

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
 Data File : VN055976.D
 Acq On : 4 Jun 2019 8:47
 Operator : JC/SP
 Sample : VSTDIC005
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 05 01:09:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	327197	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	472455	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	411730	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	148709	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.02	65	15547	4.79	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.58%	
35) Dibromofluoromethane	7.59	113	13557	4.68	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.36%	
50) Toluene-d8	10.09	98	51804	4.64	ug/l	0.00
Spiked Amount	50.000		Recovery	=	9.28%	
62) 4-Bromofluorobenzene	12.40	95	16267	4.29	ug/l	0.00
Spiked Amount	50.000		Recovery	=	8.58%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.85	85	11530	3.540	ug/l	99
3) Chloromethane	2.06	50	15623	4.405	ug/l	97
4) Vinyl Chloride	2.18	62	15568	4.376	ug/l	96
5) Bromomethane	2.53	94	12046	5.360	ug/l	98
6) Chloroethane	2.68	64	9860	4.780	ug/l	99
7) Trichlorofluoromethane	3.00	101	21588	4.753	ug/l	97
8) Diethyl Ether	3.41	74	9397	5.031	ug/l	98
9) 1,1,2-Trichlorotrifluoroet	3.74	101	13721	4.973	ug/l	98
10) Methyl Iodide	3.94	142	19222	4.384	ug/l	96
11) Tert butyl alcohol	4.82	59	12932	22.874	ug/l #	88
12) 1,1-Dichloroethene	3.72	96	13739	5.002	ug/l	93
13) Acrolein	3.60	56	3990	24.470	ug/l	96
14) Allyl chloride	4.31	41	20189	4.655	ug/l	97
15) Acrylonitrile	4.99	53	33866	24.608	ug/l #	92
16) Acetone	3.82	43	37135	23.900	ug/l	98
17) Carbon Disulfide	4.04	76	27276	4.147	ug/l	97
18) Methyl Acetate	4.33	43	17278	5.142	ug/l	95
19) Methyl tert-butyl Ether	5.04	73	43086	4.921	ug/l	100
20) Methylene Chloride	4.54	84	16596	5.184	ug/l	93
21) trans-1,2-Dichloroethene	5.04	96	14576	4.953	ug/l	95
22) Diisopropyl ether	5.95	45	43787	4.884	ug/l	95
23) Vinyl Acetate	5.89	43	159019	22.522	ug/l	100
24) 1,1-Dichloroethane	5.84	63	26274	5.080	ug/l	100
25) 2-Butanone	6.84	43	46392	23.631	ug/l	99
26) 2,2-Dichloropropane	6.82	77	19374	4.801	ug/l	99
27) cis-1,2-Dichloroethene	6.83	96	17467	5.049	ug/l	96
28) Bromochloromethane	7.19	49	11585	4.737	ug/l #	96
29) Tetrahydrofuran	7.22	42	30313	24.980	ug/l	98
30) Chloroform	7.37	83	26101	5.017	ug/l	96
31) Cyclohexane	7.65	56	28652	5.558	ug/l #	73
32) 1,1,1-Trichloroethane	7.57	97	20955	4.823	ug/l	99
36) 1,1-Dichloropropene	7.79	75	19702	4.850	ug/l	97
37) Ethyl Acetate	6.93	43	16765	4.638	ug/l	99
38) Carbon Tetrachloride	7.77	117	17264	4.609	ug/l	93

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 Misc : 5.00mL/MSVOA N/WATER
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Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Quant Time: Jun 05 01:09:56 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 04 11:02:09 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
39) Methylcyclohexane	9.08	83	24711	4.883	ug/l	98
40) Benzene	8.04	78	60929	4.938	ug/l	99
41) Methacrylonitrile	7.18	41	7516	4.519	ug/l #	81
42) 1,2-Dichloroethane	8.12	62	20365	5.131	ug/l	95
43) Isopropyl Acetate	8.17	43	27152	4.636	ug/l #	90
44) Trichloroethene	8.83	130	17650	4.978	ug/l	95
45) 1,2-Dichloropropane	9.12	63	15264	4.830	ug/l	95
46) Dibromomethane	9.21	93	10265	4.967	ug/l	100
47) Bromodichloromethane	9.40	83	16884	4.508	ug/l #	96
48) Methyl methacrylate	9.20	41	13885	4.845	ug/l	99
49) 1,4-Dioxane	9.21	88	6064	98.021	ug/l #	93
51) 4-Methyl-2-Pentanone	9.99	43	87927	24.005	ug/l	100
52) Toluene	10.15	92	37785	4.921	ug/l	99
53) t-1,3-Dichloropropene	10.38	75	16233	5.917	ug/l	99
54) cis-1,3-Dichloropropene	9.84	75	19876	4.415	ug/l	98
55) 1,1,2-Trichloroethane	10.56	97	15041	4.946	ug/l	97
56) Ethyl methacrylate	10.43	69	20399	4.598	ug/l	96
57) 1,3-Dichloropropane	10.71	76	23758	4.805	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.69	63	33427	32.745	ug/l	99
59) 2-Hexanone	10.75	43	62151	23.411	ug/l	100
60) Dibromochloromethane	10.90	129	12168	5.902	ug/l	96
61) 1,2-Dibromoethane	11.00	107	14751	4.744	ug/l	98
64) Tetrachloroethene	10.63	164	18319	5.140	ug/l	97
65) Chlorobenzene	11.43	112	40713	4.968	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.51	131	13350	4.718	ug/l	97
67) Ethyl Benzene	11.51	91	68496	4.807	ug/l	98
68) m/p-Xylenes	11.62	106	52011	9.555	ug/l	99
69) o-Xylene	11.95	106	26841	5.013	ug/l	98
70) Styrene	11.96	104	39577	4.652	ug/l	99
71) Bromoform	12.12	173	8151	5.985	ug/l #	99
73) Isopropylbenzene	12.25	105	67921	4.190	ug/l	99
74) N-amyl acetate	12.07	43	21620	5.454	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.50	83	19373	5.612	ug/l	98
76) 1,2,3-Trichloropropane	12.55	75	21910	8.007	ug/l #	100
77) Bromobenzene	12.53	156	17775	5.583	ug/l	94
78) n-propylbenzene	12.59	91	67369	5.355	ug/l	99
79) 2-Chlorotoluene	12.67	91	45697	4.433	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	55653	5.566	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.30	75	3436	4.182	ug/l #	72
82) 4-Chlorotoluene	12.77	91	38448	5.224	ug/l	99
83) tert-Butylbenzene	12.99	119	50920	4.057	ug/l	99
84) 1,2,4-Trimethylbenzene	13.04	105	51615	5.444	ug/l	98
85) sec-Butylbenzene	13.17	105	60458	5.426	ug/l	99
86) p-Isopropyltoluene	13.29	119	52033	5.218	ug/l	99
87) 1,3-Dichlorobenzene	13.28	146	24676	5.008	ug/l	98
88) 1,4-Dichlorobenzene	13.36	146	23800	5.021	ug/l	96
89) n-Butylbenzene	13.61	91	35259	4.773	ug/l	99
90) Hexachloroethane	13.87	117	7794	5.183	ug/l	94
91) 1,2-Dichlorobenzene	13.65	146	25964	5.219	ug/l	99
92) 1,2-Dibromo-3-Chloropropan	14.27	75	2257	4.571	ug/l	93

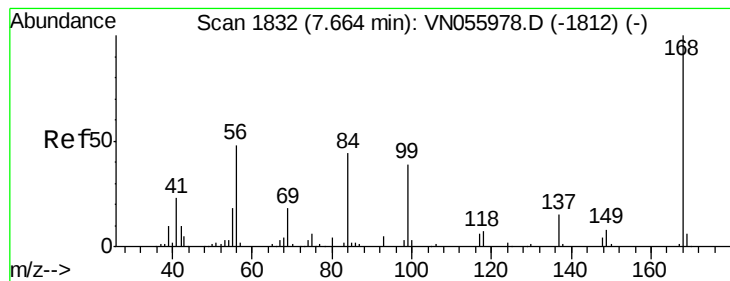
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN060419\
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Acq On : 4 Jun 2019 8:47
Operator : JC/SP
Sample : VSTDICC005
Misc : 5.00mL/MSVOA N/WATER
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Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Quant Time: Jun 05 01:09:56 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N060419W.M
Quant Title : SW846 8260
QLast Update : Tue Jun 04 11:02:09 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
93) 1,2,4-Trichlorobenzene	14.91	180	8381	7.066	ug/l	99
94) Hexachlorobutadiene	15.01	225	10878	4.477	ug/l	98
95) Naphthalene	15.13	128	21742	6.673	ug/l	98
96) 1,2,3-Trichlorobenzene	15.31	180	9857	6.345	ug/l	98

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1831

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

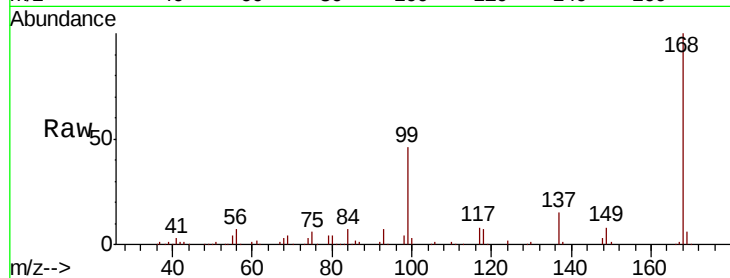
VSTDIC005

Tot Ion:168 Resp: 327197

Ion Ratio Lower Upper

168 100

99 45.9 37.2 55.8



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.66

150000

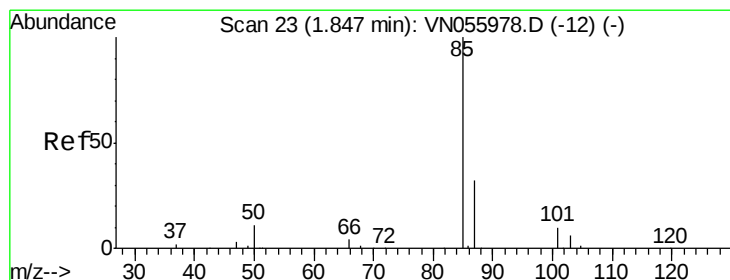
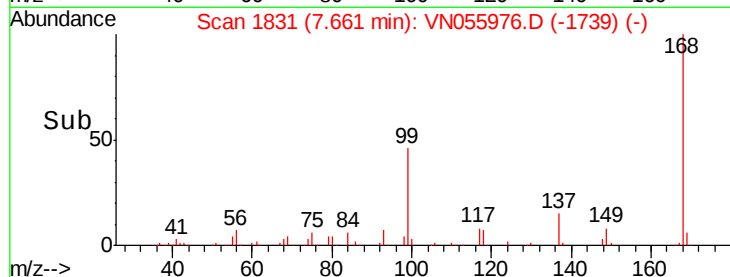
100000

50000

0

7.60 7.65 7.70 7.75

Time-->



#2

Dichlorodifluoromethane

Concen: 3.540 ug/l

RT: 1.85 min Scan# 23

Delta R.T. 0.00 min

Lab File: VN055976.D

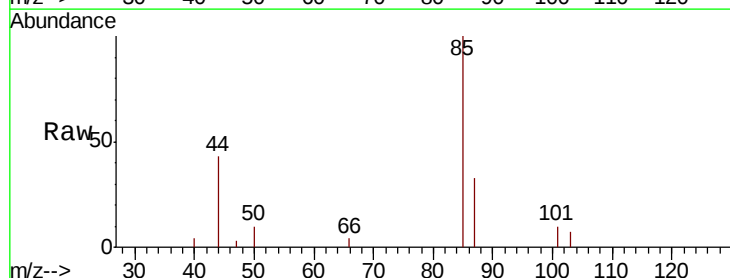
Acq: 4 Jun 2019 8:47

Tgt Ion: 85 Resp: 11530

Ion Ratio Lower Upper

85 100

87 32.6 16.1 48.3



Abundance Ion 84.90 (84.60 to 85.60): VNO

Ion 86.90 (86.60 to 87.60): VNO

1.85

8000

6000

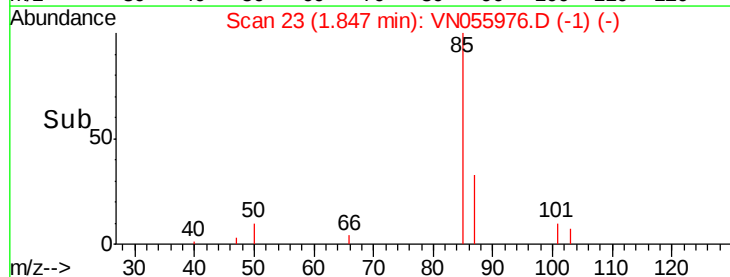
4000

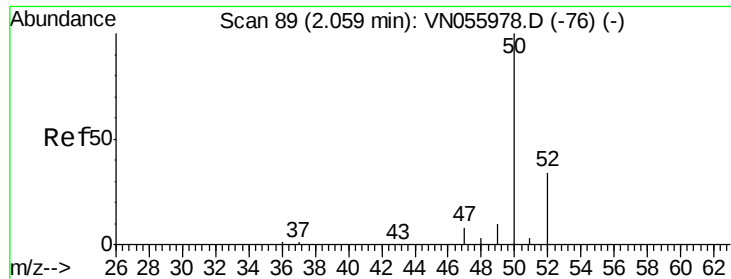
2000

0

1.80 1.85 1.90

Time-->

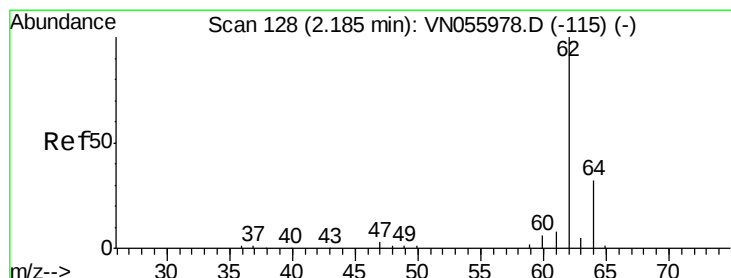
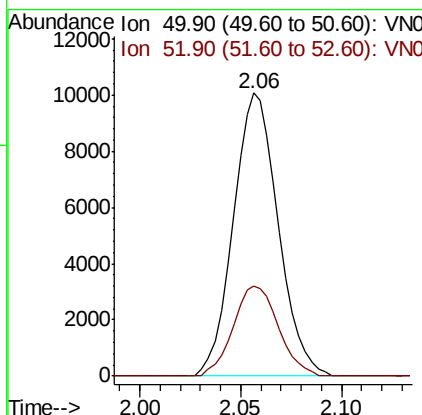
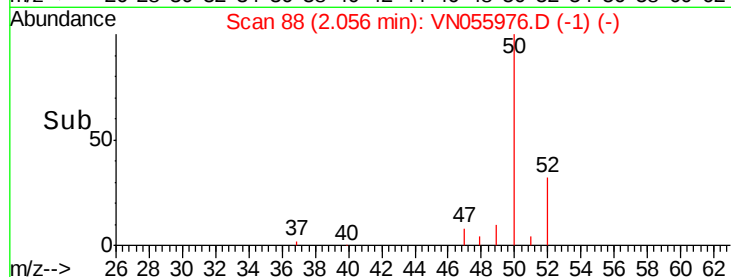
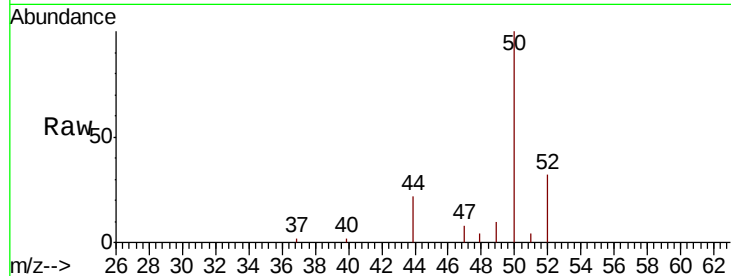




#3
 Chloromethane
 Concen: 4.405 ug/l
 RT: 2.06 min Scan# 88
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

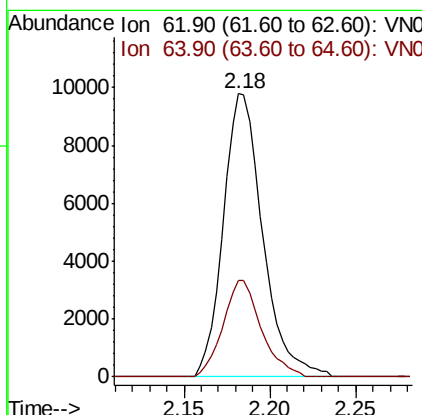
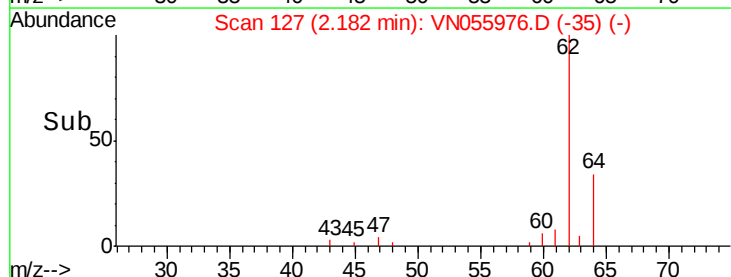
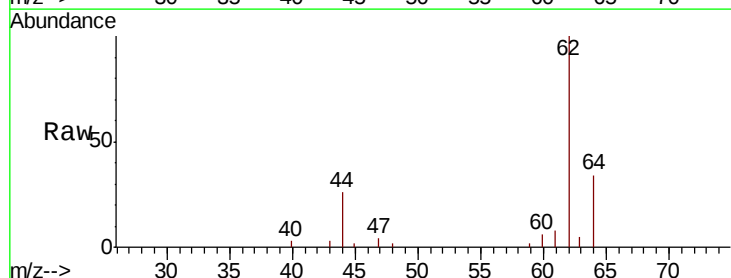
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

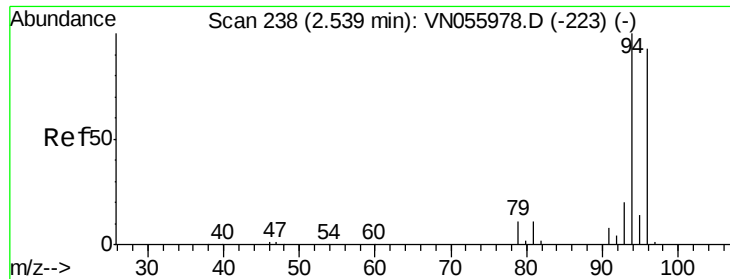
Tot Ion: 50 Resp: 15623
 Ion Ratio Lower Upper
 50 100
 52 31.9 26.6 40.0



#4
 Vinyl Chloride
 Concen: 4.376 ug/l
 RT: 2.18 min Scan# 127
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 62 Resp: 15568
 Ion Ratio Lower Upper
 62 100
 64 34.1 25.6 38.4





#5

Bromomethane

Concen: 5.360 ug/l

RT: 2.53 min Scan# 234

Delta R.T. -0.01 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

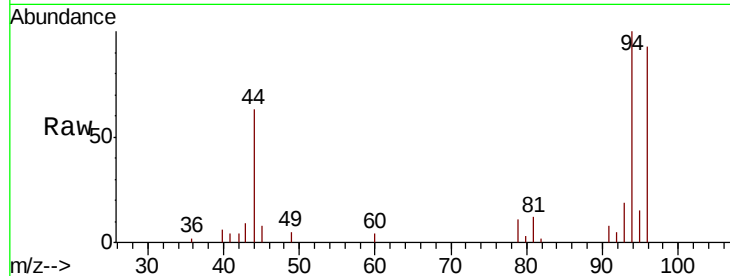
VSTDIC005

Tot Ion: 94 Resp: 12046

Ion Ratio Lower Upper

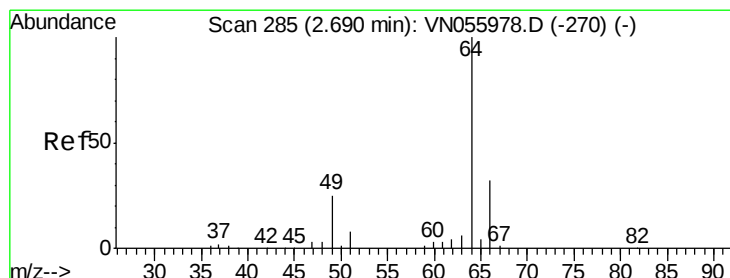
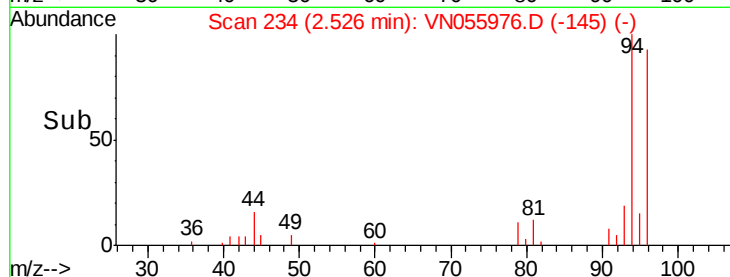
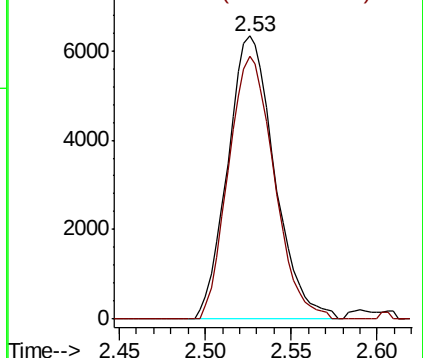
94 100

96 92.7 75.5 113.3



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#6

Chloroethane

Concen: 4.780 ug/l

RT: 2.68 min Scan# 282

Delta R.T. -0.01 min

Lab File: VN055976.D

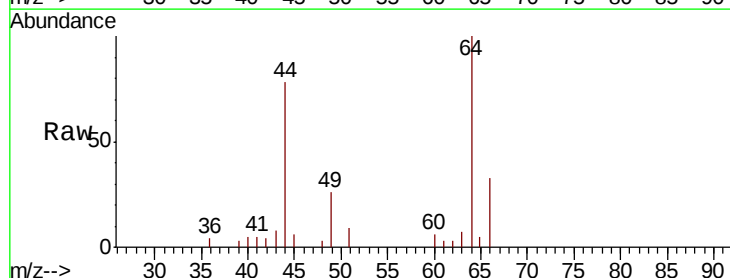
Acq: 4 Jun 2019 8:47

Tgt Ion: 64 Resp: 9860

Ion Ratio Lower Upper

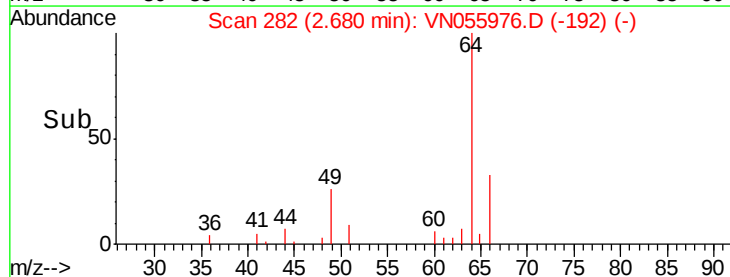
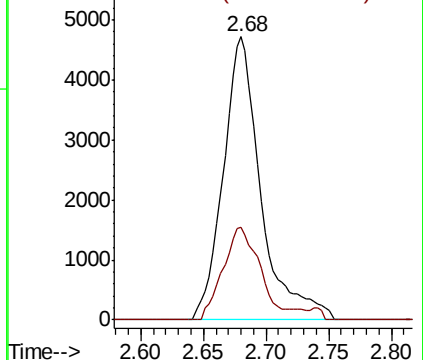
64 100

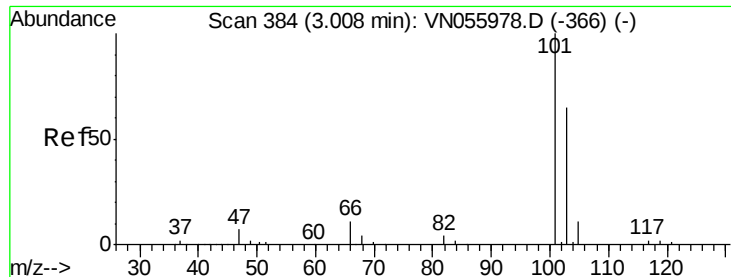
66 32.5 25.4 38.0



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



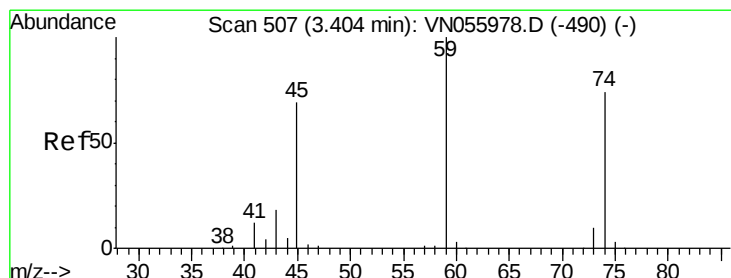
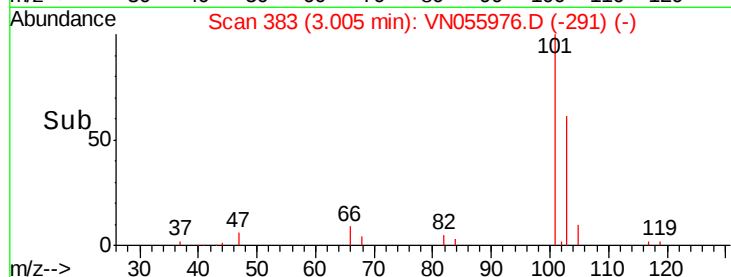
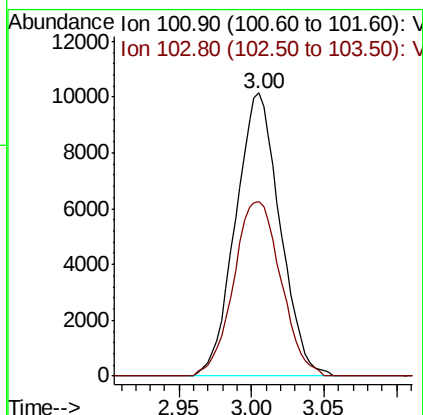
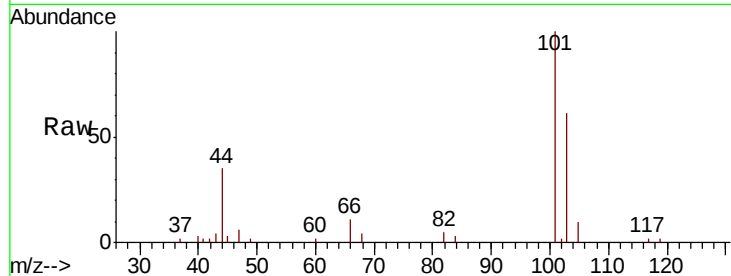


#7

Trichlorofluoromethane
 Concen: 4.753 ug/l
 RT: 3.00 min Scan# 383
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

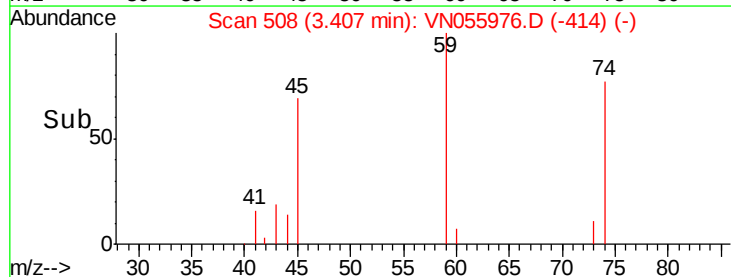
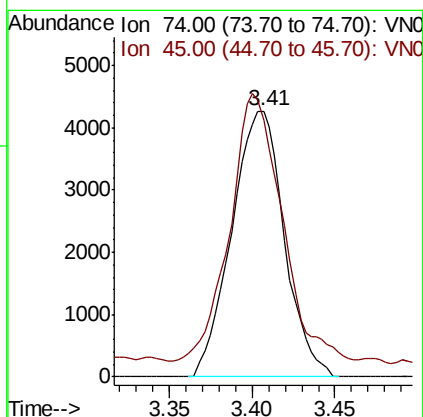
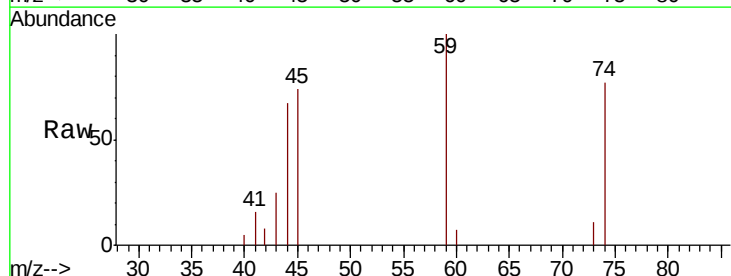
Tot Ion:101 Resp: 21588
 Ion Ratio Lower Upper
 101 100
 103 61.5 51.2 76.8

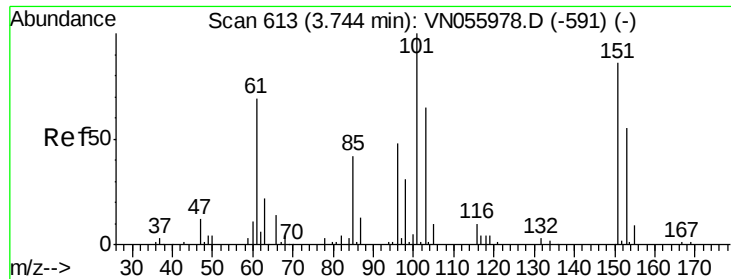


#8

Diethyl Ether
 Concen: 5.031 ug/l
 RT: 3.41 min Scan# 508
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 74 Resp: 9397
 Ion Ratio Lower Upper
 74 100
 45 99.0 48.6 145.9





#9

1,1,2-Trichlorotrifluoroethane

Concen: 4.973 ug/l

RT: 3.74 min Scan# 613

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

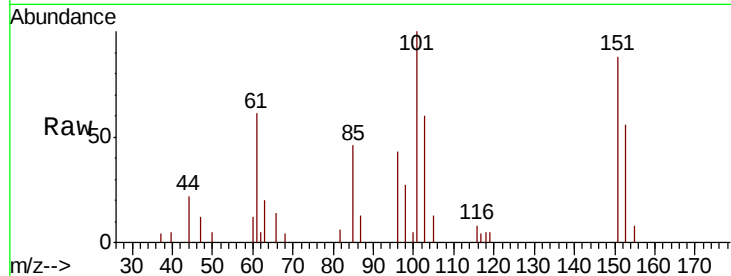
Tot Ion:101 Resp: 13721

Ion Ratio Lower Upper

101 100

85 43.9 33.4 50.2

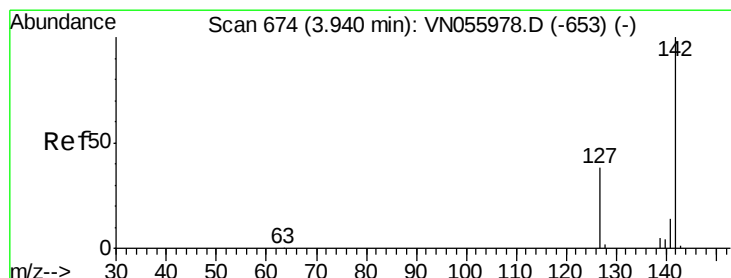
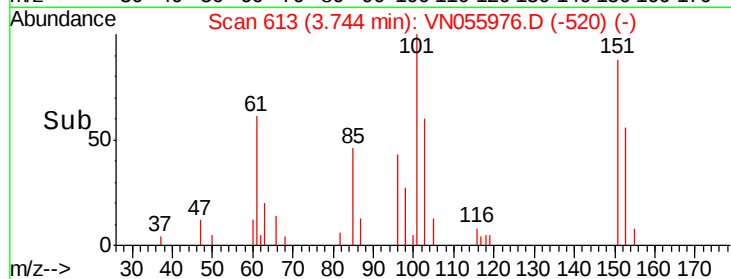
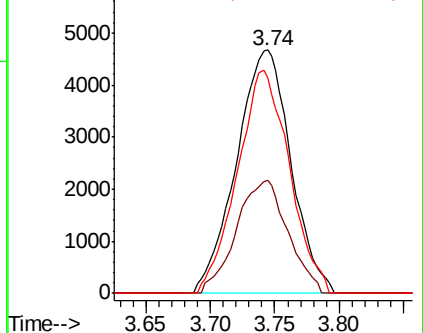
151 87.7 69.4 104.2



Abundance Ion 100.90 (100.60 to 101.60): V

Ion 84.90 (84.60 to 85.60): VN

Ion 150.80 (150.50 to 151.50): V



#10

Methyl Iodide

Concen: 4.384 ug/l

RT: 3.94 min Scan# 674

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

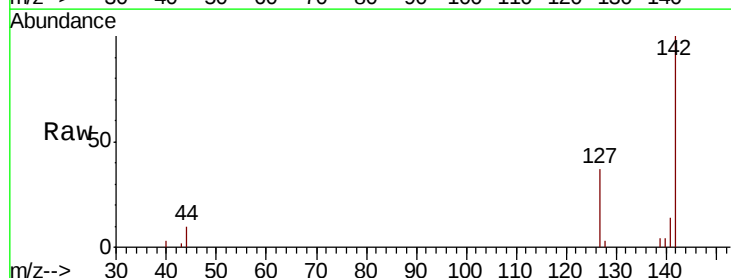
Tgt Ion:142 Resp: 19222

Ion Ratio Lower Upper

142 100

127 36.4 31.0 46.4

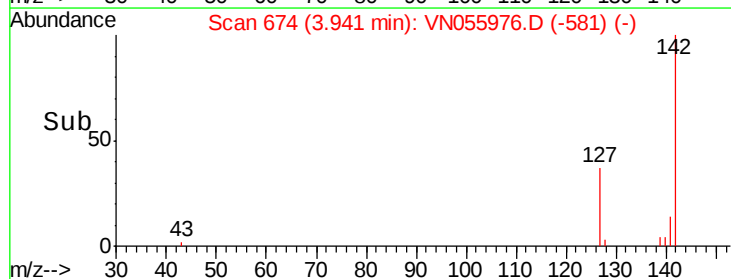
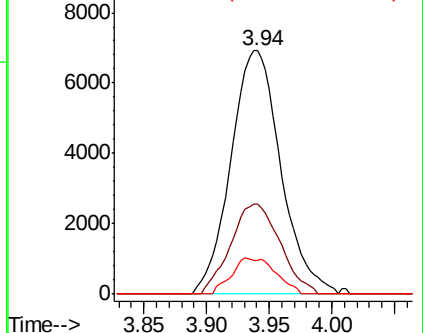
141 13.0 11.4 17.0

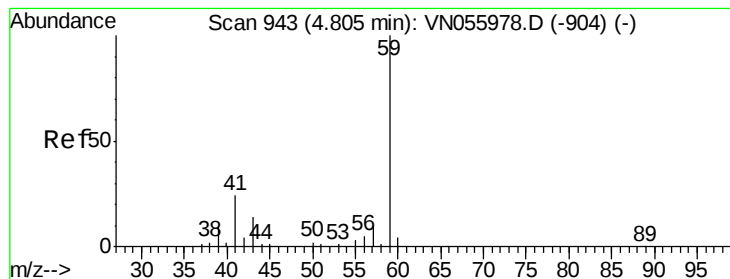


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V



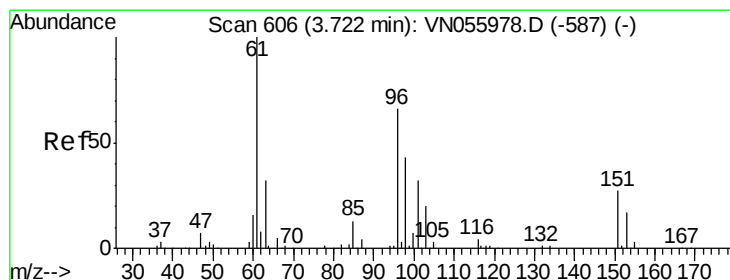
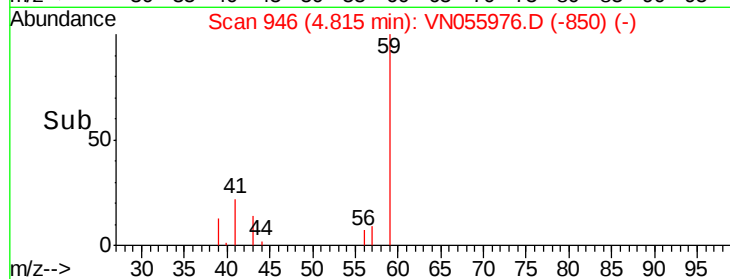
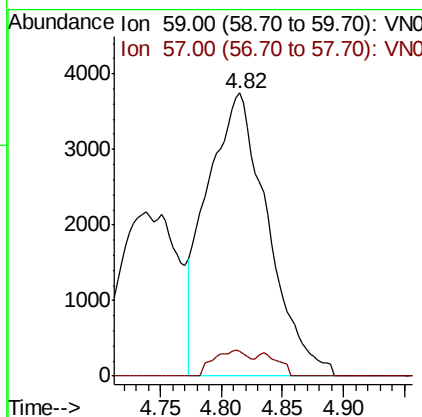
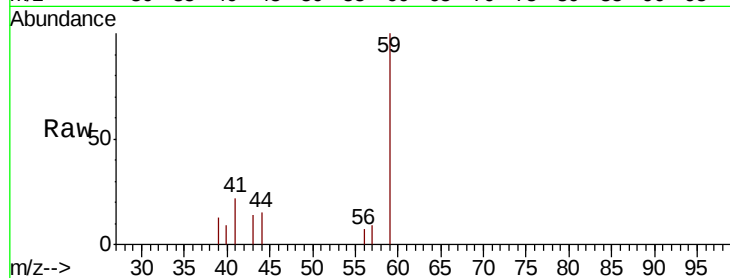


#11

Tert butyl alcohol
 Concen: 22.874 ug/l
 RT: 4.82 min Scan# 946
 Delta R.T. 0.01 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

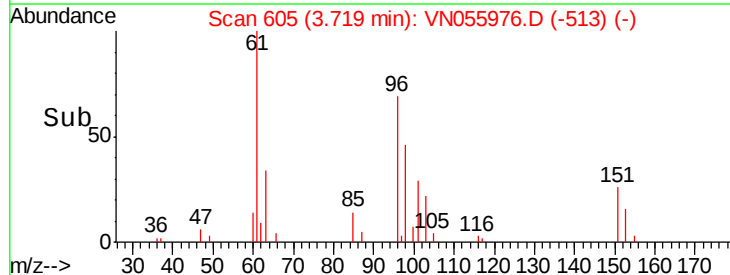
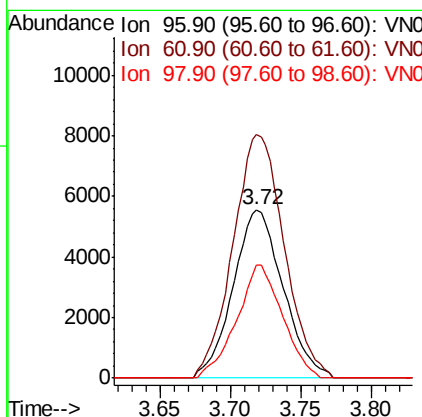
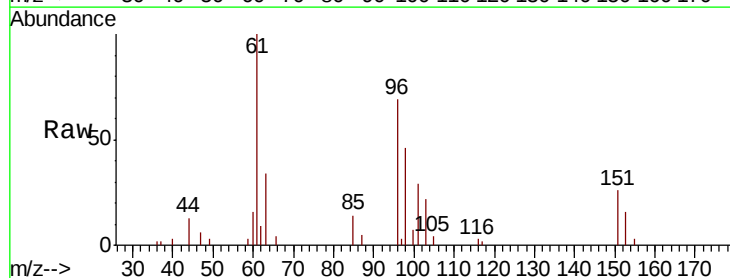
Tot Ion: 59 Resp: 12932
 Ion Ratio Lower Upper
 59 100
 57 5.2 7.8 11.6#

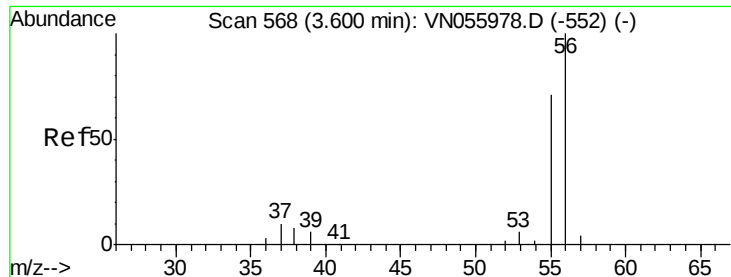


#12

1,1-Dichloroethene
 Concen: 5.002 ug/l
 RT: 3.72 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 96 Resp: 13739
 Ion Ratio Lower Upper
 96 100
 61 144.5 123.2 184.8
 98 66.8 50.4 75.6





#13

Acrolein

Concen: 24.470 ug/l

RT: 3.60 min Scan# 568

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

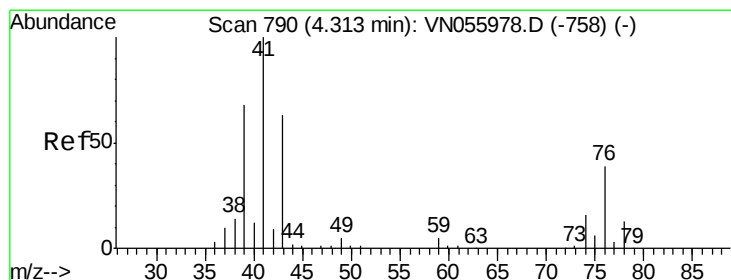
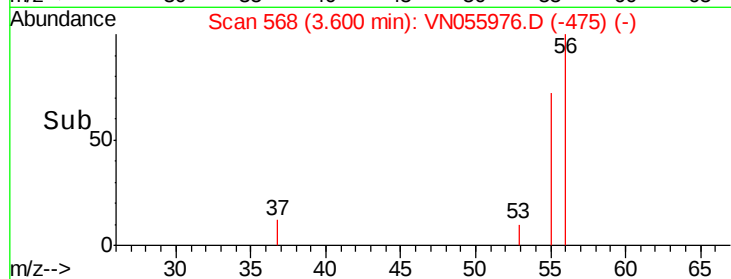
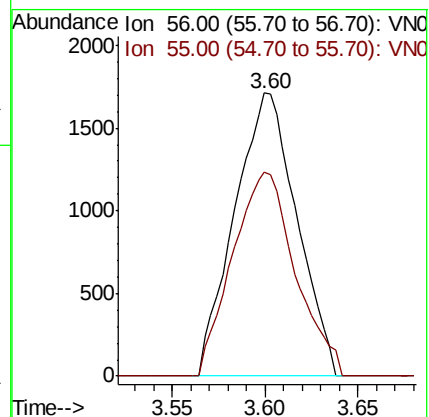
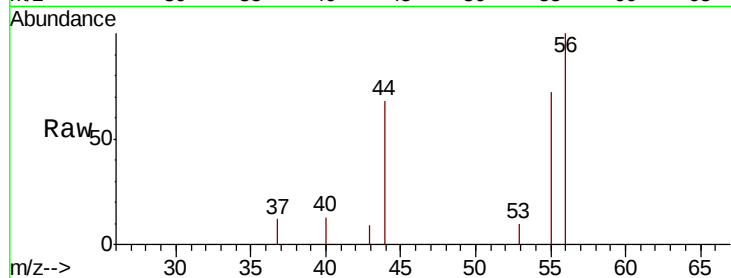
VSTDIC005

Tot Ion: 56 Resp: 3990

Ion Ratio Lower Upper

56 100

55 72.9 55.4 83.2



#14

Allyl chloride

Concen: 4.655 ug/l

RT: 4.31 min Scan# 789

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

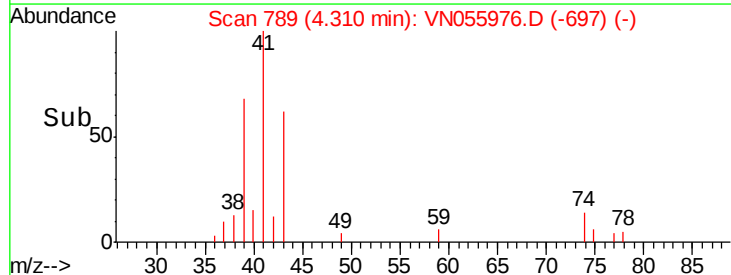
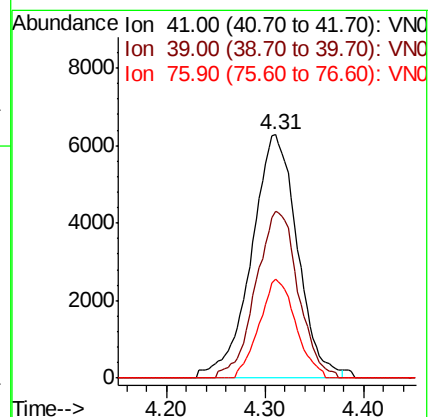
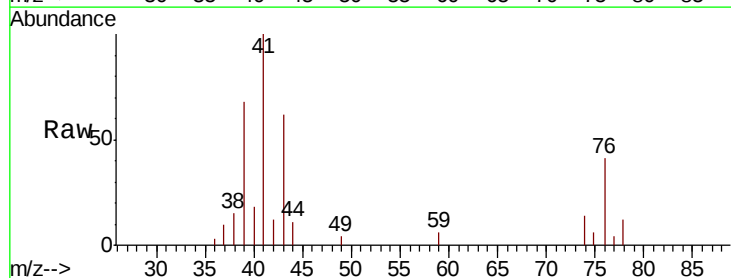
Tgt Ion: 41 Resp: 20189

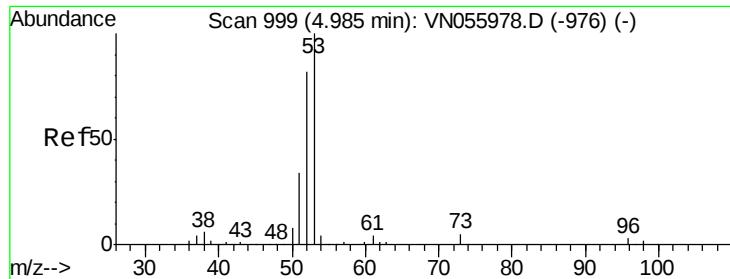
Ion Ratio Lower Upper

41 100

39 63.6 50.0 75.0

76 32.4 28.2 42.2





#15

Acrylonitrile

Concen: 24.608 ug/l

RT: 4.99 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

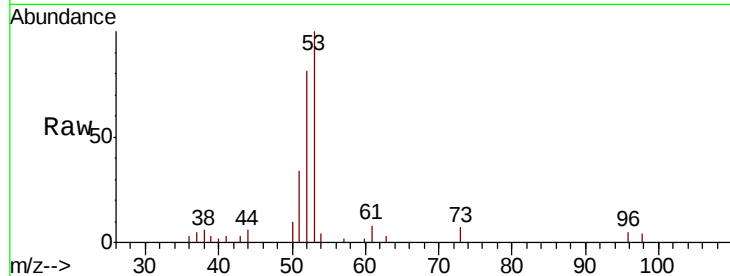
Tot Ion: 53 Resp: 33866

Ion Ratio Lower Upper

53 100

52 82.2 65.8 98.8

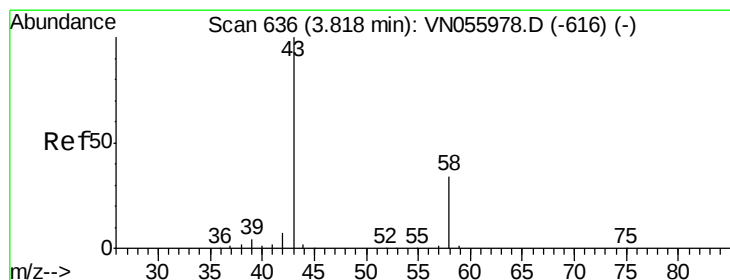
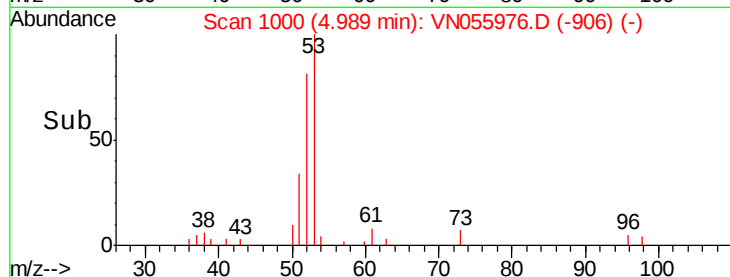
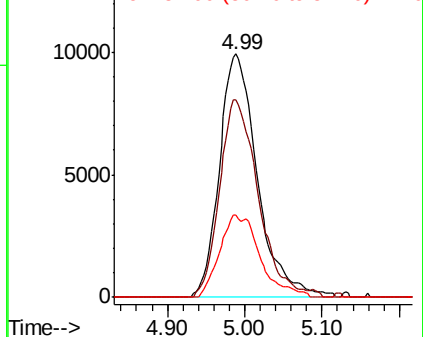
51 19.0 28.2 42.4#



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: 23.900 ug/l

RT: 3.82 min Scan# 636

Delta R.T. 0.00 min

Lab File: VN055976.D

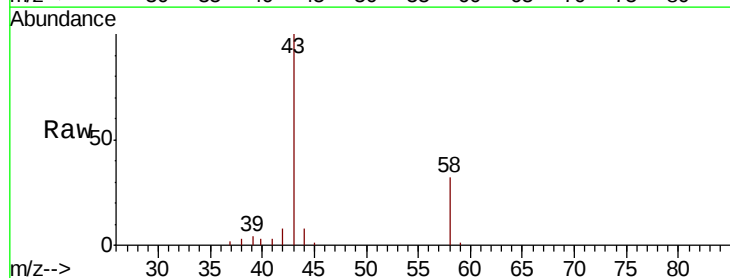
Acq: 4 Jun 2019 8:47

Tgt Ion: 43 Resp: 37135

Ion Ratio Lower Upper

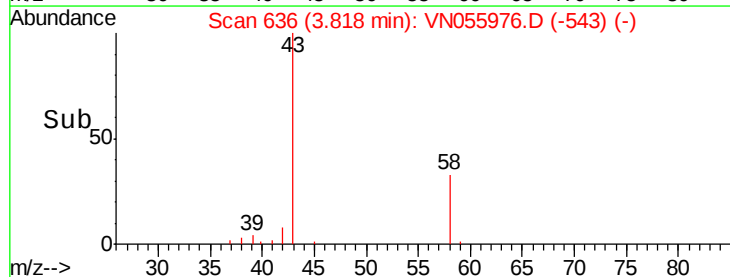
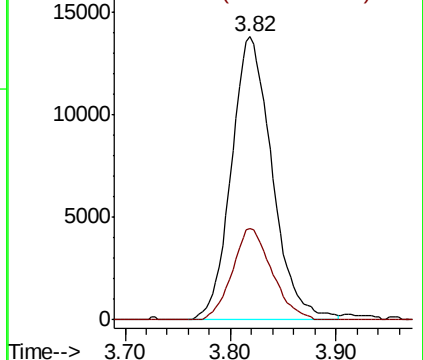
43 100

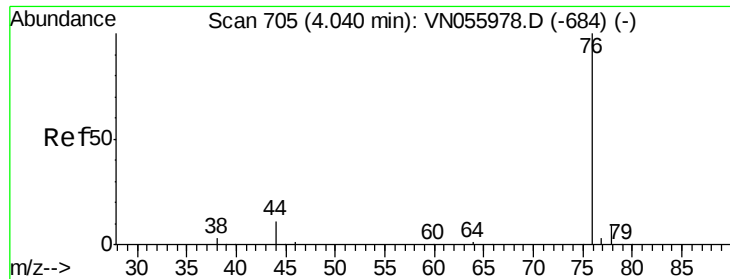
58 32.3 26.6 39.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

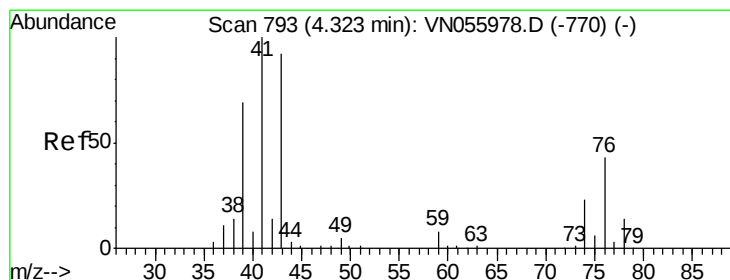
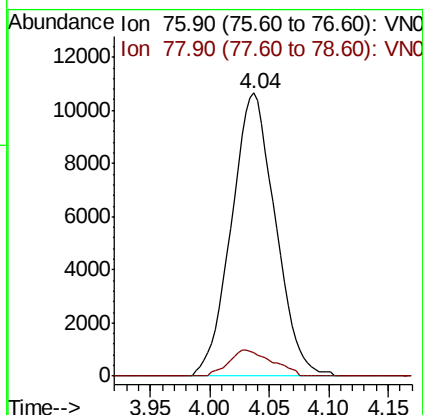
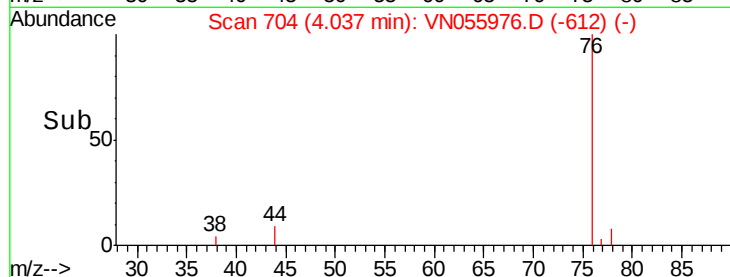
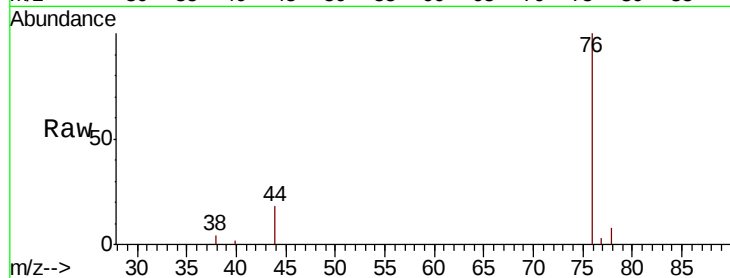




#17
Carbon Disulfide
Concen: 4.147 ug/l
RT: 4.04 min Scan# 704
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

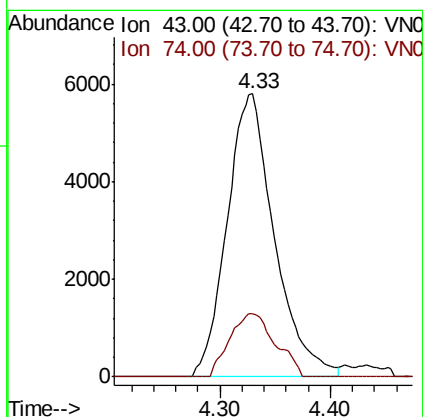
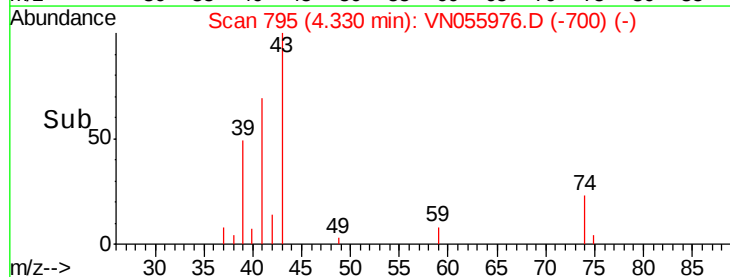
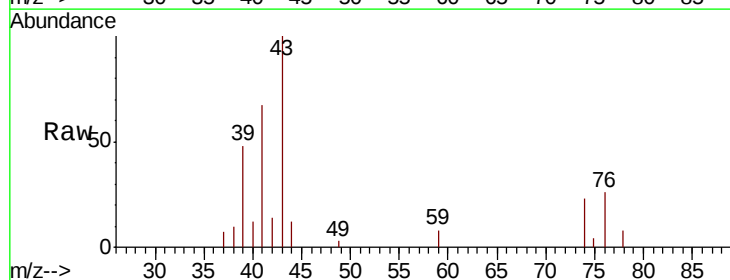
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

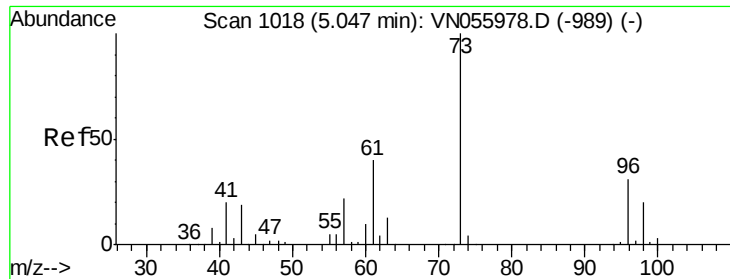
Tot Ion: 76 Resp: 27276
Ion Ratio Lower Upper
76 100
78 8.2 7.4 11.2



#18
Methyl Acetate
Concen: 5.142 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 43 Resp: 17278
Ion Ratio Lower Upper
43 100
74 21.5 19.3 28.9

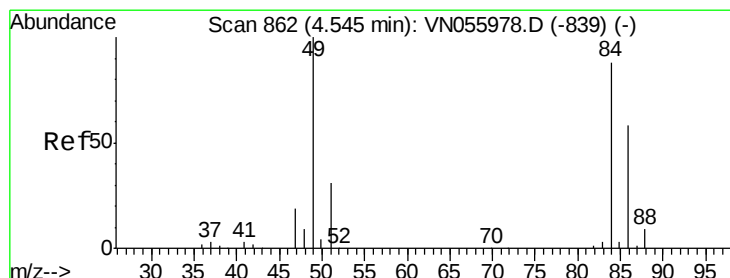
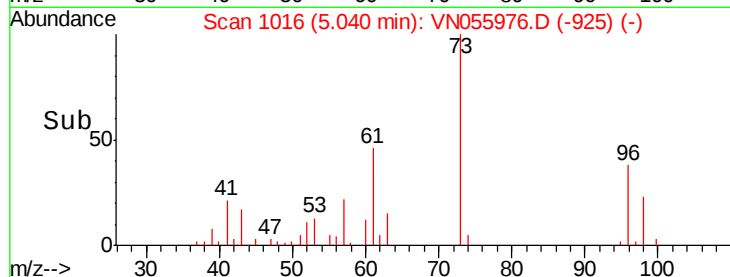
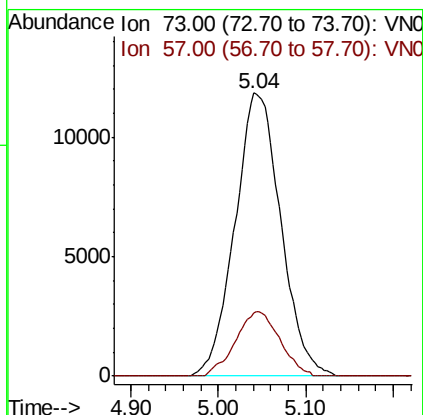
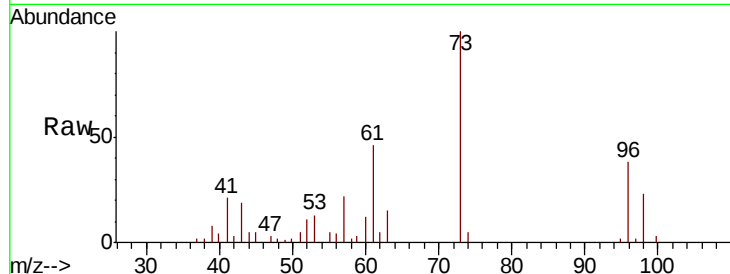




#19
Methvl tert-butvl Ether
Concen: 4.921 ug/l
RT: 5.04 min Scan# 1016
Delta R.T. -0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

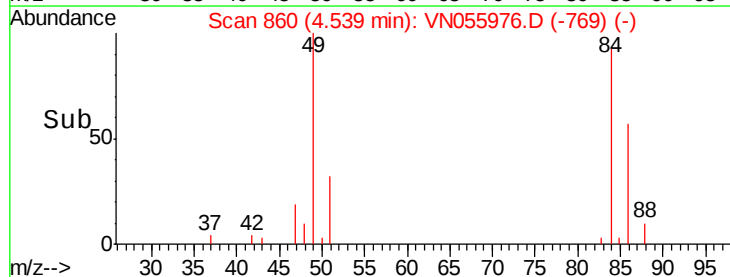
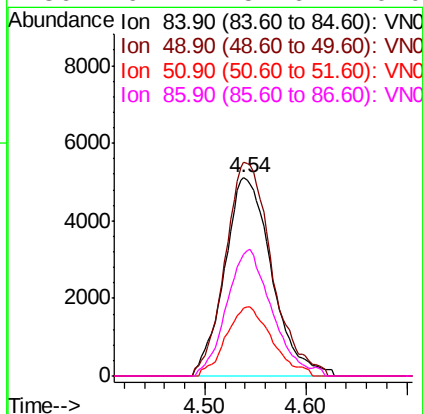
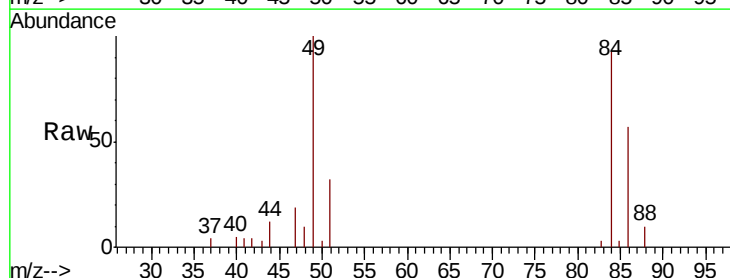
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

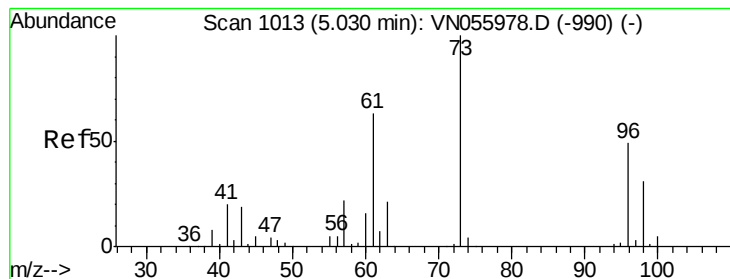
Tot Ion: 73 Resp: 43086
Ion Ratio Lower Upper
73 100
57 22.1 17.8 26.8



#20
Methylene Chloride
Concen: 5.184 ug/l
RT: 4.54 min Scan# 860
Delta R.T. -0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 84 Resp: 16596
Ion Ratio Lower Upper
84 100
49 107.8 93.5 140.3
51 34.1 28.6 43.0
86 61.2 52.6 79.0





#21

trans-1,2-Dichloroethene

Concen: 4.953 ug/l

RT: 5.04 min Scan# 1015

Delta R.T. 0.01 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

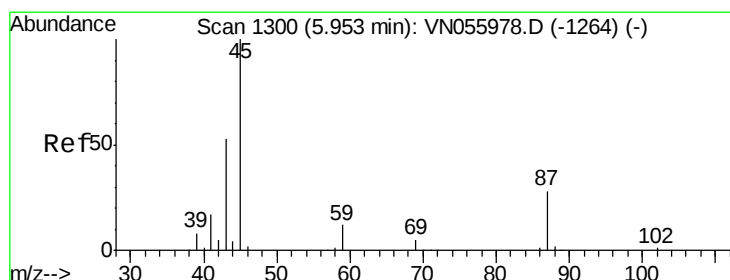
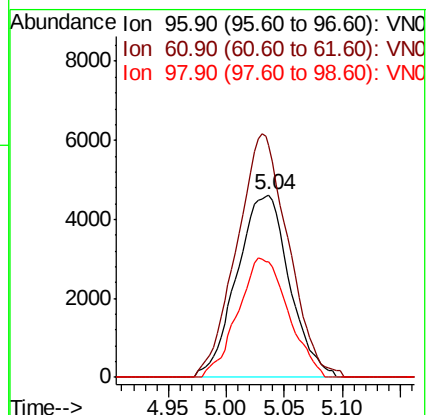
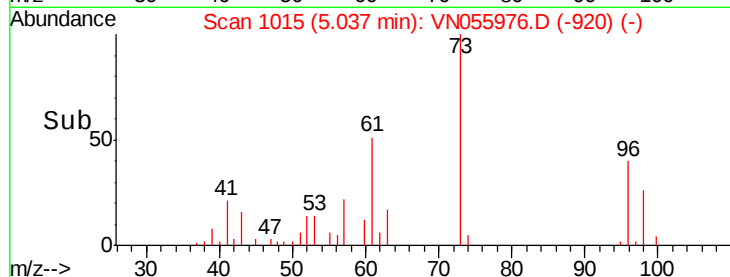
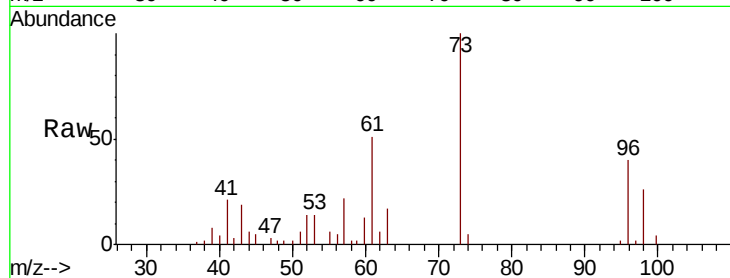
Tot Ion: 96 Resp: 14576

Ion Ratio Lower Upper

96 100

61 127.2 107.8 161.8

98 63.1 49.8 74.8



#22

Diisopropyl ether

Concen: 4.884 ug/l

RT: 5.95 min Scan# 1299

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion: 45 Resp: 43787

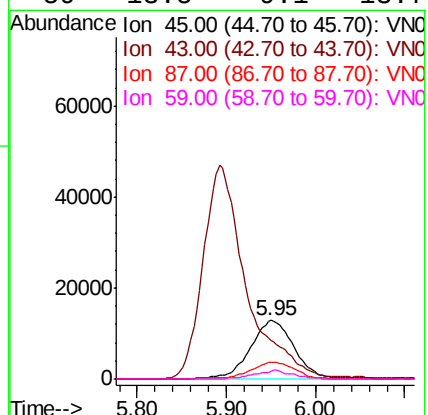
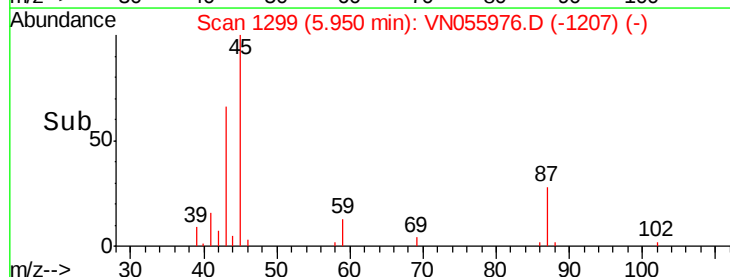
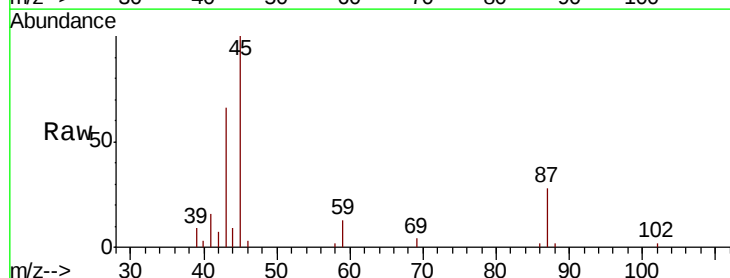
Ion Ratio Lower Upper

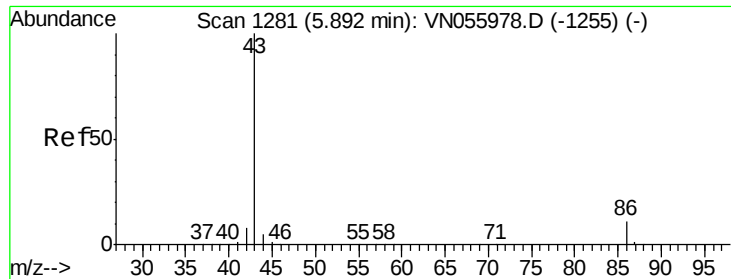
45 100

43 61.9 45.0 67.6

87 28.0 22.2 33.4

59 13.5 9.1 13.7





#23

Vinyl Acetate

Concen: 22.522 ug/l

RT: 5.89 min Scan# 1281

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

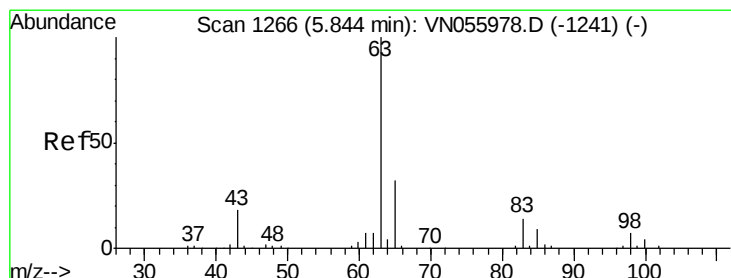
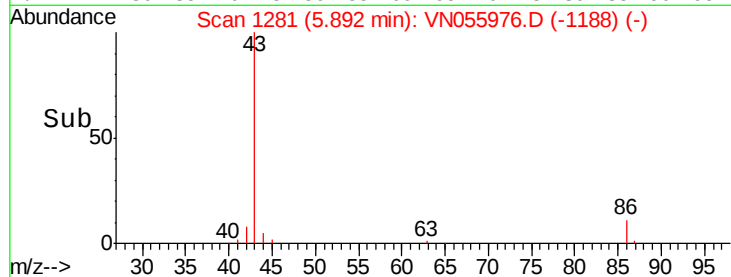
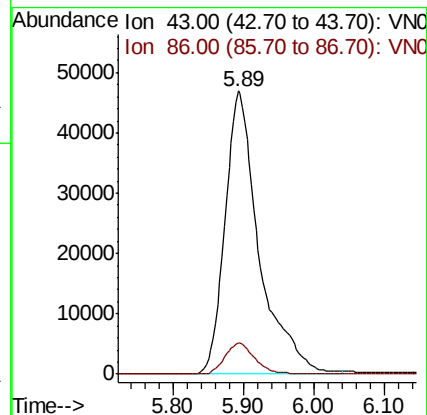
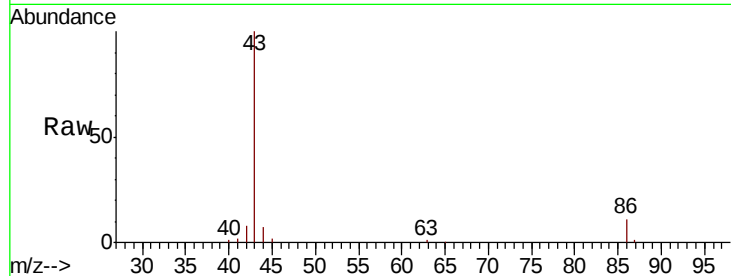
VSTDIC005

Tot Ion: 43 Resp: 159019

Ion Ratio Lower Upper

43 100

86 10.9 8.6 13.0



#24

1,1-Dichloroethane

Concen: 5.080 ug/l

RT: 5.84 min Scan# 1266

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

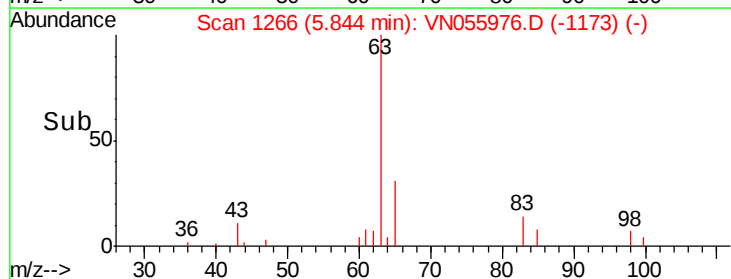
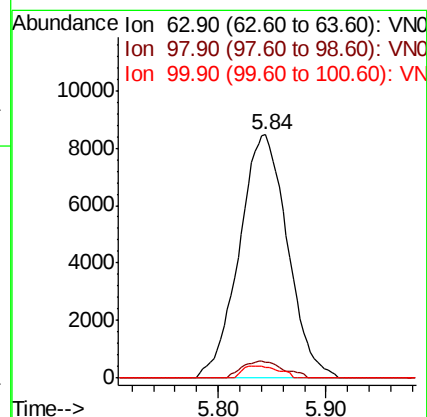
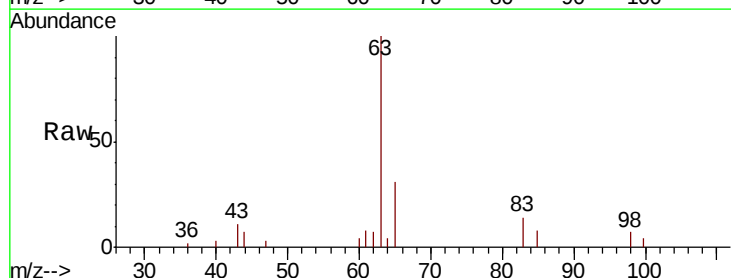
Tgt Ion: 63 Resp: 26274

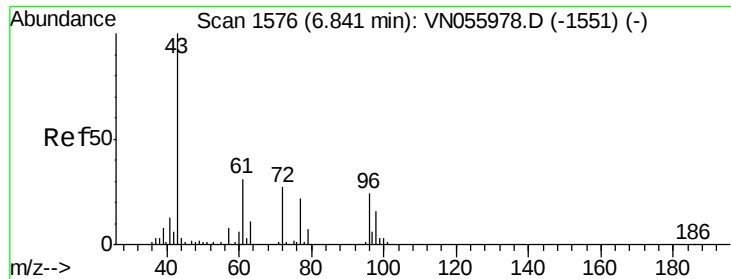
Ion Ratio Lower Upper

63 100

98 6.7 3.4 10.1

100 4.4 2.2 6.6

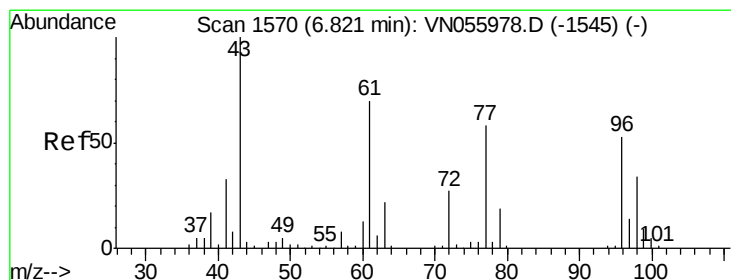
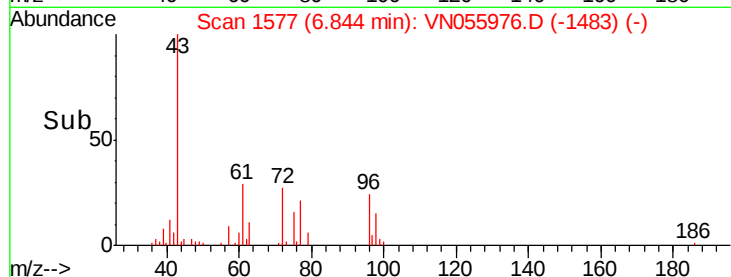
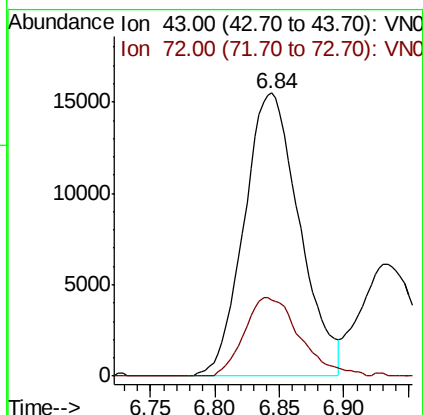
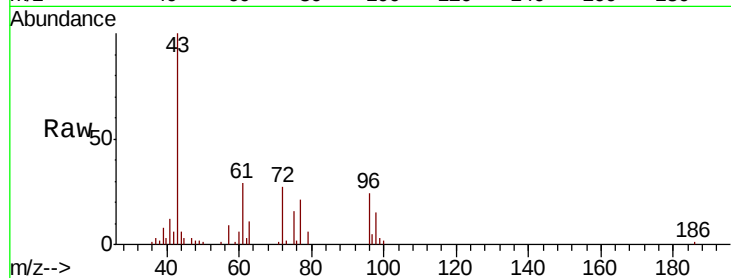




#25
2-Butanone
Concen: 23.631 ug/l
RT: 6.84 min Scan# 1577
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

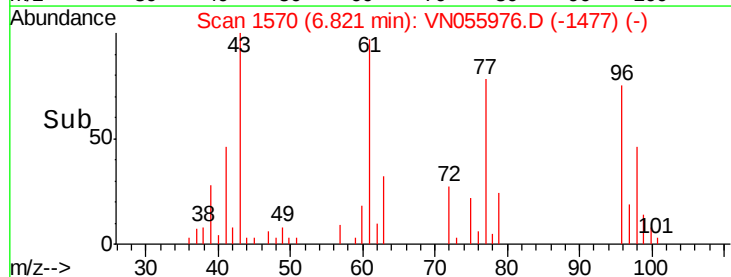
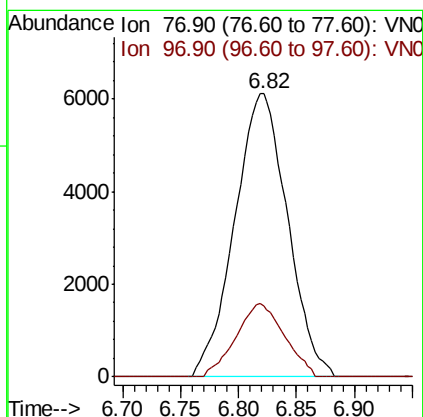
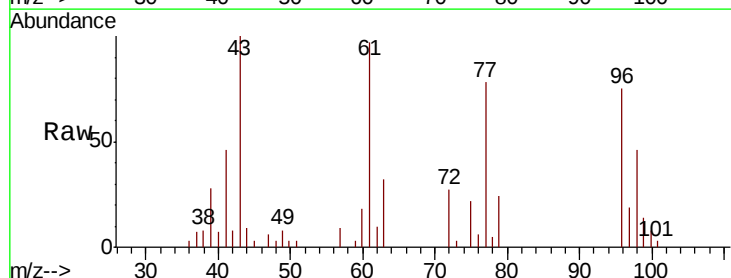
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

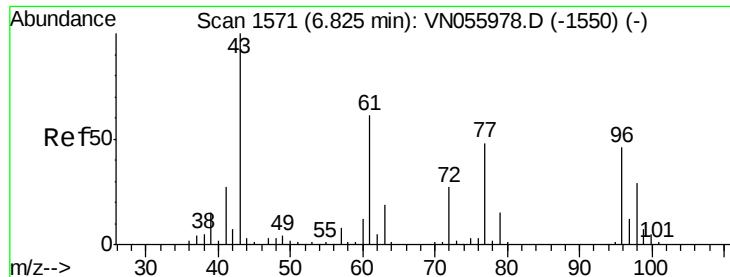
Tot Ion: 43 Resp: 46392
Ion Ratio Lower Upper
43 100
72 26.9 21.9 32.9



#26
2,2-Dichloropropane
Concen: 4.801 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 77 Resp: 19374
Ion Ratio Lower Upper
77 100
97 23.7 12.2 36.6





#27

cis-1,2-Dichloroethene

Concen: 5.049 ug/l

RT: 6.83 min Scan# 1573

Delta R.T. 0.01 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

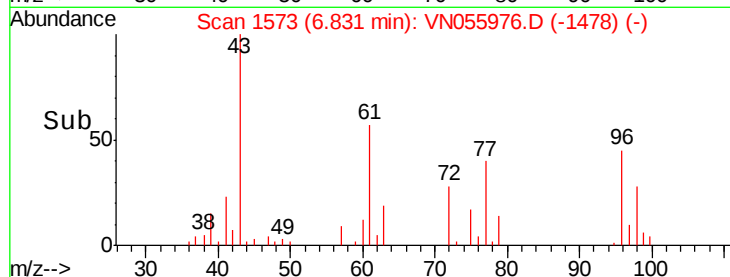
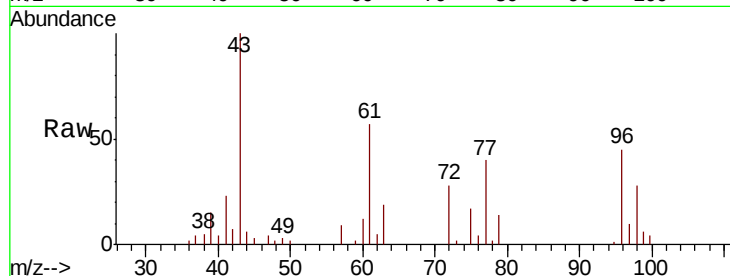
Tot Ion: 96 Resp: 17467

Ion Ratio Lower Upper

96 100

61 131.3 0.0 275.8

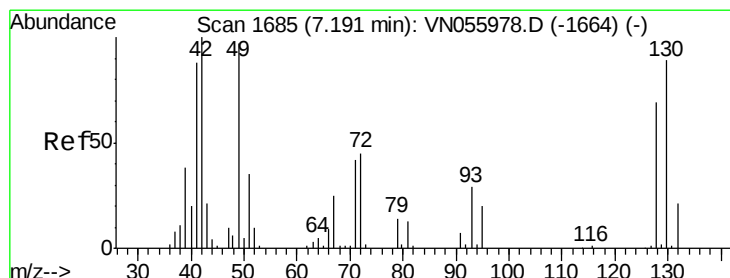
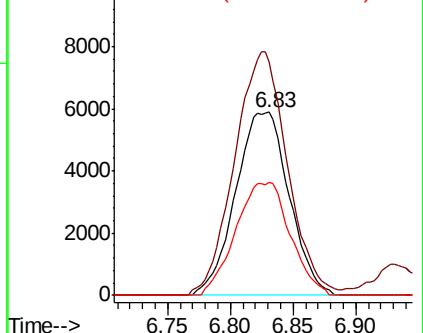
98 62.7 0.0 128.4



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#28

Bromochloromethane

Concen: 4.737 ug/l

RT: 7.19 min Scan# 1685

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

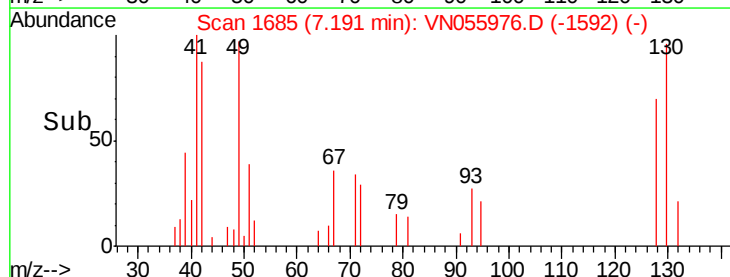
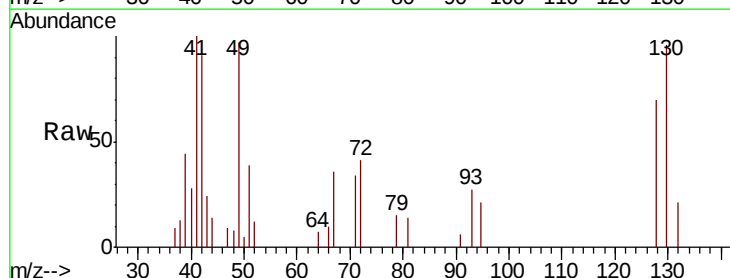
Tgt Ion: 49 Resp: 11585

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.4

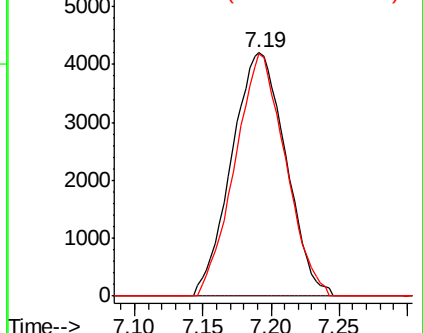
130 93.0 71.2 106.8

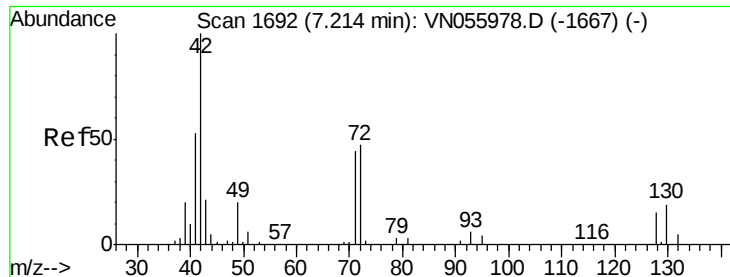


Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): V

Ion 129.80 (129.50 to 130.50): V





#29

Tetrahydrofuran

Concen: 24.980 ug/l

RT: 7.22 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

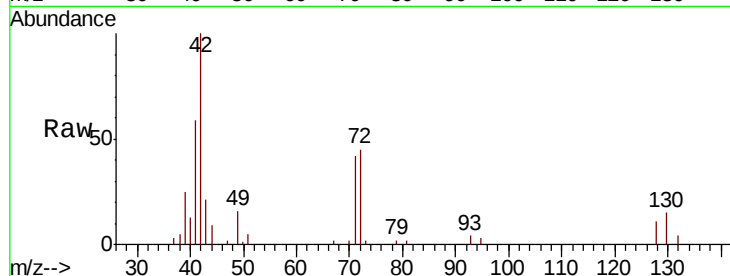
Tot Ion: 42 Resp: 30313

Ion Ratio Lower Upper

42 100

72 44.1 35.9 53.9

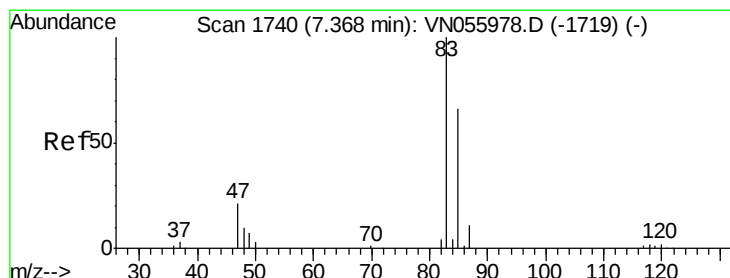
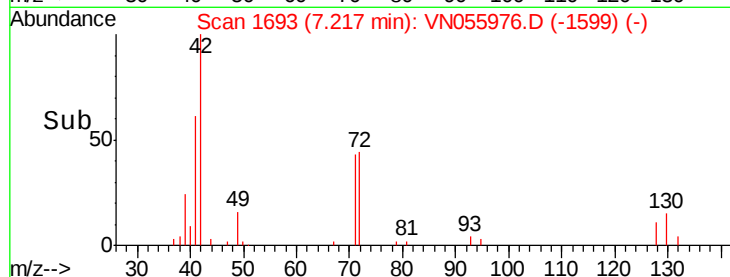
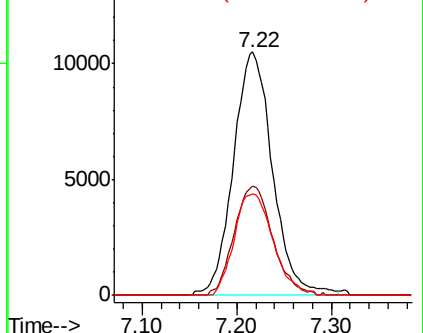
71 41.2 34.0 51.0



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0



#30

Chloroform

Concen: 5.017 ug/l

RT: 7.37 min Scan# 1740

Delta R.T. 0.00 min

Lab File: VN055976.D

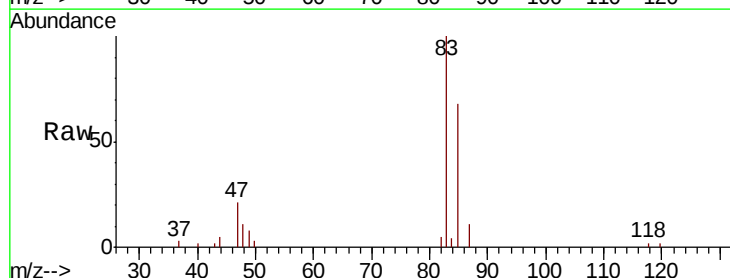
Acq: 4 Jun 2019 8:47

Tgt Ion: 83 Resp: 26101

Ion Ratio Lower Upper

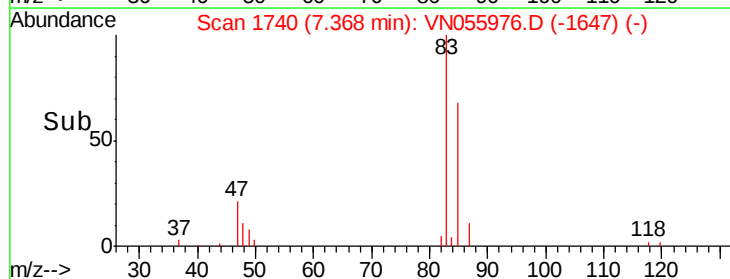
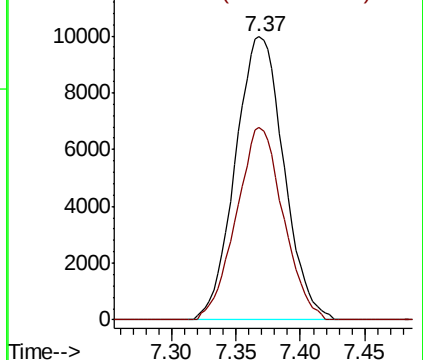
83 100

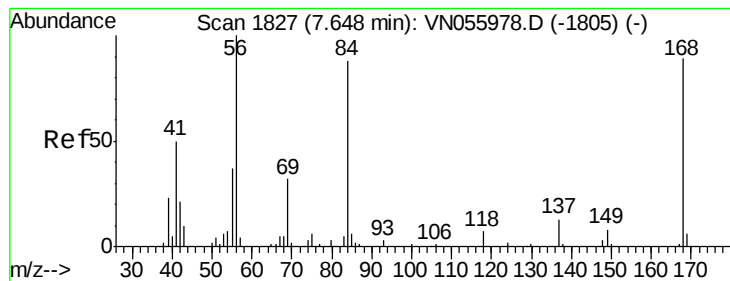
85 68.0 51.8 77.8



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0





#31

Cyclohexane

Concen: 5.558 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

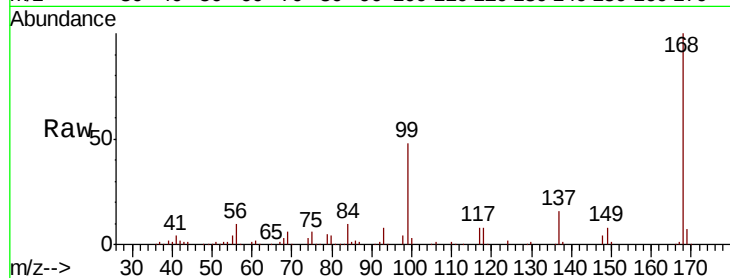
Tot Ion: 56 Resp: 28652

Ion Ratio Lower Upper

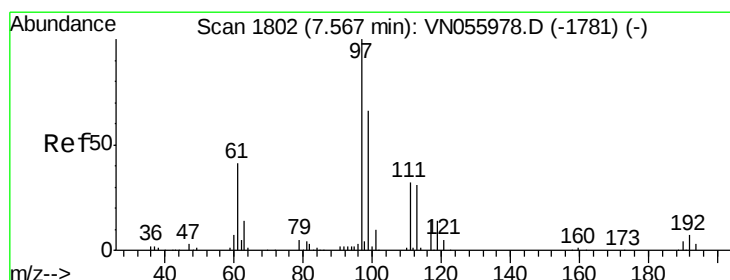
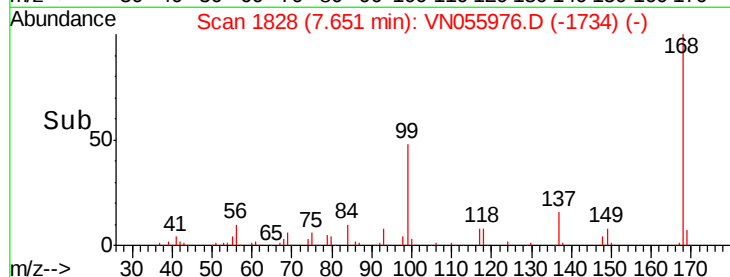
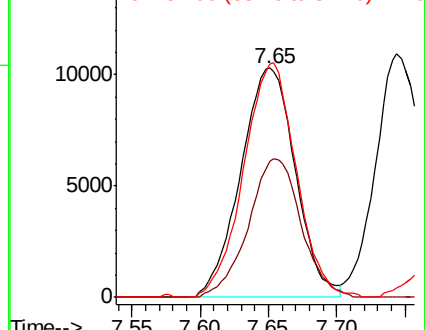
56 100

69 59.2 25.6 38.4#

84 101.5 67.4 101.0#



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: 4.823 ug/l

RT: 7.57 min Scan# 1802

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

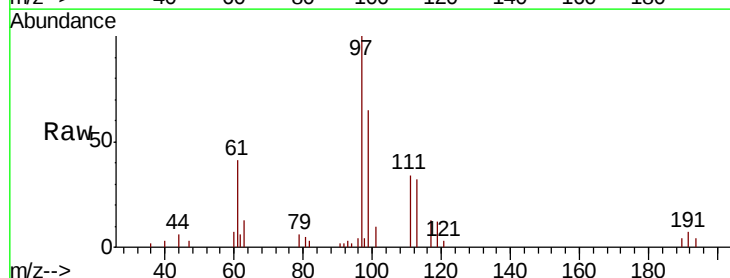
Tgt Ion: 97 Resp: 20955

Ion Ratio Lower Upper

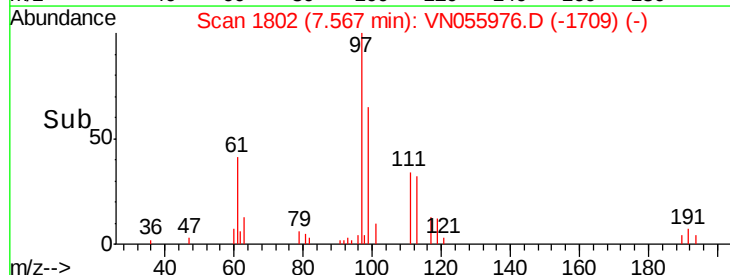
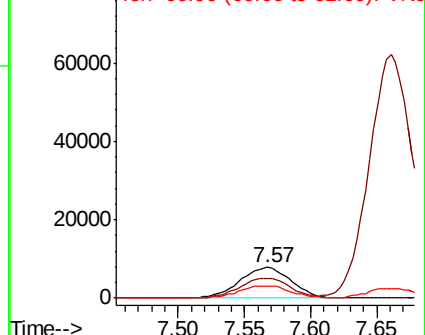
97 100

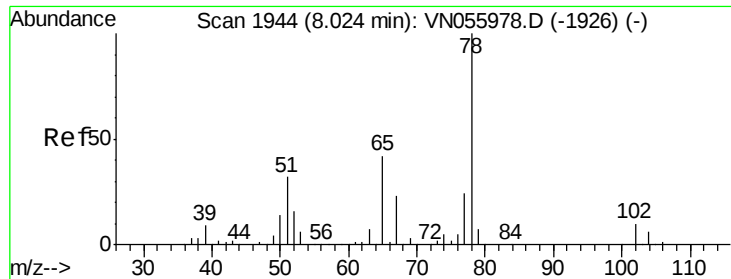
99 64.2 52.0 78.0

61 40.9 32.9 49.3



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

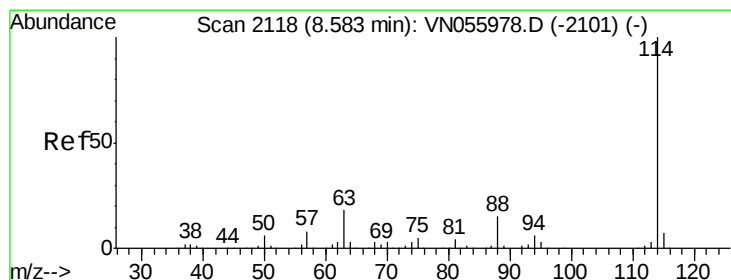
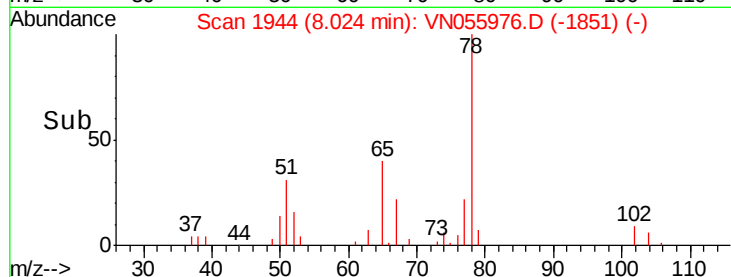
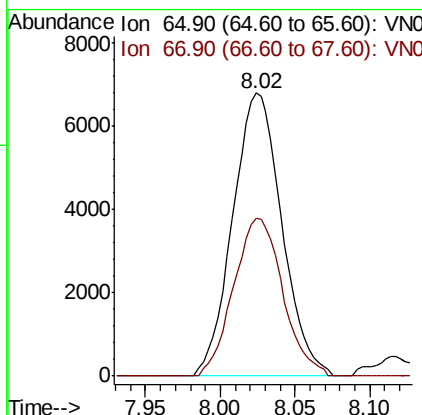
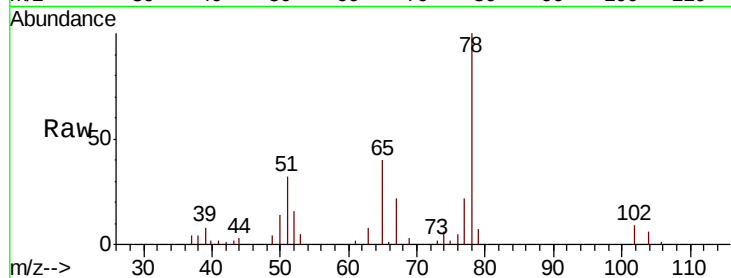




#33
 1,2-Dichloroethane-d4
 Concen: 4.785 ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

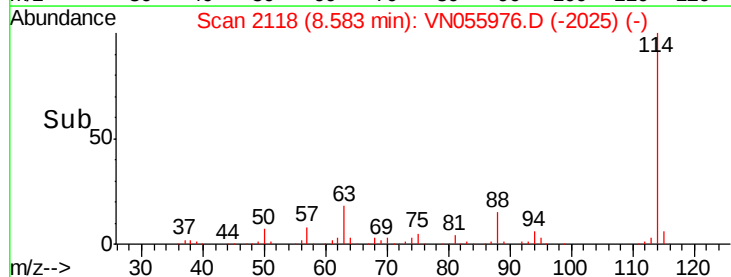
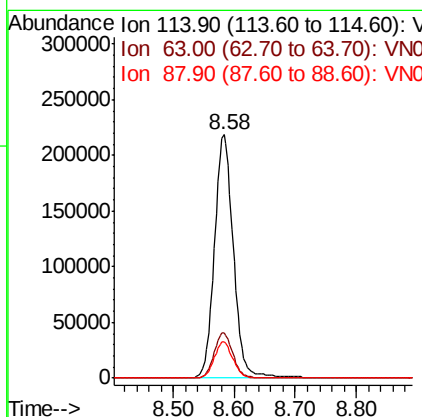
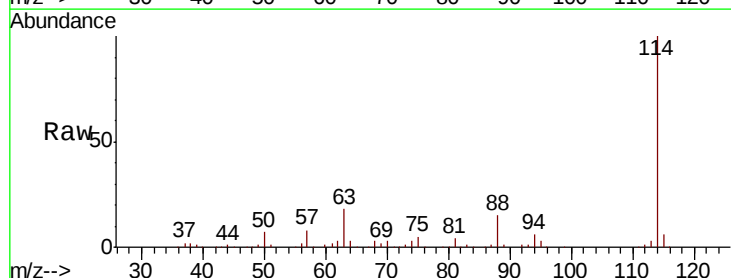
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

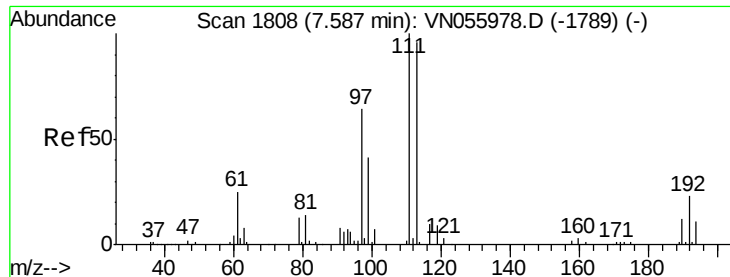
Tot Ion: 65 Resp: 15547
 Ion Ratio Lower Upper
 65 100
 67 55.5 0.0 109.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 114 Resp: 472455
 Ion Ratio Lower Upper
 114 100
 63 18.4 0.0 39.2
 88 14.9 0.0 31.0

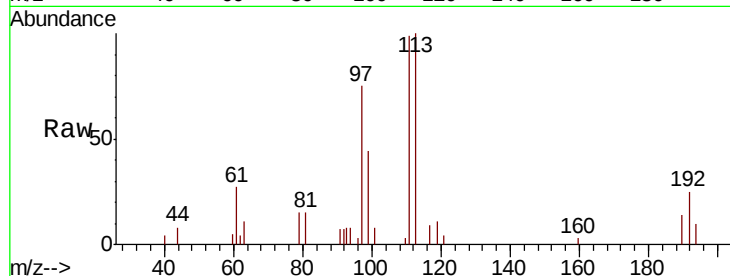




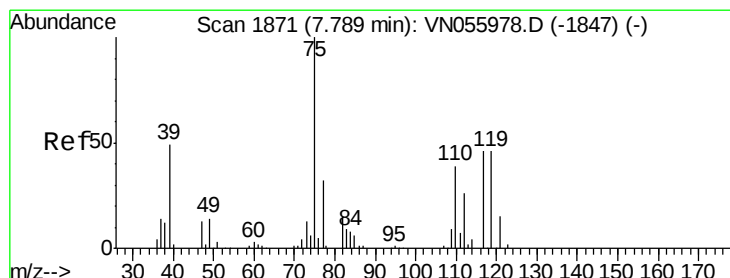
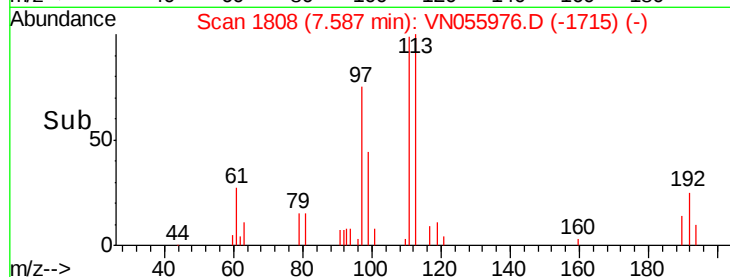
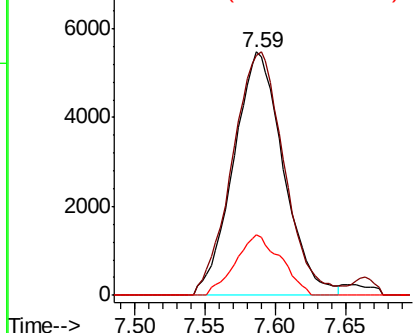
#35
 Dibromofluoromethane
 Concen: 4.677 ug/l
 RT: 7.59 min Scan# 1808
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion	Ratio	Lower	Upper
113	100		
111	103.7	81.9	122.9
192	22.7	19.5	29.3

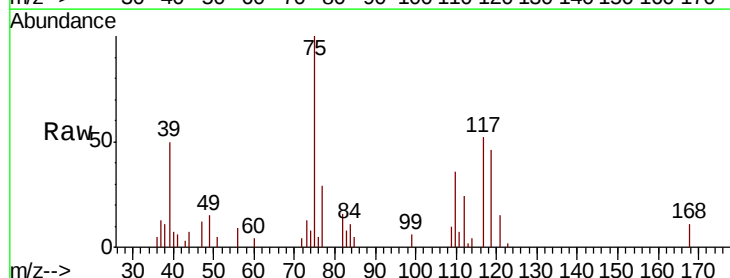


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

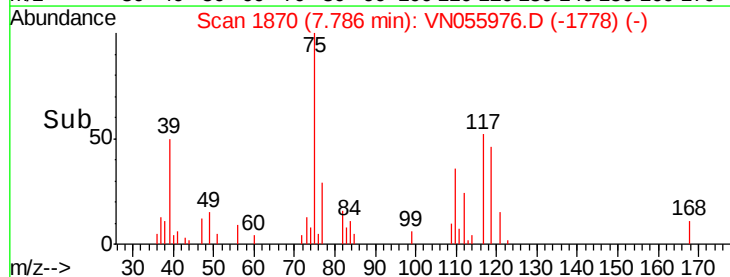
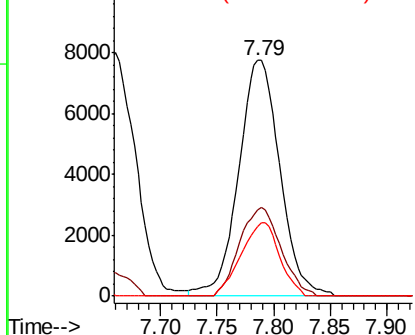


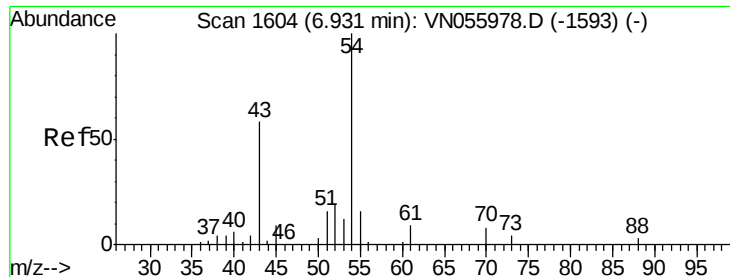
#36
 1,1-Dichloropropene
 Concen: 4.850 ug/l
 RT: 7.79 min Scan# 1870
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion	Ratio	Lower	Upper
75	100		
110	37.2	19.0	57.0
77	29.0	25.1	37.7



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

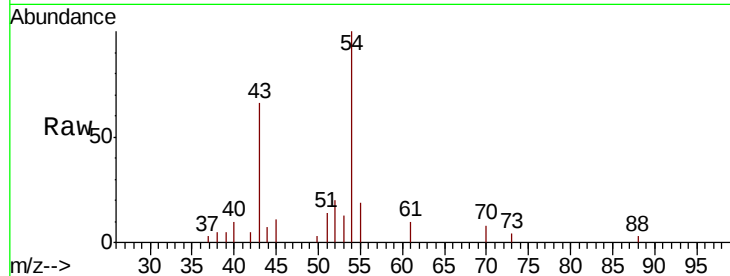




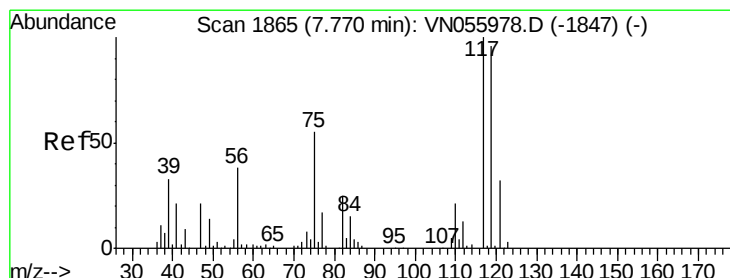
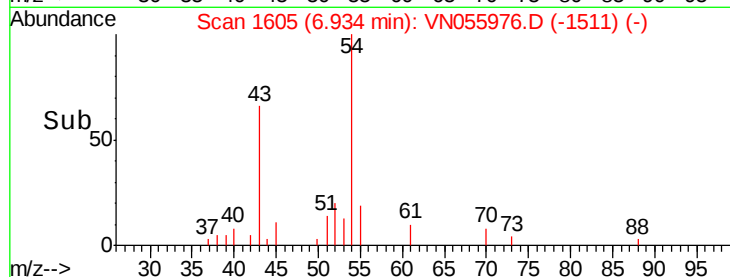
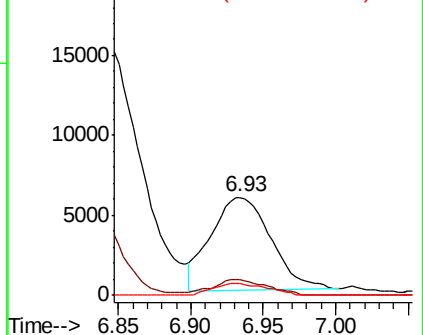
#37
Ethyl Acetate
Concen: 4.638 ug/l
RT: 6.93 min Scan# 1605
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 43 Resp: 16765
Ion Ratio Lower Upper
43 100
61 15.7 12.2 18.2
70 11.4 8.9 13.3

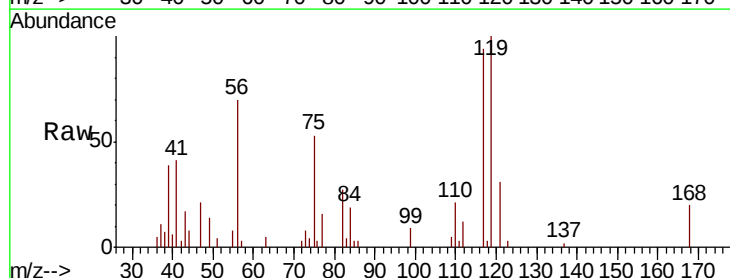


Abundance Ion 43.00 (42.70 to 43.70): VN0
Ion 60.90 (60.60 to 61.60): VN0
Ion 70.00 (69.70 to 70.70): VN0

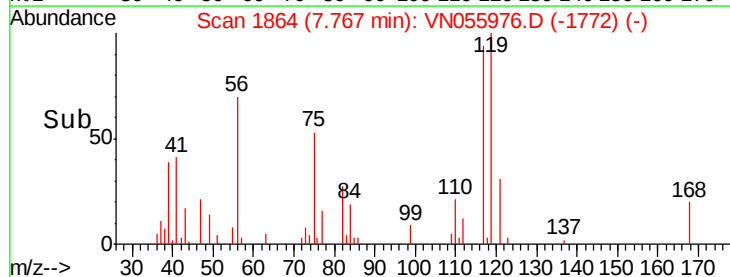
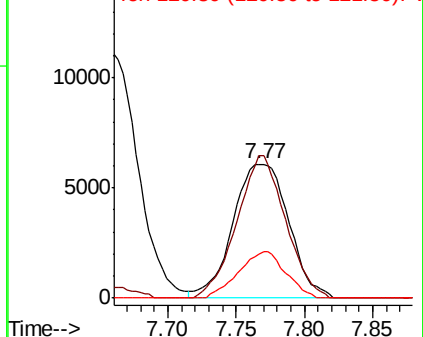


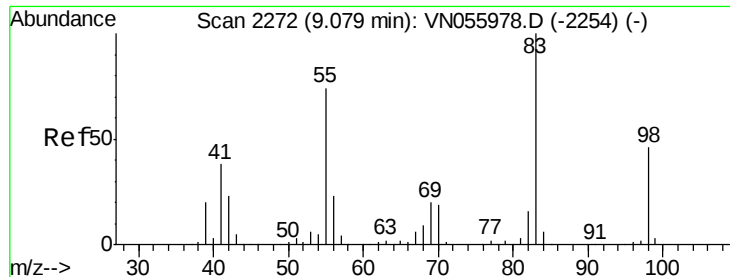
#38
Carbon Tetrachloride
Concen: 4.609 ug/l
RT: 7.77 min Scan# 1864
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 117 Resp: 17264
Ion Ratio Lower Upper
117 100
119 106.0 79.0 118.6
121 33.1 24.7 37.1



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

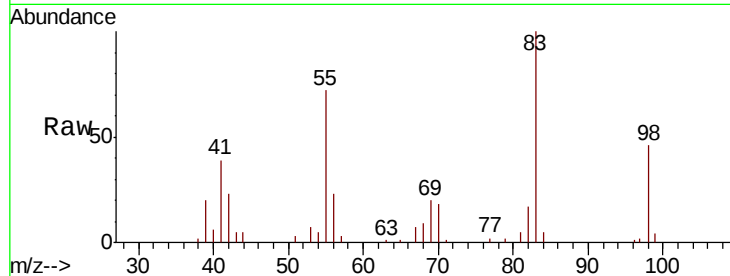




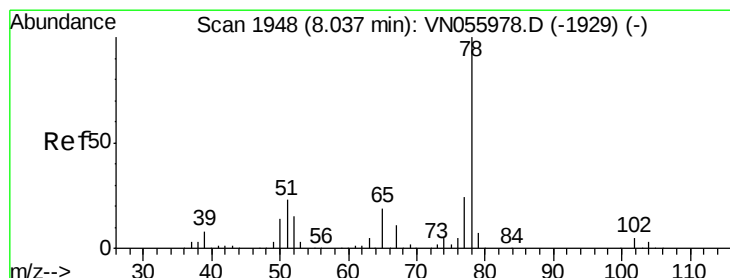
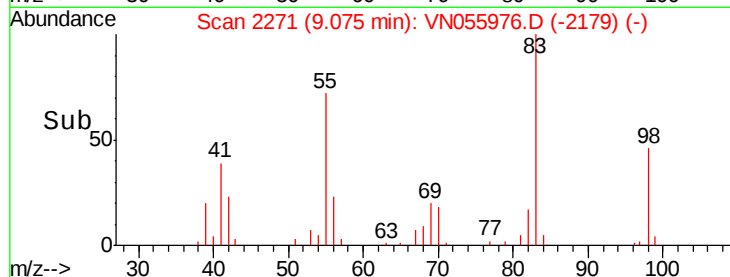
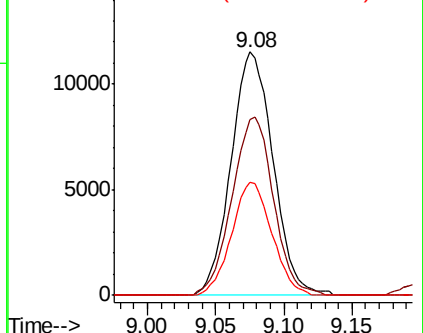
#39
Methvlcvclohexane
Concen: 4.883 ug/l
RT: 9.08 min Scan# 2271
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion: 83 Resp: 24711
Ion Ratio Lower Upper
83 100
55 72.1 59.3 88.9
98 46.5 36.6 54.8

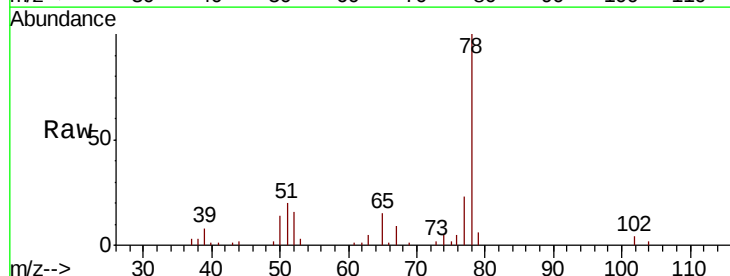


Abundance Ion 83.00 (82.70 to 83.70): VN0
Ion 55.00 (54.70 to 55.70): VN0
Ion 98.00 (97.70 to 98.70): VN0

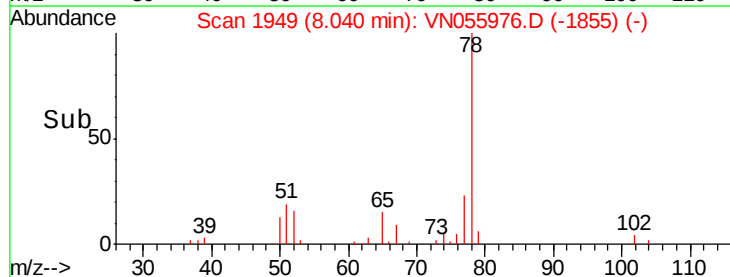
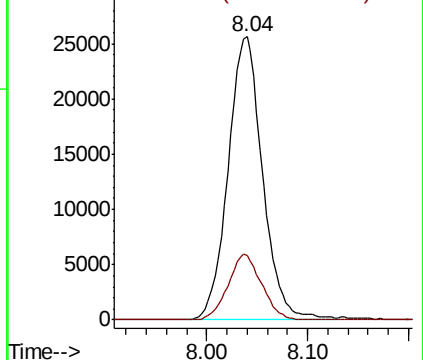


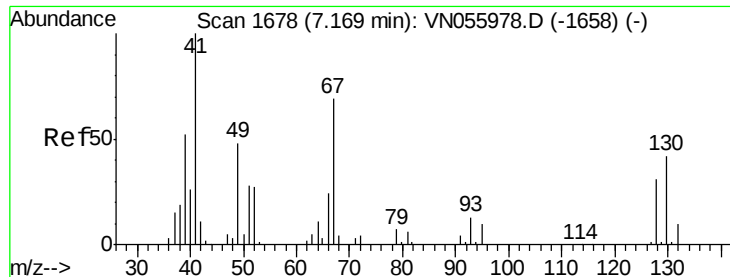
#40
Benzene
Concen: 4.938 ug/l
RT: 8.04 min Scan# 1949
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 78 Resp: 60929
Ion Ratio Lower Upper
78 100
77 22.8 18.8 28.2



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

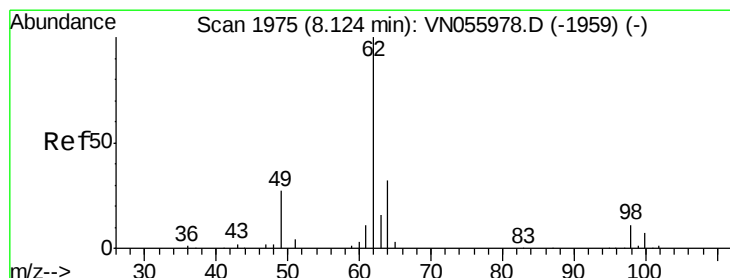
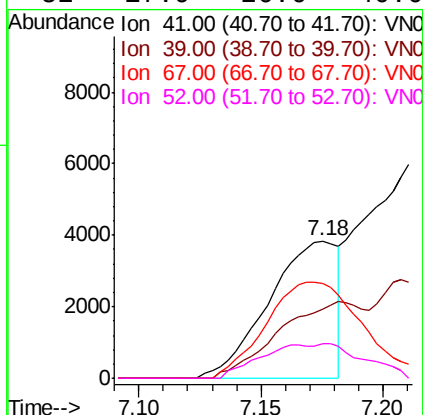
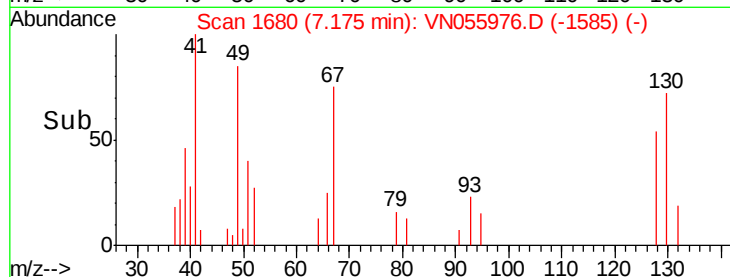
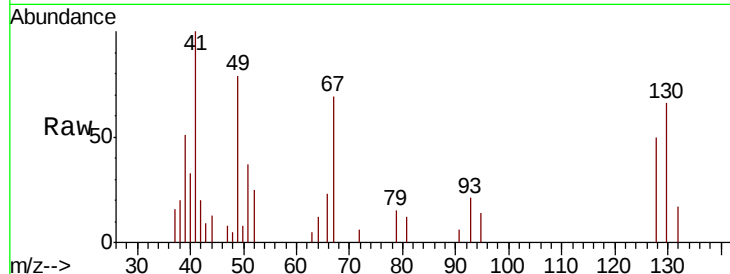




#41
Methacrylonitrile
Concen: 4.519 ug/l
RT: 7.18 min Scan# 1680
Delta R.T. 0.01 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

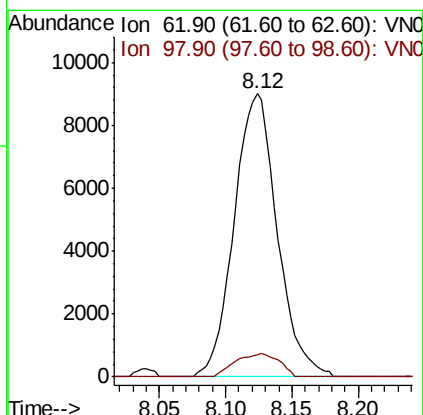
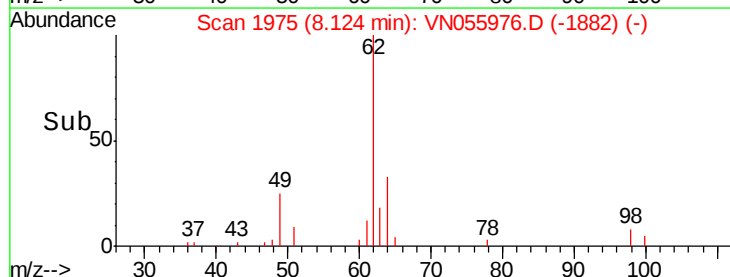
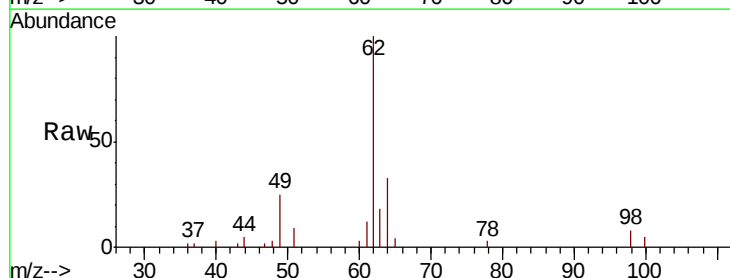
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

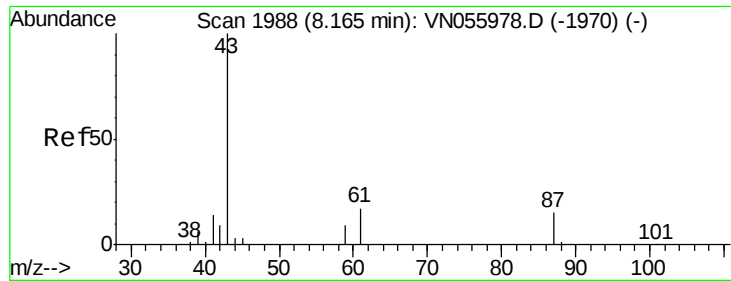
Tot Ion: 41 Resp: 7516
Ion Ratio Lower Upper
41 100
39 70.2 45.6 68.4#
67 99.1 67.7 101.5
52 17.9 26.6 40.0#



#42
1,2-Dichloroethane
Concen: 5.131 ug/l
RT: 8.12 min Scan# 1975
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 62 Resp: 20365
Ion Ratio Lower Upper
62 100
98 8.4 0.0 20.2





#43

Isopropyl Acetate

Concen: 4.636 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

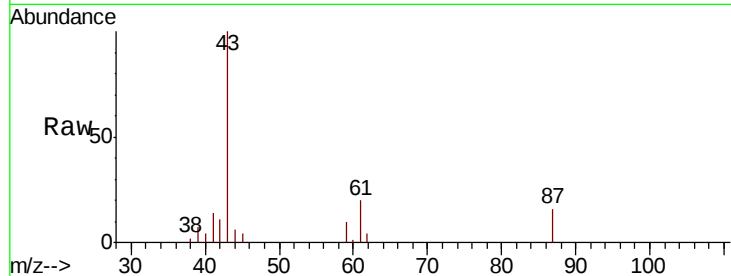
MSVOA_N

ClientSampleId :

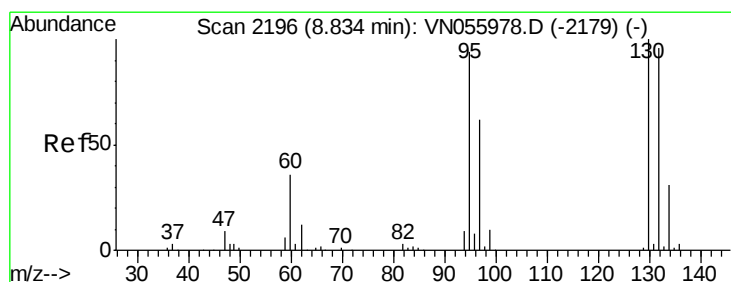
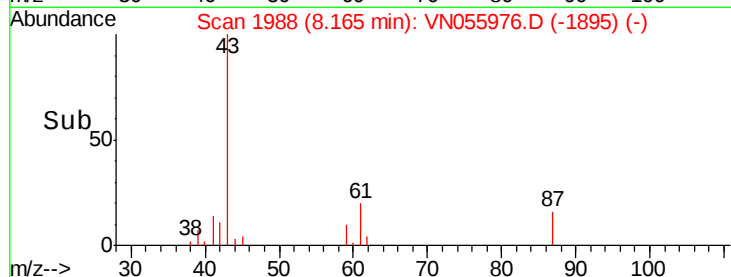
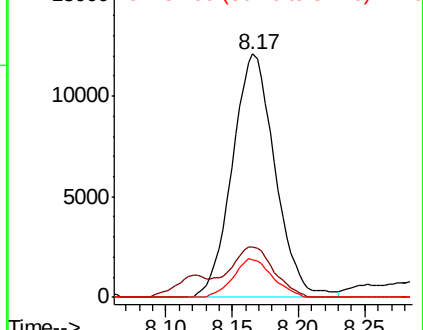
VSTDIC005

Tot Ion: 43 Resp: 27152

Ion	Ratio	Lower	Upper
43	100		
61	20.0	22.2	33.4#
87	14.6	11.4	17.2



Abundance Ion 43.00 (42.70 to 43.70): VN055976.D (-1970) (-)



#44

Trichloroethene

Concen: 4.978 ug/l

RT: 8.83 min Scan# 2195

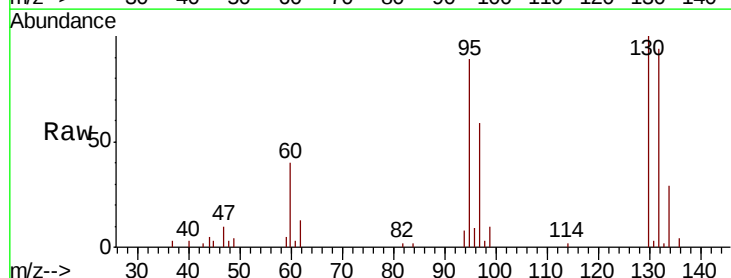
Delta R.T. -0.00 min

Lab File: VN055976.D

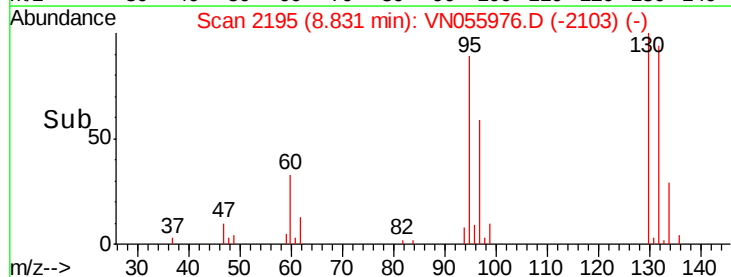
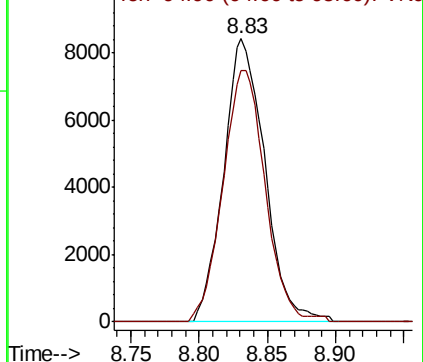
Acq: 4 Jun 2019 8:47

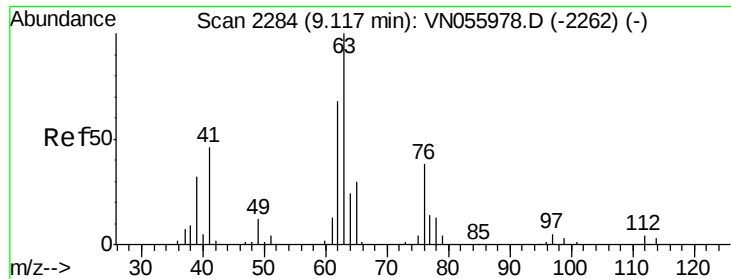
Tgt Ion: 130 Resp: 17650

Ion	Ratio	Lower	Upper
130	100		
95	88.9	0.0	188.0



Abundance Ion 129.80 (129.50 to 130.50): VN055976.D (-2103) (-)

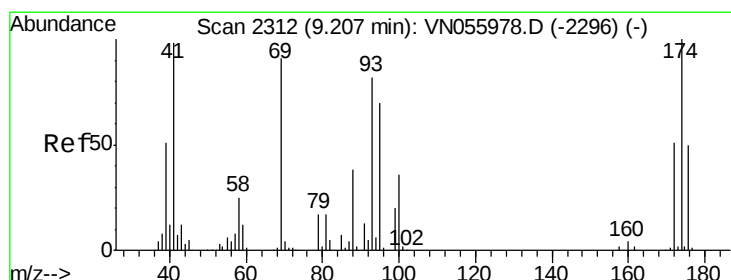
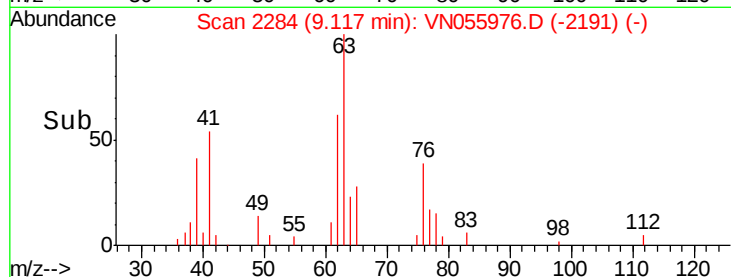
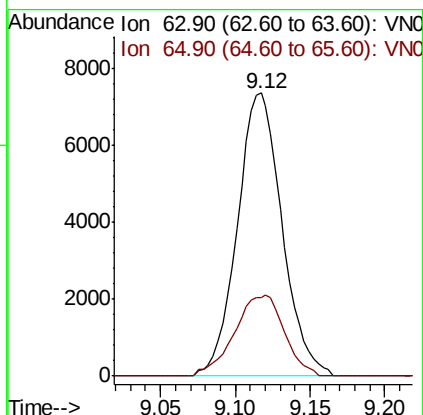
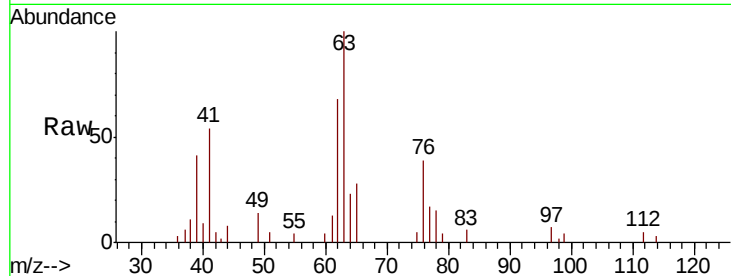




#45
 1,2-Dichloropropane
 Concen: 4.830 ug/l
 RT: 9.12 min Scan# 2284
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

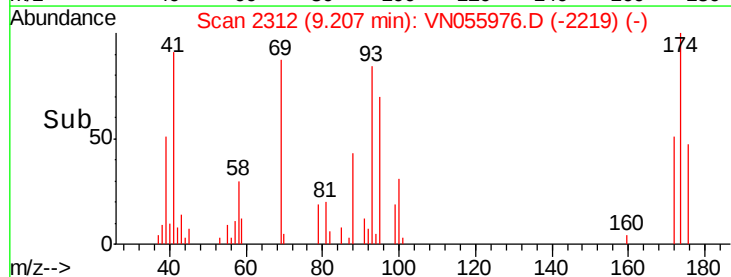
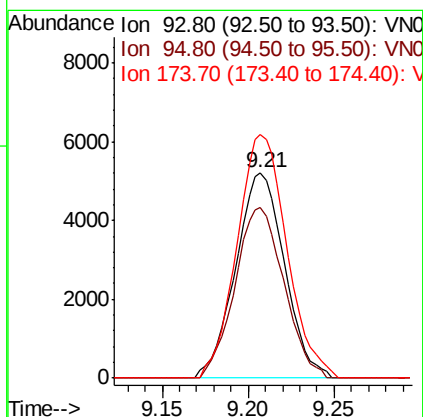
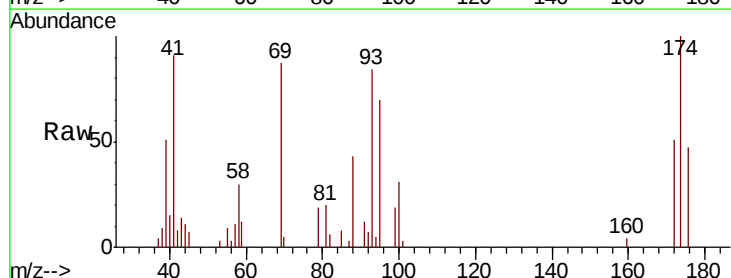
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

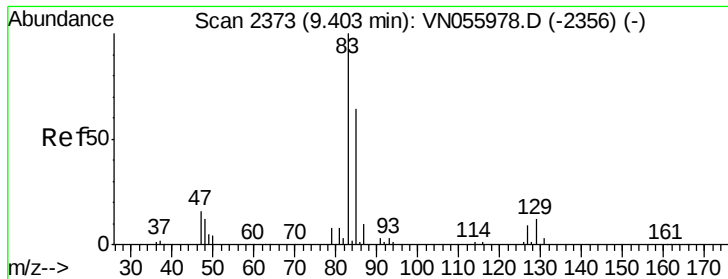
Tot Ion: 63 Resp: 15264
 Ion Ratio Lower Upper
 63 100
 65 27.8 24.6 36.8



#46
 Dibromomethane
 Concen: 4.967 ug/l
 RT: 9.21 min Scan# 2312
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 93 Resp: 10265
 Ion Ratio Lower Upper
 93 100
 95 83.2 66.7 100.1
 174 120.9 96.4 144.6





#47

Bromodichloromethane

Concen: 4.508 ug/l

RT: 9.40 min Scan# 2372

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

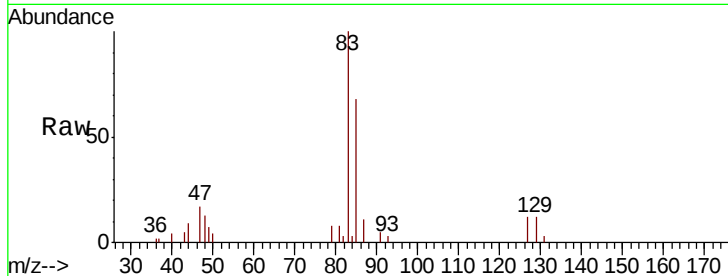
Tot Ion: 83 Resp: 16884

Ion Ratio Lower Upper

83 100

85 67.7 52.2 78.2

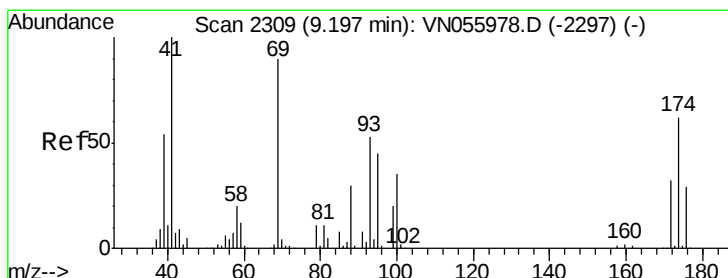
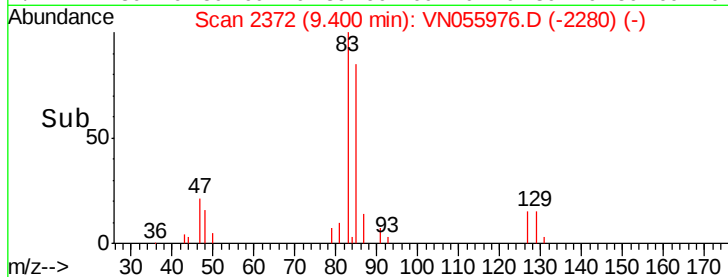
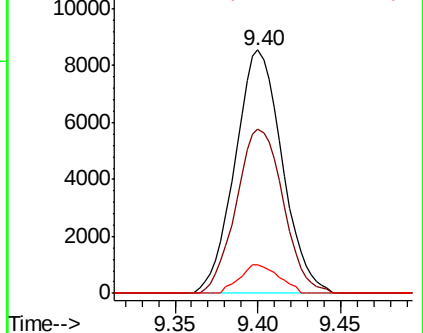
127 12.0 7.4 11.0#



Abundance Ion 82.90 (82.60 to 83.60): VN055976.D (-2356) (-)

Ion 84.90 (84.60 to 85.60): VN055976.D (-2356) (-)

Ion 126.80 (126.50 to 127.50): VN055976.D (-2356) (-)



#48

Methyl methacrylate

Concen: 4.845 ug/l

RT: 9.20 min Scan# 2309

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

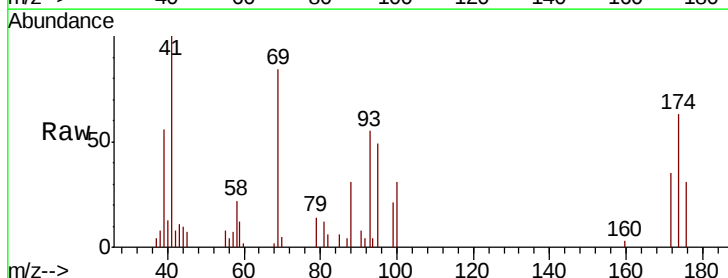
Tgt Ion: 41 Resp: 13885

Ion Ratio Lower Upper

41 100

69 88.6 71.0 106.6

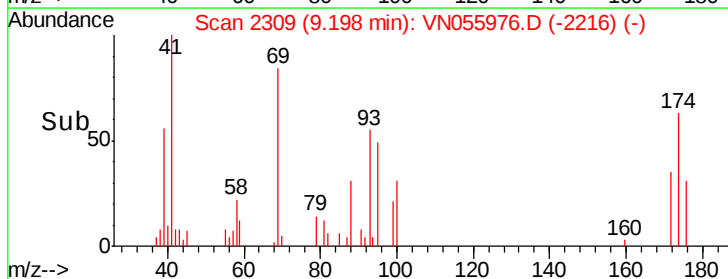
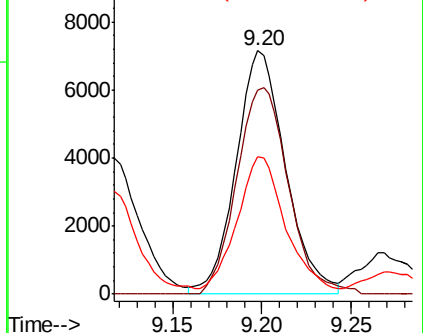
39 56.3 44.2 66.2

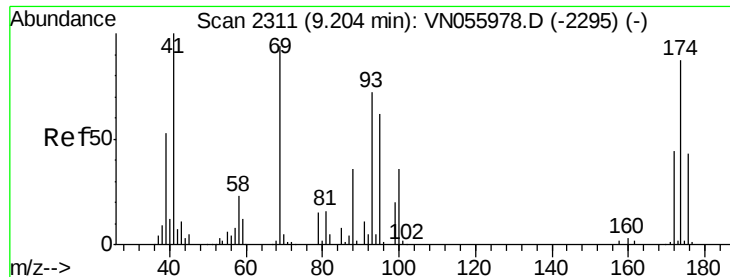


Abundance Ion 41.00 (40.70 to 41.70): VN055976.D (-2216) (-)

Ion 69.00 (68.70 to 69.70): VN055976.D (-2216) (-)

Ion 39.00 (38.70 to 39.70): VN055976.D (-2216) (-)





#49

1,4-Dioxane

Concen: 98.021 ug/l

RT: 9.21 min Scan# 2312

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

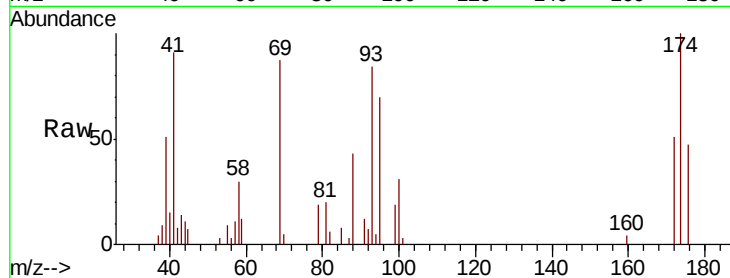
Tot Ion: 88 Resp: 6064

Ion Ratio Lower Upper

88 100

43 34.8 20.5 30.7#

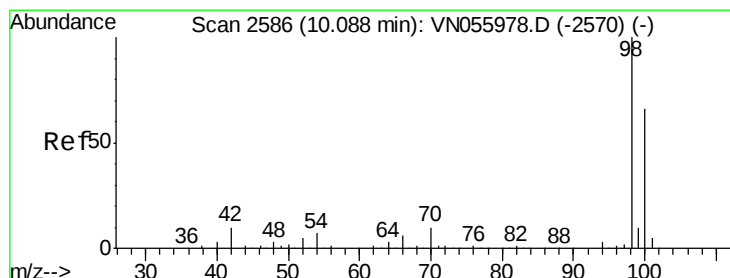
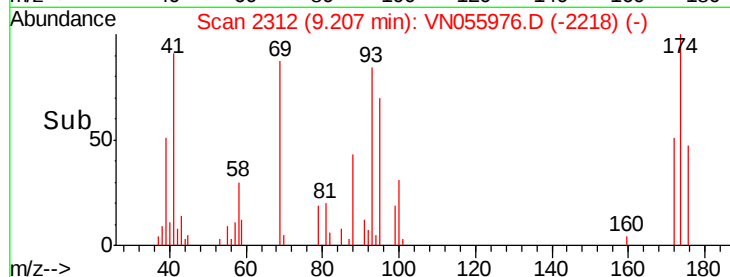
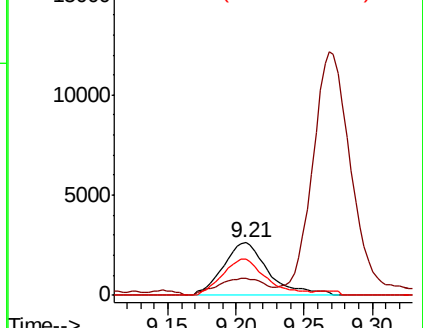
58 67.3 55.8 83.6



Abundance Ion 88.00 (87.70 to 88.70): VN055976.D (-2218) (-)

Ion 43.00 (42.70 to 43.70): VN055976.D (-2218) (-)

Ion 58.00 (57.70 to 58.70): VN055976.D (-2218) (-)



#50

Toluene-d8

Concen: 4.644 ug/l

RT: 10.09 min Scan# 2586

Delta R.T. 0.00 min

Lab File: VN055976.D

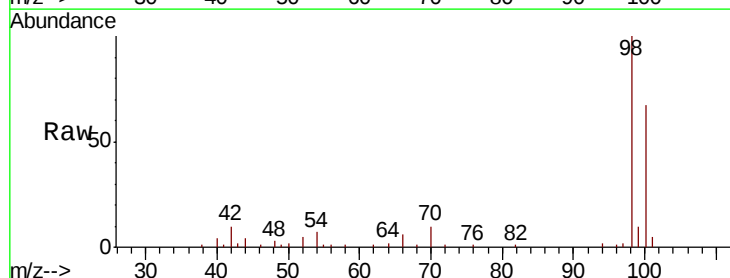
Acq: 4 Jun 2019 8:47

Tgt Ion: 98 Resp: 51804

Ion Ratio Lower Upper

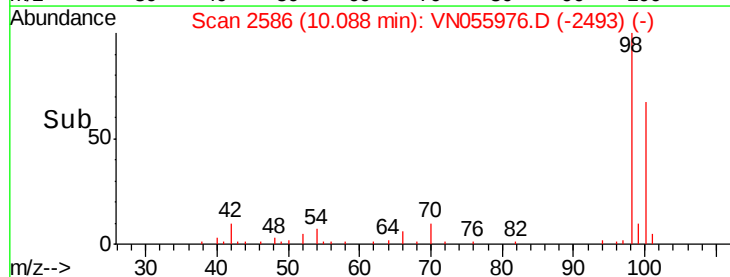
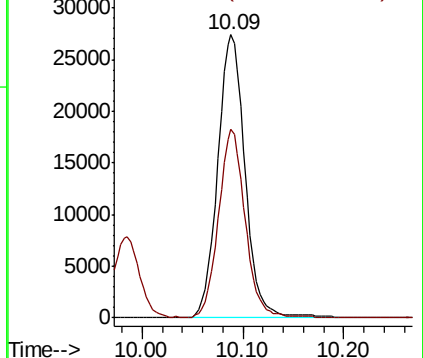
98 100

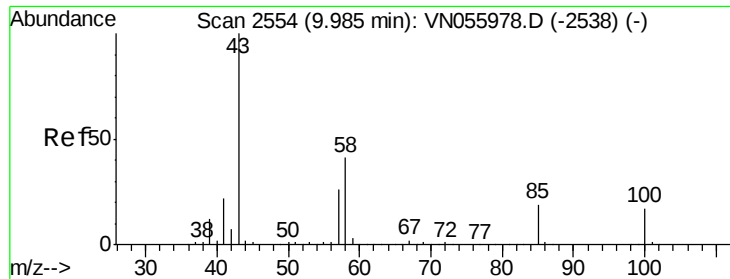
100 64.7 51.9 77.9



Abundance Ion 98.00 (97.70 to 98.70): VN055976.D (-2493) (-)

Ion 100.00 (99.70 to 100.70): VN055976.D (-2493) (-)





#51

4-Methyl-2-Pentanone

Concen: 24.005 ug/l

RT: 9.99 min Scan# 2554

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

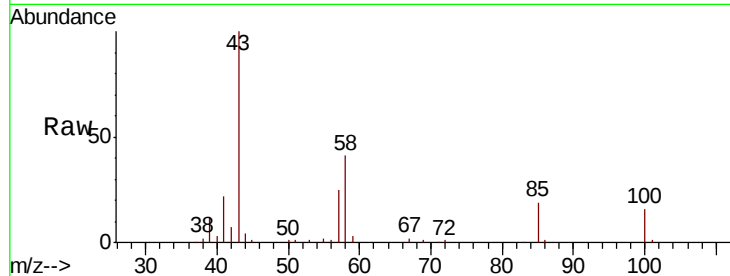
VSTDIC005

Tot Ion: 43 Resp: 87927

Ion Ratio Lower Upper

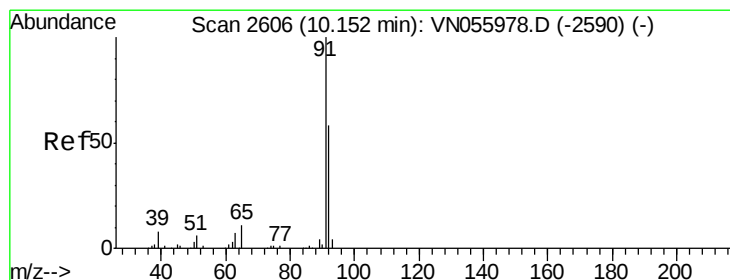
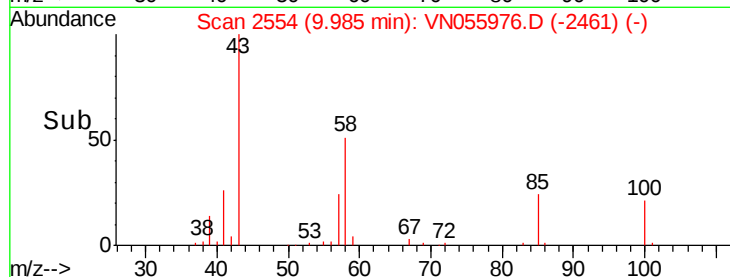
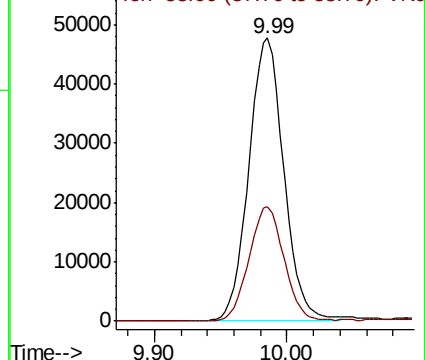
43 100

58 40.4 32.1 48.1



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#52

Toluene

Concen: 4.921 ug/l

RT: 10.15 min Scan# 2606

Delta R.T. 0.00 min

Lab File: VN055976.D

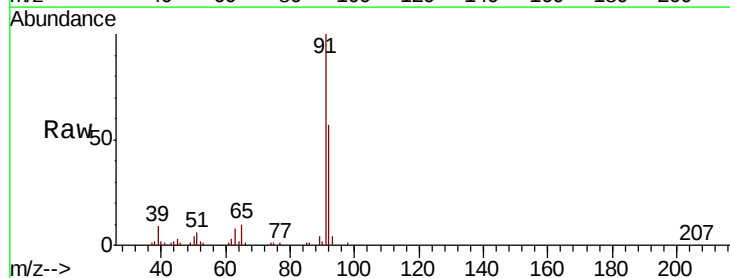
Acq: 4 Jun 2019 8:47

Tgt Ion: 92 Resp: 37785

Ion Ratio Lower Upper

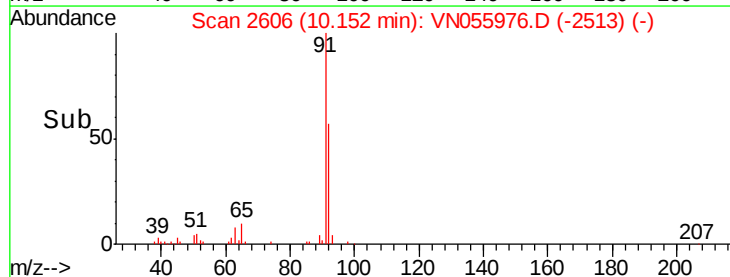
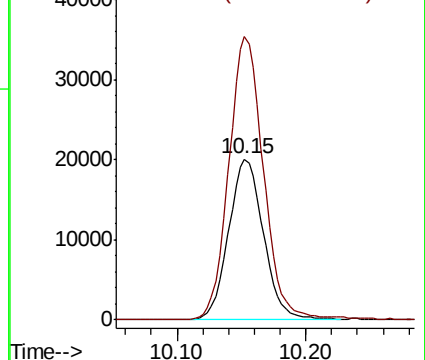
92 100

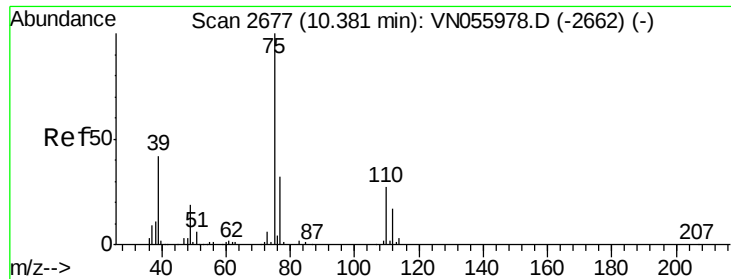
91 175.3 139.4 209.2



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: 5.917 ug/l

RT: 10.38 min Scan# 2677

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

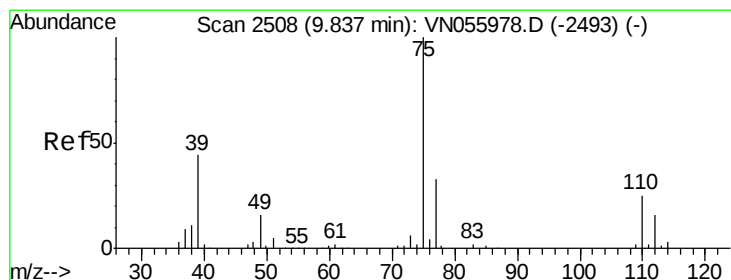
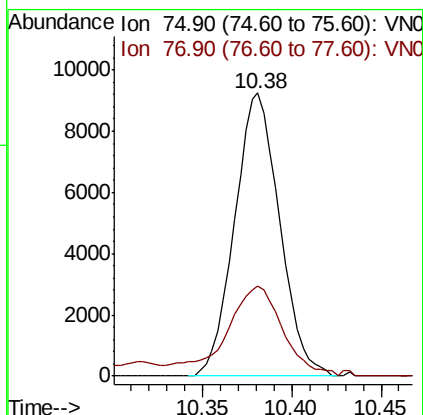
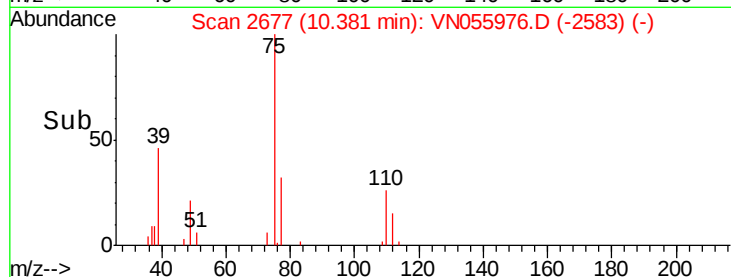
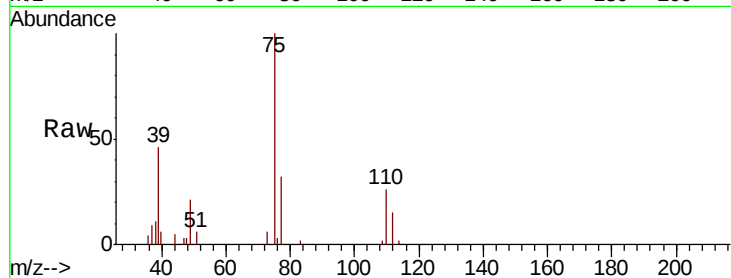
VSTDIC005

Tot Ion: 75 Resp: 16233

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.6



#54

cis-1,3-Dichloropropene

Concen: 4.415 ug/l

RT: 9.84 min Scan# 2508

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

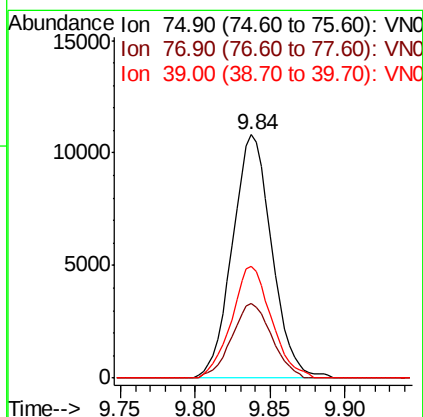
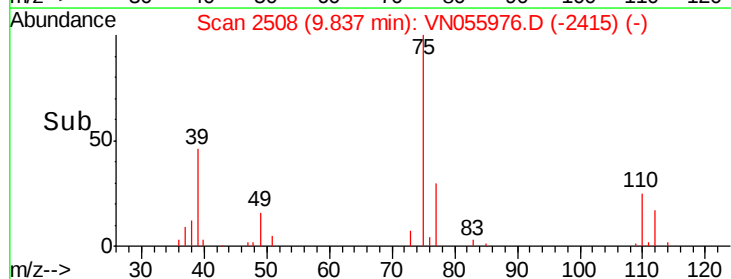
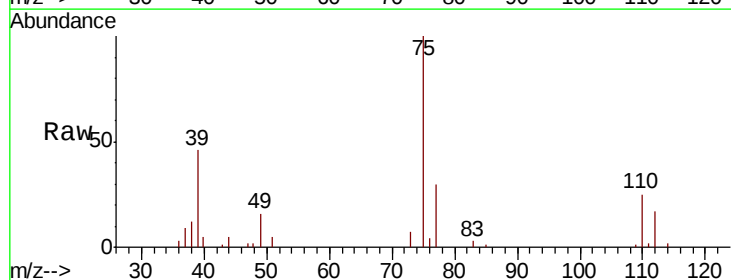
Tgt Ion: 75 Resp: 19876

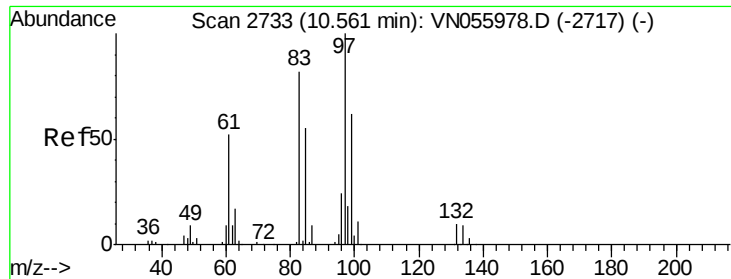
Ion Ratio Lower Upper

75 100

77 30.4 25.4 38.0

39 46.0 36.3 54.5

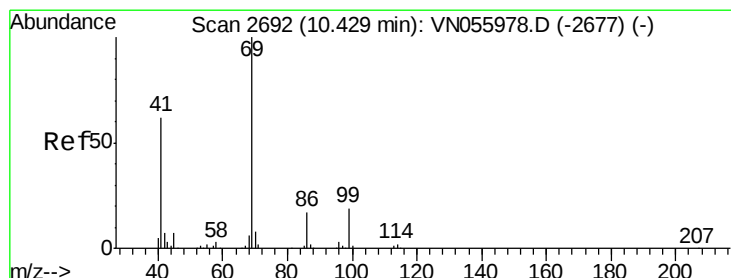
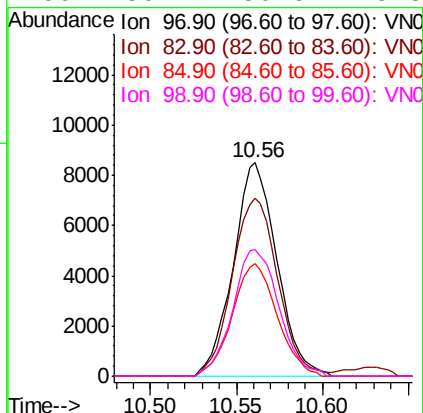
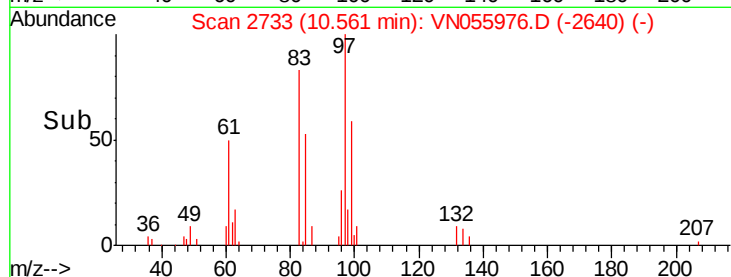
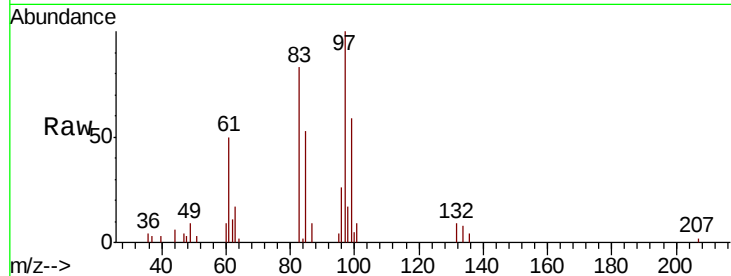




#55
 1,1,2-Trichloroethane
 Concen: 4.946 ug/l
 RT: 10.56 min Scan# 2733
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

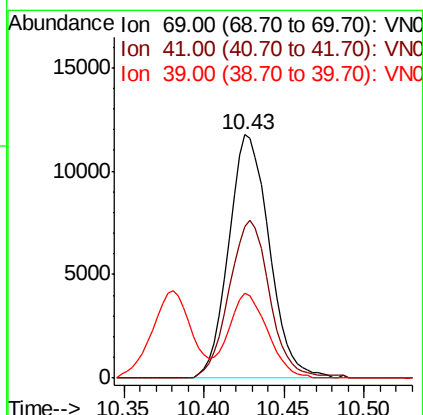
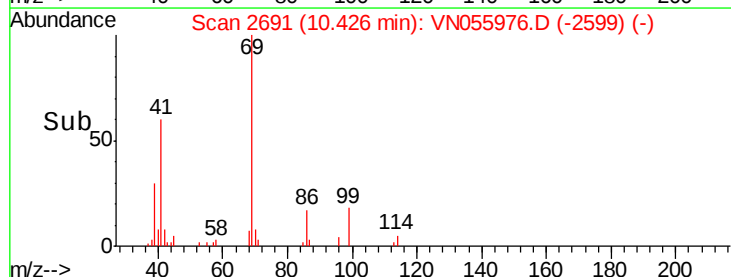
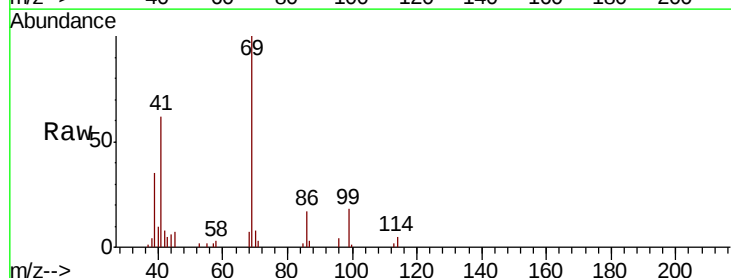
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

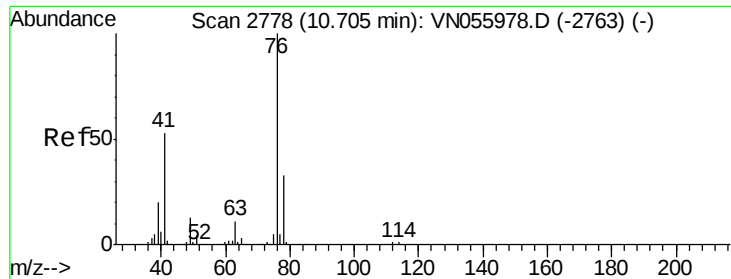
Tot Ion: 97 Resp: 15041
 Ion Ratio Lower Upper
 97 100
 83 83.4 67.0 100.6
 85 52.8 44.0 66.0
 99 59.1 50.6 75.8



#56
 Ethyl methacrylate
 Concen: 4.598 ug/l
 RT: 10.43 min Scan# 2691
 Delta R.T. -0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion: 69 Resp: 20399
 Ion Ratio Lower Upper
 69 100
 41 64.5 49.7 74.5
 39 33.9 24.7 37.1





#57

1,3-Dichloropropane

Concen: 4.805 ug/l

RT: 10.71 min Scan# 2778

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

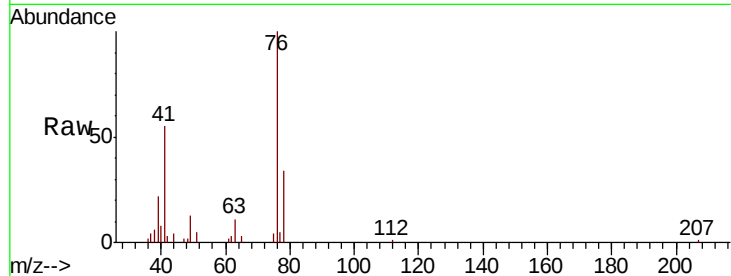
VSTDIC005

Tot Ion: 76 Resp: 23758

Ion Ratio Lower Upper

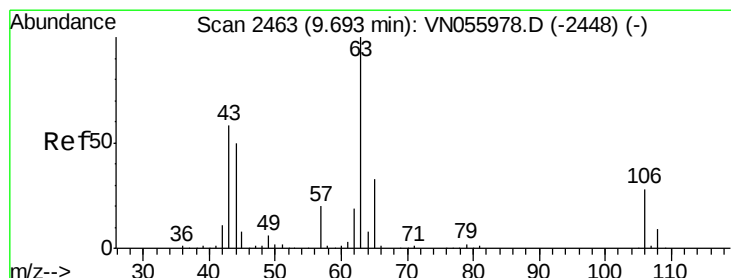
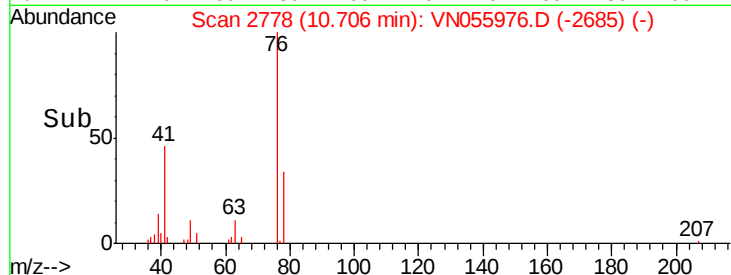
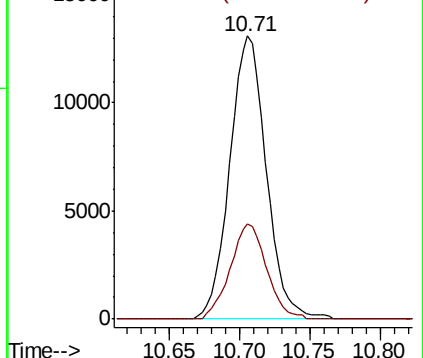
76 100

78 33.5 25.8 38.6



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0



#58

2-Chloroethyl Vinyl ether

Concen: 32.745 ug/l

RT: 9.69 min Scan# 2463

Delta R.T. 0.00 min

Lab File: VN055976.D

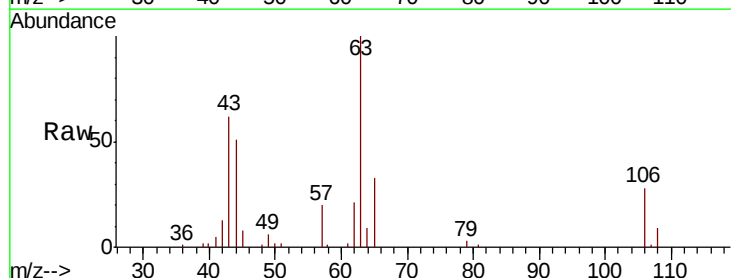
Acq: 4 Jun 2019 8:47

Tgt Ion: 63 Resp: 33427

Ion Ratio Lower Upper

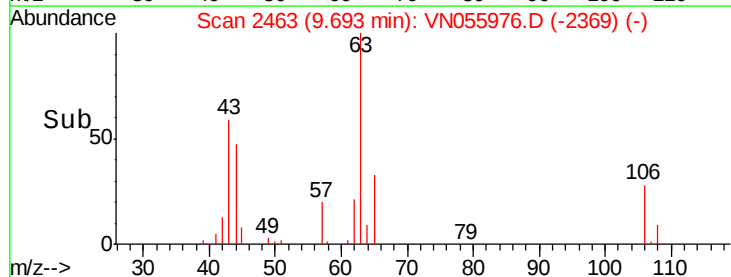
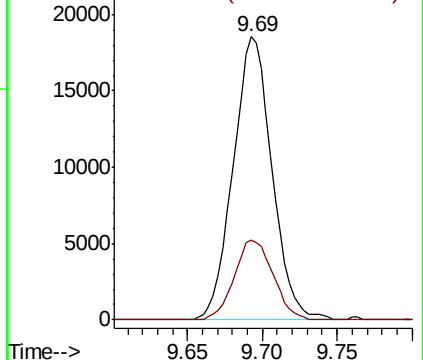
63 100

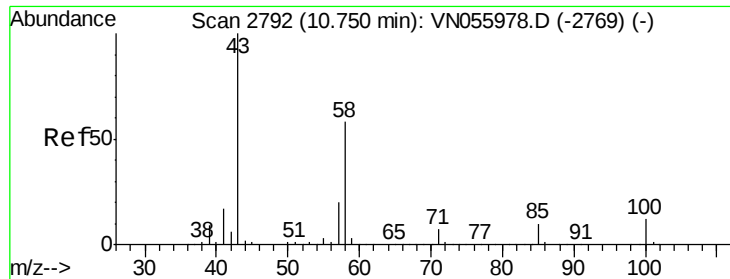
106 28.1 22.7 34.1



Abundance Ion 62.90 (62.60 to 63.60): VN0

Ion 105.90 (105.60 to 106.60): V

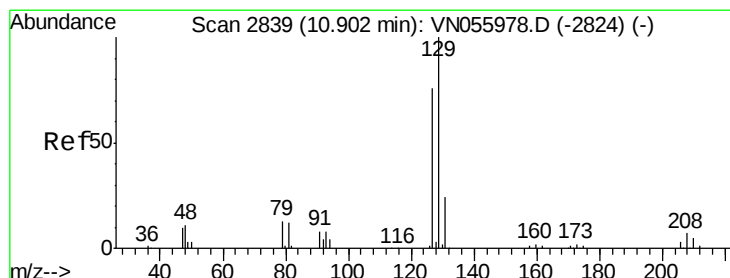
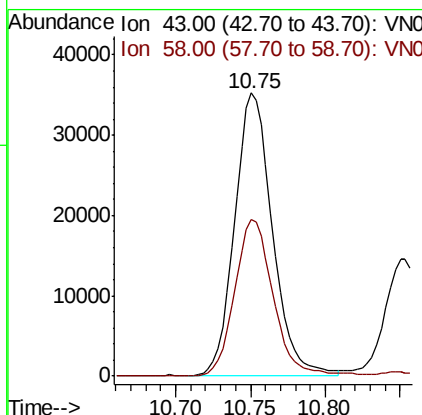
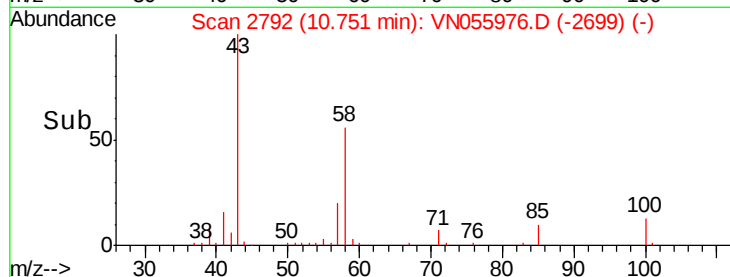
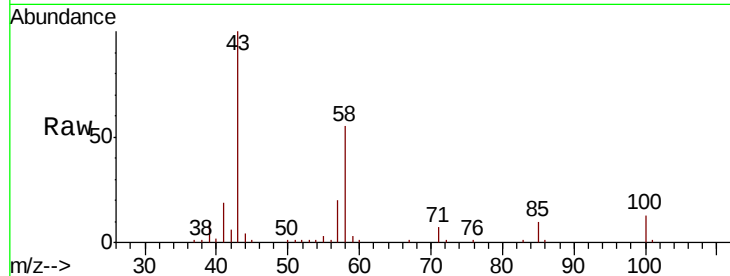




#59
2-Hexanone
Concen: 23.411 ug/l
RT: 10.75 min Scan# 2792
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

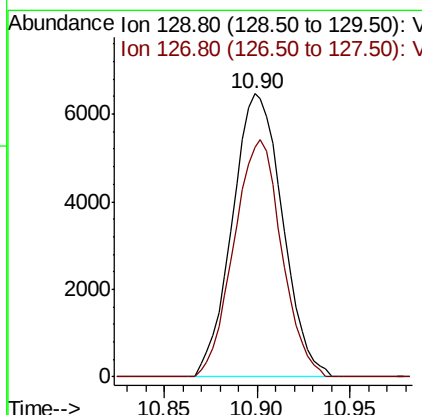
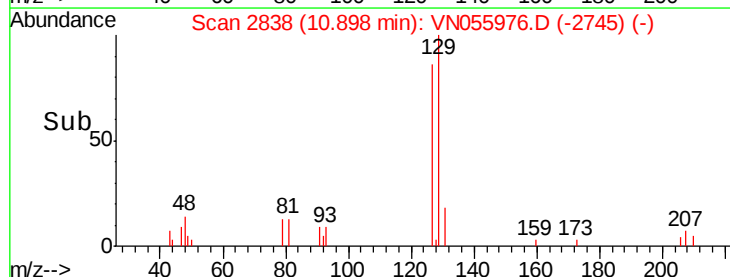
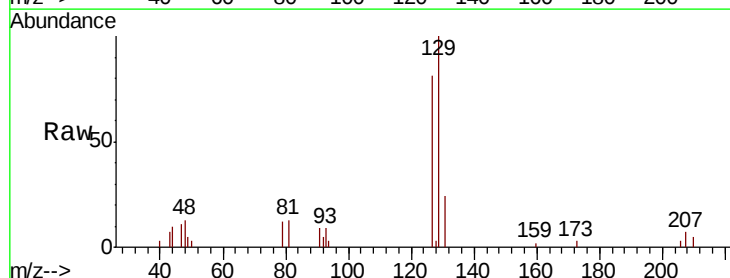
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

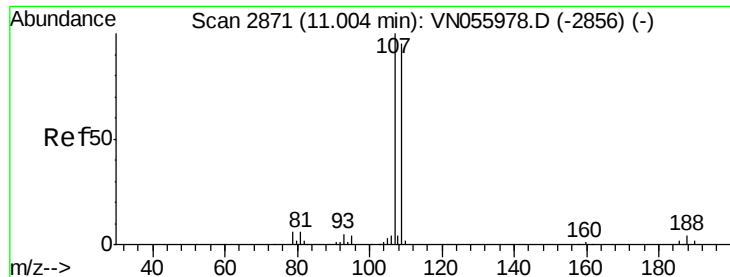
Tot Ion: 43 Resp: 62151
Ion Ratio Lower Upper
43 100
58 56.3 28.2 84.7



#60
Dibromochloromethane
Concen: 5.902 ug/l
RT: 10.90 min Scan# 2838
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 129 Resp: 12168
Ion Ratio Lower Upper
129 100
127 79.6 38.1 114.3





#61

1,2-Dibromoethane

Concen: 4.744 ug/l

RT: 11.00 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

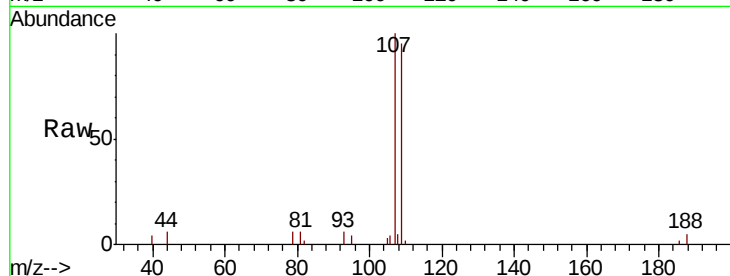
VSTDIC005

Tot Ion:107 Resp: 14751

Ion Ratio Lower Upper

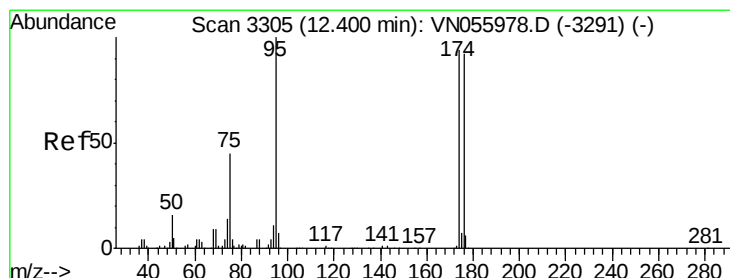
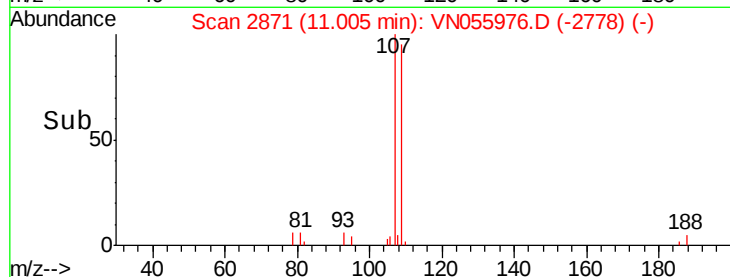
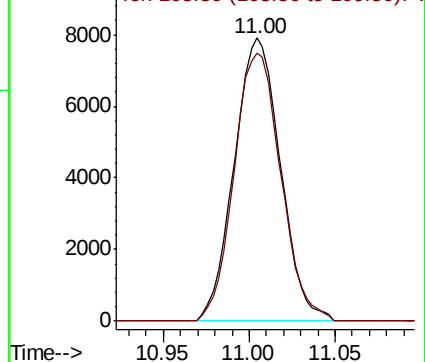
107 100

109 95.6 74.8 112.2



Abundance Ion 106.90 (106.60 to 107.60): V

Ion 108.80 (108.50 to 109.50): V



#62

4-Bromofluorobenzene

Concen: 4.288 ug/l

RT: 12.40 min Scan# 3304

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

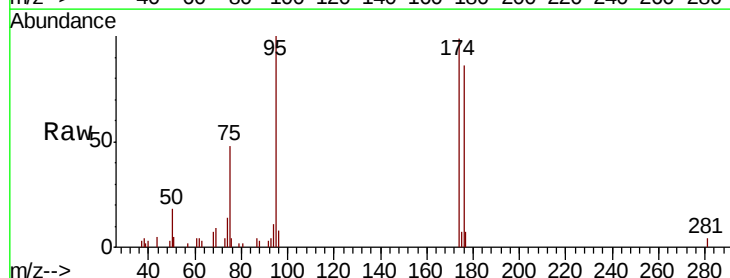
Tgt Ion: 95 Resp: 16267

Ion Ratio Lower Upper

95 100

174 98.3 0.0 191.0

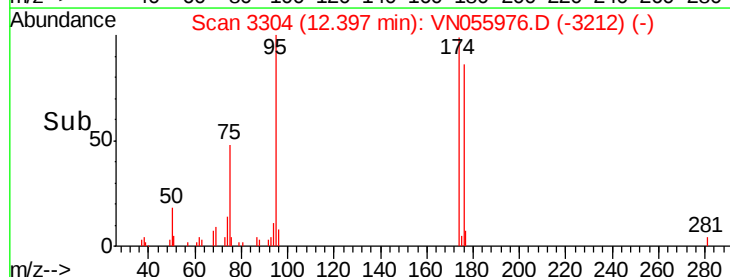
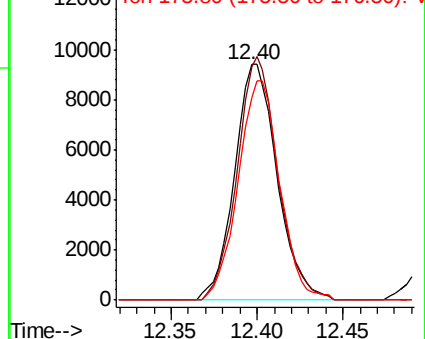
176 90.5 0.0 185.2

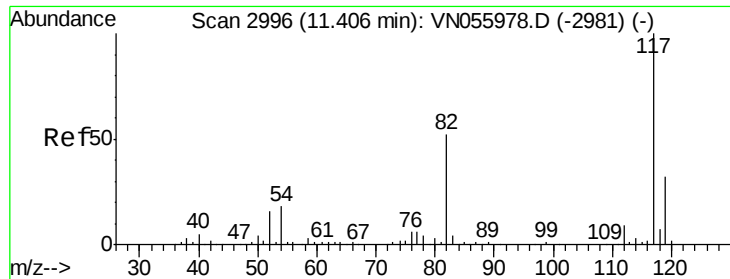


Abundance Ion 94.90 (94.60 to 95.60): V

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

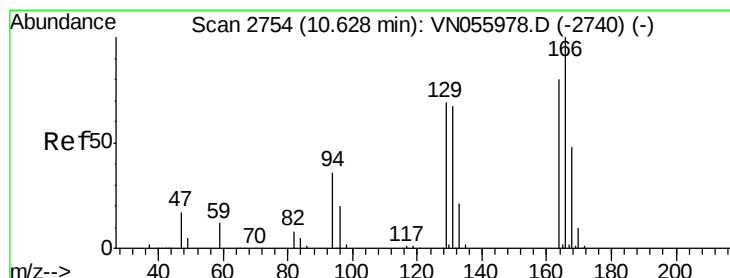
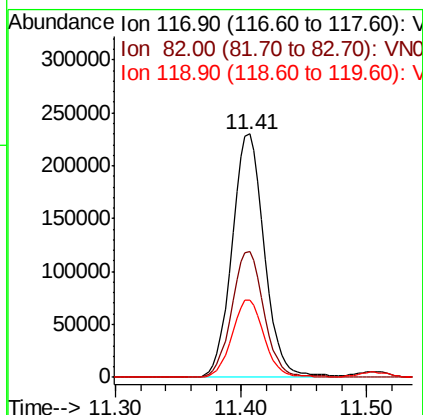
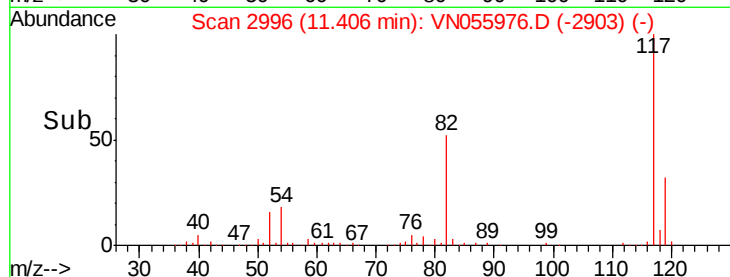
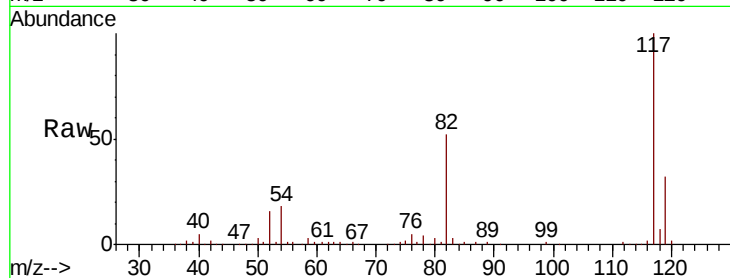
Tot Ion:117 Resp: 411730

Ion Ratio Lower Upper

117 100

82 51.6 41.8 62.8

119 31.9 25.4 38.0



#64

Tetrachloroethene

Concen: 5.140 ug/l

RT: 10.63 min Scan# 2754

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion:164 Resp: 18319

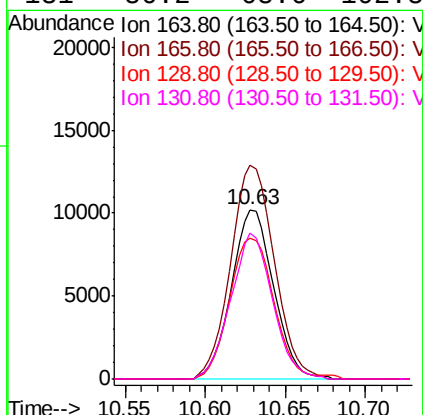
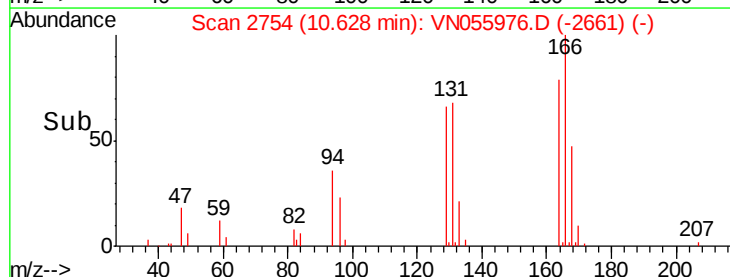
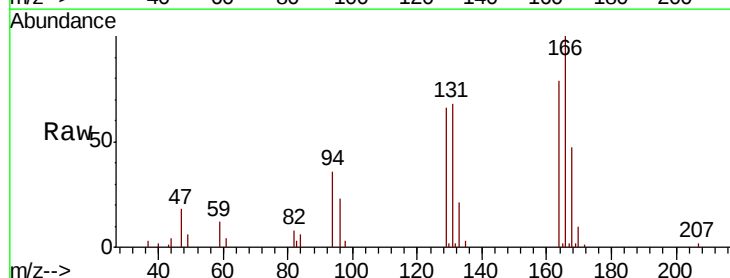
Ion Ratio Lower Upper

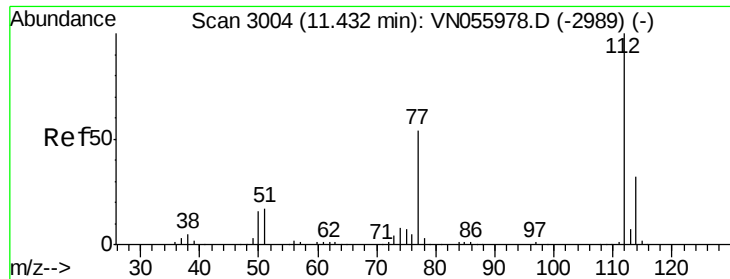
164 100

166 126.0 103.0 154.6

129 83.0 70.6 105.8

131 86.2 68.6 102.8

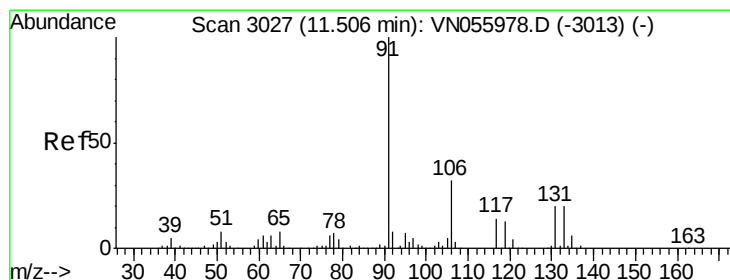
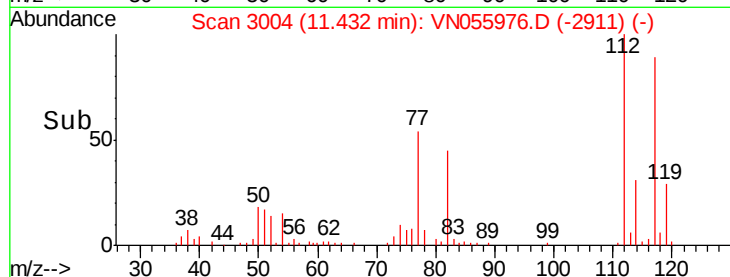
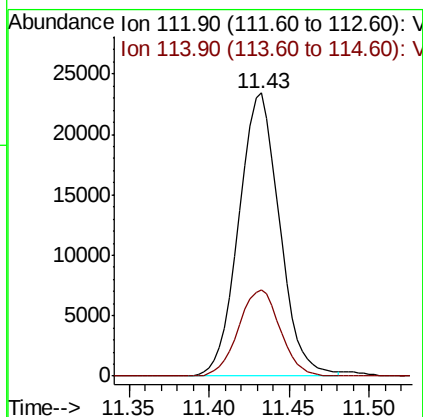
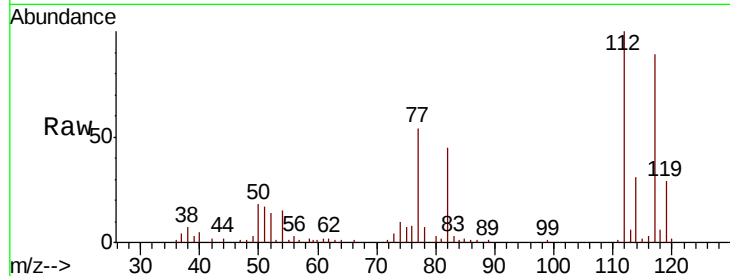




#65
Chlorobenzene
Concen: 4.968 ug/l
RT: 11.43 min Scan# 3004
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

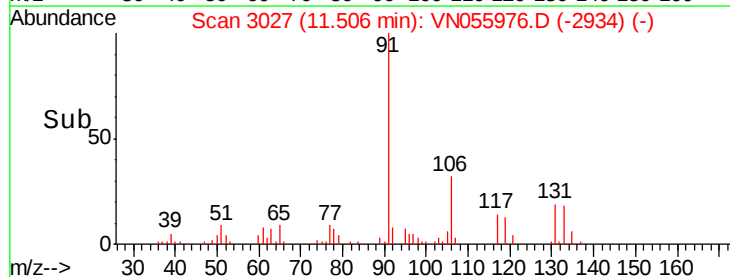
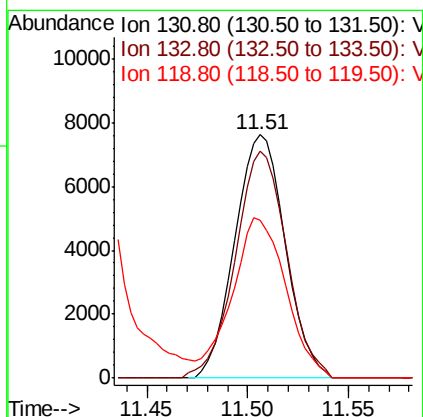
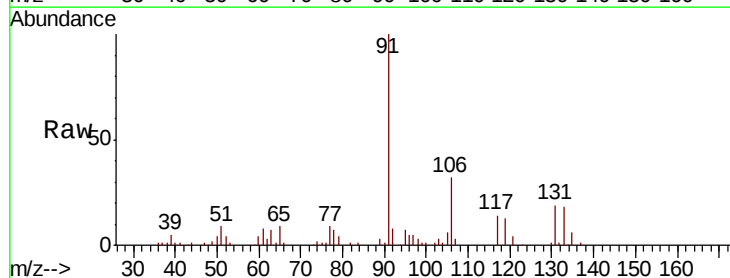
Instrument :
MSVOA_N
ClientSampled :
VSTDIC005

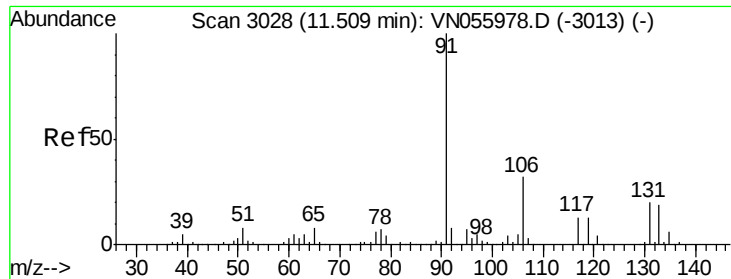
Tot Ion:112 Resp: 40713
Ion Ratio Lower Upper
112 100
114 30.7 26.2 39.4



#66
1,1,1,2-Tetrachloroethane
Concen: 4.718 ug/l
RT: 11.51 min Scan# 3027
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion:131 Resp: 13350
Ion Ratio Lower Upper
131 100
133 94.6 48.0 144.0
119 70.2 33.1 99.5

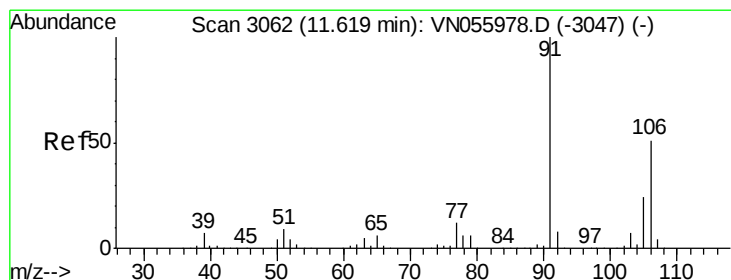
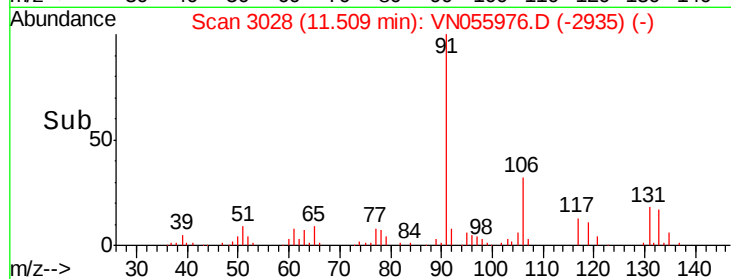
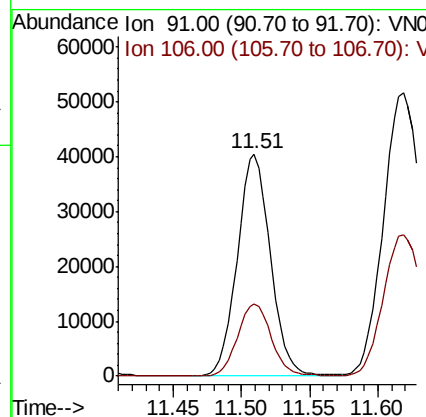
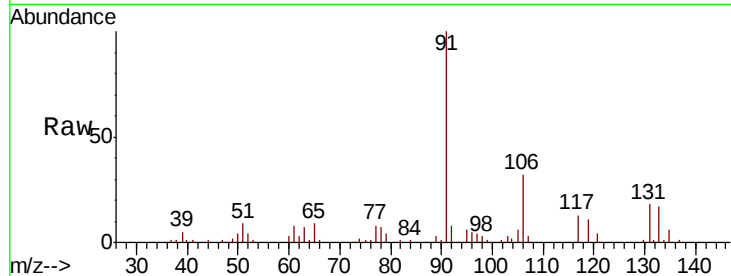




#67
Ethyl Benzene
Concen: 4.807 ug/l
RT: 11.51 min Scan# 3028
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

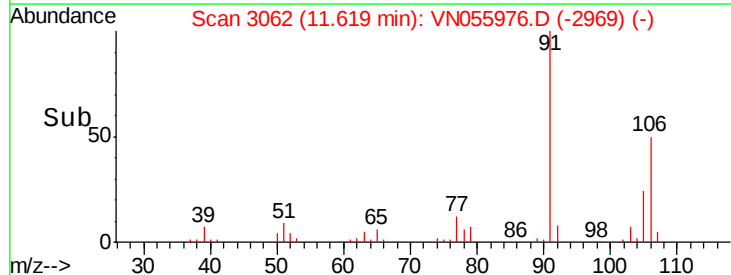
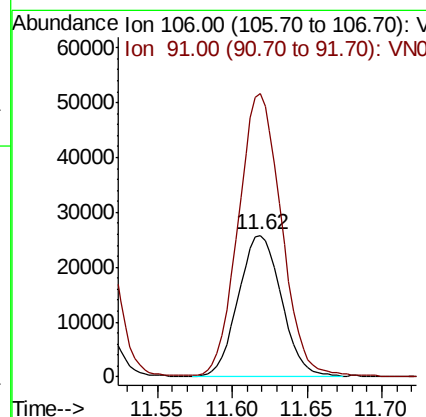
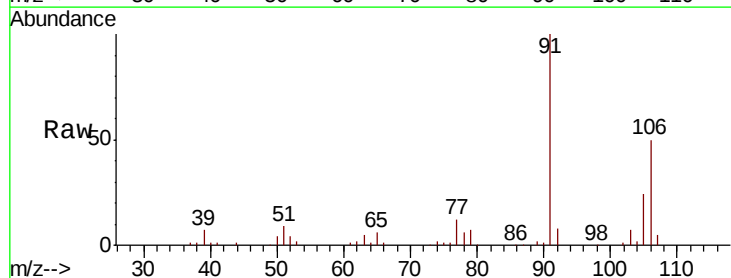
Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

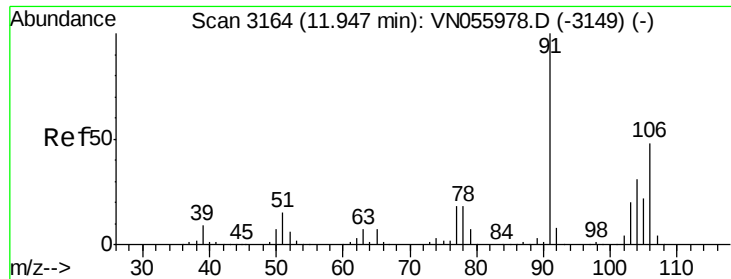
Tot Ion: 91 Resp: 68496
Ion Ratio Lower Upper
91 100
106 32.3 25.1 37.7



#68
m/p-Xylenes
Concen: 9.555 ug/l
RT: 11.62 min Scan# 3062
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion: 106 Resp: 52011
Ion Ratio Lower Upper
106 100
91 200.3 159.3 238.9

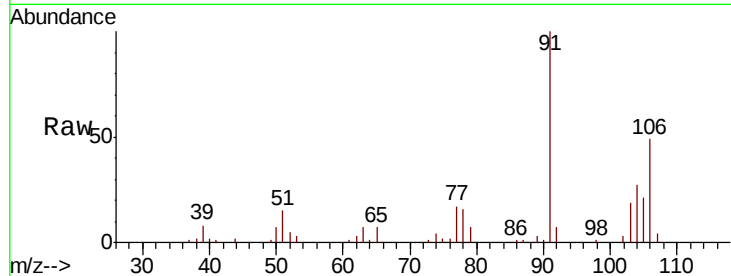




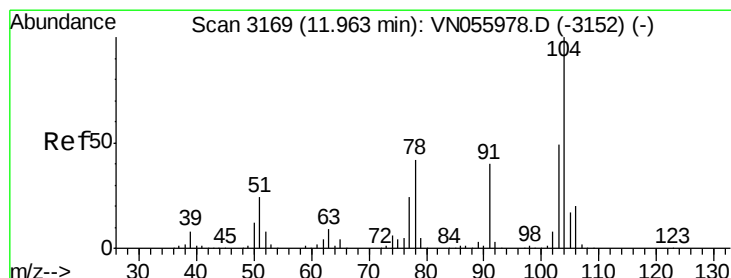
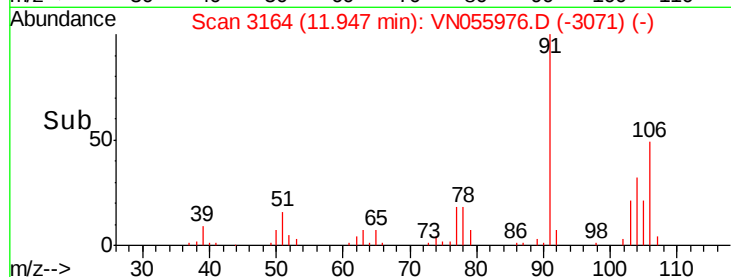
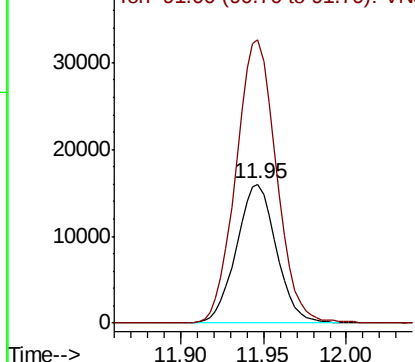
#69
o-Xylene
Concen: 5.013 ug/l
RT: 11.95 min Scan# 3164
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:106 Resp: 26841
Ion Ratio Lower Upper
106 100
91 206.7 104.7 314.1

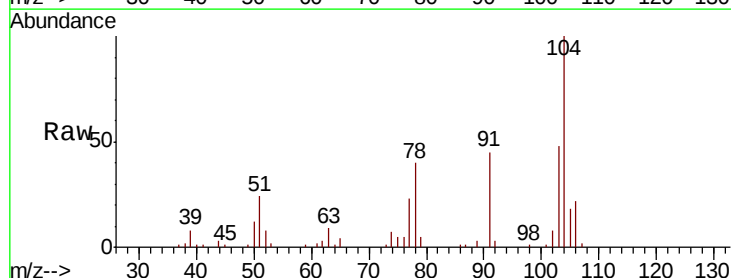


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): V

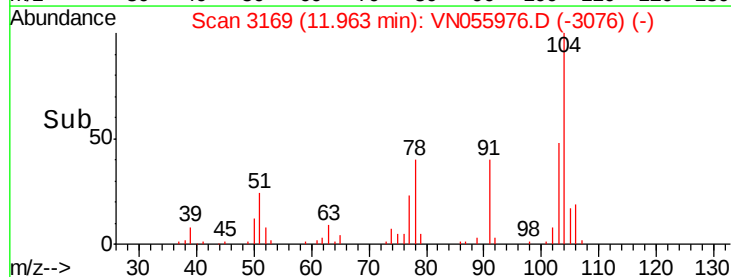
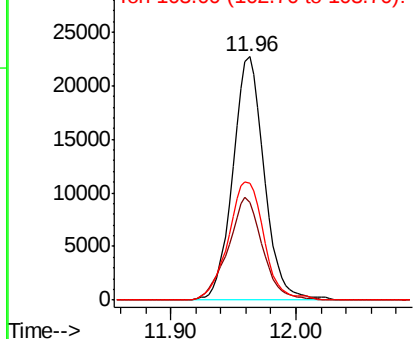


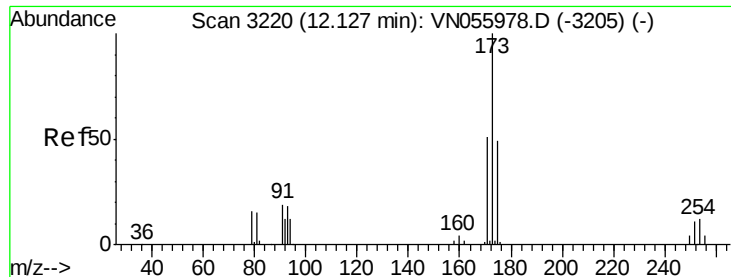
#70
Styrene
Concen: 4.652 ug/l
RT: 11.96 min Scan# 3169
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion:104 Resp: 39577
Ion Ratio Lower Upper
104 100
78 46.0 37.8 56.6
103 55.2 44.2 66.2



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

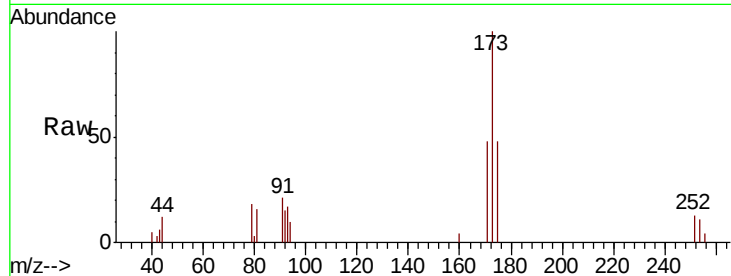




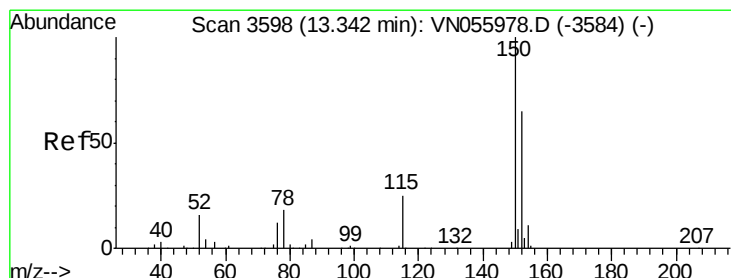
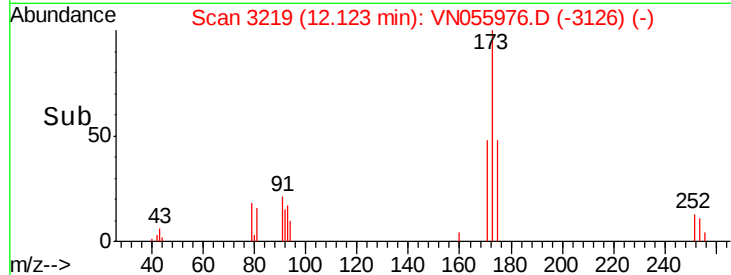
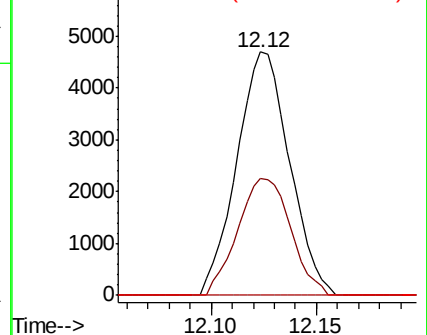
#71
Bromoform
Concen: 5.985 ug/l
RT: 12.12 min Scan# 3219
Delta R.T. -0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Instrument :
MSVOA_N
ClientSampleId :
VSTDIC005

Tot Ion:173 Resp: 8151
Ion Ratio Lower Upper
173 100
175 48.1 24.3 72.8
254 0.0 0.0 0.0

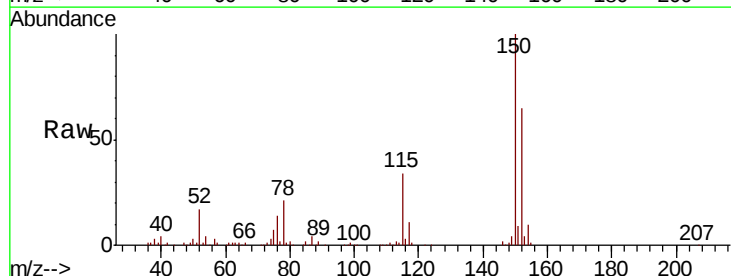


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

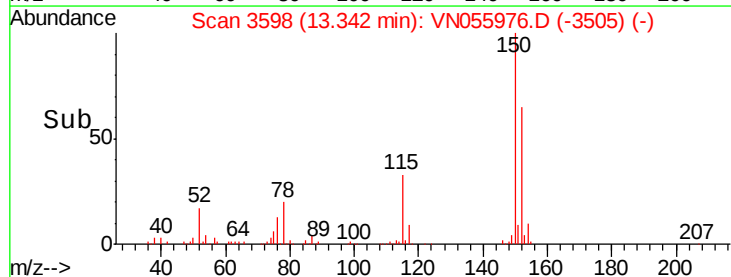
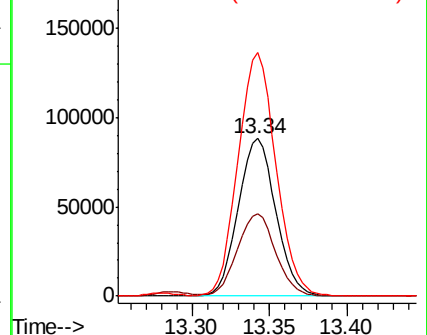


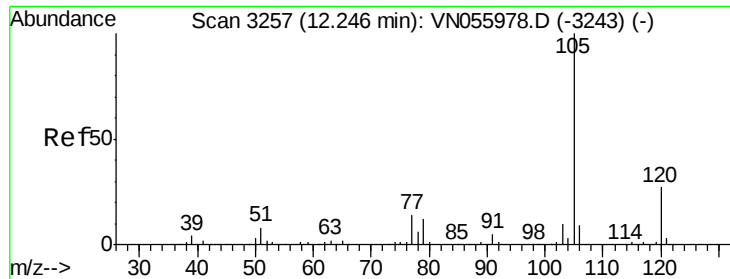
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN055976.D
Acq: 4 Jun 2019 8:47

Tgt Ion:152 Resp: 148709
Ion Ratio Lower Upper
152 100
115 53.0 27.0 81.0
150 156.4 0.0 343.2



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





#73

Isopropylbenzene

Concen: 4.190 ug/l

RT: 12.25 min Scan# 3257

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

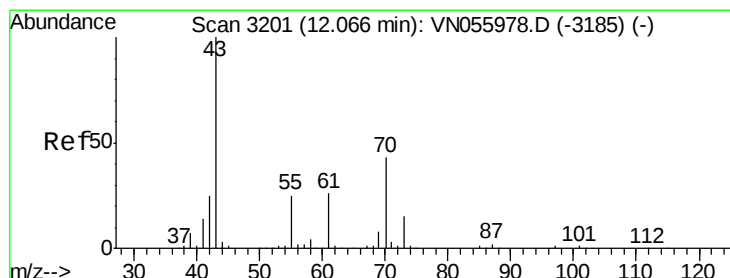
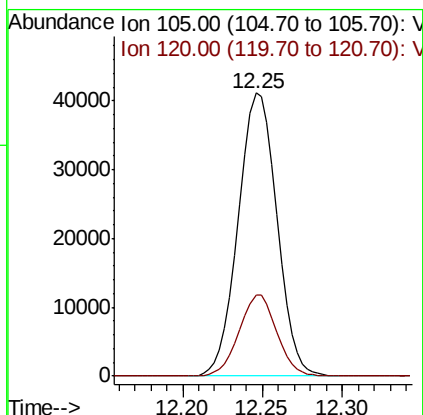
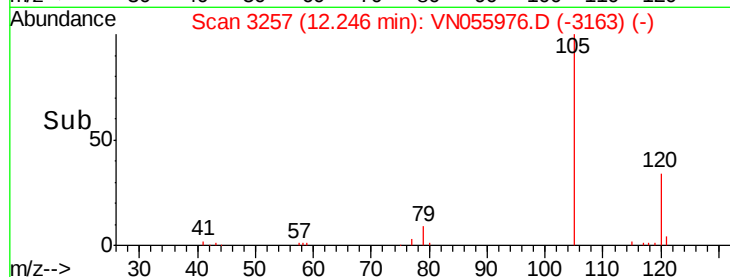
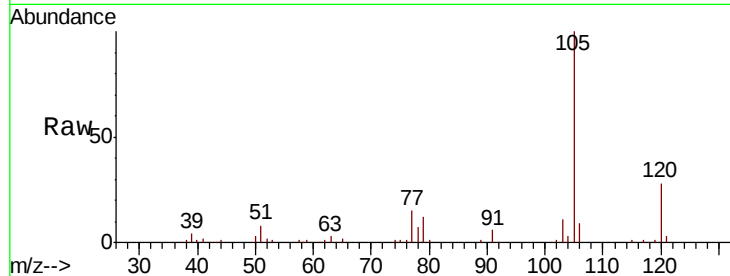
VSTDIC005

Tot Ion:105 Resp: 67921

Ion Ratio Lower Upper

105 100

120 27.7 13.6 40.7



#74

N-ethyl acetate

Concen: 5.454 ug/l

RT: 12.07 min Scan# 3202

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Tgt Ion: 43 Resp: 21620

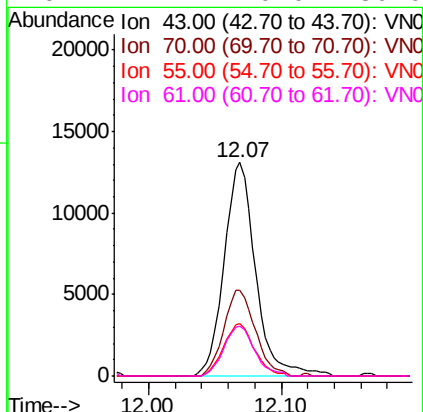
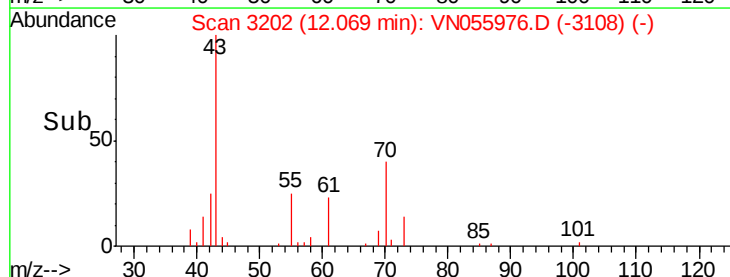
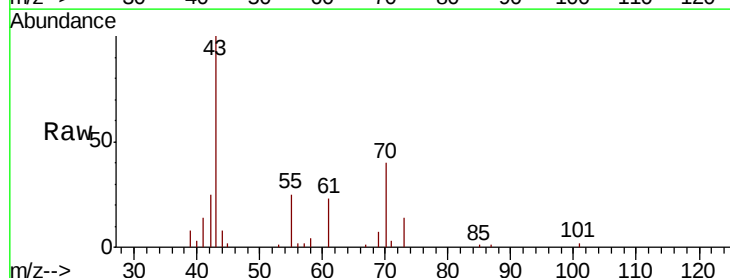
Ion Ratio Lower Upper

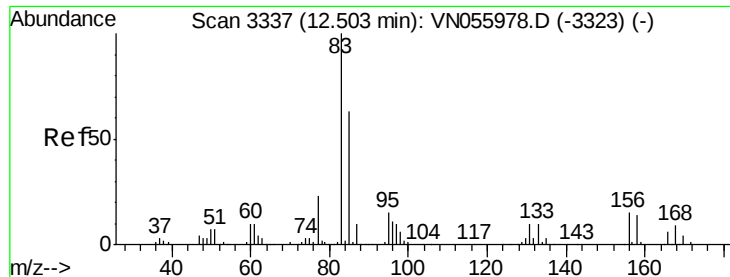
43 100

70 40.1 34.0 51.0

55 24.0 18.6 28.0

61 22.7 20.0 30.0





#75

1,1,2,2-Tetrachloroethane

Concen: 5.612 ug/l

RT: 12.50 min Scan# 3337

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

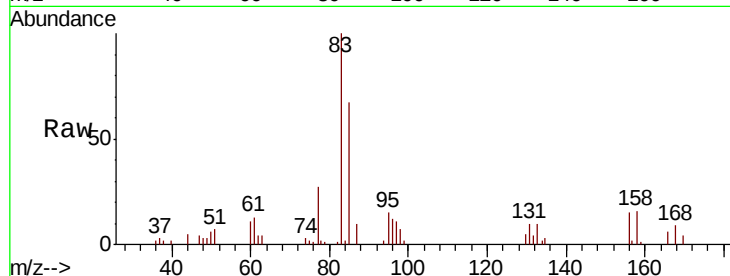
Tot Ion: 83 Resp: 19373

Ion Ratio Lower Upper

83 100

131 10.9 5.4 16.2

85 66.2 32.4 97.0



Abundance Ion 82.90 (82.60 to 83.60): VN055976.D (-3323) (-)

Ion 130.80 (130.50 to 131.50): VN055976.D (-3323) (-)

Ion 84.90 (84.60 to 85.60): VN055976.D (-3323) (-)

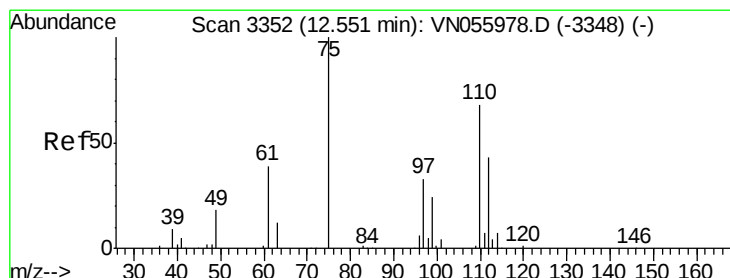
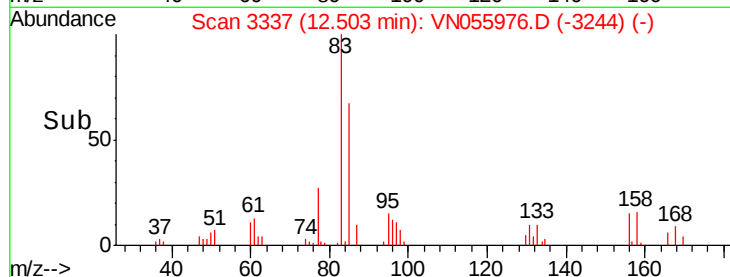
12.50

10000

5000

0

Time-->



#76

1,2,3-Trichloropropane

Concen: 8.007 ug/l

RT: 12.55 min Scan# 3353

Delta R.T. 0.00 min

Lab File: VN055976.D

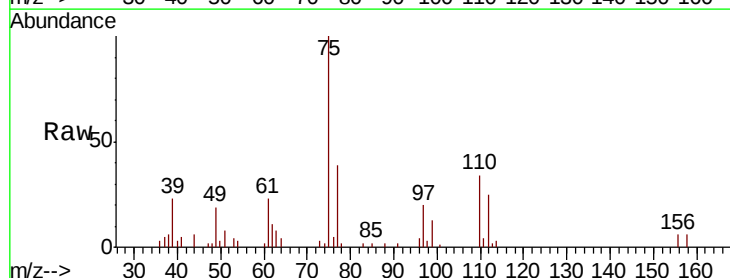
Acq: 4 Jun 2019 8:47

Tgt Ion: 75 Resp: 21910

Ion Ratio Lower Upper

75 100

77 0.0 0.0 0.0



Abundance Ion 74.90 (74.60 to 75.60): VN055976.D (-3352) (-)

Ion 77.00 (76.70 to 77.70): VN055976.D (-3352) (-)

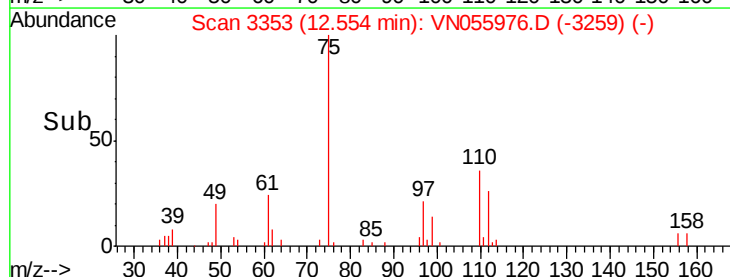
12.55

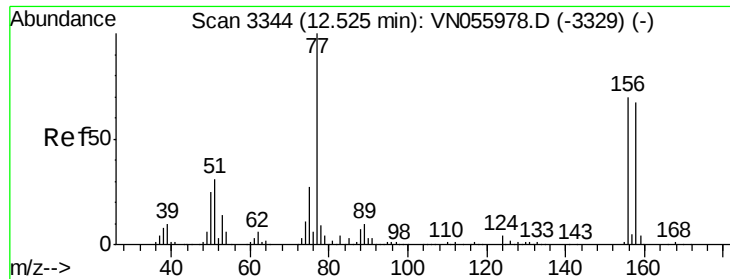
10000

5000

0

Time-->





#77

Bromobenzene

Concen: 5.583 ug/l

RT: 12.53 min Scan# 3344

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

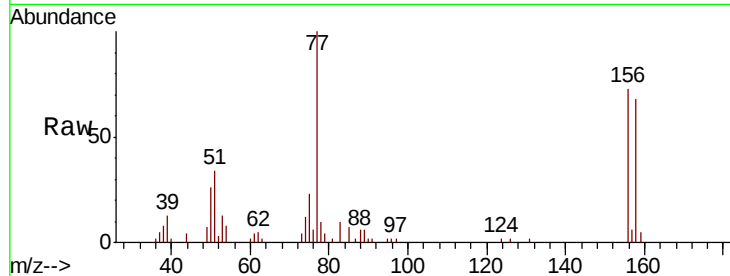
Tot Ion:156 Resp: 17775

Ion Ratio Lower Upper

156 100

77 170.7 90.8 272.5

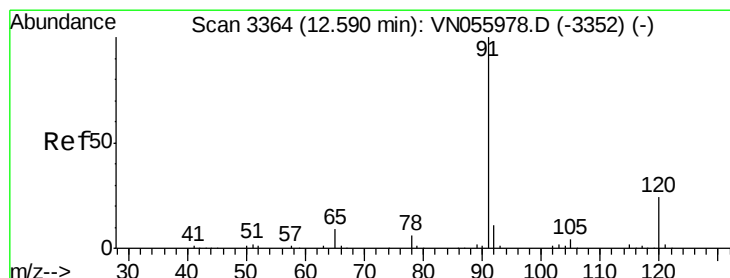
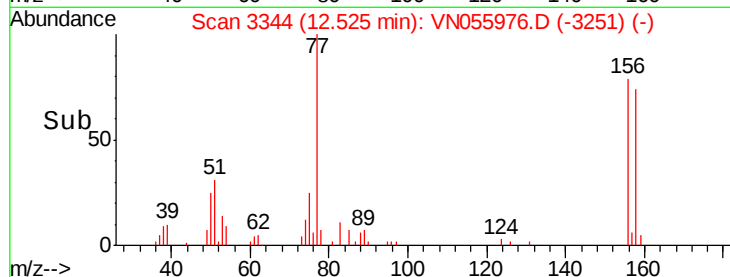
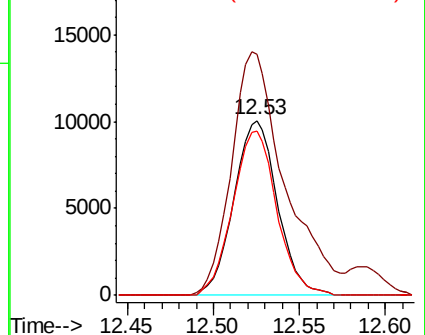
158 95.0 49.3 147.8



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VN0

Ion 157.80 (157.50 to 158.50): V



#78

n-propylbenzene

Concen: 5.355 ug/l

RT: 12.59 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN055976.D

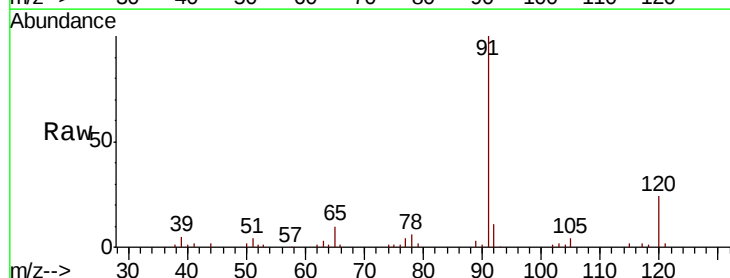
Acq: 4 Jun 2019 8:47

Tgt Ion: 91 Resp: 67369

Ion Ratio Lower Upper

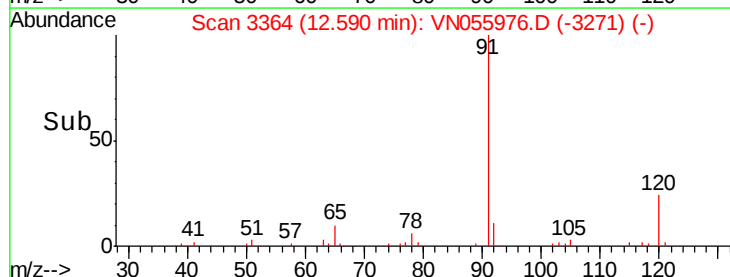
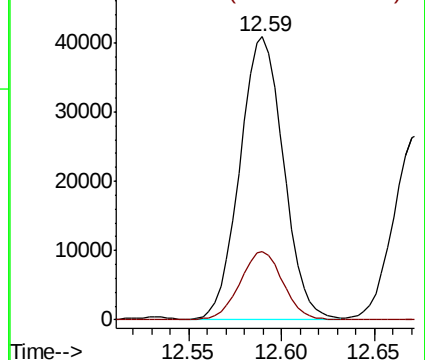
91 100

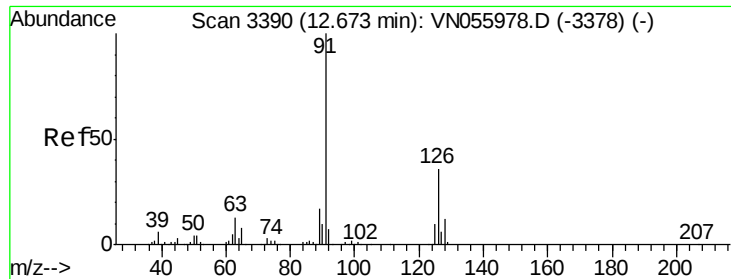
120 23.6 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#79

2-Chlorotoluene

Concen: 4.433 ug/l

RT: 12.67 min Scan# 3390

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

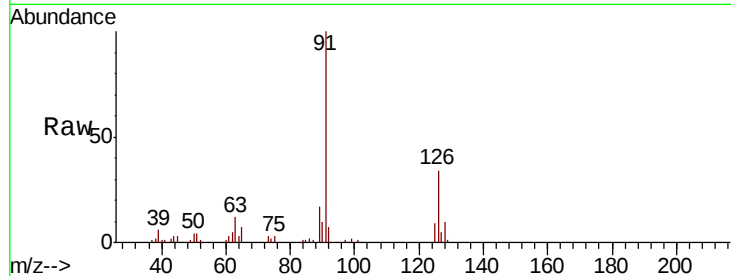
VSTDIC005

Tot Ion: 91 Resp: 45697

Ion Ratio Lower Upper

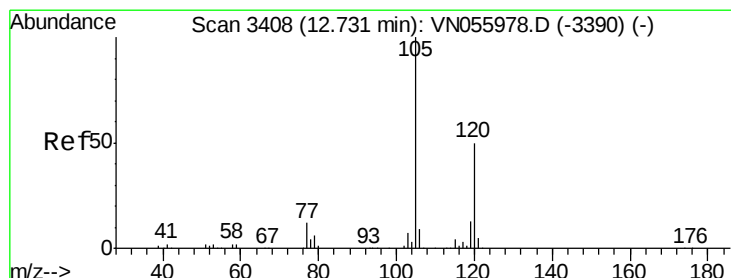
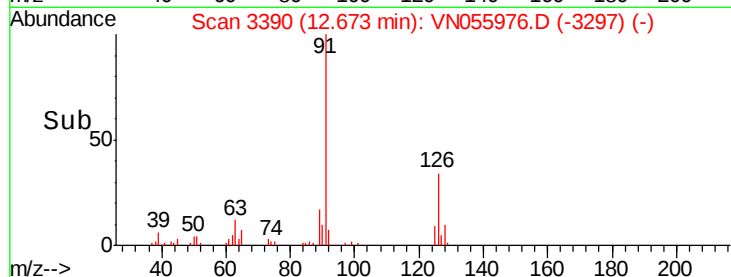
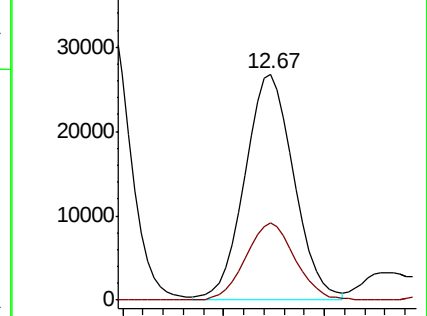
91 100

126 34.3 18.1 54.4



Abundance Ion 91.00 (90.70 to 91.70): VN055978.D (-3378) (-)

Ion 125.90 (125.60 to 126.60): VN055978.D (-3378) (-)



#80

1,3,5-Trimethylbenzene

Concen: 5.566 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN055976.D

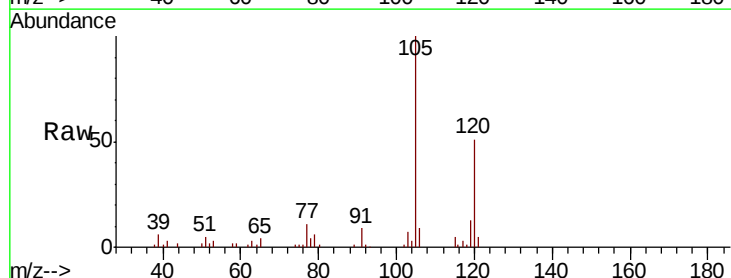
Acq: 4 Jun 2019 8:47

Tgt Ion: 105 Resp: 55653

Ion Ratio Lower Upper

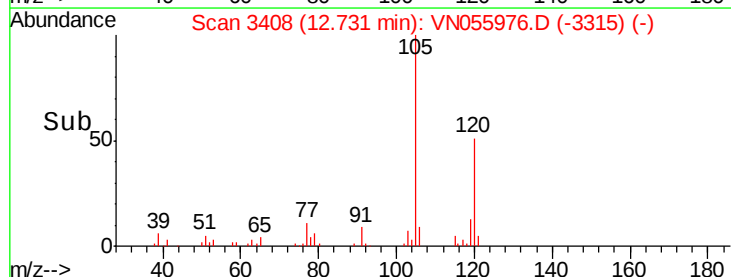
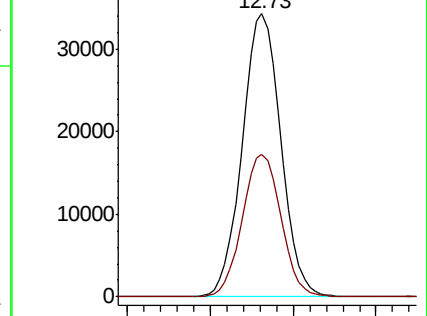
105 100

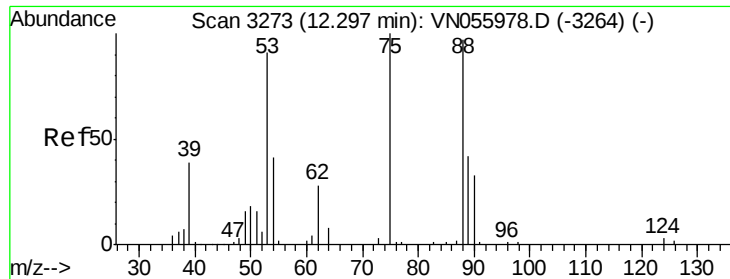
120 50.2 24.7 74.1



Abundance Ion 105.00 (104.70 to 105.70): VN055978.D (-3390) (-)

Ion 120.00 (119.70 to 120.70): VN055978.D (-3390) (-)





#81

trans-1,4-Dichloro-2-butene

Concen: 4.182 ug/l

RT: 12.30 min Scan# 3273

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

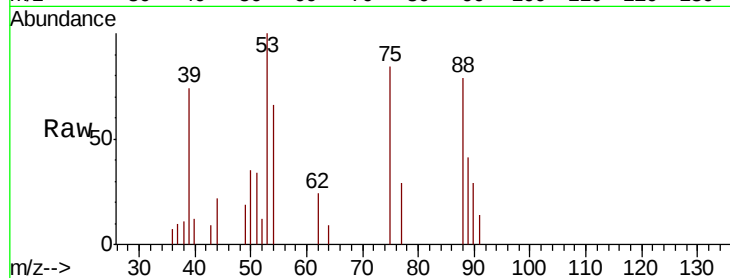
Tot Ion: 75 Resp: 3436

Ion Ratio Lower Upper

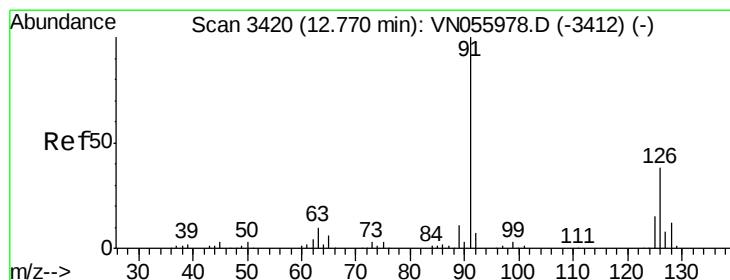
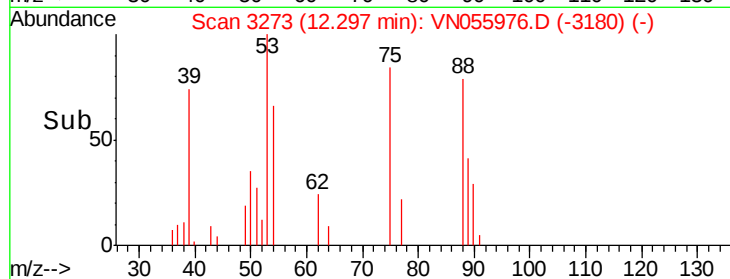
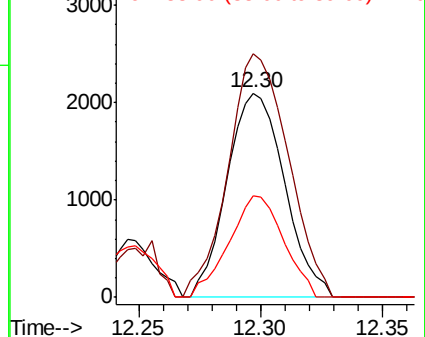
75 100

53 124.4 68.1 102.1#

89 47.1 36.9 55.3



Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#82

4-Chlorotoluene

Concen: 5.224 ug/l

RT: 12.77 min Scan# 3421

Delta R.T. 0.00 min

Lab File: VN055976.D

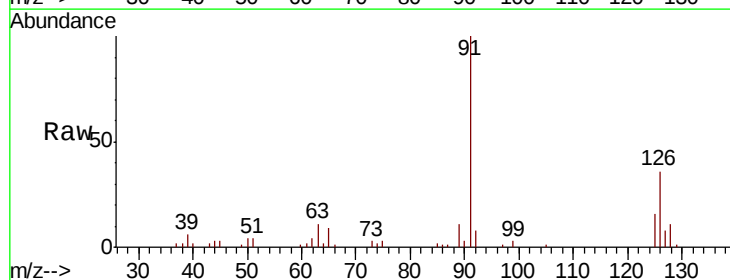
Acq: 4 Jun 2019 8:47

Tgt Ion: 91 Resp: 38448

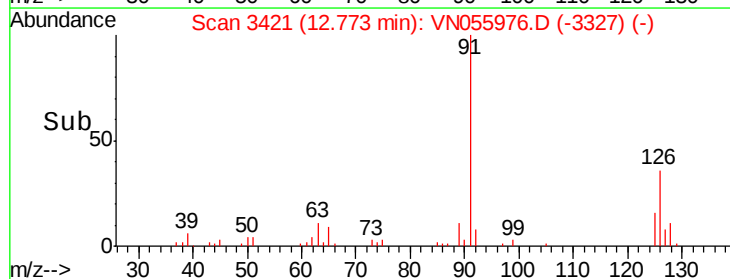
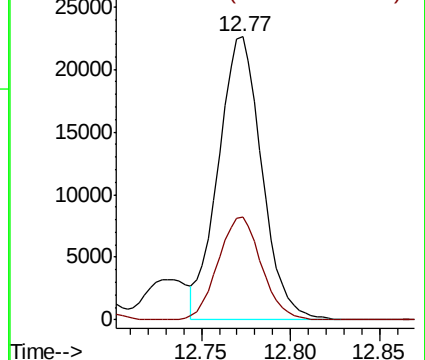
Ion Ratio Lower Upper

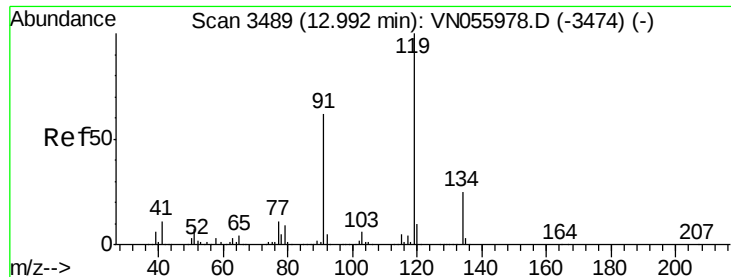
91 100

126 36.0 17.8 53.3



Abundance Ion 91.00 (90.70 to 91.70): VN0
Ion 125.90 (125.60 to 126.60): V

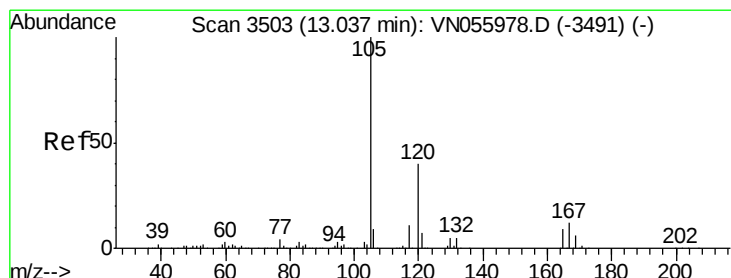
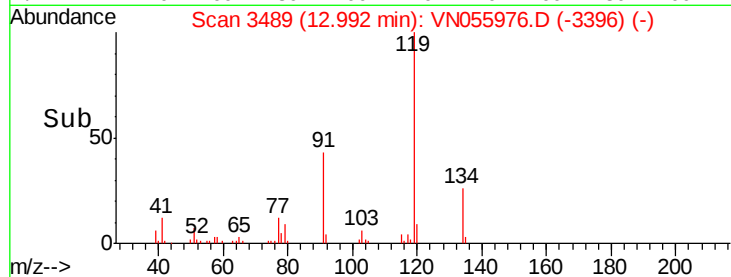
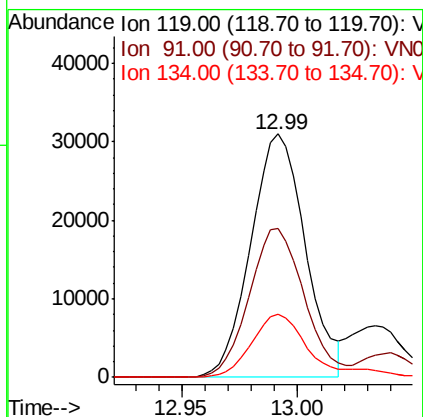
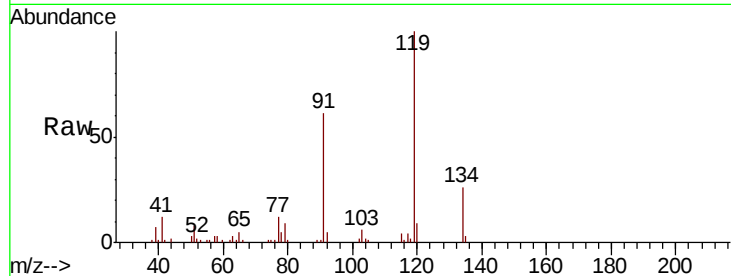




#83
 tert-Butylbenzene
 Concen: 4.057 ug/l
 RT: 12.99 min Scan# 3489
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

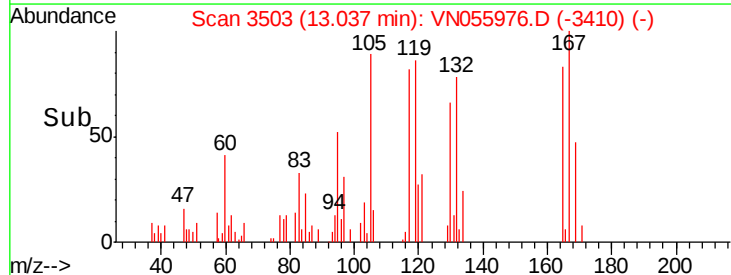
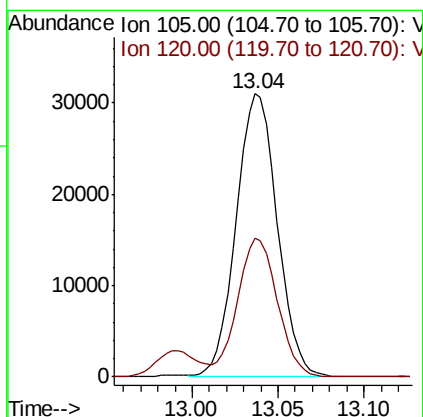
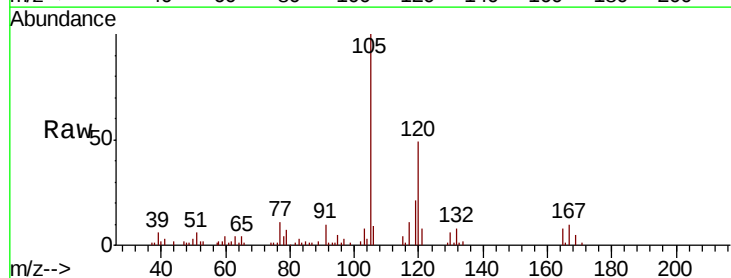
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

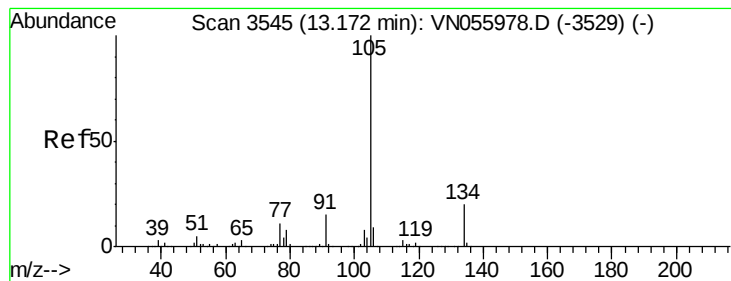
Tot Ion:119 Resp: 50920
 Ion Ratio Lower Upper
 119 100
 91 61.6 30.9 92.8
 134 27.7 13.3 39.8



#84
 1,2,4-Trimethylbenzene
 Concen: 5.444 ug/l
 RT: 13.04 min Scan# 3503
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion:105 Resp: 51615
 Ion Ratio Lower Upper
 105 100
 120 47.5 23.0 69.0





#85

sec-Butylbenzene

Concen: 5.426 ug/l

RT: 13.17 min Scan# 3544

Delta R.T. -0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

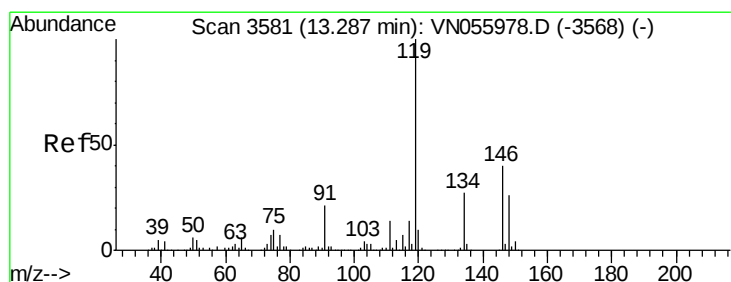
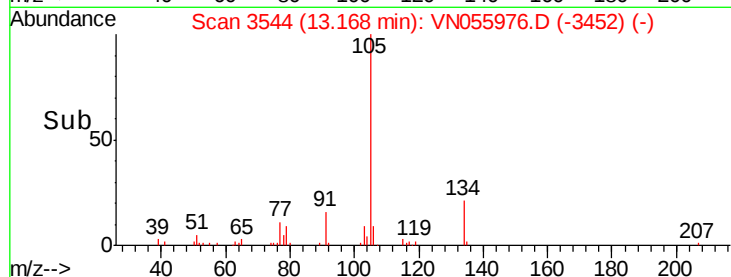
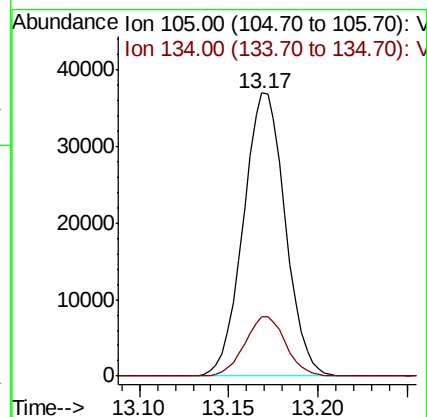
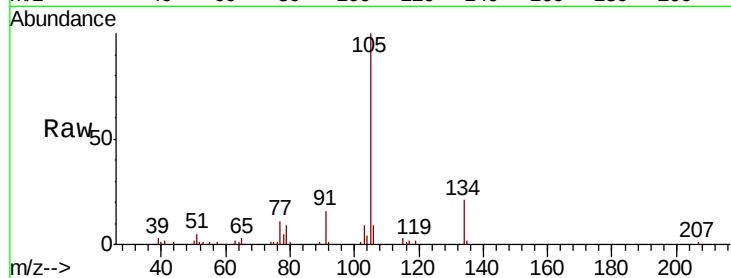
VSTDIC005

Tot Ion:105 Resp: 60458

Ion Ratio Lower Upper

105 100

134 20.5 10.4 31.2



#86

p-Isopropyltoluene

Concen: 5.218 ug/l

RT: 13.29 min Scan# 3581

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

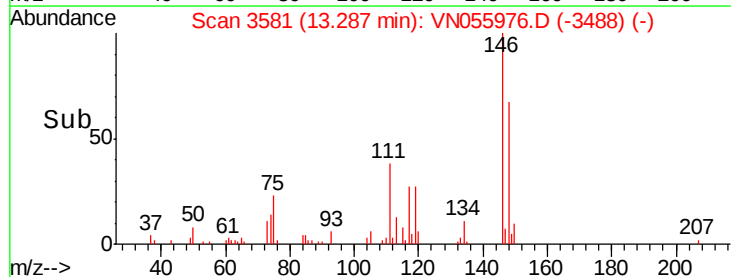
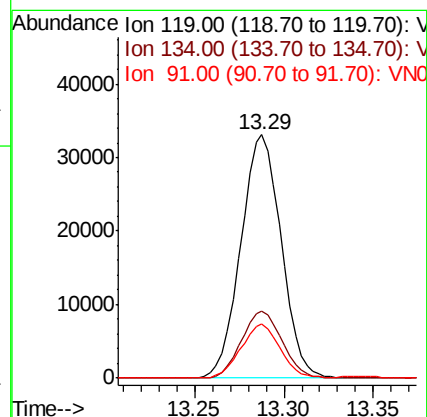
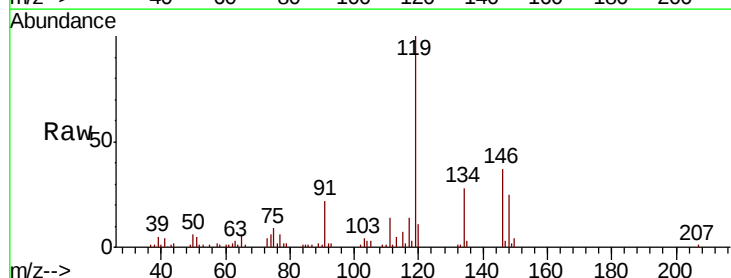
Tgt Ion:119 Resp: 52033

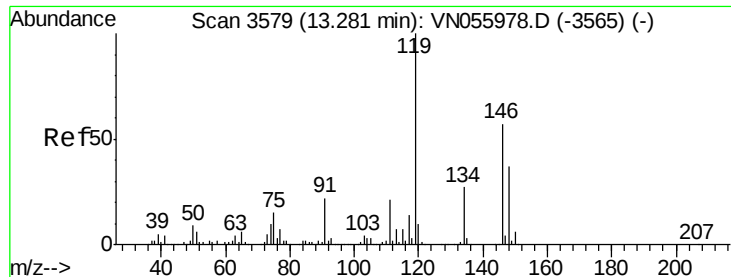
Ion Ratio Lower Upper

119 100

134 27.6 13.4 40.1

91 21.5 10.9 32.9

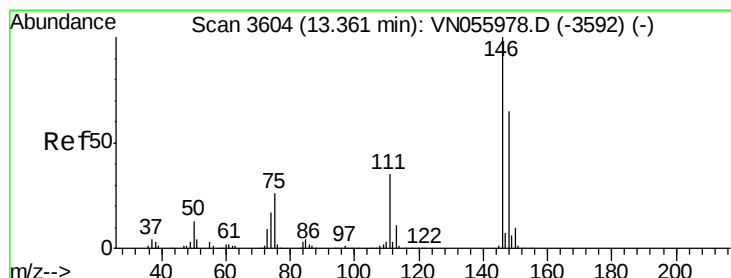
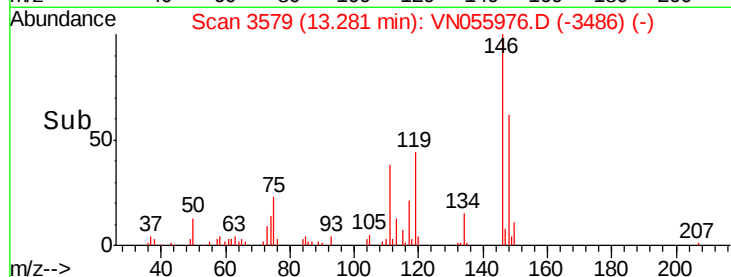
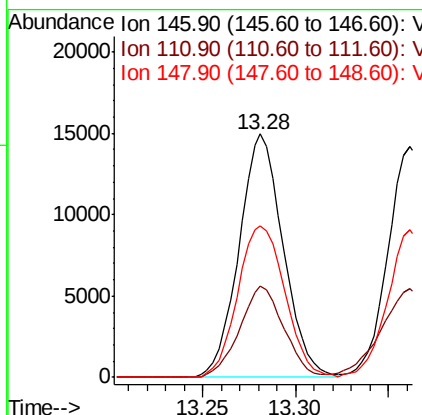
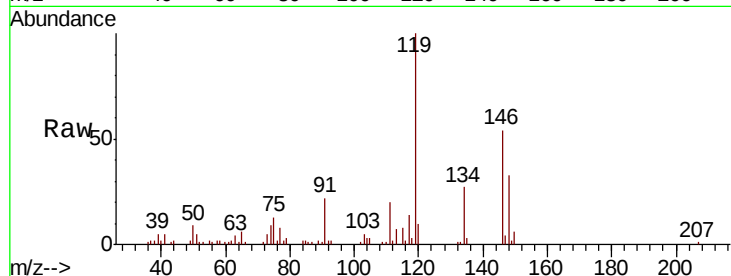




#87
 1,3-Dichlorobenzene
 Concen: 5.008 ug/l
 RT: 13.28 min Scan# 3579
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

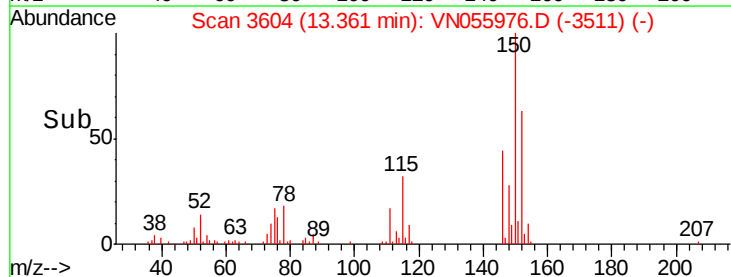
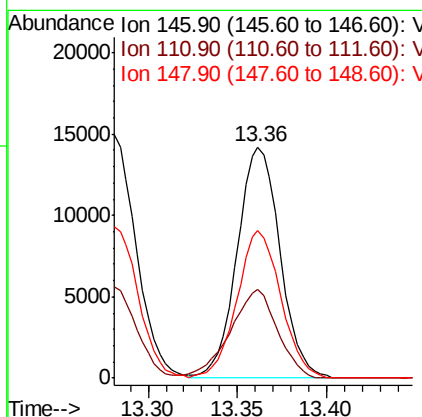
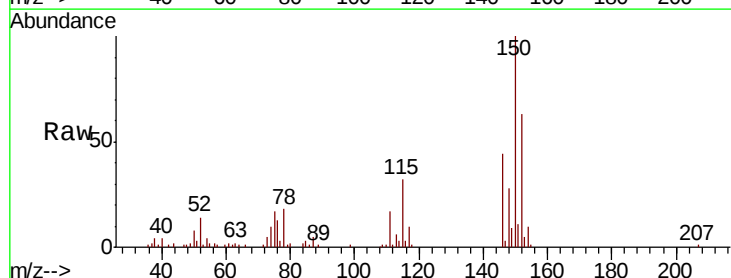
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

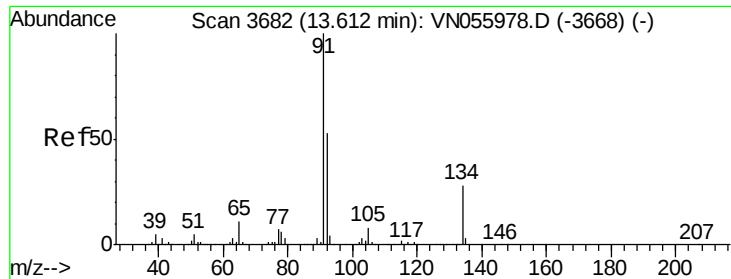
Tot Ion:146 Resp: 24676
 Ion Ratio Lower Upper
 146 100
 111 37.5 18.5 55.5
 148 66.6 32.0 96.2



#88
 1,4-Dichlorobenzene
 Concen: 5.021 ug/l
 RT: 13.36 min Scan# 3604
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

Tgt Ion:146 Resp: 23800
 Ion Ratio Lower Upper
 146 100
 111 42.3 18.1 54.4
 148 65.2 32.1 96.5





#89

n-Butylbenzene

Concen: 4.773 ug/l

RT: 13.61 min Scan# 3682

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

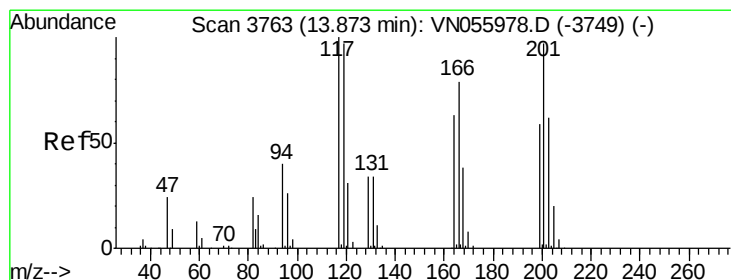
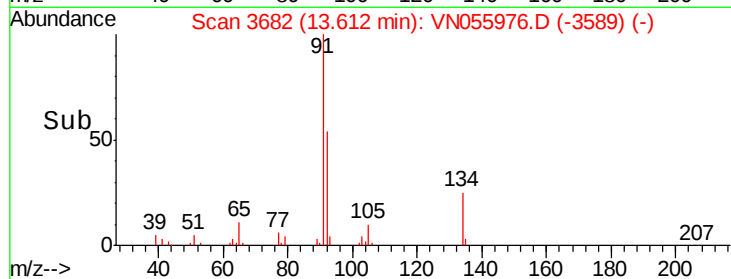
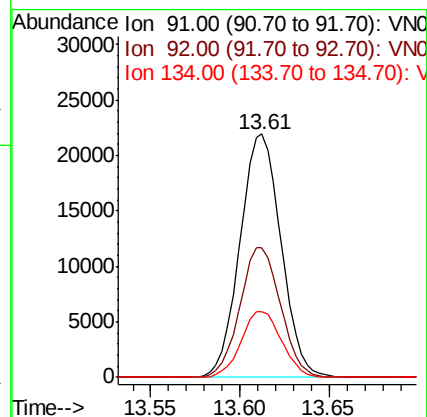
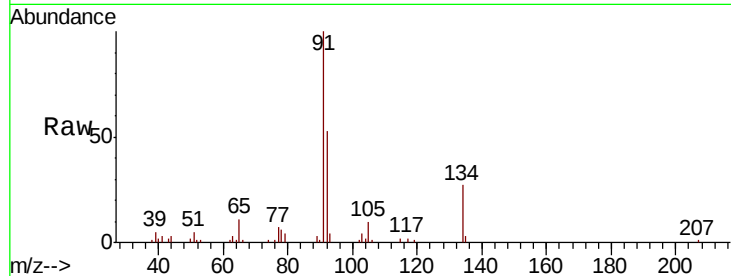
Tot Ion: 91 Resp: 35259

Ion Ratio Lower Upper

91 100

92 52.6 26.4 79.0

134 26.7 13.9 41.7



#90

Hexachloroethane

Concen: 5.183 ug/l

RT: 13.87 min Scan# 3763

Delta R.T. 0.00 min

Lab File: VN055976.D

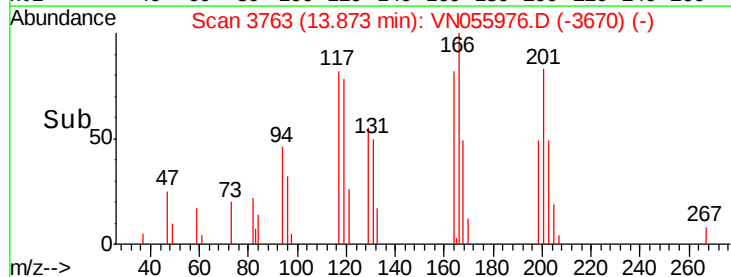
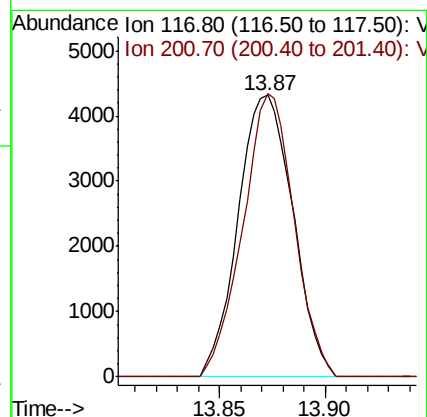
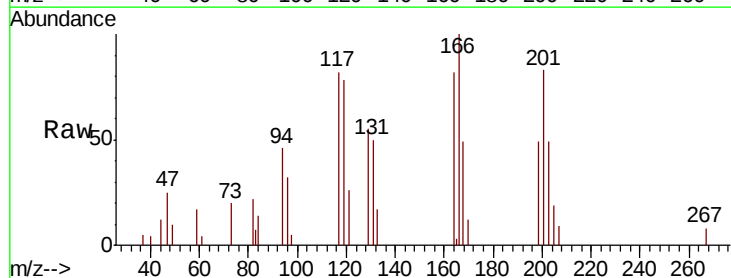
Acq: 4 Jun 2019 8:47

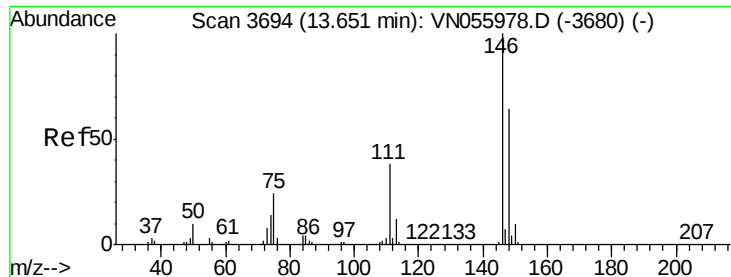
Tgt Ion: 117 Resp: 7794

Ion Ratio Lower Upper

117 100

201 93.8 50.0 150.0





#91

1,2-Dichlorobenzene

Concen: 5.219 ug/l

RT: 13.65 min Scan# 3694

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

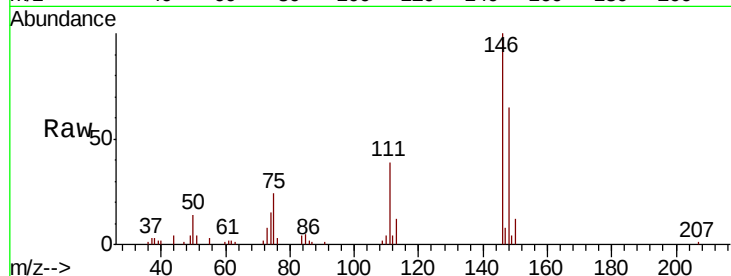
Tot Ion:146 Resp: 25964

Ion Ratio Lower Upper

146 100

111 38.2 19.1 57.5

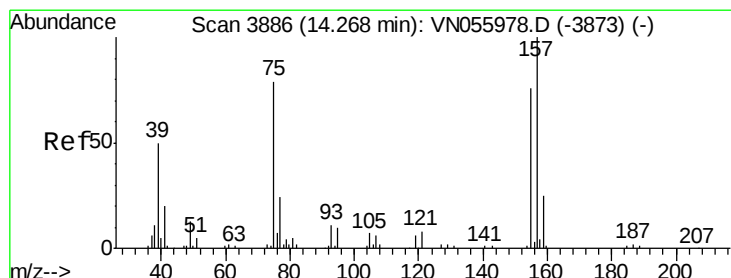
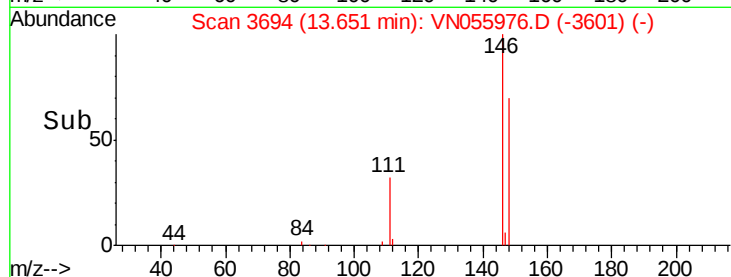
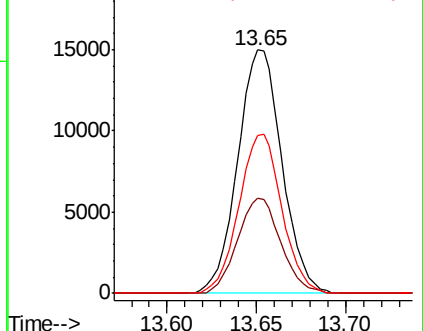
148 63.3 31.9 95.9



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#92

1,2-Dibromo-3-Chloropropane

Concen: 4.571 ug/l

RT: 14.27 min Scan# 3887

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

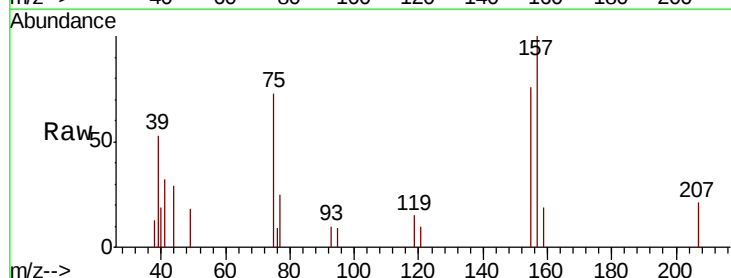
Tgt Ion: 75 Resp: 2257

Ion Ratio Lower Upper

75 100

155 97.7 50.0 150.1

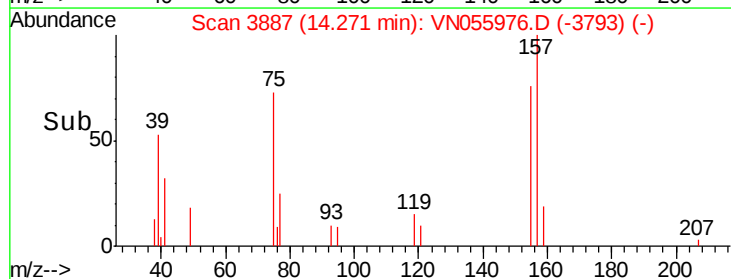
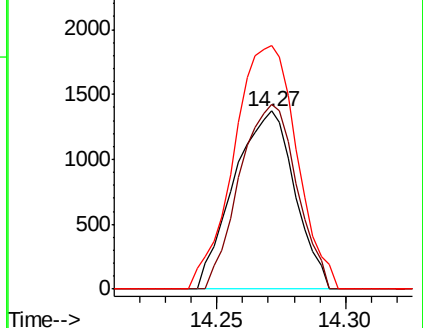
157 141.6 64.8 194.3

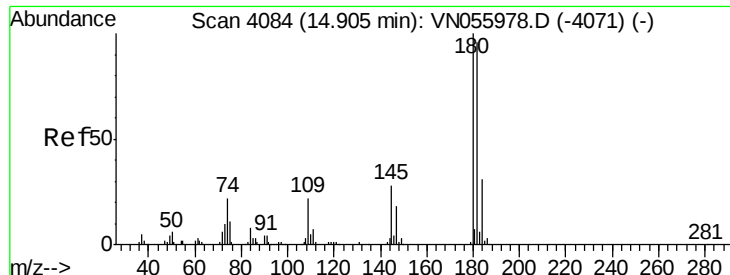


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V

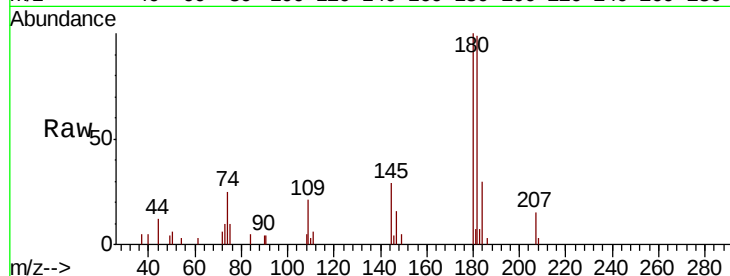




#93
 1,2,4-Trichlorobenzene
 Concen: 7.066 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

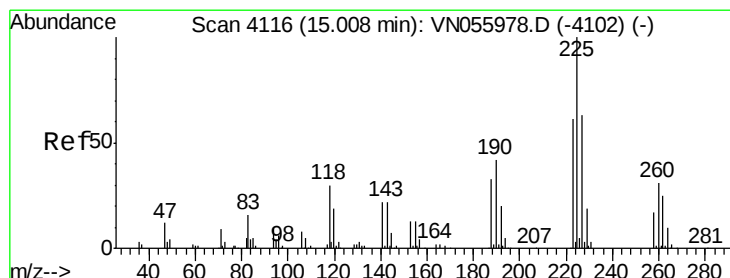
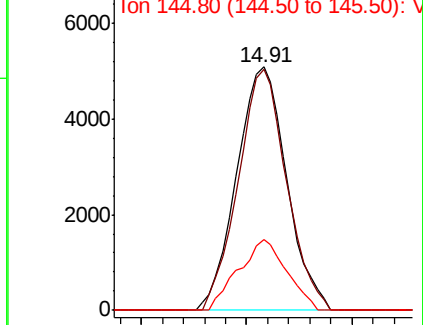
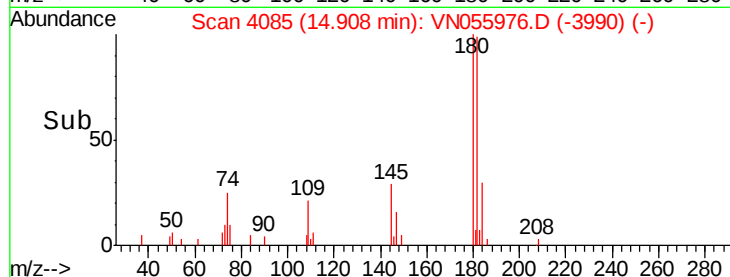
Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDIC005

Tot Ion:180 Resp: 8381
 Ion Ratio Lower Upper
 180 100
 182 95.5 48.3 144.9
 145 27.9 14.0 41.9



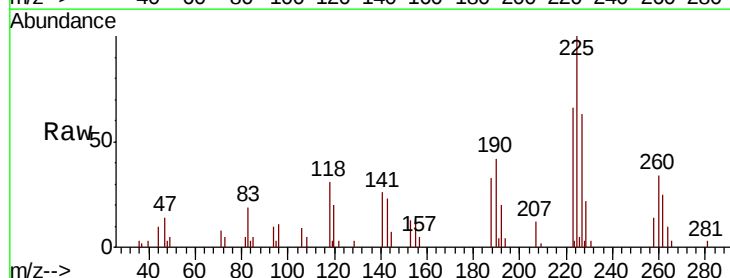
Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

14.91



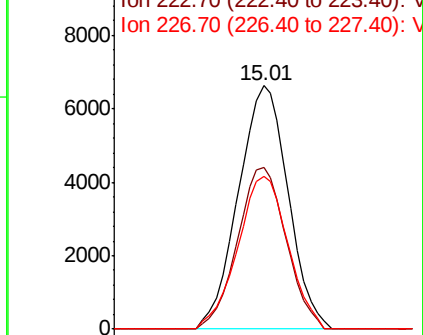
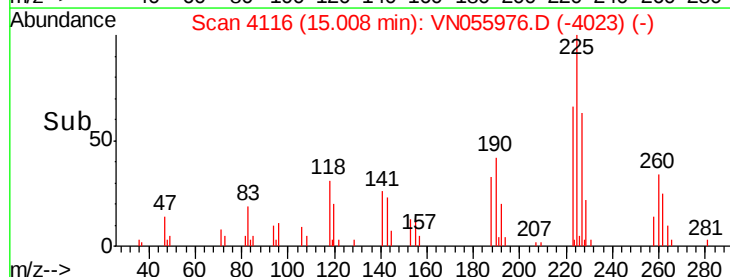
#94
 Hexachlorobutadiene
 Concen: 4.477 ug/l
 RT: 15.01 min Scan# 4116
 Delta R.T. 0.00 min
 Lab File: VN055976.D
 Acq: 4 Jun 2019 8:47

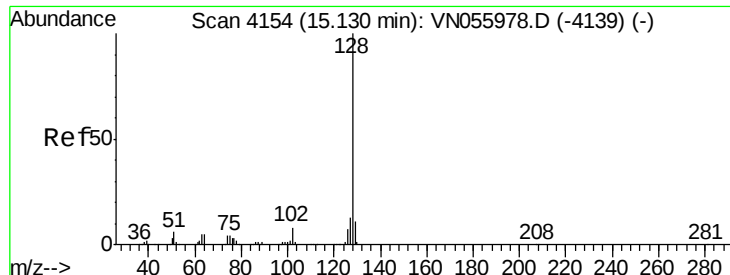
Tgt Ion:225 Resp: 10878
 Ion Ratio Lower Upper
 225 100
 223 64.9 30.9 92.7
 227 63.3 31.6 94.7



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

15.01





#95

Naphthalene

Concen: 6.673 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

Instrument :

MSVOA_N

ClientSampleId :

VSTDIC005

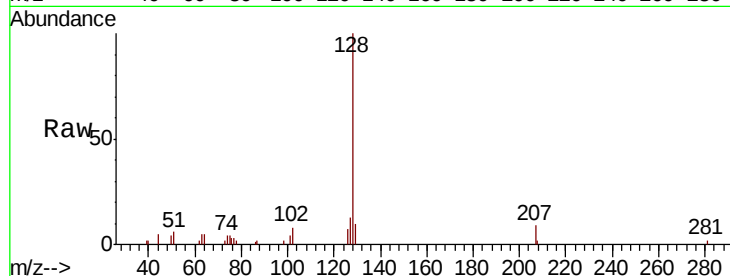
Tot Ion:128 Resp: 21742

Ion Ratio Lower Upper

128 100

127 12.3 10.3 15.5

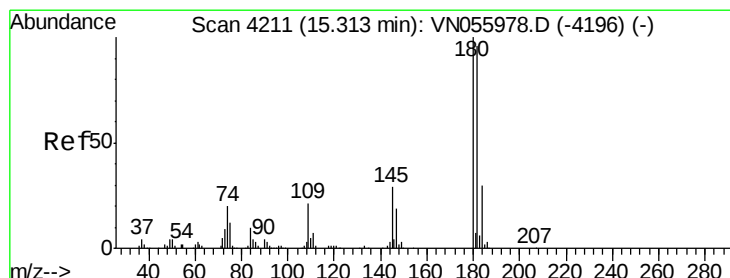
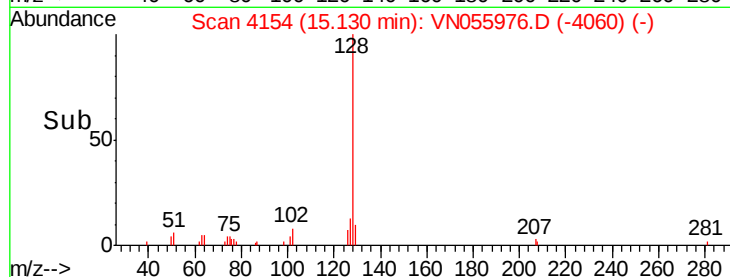
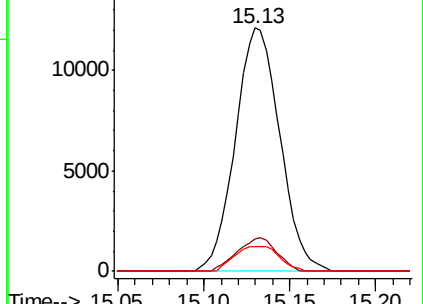
129 10.2 8.7 13.1



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: 6.345 ug/l

RT: 15.31 min Scan# 4211

Delta R.T. 0.00 min

Lab File: VN055976.D

Acq: 4 Jun 2019 8:47

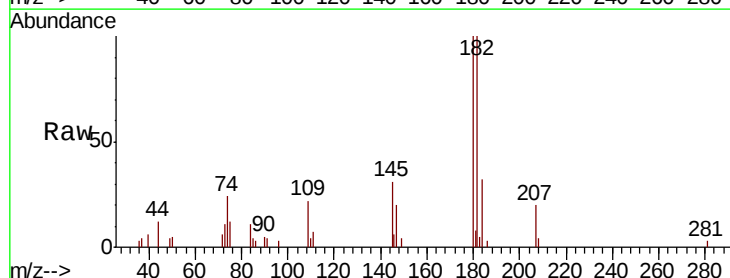
Tgt Ion:180 Resp: 9857

Ion Ratio Lower Upper

180 100

182 98.3 47.9 143.7

145 30.1 14.9 44.7



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

