

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN050819\
 Data File : VN055477.D
 Acq On : 8 May 2019 16:07
 Operator : JC/SP
 Sample : VSTDIC001
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Quant Time: May 09 03:42:14 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N050819W.M
 Quant Title : SW846 8260
 QLast Update : Thu May 09 03:36:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	732484	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1232369	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1026242	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	295658	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	11095	1.12	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.24%	
35) Dibromofluoromethane	7.59	113	8660	1.07	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.14%	
50) Toluene-d8	10.09	98	31132	1.05	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.10%	
62) 4-Bromofluorobenzene	12.40	95	10616	1.13	ug/l	0.00
Spiked Amount	50.000		Recovery	=	2.26%	

Target Compounds

					Qvalue	
2) Dichlorodifluoromethane	1.85	85	8161	0.950	ug/l	99
3) Chloromethane	2.06	50	13064	1.167	ug/l	96
4) Vinyl Chloride	2.19	62	12101	1.297	ug/l	92
5) Bromomethane	2.55	94	7628	1.527	ug/l	95
6) Chloroethane	2.70	64	7202	1.405	ug/l	99
7) Trichlorofluoromethane	3.01	101	13197	1.037	ug/l	99
8) Diethyl Ether	3.41	74	5747	1.242	ug/l	52
9) 1,1,2-Trichlorotrifluoroet	3.74	101	8595	1.126	ug/l	97
10) Methyl Iodide	3.94	142	9652	0.901	ug/l #	50
11) Tert butyl alcohol	4.81	59	7601	9.867	ug/l #	81
12) 1,1-Dichloroethene	3.73	96	8201	1.114	ug/l	94
13) Acrolein	3.61	56	6485	11.737	ug/l	98
14) Allyl chloride	4.32	41	17098	1.122	ug/l	97
15) Acrylonitrile	4.99	53	23151	6.778	ug/l	99
16) Acetone	3.82	43	26183	7.840	ug/l	98
17) Carbon Disulfide	4.04	76	23087	1.196	ug/l	97
18) Methyl Acetate	4.34	43	19515	2.114	ug/l #	84
19) Methyl tert-butyl Ether	5.05	73	25747	1.208	ug/l	96
20) Methylene Chloride	4.55	84	12194	1.308	ug/l	87
21) trans-1,2-Dichloroethene	5.04	96	8866	1.134	ug/l	92
22) Diisopropyl ether	5.95	45	30363	0.997	ug/l #	70
23) Vinyl Acetate	5.90	43	111030	5.390	ug/l	99
24) 1,1-Dichloroethane	5.84	63	18656	1.150	ug/l	98
25) 2-Butanone	6.85	43	30218	6.888	ug/l	98
26) 2,2-Dichloropropane	6.82	77	6716	0.608	ug/l	83
27) cis-1,2-Dichloroethene	6.82	96	10157	1.136	ug/l	96
28) Bromochloromethane	7.19	49	9722	1.175	ug/l	97
29) Tetrahydrofuran	7.23	42	21693	7.718	ug/l	97
30) Chloroform	7.37	83	16872	1.101	ug/l	86
31) Cyclohexane	7.66	56	33535	2.155	ug/l #	33
32) 1,1,1-Trichloroethane	7.56	97	12803	1.039	ug/l #	53
36) 1,1-Dichloropropene	7.79	75	11919	0.994	ug/l	95
37) Ethyl Acetate	6.94	43	10900	1.103	ug/l	97
38) Carbon Tetrachloride	7.77	117	11813	1.051	ug/l	86

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 Quant Title : SW846 8260
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	15669	1.213	ug/l	87
40) Benzene	8.05	78	37125	1.048	ug/l	98
41) Methacrylonitrile	7.18	41	6249	1.224	ug/l #	47
42) 1,2-Dichloroethane	8.12	62	14208	1.137	ug/l	89
43) Isopropyl Acetate	8.17	43	18227	1.167	ug/l #	79
44) Trichloroethene	8.83	130	9417	1.055	ug/l	98
45) 1,2-Dichloropropane	9.12	63	11152	1.095	ug/l	97
46) Dibromomethane	9.21	93	6274	1.114	ug/l	98
47) Bromodichloromethane	9.40	83	12328	1.040	ug/l	94
48) Methyl methacrylate	9.20	41	8887	1.164	ug/l	94
49) 1,4-Dioxane	9.21	88	3307	34.873	ug/l #	89
51) 4-Methyl-2-Pentanone	9.99	43	60280	6.613	ug/l	98
52) Toluene	10.16	92	20310	0.998	ug/l	93
53) t-1,3-Dichloropropene	10.38	75	10913	1.043	ug/l	90
54) cis-1,3-Dichloropropene	9.84	75	12308	0.951	ug/l	89
55) 1,1,2-Trichloroethane	10.56	97	8453	1.105	ug/l	96
56) Ethyl methacrylate	10.43	69	11731	1.199	ug/l #	87
57) 1,3-Dichloropropane	10.71	76	14939	1.109	ug/l	97
58) 2-Chloroethyl Vinyl ether	9.70	63	15295	5.760	ug/l	97
59) 2-Hexanone	10.75	43	40489	6.890	ug/l	100
60) Dibromochloromethane	10.90	129	7508	0.982	ug/l	90
61) 1,2-Dibromoethane	11.00	107	7988	1.119	ug/l	99
64) Tetrachloroethene	10.63	164	9436	1.118	ug/l	96
65) Chlorobenzene	11.43	112	21542	1.060	ug/l	91
66) 1,1,1,2-Tetrachloroethane	11.51	131	7139	0.914	ug/l #	60
67) Ethyl Benzene	11.51	91	39093	1.060	ug/l	99
68) m/p-Xylenes	11.62	106	27026	2.049	ug/l	97
69) o-Xylene	11.95	106	13488	1.031	ug/l	97
70) Styrene	11.96	104	19151	0.949	ug/l	95
71) Bromoform	12.12	173	4505	1.010	ug/l #	67
73) Isopropylbenzene	12.25	105	36258	1.221	ug/l	97
74) N-amyl acetate	12.07	43	11672	1.425	ug/l	92
75) 1,1,2,2-Tetrachloroethane	12.51	83	11938	1.519	ug/l	97
76) 1,2,3-Trichloropropane	12.55	75	13442	1.904	ug/l #	100
77) Bromobenzene	12.52	156	8260	1.230	ug/l	91
78) n-propylbenzene	12.59	91	36190	1.178	ug/l	100
79) 2-Chlorotoluene	12.67	91	23177	1.179	ug/l	100
80) 1,3,5-Trimethylbenzene	12.73	105	26648	1.134	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.30	75	2409	1.423	ug/l	92
82) 4-Chlorotoluene	12.77	91	20962	1.169	ug/l	99
83) tert-Butylbenzene	12.99	119	23273	1.109	ug/l	92
84) 1,2,4-Trimethylbenzene	13.04	105	22714	1.081	ug/l	94
85) sec-Butylbenzene	13.17	105	31042	1.212	ug/l	100
86) p-Isopropyltoluene	13.29	119	23029	1.095	ug/l	99
87) 1,3-Dichlorobenzene	13.29	146	10608	1.061	ug/l	98
88) 1,4-Dichlorobenzene	13.29	146	10608	1.126	ug/l	97
89) n-Butylbenzene	13.61	91	17032	1.123	ug/l	95
90) Hexachloroethane	13.87	117	4103	1.049	ug/l	93
91) 1,2-Dichlorobenzene	13.65	146	11120	1.121	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	1487	1.713	ug/l	81

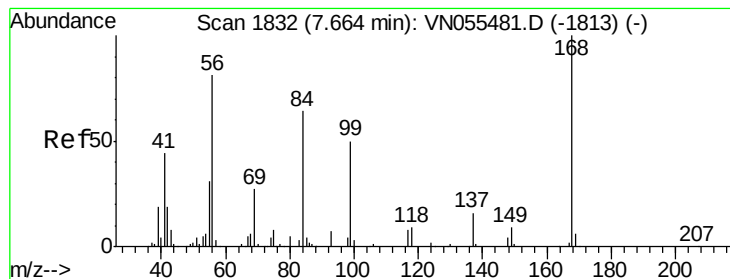
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Quant Title : SW846 8260
QLast Update : Thu May 09 03:36:06 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	2802	0.885	ug/l	82
94) Hexachlorobutadiene	15.01	225	5022	1.380	ug/l	88
95) Naphthalene	15.14	128	10402	1.415	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	4315	1.300	ug/l #	81

(#) = 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: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

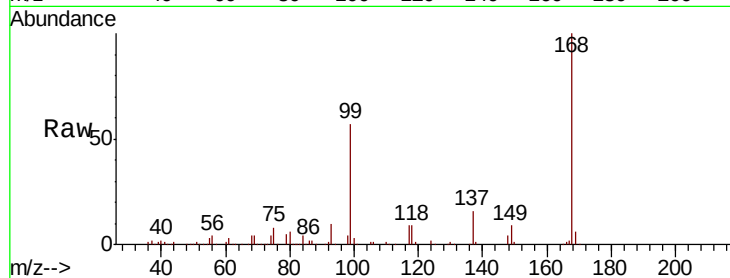
VSTDIC001

Tot Ion:168 Resp: 732484

Ion Ratio Lower Upper

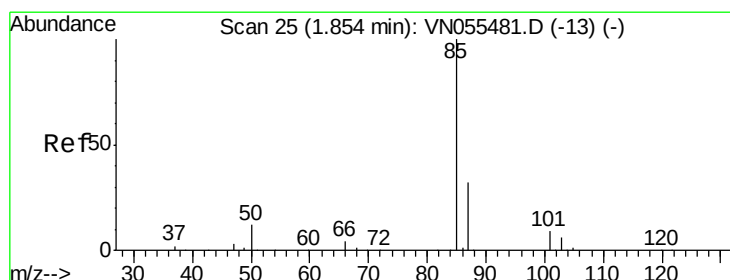
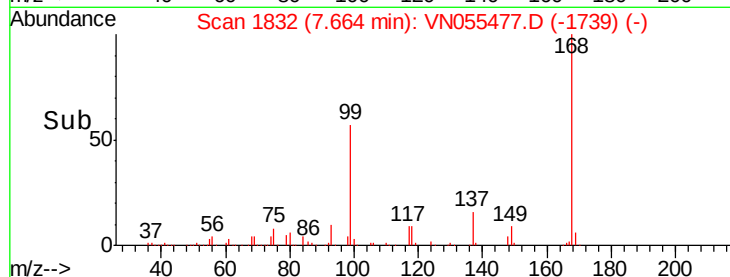
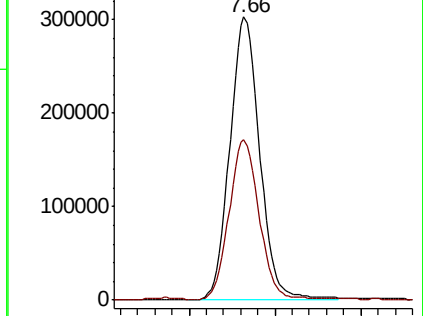
168 100

99 56.4 47.0 70.4



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#2

Dichlorodifluoromethane

Concen: 0.950 ug/l

RT: 1.85 min Scan# 25

Delta R.T. 0.00 min

Lab File: VN055477.D

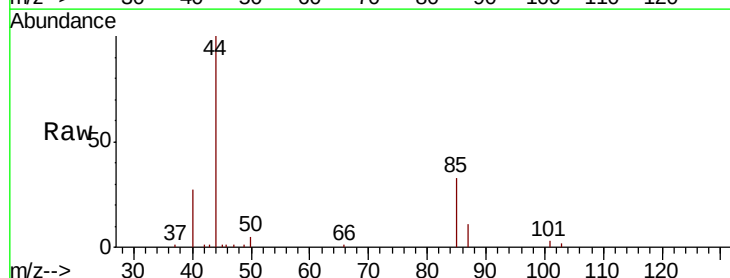
Acq: 8 May 2019 16:07

Tgt Ion: 85 Resp: 8161

Ion Ratio Lower Upper

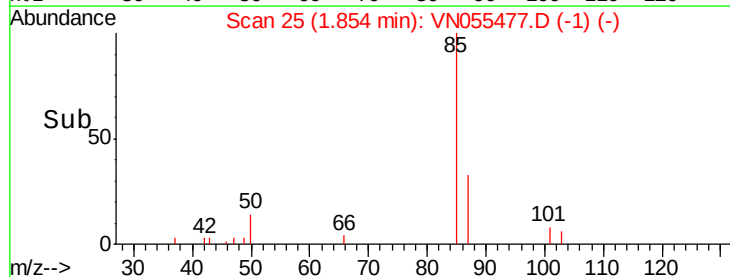
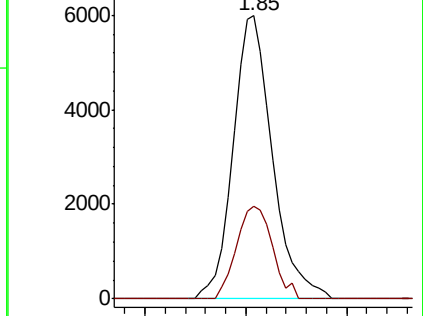
85 100

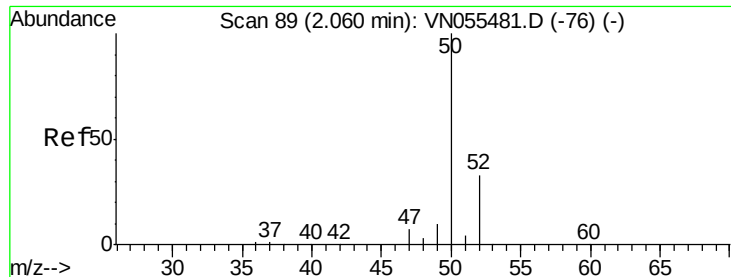
87 32.7 16.0 48.0



Abundance Ion 84.90 (84.60 to 85.60): VN

Ion 86.90 (86.60 to 87.60): VN





#3

Chloromethane

Concen: 1.167 ug/l

RT: 2.06 min Scan# 89

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

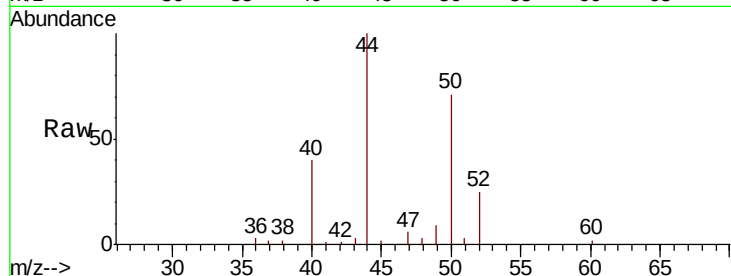
VSTDIC001

Tot Ion: 50 Resp: 13064

Ion Ratio Lower Upper

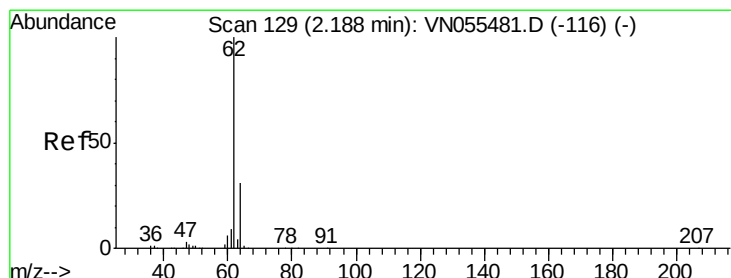
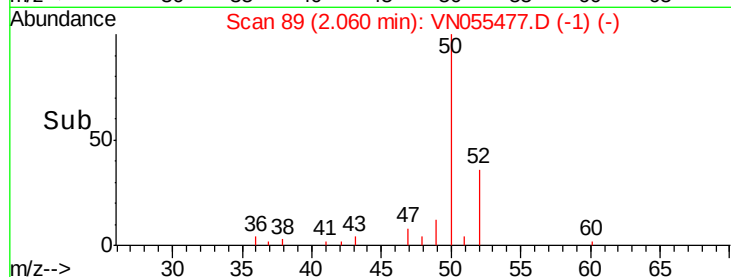
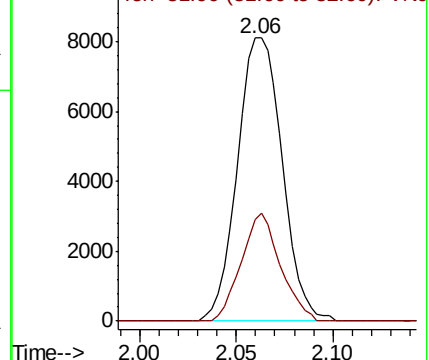
50 100

52 35.7 26.6 39.8



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO



#4

Vinyl Chloride

Concen: 1.297 ug/l

RT: 2.19 min Scan# 129

Delta R.T. 0.00 min

Lab File: VN055477.D

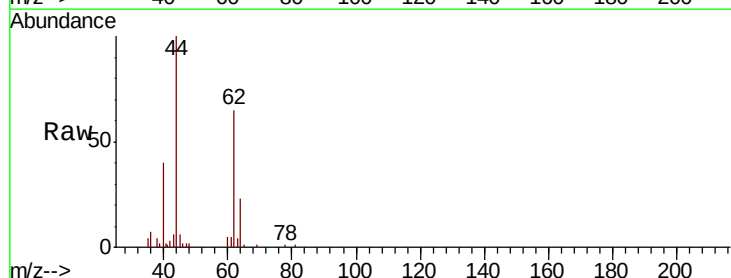
Acq: 8 May 2019 16:07

Tgt Ion: 62 Resp: 12101

Ion Ratio Lower Upper

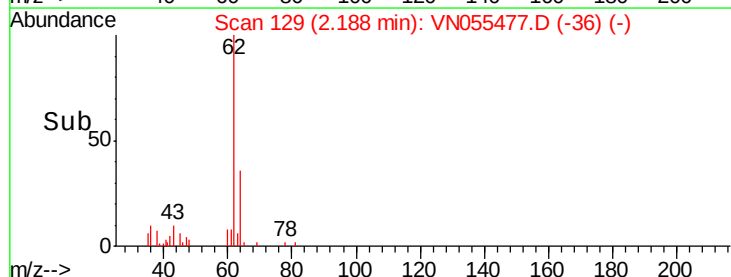
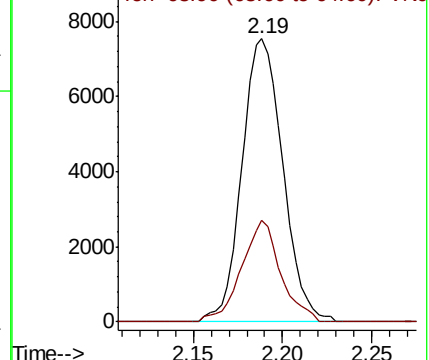
62 100

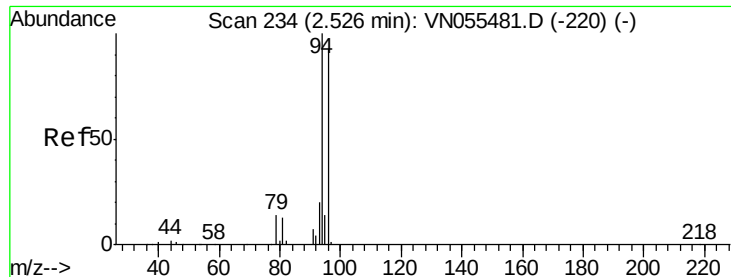
64 35.8 25.0 37.6



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO





#5

Bromomethane

Concen: 1.527 ug/l

RT: 2.55 min Scan# 241

Delta R.T. 0.02 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

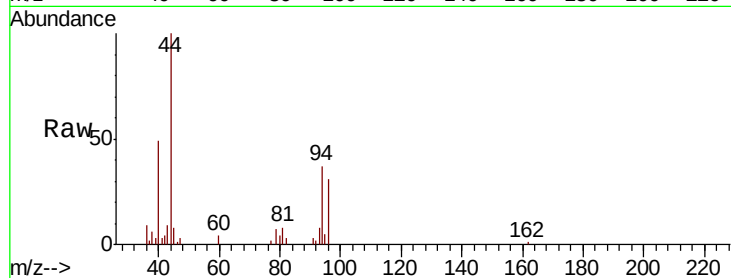
VSTDIC001

Tot Ion: 94 Resp: 7628

Ion Ratio Lower Upper

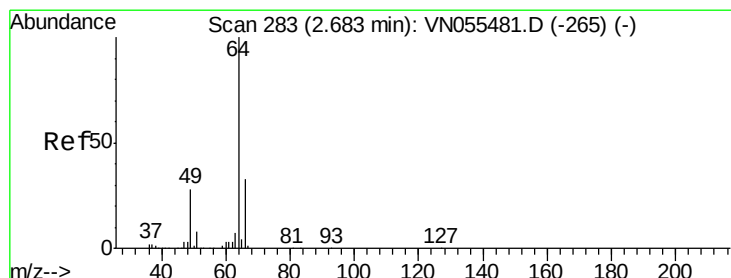
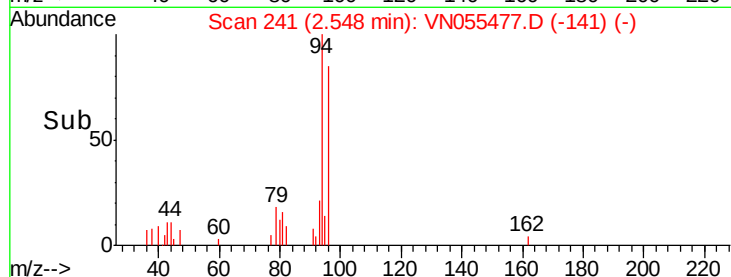
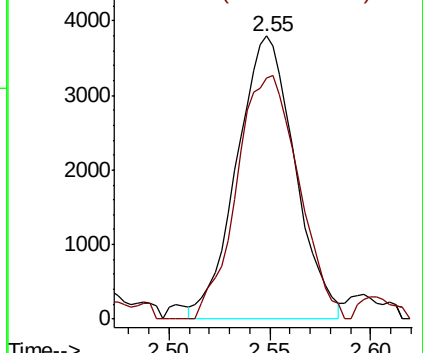
94 100

96 89.1 74.8 112.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 1.405 ug/l

RT: 2.70 min Scan# 287

Delta R.T. 0.01 min

Lab File: VN055477.D

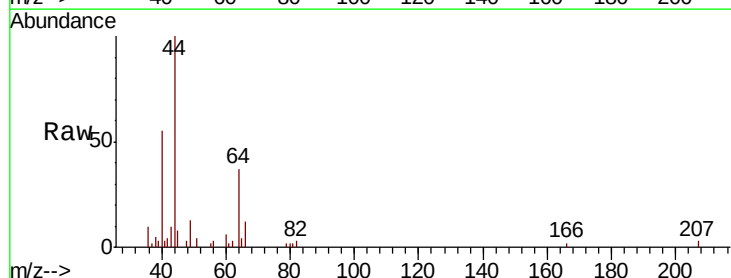
Acq: 8 May 2019 16:07

Tgt Ion: 64 Resp: 7202

Ion Ratio Lower Upper

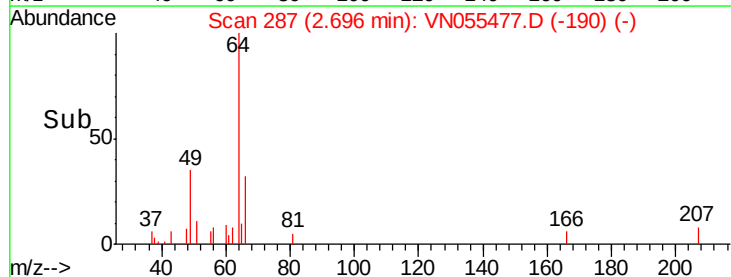
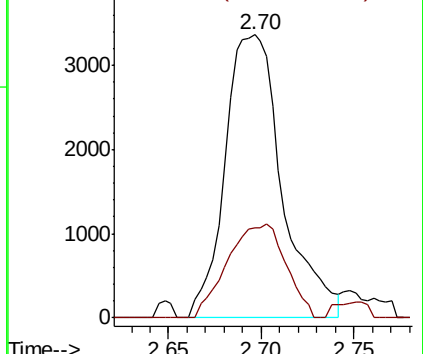
64 100

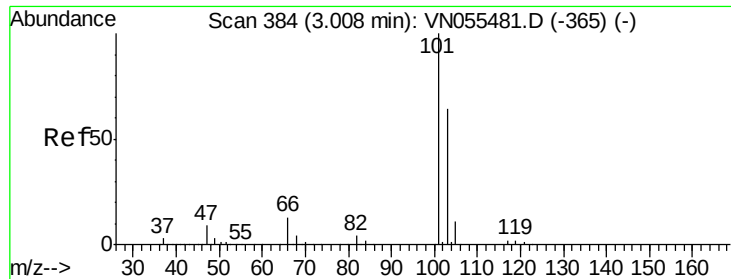
66 32.0 26.2 39.2



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



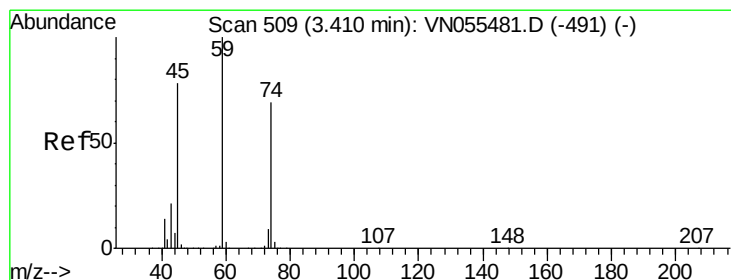
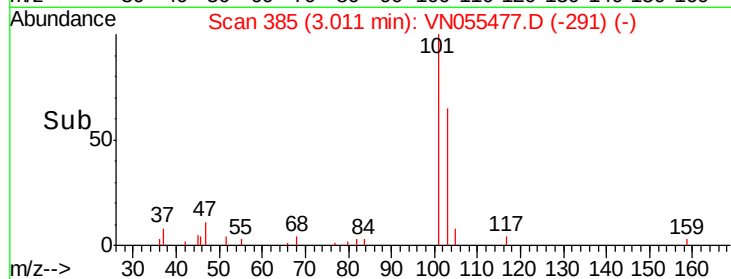
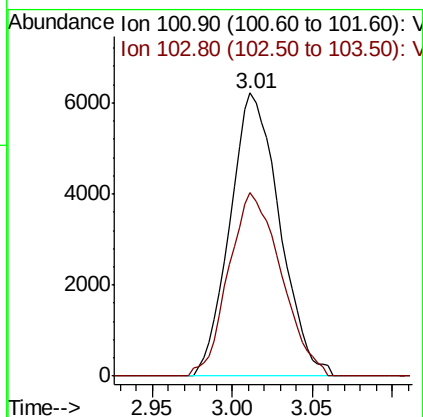
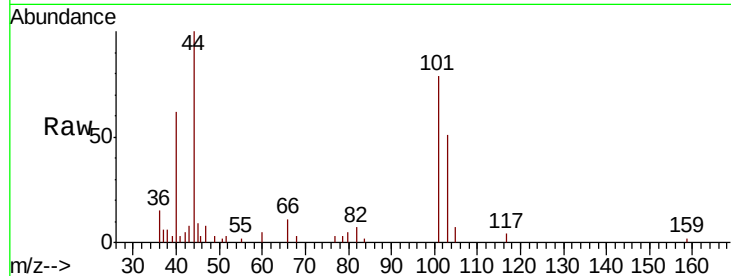


#7

Trichlorofluoromethane
 Concen: 1.037 ug/l
 RT: 3.01 min Scan# 385
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

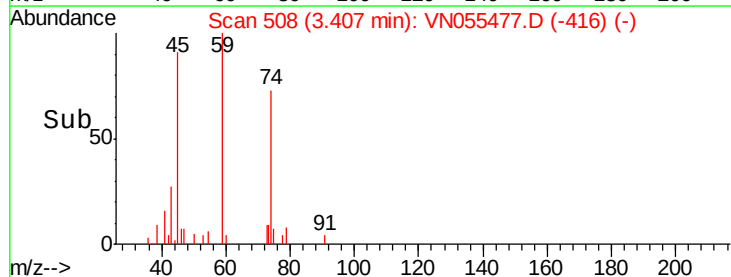
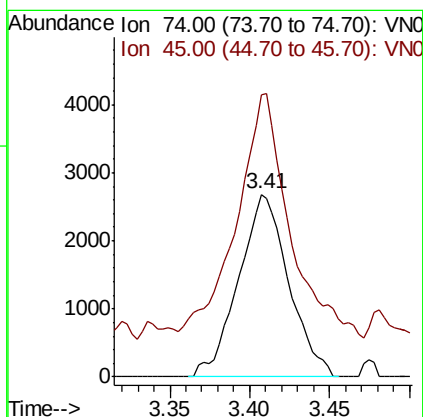
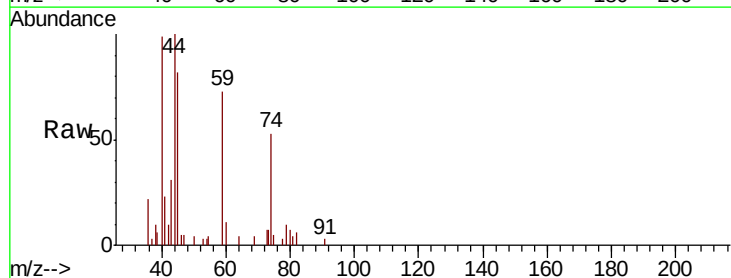
Tot Ion:101 Resp: 13197
 Ion Ratio Lower Upper
 101 100
 103 64.6 51.2 76.8

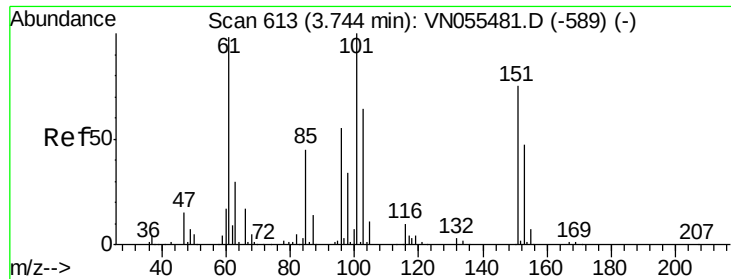


#8

Diethyl Ether
 Concen: 1.242 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. -0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 74 Resp: 5747
 Ion Ratio Lower Upper
 74 100
 45 168.1 58.1 174.3





#9

1,1,2-Trichlorotrifluoroethane

Concen: 1.126 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

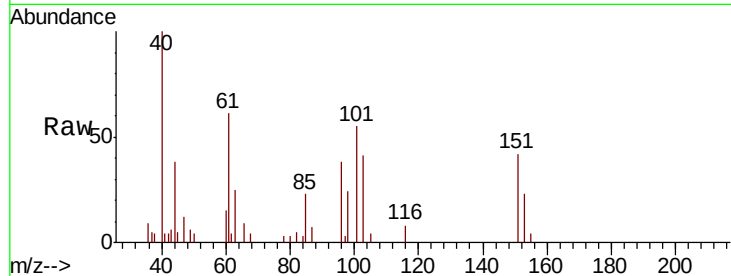
Tot Ion:101 Resp: 8595

Ion Ratio Lower Upper

101 100

85 43.9 35.5 53.3

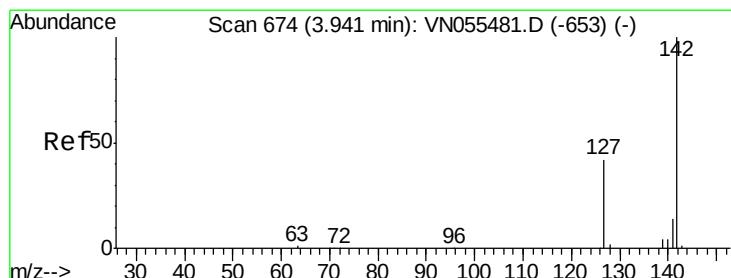
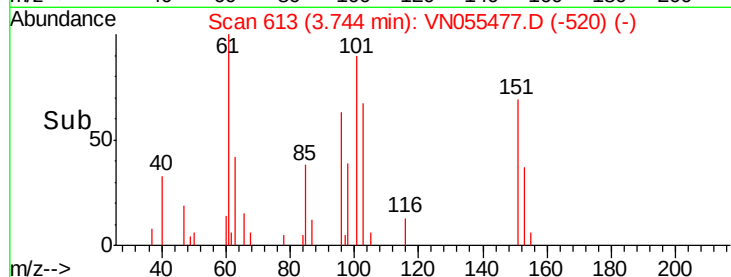
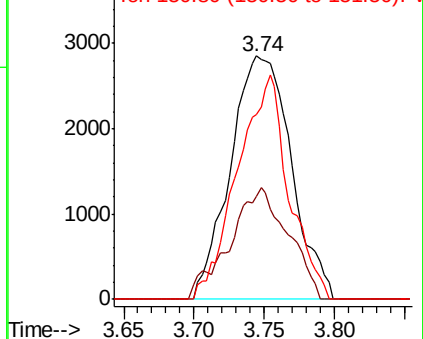
151 77.7 59.2 88.8



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN0

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 0.901 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

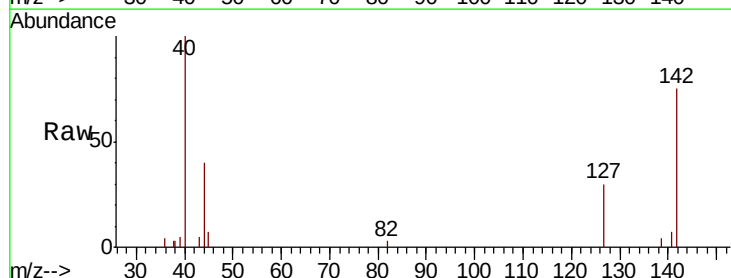
Tgt Ion:142 Resp: 9652

Ion Ratio Lower Upper

142 100

127 4.2 33.0 49.4#

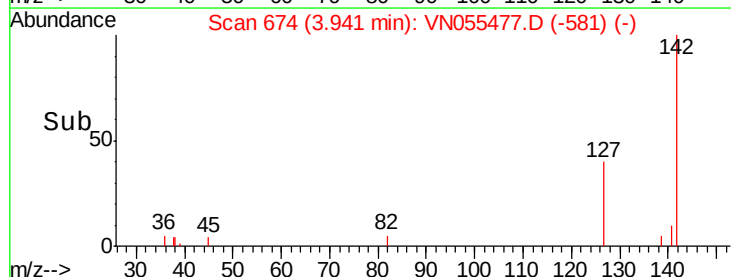
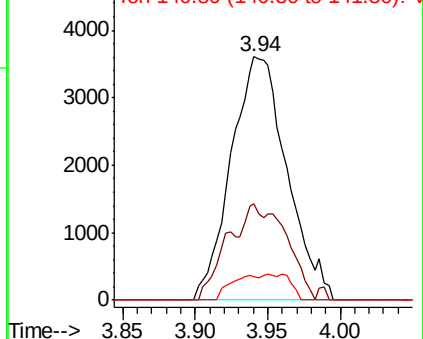
141 5.3 11.4 17.0#

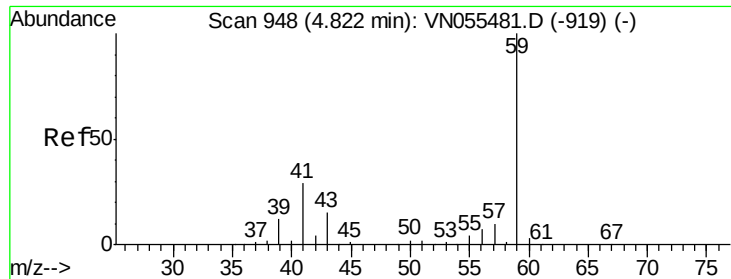


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

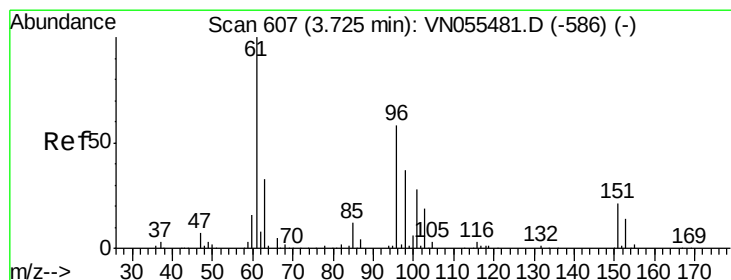
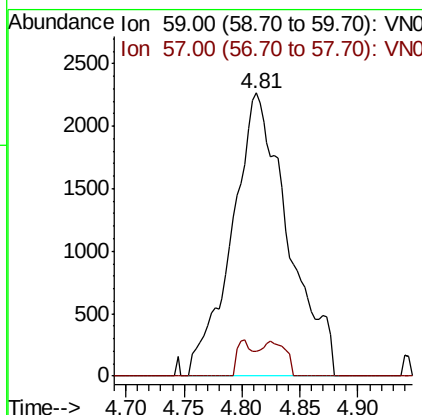
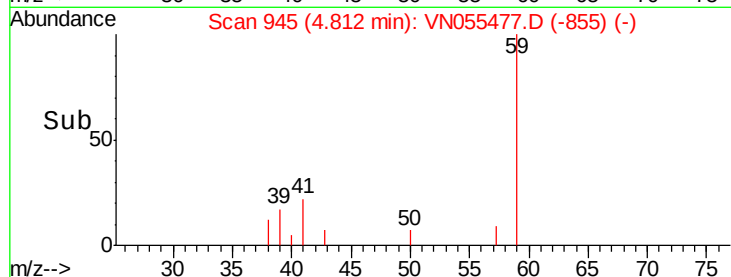
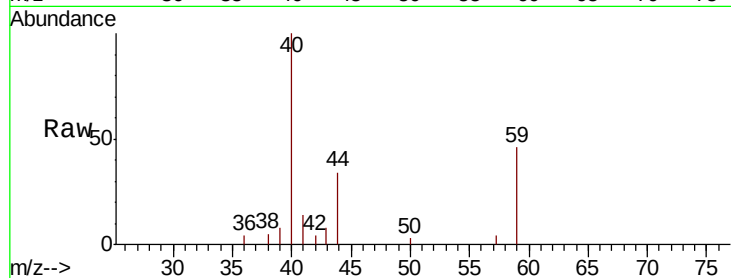




#11
Tert butyl alcohol
Concen: 9.867 ug/l
RT: 4.81 min Scan# 945
Delta R.T. -0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

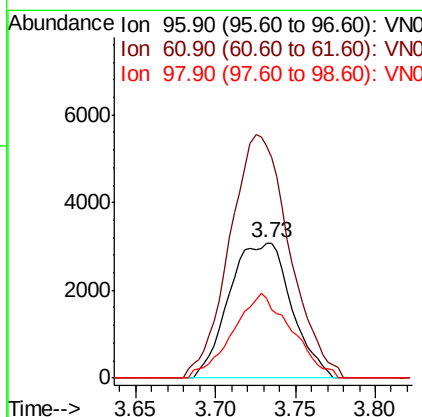
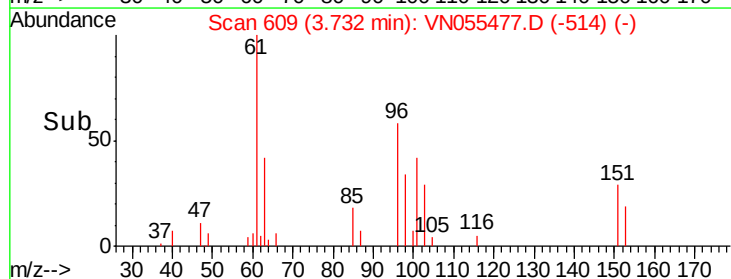
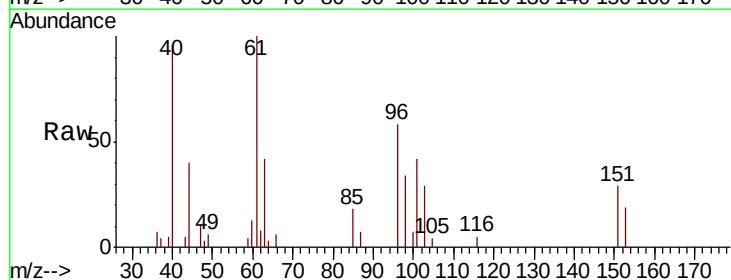
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

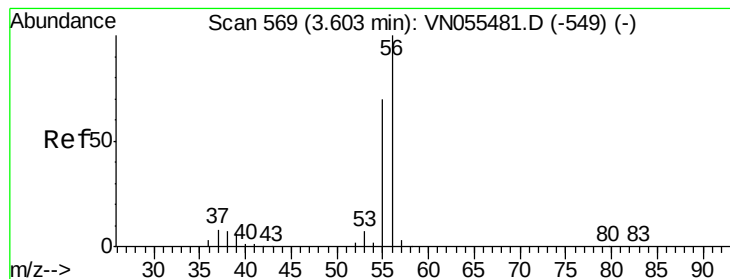
Tot Ion: 59 Resp: 7601
Ion Ratio Lower Upper
59 100
57 3.1 8.0 12.0#



#12
1,1-Dichloroethene
Concen: 1.114 ug/l
RT: 3.73 min Scan# 609
Delta R.T. 0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 96 Resp: 8201
Ion Ratio Lower Upper
96 100
61 164.6 138.7 208.1
98 59.1 50.6 76.0





#13

Acrolein

Concen: 11.737 ug/l

RT: 3.61 min Scan# 570

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

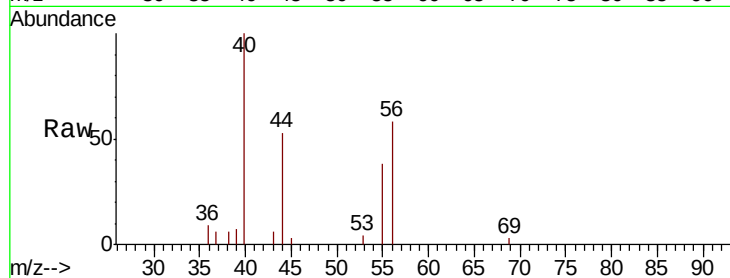
VSTDIC001

Tot Ion: 56 Resp: 6485

Ion Ratio Lower Upper

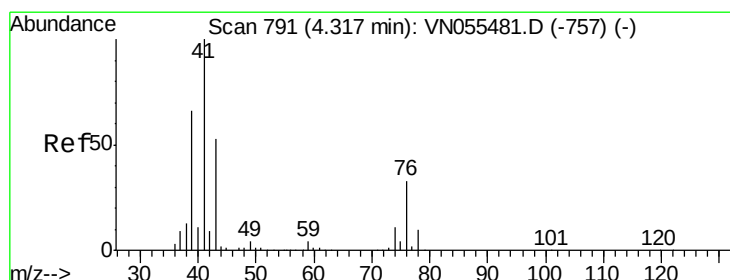
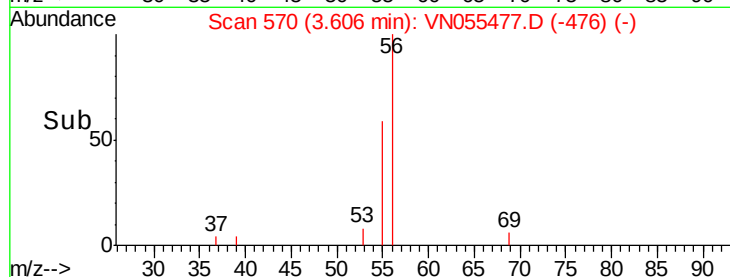
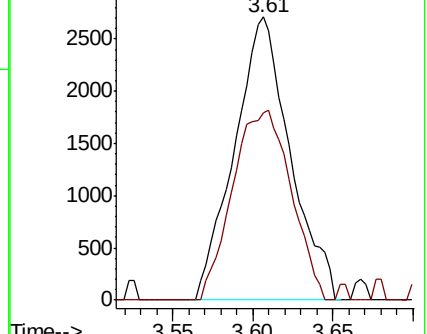
56 100

55 70.3 57.7 86.5



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 1.122 ug/l

RT: 4.32 min Scan# 792

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

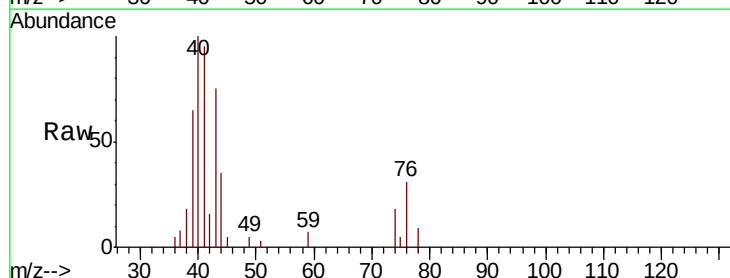
Tgt Ion: 41 Resp: 17098

Ion Ratio Lower Upper

41 100

39 62.6 49.8 74.8

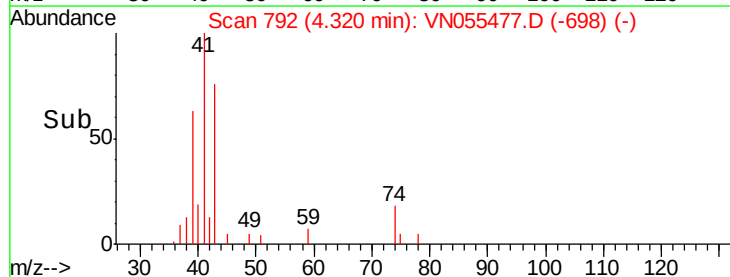
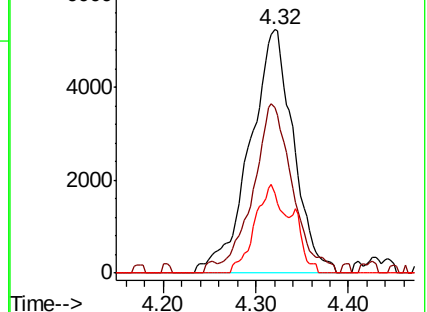
76 24.1 23.5 35.3

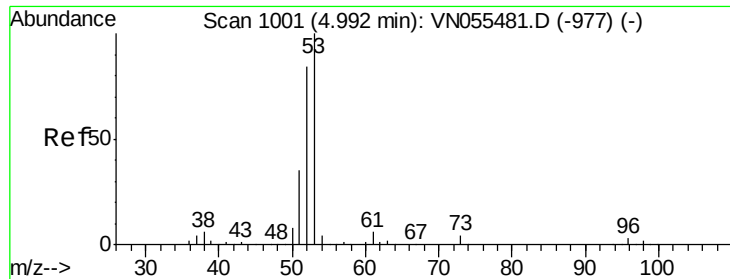


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 6.778 ug/l

RT: 4.99 min Scan# 1001

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

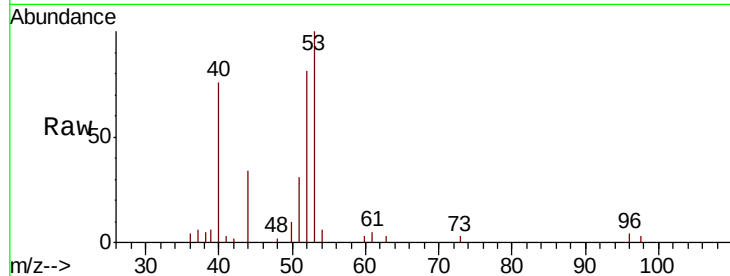
Tot Ion: 53 Resp: 23151

Ion Ratio Lower Upper

53 100

52 81.8 66.1 99.1

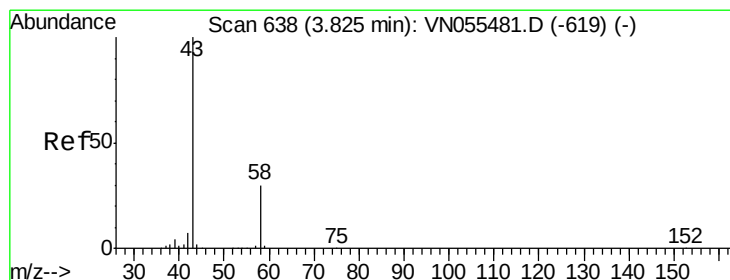
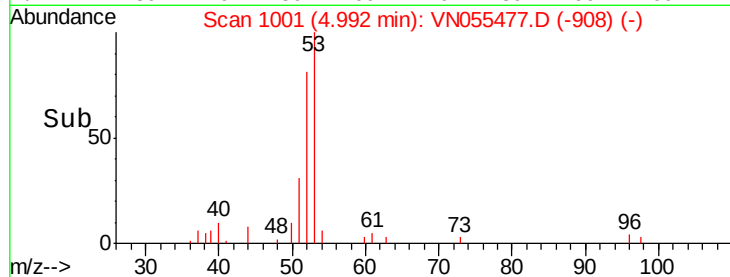
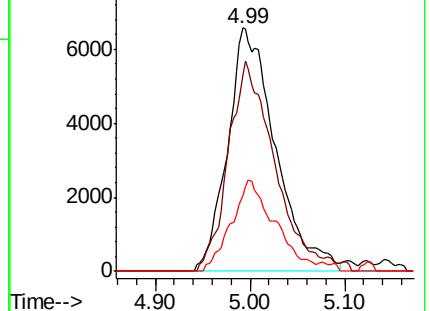
51 33.8 28.3 42.5



Abundance Ion 53.00 (52.70 to 53.70): VN0

Ion 52.00 (51.70 to 52.70): VN0

Ion 51.00 (50.70 to 51.70): VN0



#16

Acetone

Concen: 7.840 ug/l

RT: 3.82 min Scan# 637

Delta R.T. -0.00 min

Lab File: VN055477.D

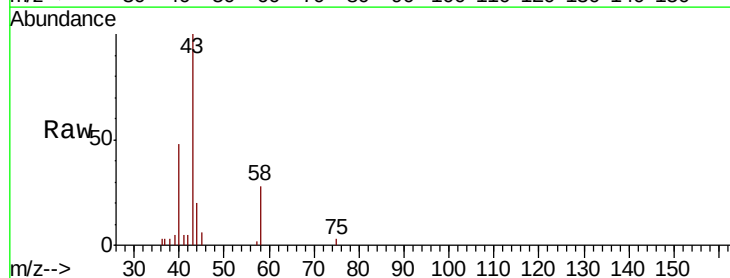
Acq: 8 May 2019 16:07

Tgt Ion: 43 Resp: 26183

Ion Ratio Lower Upper

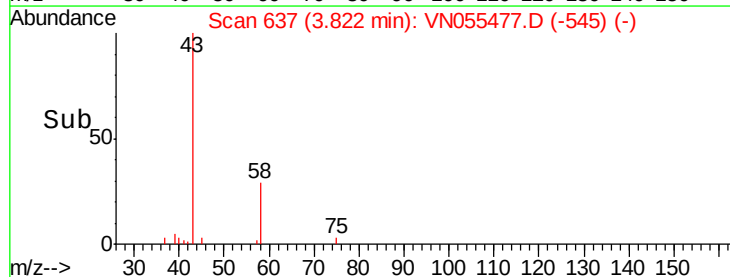
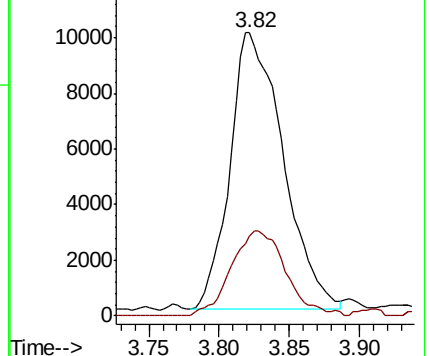
43 100

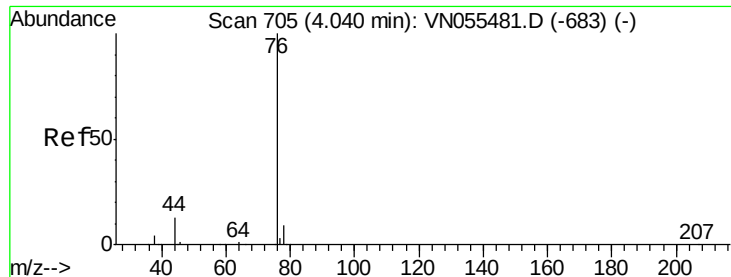
58 29.0 24.2 36.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#17

Carbon Disulfide

Concen: 1.196 ug/l

RT: 4.04 min Scan# 706

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

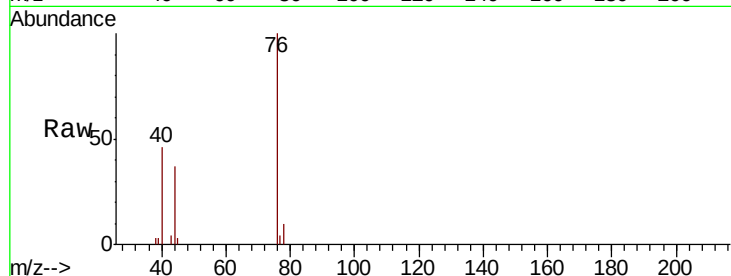
VSTDIC001

Tot Ion: 76 Resp: 23087

Ion Ratio Lower Upper

76 100

78 10.1 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

4.04

10000

8000

6000

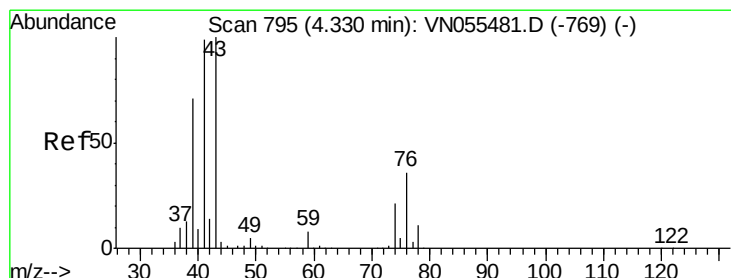
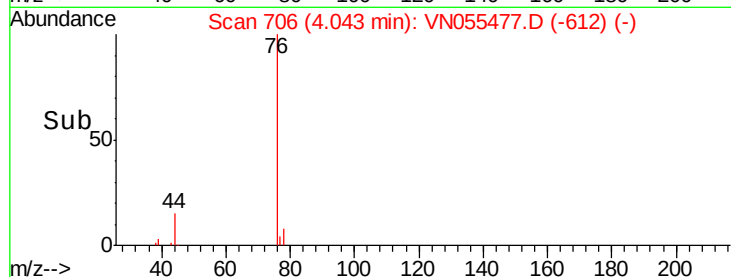
4000

2000

0

Time-->

3.95 4.00 4.05 4.10



#18

Methyl Acetate

Concen: 2.114 ug/l

RT: 4.34 min Scan# 797

Delta R.T. 0.01 min

Lab File: VN055477.D

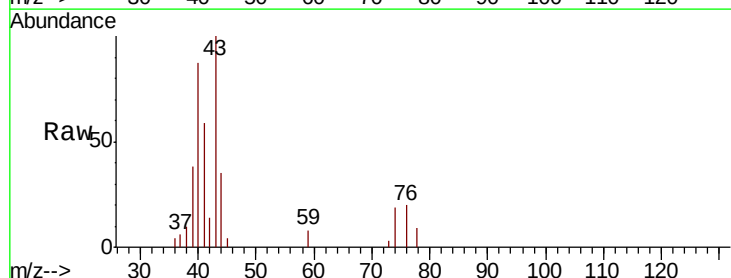
Acq: 8 May 2019 16:07

Tgt Ion: 43 Resp: 19515

Ion Ratio Lower Upper

43 100

74 12.9 16.3 24.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.34

6000

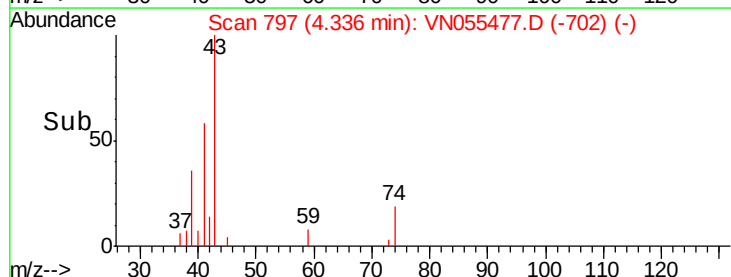
4000

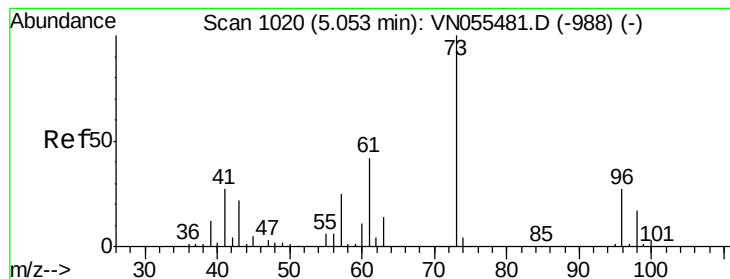
2000

0

Time-->

4.25 4.30 4.35 4.40 4.45





#19

Methyl tert-butyl Ether

Concen: 1.208 ug/l

RT: 5.05 min Scan# 1020

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

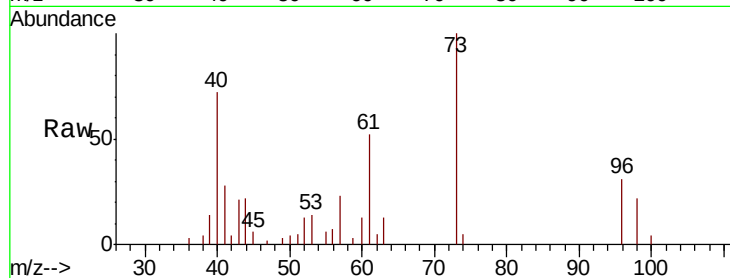
VSTDIC001

Tot Ion: 73 Resp: 25747

Ion Ratio Lower Upper

73 100

57 22.8 20.0 30.0



Abundance Ion 73.00 (72.70 to 73.70): VN055481.D (-988) (-)

Ion 57.00 (56.70 to 57.70): VN055481.D (-988) (-)

5.05

8000

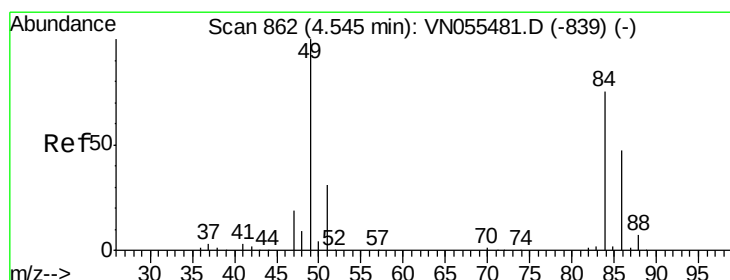
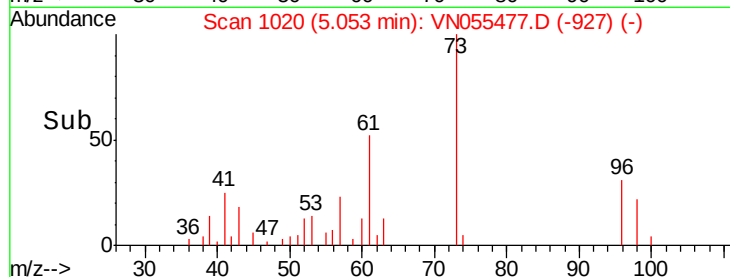
6000

4000

2000

0

Time-->



#20

Methylene Chloride

Concen: 1.308 ug/l

RT: 4.55 min Scan# 862

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Tgt Ion: 84 Resp: 12194

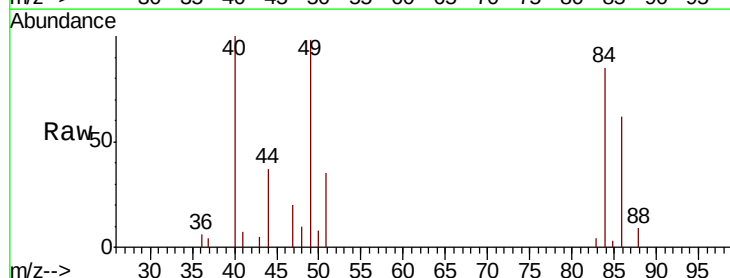
Ion Ratio Lower Upper

84 100

49 114.4 107.0 160.6

51 40.7 33.0 49.4

86 73.2 50.6 76.0



Abundance Ion 83.90 (83.60 to 84.60): VN055481.D (-839) (-)

Ion 48.90 (48.60 to 49.60): VN055481.D (-839) (-)

Ion 50.90 (50.60 to 51.60): VN055481.D (-839) (-)

Ion 85.90 (85.60 to 86.60): VN055481.D (-839) (-)

8000

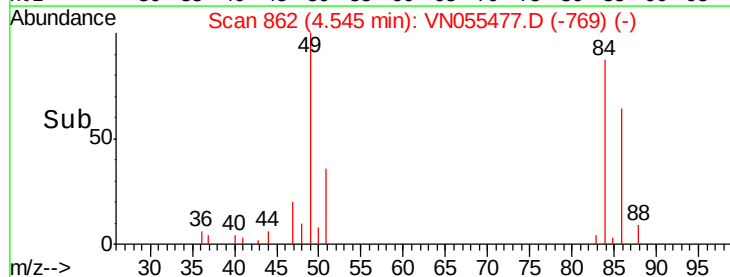
6000

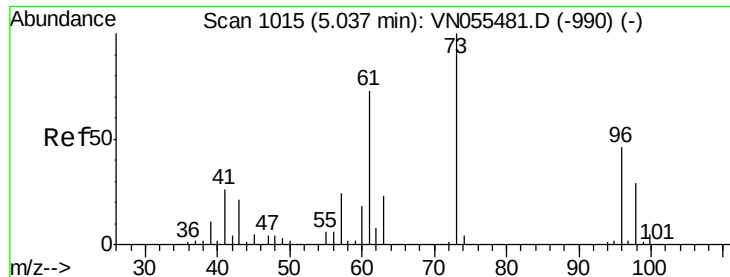
4000

2000

0

Time-->

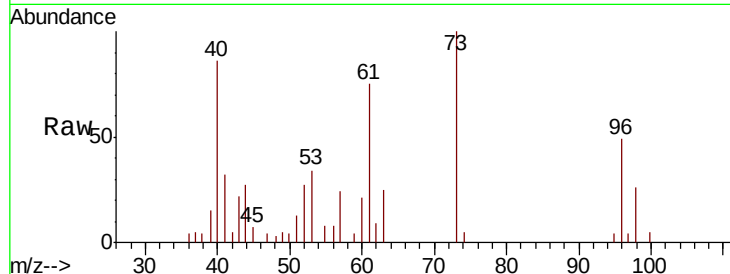




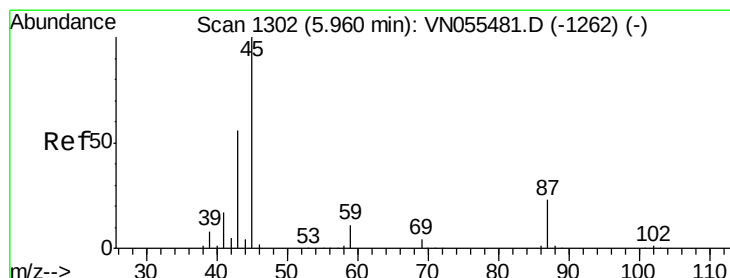
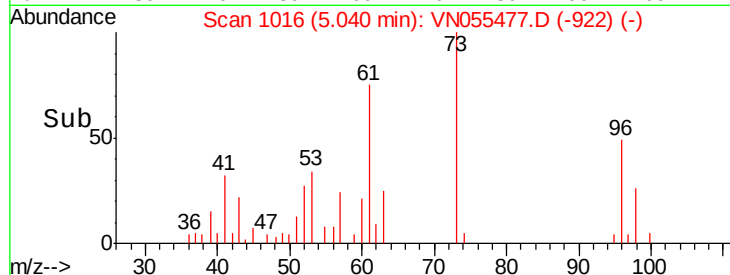
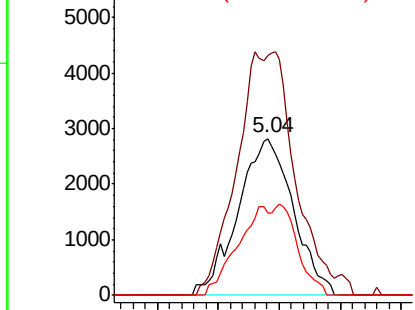
#21
trans-1,2-Dichloroethene
Concen: 1.134 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 96 Resp: 8866
Ion Ratio Lower Upper
96 100
61 152.6 127.4 191.0
98 52.7 51.6 77.4

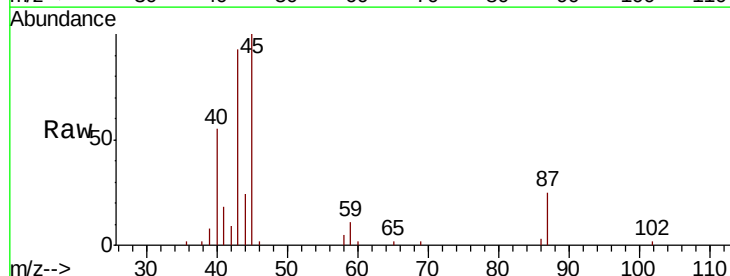


Abundance Ion 95.90 (95.60 to 96.60): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 97.90 (97.60 to 98.60): VN0

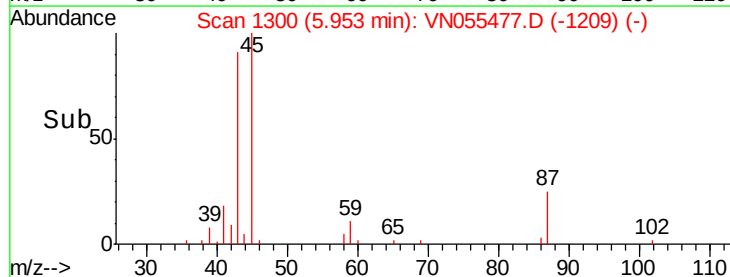
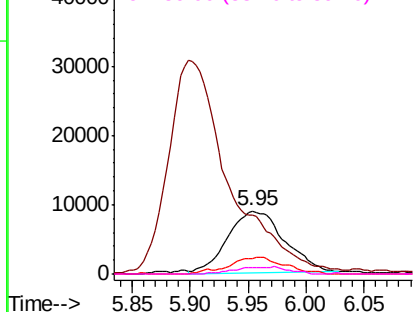


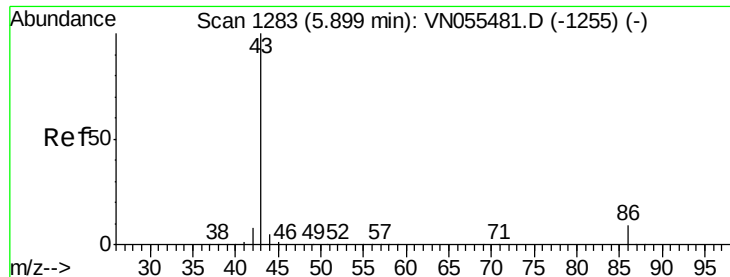
#22
Diisopropyl ether
Concen: 0.997 ug/l
RT: 5.95 min Scan# 1300
Delta R.T. -0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 45 Resp: 30363
Ion Ratio Lower Upper
45 100
43 88.4 44.6 66.8#
87 26.3 18.6 28.0
59 10.9 8.6 12.8



Abundance Ion 45.00 (44.70 to 45.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 87.00 (86.70 to 87.70): VN0
Ion 59.00 (58.70 to 59.70): VN0





#23

Vinyl Acetate

Concen: 5.390 ug/l

RT: 5.90 min Scan# 1283

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

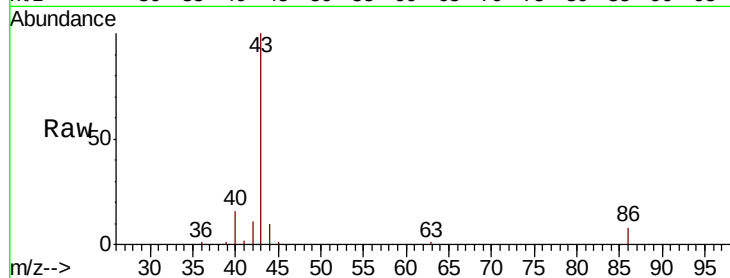
VSTDIC001

Tot Ion: 43 Resp: 111030

Ion Ratio Lower Upper

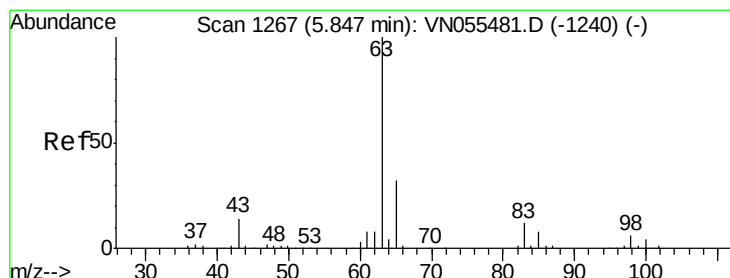
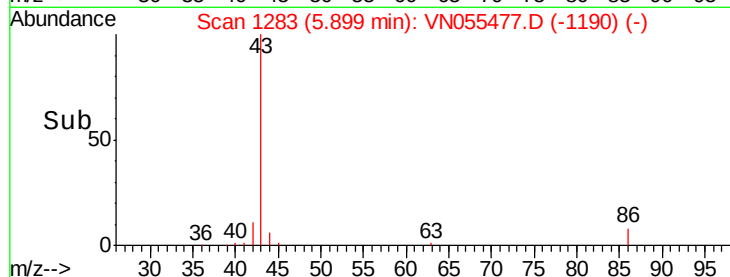
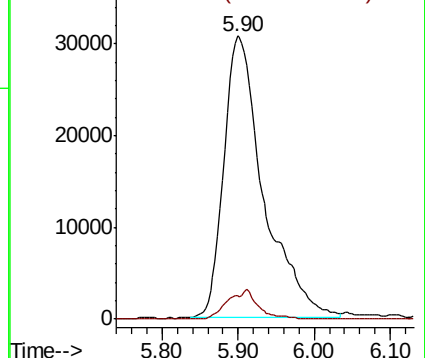
43 100

86 8.5 7.1 10.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 86.00 (85.70 to 86.70): VN0



#24

1,1-Dichloroethane

Concen: 1.150 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. -0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

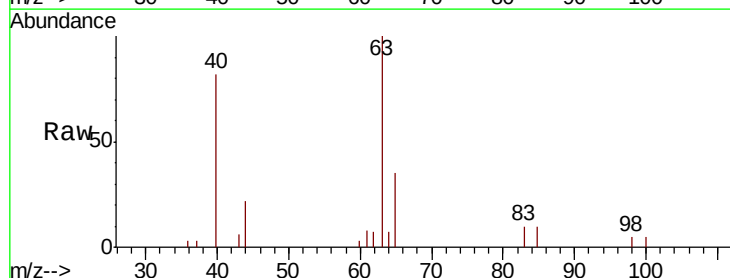
Tgt Ion: 63 Resp: 18656

Ion Ratio Lower Upper

63 100

98 5.3 3.0 9.0

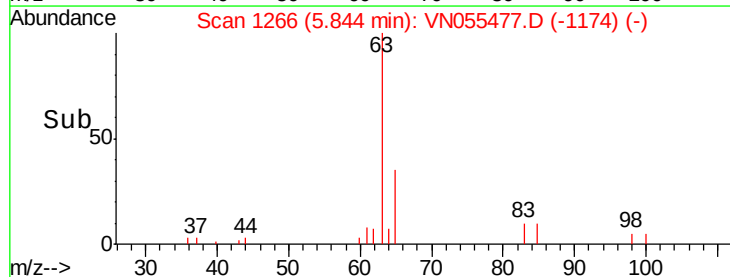
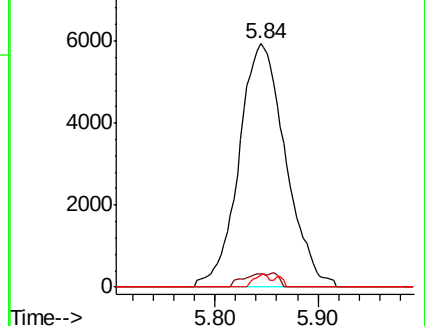
100 4.7 1.9 5.7

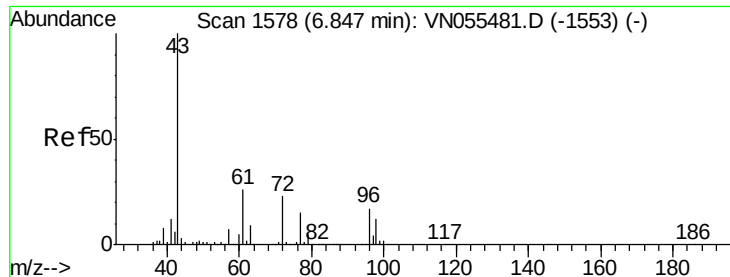


Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

Ion 99.90 (99.60 to 100.60): VN0

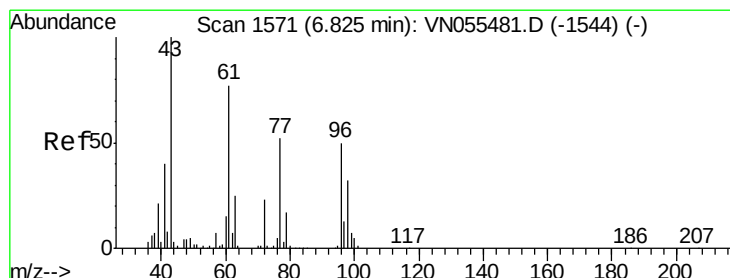
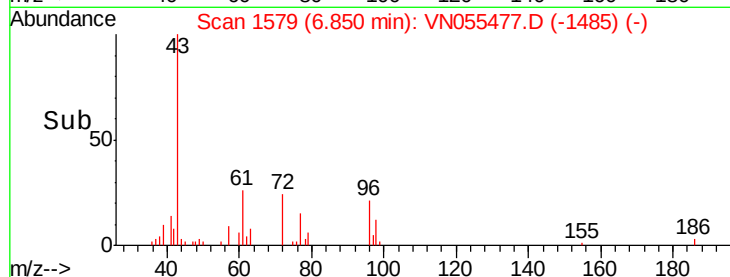
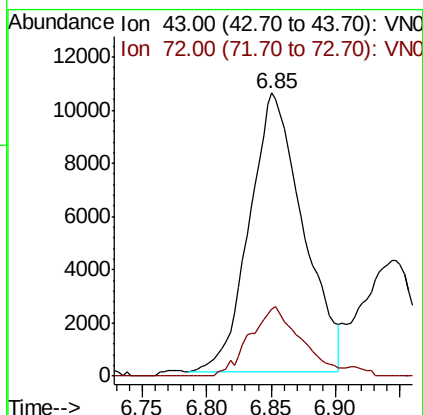
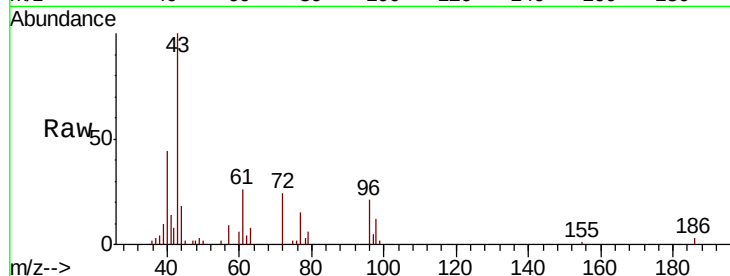




#25
2-Butanone
Concen: 6.888 ug/l
RT: 6.85 min Scan# 1579
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

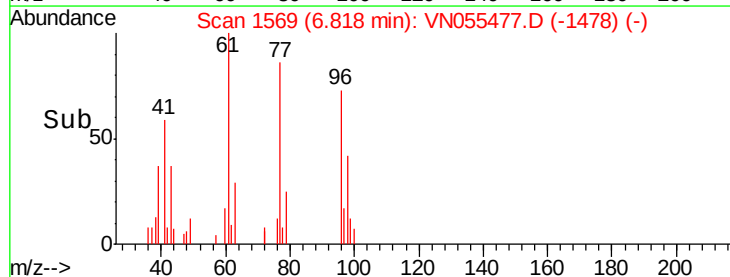
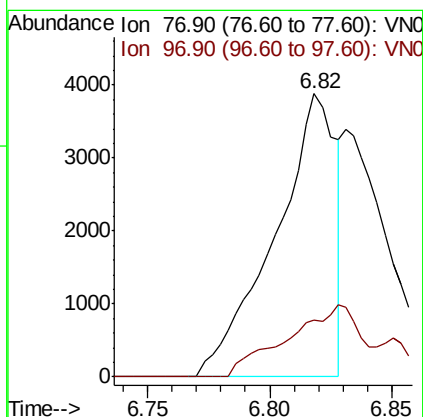
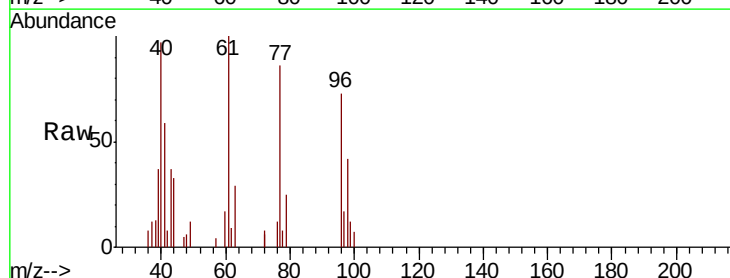
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

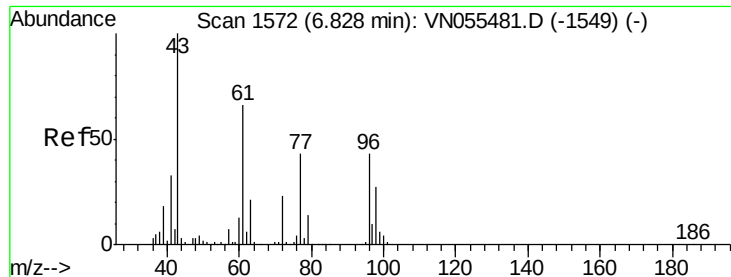
Tot Ion: 43 Resp: 30218
Ion Ratio Lower Upper
43 100
72 24.2 18.6 27.8



#26
2,2-Dichloropropane
Concen: 0.608 ug/l
RT: 6.82 min Scan# 1569
Delta R.T. -0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 77 Resp: 6716
Ion Ratio Lower Upper
77 100
97 31.0 11.5 34.5

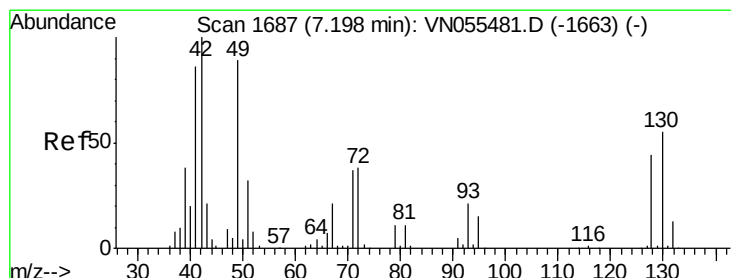
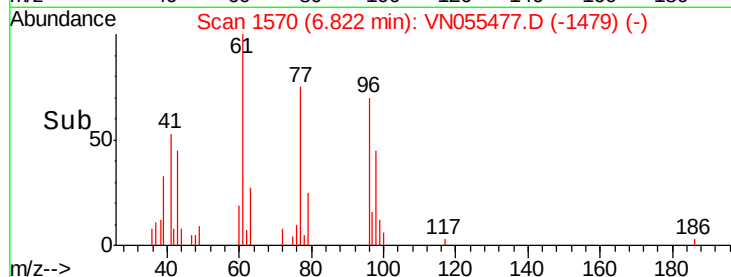
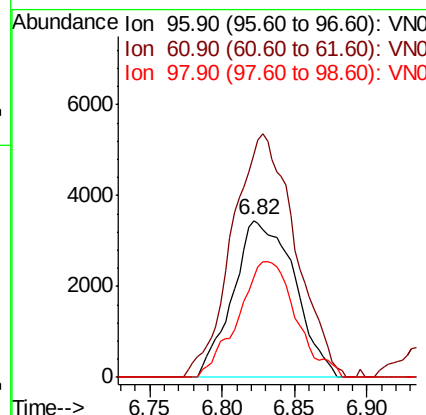
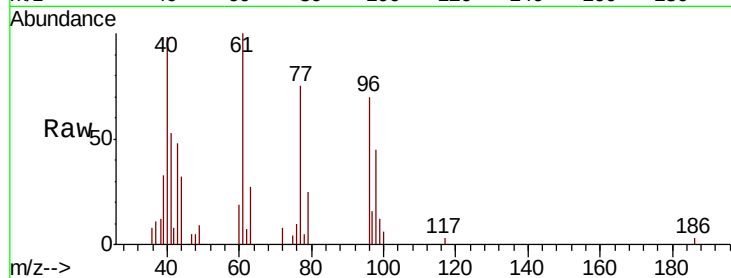




#27
 cis-1,2-Dichloroethene
 Concen: 1.136 ug/l
 RT: 6.82 min Scan# 1570
 Delta R.T. -0.01 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

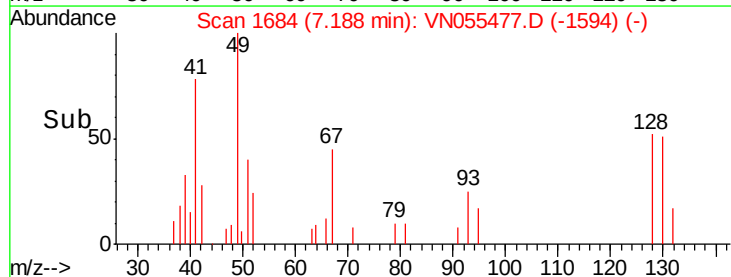
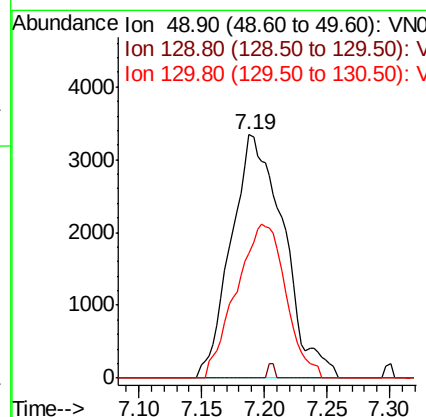
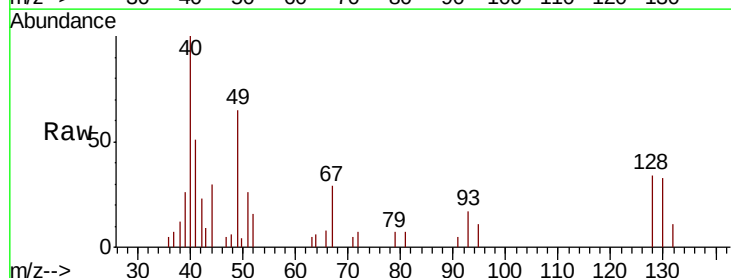
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

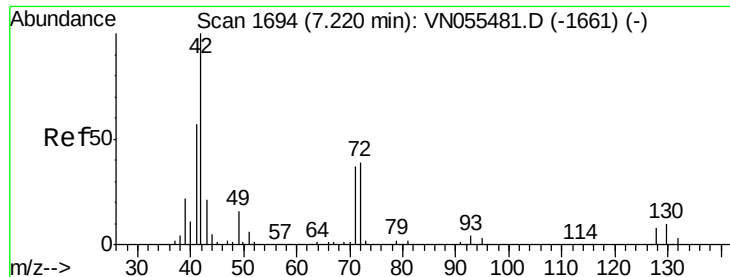
Tot Ion: 96 Resp: 10157
 Ion Ratio Lower Upper
 96 100
 61 159.4 0.0 310.8
 98 69.4 0.0 129.4



#28
 Bromochloromethane
 Concen: 1.175 ug/l
 RT: 7.19 min Scan# 1684
 Delta R.T. -0.01 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 49 Resp: 9722
 Ion Ratio Lower Upper
 49 100
 129 0.8 0.0 3.2
 130 59.6 49.5 74.3

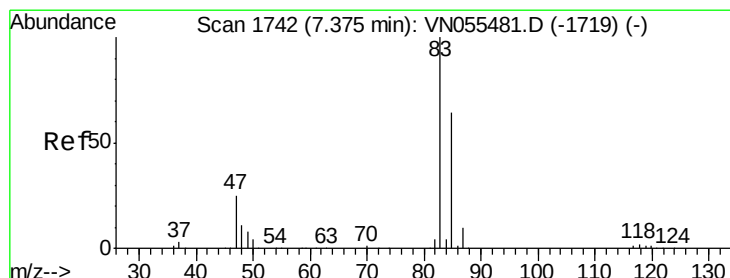
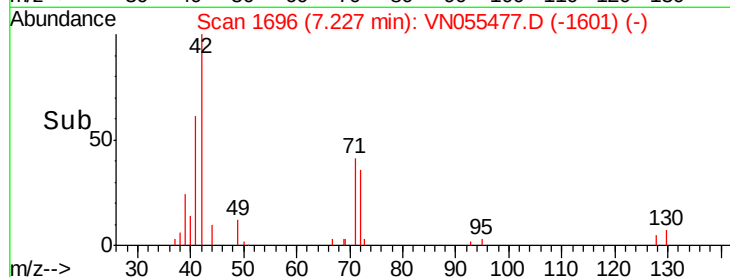
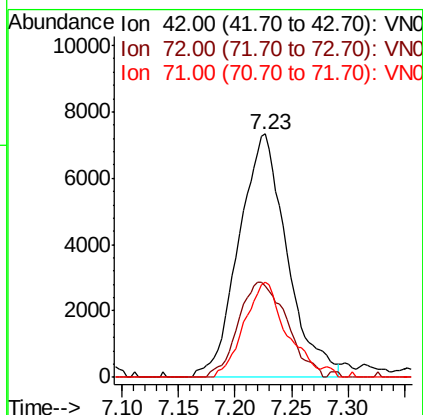
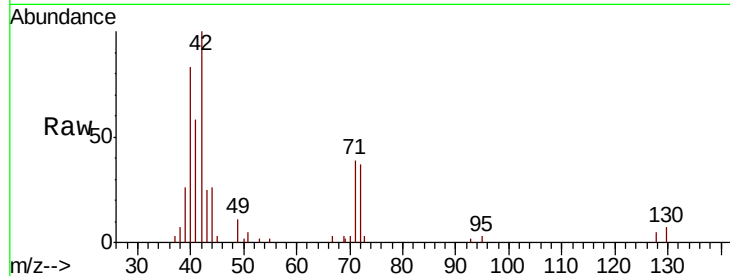




#29
Tetrahydrofuran
Concen: 7.718 ug/l
RT: 7.23 min Scan# 1696
Delta R.T. 0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

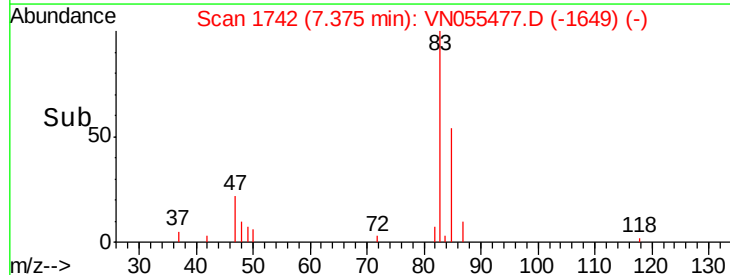
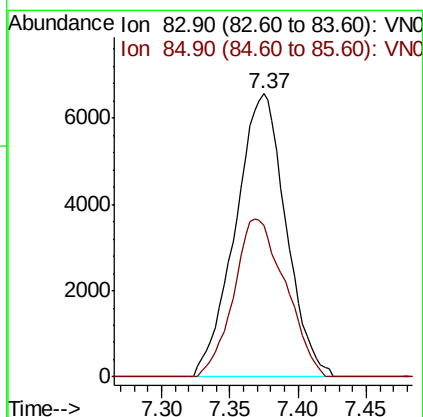
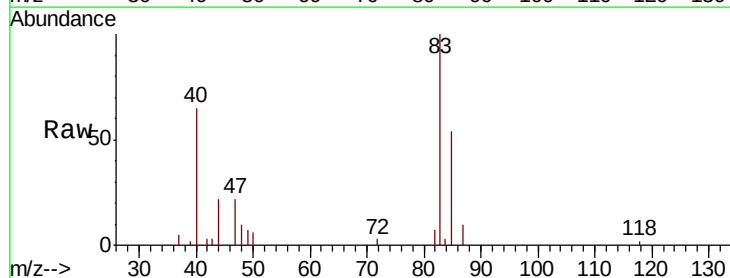
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

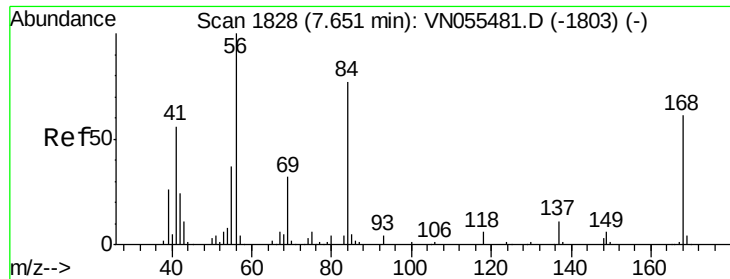
Tot Ion: 42 Resp: 21693
Ion Ratio Lower Upper
42 100
72 39.4 31.0 46.6
71 34.1 29.4 44.2



#30
Chloroform
Concen: 1.101 ug/l
RT: 7.37 min Scan# 1742
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 83 Resp: 16872
Ion Ratio Lower Upper
83 100
85 53.5 51.3 76.9

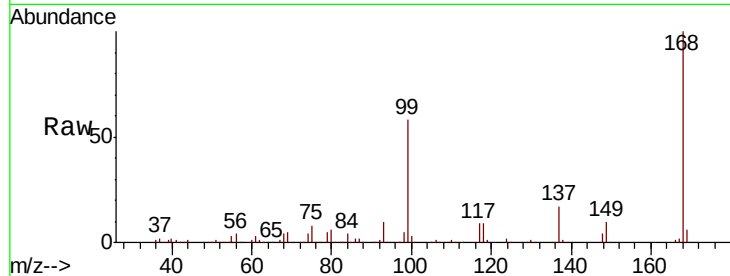




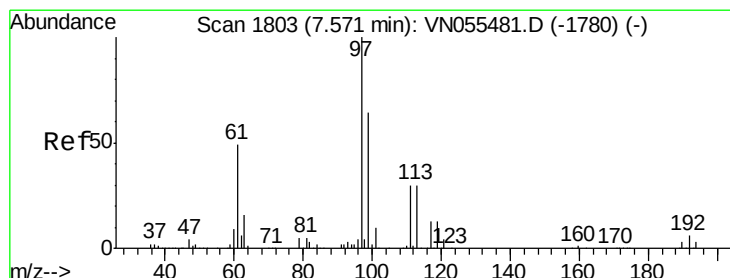
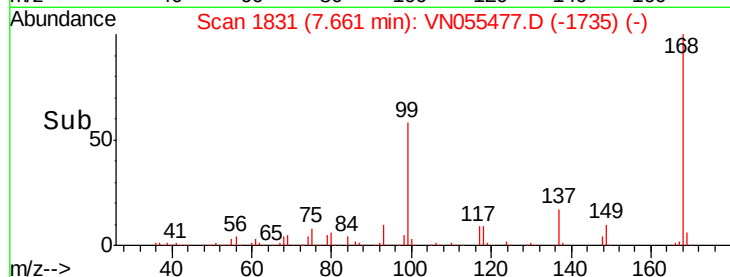
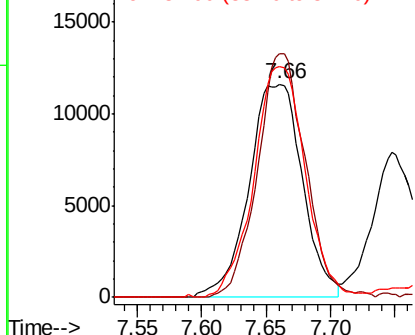
#31
Cyclohexane
Concen: 2.155 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion: 56 Resp: 33535
Ion Ratio Lower Upper
56 100
69 114.0 26.0 39.0#
84 106.7 61.9 92.9#

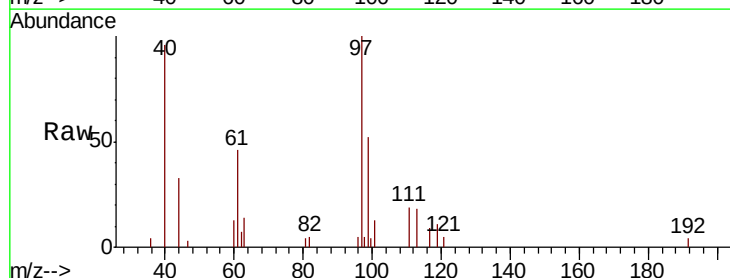


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

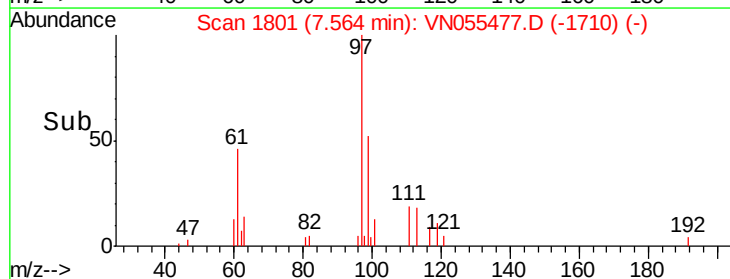
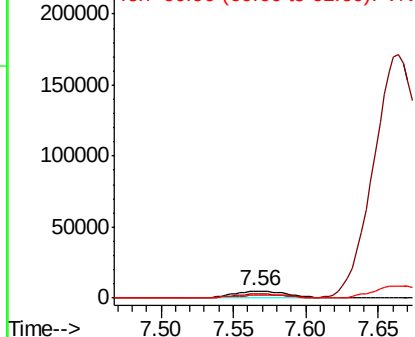


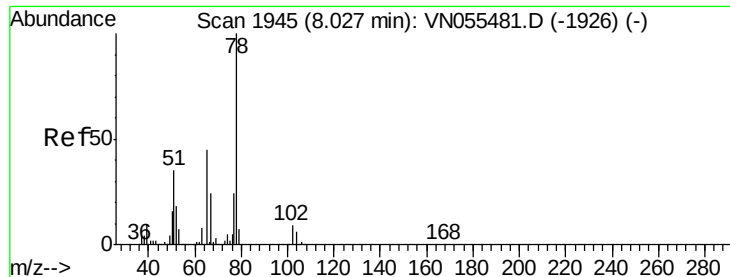
#32
1,1,1-Trichloroethane
Concen: 1.039 ug/l
RT: 7.56 min Scan# 1801
Delta R.T. -0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 97 Resp: 12803
Ion Ratio Lower Upper
97 100
99 0.0 51.2 76.8#
61 50.5 39.2 58.8



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

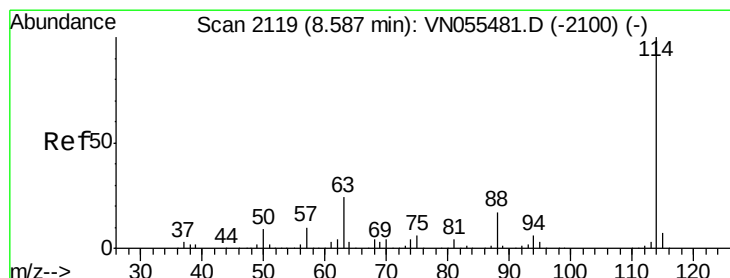
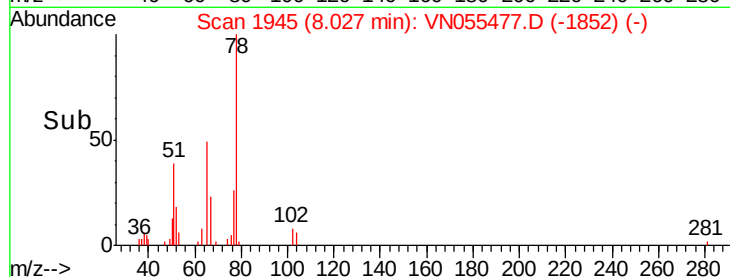
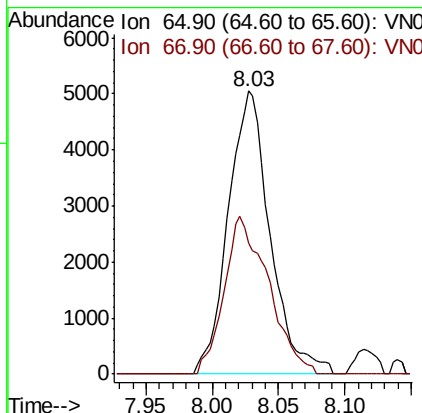
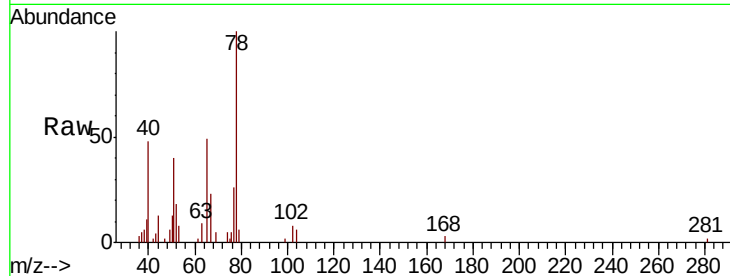




#33
 1,2-Dichloroethane-d4
 Concen: 1.122 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

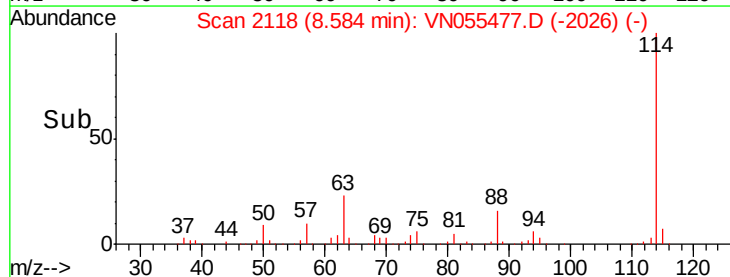
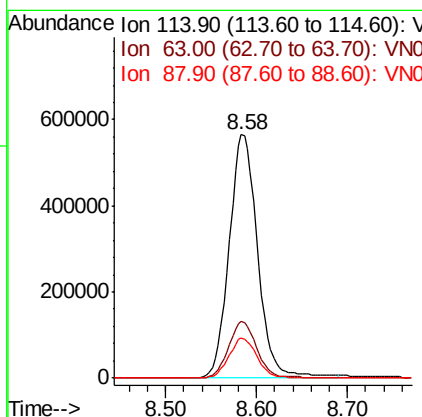
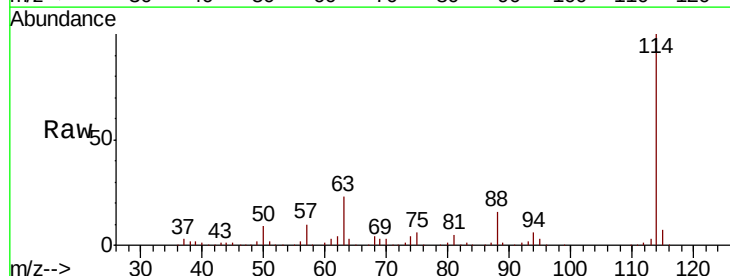
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

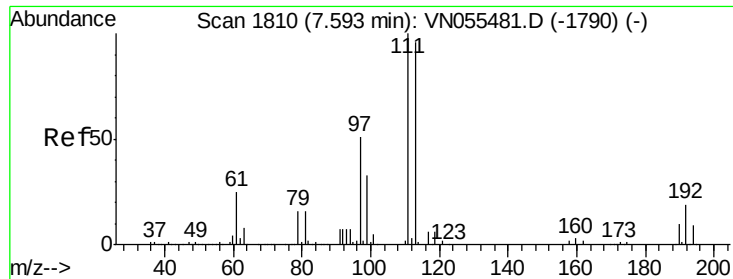
Tot Ion: 65 Resp: 11095
 Ion Ratio Lower Upper
 65 100
 67 58.8 0.0 109.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 114 Resp: 1232369
 Ion Ratio Lower Upper
 114 100
 63 23.2 0.0 47.4
 88 16.4 0.0 34.0

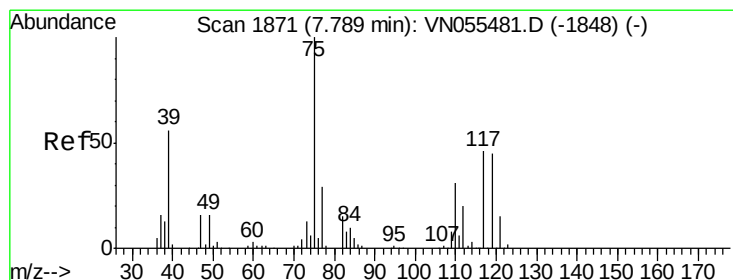
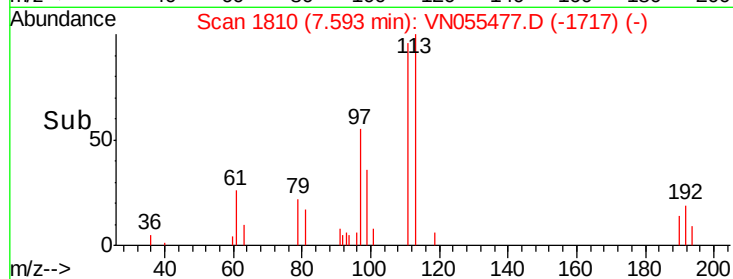
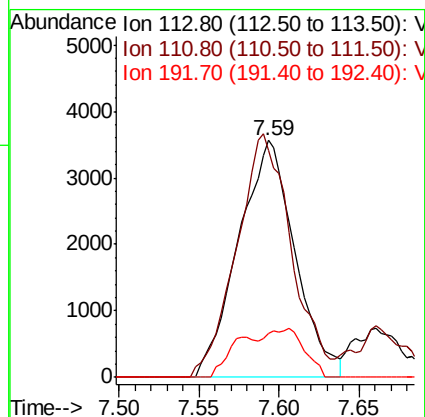
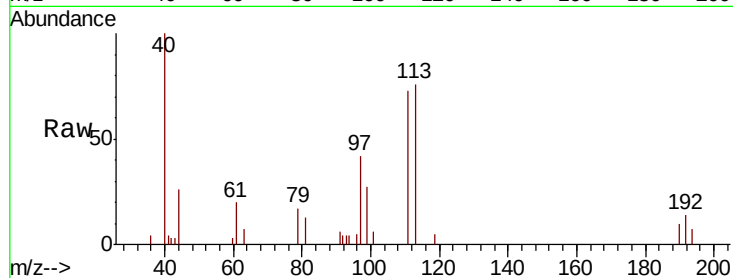




#35
 Dibromofluoromethane
 Concen: 1.067 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

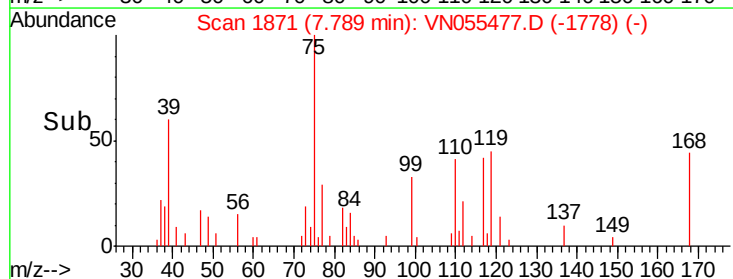
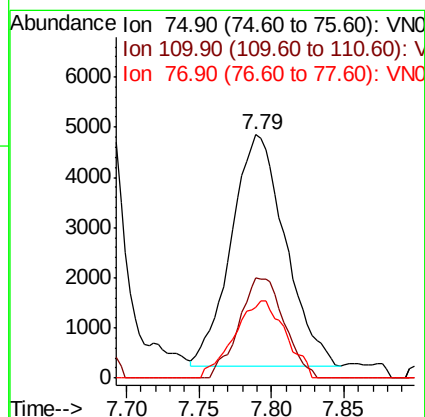
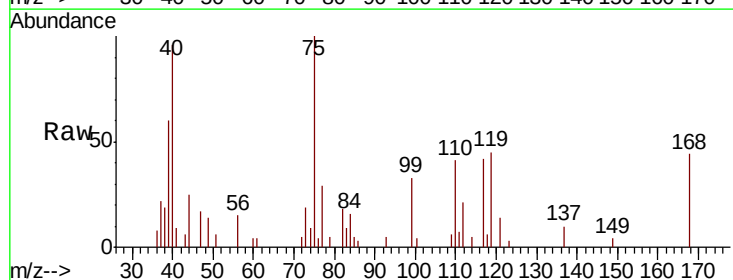
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

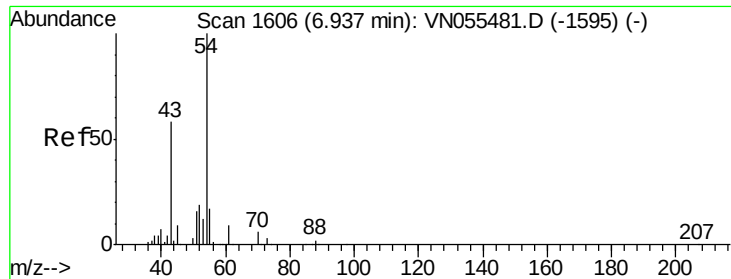
Tot Ion:113 Resp: 8660
 Ion Ratio Lower Upper
 113 100
 111 98.5 82.9 124.3
 192 9.0 15.6 23.4#



#36
 1,1-Dichloropropene
 Concen: 0.994 ug/l
 RT: 7.79 min Scan# 1871
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 75 Resp: 11919
 Ion Ratio Lower Upper
 75 100
 110 36.5 16.1 48.3
 77 31.6 24.6 37.0

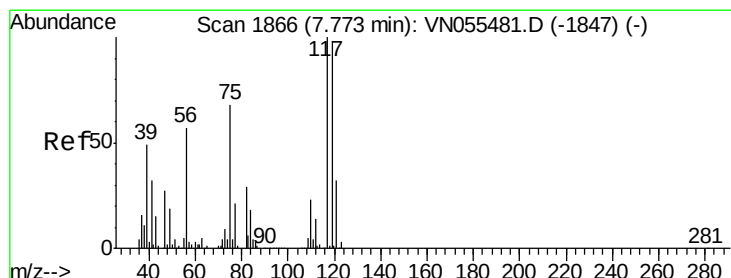
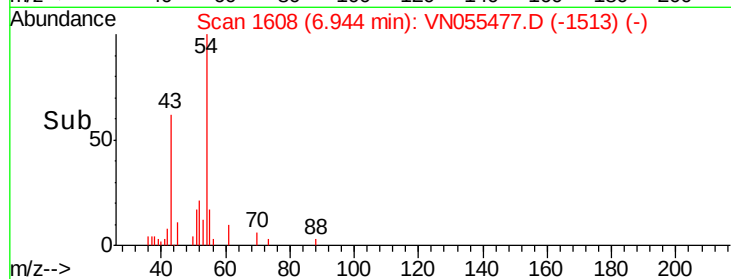
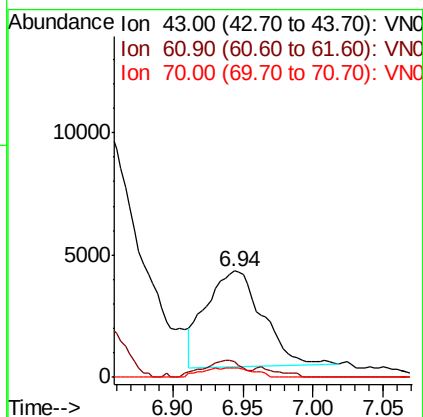
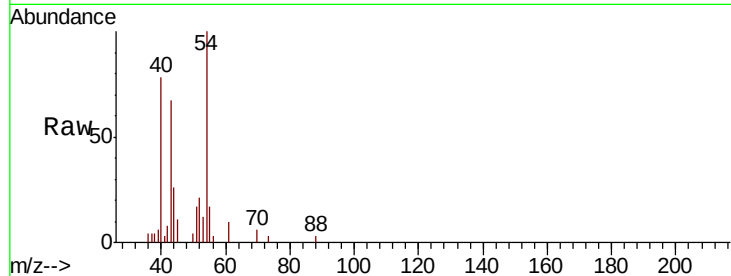




#37
Ethyl Acetate
Concen: 1.103 ug/l
RT: 6.94 min Scan# 1608
Delta R.T. 0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

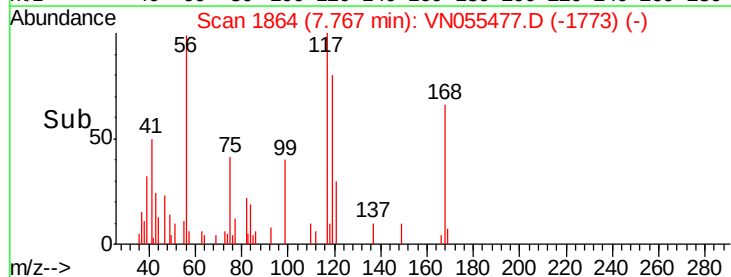
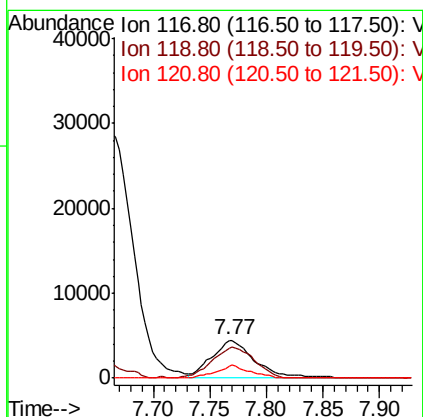
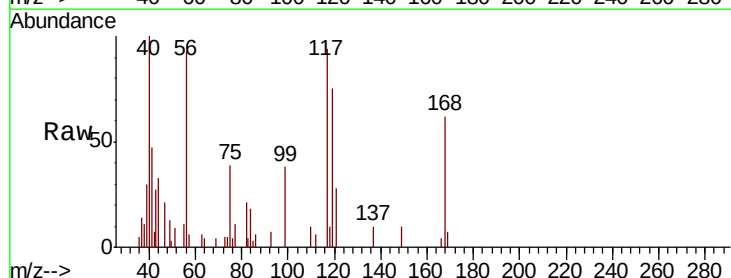
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

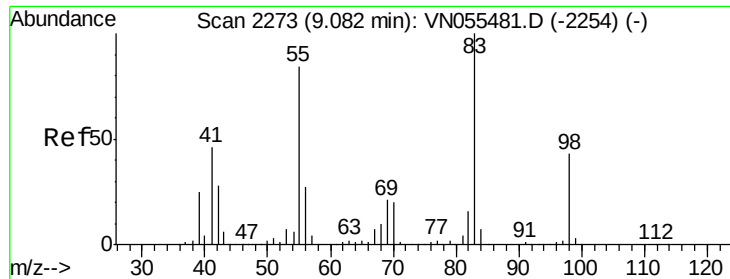
Tot Ion: 43 Resp: 10900
Ion Ratio Lower Upper
43 100
61 11.7 10.9 16.3
70 9.1 7.0 10.6



#38
Carbon Tetrachloride
Concen: 1.051 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 117 Resp: 11813
Ion Ratio Lower Upper
117 100
119 79.9 77.8 116.6
121 30.2 25.2 37.8

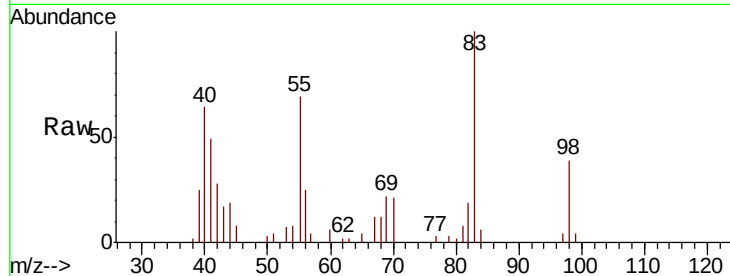




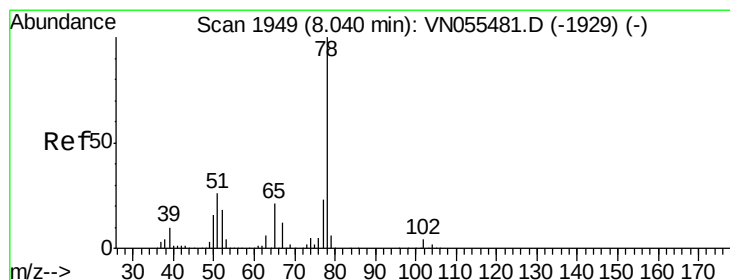
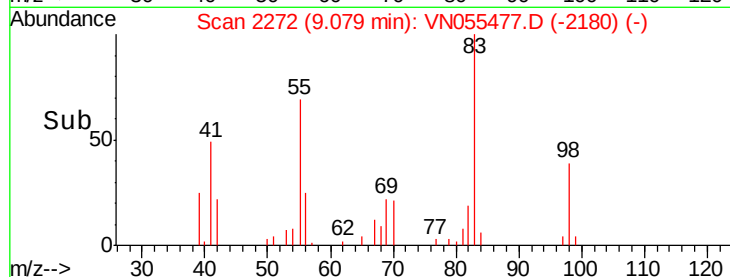
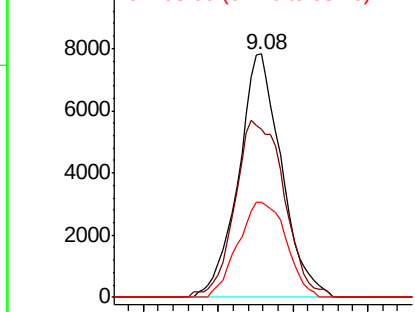
#39
Methylvlcyclohexane
Concen: 1.213 ug/l
RT: 9.08 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion: 83 Resp: 15669
Ion Ratio Lower Upper
83 100
55 69.1 67.0 100.4
98 39.1 34.2 51.4

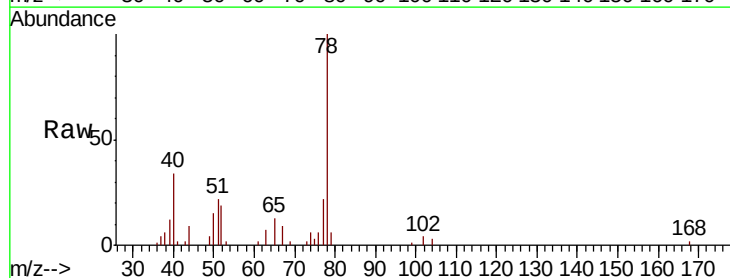


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

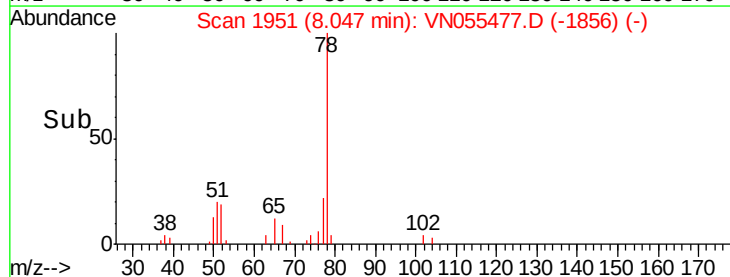
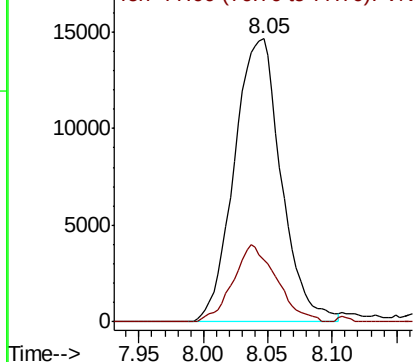


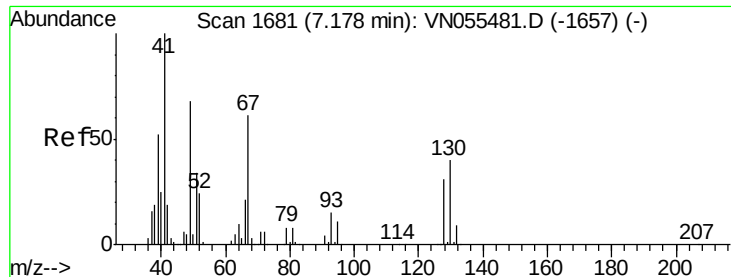
#40
Benzene
Concen: 1.048 ug/l
RT: 8.05 min Scan# 1951
Delta R.T. 0.01 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 78 Resp: 37125
Ion Ratio Lower Upper
78 100
77 22.1 18.6 27.8



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

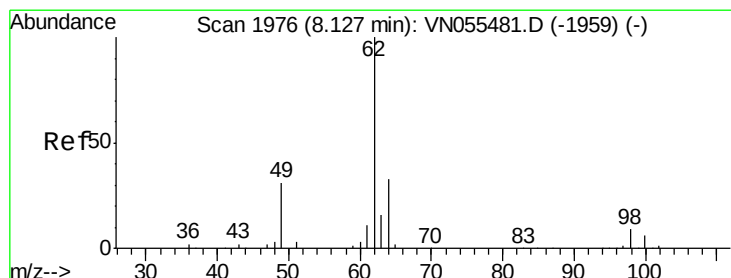
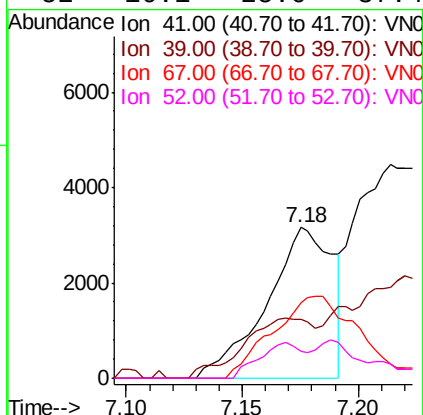
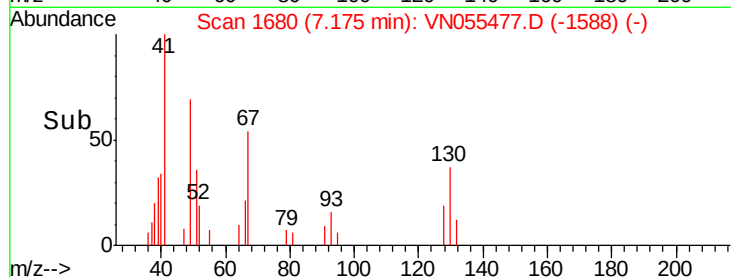
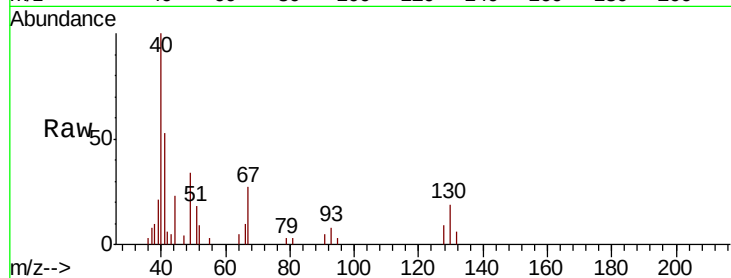




#41
Methacrylonitrile
Concen: 1.224 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. -0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

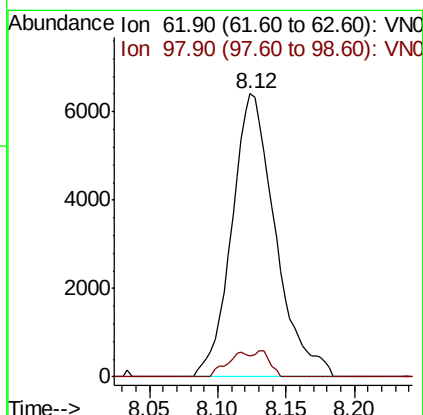
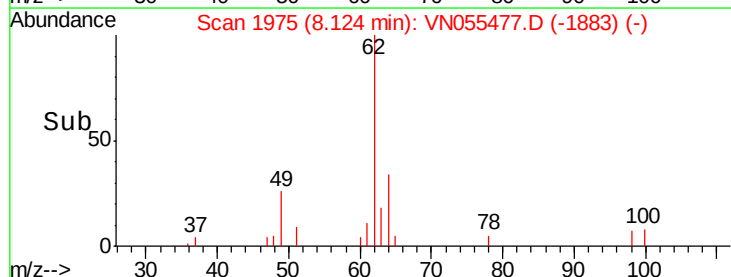
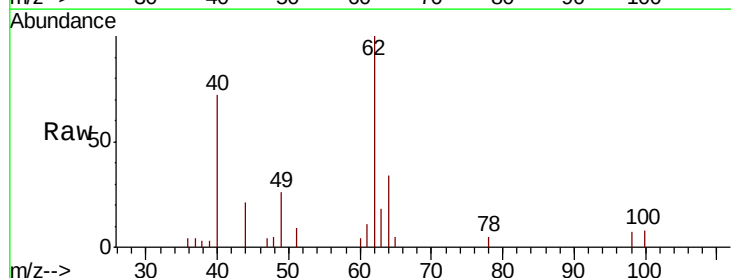
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

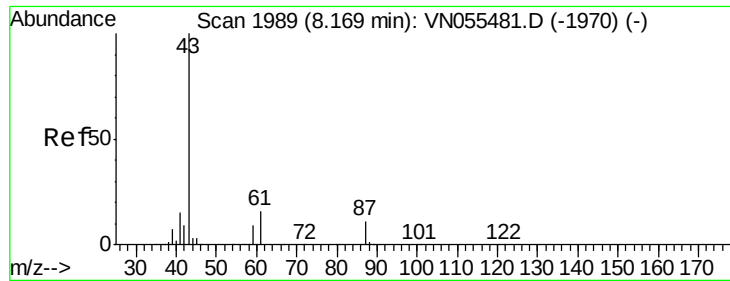
Tot Ion: 41 Resp: 6249
Ion Ratio Lower Upper
41 100
39 41.8 44.7 67.1#
67 0.0 61.4 92.0#
52 16.1 25.0 37.4#



#42
1,2-Dichloroethane
Concen: 1.137 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. -0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 62 Resp: 14208
Ion Ratio Lower Upper
62 100
98 4.7 0.0 17.4





#43

Isopropyl Acetate

Concen: 1.167 ug/l

RT: 8.17 min Scan# 1989

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

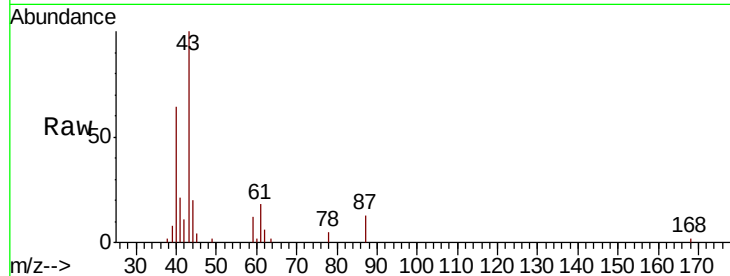
Tot Ion: 43 Resp: 18227

Ion Ratio Lower Upper

43 100

61 4.3 15.1 22.7#

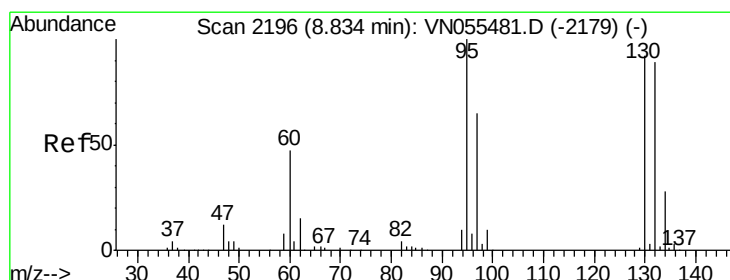
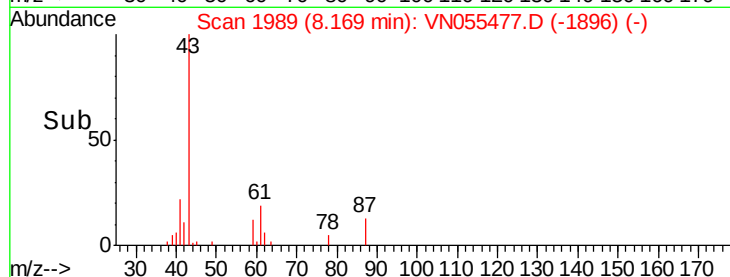
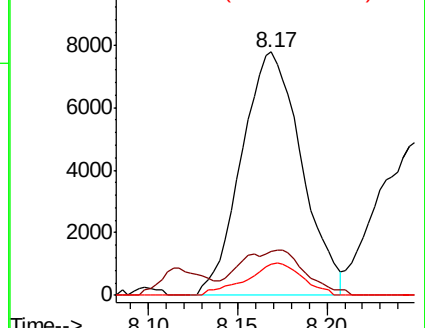
87 12.4 9.0 13.6



Abundance Ion 43.00 (42.70 to 43.70): VN055481.D (-1970) (-)

Ion 61.00 (60.70 to 61.70): VN055481.D (-1970) (-)

Ion 87.00 (86.70 to 87.70): VN055481.D (-1970) (-)



#44

Trichloroethene

Concen: 1.055 ug/l

RT: 8.83 min Scan# 2195

Delta R.T. -0.00 min

Lab File: VN055477.D

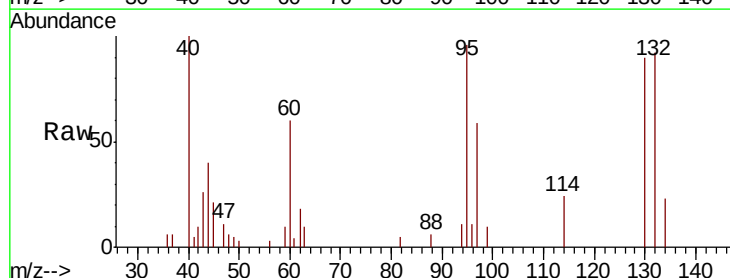
Acq: 8 May 2019 16:07

Tgt Ion: 130 Resp: 9417

Ion Ratio Lower Upper

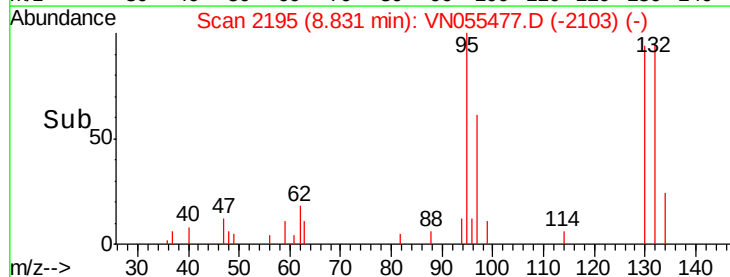
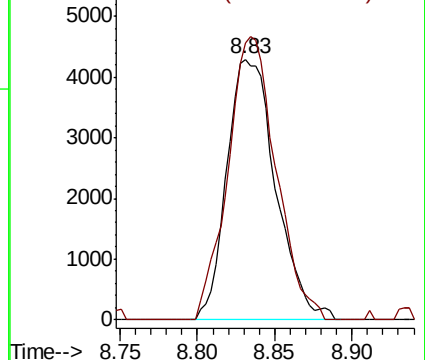
130 100

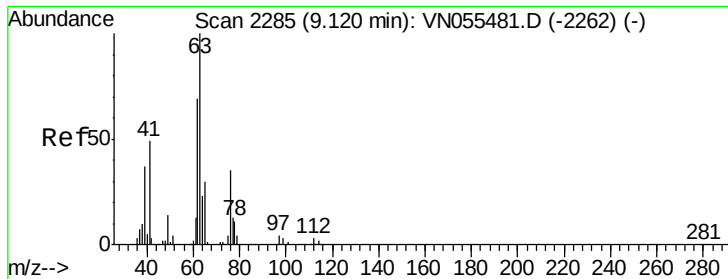
95 106.3 0.0 216.8



Abundance Ion 129.80 (129.50 to 130.50): VN055481.D (-2179) (-)

Ion 94.90 (94.60 to 95.60): VN055481.D (-2179) (-)





#45

1,2-Dichloropropane

Concen: 1.095 ug/l

RT: 9.12 min Scan# 2286

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

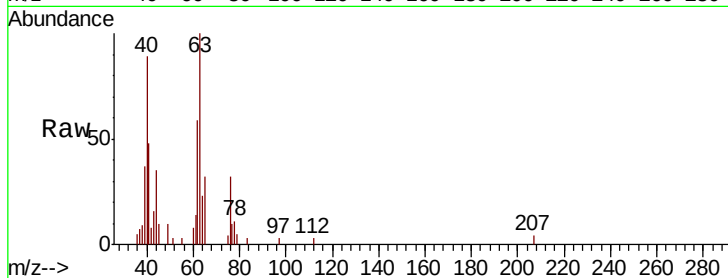
VSTDIC001

Tot Ion: 63 Resp: 11152

Ion Ratio Lower Upper

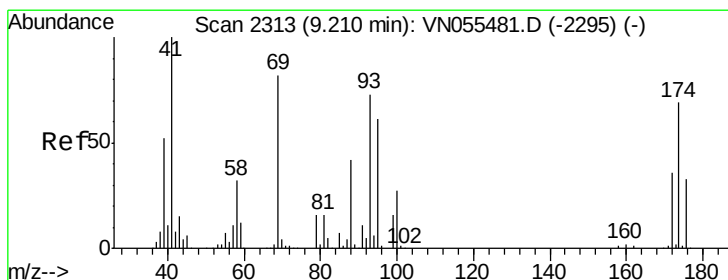
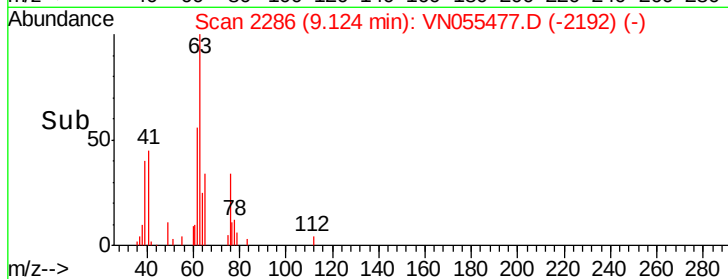
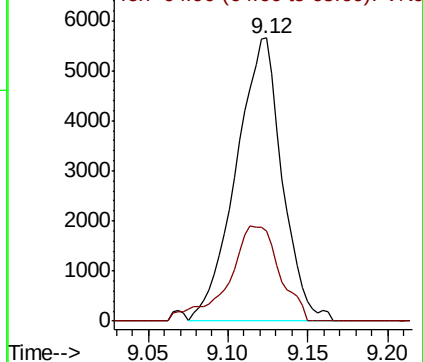
63 100

65 31.7 24.1 36.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 64.90 (64.60 to 65.60): VN0



#46

Dibromomethane

Concen: 1.114 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. -0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

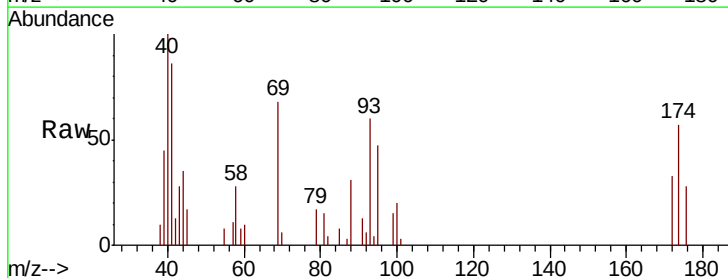
Tgt Ion: 93 Resp: 6274

Ion Ratio Lower Upper

93 100

95 80.3 64.8 97.2

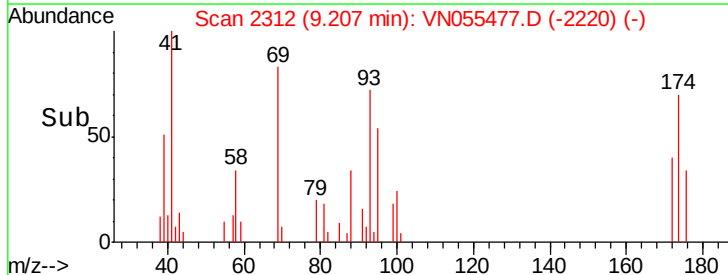
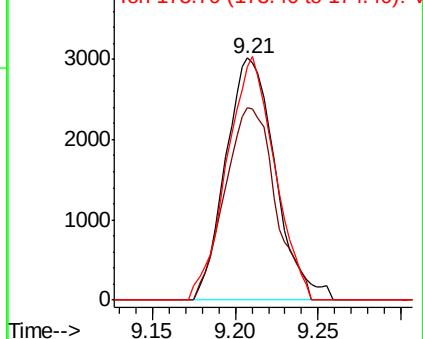
174 96.6 75.0 112.6

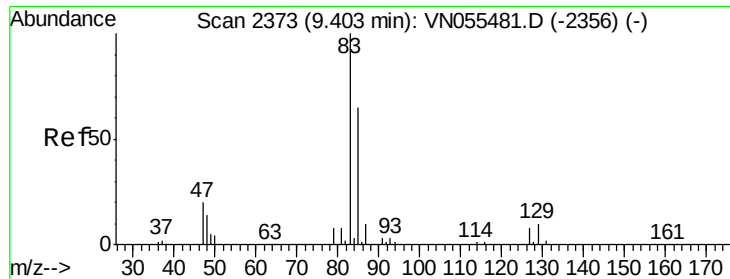


Abundance Ion 92.80 (92.50 to 93.50): VN0

Ion 94.80 (94.50 to 95.50): VN0

Ion 173.70 (173.40 to 174.40): V





#47

Bromodichloromethane

Concen: 1.040 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

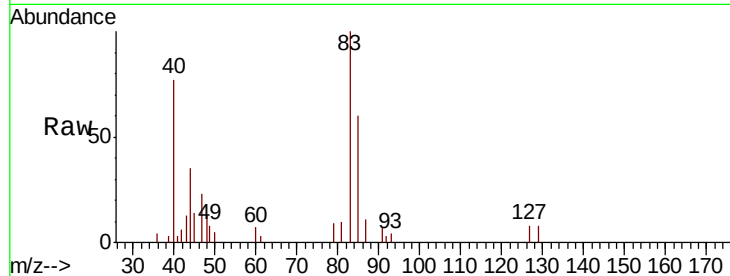
Tot Ion: 83 Resp: 12328

Ion Ratio Lower Upper

83 100

85 59.9 52.2 78.2

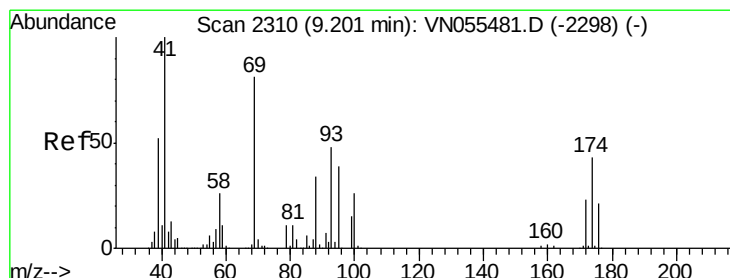
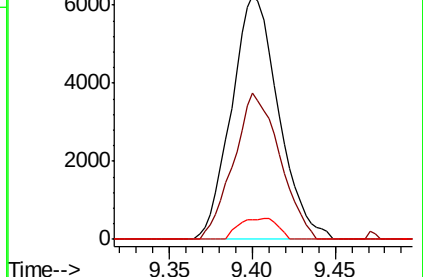
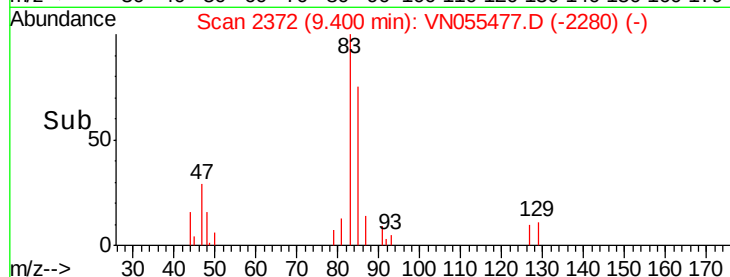
127 8.3 6.5 9.7



Abundance Ion 82.90 (82.60 to 83.60): VN055477.D (-2280) (-)

Ion 84.90 (84.60 to 85.60): VN055477.D (-2280) (-)

Ion 126.80 (126.50 to 127.50): VN055477.D (-2280) (-)



#48

Methyl methacrylate

Concen: 1.164 ug/l

RT: 9.20 min Scan# 2310

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

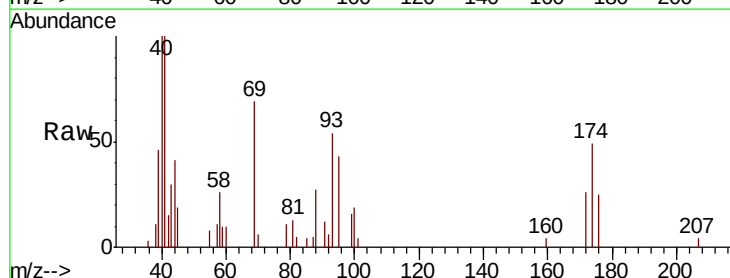
Tgt Ion: 41 Resp: 8887

Ion Ratio Lower Upper

41 100

69 78.1 64.2 96.2

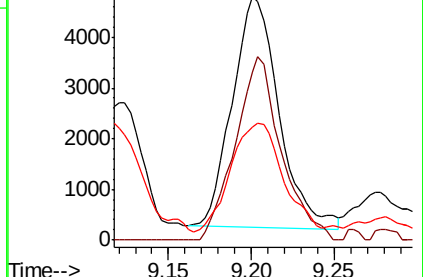
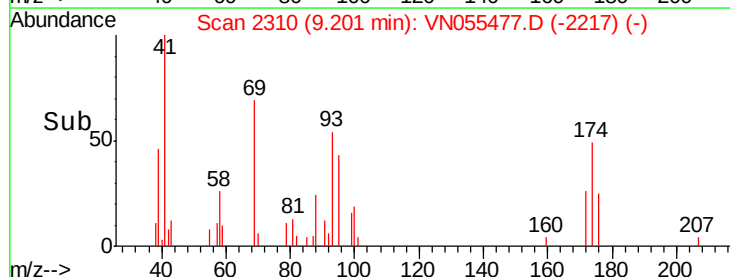
39 61.1 41.6 62.4

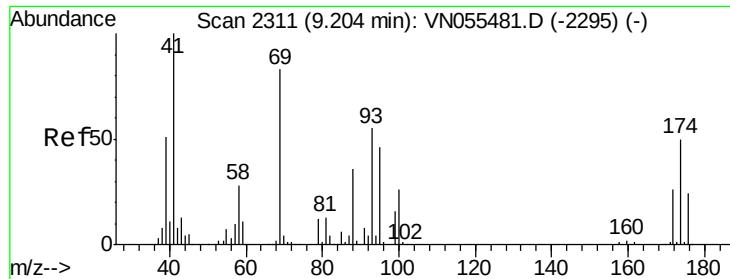


Abundance Ion 41.00 (40.70 to 41.70): VN055477.D (-2217) (-)

Ion 69.00 (68.70 to 69.70): VN055477.D (-2217) (-)

Ion 39.00 (38.70 to 39.70): VN055477.D (-2217) (-)

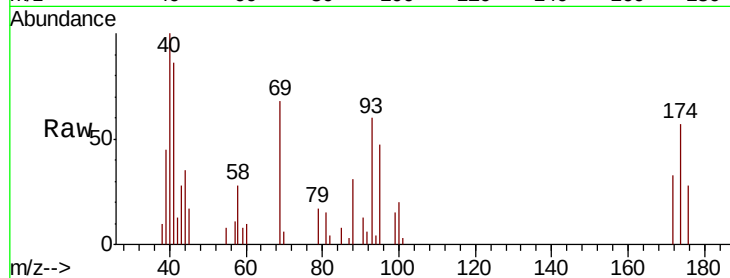




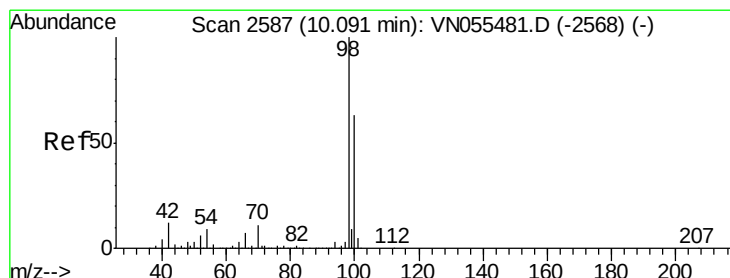
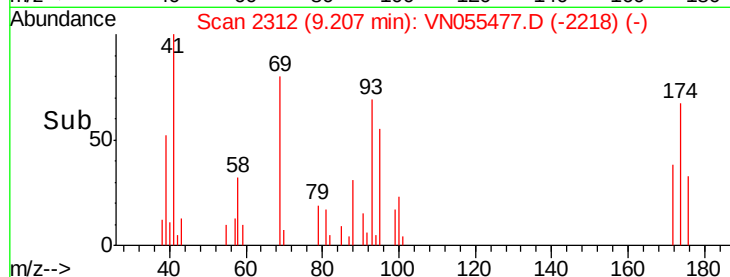
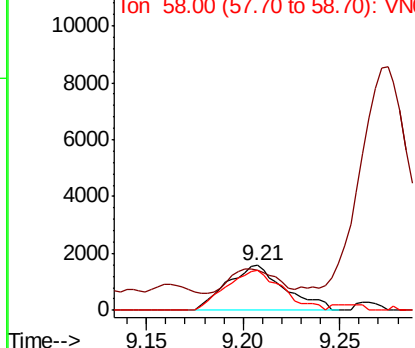
#49
 1,4-Dioxane
 Concen: 34.873 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

Tot Ion: 88 Resp: 3307
 Ion Ratio Lower Upper
 88 100
 43 43.5 27.8 41.8#
 58 85.4 61.8 92.6

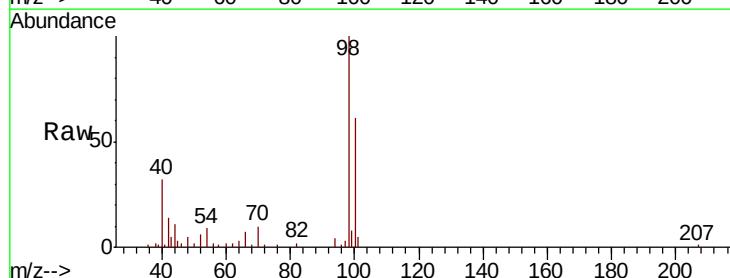


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

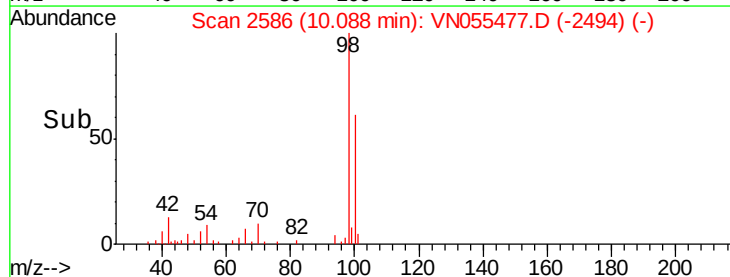
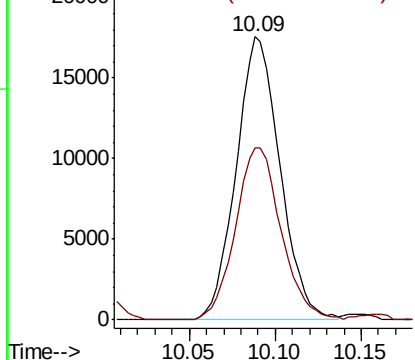


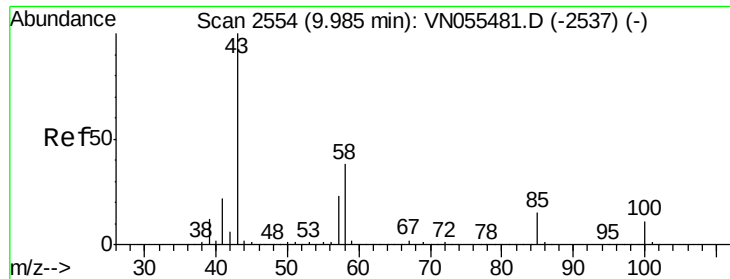
#50
 Toluene-d8
 Concen: 1.046 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 98 Resp: 31132
 Ion Ratio Lower Upper
 98 100
 100 63.4 50.4 75.6



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





#51

4-Methyl-2-Pentanone

Concen: 6.613 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

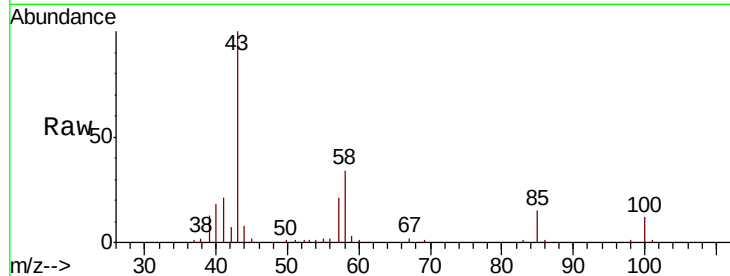
VSTDIC001

Tot Ion: 43 Resp: 60280

Ion Ratio Lower Upper

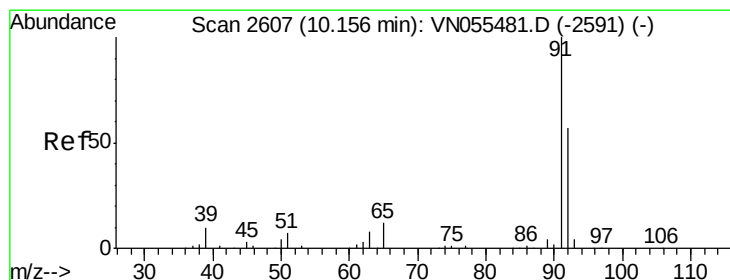
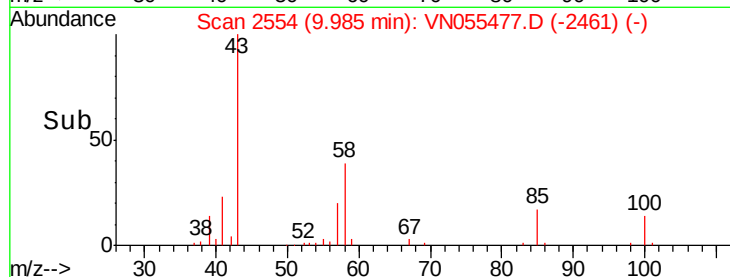
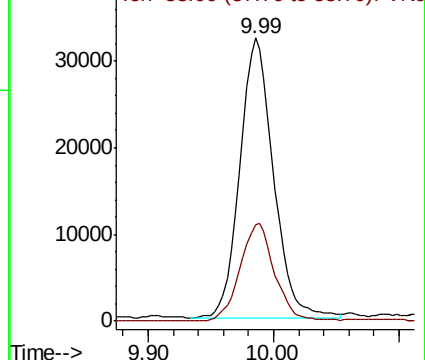
43 100

58 35.9 29.9 44.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 0.998 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. 0.00 min

Lab File: VN055477.D

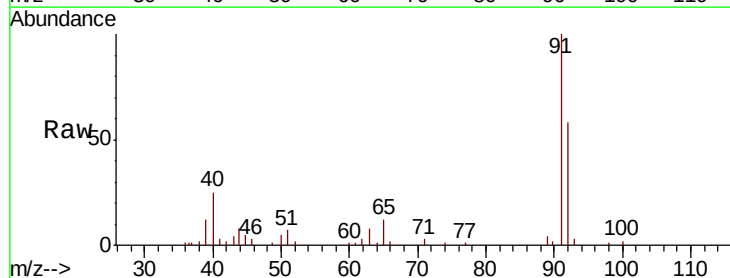
Acq: 8 May 2019 16:07

Tgt Ion: 92 Resp: 20310

Ion Ratio Lower Upper

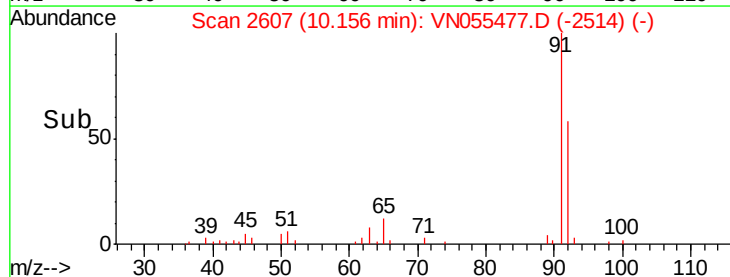
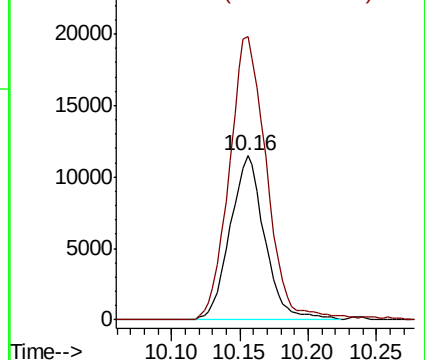
92 100

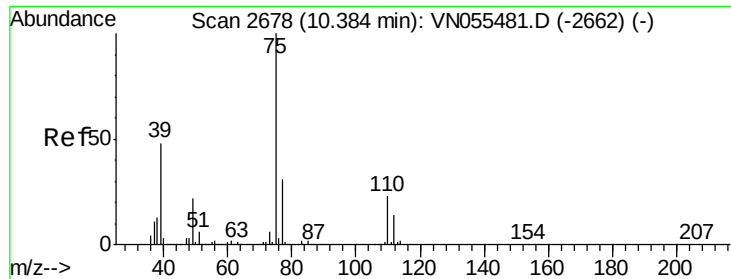
91 184.9 140.5 210.7



Abundance Ion 92.00 (91.70 to 92.70): VN0

Ion 91.00 (90.70 to 91.70): VN0





#53

t-1,3-Dichloropropene

Concen: 1.043 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. -0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

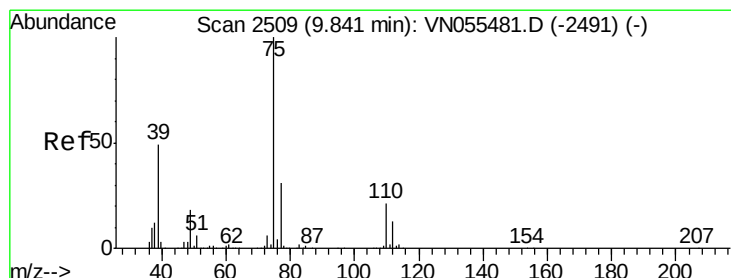
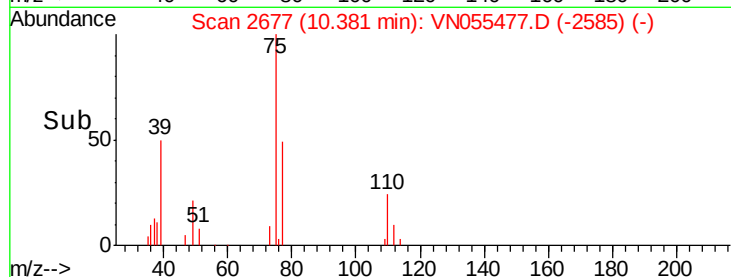
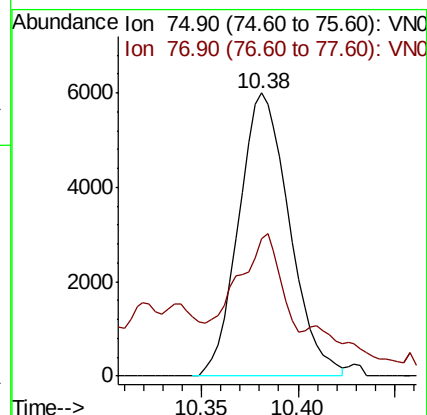
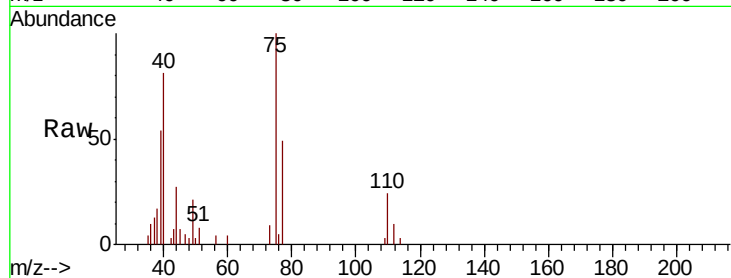
VSTDIC001

Tot Ion: 75 Resp: 10913

Ion Ratio Lower Upper

75 100

77 37.1 25.1 37.7



#54

cis-1,3-Dichloropropene

Concen: 0.951 ug/l

RT: 9.84 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

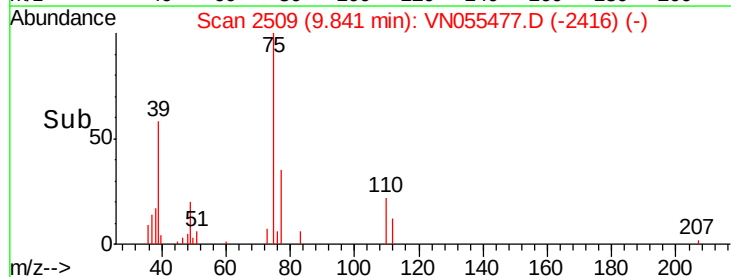
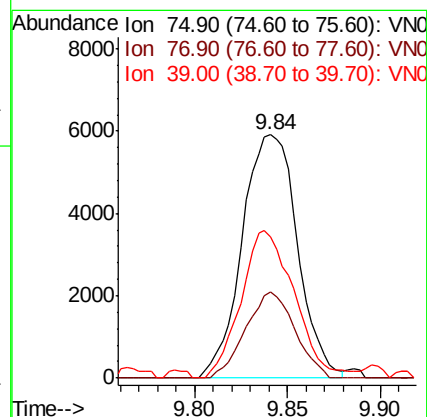
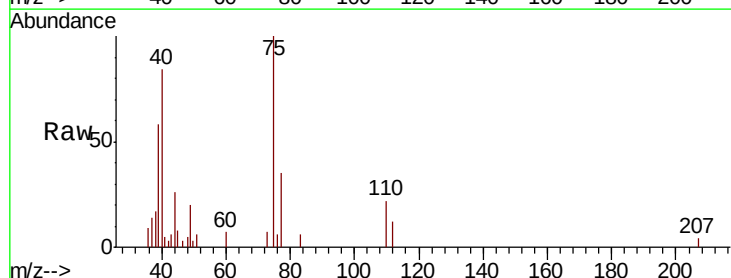
Tgt Ion: 75 Resp: 12308

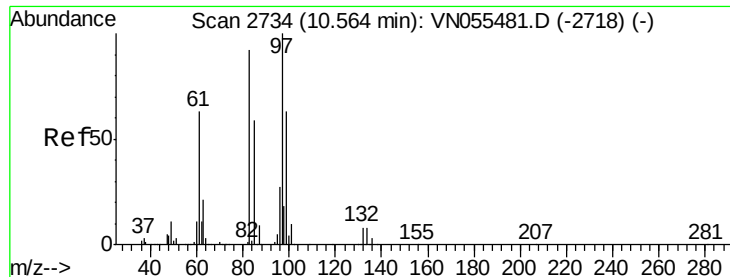
Ion Ratio Lower Upper

75 100

77 35.2 24.4 36.6

39 58.0 39.5 59.3

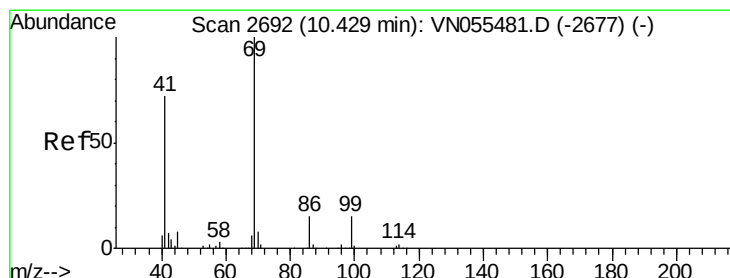
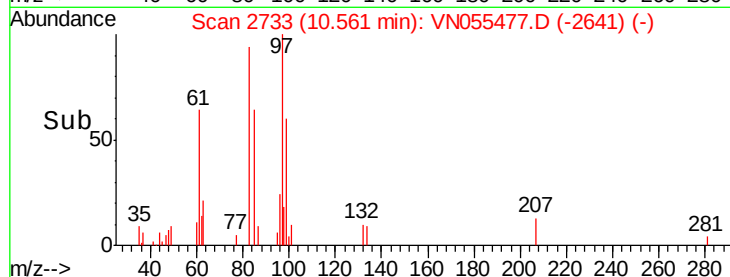
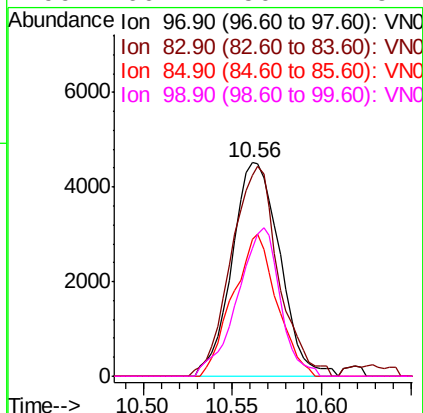
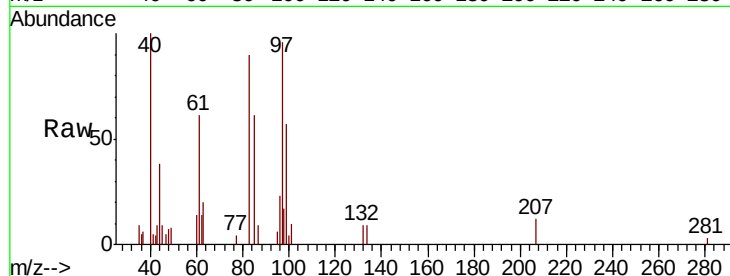




#55
 1,1,2-Trichloroethane
 Concen: 1.105 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. -0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

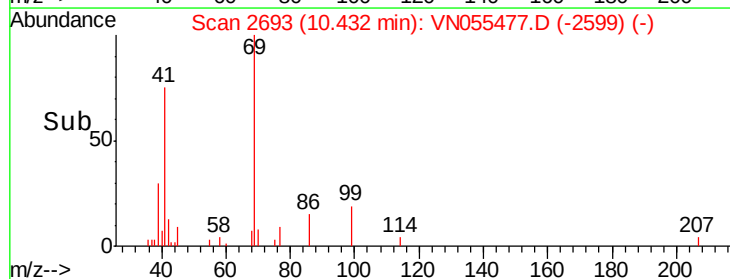
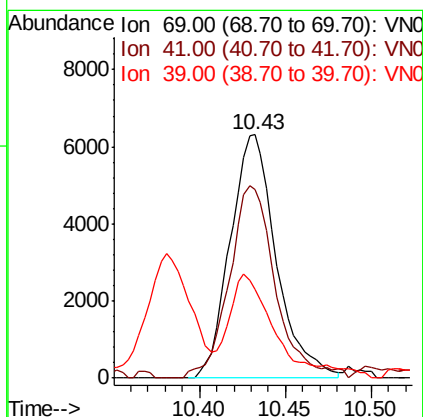
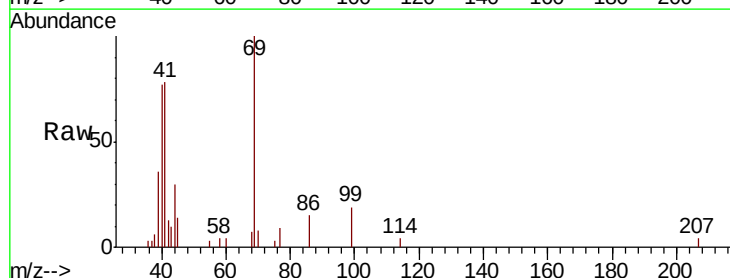
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

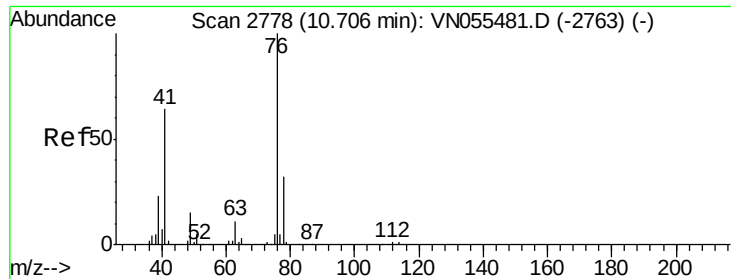
Tot Ion: 97 Resp: 8453
 Ion Ratio Lower Upper
 97 100
 83 94.4 73.2 109.8
 85 63.9 47.5 71.3
 99 60.1 50.2 75.2



#56
 Ethyl methacrylate
 Concen: 1.199 ug/l
 RT: 10.43 min Scan# 2693
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 69 Resp: 11731
 Ion Ratio Lower Upper
 69 100
 41 79.2 56.2 84.2
 39 44.0 27.8 41.6#

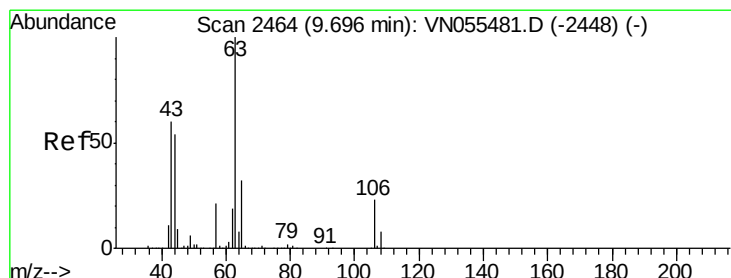
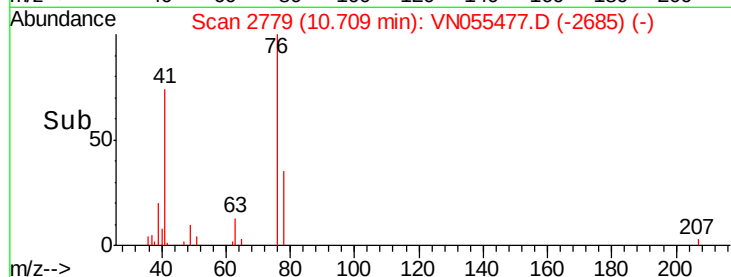
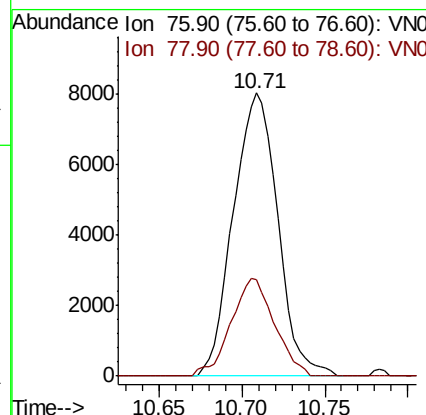
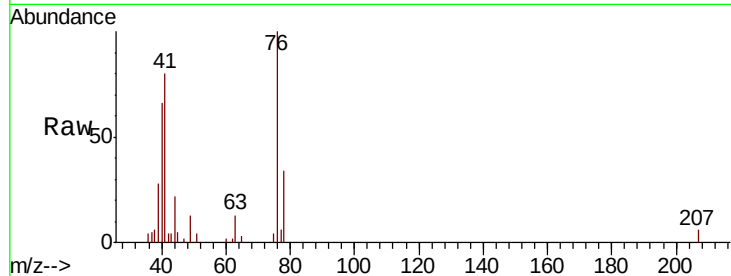




#57
 1,3-Dichloropropane
 Concen: 1.109 ug/l
 RT: 10.71 min Scan# 2779
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

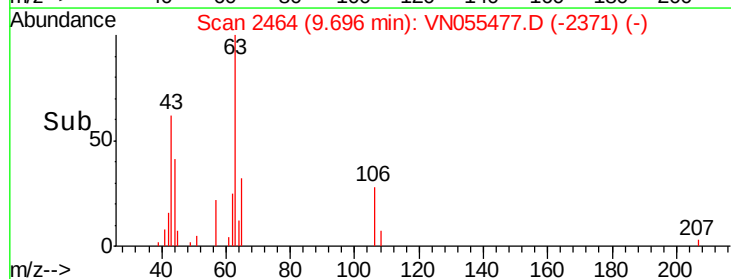
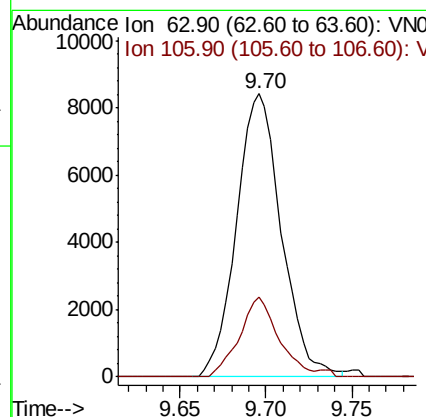
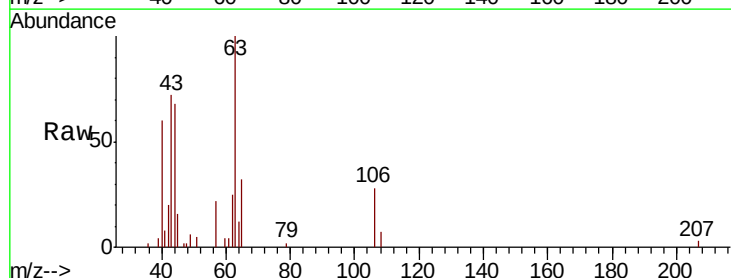
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

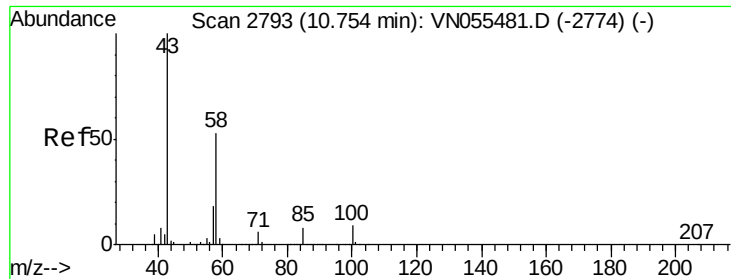
Tot Ion: 76 Resp: 14939
 Ion Ratio Lower Upper
 76 100
 78 33.7 25.8 38.6



#58
 2-Chloroethyl Vinyl ether
 Concen: 5.760 ug/l
 RT: 9.70 min Scan# 2464
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 63 Resp: 15295
 Ion Ratio Lower Upper
 63 100
 106 24.6 18.6 27.8

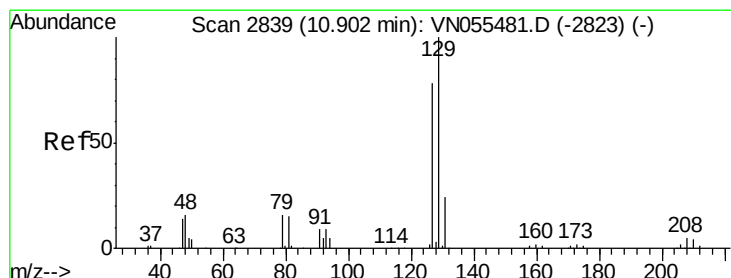
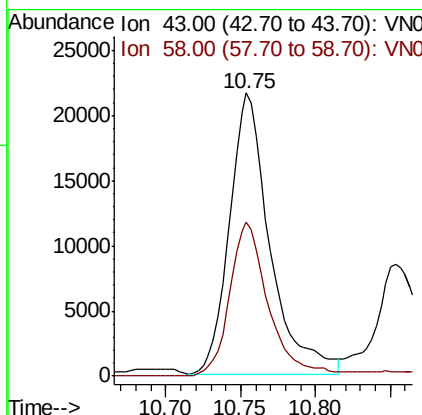
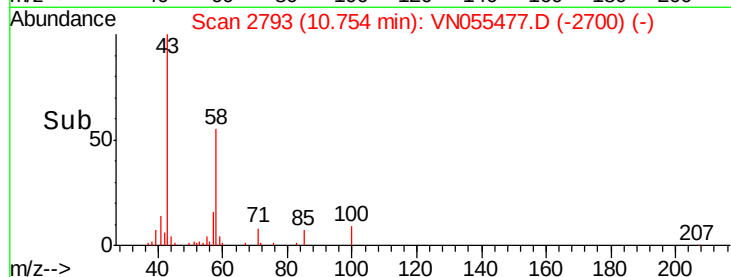
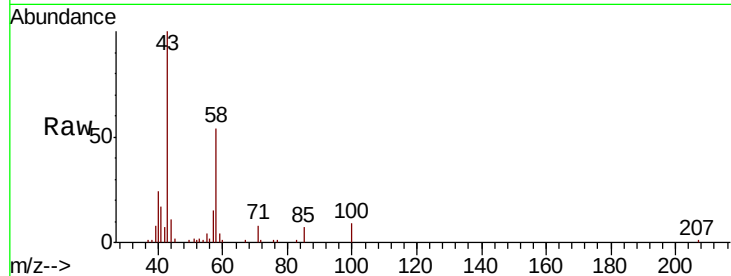




#59
2-Hexanone
Concen: 6.890 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

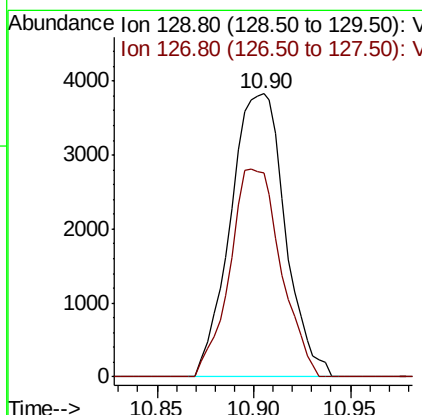
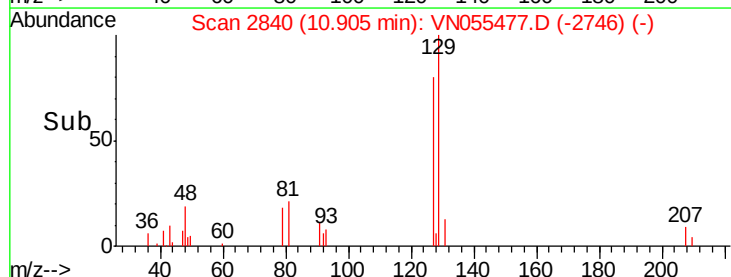
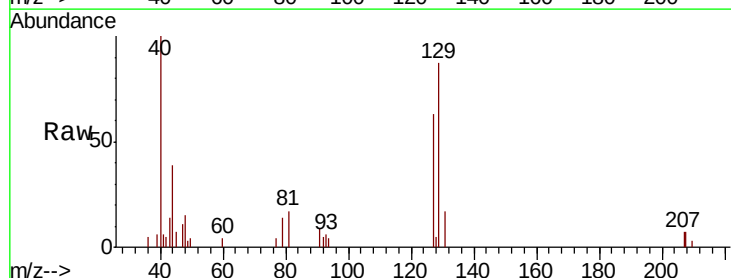
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

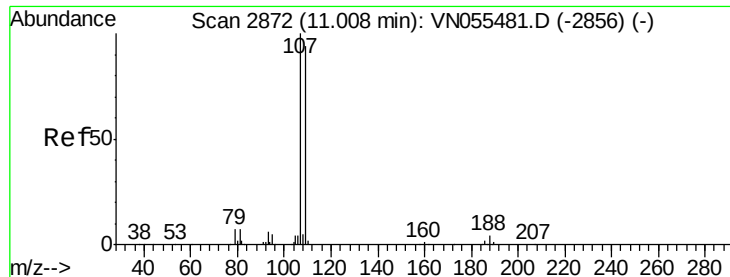
Tot Ion: 43 Resp: 40489
Ion Ratio Lower Upper
43 100
58 52.4 26.4 79.0



#60
Dibromochloromethane
Concen: 0.982 ug/l
RT: 10.90 min Scan# 2840
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 129 Resp: 7508
Ion Ratio Lower Upper
129 100
127 68.6 38.6 116.0

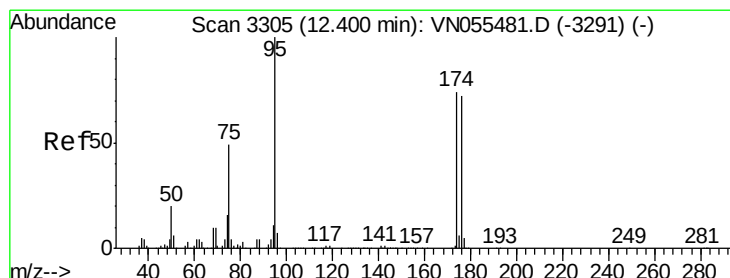
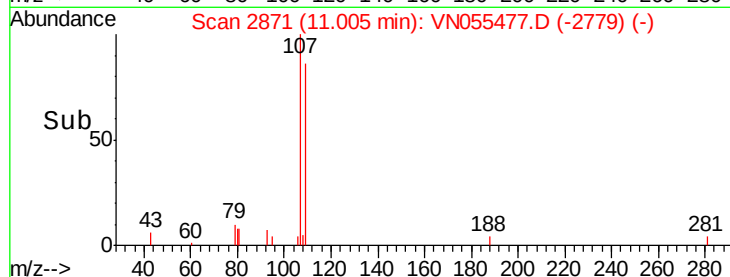
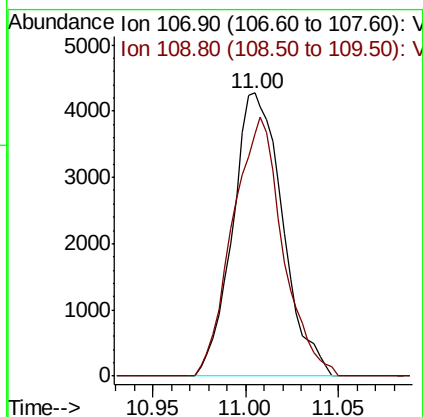
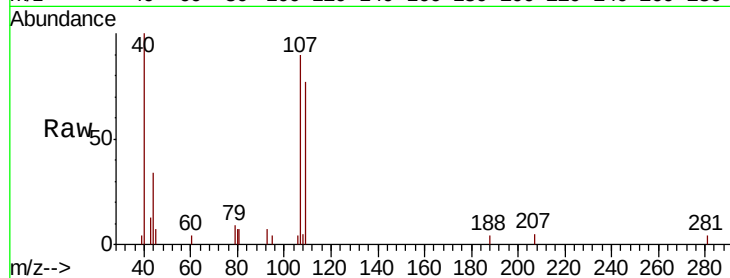




#61
 1,2-Dibromoethane
 Concen: 1.119 ug/l
 RT: 11.00 min Scan# 2871
 Delta R.T. -0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

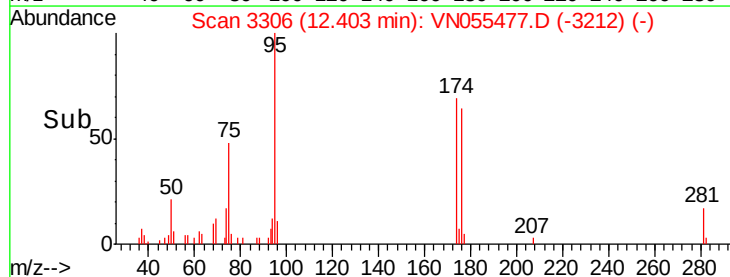
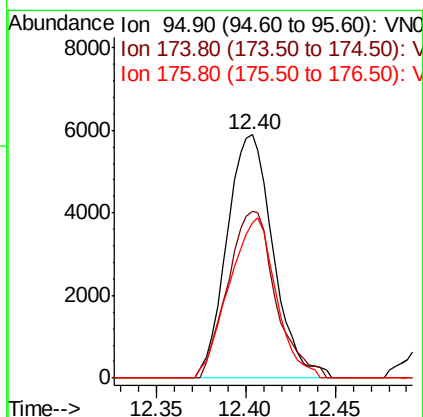
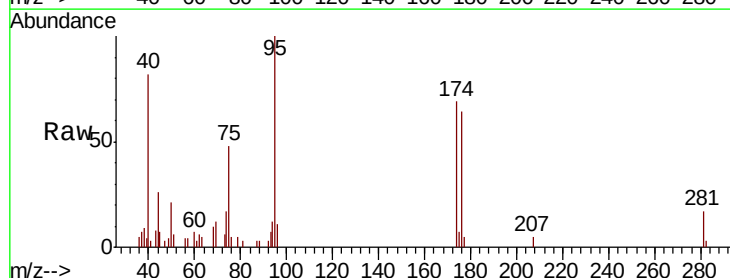
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

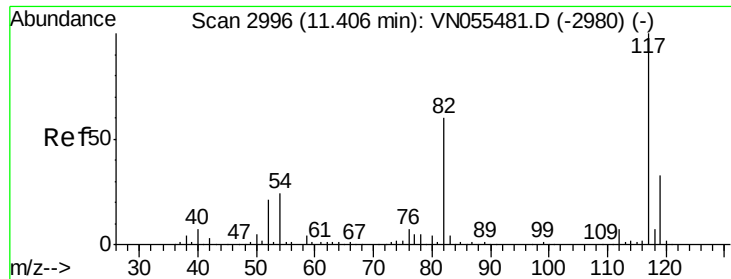
Tot Ion:107 Resp: 7988
 Ion Ratio Lower Upper
 107 100
 109 91.9 74.2 111.4



#62
 4-Bromofluorobenzene
 Concen: 1.130 ug/l
 RT: 12.40 min Scan# 3306
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 95 Resp: 10616
 Ion Ratio Lower Upper
 95 100
 174 70.6 0.0 152.2
 176 66.8 0.0 147.8

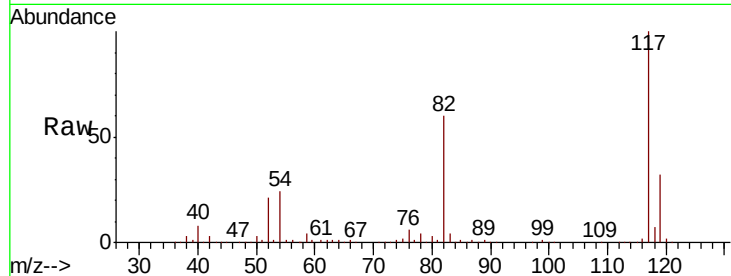




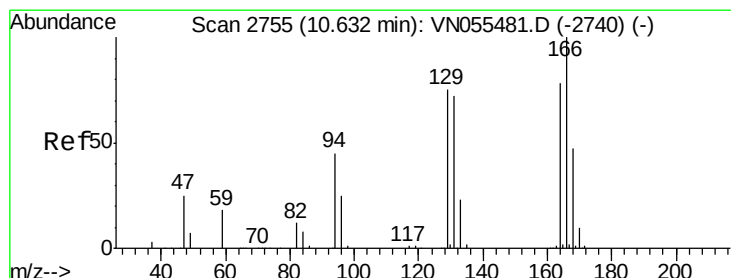
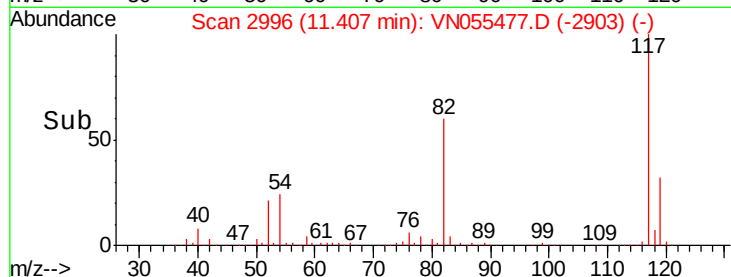
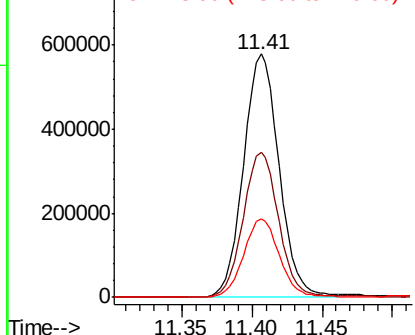
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

Tot Ion:117 Resp: 1026242
Ion Ratio Lower Upper
117 100
82 59.6 48.0 72.0
119 32.3 26.0 39.0

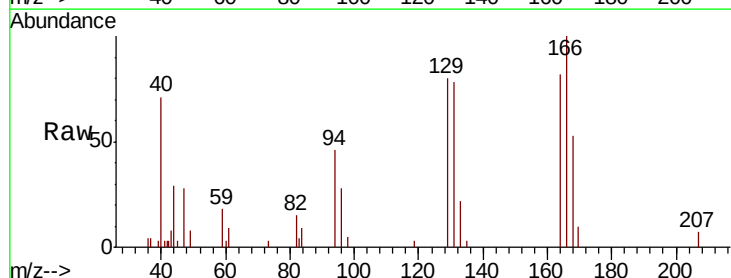


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

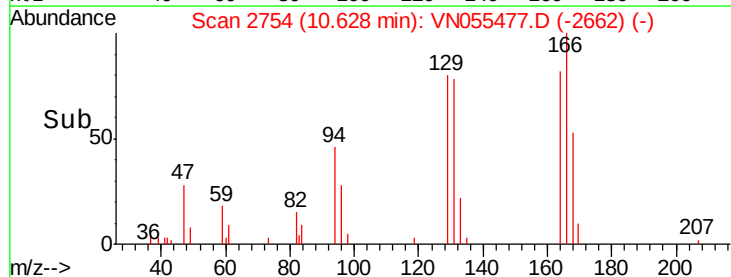
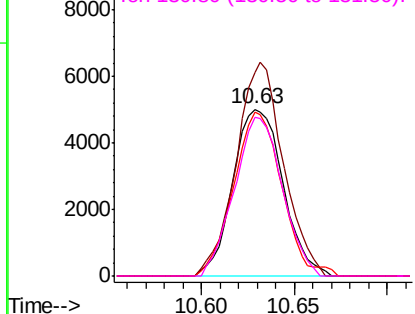


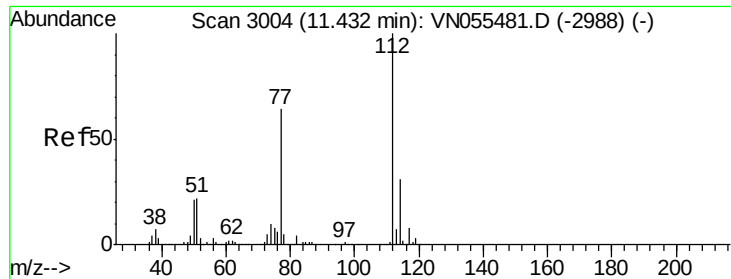
#64
Tetrachloroethene
Concen: 1.118 ug/l
RT: 10.63 min Scan# 2754
Delta R.T. -0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion:164 Resp: 9436
Ion Ratio Lower Upper
164 100
166 122.5 102.6 153.8
129 98.4 77.0 115.6
131 95.3 73.7 110.5



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

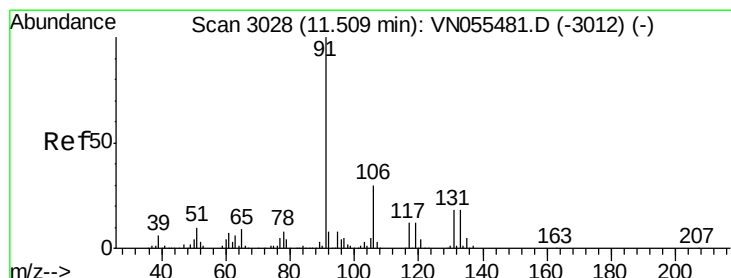
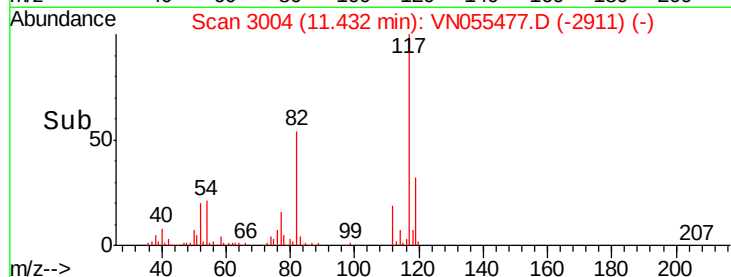
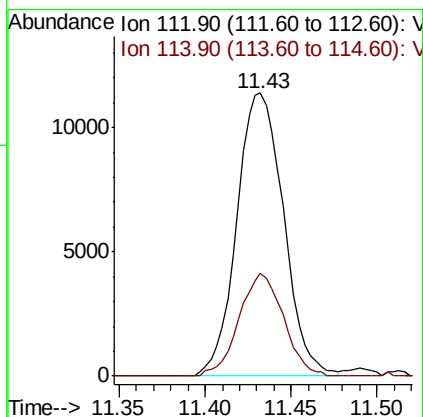
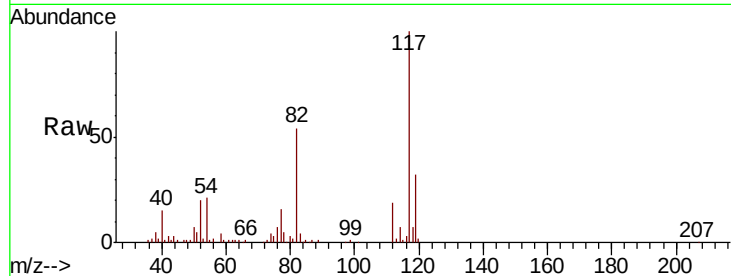




#65
Chlorobenzene
Concen: 1.060 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

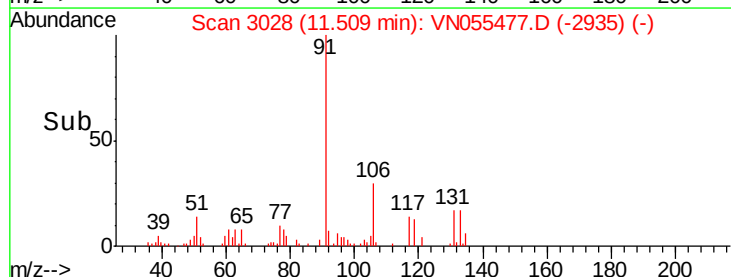
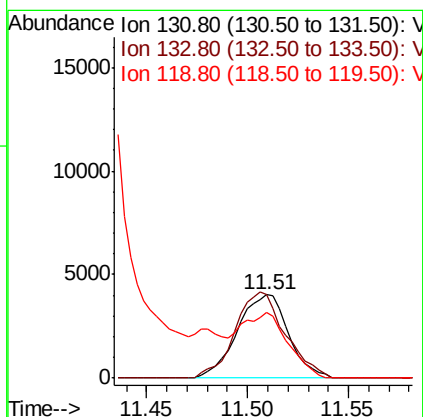
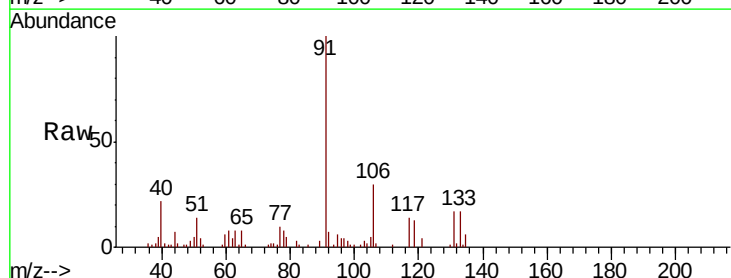
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

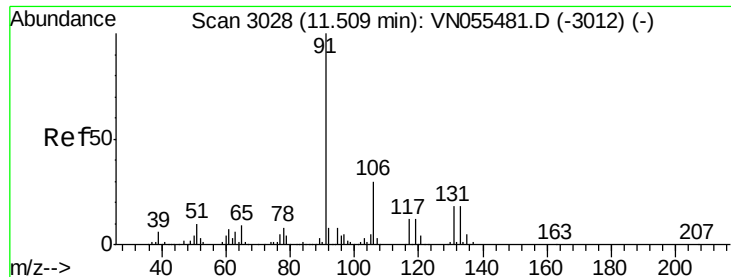
Tot Ion:112 Resp: 21542
Ion Ratio Lower Upper
112 100
114 36.3 25.0 37.4



#66
1,1,1,2-Tetrachloroethane
Concen: 0.914 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion:131 Resp: 7139
Ion Ratio Lower Upper
131 100
133 102.0 47.4 142.2
119 0.0 34.1 102.2#

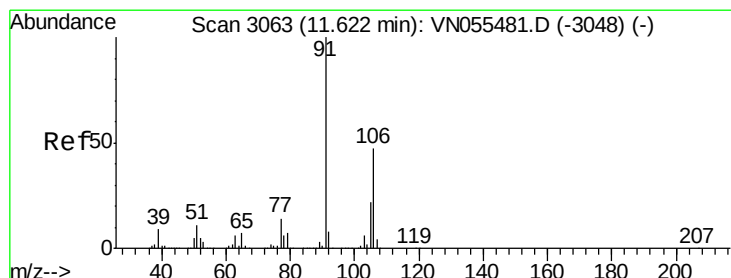
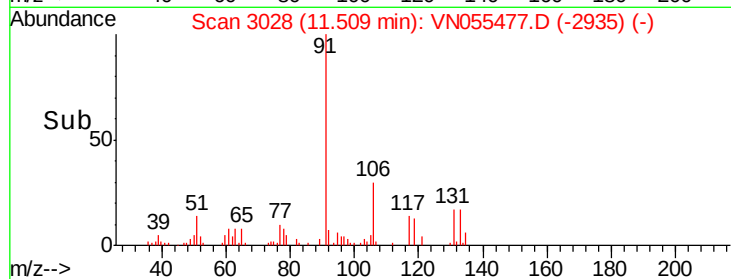
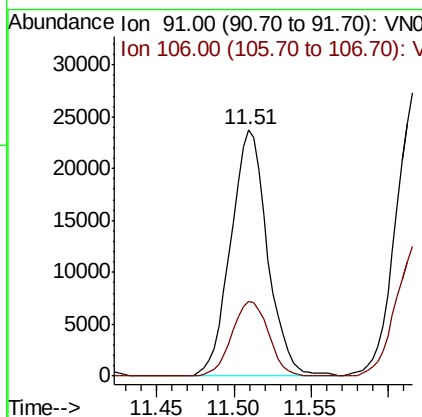
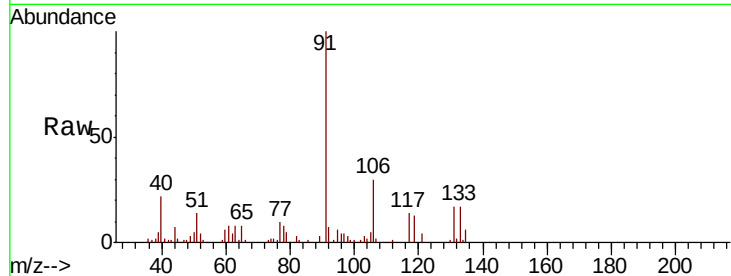




#67
Ethyl Benzene
Concen: 1.060 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

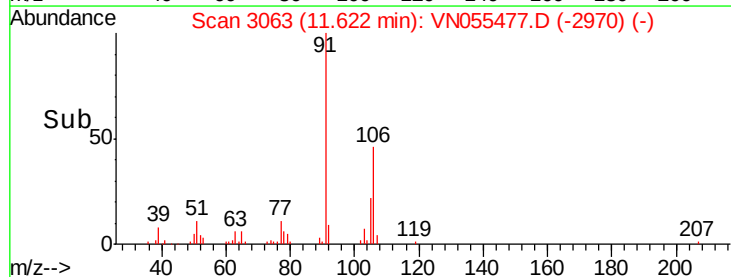
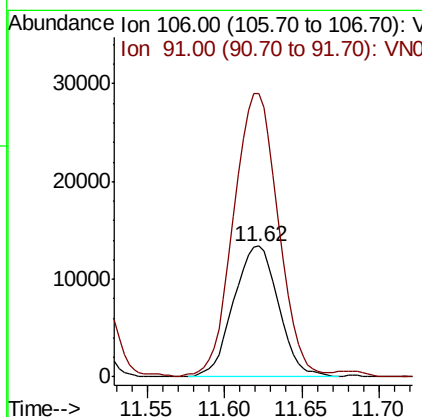
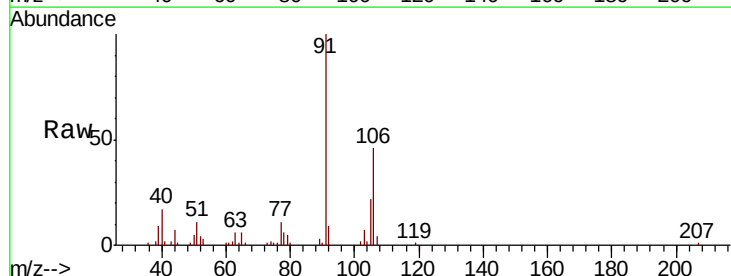
Instrument :
MSVOA_N
ClientSampled :
VSTDIC001

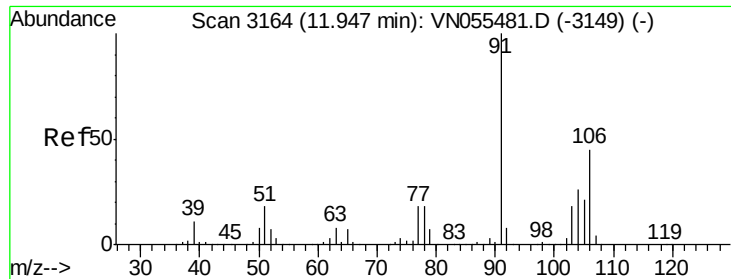
Tot Ion: 91 Resp: 39093
Ion Ratio Lower Upper
91 100
106 30.4 23.8 35.6



#68
m/p-Xylenes
Concen: 2.049 ug/l
RT: 11.62 min Scan# 3063
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion: 106 Resp: 27026
Ion Ratio Lower Upper
106 100
91 215.8 169.2 253.8

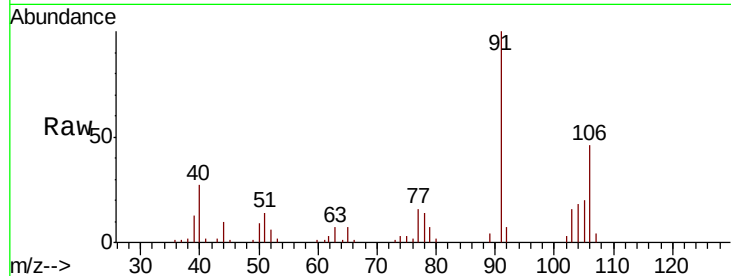




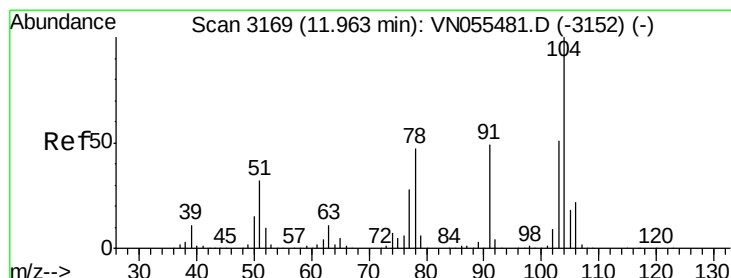
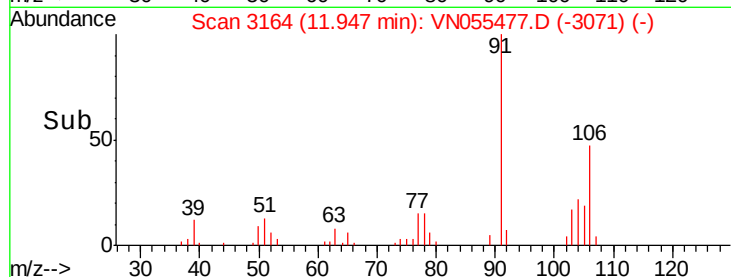
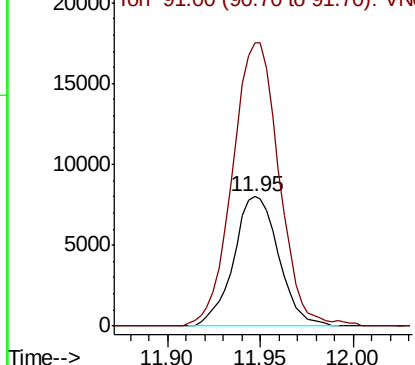
#69
o-Xylene
Concen: 1.031 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

Tot Ion:106 Resp: 13488
Ion Ratio Lower Upper
106 100
91 226.9 111.3 333.8

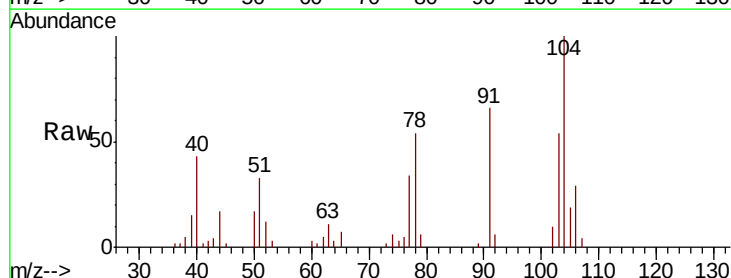


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

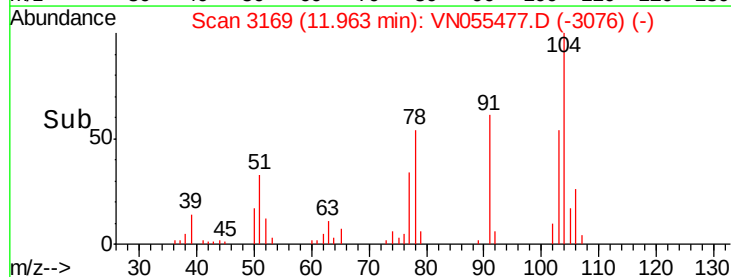
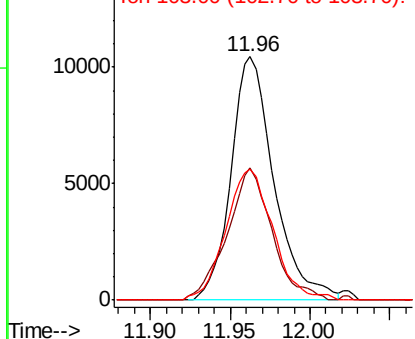


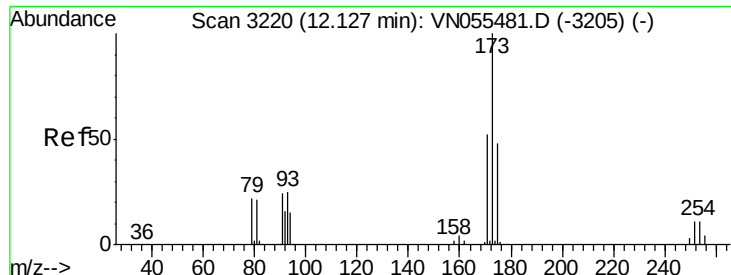
#70
Styrene
Concen: 0.949 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion:104 Resp: 19151
Ion Ratio Lower Upper
104 100
78 56.4 41.6 62.4
103 58.9 44.4 66.6



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN
Ion 103.00 (102.70 to 103.70): V

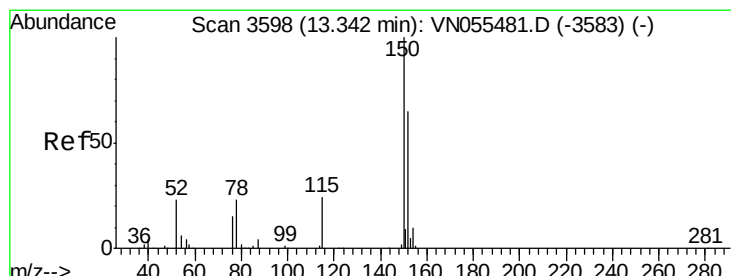
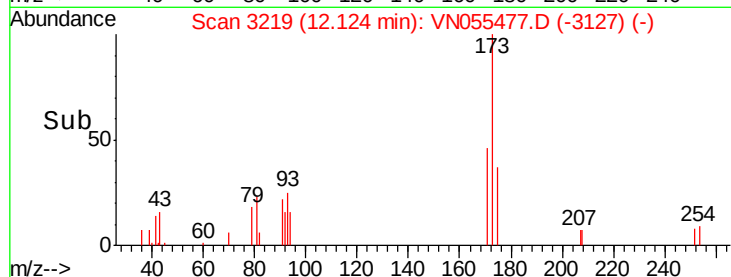
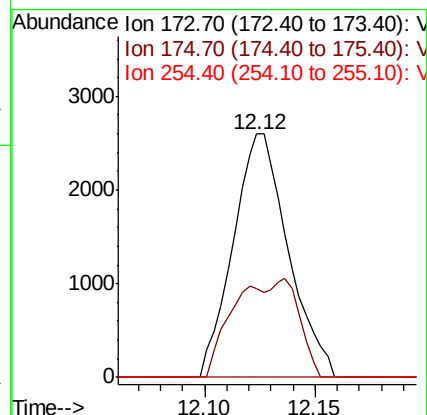
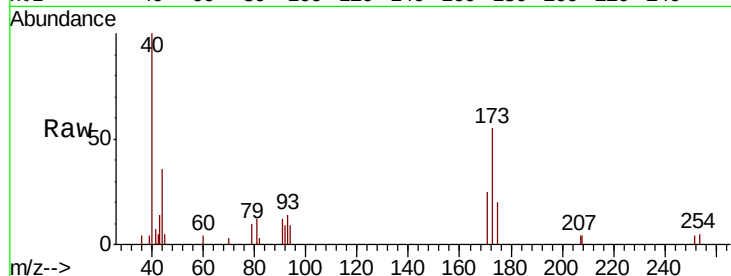




#71
Bromoform
Concen: 1.010 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

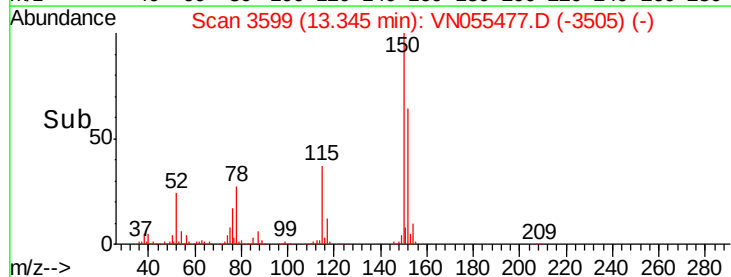
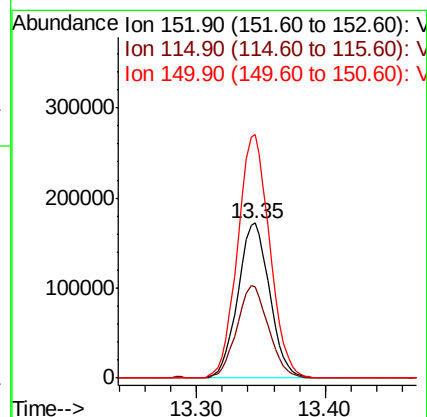
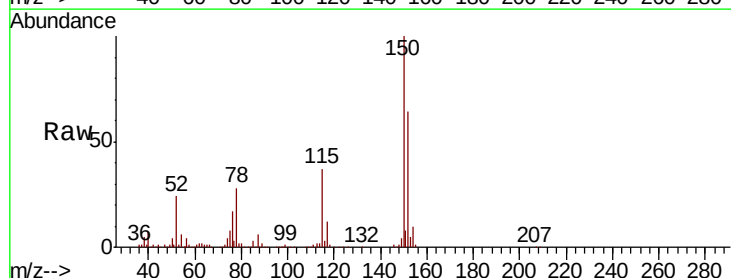
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC001

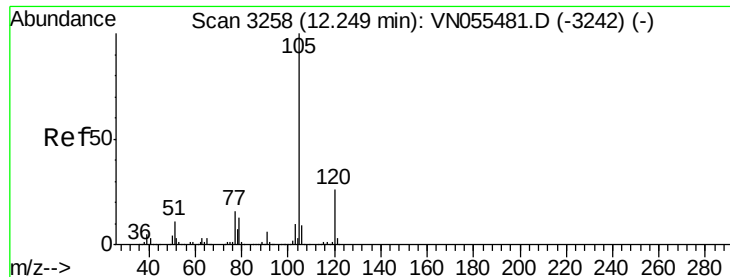
Tot Ion:173 Resp: 4505
Ion Ratio Lower Upper
173 100
175 25.6 24.1 72.4
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN055477.D
Acq: 8 May 2019 16:07

Tgt Ion:152 Resp: 295658
Ion Ratio Lower Upper
152 100
115 59.5 30.1 90.5
150 157.5 0.0 355.0





#73

Isopropylbenzene

Concen: 1.221 ug/l

RT: 12.25 min Scan# 3258

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

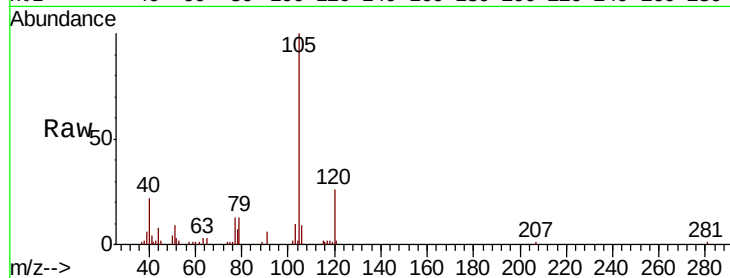
VSTDIC001

Tot Ion:105 Resp: 36258

Ion Ratio Lower Upper

105 100

120 24.4 13.0 39.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

25000

20000

15000

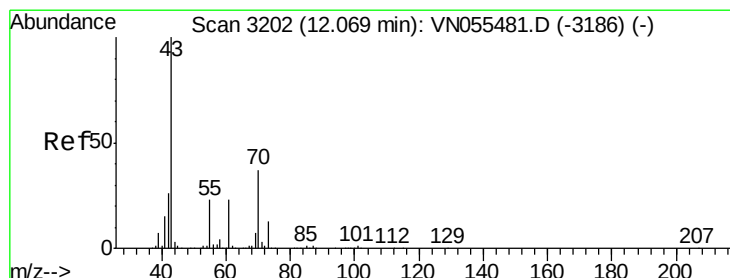
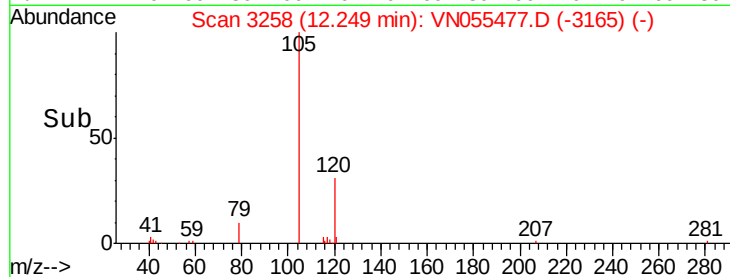
10000

5000

0

12.20 12.25 12.30

Time-->



#74

N-ethyl acetate

Concen: 1.425 ug/l

RT: 12.07 min Scan# 3203

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Tgt Ion: 43 Resp: 11672

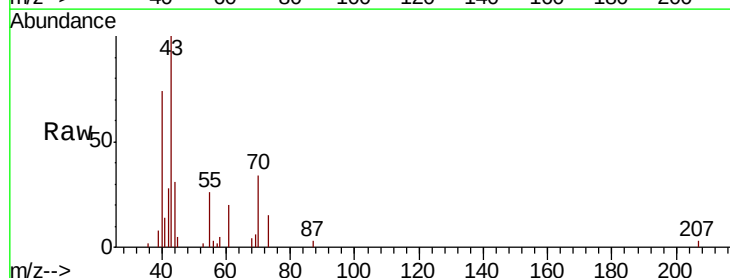
Ion Ratio Lower Upper

43 100

70 31.4 30.7 46.1

55 27.1 19.3 28.9

61 21.5 18.6 27.8



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

10000

8000

6000

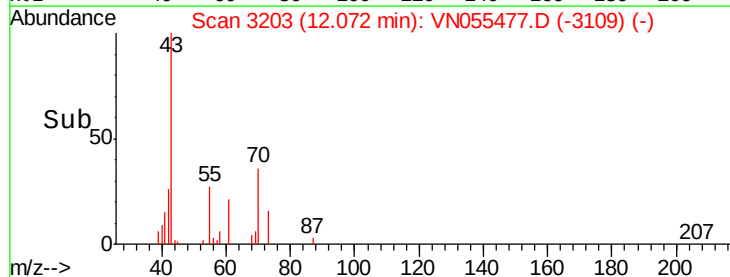
4000

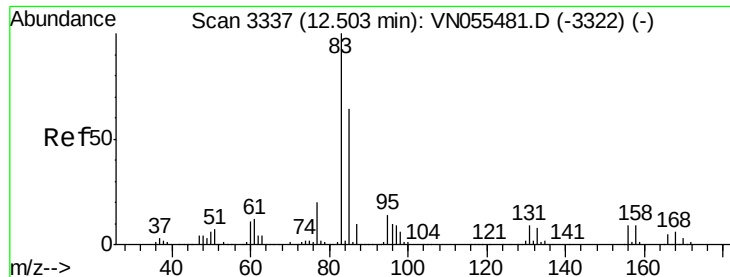
2000

0

12.00 12.05 12.10

Time-->





#75

1,1,2,2-Tetrachloroethane

Concen: 1.519 ug/l

RT: 12.51 min Scan# 3338

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

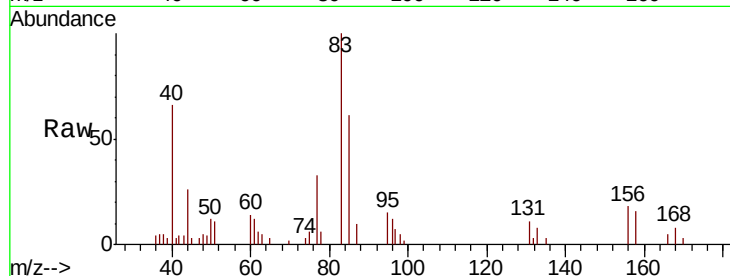
Tot Ion: 83 Resp: 11938

Ion Ratio Lower Upper

83 100

131 9.7 4.5 13.5

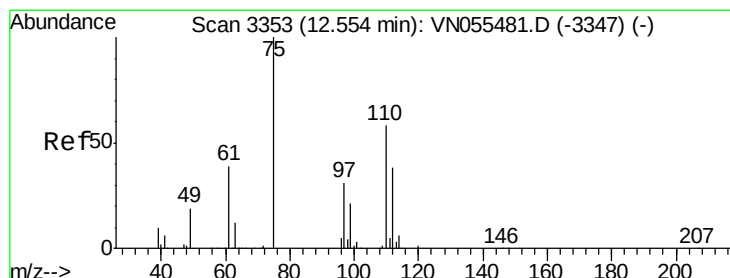
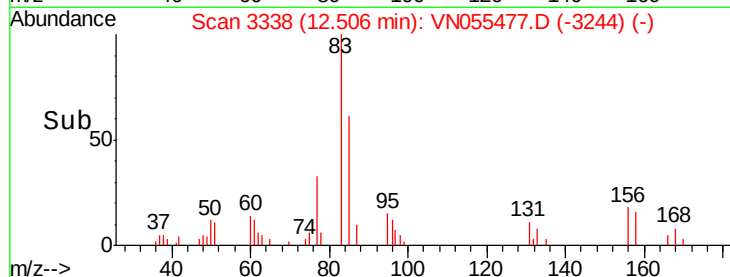
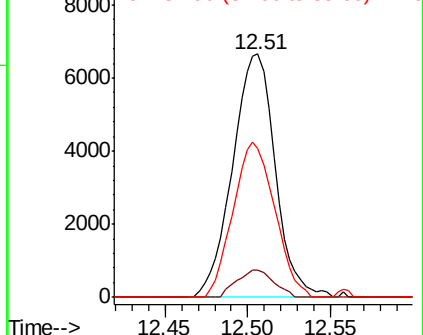
85 61.9 32.0 96.0



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 1.904 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055477.D

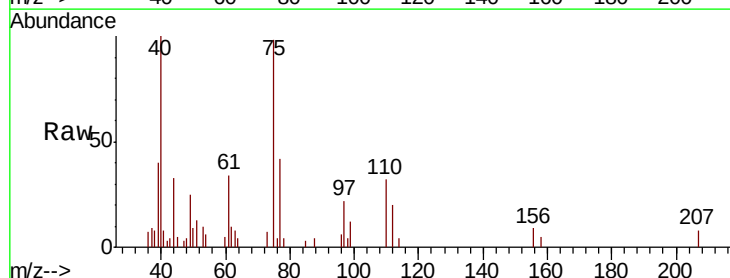
Acq: 8 May 2019 16:07

Tgt Ion: 75 Resp: 13442

Ion Ratio Lower Upper

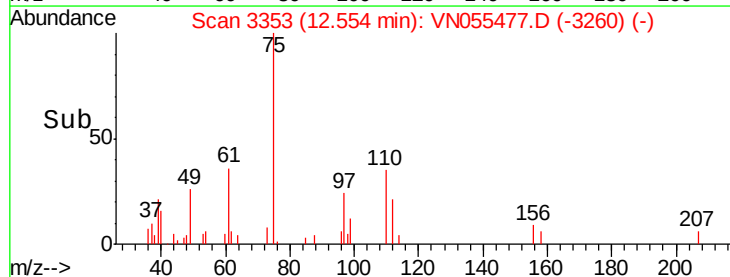
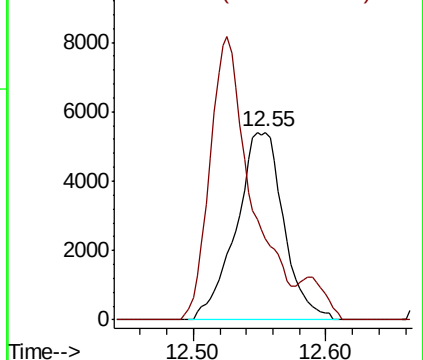
75 100

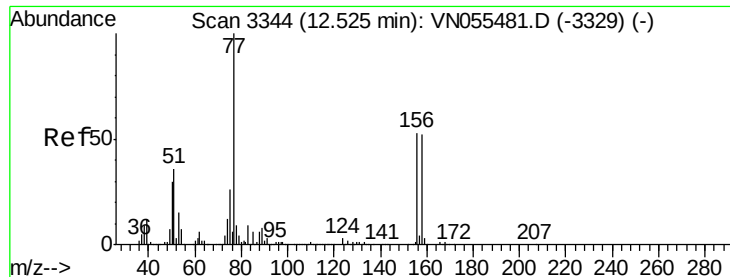
77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#77

Bromobenzene

Concen: 1.230 ug/l

RT: 12.52 min Scan# 3343

Delta R.T. -0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

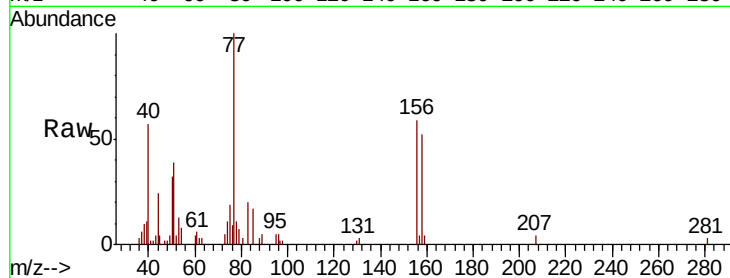
Tot Ion:156 Resp: 8260

Ion Ratio Lower Upper

156 100

77 214.2 115.4 346.2

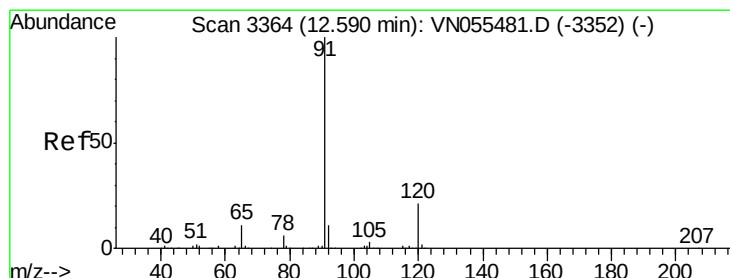
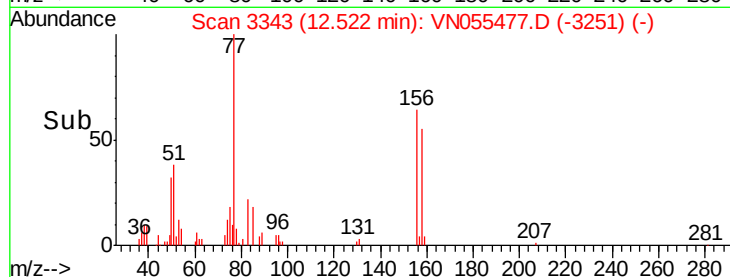
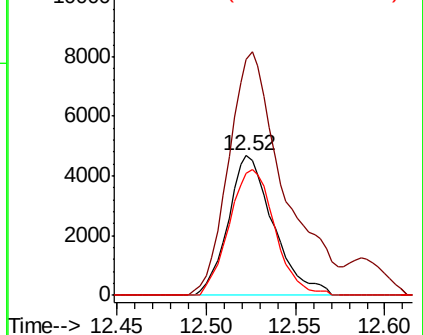
158 90.7 48.7 146.1



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: 1.178 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055477.D

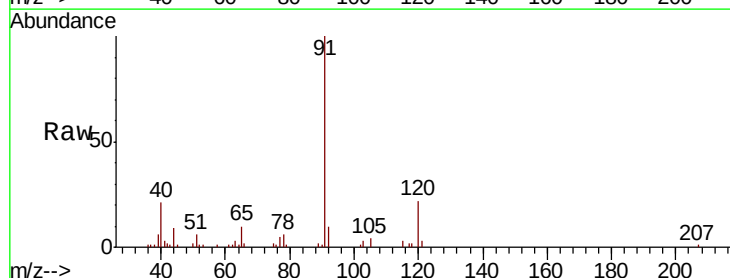
Acq: 8 May 2019 16:07

Tgt Ion: 91 Resp: 36190

Ion Ratio Lower Upper

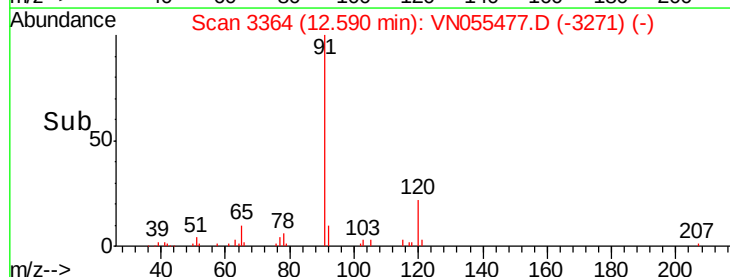
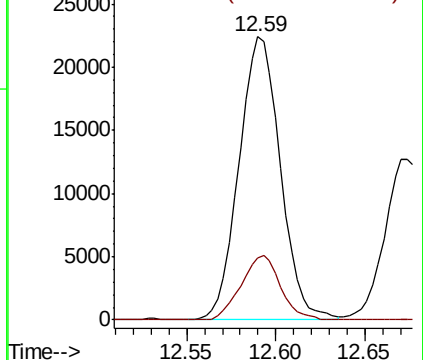
91 100

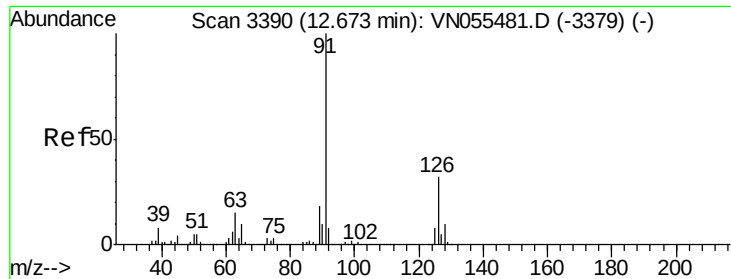
120 21.5 10.8 32.3



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

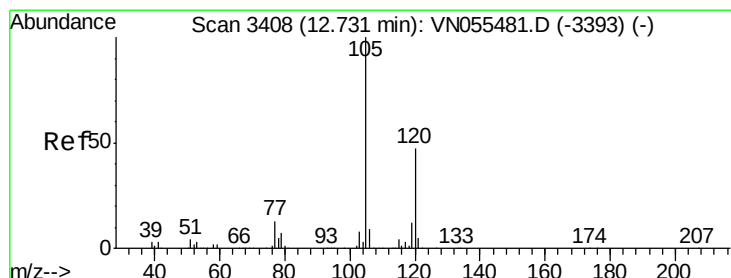
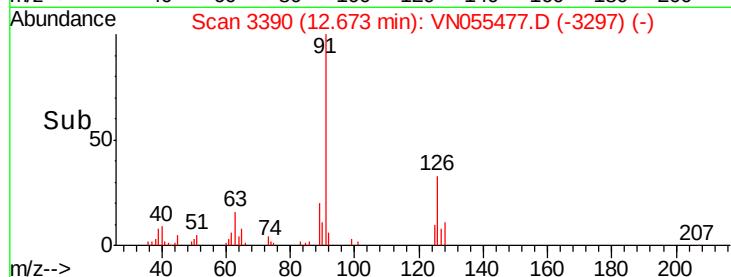
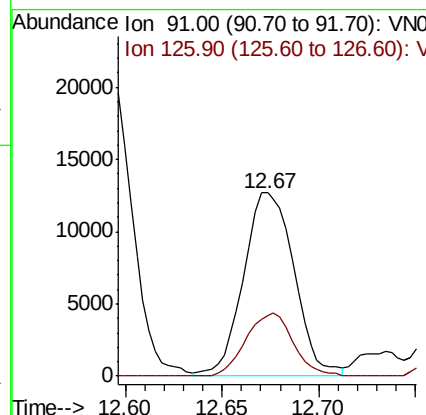
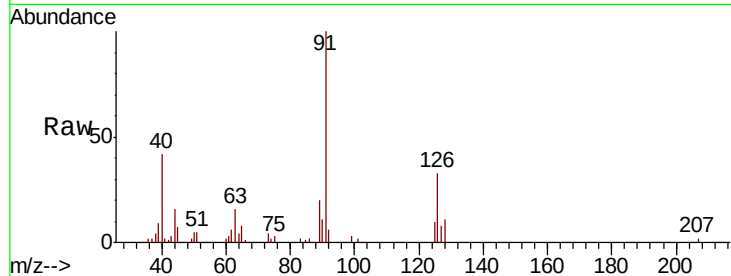




#79
 2-Chlorotoluene
 Concen: 1.179 ug/l
 RT: 12.67 min Scan# 3390
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

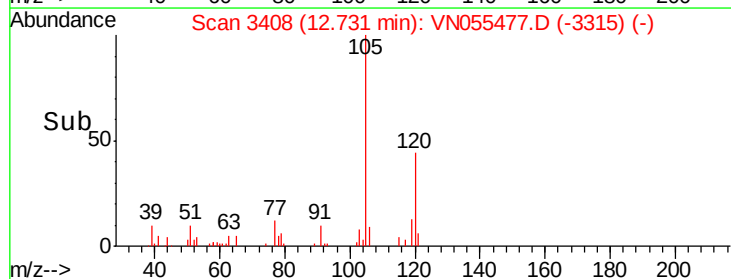
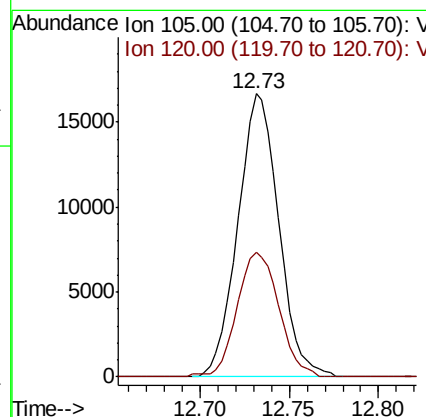
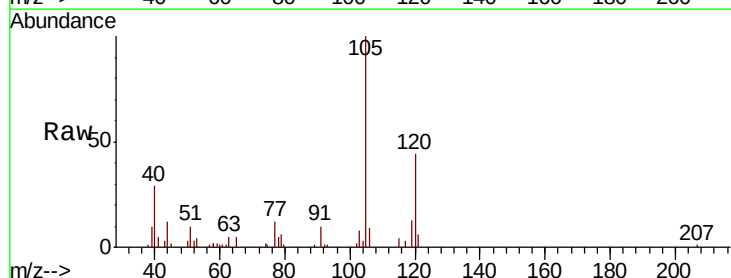
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

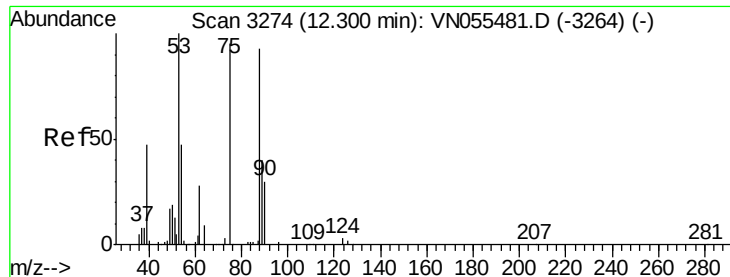
Tot Ion: 91 Resp: 23177
 Ion Ratio Lower Upper
 91 100
 126 32.1 16.0 47.9



#80
 1,3,5-Trimethylbenzene
 Concen: 1.134 ug/l
 RT: 12.73 min Scan# 3408
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 105 Resp: 26648
 Ion Ratio Lower Upper
 105 100
 120 45.0 23.4 70.0





#81

trans-1,4-Dichloro-2-butene

Concen: 1.423 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. -0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

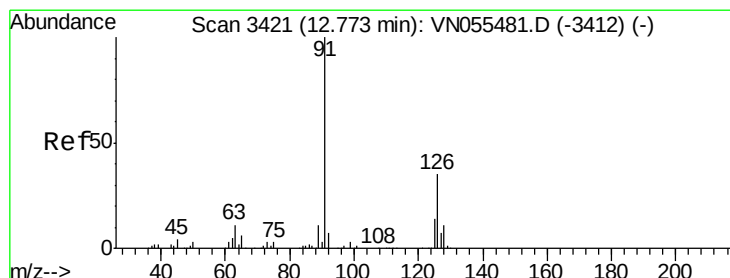
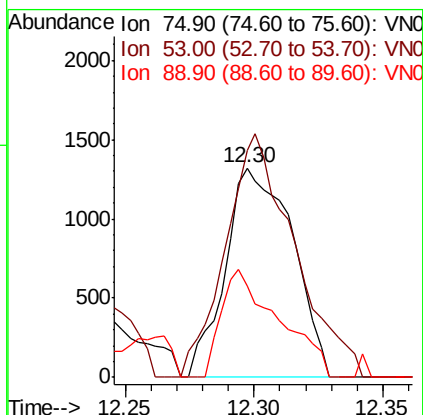
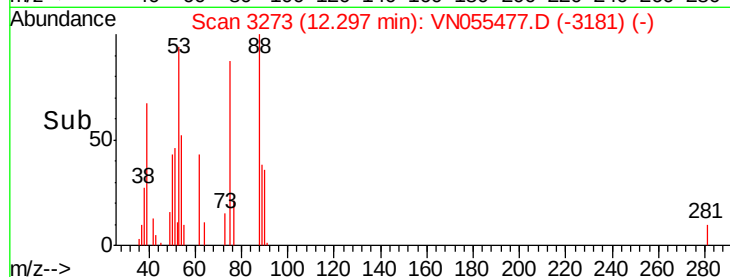
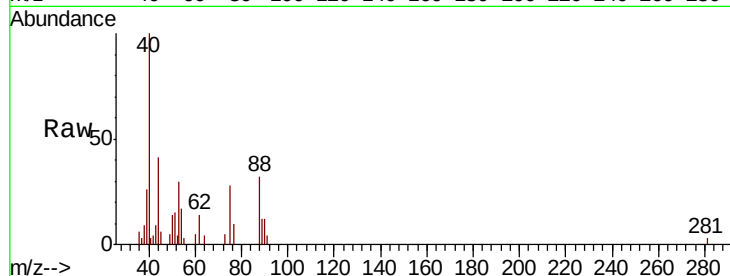
Tot Ion: 75 Resp: 2409

Ion Ratio Lower Upper

75 100

53 118.8 86.5 129.7

89 43.9 35.7 53.5



#82

4-Chlorotoluene

Concen: 1.169 ug/l

RT: 12.77 min Scan# 3420

Delta R.T. -0.00 min

Lab File: VN055477.D

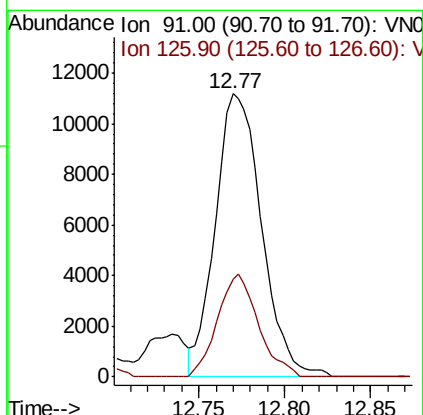
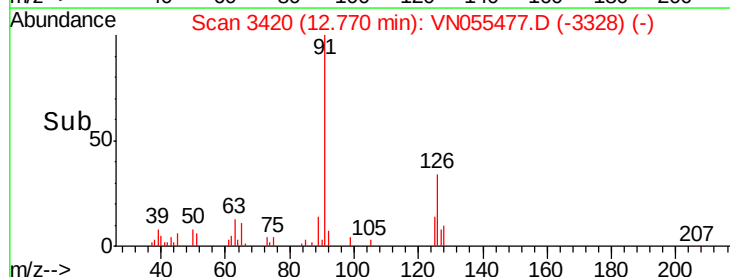
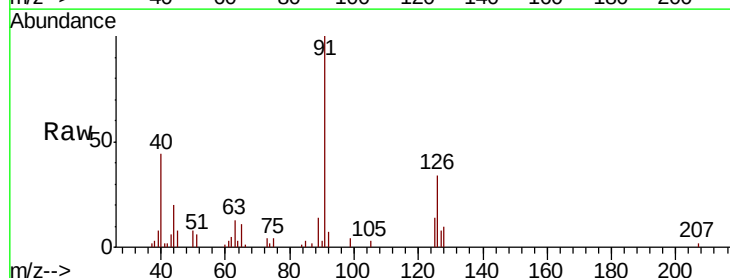
Acq: 8 May 2019 16:07

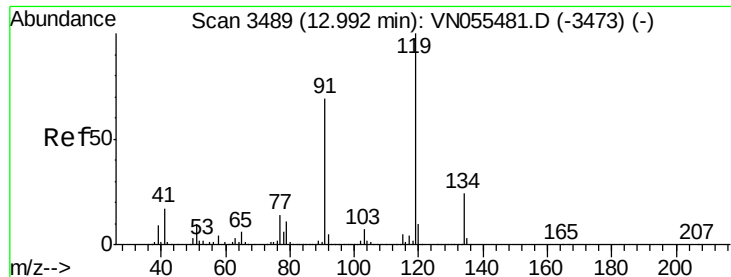
Tgt Ion: 91 Resp: 20962

Ion Ratio Lower Upper

91 100

126 32.0 15.7 47.0

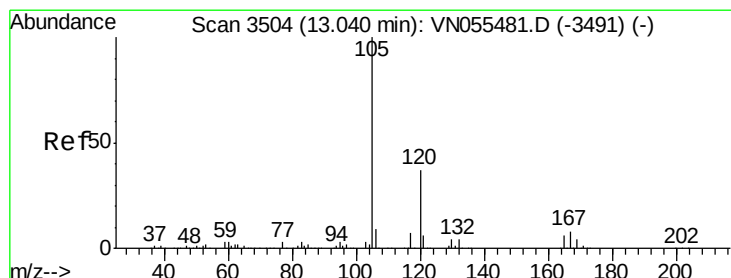
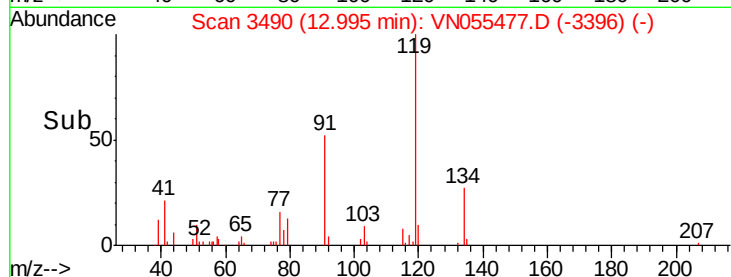
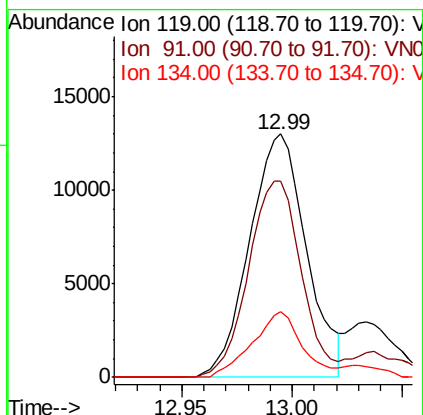
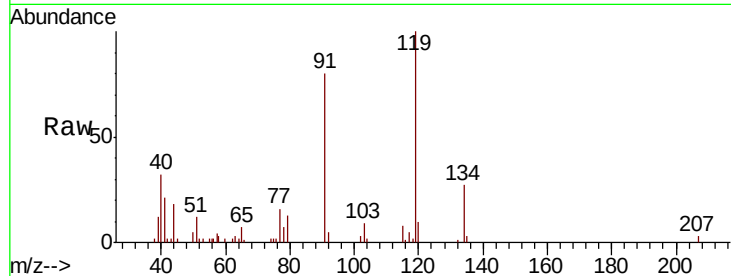




#83
 tert-Butylbenzene
 Concen: 1.109 ug/l
 RT: 12.99 min Scan# 3490
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

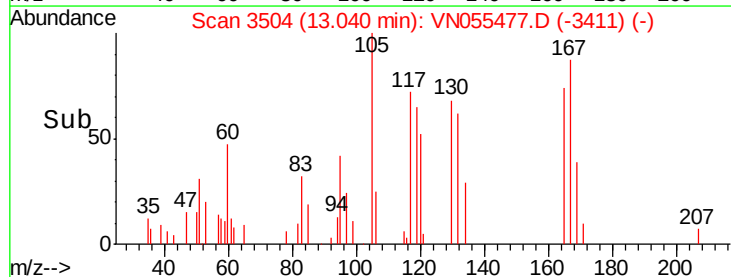
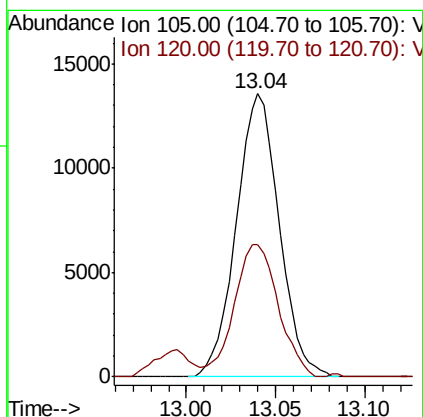
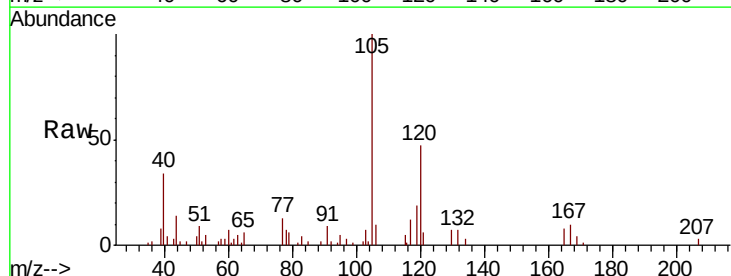
Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

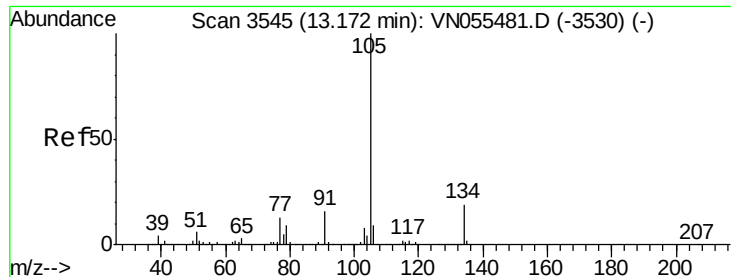
Tot Ion:119 Resp: 23273
 Ion Ratio Lower Upper
 119 100
 91 75.1 33.8 101.3
 134 23.7 12.5 37.5



#84
 1,2,4-Trimethylbenzene
 Concen: 1.081 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion:105 Resp: 22714
 Ion Ratio Lower Upper
 105 100
 120 48.1 22.1 66.5





#85

sec-Butylbenzene

Concen: 1.212 ug/l

RT: 13.17 min Scan# 3545

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

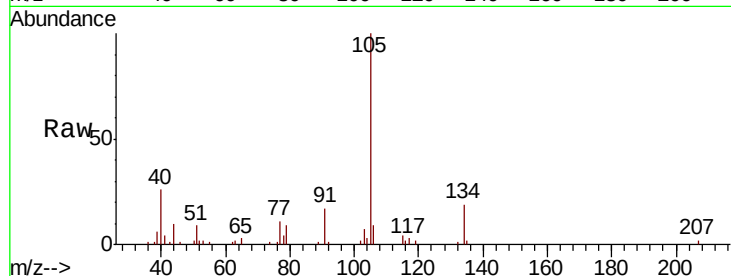
VSTDIC001

Tot Ion:105 Resp: 31042

Ion Ratio Lower Upper

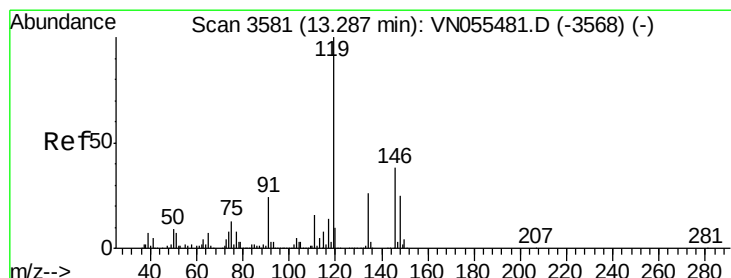
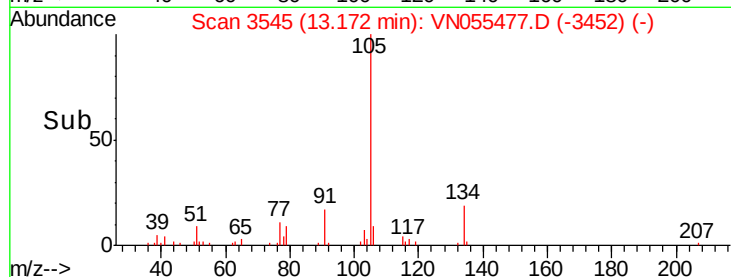
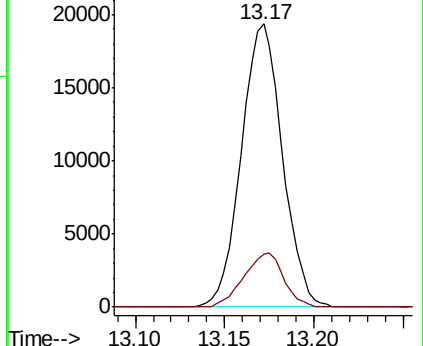
105 100

134 18.5 9.3 28.0



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#86

p-Isopropyltoluene

Concen: 1.095 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

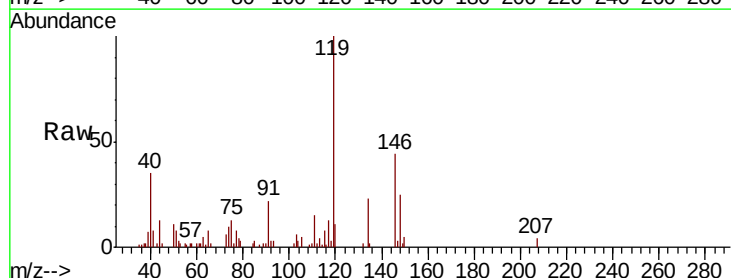
Tgt Ion:119 Resp: 23029

Ion Ratio Lower Upper

119 100

134 25.2 12.8 38.4

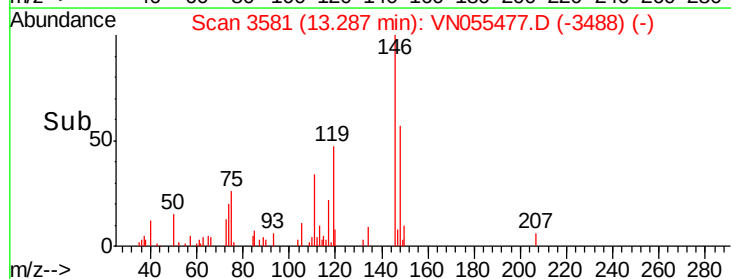
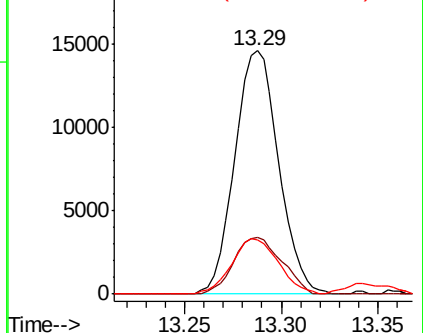
91 24.3 12.0 36.0

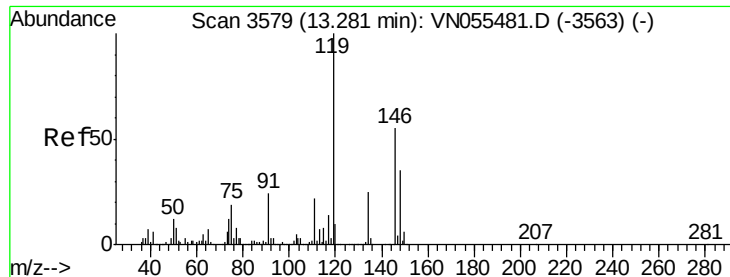


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V





#87

1,3-Dichlorobenzene

Concen: 1.061 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.01 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

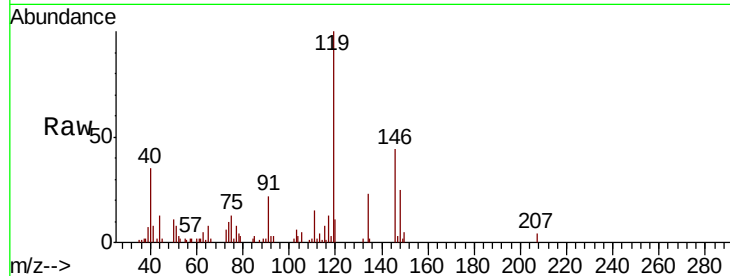
Tot Ion:146 Resp: 10608

Ion Ratio Lower Upper

146 100

111 43.3 20.4 61.3

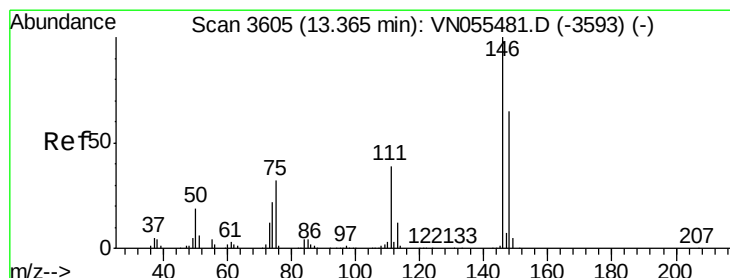
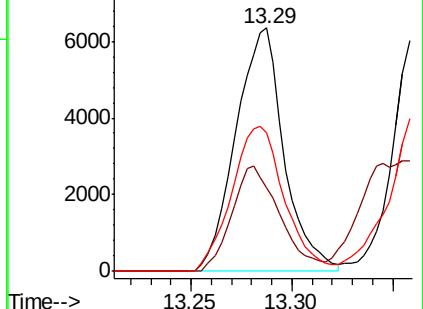
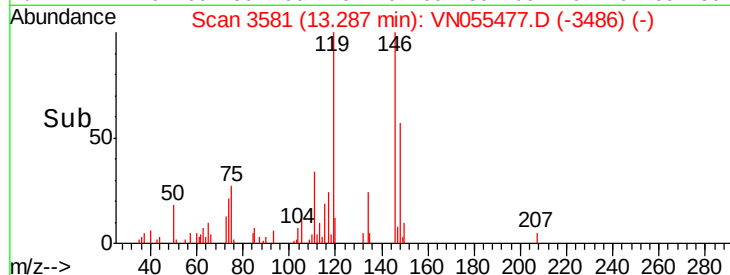
148 64.7 32.1 96.5



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



#88

1,4-Dichlorobenzene

Concen: 1.126 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. -0.08 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

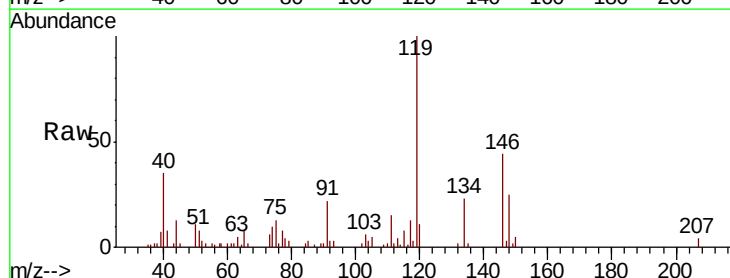
Tgt Ion:146 Resp: 10608

Ion Ratio Lower Upper

146 100

111 43.3 19.6 58.8

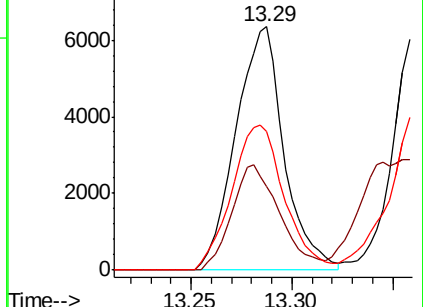
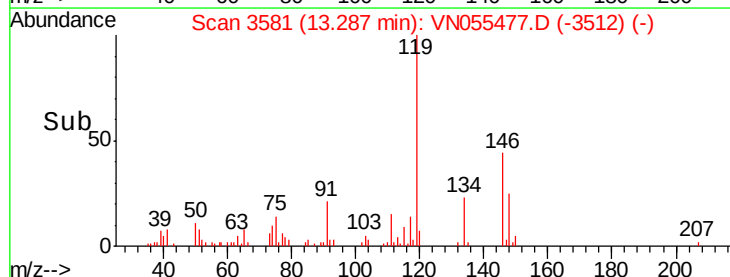
148 64.7 32.5 97.4

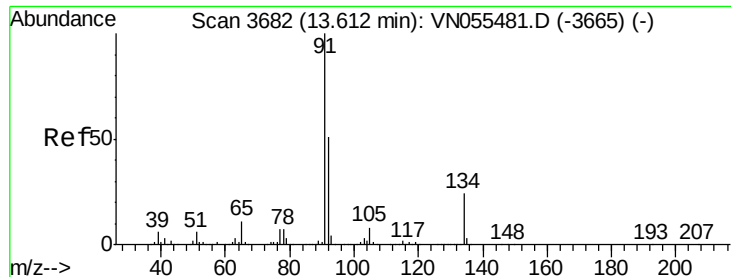


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V





#89

n-Butylbenzene

Concen: 1.123 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampled :

VSTDIC001

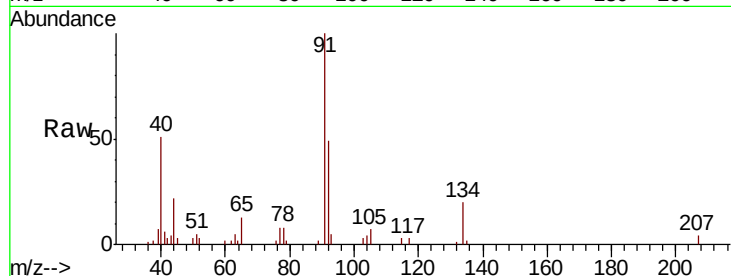
Tot Ion: 91 Resp: 17032

Ion Ratio Lower Upper

91 100

92 48.3 25.9 77.7

134 20.9 11.8 35.4

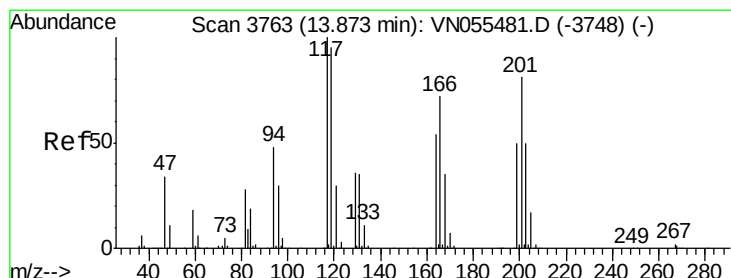
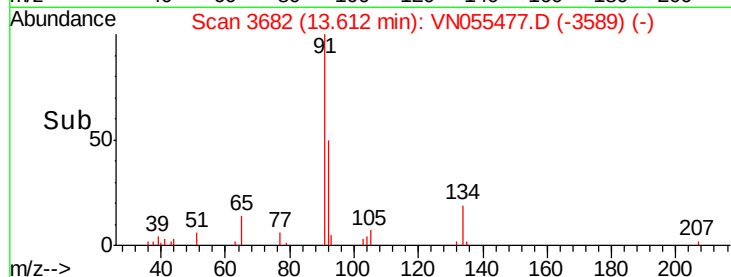


Abundance Ion 91.00 (90.70 to 91.70): VN055481.D (-3665) (-)

Ion 92.00 (91.70 to 92.70): VN055481.D (-3665) (-)

Ion 134.00 (133.70 to 134.70): VN055481.D (-3665) (-)

Time-->



#90

Hexachloroethane

Concen: 1.049 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055477.D

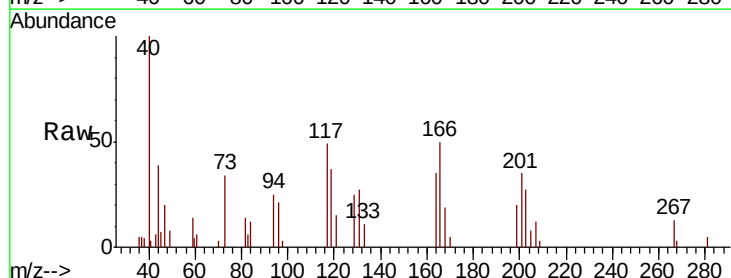
Acq: 8 May 2019 16:07

Tgt Ion: 117 Resp: 4103

Ion Ratio Lower Upper

117 100

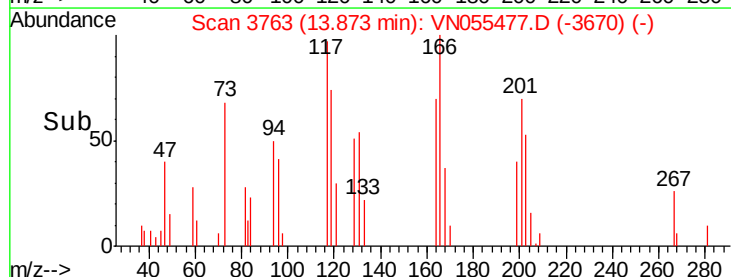
201 86.6 40.1 120.2

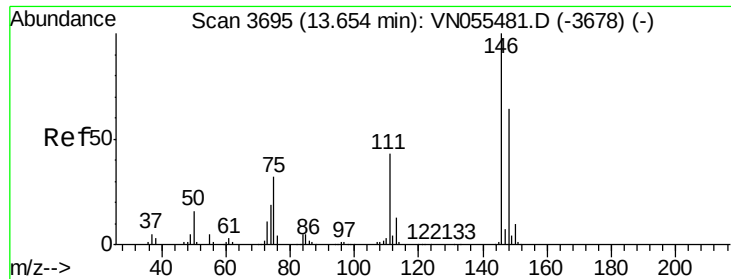


Abundance Ion 116.80 (116.50 to 117.50): VN055481.D (-3748) (-)

Ion 200.70 (200.40 to 201.40): VN055481.D (-3748) (-)

Time-->

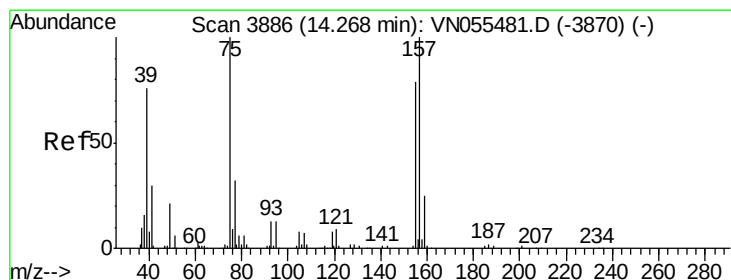
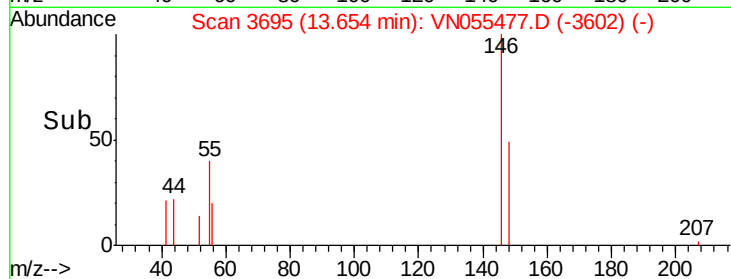
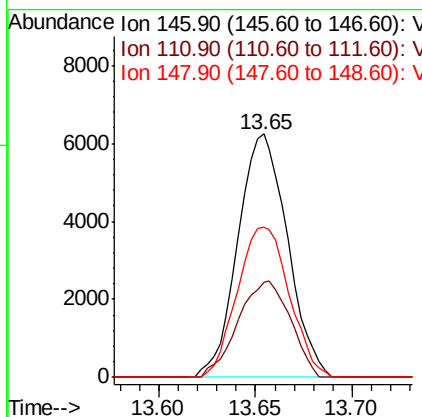
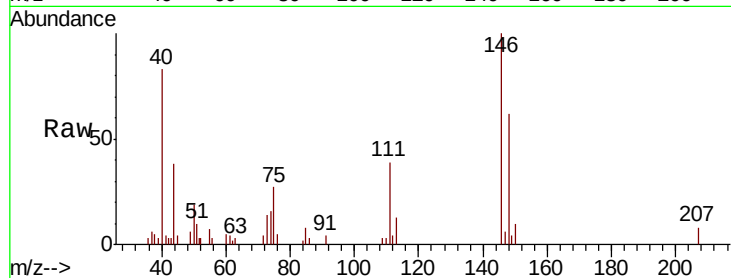




#91
 1,2-Dichlorobenzene
 Concen: 1.121 ug/l
 RT: 13.65 min Scan# 3695
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

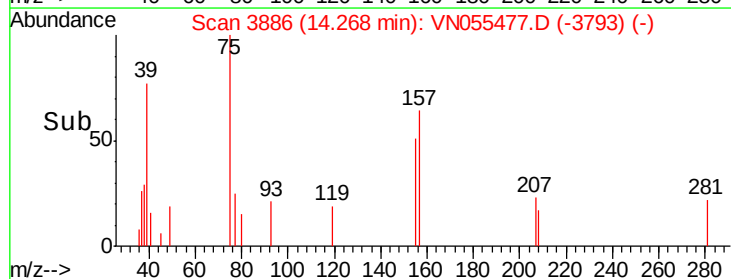
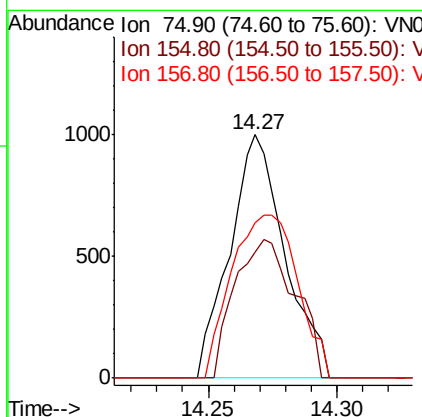
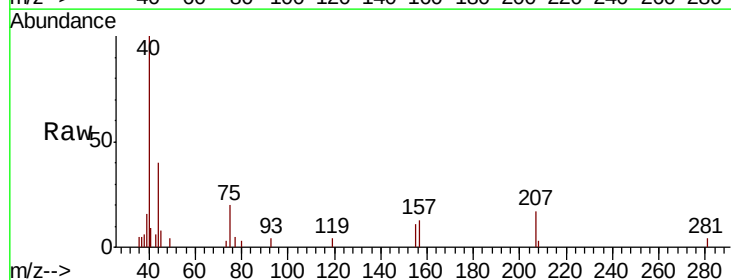
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC001

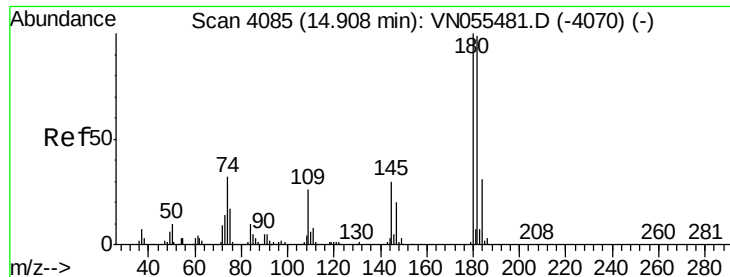
Tot Ion:146 Resp: 11120
 Ion Ratio Lower Upper
 146 100
 111 41.8 21.3 63.7
 148 64.7 31.9 95.9



#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.713 ug/l
 RT: 14.27 min Scan# 3886
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion: 75 Resp: 1487
 Ion Ratio Lower Upper
 75 100
 155 62.4 39.3 117.8
 157 80.8 50.6 151.8

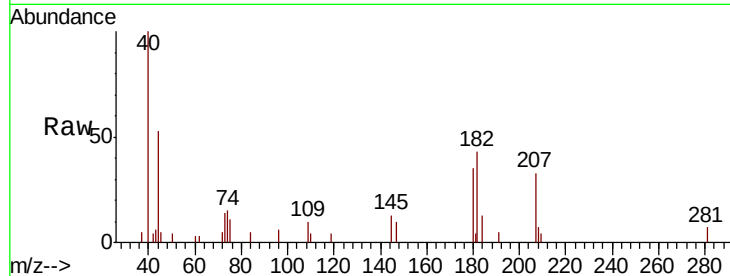




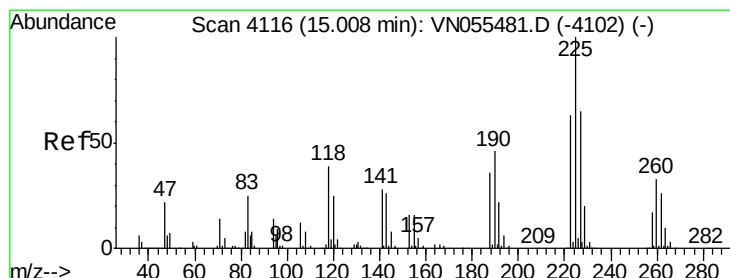
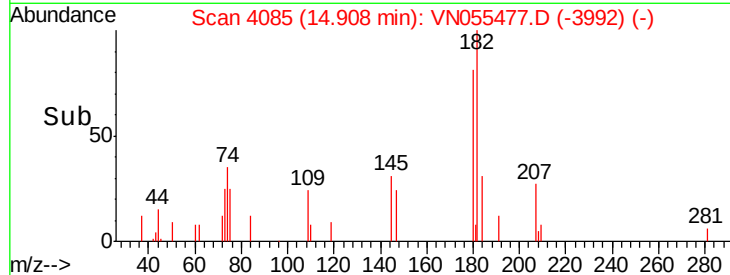
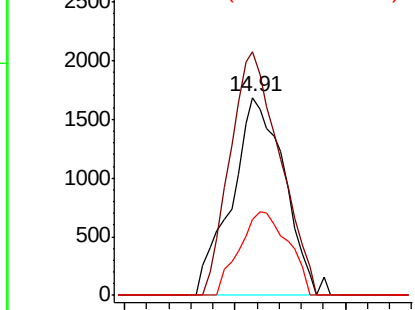
#93
 1,2,4-Trichlorobenzene
 Concen: 0.885 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Instrument :
 MSVOA_N
 ClientSampled :
 VSTDIC001

Tot Ion:180 Resp: 2802
 Ion Ratio Lower Upper
 180 100
 182 116.1 48.7 146.1
 145 39.0 15.3 45.9

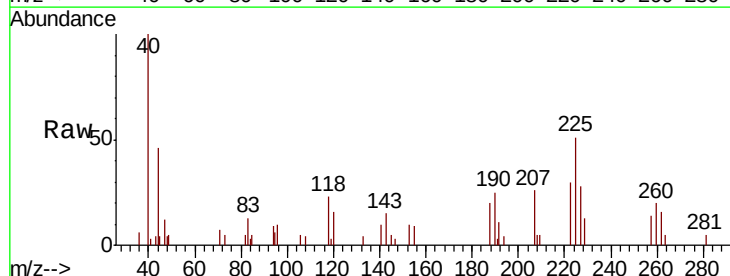


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

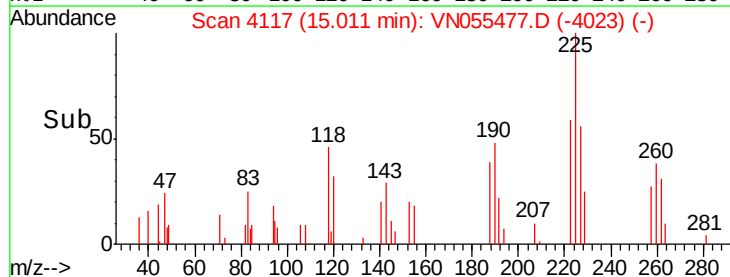
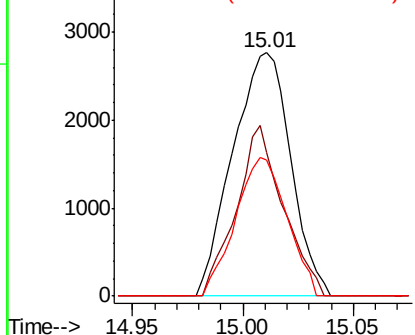


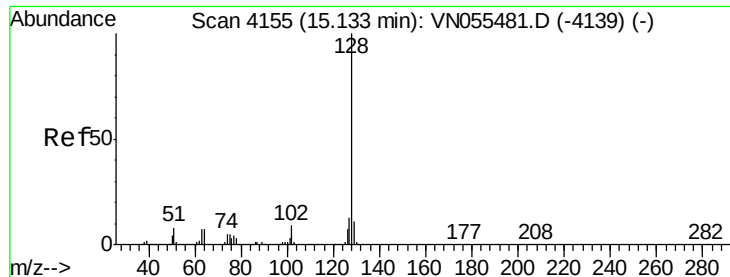
#94
 Hexachlorobutadiene
 Concen: 1.380 ug/l
 RT: 15.01 min Scan# 4117
 Delta R.T. 0.00 min
 Lab File: VN055477.D
 Acq: 8 May 2019 16:07

Tgt Ion:225 Resp: 5022
 Ion Ratio Lower Upper
 225 100
 223 56.9 31.4 94.3
 227 50.7 32.0 96.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.415 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC001

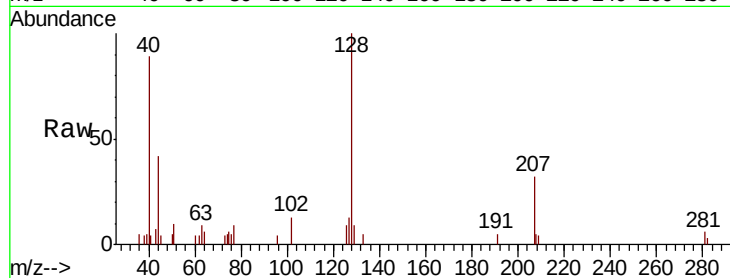
Tot Ion:128 Resp: 10402

Ion Ratio Lower Upper

128 100

127 12.9 10.0 15.0

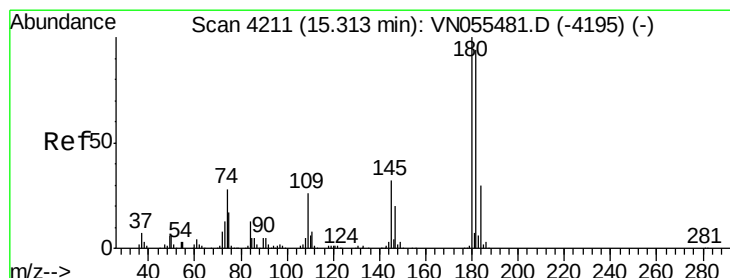
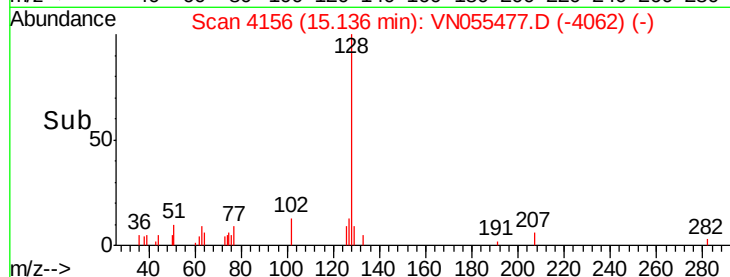
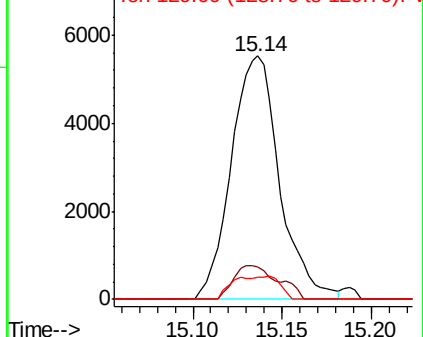
129 4.5 8.8 13.2#



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 1.300 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN055477.D

Acq: 8 May 2019 16:07

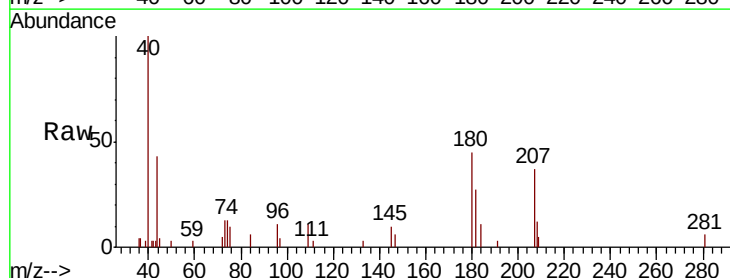
Tgt Ion:180 Resp: 4315

Ion Ratio Lower Upper

180 100

182 79.7 47.1 141.3

145 14.4 15.8 47.4#



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

