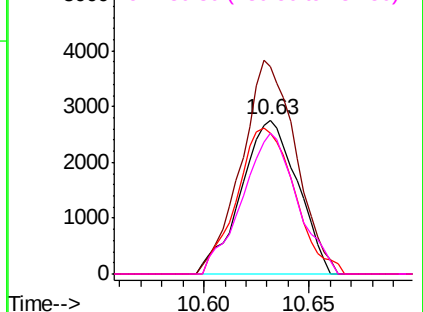


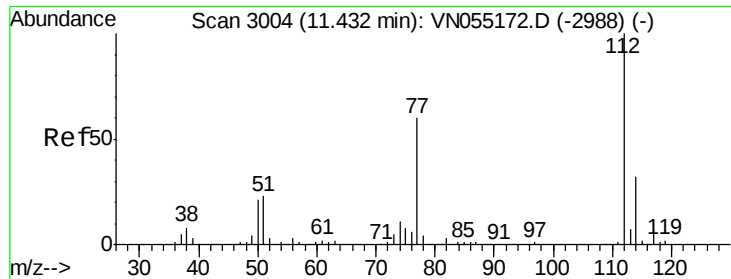
#64
Tetrachloroethene
Concen: 1.153 ug/l
RT: 10.63 min Scan# 2755
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion:164 Resp: 5121
Ion Ratio Lower Upper
164 100
166 134.6 102.3 153.5
129 92.0 75.0 112.6
131 91.4 72.7 109.1



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

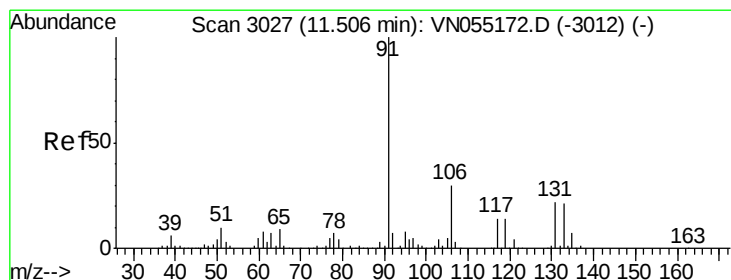
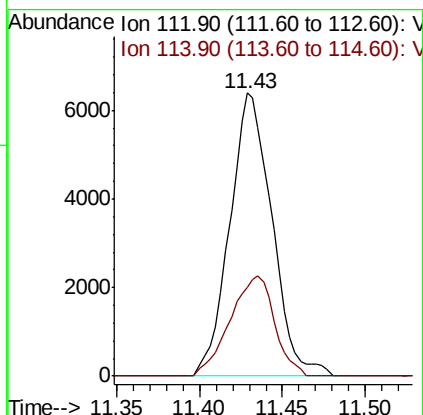
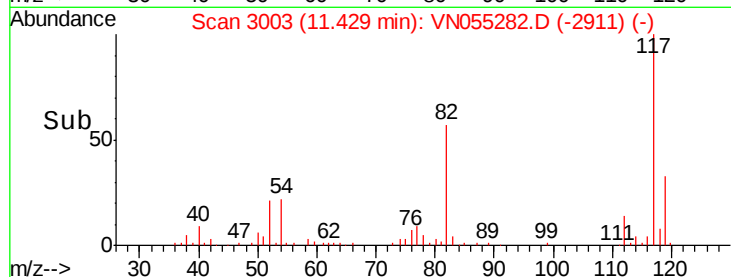
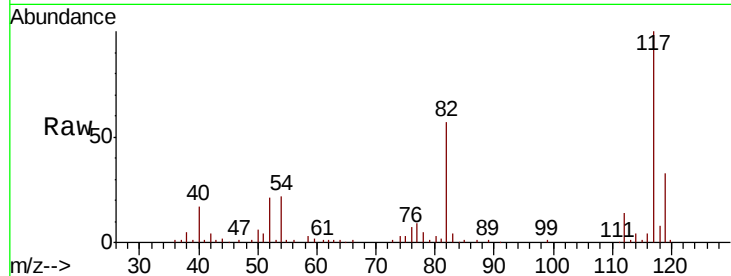




#65
Chlorobenzene
Concen: 1.021 ug/l
RT: 11.43 min Scan# 3003
Delta R.T. -0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

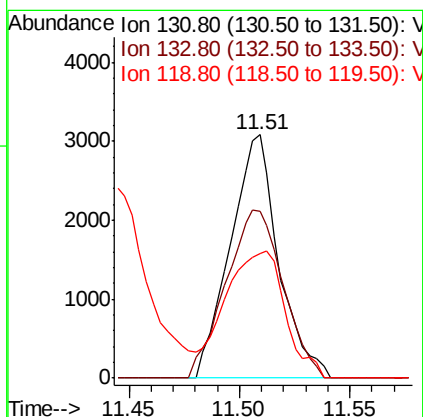
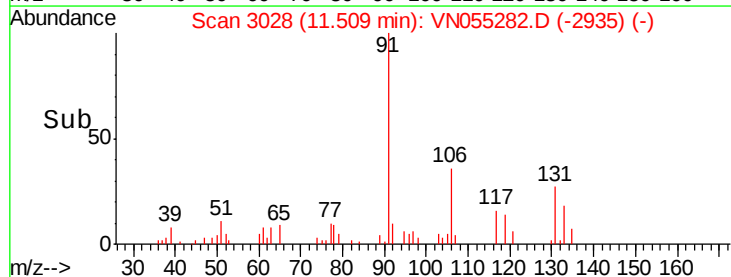
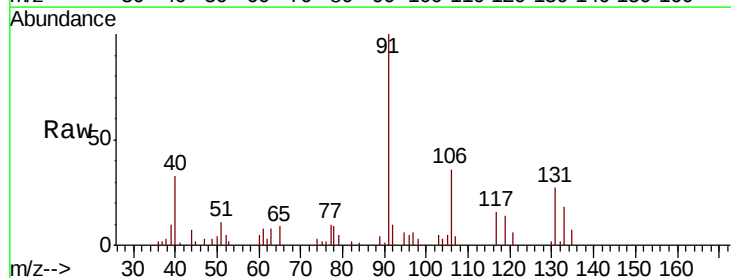
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

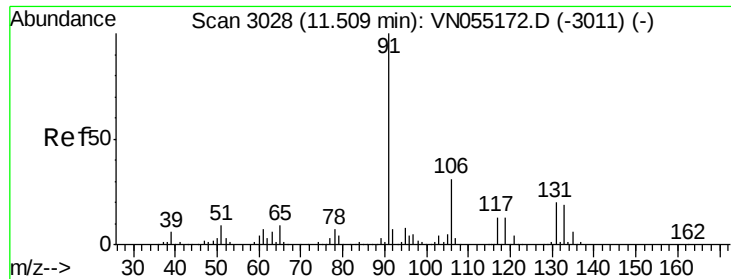
Tgt Ion:112 Resp: 11331
Ion Ratio Lower Upper
112 100
114 31.4 25.3 37.9



#66
1,1,1,2-Tetrachloroethane
Concen: 1.130 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion:131 Resp: 4669
Ion Ratio Lower Upper
131 100
133 81.8 47.5 142.6
119 0.0 32.7 98.1#

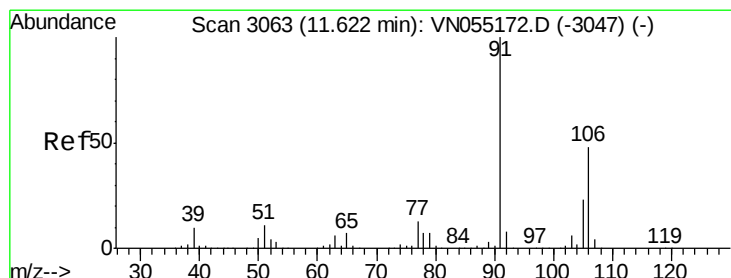
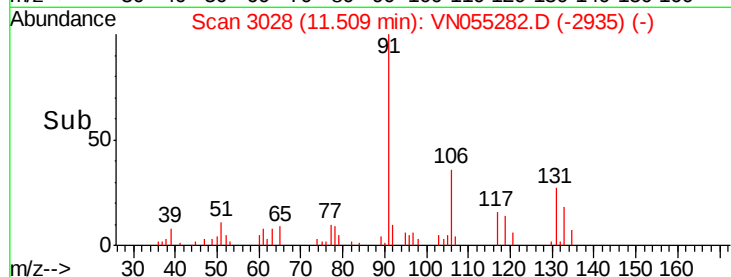
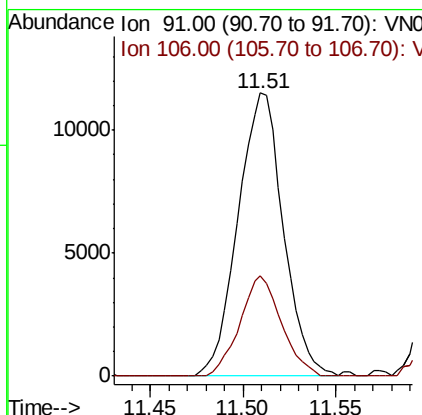
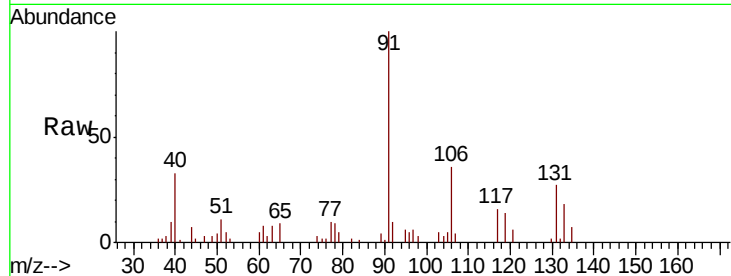




#67
Ethyl Benzene
Concen: 0.984 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

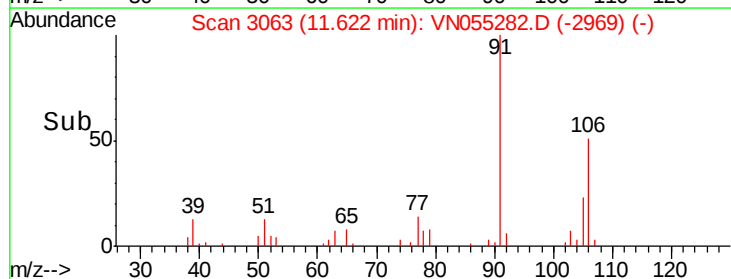
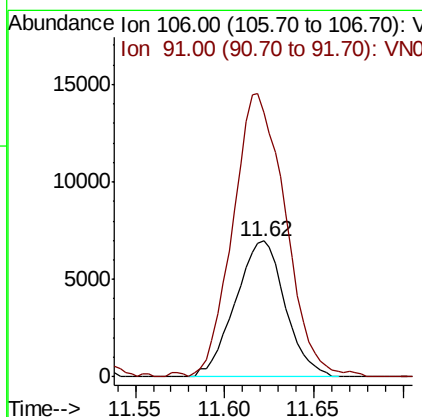
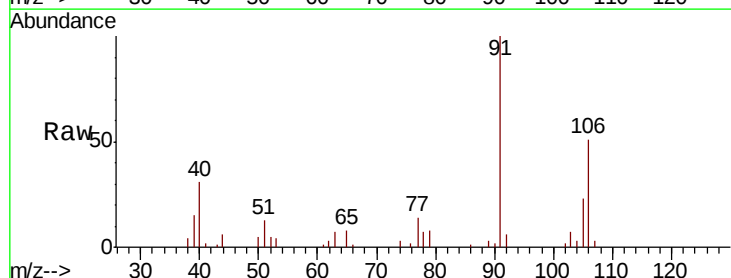
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

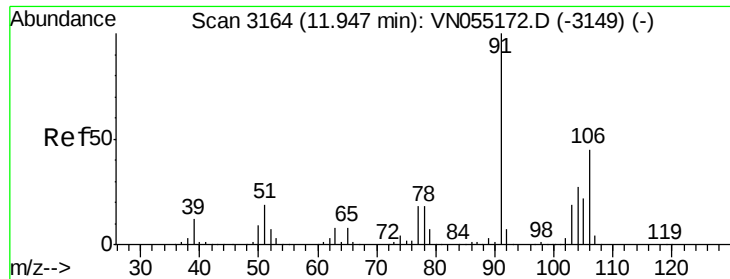
Tgt Ion: 91 Resp: 19469
Ion Ratio Lower Upper
91 100
106 35.7 24.6 36.8



#68
m/p-Xylenes
Concen: 1.921 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion: 106 Resp: 13584
Ion Ratio Lower Upper
106 100
91 219.8 169.5 254.3

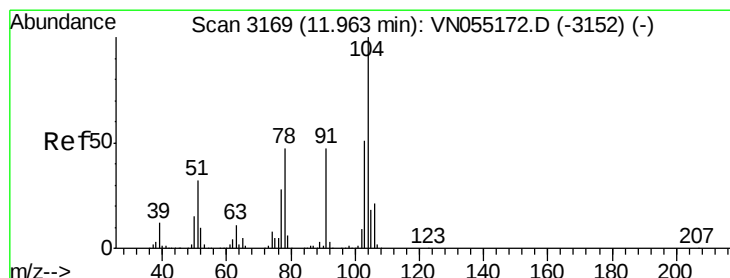
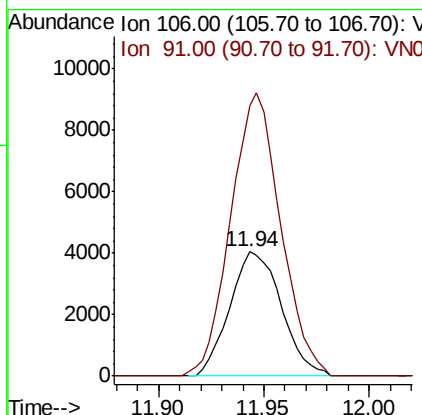
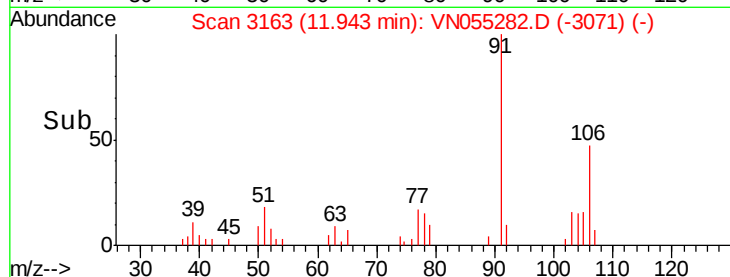
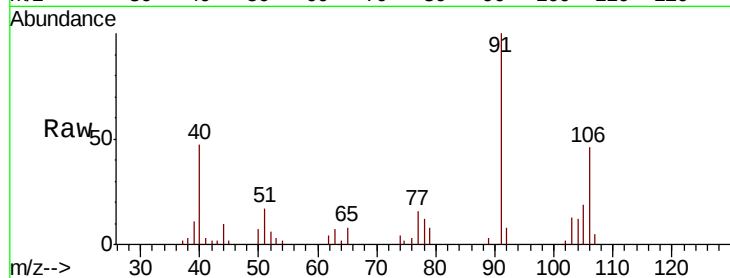




#69
o-Xylene
Concen: 0.981 ug/l
RT: 11.94 min Scan# 3163
Delta R.T. -0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

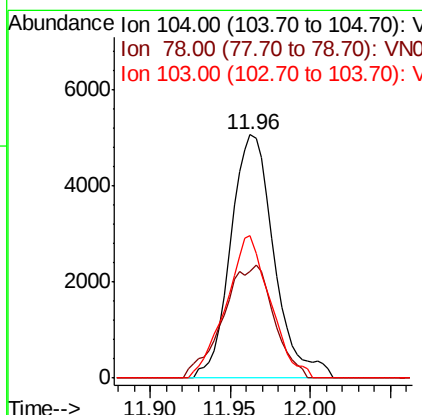
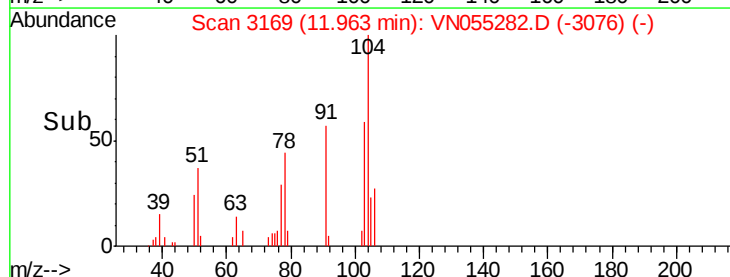
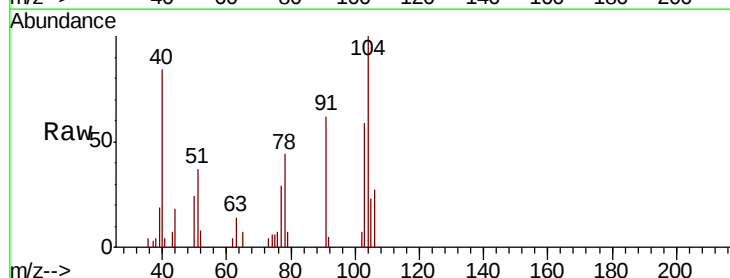
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

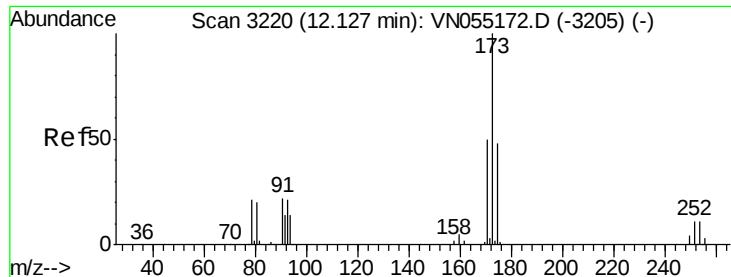
Tgt Ion:106 Resp: 6896
Ion Ratio Lower Upper
106 100
91 219.9 111.5 334.5



#70
Styrene
Concen: 0.860 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055282.D
Acq: 29 Apr 2019 9:50

Tgt Ion:104 Resp: 9343
Ion Ratio Lower Upper
104 100
78 54.5 42.2 63.2
103 59.8 44.6 67.0





#71

Bromoform

Concen: 0.877 ug/l

RT: 12.12 min Scan# 3219

Delta R.T. -0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

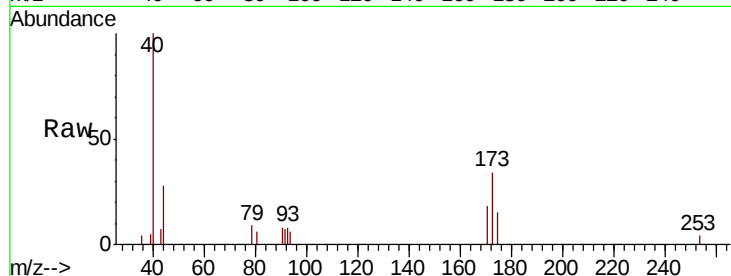
Tgt Ion:173 Resp: 2143

Ion Ratio Lower Upper

173 100

175 27.3 23.6 71.0

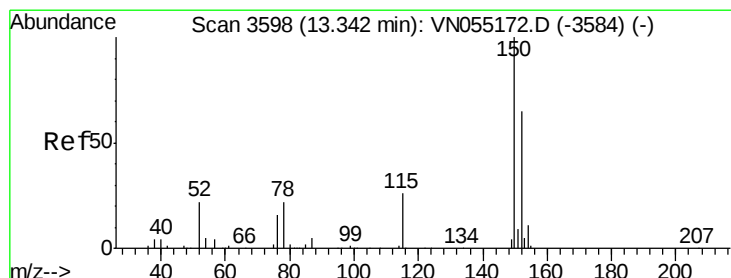
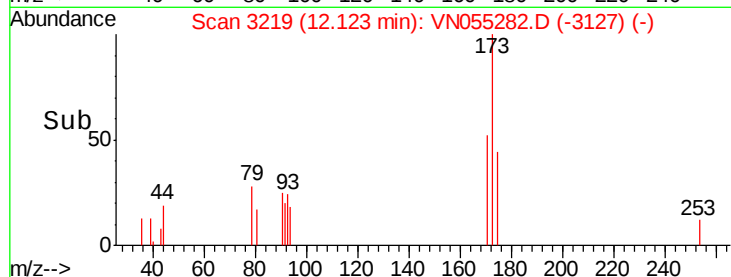
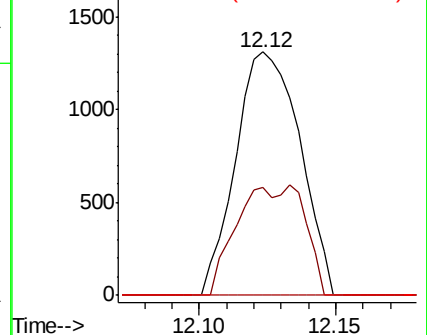
254 0.0 0.0 0.0



Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

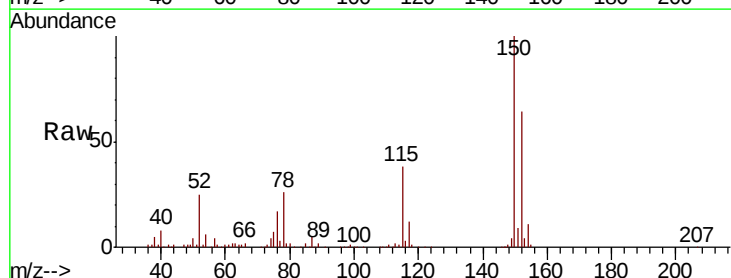
Tgt Ion:152 Resp: 140666

Ion Ratio Lower Upper

152 100

115 57.2 29.0 87.0

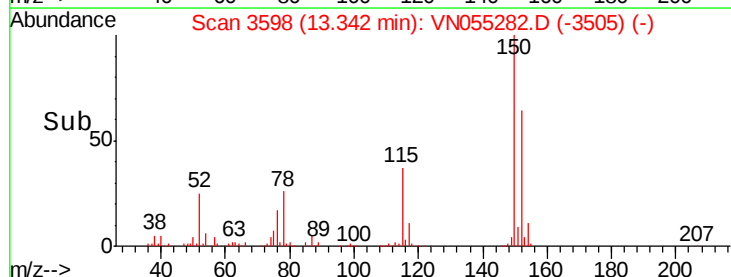
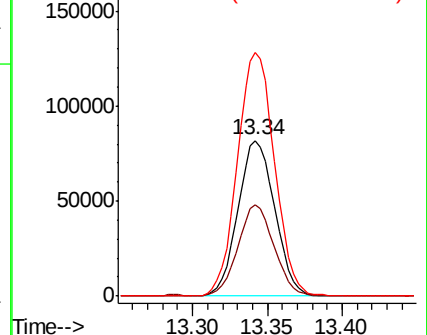
150 156.3 0.0 345.6

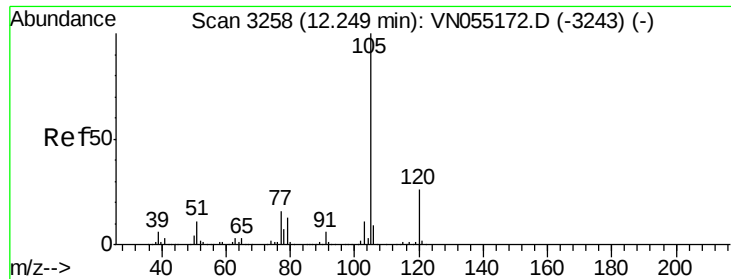


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#73

Isopropylbenzene

Concen: 1.308 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

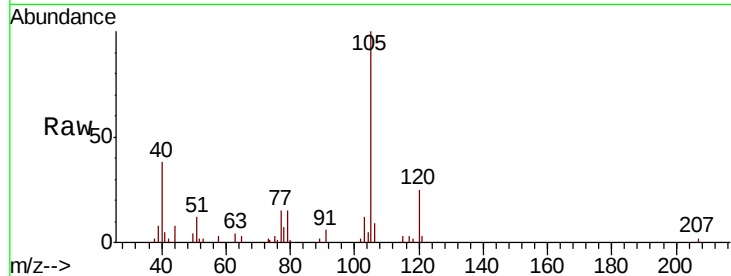
VSTDIC001

Tgt Ion: 105 Resp: 17718

Ion Ratio Lower Upper

105 100

120 26.5 12.9 38.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

12000

10000

8000

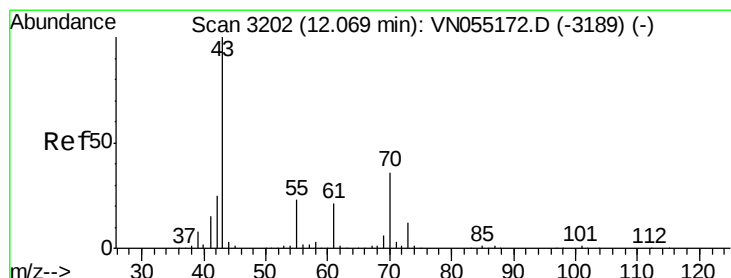
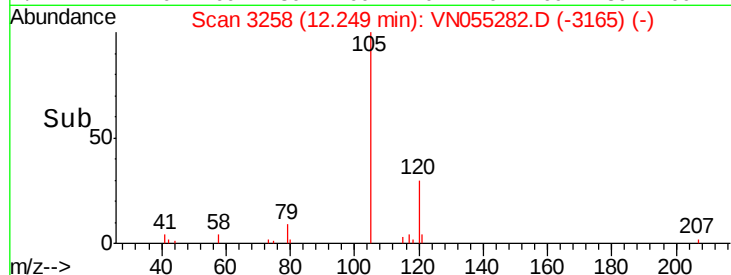
6000

4000

2000

0

Time-->



#74

N-ethyl acetate

Concen: 1.073 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Tgt Ion: 43 Resp: 3887

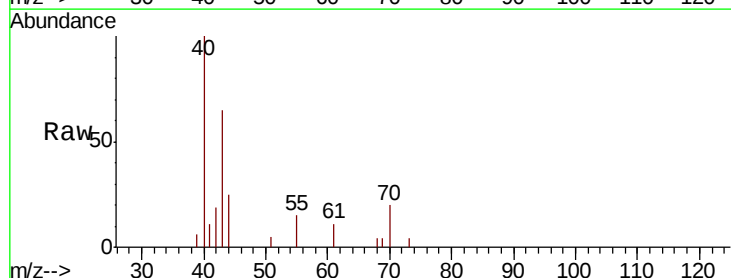
Ion Ratio Lower Upper

43 100

70 34.1 27.9 41.9

55 25.2 18.2 27.2

61 15.4 16.9 25.3#



Abundance Ion 43.00 (42.70 to 43.70): V

Ion 70.00 (69.70 to 70.70): V

Ion 55.00 (54.70 to 55.70): V

Ion 61.00 (60.70 to 61.70): V

4000

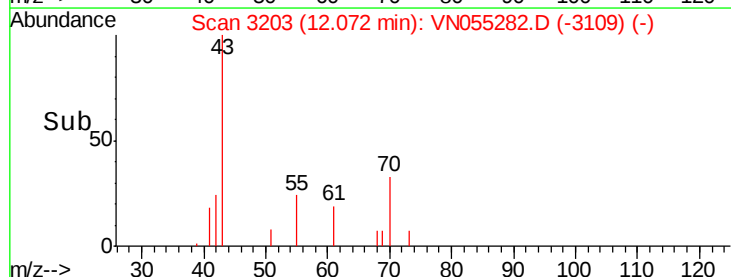
3000

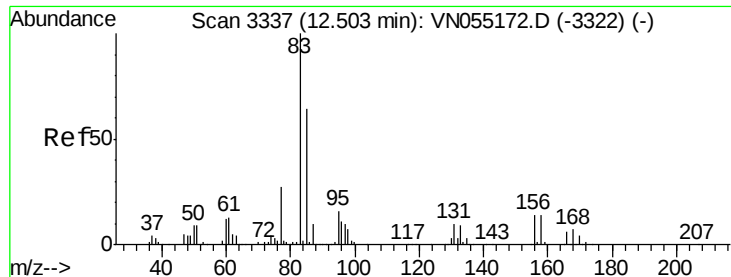
2000

1000

0

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.370 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

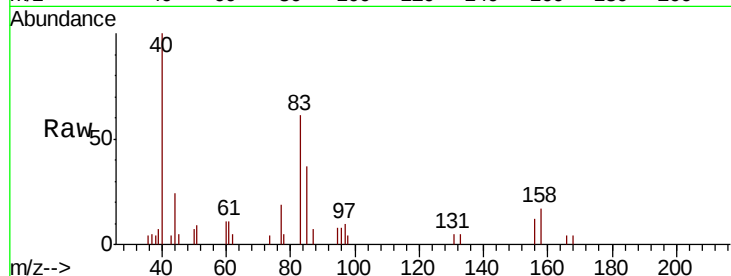
Tgt Ion: 83 Resp: 4895

Ion Ratio Lower Upper

83 100

131 7.9 5.1 15.2

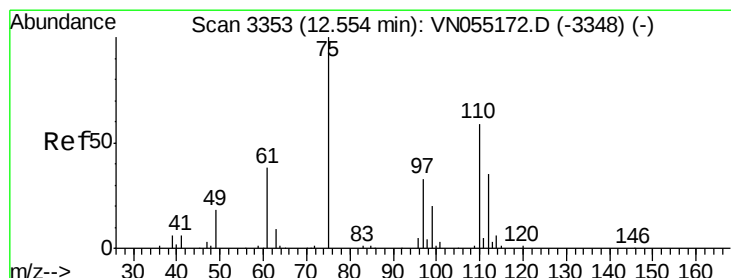
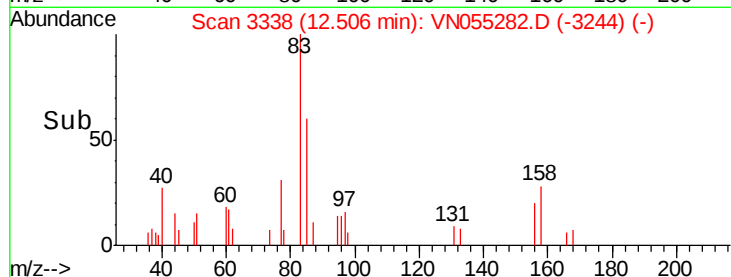
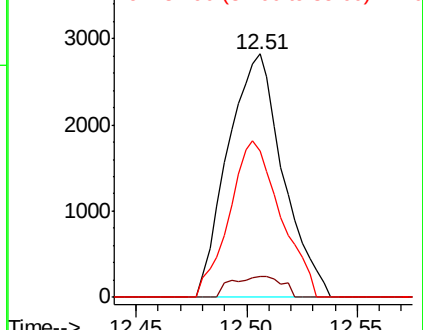
85 59.6 32.3 96.8



Abundance Ion 82.90 (82.60 to 83.60): VN055172.D (-3322) (-)

Ion 130.80 (130.50 to 131.50): VN055172.D (-3322) (-)

Ion 84.90 (84.60 to 85.60): VN055172.D (-3322) (-)



#76

1,2,3-Trichloropropane

Concen: 1.743 ug/l

RT: 12.55 min Scan# 3352

Delta R.T. -0.00 min

Lab File: VN055282.D

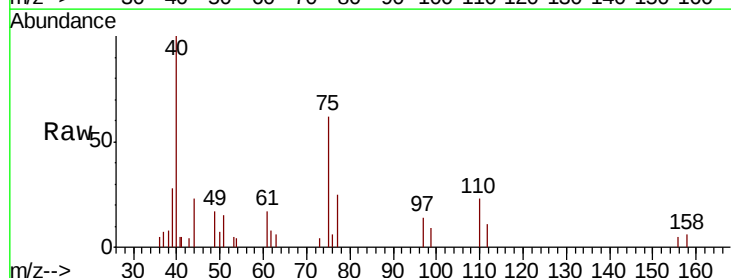
Acq: 29 Apr 2019 9:50

Tgt Ion: 75 Resp: 5034

Ion Ratio Lower Upper

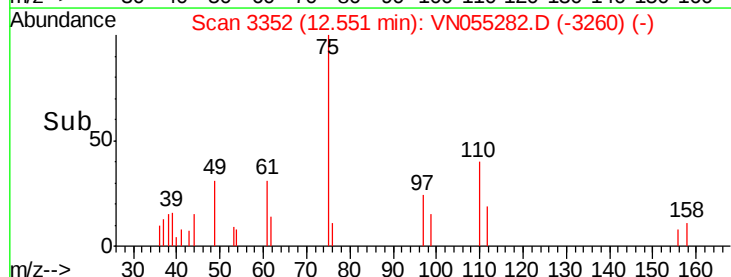
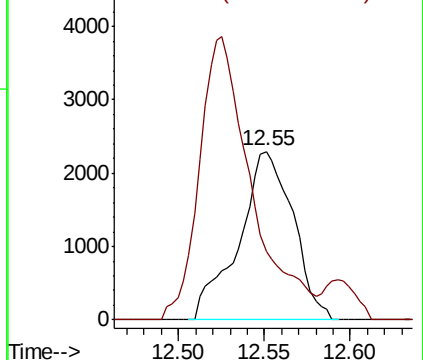
75 100

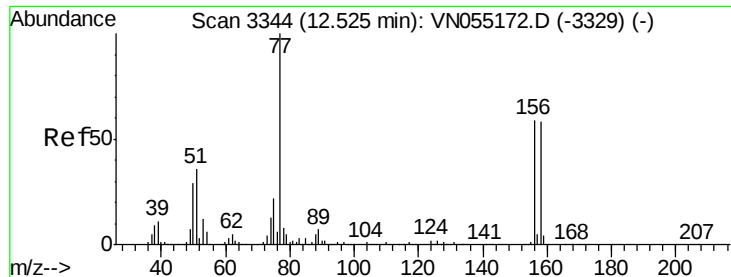
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-3348) (-)

Ion 77.00 (76.70 to 77.70): VN055172.D (-3348) (-)





#77

Bromobenzene

Concen: 1.226 ug/l

RT: 12.53 min Scan# 3345

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

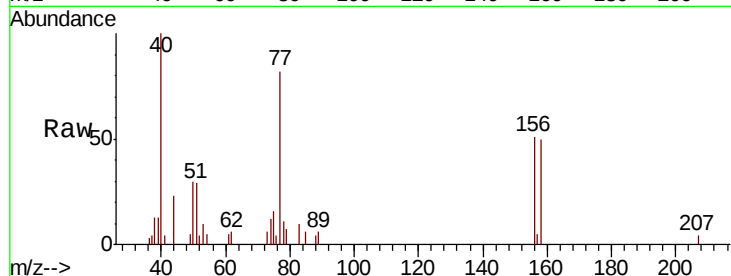
Tgt Ion:156 Resp: 3798

Ion Ratio Lower Upper

156 100

77 214.6 99.6 298.8

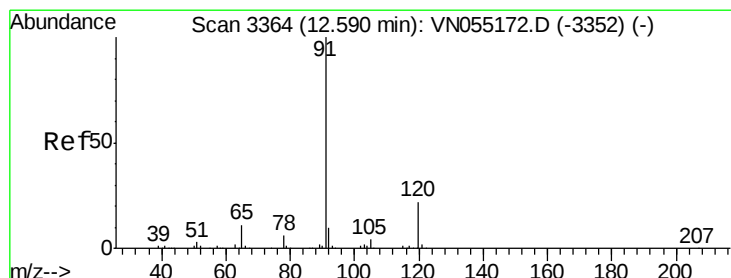
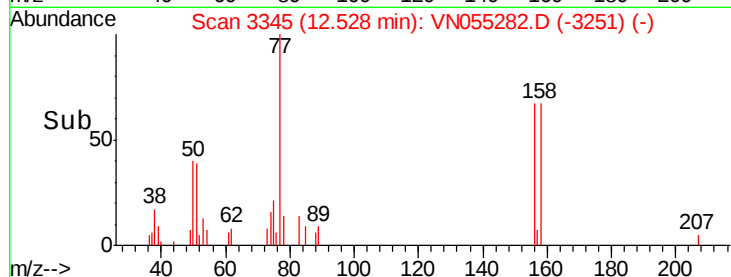
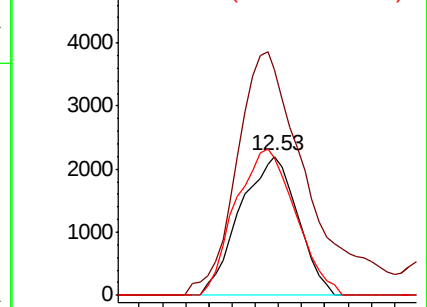
158 109.7 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 1.139 ug/l

RT: 12.59 min Scan# 3365

Delta R.T. 0.00 min

Lab File: VN055282.D

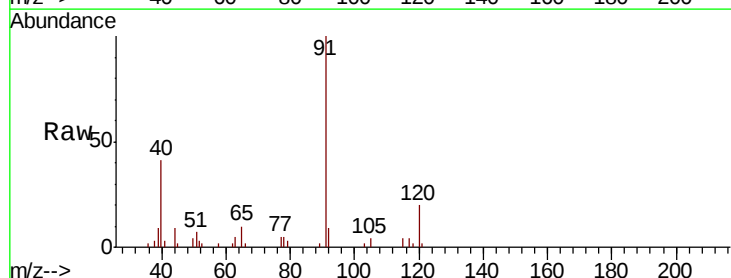
Acq: 29 Apr 2019 9:50

Tgt Ion: 91 Resp: 16101

Ion Ratio Lower Upper

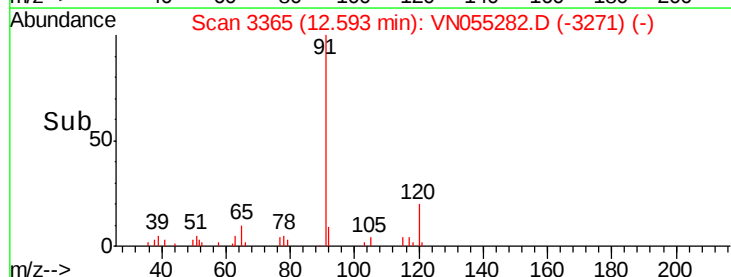
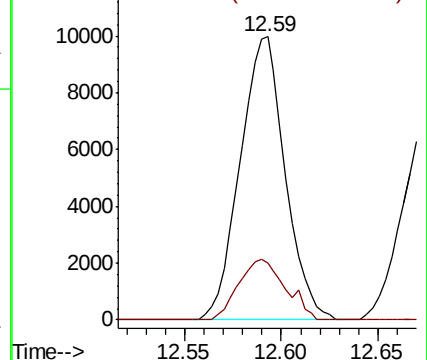
91 100

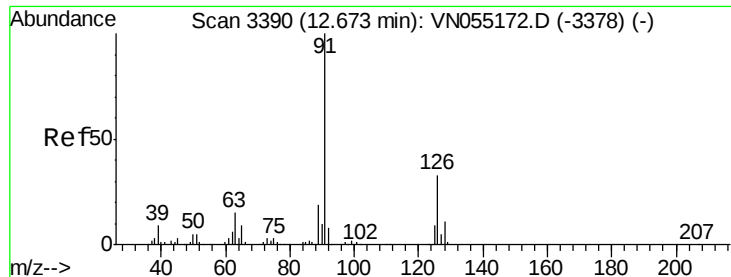
120 22.2 11.0 33.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 1.264 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

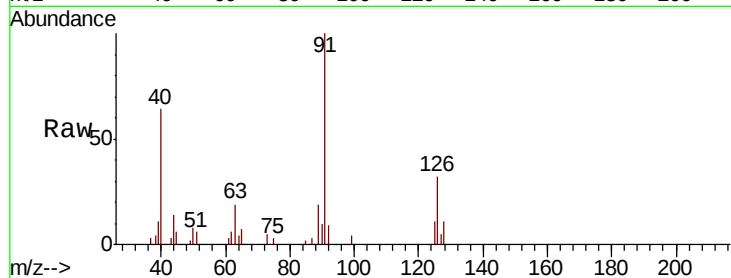
VSTDIC001

Tgt Ion: 91 Resp: 11282

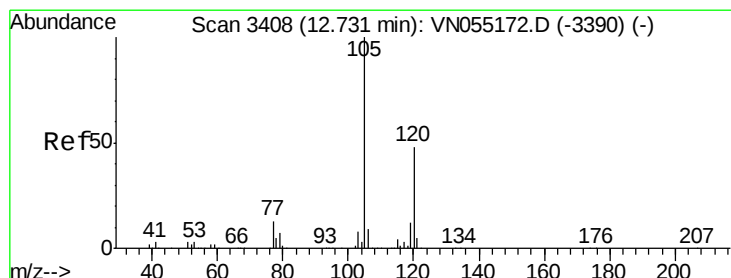
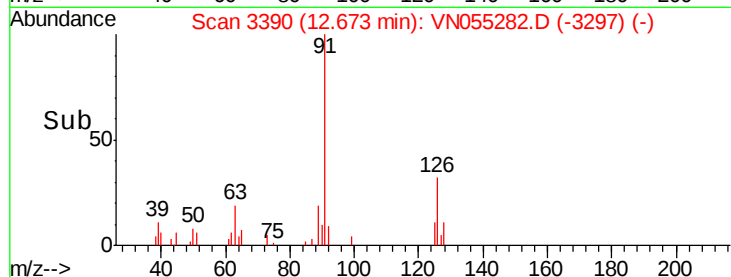
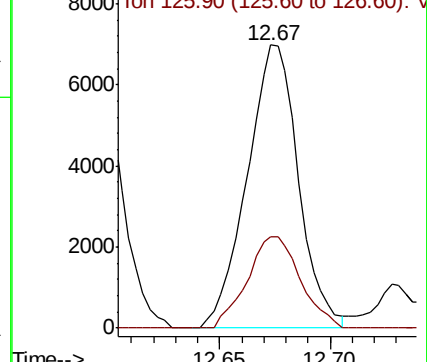
Ion Ratio Lower Upper

91 100

126 33.3 16.6 49.7



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



#80

1,3,5-Trimethylbenzene

Concen: 1.245 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055282.D

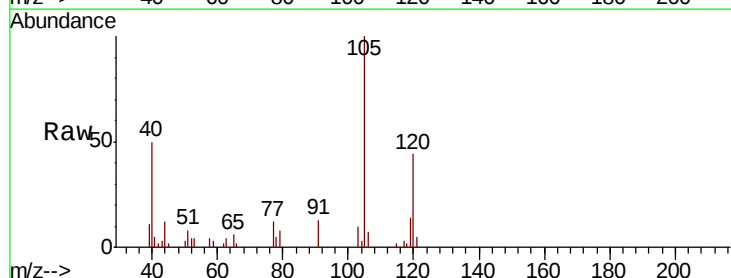
Acq: 29 Apr 2019 9:50

Tgt Ion: 105 Resp: 13111

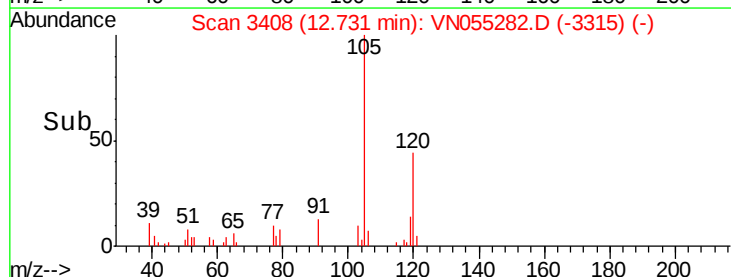
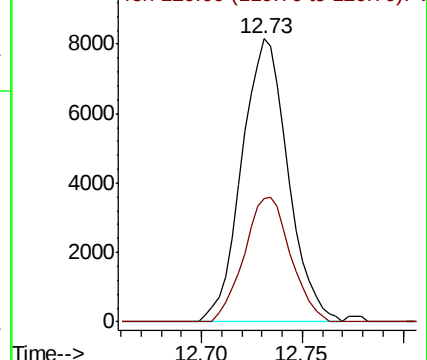
Ion Ratio Lower Upper

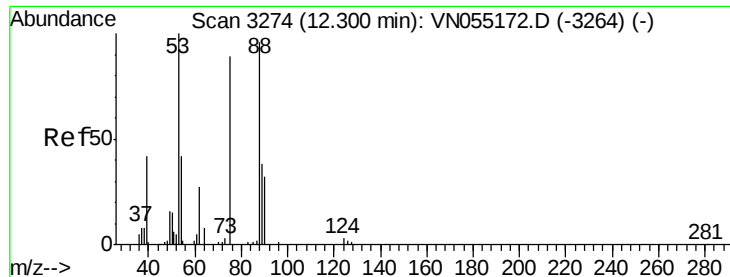
105 100

120 44.0 23.4 70.0



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





#81

trans-1,4-Dichloro-2-butene

Concen: 0.846 ug/l

RT: 12.31 min Scan# 3276

Delta R.T. 0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

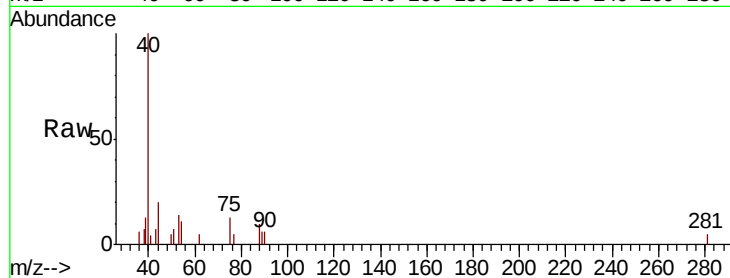
Tgt Ion: 75 Resp: 638

Ion Ratio Lower Upper

75 100

53 194.5 86.3 129.5#

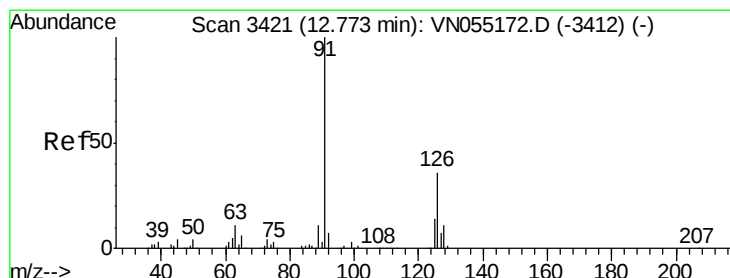
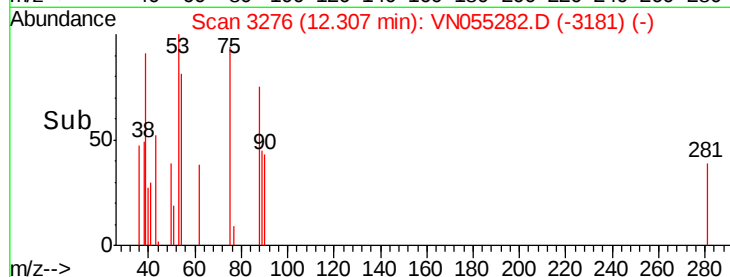
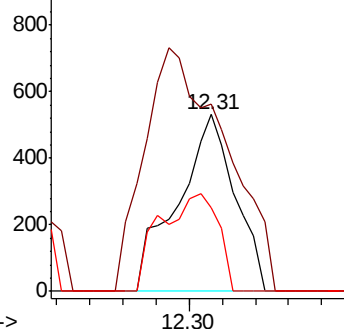
89 55.6 34.6 51.8#



Abundance Ion 74.90 (74.60 to 75.60): VN055172.D (-3264) (-)

Ion 53.00 (52.70 to 53.70): VN055172.D (-3264) (-)

Ion 88.90 (88.60 to 89.60): VN055172.D (-3264) (-)



#82

4-Chlorotoluene

Concen: 1.212 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055282.D

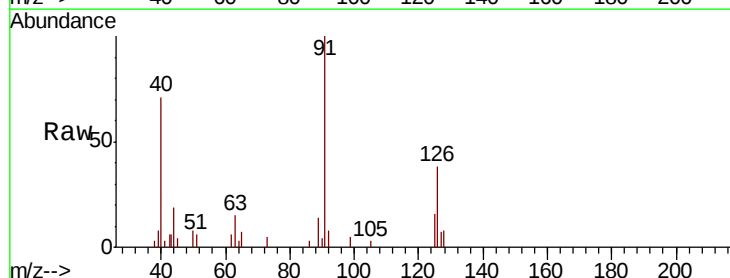
Acq: 29 Apr 2019 9:50

Tgt Ion: 91 Resp: 9905

Ion Ratio Lower Upper

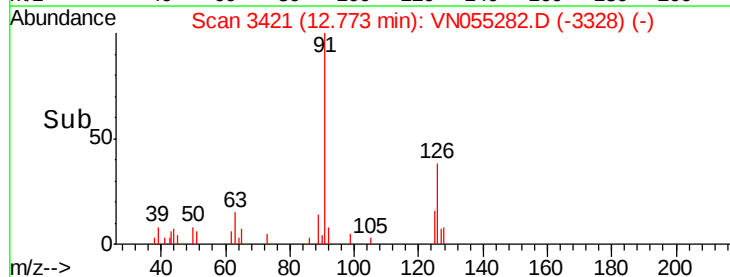
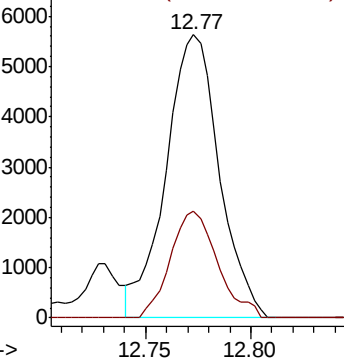
91 100

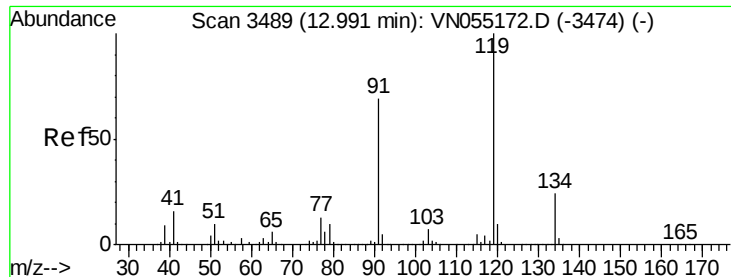
126 33.3 16.6 49.7



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3412) (-)

Ion 125.90 (125.60 to 126.60): VN055172.D (-3412) (-)

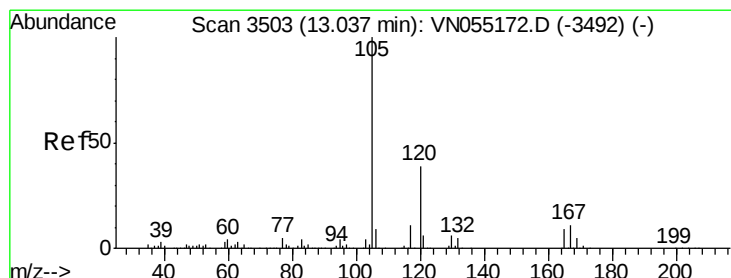
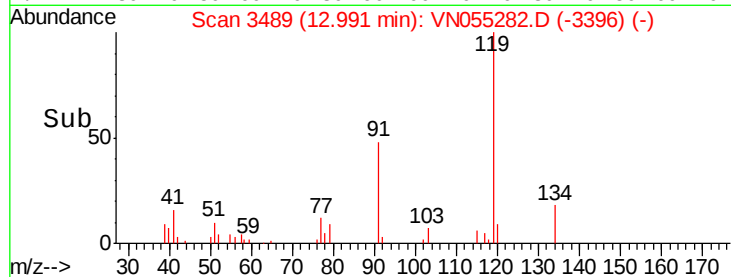
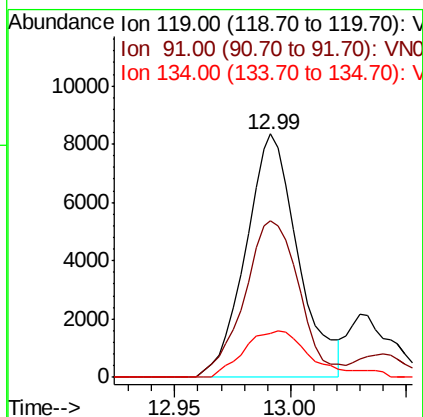
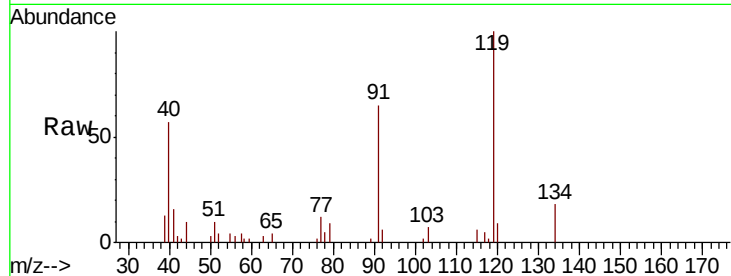




#83
 tert-Butylbenzene
 Concen: 1.391 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

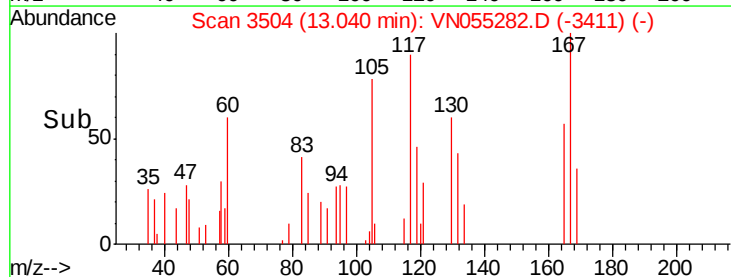
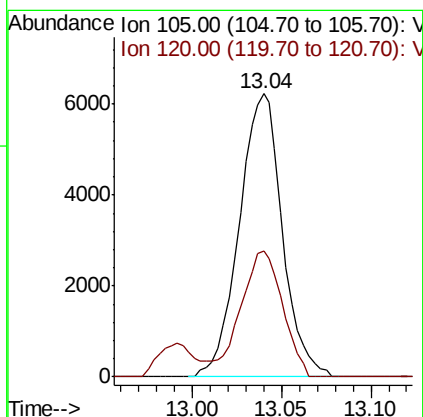
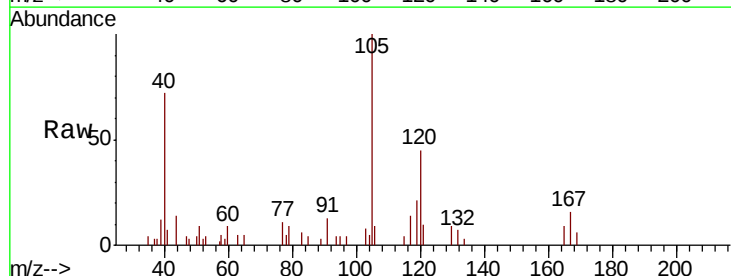
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

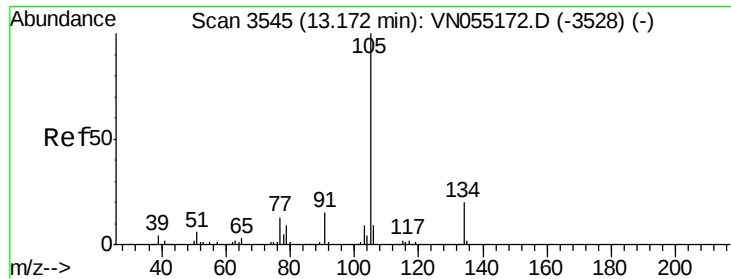
Tgt Ion:119 Resp: 13119
 Ion Ratio Lower Upper
 119 100
 91 68.2 34.3 102.9
 134 24.9 13.1 39.3



#84
 1,2,4-Trimethylbenzene
 Concen: 1.058 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion:105 Resp: 10502
 Ion Ratio Lower Upper
 105 100
 120 43.2 22.1 66.5

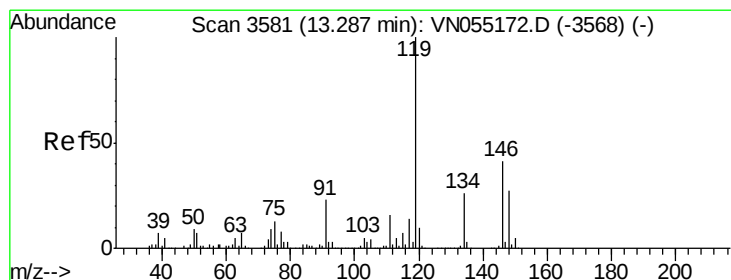
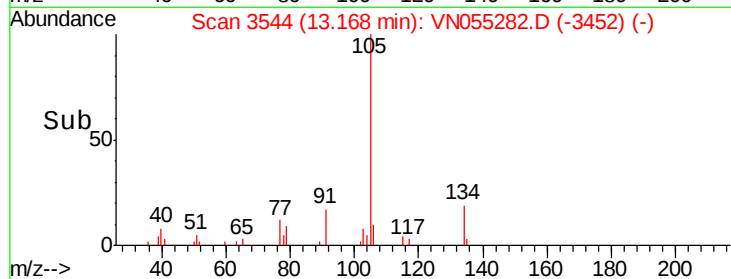
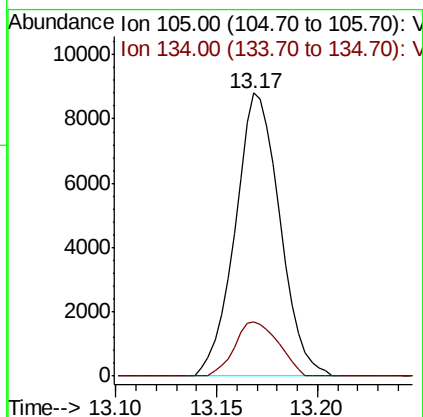
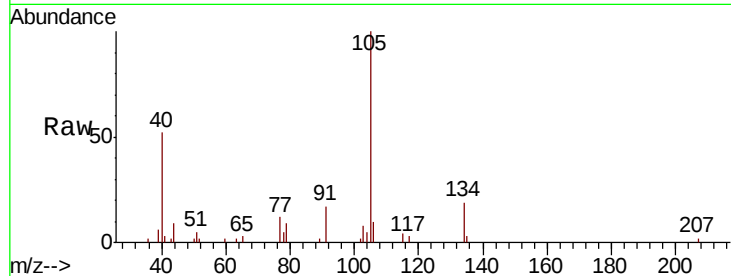




#85
 sec-Butylbenzene
 Concen: 1.145 ug/l
 RT: 13.17 min Scan# 3544
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

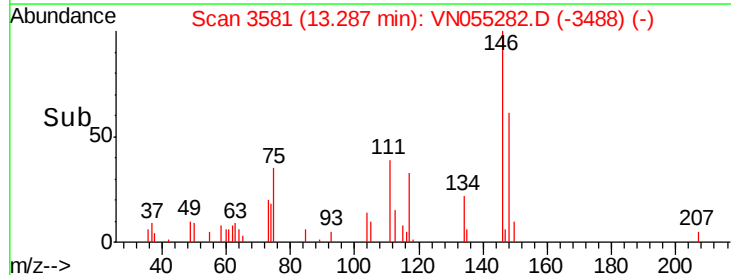
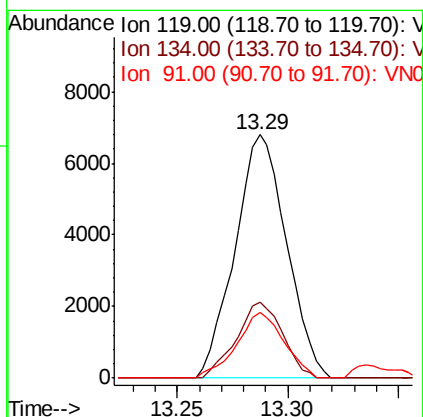
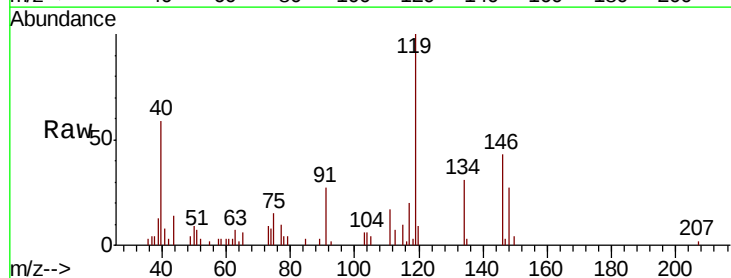
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

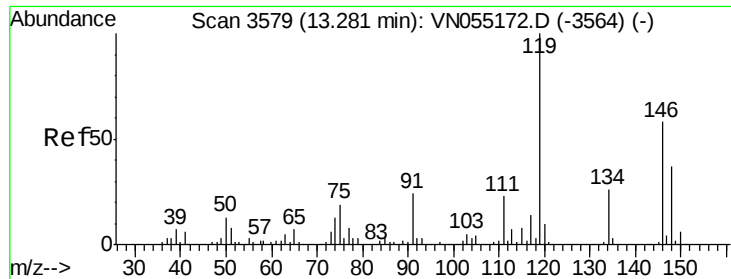
Tgt Ion:105 Resp: 13656
 Ion Ratio Lower Upper
 105 100
 134 18.9 9.6 28.8



#86
 p-Isopropyltoluene
 Concen: 1.122 ug/l
 RT: 13.29 min Scan# 3581
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion:119 Resp: 11006
 Ion Ratio Lower Upper
 119 100
 134 27.9 13.0 38.9
 91 24.8 12.2 36.6

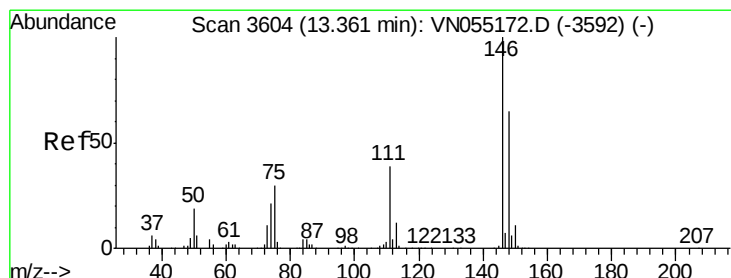
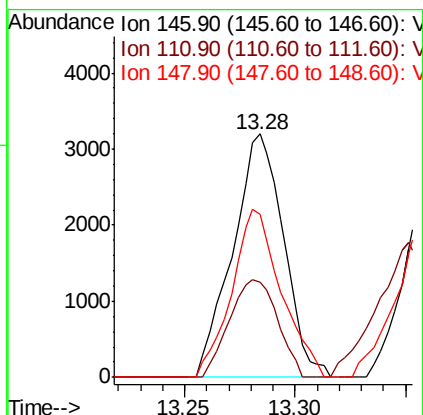
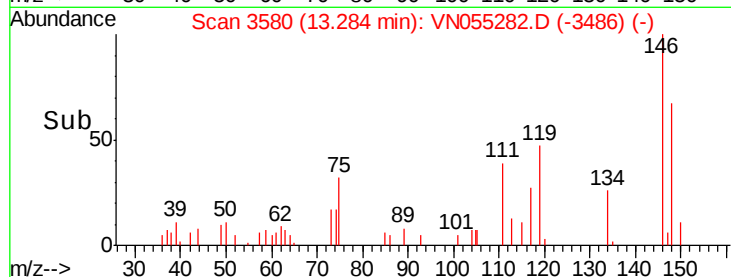
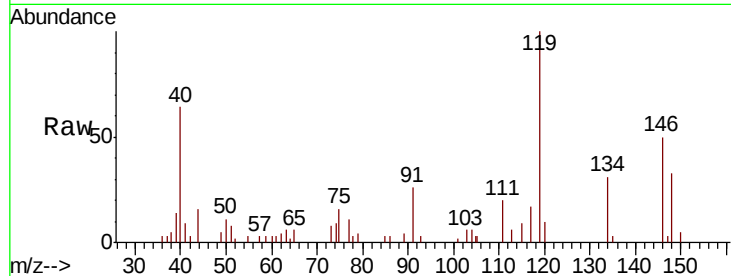




#87
 1,3-Dichlorobenzene
 Concen: 1.079 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

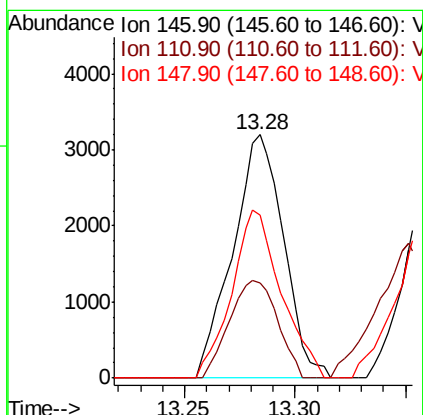
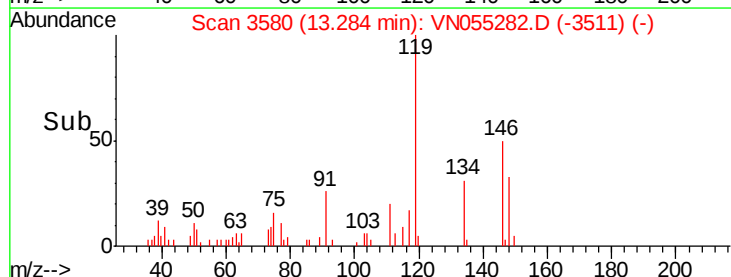
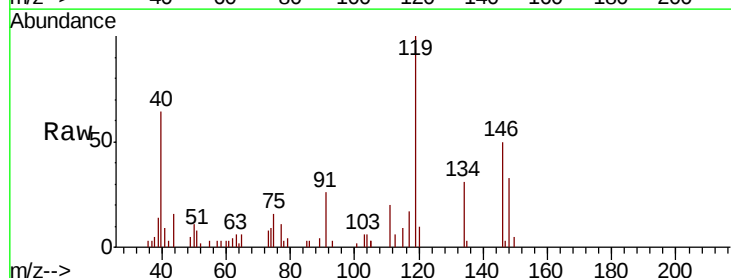
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

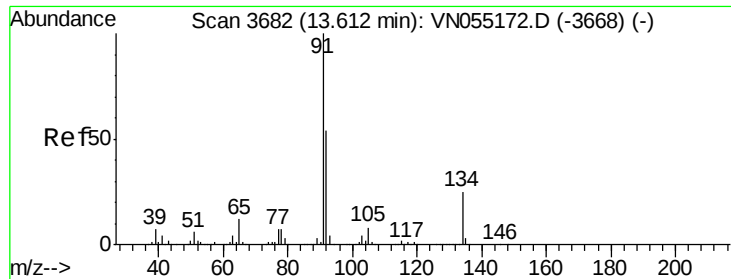
Tgt Ion:146 Resp: 5104
 Ion Ratio Lower Upper
 146 100
 111 38.0 20.3 60.8
 148 67.1 32.5 97.5



#88
 1,4-Dichlorobenzene
 Concen: 1.107 ug/l
 RT: 13.28 min Scan# 3580
 Delta R.T. -0.08 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion:146 Resp: 5104
 Ion Ratio Lower Upper
 146 100
 111 38.0 19.5 58.5
 148 67.1 32.5 97.4





#89

n-Butylbenzene

Concen: 1.005 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

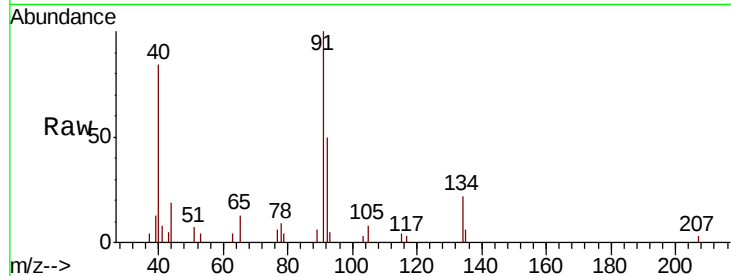
Tgt Ion: 91 Resp: 7261

Ion Ratio Lower Upper

91 100

92 52.8 26.1 78.3

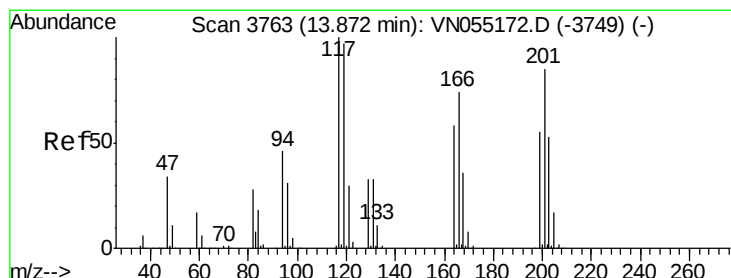
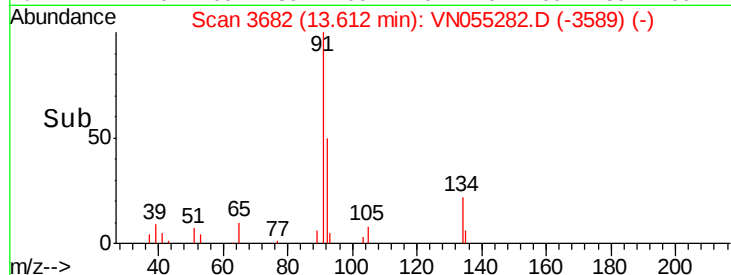
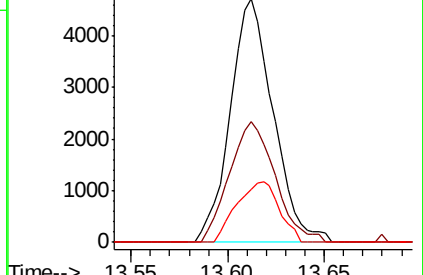
134 24.7 12.4 37.4



Abundance Ion 91.00 (90.70 to 91.70): VN055172.D (-3668) (-)

Ion 92.00 (91.70 to 92.70): VN055172.D (-3668) (-)

Ion 134.00 (133.70 to 134.70): VN055172.D (-3668) (-)



#90

Hexachloroethane

Concen: 1.479 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055282.D

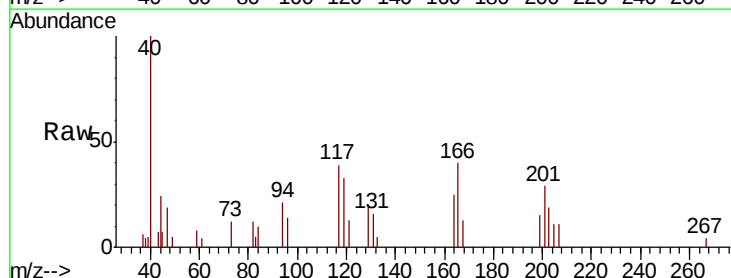
Acq: 29 Apr 2019 9:50

Tgt Ion: 117 Resp: 2588

Ion Ratio Lower Upper

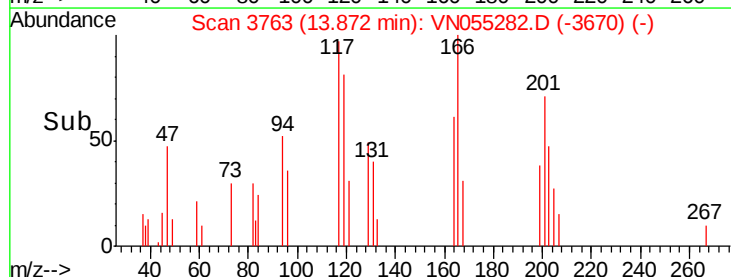
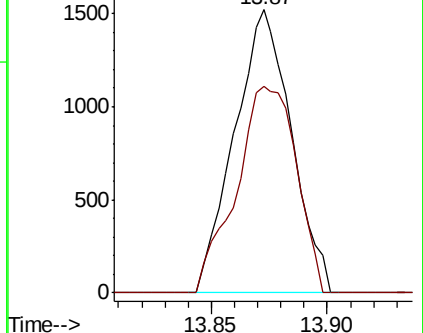
117 100

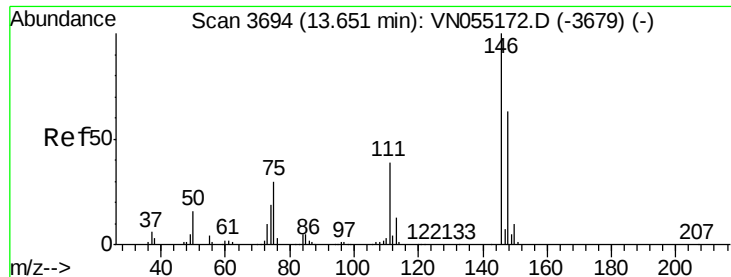
201 77.2 41.9 125.8



Abundance Ion 116.80 (116.50 to 117.50): VN055172.D (-3749) (-)

Ion 200.70 (200.40 to 201.40): VN055172.D (-3749) (-)





#91

1,2-Dichlorobenzene

Concen: 0.986 ug/l

RT: 13.65 min Scan# 3695

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

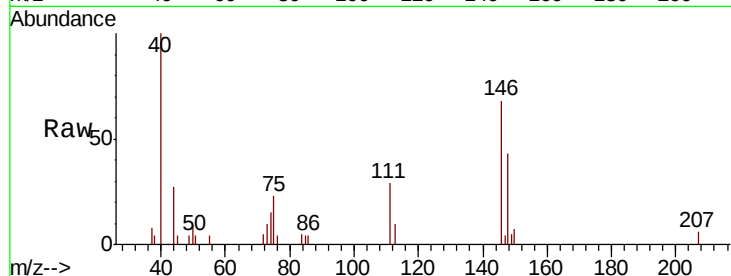
Tgt Ion: 146 Resp: 4783

Ion Ratio Lower Upper

146 100

111 44.9 20.3 61.0

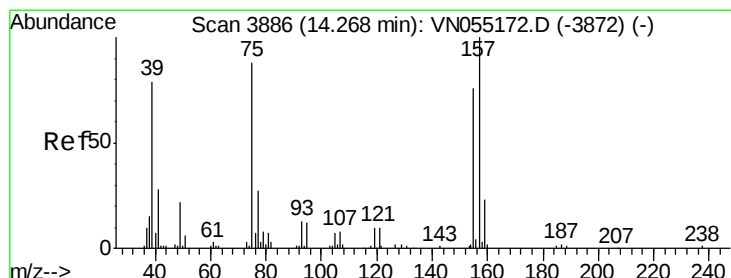
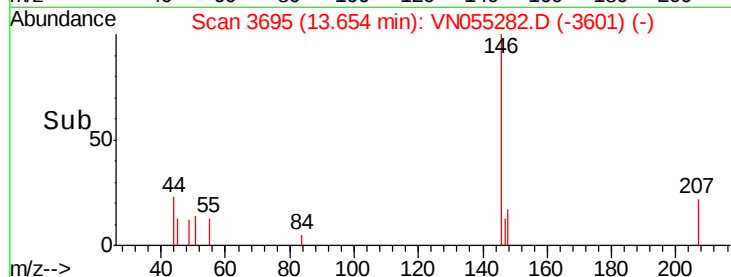
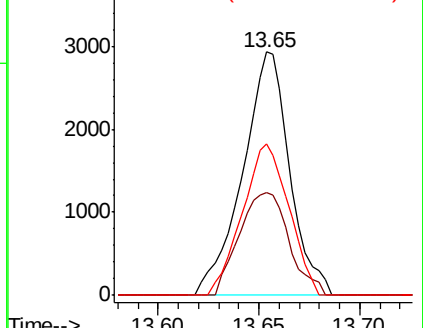
148 61.4 32.4 97.2



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: 0.606 ug/l

RT: 14.27 min Scan# 3888

Delta R.T. 0.01 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

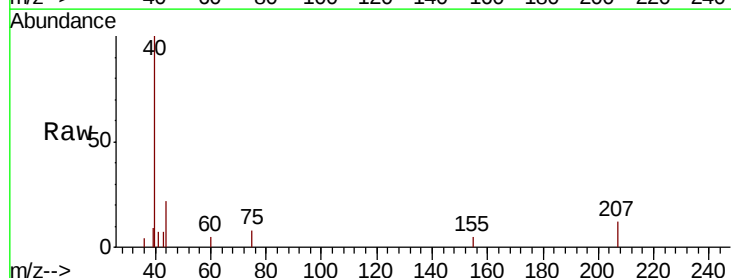
Tgt Ion: 75 Resp: 258

Ion Ratio Lower Upper

75 100

155 112.4 41.5 124.6

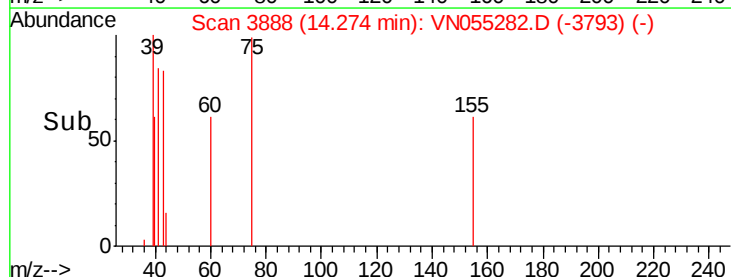
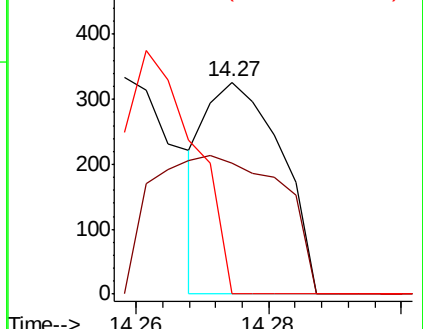
157 0.0 54.0 162.2#

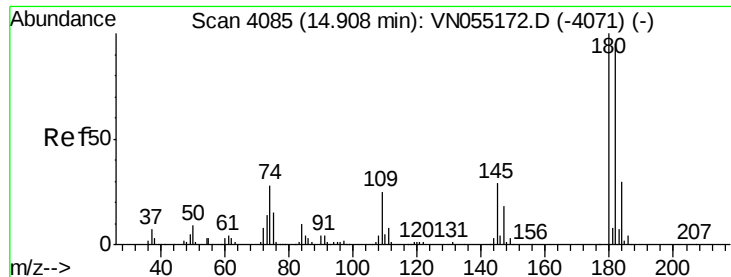


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

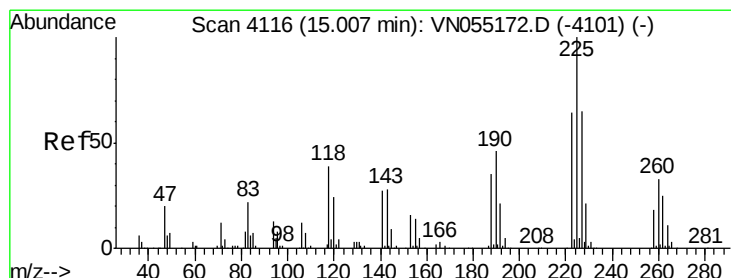
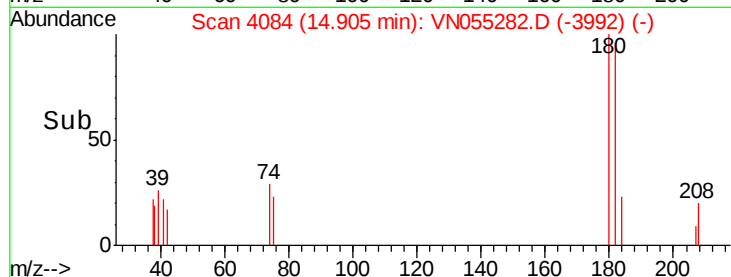
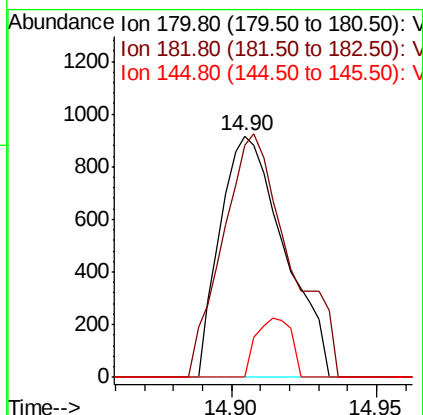
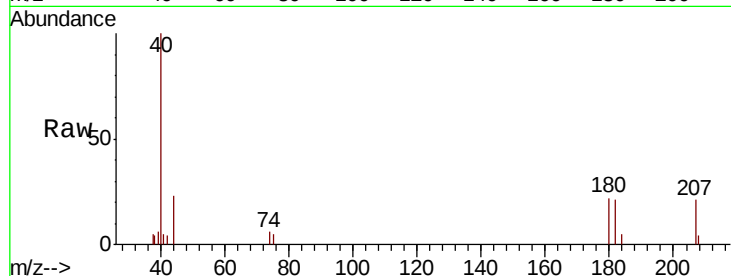




#93
 1,2,4-Trichlorobenzene
 Concen: 0.834 ug/l
 RT: 14.90 min Scan# 4084
 Delta R.T. -0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

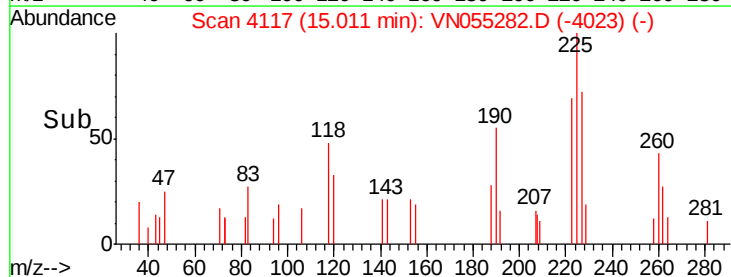
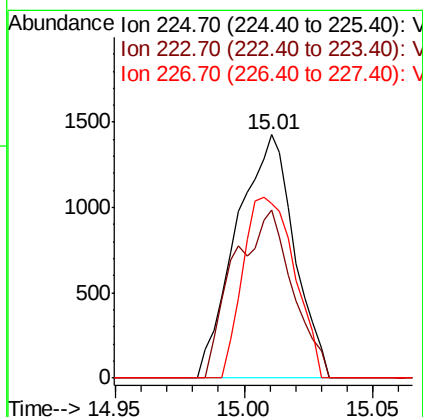
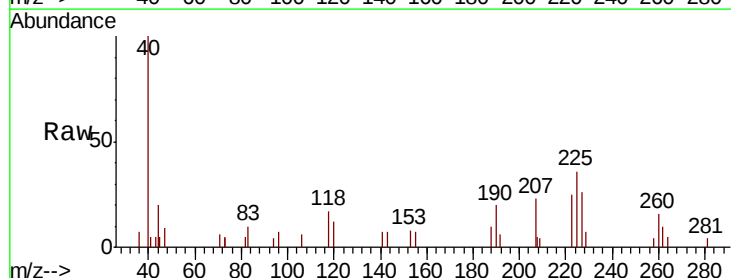
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

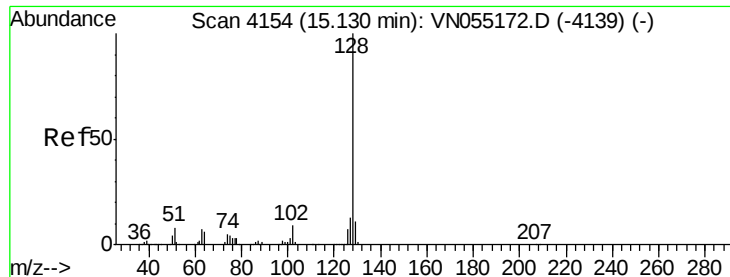
Tgt Ion:180 Resp: 1407
 Ion Ratio Lower Upper
 180 100
 182 105.5 48.3 144.9
 145 13.3 14.2 42.6#



#94
 Hexachlorobutadiene
 Concen: 1.275 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055282.D
 Acq: 29 Apr 2019 9:50

Tgt Ion:225 Resp: 2235
 Ion Ratio Lower Upper
 225 100
 223 70.3 30.3 90.8
 227 66.3 30.9 92.7





#95

Naphthalene

Concen: 0.838 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

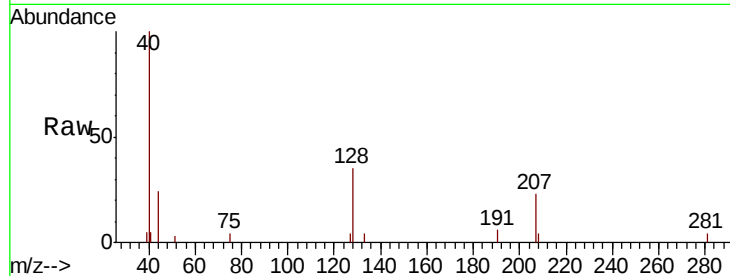
Tgt Ion:128 Resp: 2977

Ion Ratio Lower Upper

128 100

127 8.0 10.7 16.1#

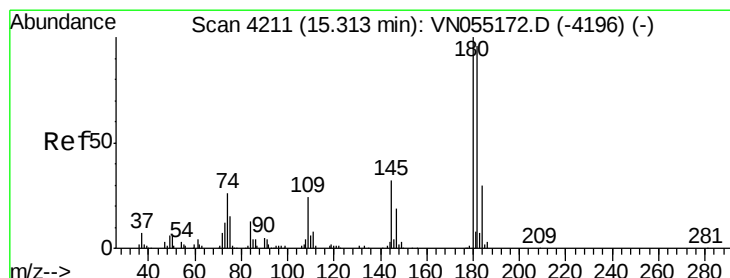
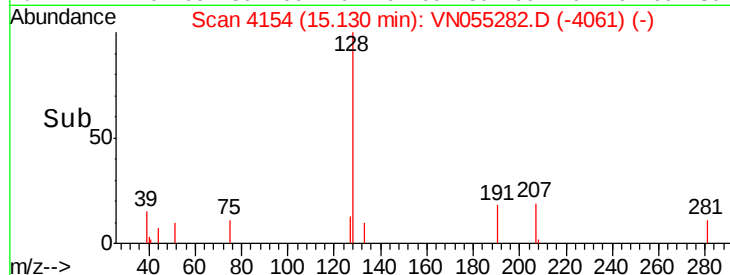
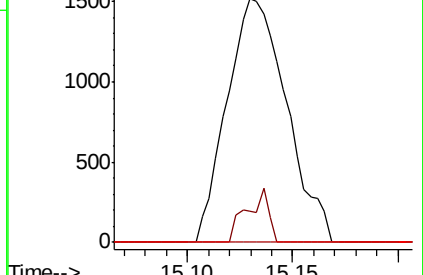
129 0.0 8.6 13.0#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 0.783 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055282.D

Acq: 29 Apr 2019 9:50

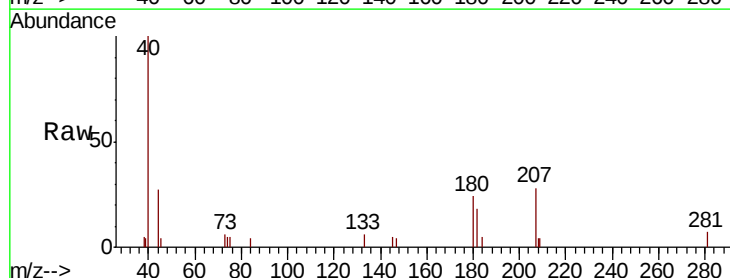
Tgt Ion:180 Resp: 1371

Ion Ratio Lower Upper

180 100

182 89.4 48.3 144.9

145 10.3 15.2 45.6#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

