

Data File : VV012215.D
Acq On : 13 Aug 2019 15:00
Operator : SY/MD
Sample : VSTD00136
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Quant Time: Aug 14 02:04:26 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR081319WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Aug 14 02:01:27 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	202597	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	196999	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	93388	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	12085	1.33	ug/L	0.00
7) Chloroethane-d5	1.58	69	9363	1.35	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	18185	1.03	ug/L	0.00
20) 2-Butanone-d5	3.99	46	23553	10.24	ug/L	0.02
24) Chloroform-d	4.40	84	23922	0.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	11030	0.88	ug/L	0.00
32) Benzene-d6	5.09	84	44994	0.93	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13150	1.01	ug/L	0.00
41) Toluene-d8	7.36	98	38750	0.80	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5418	0.85	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	12354	6.01	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	9117	0.87	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	14693	0.88	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	18209	0.943 ug/L	98
3) Chloromethane	1.25	50	16851	1.625 ug/L	95
5) Vinyl chloride	1.32	62	17545	1.515 ug/L	98
6) Bromomethane	1.53	94	9567	1.443 ug/L	97
8) Chloroethane	1.60	64	9794	1.505 ug/L	92
9) Trichlorofluoromethane	1.77	101	22130	1.104 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	10328	1.120 ug/L	97
12) 1,1-Dichloroethene	2.14	96	9276	1.094 ug/L	97
13) Acetone	2.23	43	12636	9.126 ug/L	77
14) Carbon disulfide	2.31	76	30009	1.257 ug/L	99
15) Methyl Acetate	2.47	43	3712	1.194 ug/L	95
16) Methylene chloride	2.53	84	12547	1.379 ug/L	91
17) Methyl tert-butyl Ether	2.81	73	29323	1.034 ug/L	96
18) trans-1,2-Dichloroethene	2.78	96	14439	1.163 ug/L	95
19) 1,1-Dichloroethane	3.22	63	24548	1.168 ug/L	97
21) 2-Butanone	4.05	43	8984	3.561 ug/L	# 1
22) cis-1,2-Dichloroethene	3.96	96	14086	1.021 ug/L	96
23) Bromochloromethane	4.30	128	6321	0.981 ug/L	98
25) Chloroform	4.42	83	29540	1.135 ug/L	96
27) 1,2-Dichloroethane	5.18	62	15142	0.983 ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	22305	0.911 ug/L	99
30) Cyclohexane	4.71	56	20609	1.092 ug/L	99
31) Carbon tetrachloride	4.87	117	19896	0.850 ug/L	96
33) Benzene	5.14	78	53455	1.053 ug/L	100
34) Trichloroethene	5.96	95	14710	1.001 ug/L	97
35) Methylcyclohexane	6.17	83	20983	0.907 ug/L	95
37) 1,2-Dichloropropane	6.22	63	13334	1.162 ug/L	99
38) Bromodichloromethane	6.55	83	17360	0.952 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	16410	0.839 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	65631	10.120 ug/L	99

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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	54482	0.936	ug/L	96
44) trans-1,3-Dichloropropene	7.69	75	13837	0.902	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	8560	0.927	ug/L	98
47) Tetrachloroethene	8.02	164	12161	0.885	ug/L	95
48) 2-Hexanone	8.19	43	44628	9.780	ug/L	99
49) Dibromochloromethane	8.29	129	10495	0.793	ug/L	90
50) 1,2-Dibromoethane	8.40	107	8805	0.969	ug/L	92
51) Chlorobenzene	8.92	112	37281	0.957	ug/L	99
52) Ethylbenzene	9.05	91	56860	0.876	ug/L	99
53) m,p-xylene	9.18	106	21027	0.828	ug/L	94
54) o-xylene	9.59	106	19560	0.800	ug/L	91
55) Styrene	9.60	104	31710	0.777	ug/L	99
56) Isopropylbenzene	9.97	105	52093	0.776	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	9831	0.958	ug/L #	98
59) 1,2,3-Trichloropropane	10.32	75	7604	0.968	ug/L	90
61) Bromoform	9.77	173	5362	0.760	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	28001	0.947	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	28429	0.962	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	25496	0.933	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	1744	1.012	ug/L #	83
67) 1,3,5-Trichlorobenzene	12.69	180	20653	0.840	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	13910	0.696	ug/L	97
69) Naphthalene	13.55	128	15709	0.493	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	13648	0.714	ug/L	93

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

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Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

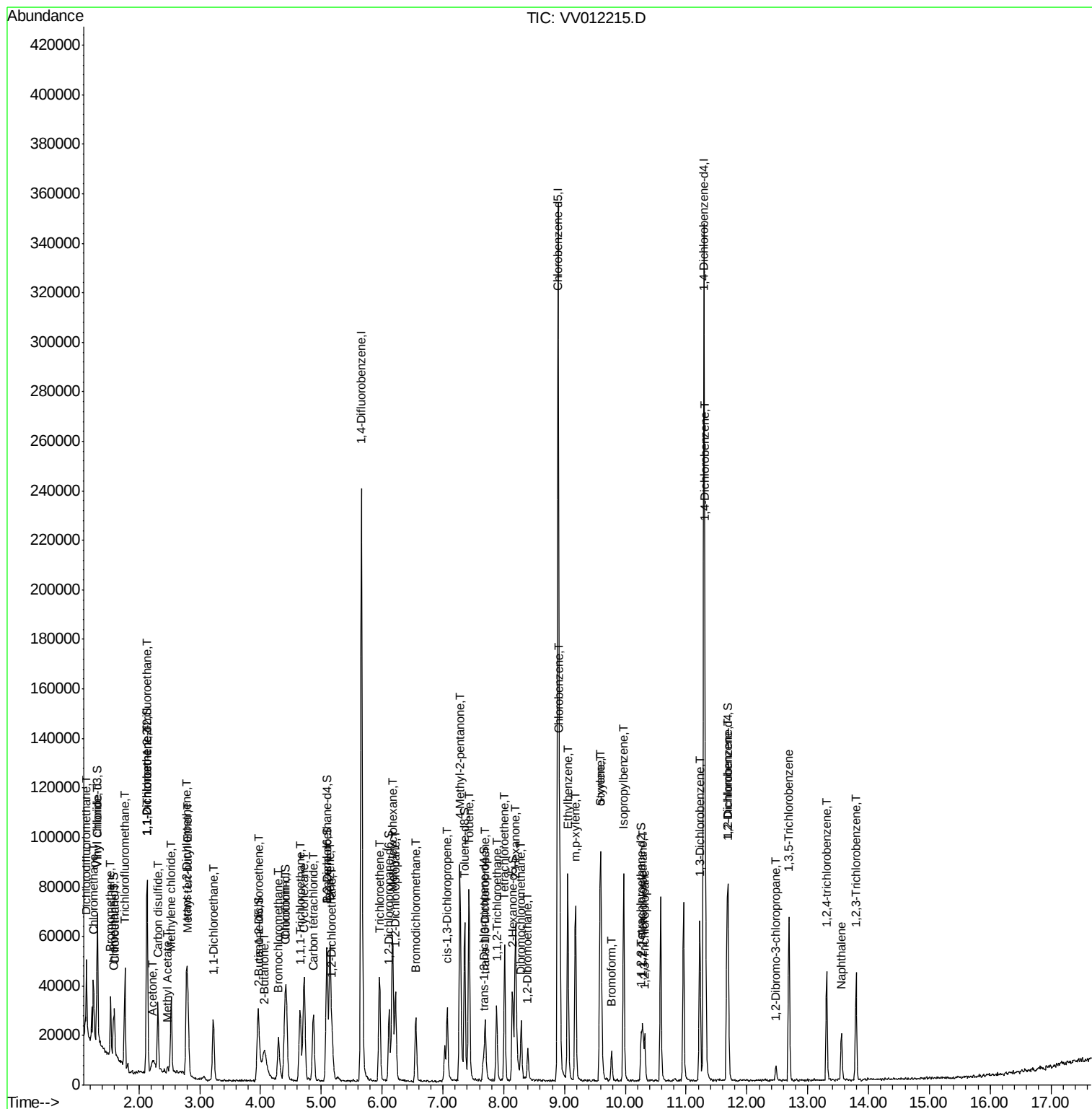
Quant Time: Aug 14 02:04:26 2019

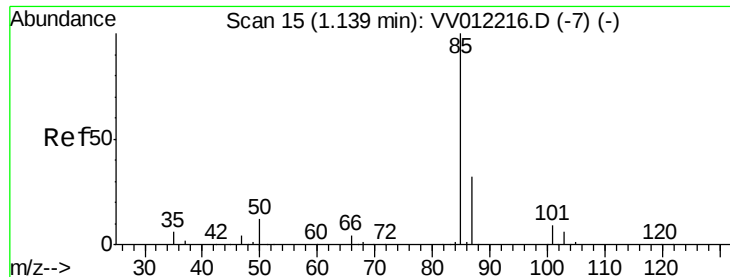
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\S0MVTR081319WMA.M

Quant Title : TRACE VOA SOM01.0

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#2

Dichlorodifluoromethane

Concen: 0.943 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

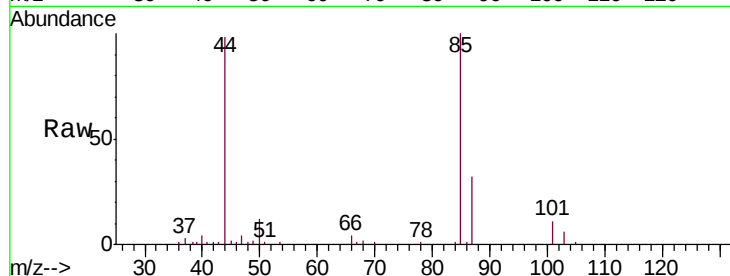
VSTD00136

Tgt Ion: 85 Resp: 18209

Ion Ratio Lower Upper

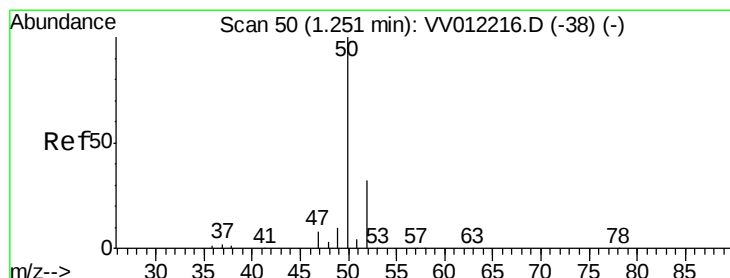
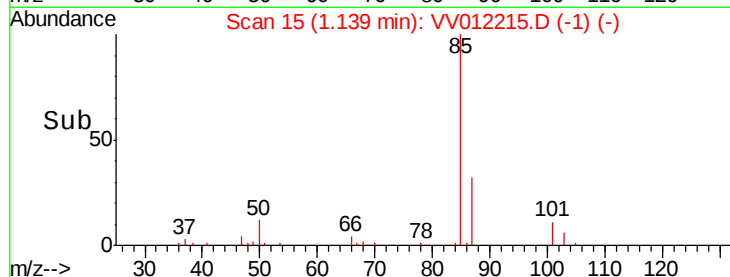
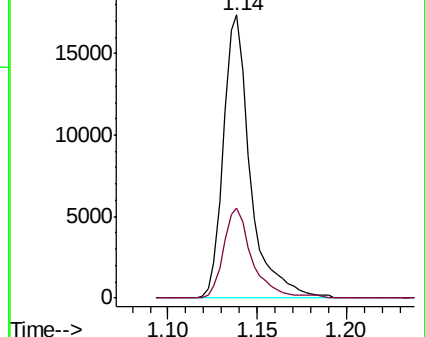
85 100

87 33.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV012215.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV012215.D (-7) (-)



#3

Chloromethane

Concen: 1.625 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV012215.D

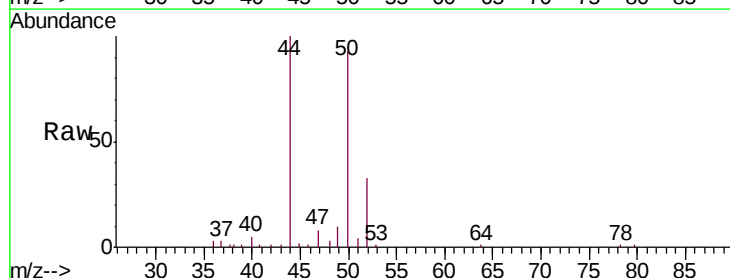
Acq: 13 Aug 2019 15:00

Tgt Ion: 50 Resp: 16851

Ion Ratio Lower Upper

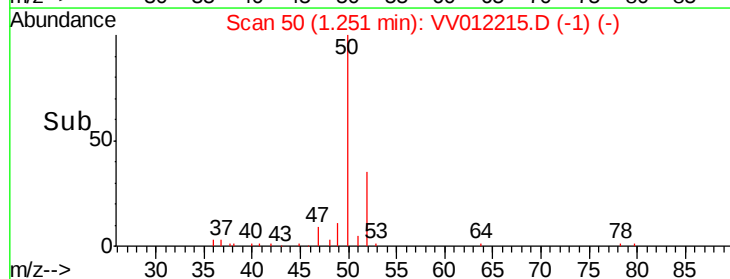
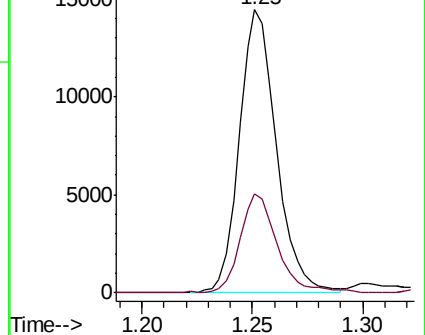
50 100

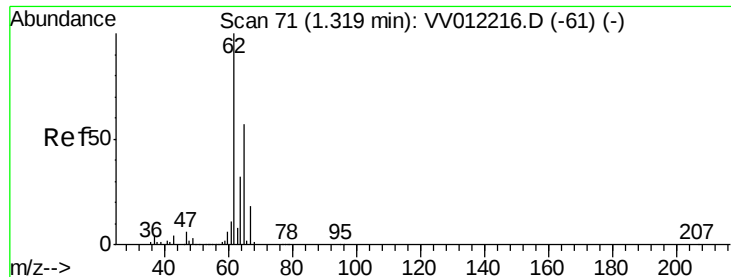
52 34.9 22.6 42.0



Abundance Ion 50.05 (49.75 to 50.75): VV012215.D (-38) (-)

Ion 52.05 (51.75 to 52.75): VV012215.D (-38) (-)





#5

Vinyl chloride

Concen: 1.515 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

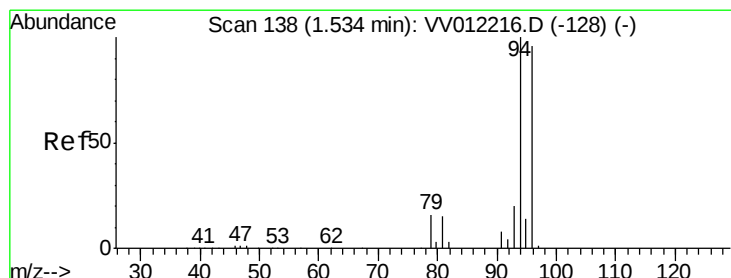
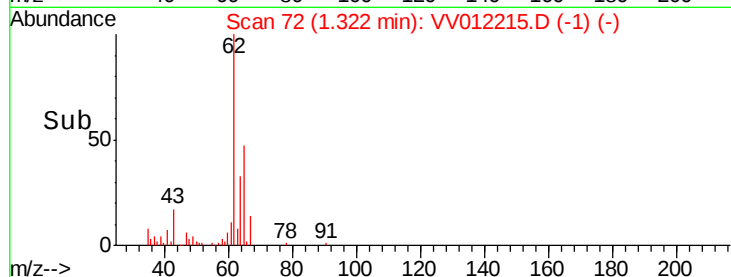
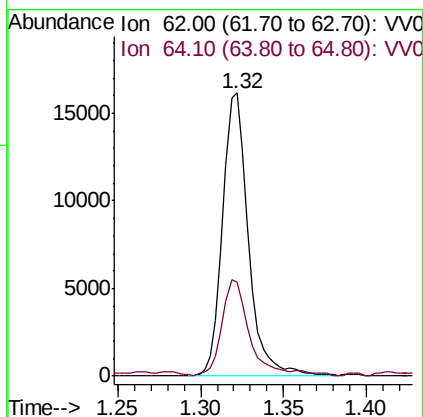
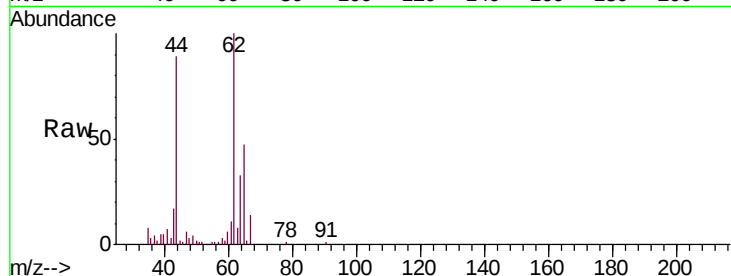
VSTD00136

Tgt Ion: 62 Resp: 17545

Ion Ratio Lower Upper

62 100

64 33.3 22.7 42.1



#6

Bromomethane

Concen: 1.443 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV012215.D

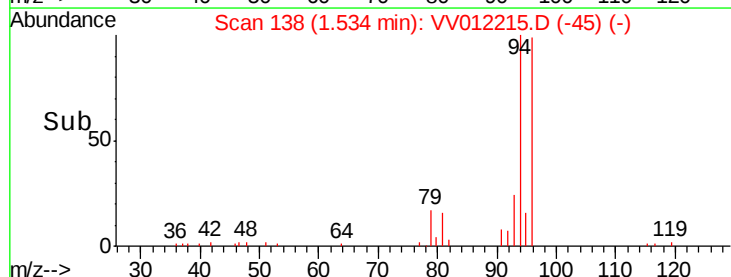
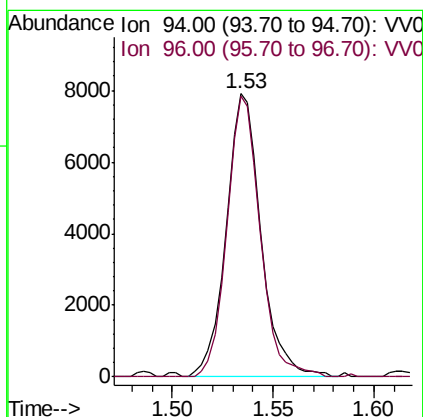
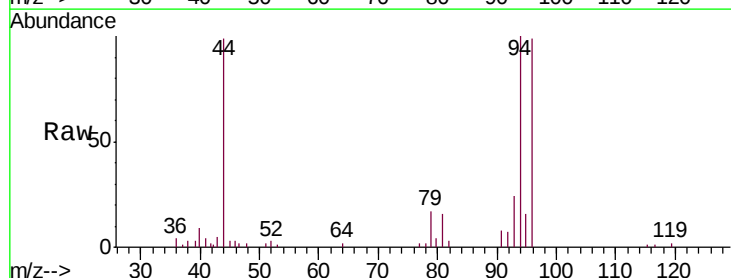
Acq: 13 Aug 2019 15:00

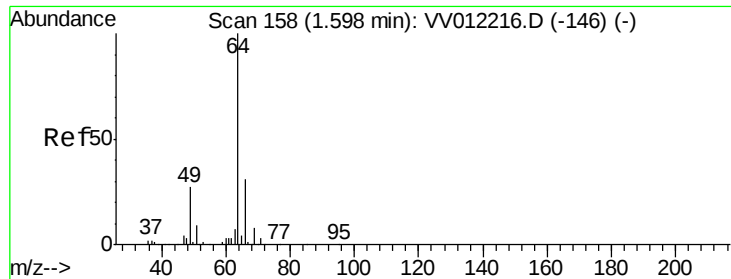
Tgt Ion: 94 Resp: 9567

Ion Ratio Lower Upper

94 100

96 99.4 67.3 125.1

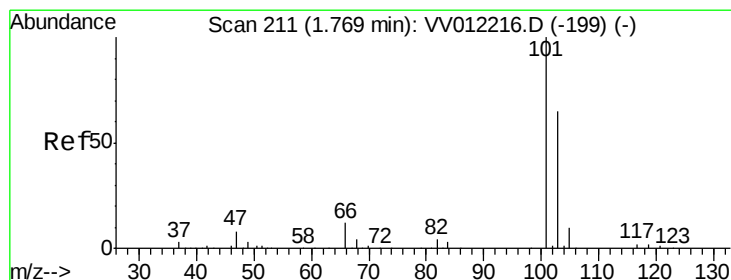
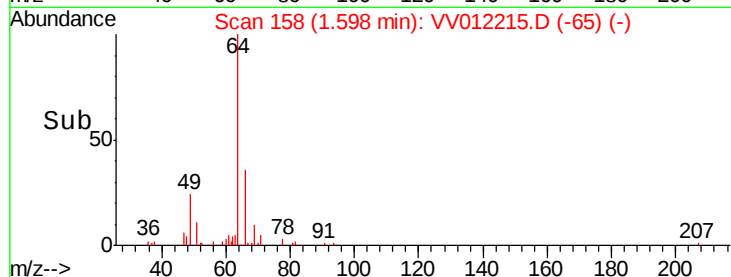
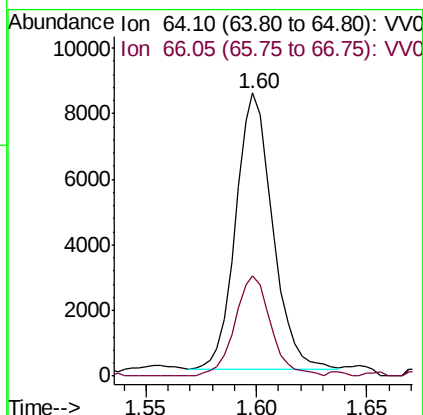
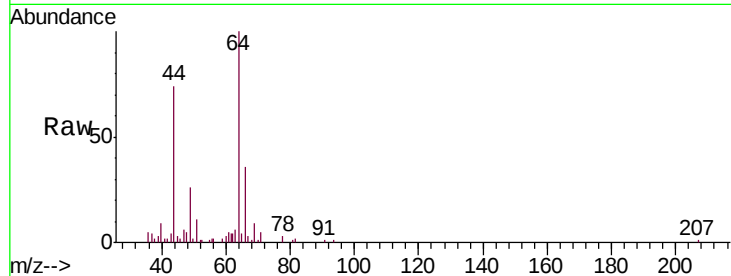




#8
Chloroethane
Concen: 1.505 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

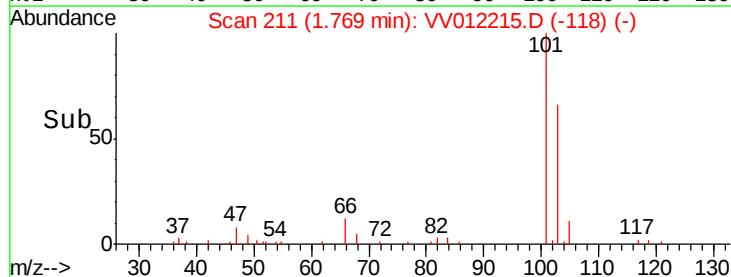
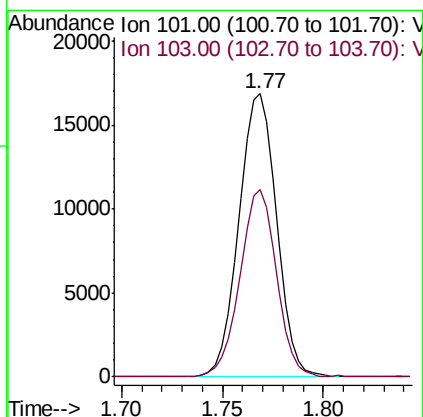
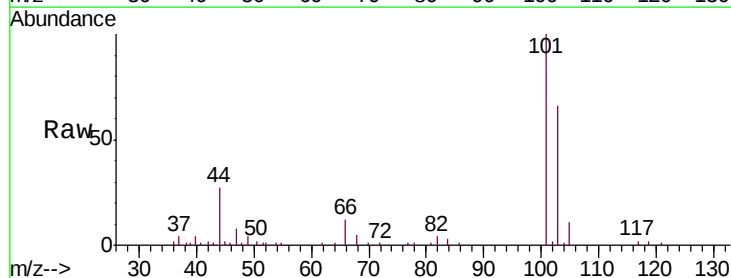
Instrument :
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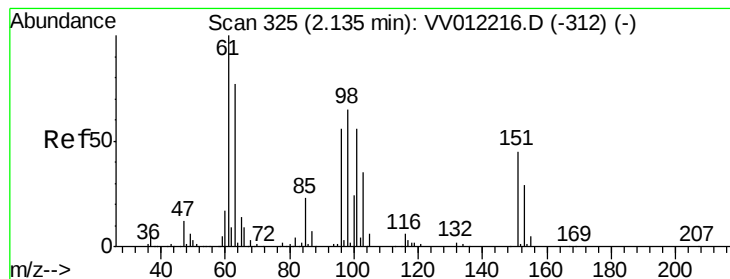
Tgt Ion: 64 Resp: 9794
Ion Ratio Lower Upper
64 100
66 35.6 21.8 40.4



#9
Trichlorofluoromethane
Concen: 1.104 ug/L
RT: 1.77 min Scan# 211
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Tgt Ion: 101 Resp: 22130
Ion Ratio Lower Upper
101 100
103 64.0 52.0 78.0





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.120 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

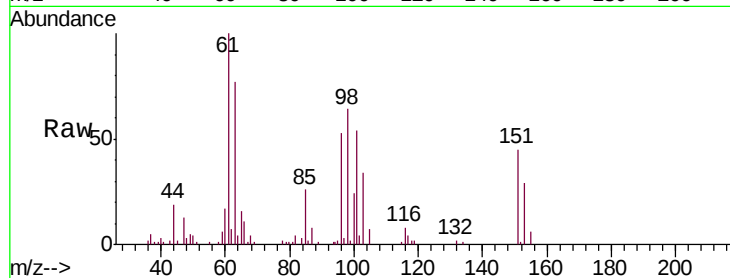
Tgt Ion: 101 Resp: 10328

Ion Ratio Lower Upper

101 100

85 45.9 33.7 50.5

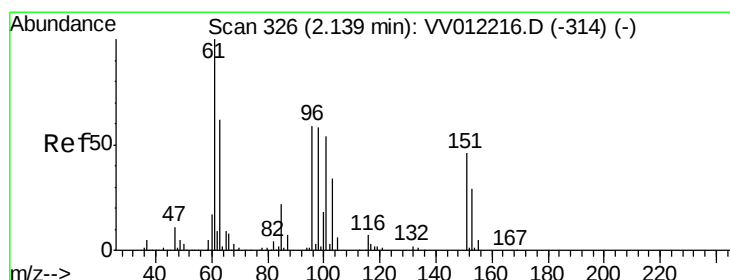
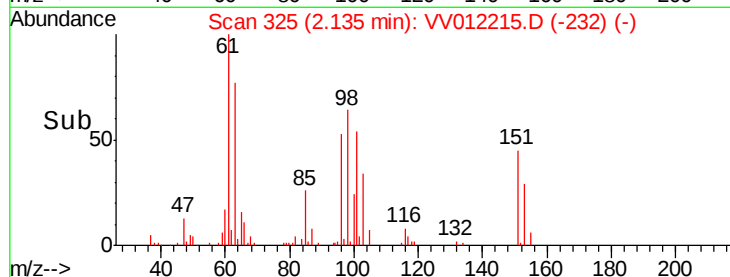
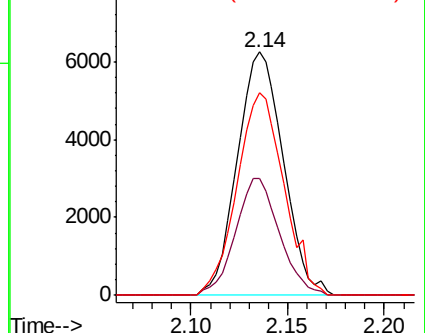
151 84.8 66.3 99.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 1.094 ug/L

RT: 2.14 min Scan# 326

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

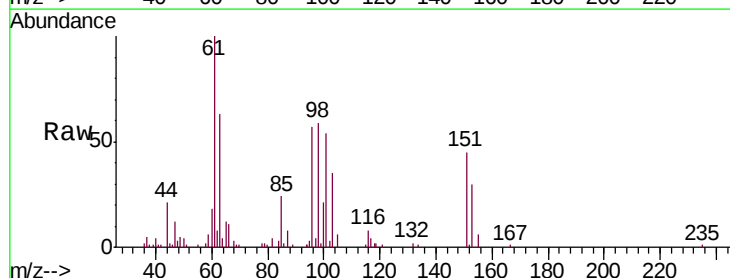
Tgt Ion: 96 Resp: 9276

Ion Ratio Lower Upper

96 100

61 174.7 119.3 221.5

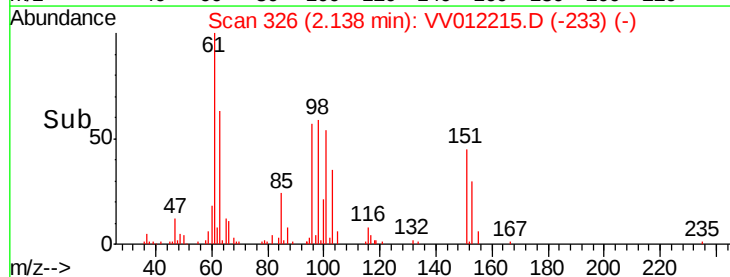
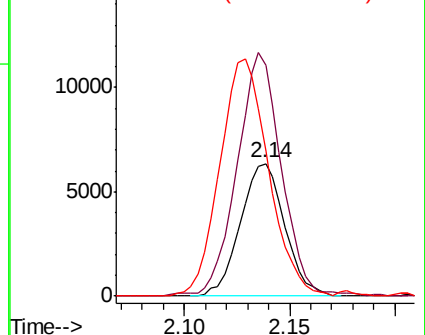
63 109.6 74.9 139.1

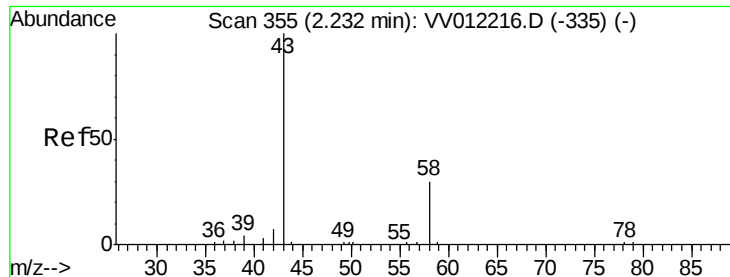


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 9.126 ug/L

RT: 2.23 min Scan# 354

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

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ClientSampleId :

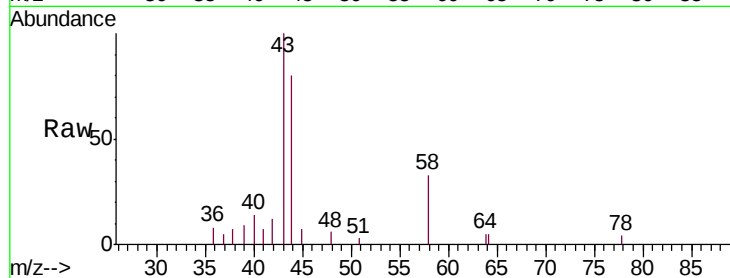
VSTD00136

Tgt Ion: 43 Resp: 12636

Ion Ratio Lower Upper

43 100

58 17.0 0.0 59.4



Abundance Ion 43.05 (42.75 to 43.75): VV012216.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV012216.D (-335) (-)

2.23

3000

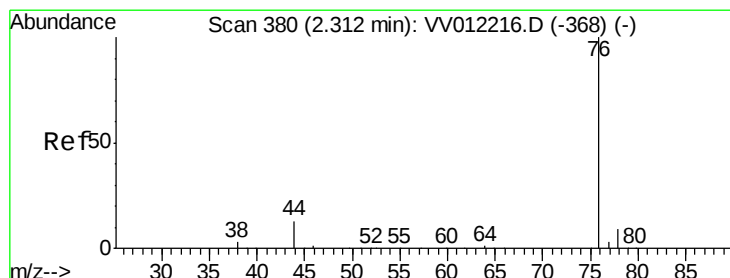
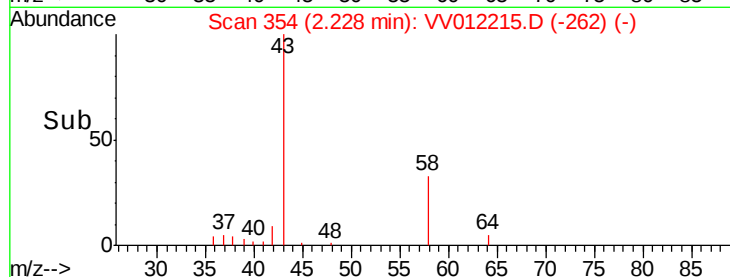
2000

1000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 1.257 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV012215.D

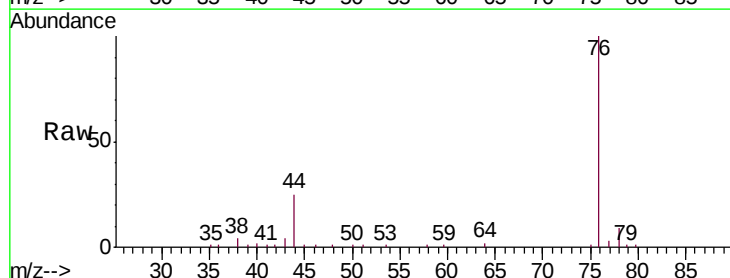
Acq: 13 Aug 2019 15:00

Tgt Ion: 76 Resp: 30009

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.05 (75.75 to 76.75): VV012216.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV012216.D (-368) (-)

2.31

20000

15000

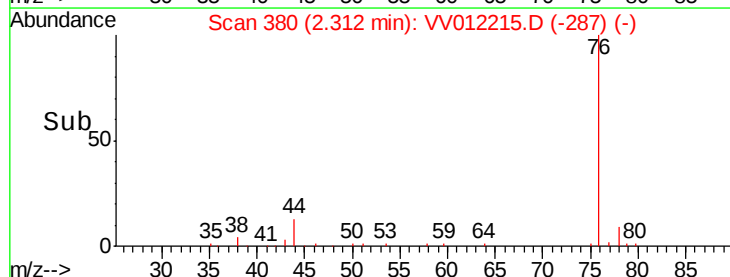
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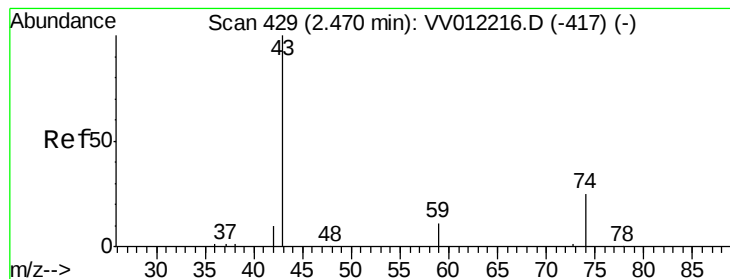
5000

0

Time-->

2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 1.194 ug/L

RT: 2.47 min Scan# 430

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

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ClientSampleId :

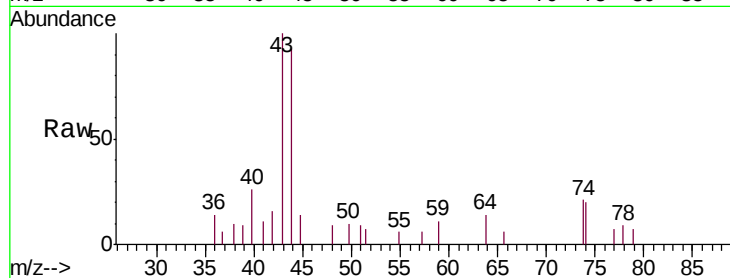
VSTD00136

Tgt Ion: 43 Resp: 3712

Ion Ratio Lower Upper

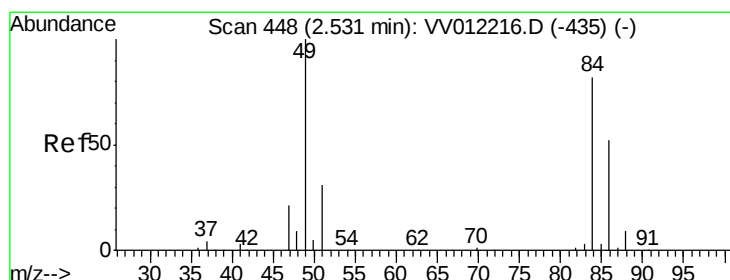
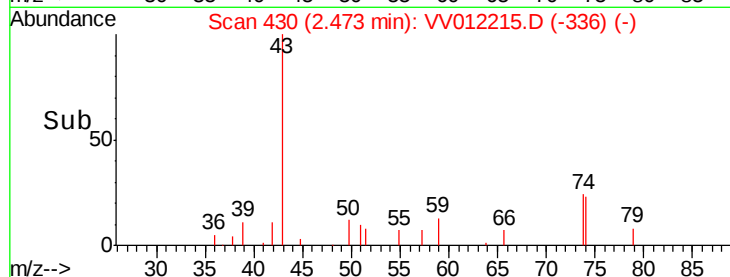
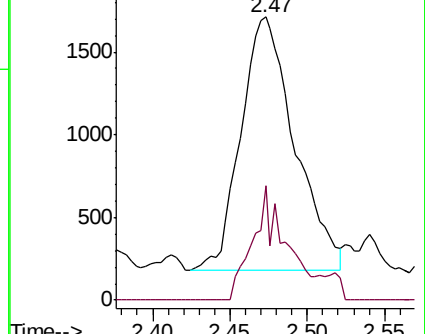
43 100

74 27.9 20.3 30.5



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 1.379 ug/L

RT: 2.53 min Scan# 448

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

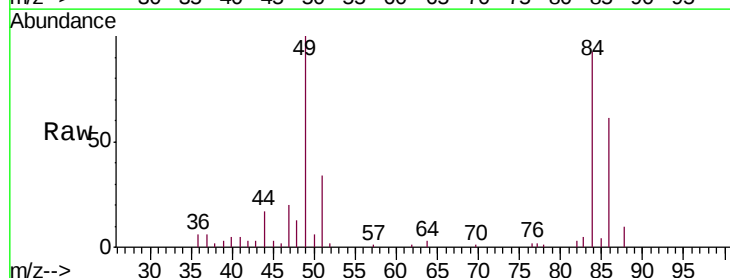
Tgt Ion: 84 Resp: 12547

Ion Ratio Lower Upper

84 100

86 65.6 44.4 82.5

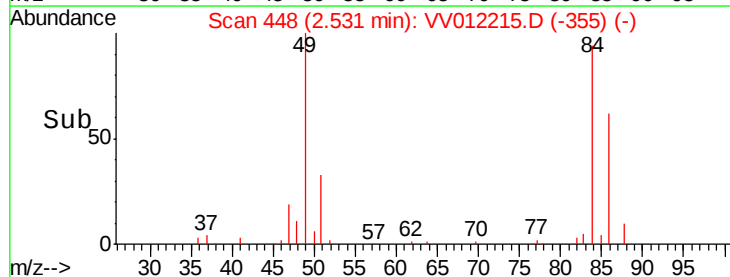
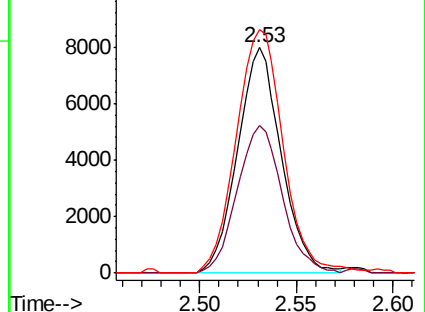
49 107.9 85.1 158.1

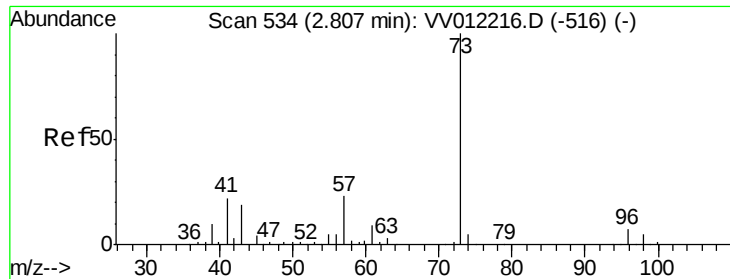


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

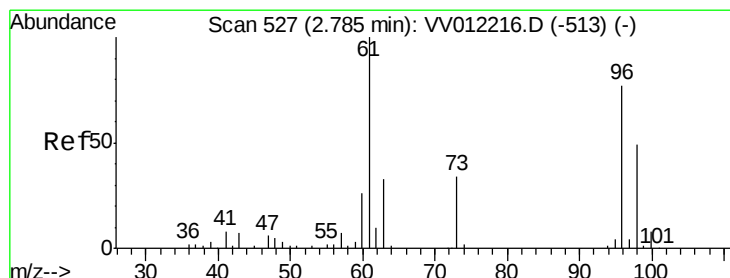
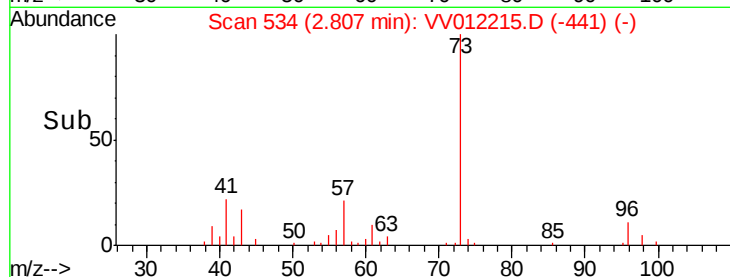
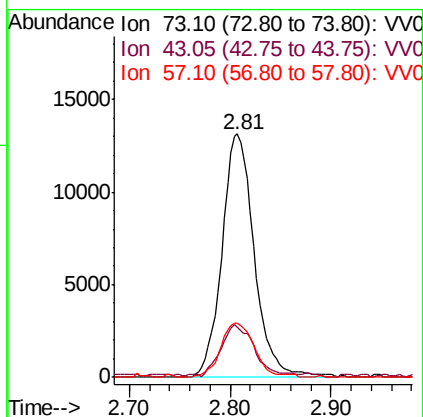
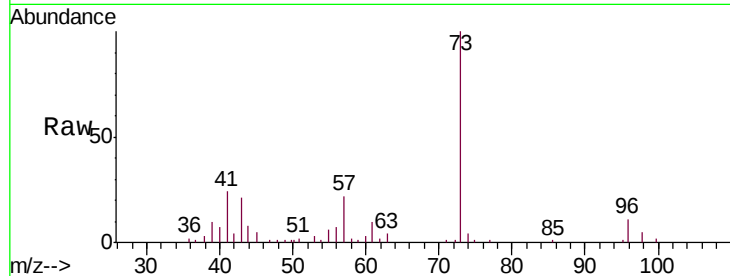




#17
Methyl tert-butyl Ether
Concen: 1.034 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

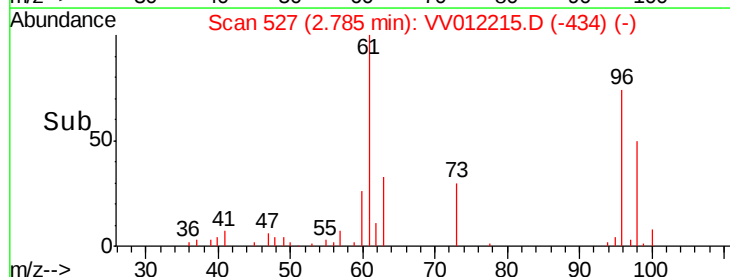
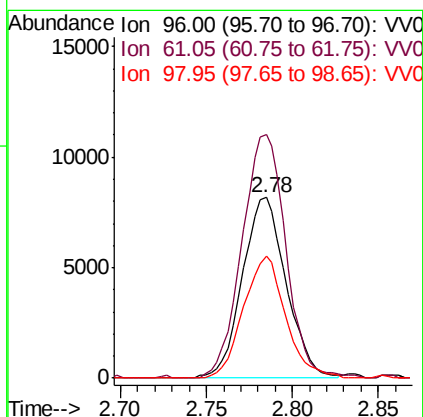
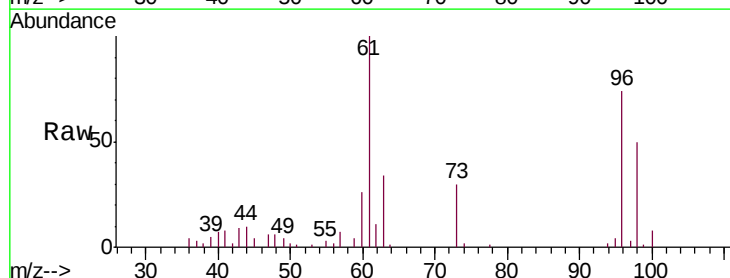
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

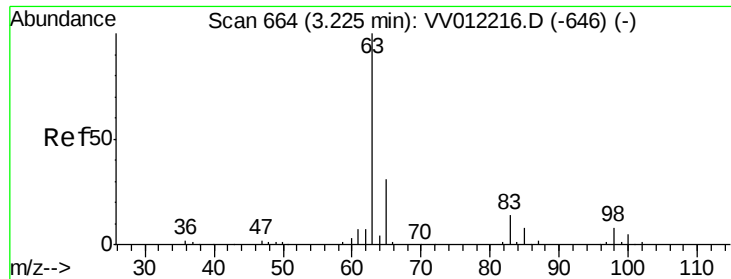
Tgt Ion: 73 Resp: 29323
Ion Ratio Lower Upper
73 100
43 22.3 15.4 23.0
57 23.3 17.8 26.6



#18
trans-1,2-Dichloroethene
Concen: 1.163 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Tgt Ion: 96 Resp: 14439
Ion Ratio Lower Upper
96 100
61 134.7 90.8 168.6
98 67.7 44.4 82.4

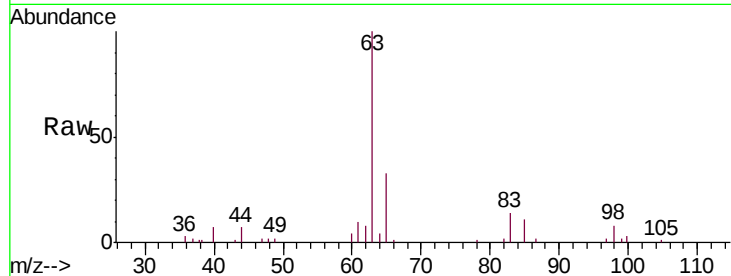




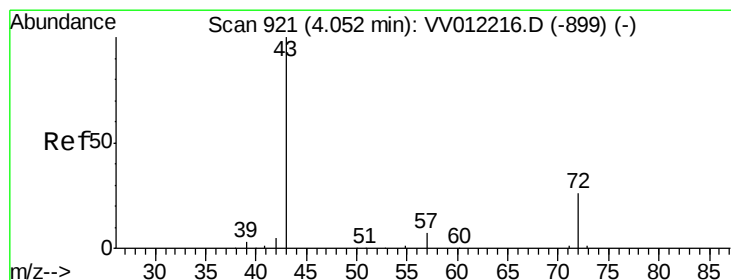
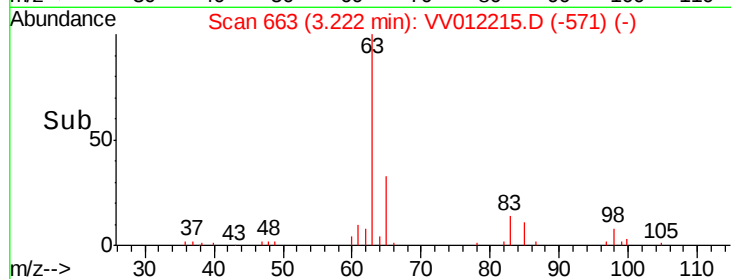
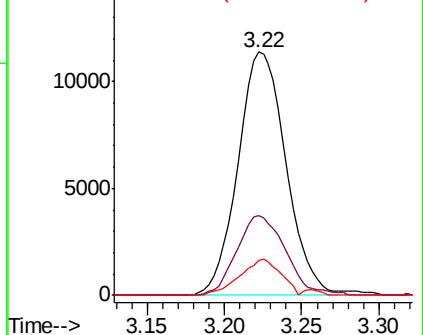
#19
 1,1-Dichloroethane
 Concen: 1.168 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion: 63 Resp: 24548
 Ion Ratio Lower Upper
 63 100
 65 32.9 21.7 40.3
 83 14.3 10.1 18.9

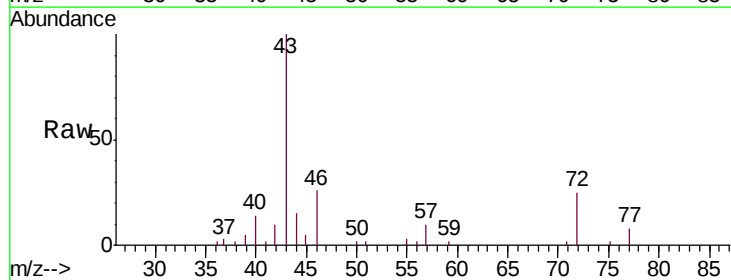


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

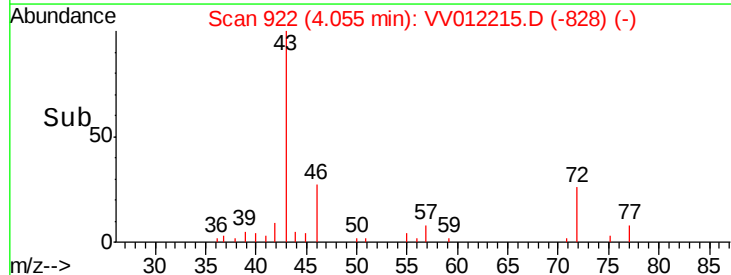
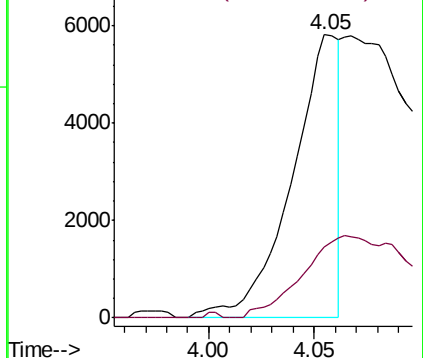


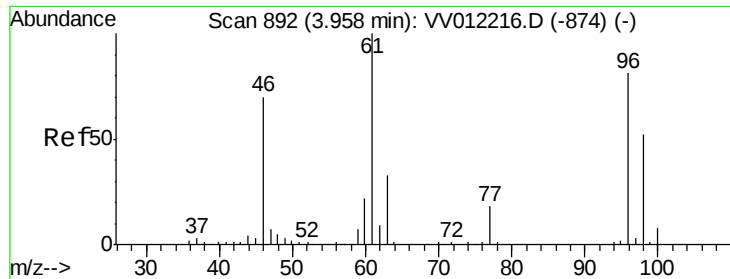
#21
 2-Butanone
 Concen: 3.561 ug/L
 RT: 4.05 min Scan# 922
 Delta R.T. 0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion: 43 Resp: 8984
 Ion Ratio Lower Upper
 43 100
 72 85.7 12.9 38.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0
 Ion 72.10 (71.80 to 72.80): VV0

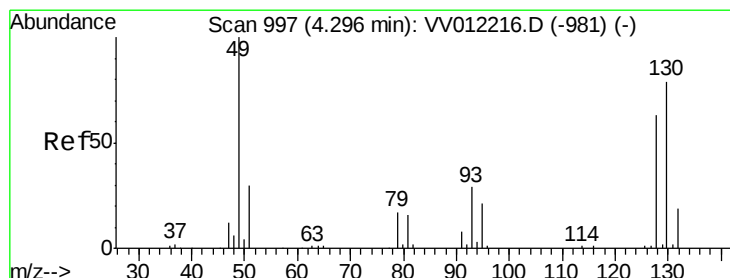
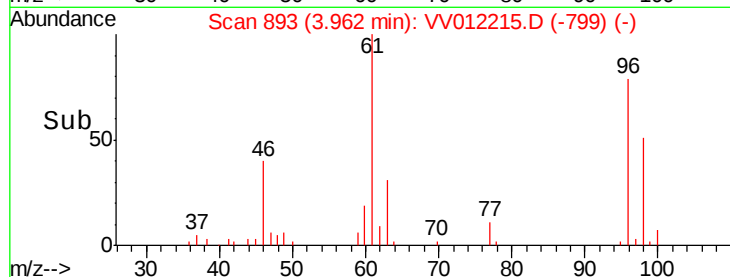
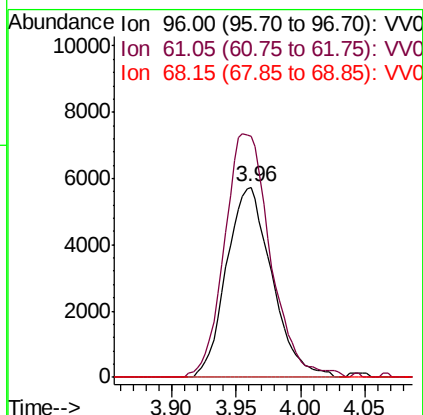
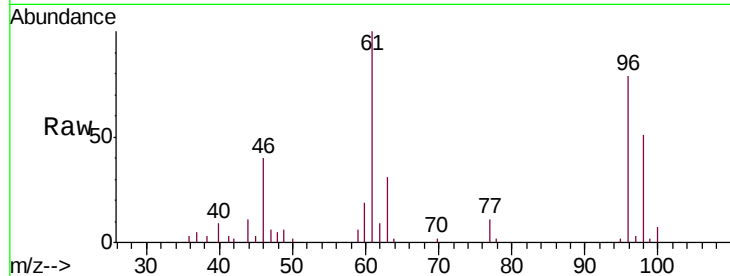




#22
 cis-1,2-Dichloroethene
 Concen: 1.021 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

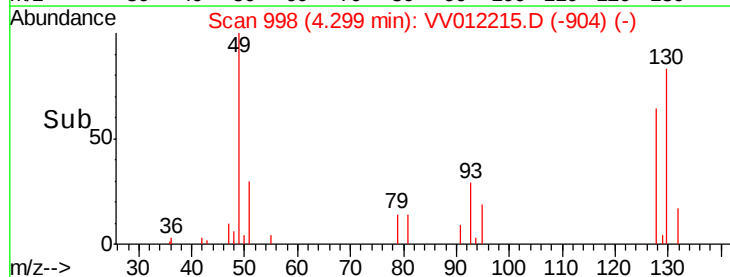
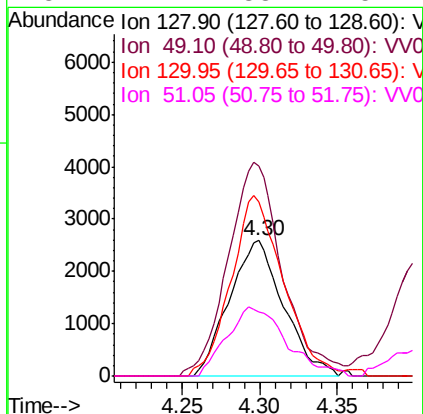
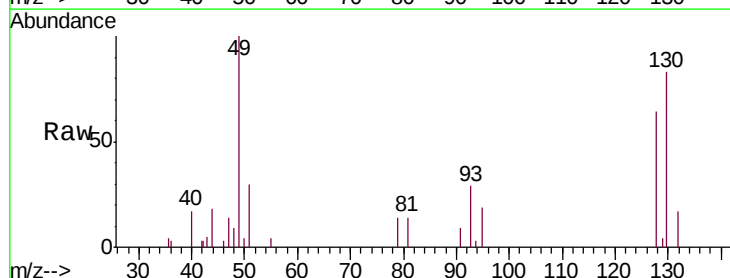
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

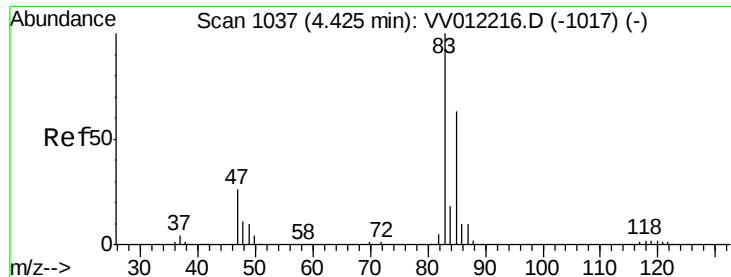
Tgt Ion: 96 Resp: 14086
 Ion Ratio Lower Upper
 96 100
 61 127.0 86.0 159.6
 68 0.0 0.0 0.0



#23
 Bromochloromethane
 Concen: 0.981 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. 0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion: 128 Resp: 6321
 Ion Ratio Lower Upper
 128 100
 49 161.9 111.5 207.1
 130 128.3 87.4 162.4
 51 47.1 38.2 57.2

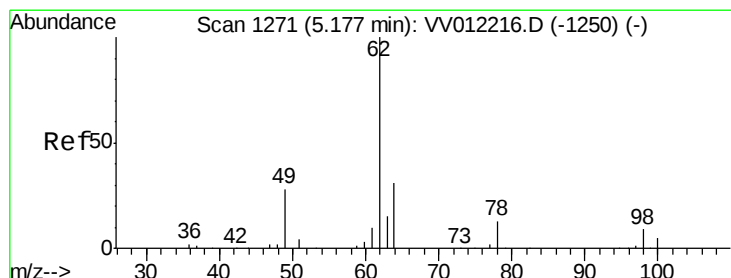
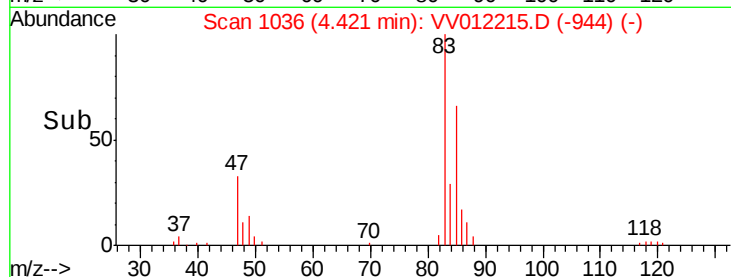
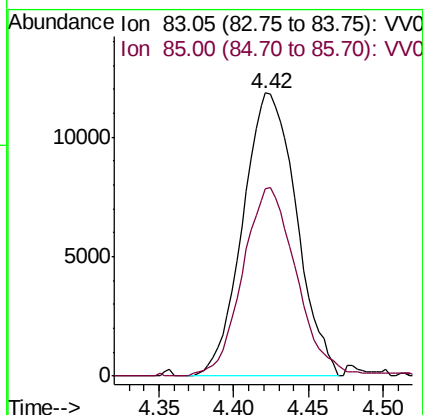
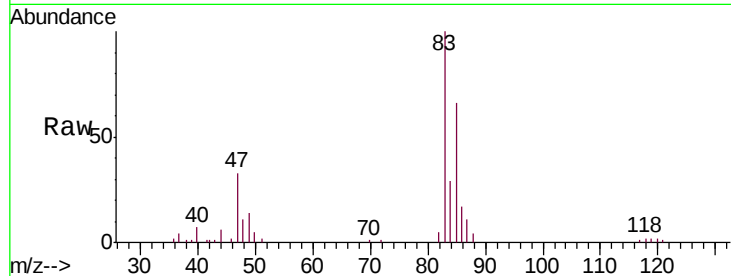




#25
Chloroform
Concen: 1.135 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

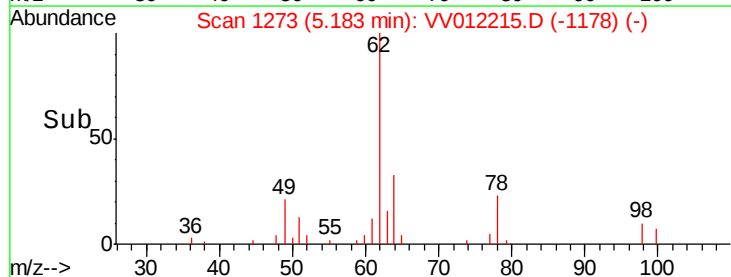
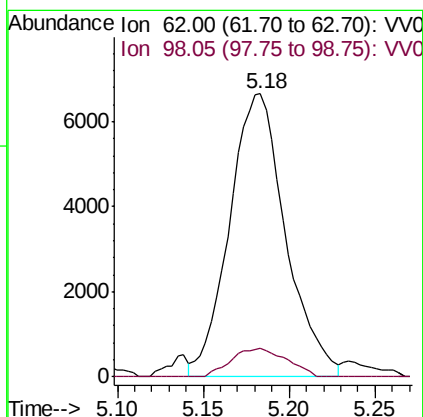
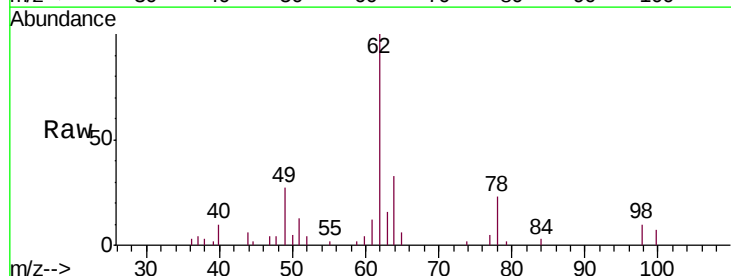
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

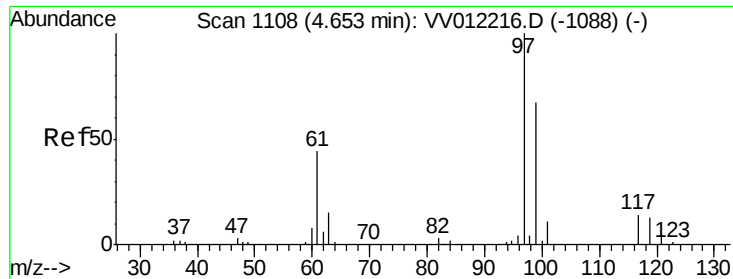
Tgt Ion: 83 Resp: 29540
Ion Ratio Lower Upper
83 100
85 66.3 44.3 82.3



#27
1,2-Dichloroethane
Concen: 0.983 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.01 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Tgt Ion: 62 Resp: 15142
Ion Ratio Lower Upper
62 100
98 9.9 7.5 11.3

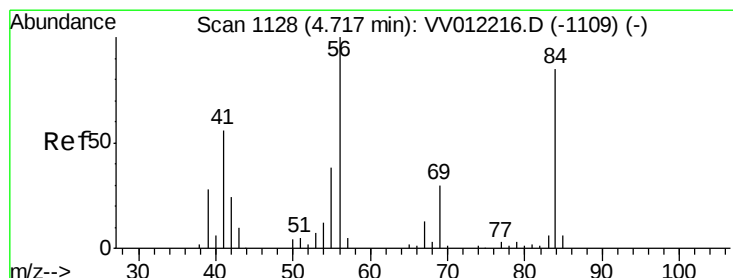
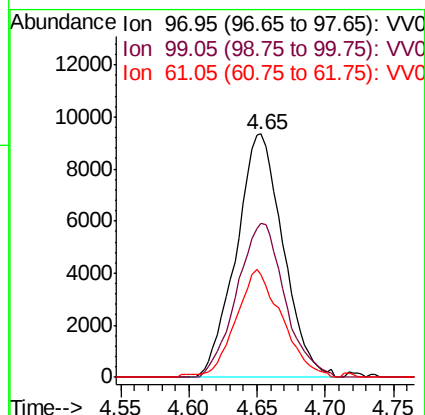
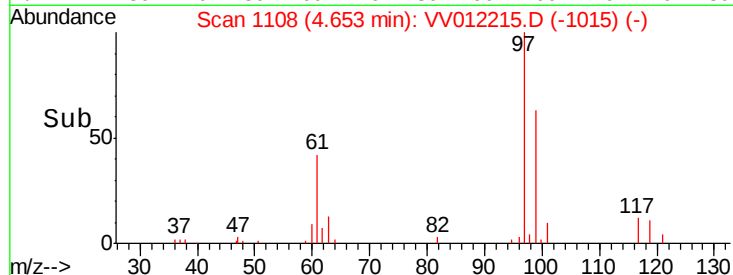
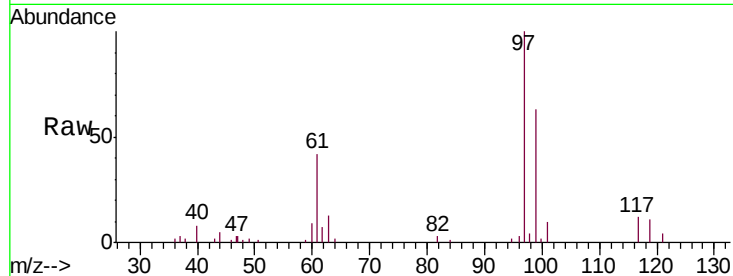




#29
 1,1,1-Trichloroethane
 Concen: 0.911 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

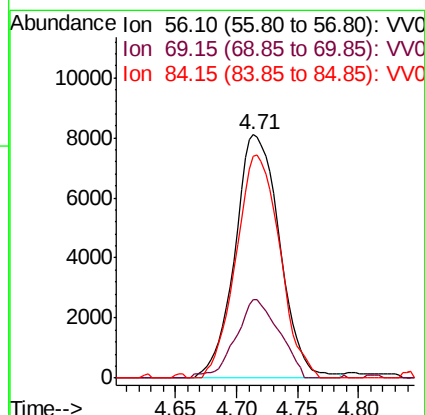
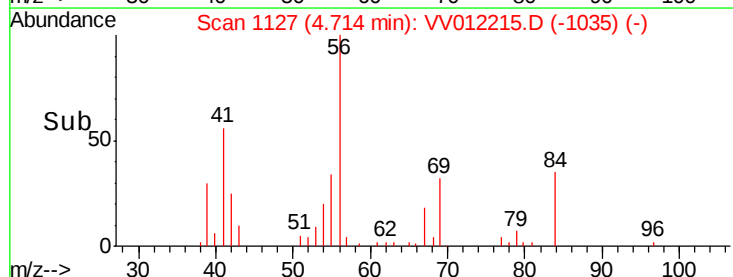
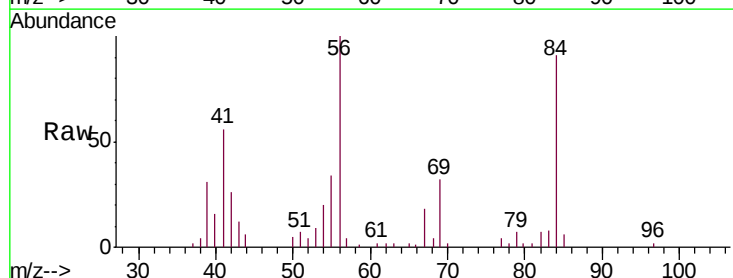
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

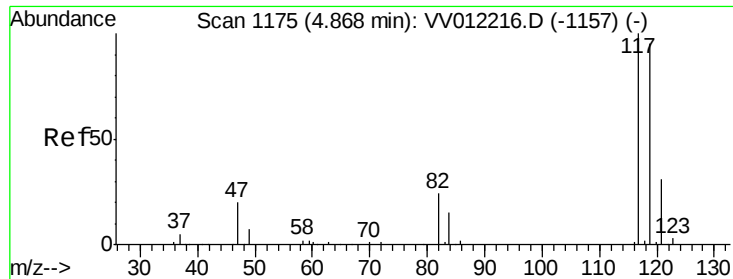
Tgt Ion: 97 Resp: 22305
 Ion Ratio Lower Upper
 97 100
 99 64.6 52.1 78.1
 61 43.3 35.4 53.0



#30
 Cyclohexane
 Concen: 1.092 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion: 56 Resp: 20609
 Ion Ratio Lower Upper
 56 100
 69 31.4 24.6 36.8
 84 89.8 71.0 106.6





#31

Carbon tetrachloride

Concen: 0.850 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

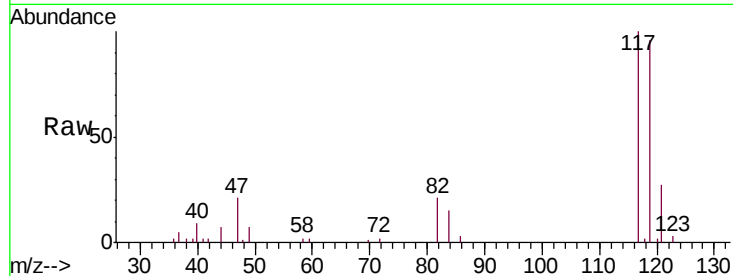
VSTD00136

Tgt Ion:117 Resp: 19896

Ion Ratio Lower Upper

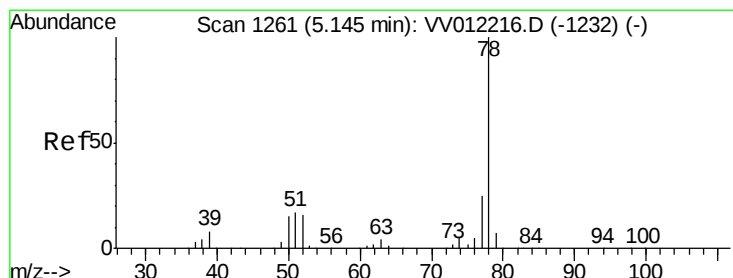
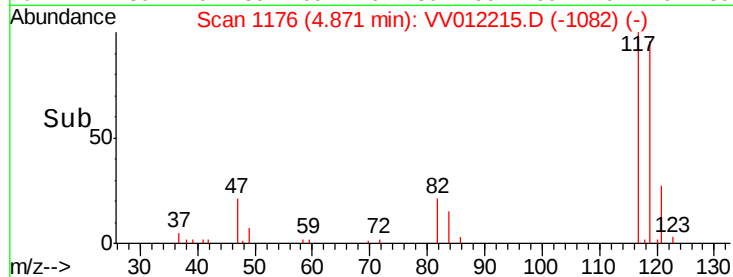
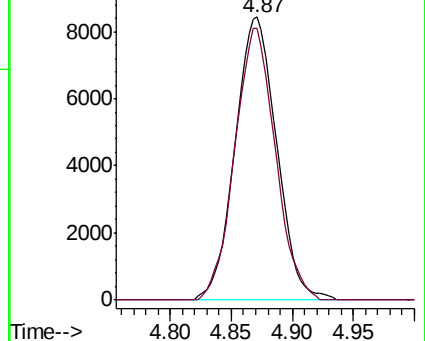
117 100

119 93.7 77.9 116.9



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.053 ug/L

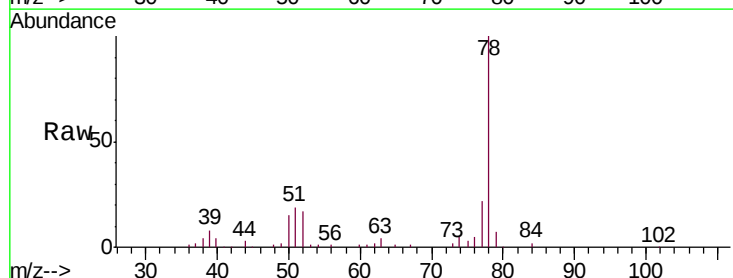
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

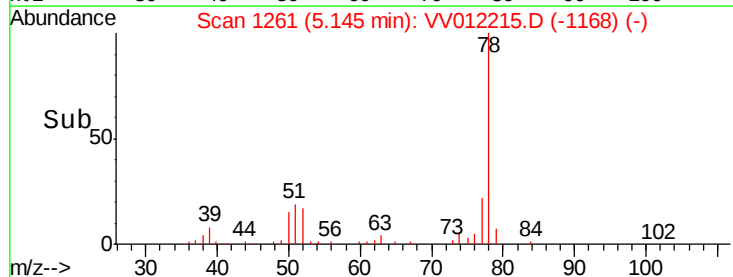
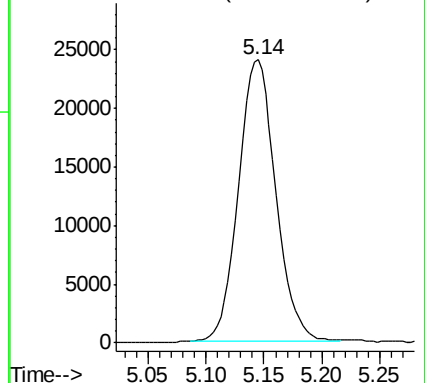
Lab File: VV012215.D

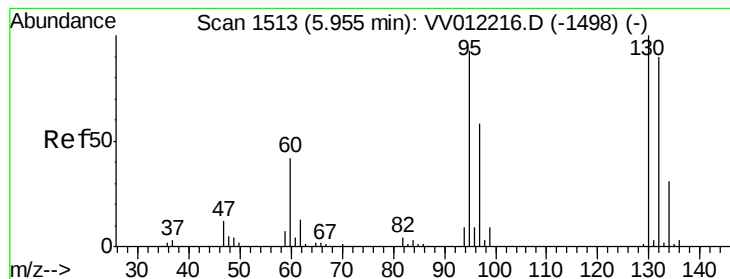
Acq: 13 Aug 2019 15:00

Tgt Ion: 78 Resp: 53455



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.001 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

Tgt Ion: 95 Resp: 14710

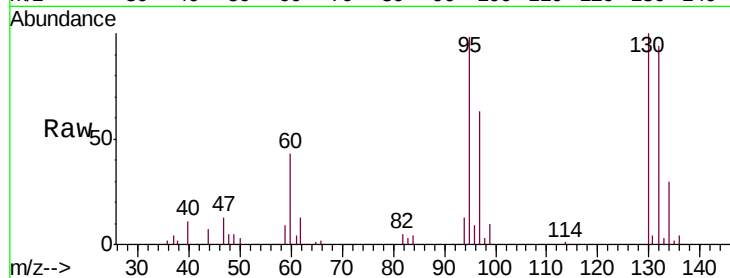
Ion Ratio Lower Upper

95 100

97 63.6 43.3 80.3

132 95.8 67.5 125.3

130 101.6 74.9 139.1

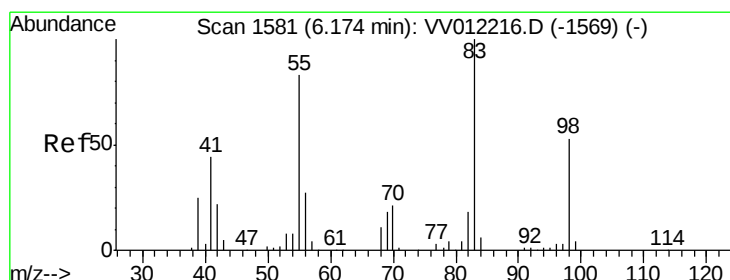
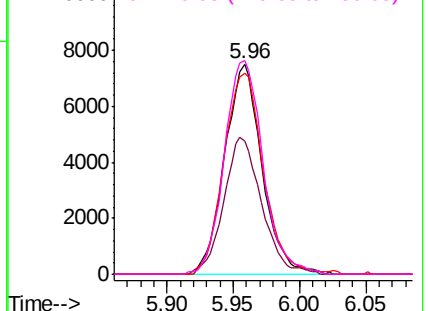
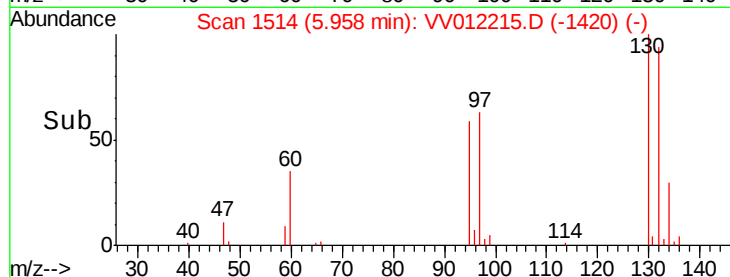


Abundance Ion 95.00 (94.70 to 95.70): VV012215.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV012215.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV012215.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV012215.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.907 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

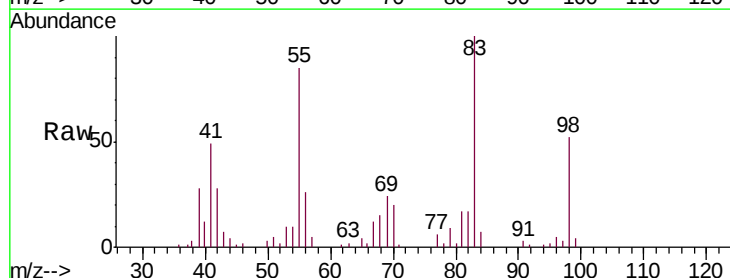
Tgt Ion: 83 Resp: 20983

Ion Ratio Lower Upper

83 100

55 82.6 62.2 93.2

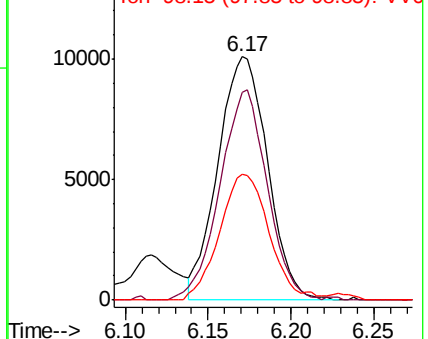
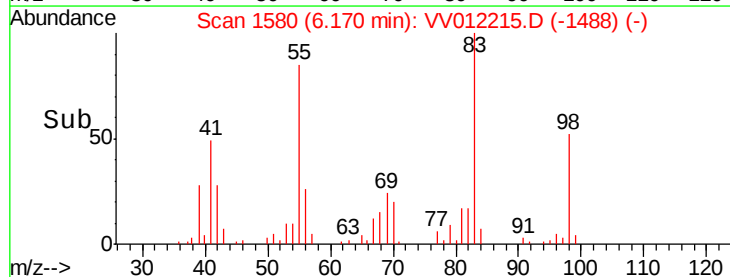
98 51.8 39.2 58.8

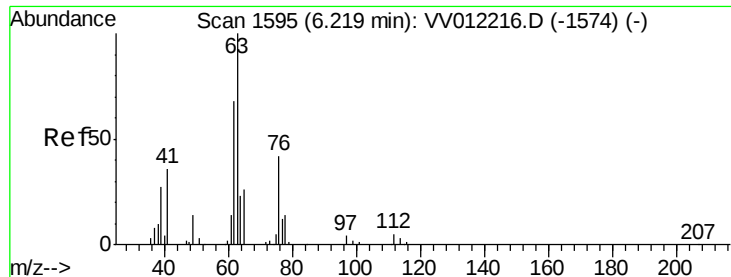


Abundance Ion 83.15 (82.85 to 83.85): VV012215.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV012215.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV012215.D (-1488) (-)

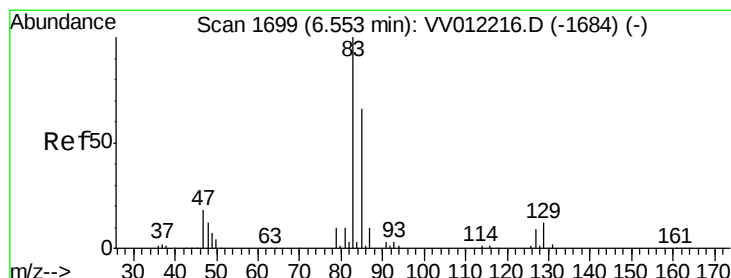
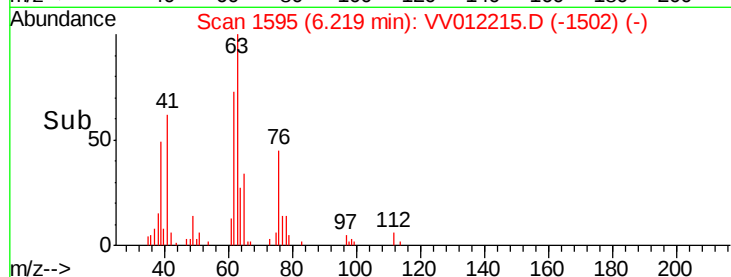
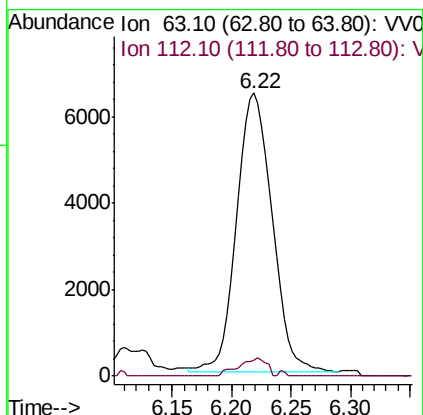
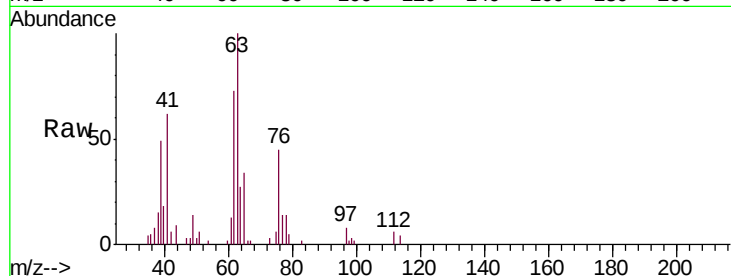




#37
 1,2-Dichloropropane
 Concen: 1.162 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

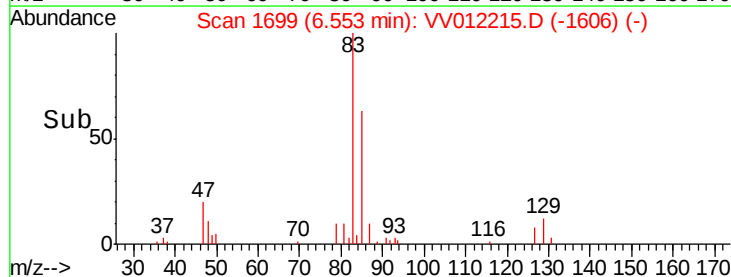
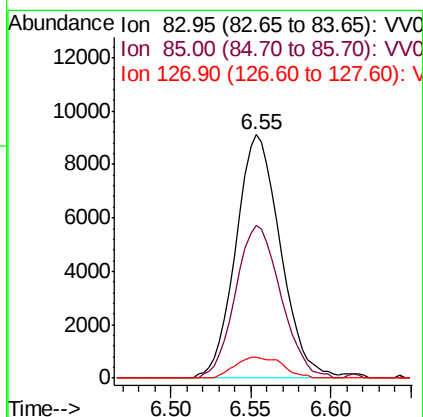
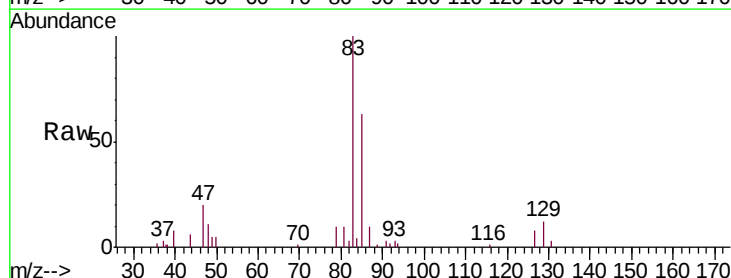
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

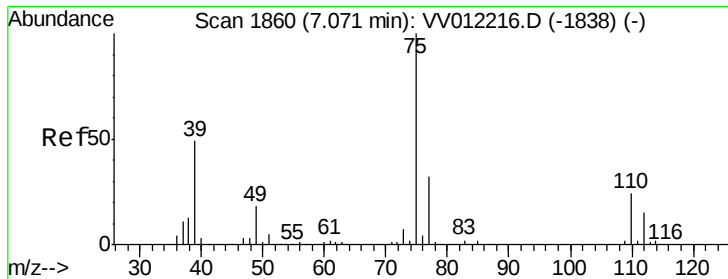
Tgt Ion: 63 Resp: 13334
 Ion Ratio Lower Upper
 63 100
 112 5.0 3.8 5.8



#38
 Bromodichloromethane
 Concen: 0.952 ug/L
 RT: 6.55 min Scan# 1699
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion: 83 Resp: 17360
 Ion Ratio Lower Upper
 83 100
 85 62.7 45.9 85.3
 127 8.5 7.4 11.2

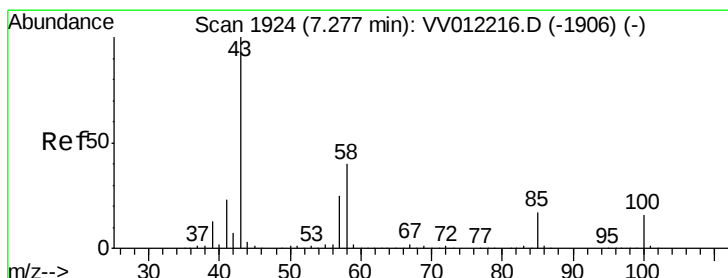
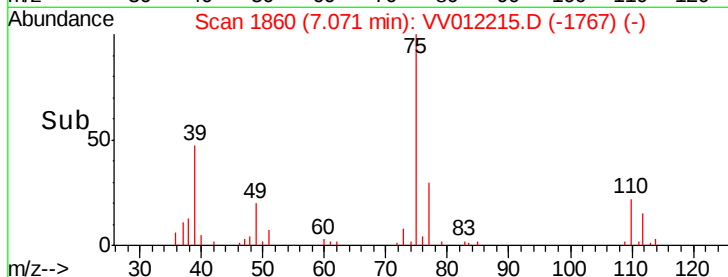
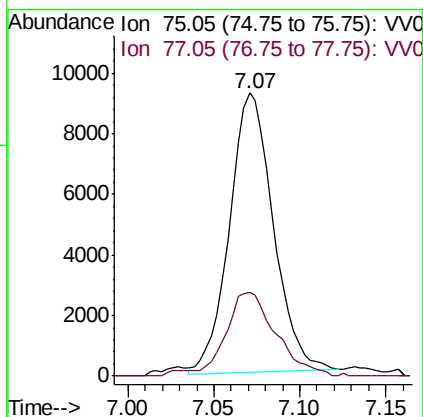
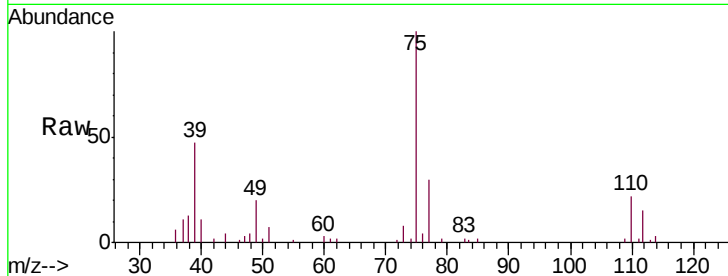




#39
 cis-1,3-Dichloropropene
 Concen: 0.839 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

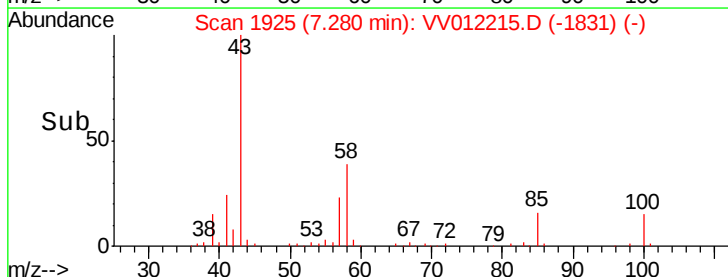
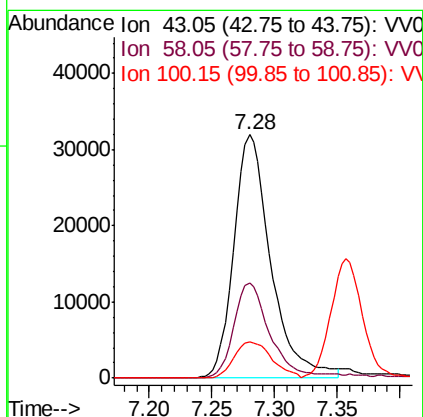
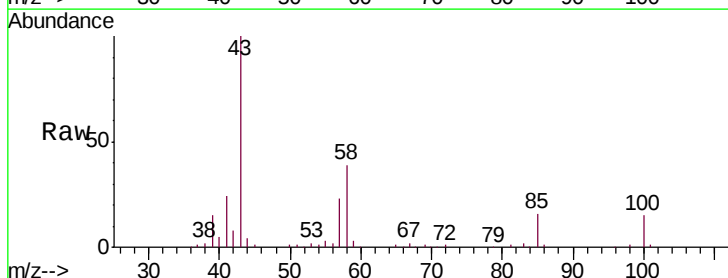
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00136

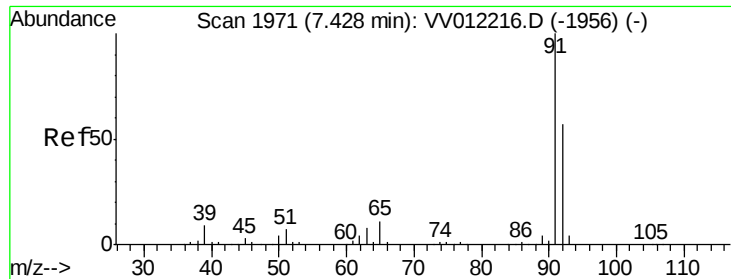
Tgt Ion: 75 Resp: 16410
 Ion Ratio Lower Upper
 75 100
 77 29.7 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 10.120 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion: 43 Resp: 65631
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.7 46.1
 100 15.3 12.5 18.7





#42

Toluene

Concen: 0.936 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

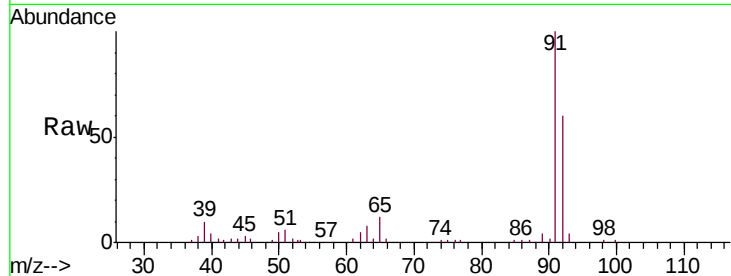
VSTD00136

Tgt Ion: 91 Resp: 54482

Ion Ratio Lower Upper

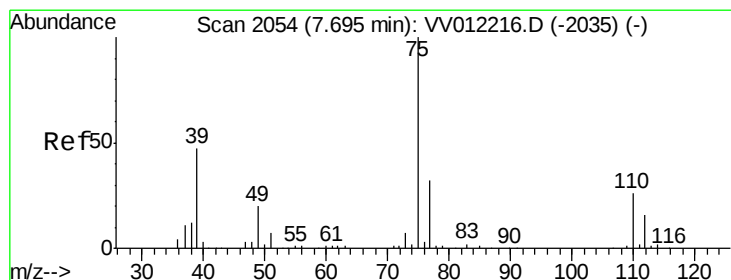
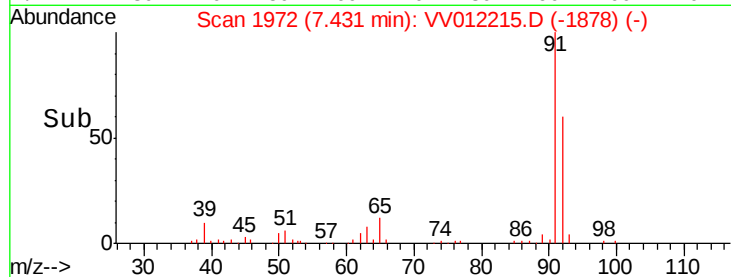
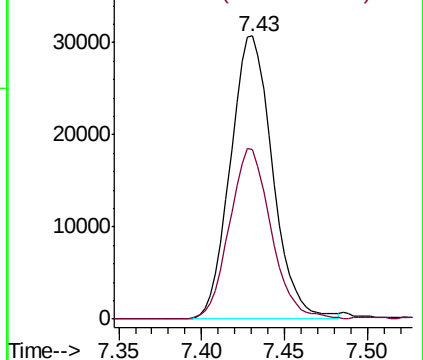
91 100

92 60.0 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 0.902 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. -0.00 min

Lab File: VV012215.D

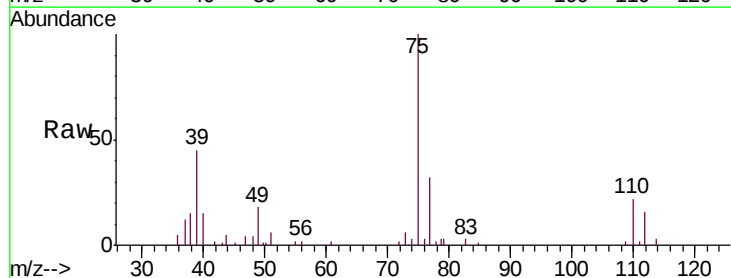
Acq: 13 Aug 2019 15:00

Tgt Ion: 75 Resp: 13837

Ion Ratio Lower Upper

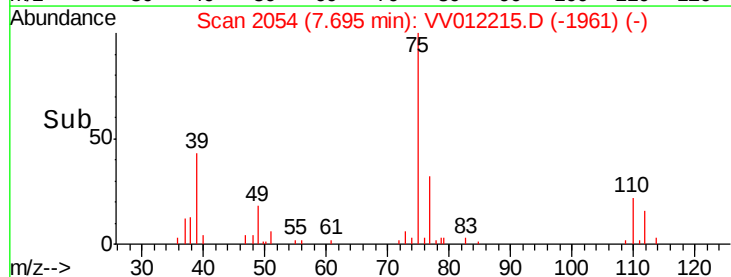
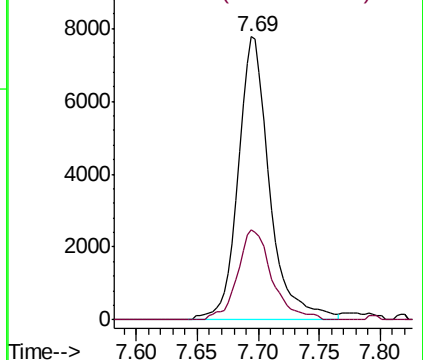
75 100

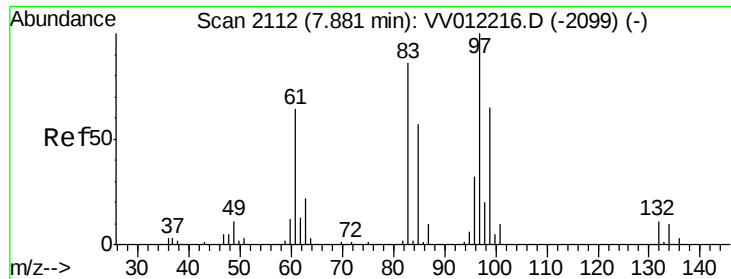
77 31.8 22.5 41.7



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

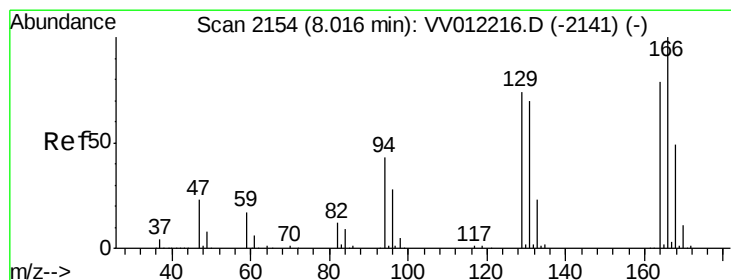
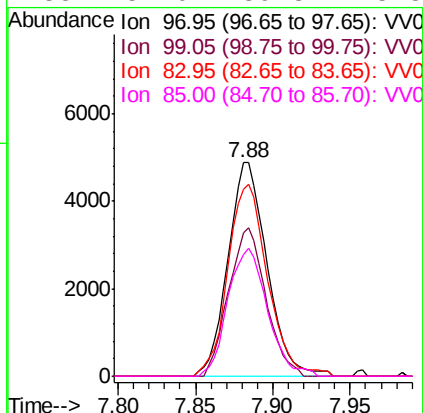
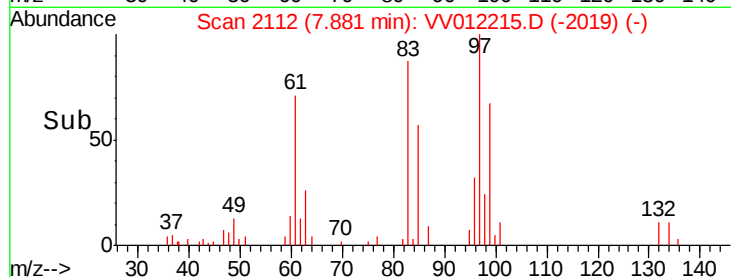
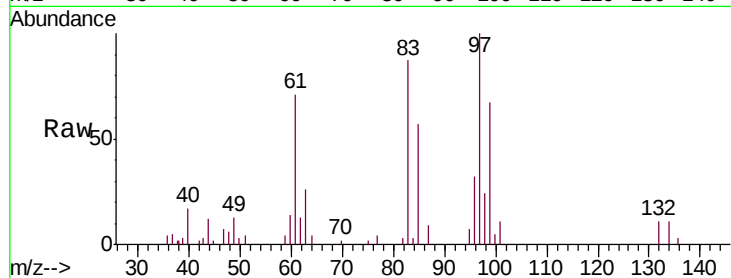




#45
 1,1,2-Trichloroethane
 Concen: 0.927 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

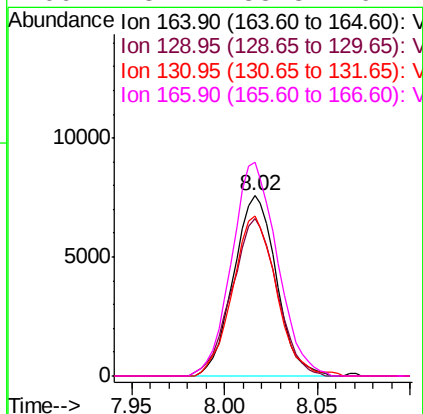
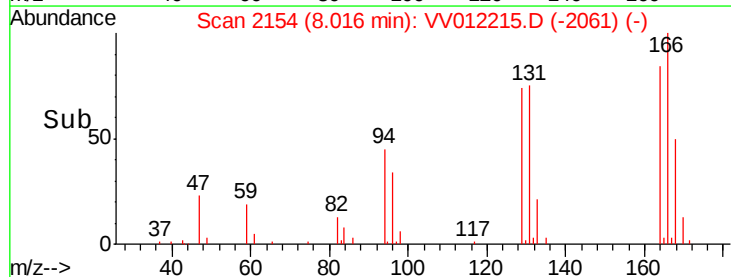
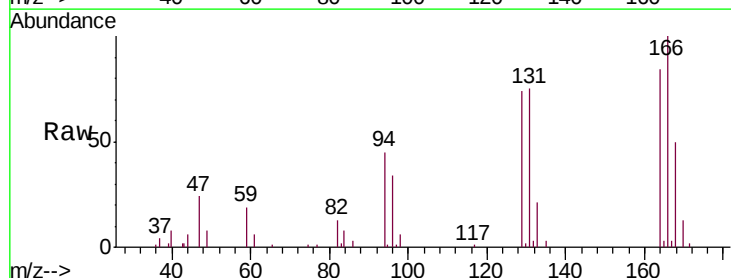
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

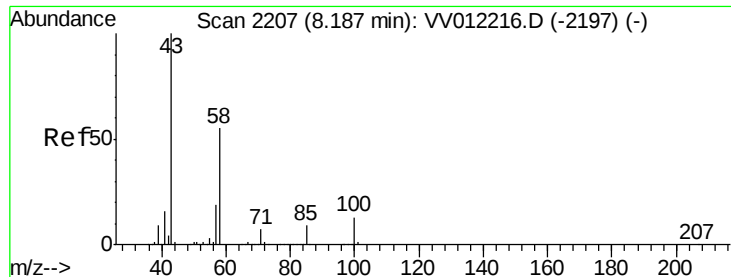
Tgt Ion:	97	Resp:	8560
Ion	Ratio	Lower	Upper
97	100		
99	67.4	45.4	84.2
83	87.5	60.1	111.5
85	57.0	39.8	73.8



#47
 Tetrachloroethene
 Concen: 0.885 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion:	164	Resp:	12161
Ion	Ratio	Lower	Upper
164	100		
129	87.3	65.8	122.2
131	89.0	61.9	114.9
166	118.4	88.3	164.1

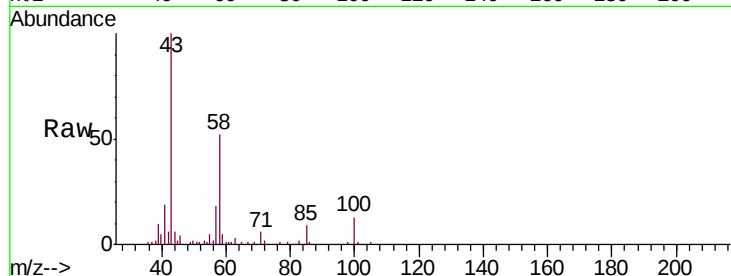




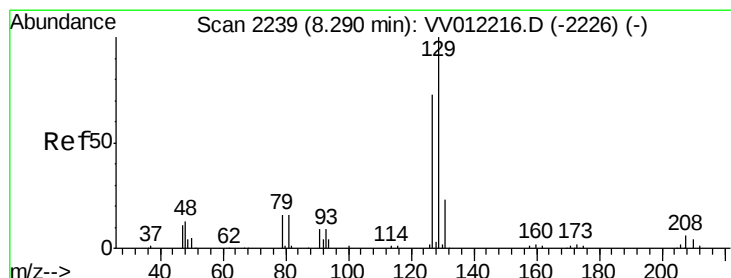
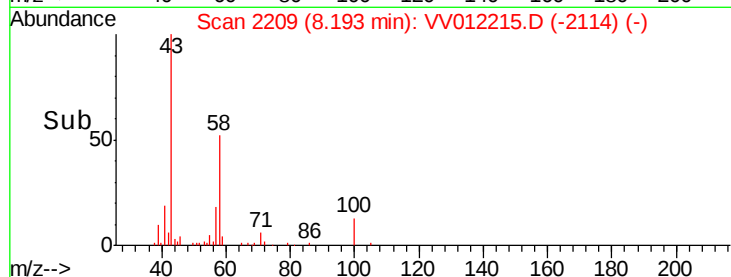
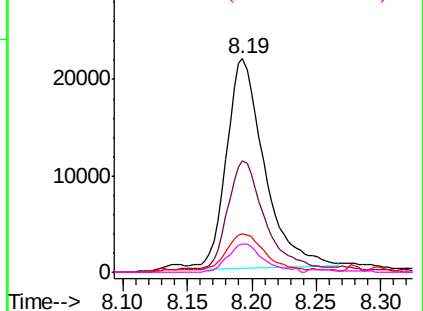
#48
2-Hexanone
Concen: 9.780 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

Tgt Ion:	43	Resp:	44628
Ion	Ratio	Lower	Upper
43	100		
58	54.2	43.0	64.4
57	17.5	14.9	22.3
100	12.6	10.3	15.5

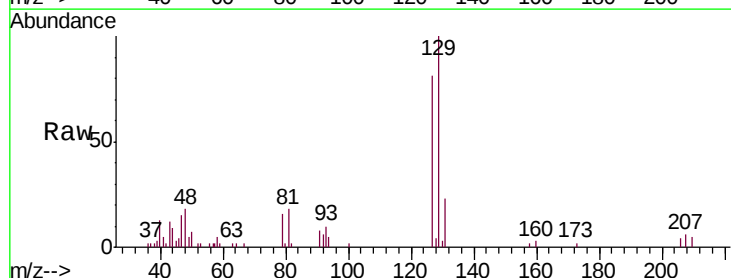


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

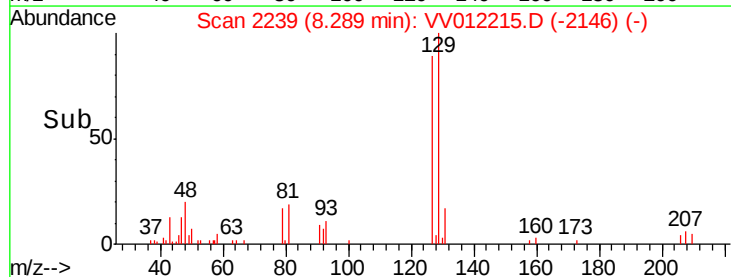
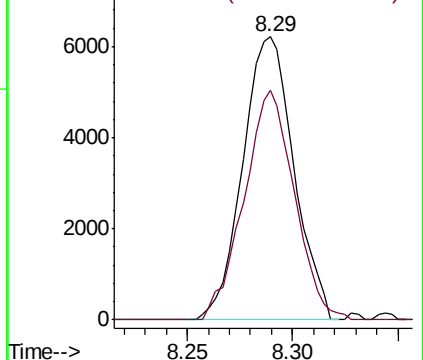


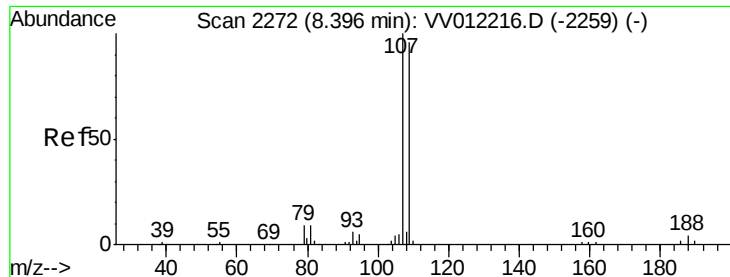
#49
Dibromochloromethane
Concen: 0.793 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Tgt Ion:	129	Resp:	10495
Ion	Ratio	Lower	Upper
129	100		
127	80.9	51.0	94.8



Abundance Ion 128.95 (128.65 to 129.65): VV0
Ion 126.90 (126.60 to 127.60): VV0

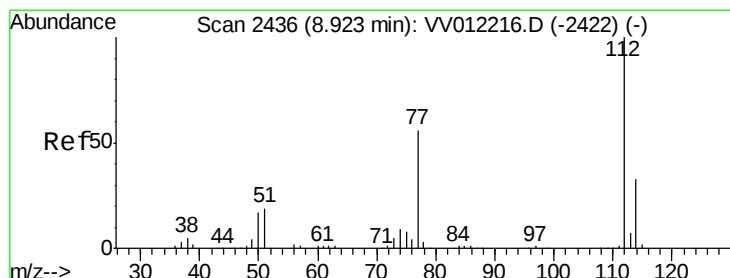
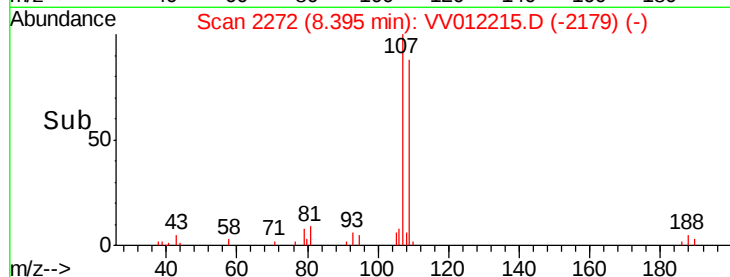
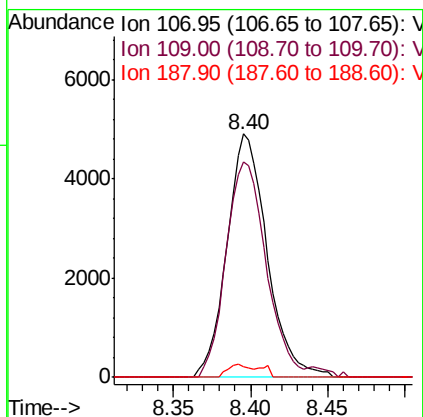
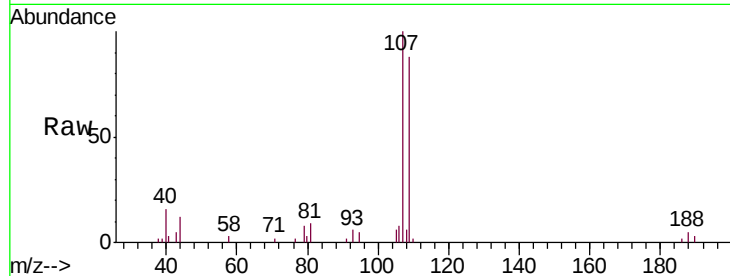




#50
1,2-Dibromoethane
Concen: 0.969 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

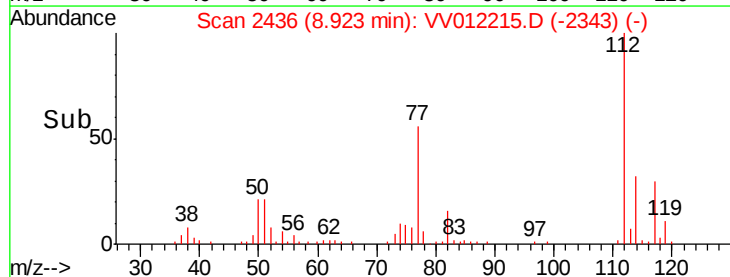
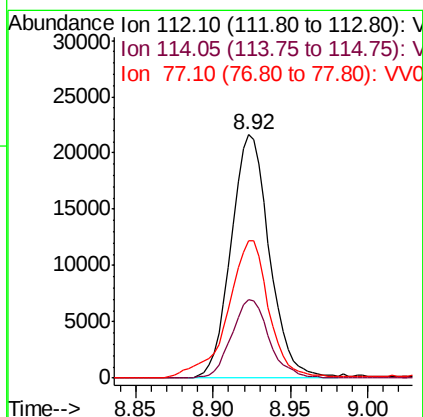
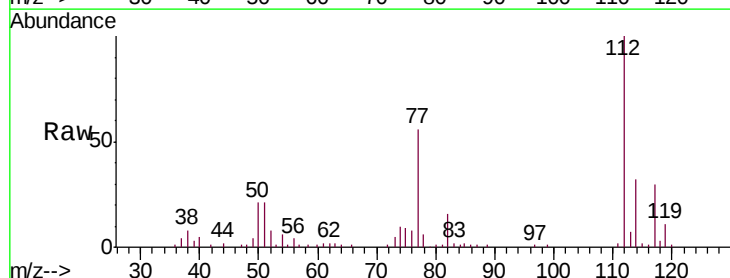
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

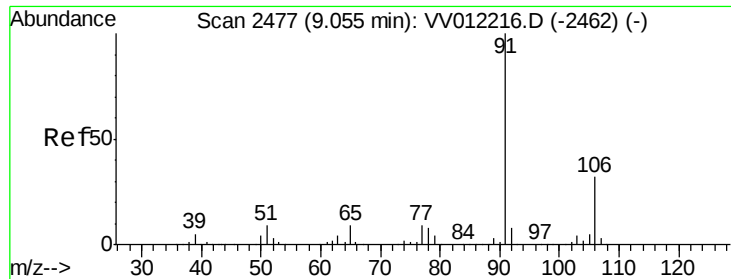
Tgt Ion:107 Resp: 8805
Ion Ratio Lower Upper
107 100
109 88.3 67.3 125.1
188 4.6 3.4 5.0



#51
Chlorobenzene
Concen: 0.957 ug/L
RT: 8.92 min Scan# 2436
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Tgt Ion:112 Resp: 37281
Ion Ratio Lower Upper
112 100
114 32.5 22.8 42.4
77 56.3 45.4 68.2





#52

Ethylbenzene

Concen: 0.876 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

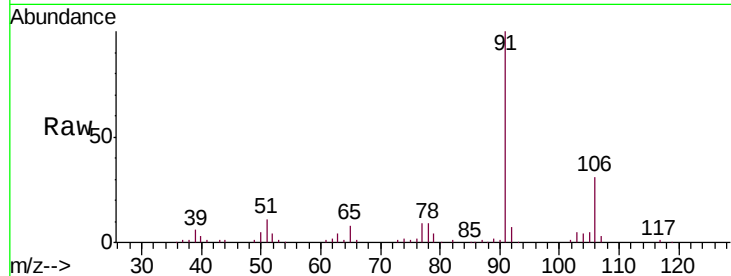
VSTD00136

Tgt Ion: 91 Resp: 56860

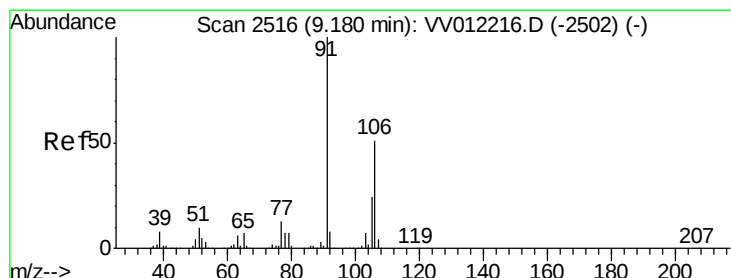
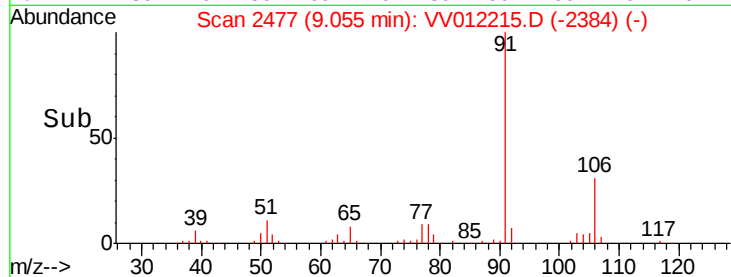
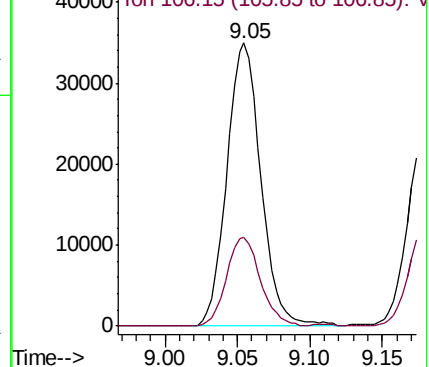
Ion Ratio Lower Upper

91 100

106 31.2 22.3 41.3



Abundance Ion 91.15 (90.85 to 91.85): VV012215.D (-2384) (-)



#53

m,p-xylene

Concen: 0.828 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV012215.D

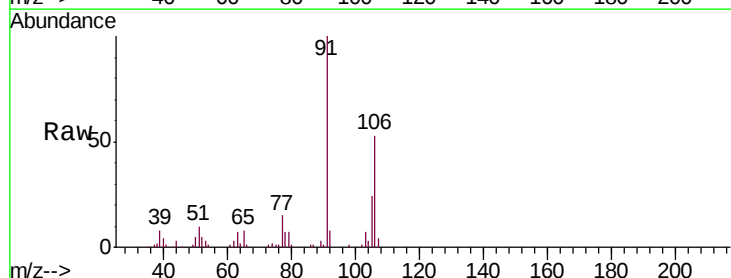
Acq: 13 Aug 2019 15:00

Tgt Ion: 106 Resp: 21027

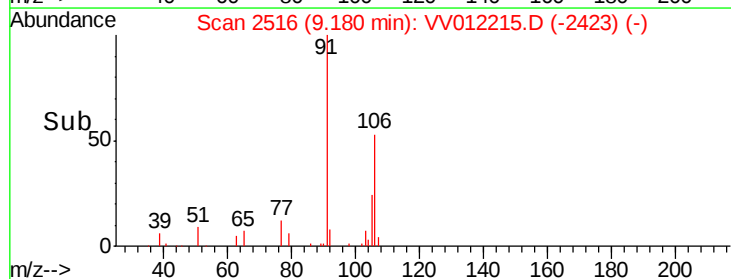
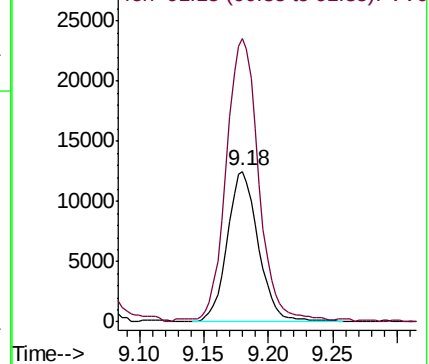
Ion Ratio Lower Upper

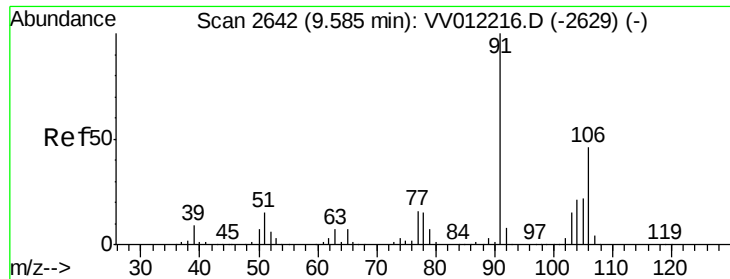
106 100

91 187.6 137.5 255.3



Abundance Ion 106.15 (105.85 to 106.85): VV012215.D (-2423) (-)

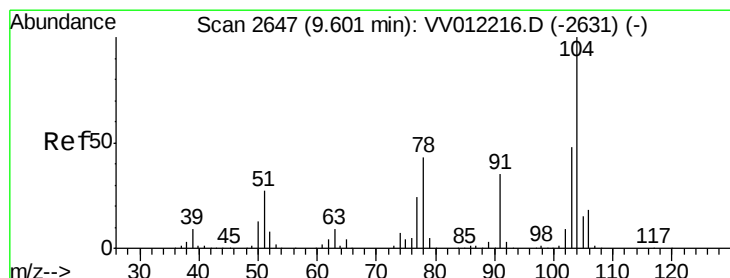
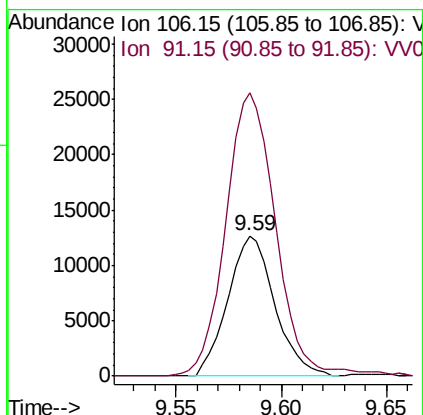
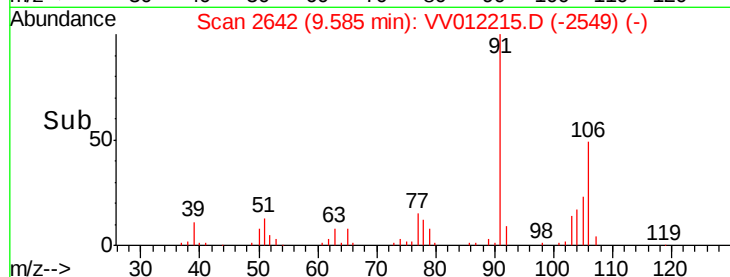
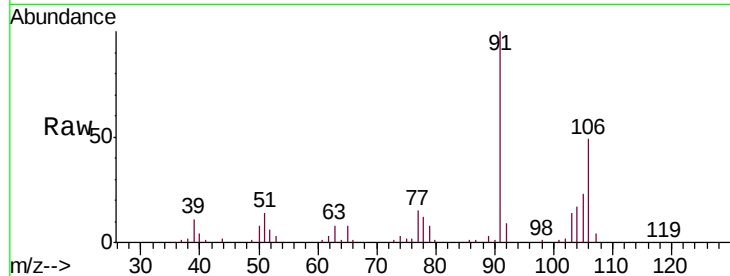




#54
o-xylene
Concen: 0.800 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

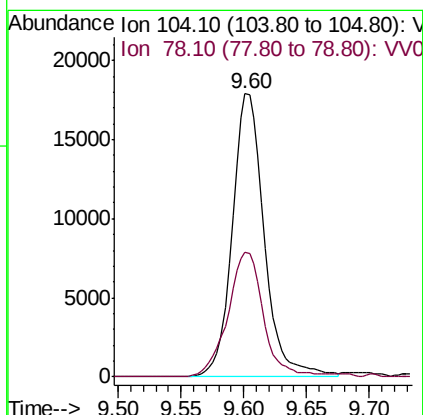
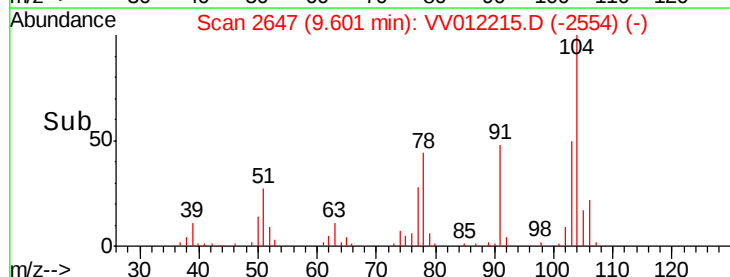
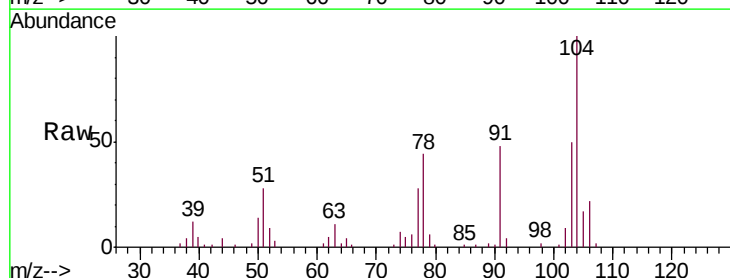
Instrument :
MSVOA_V
ClientSampleId :
VSTD00136

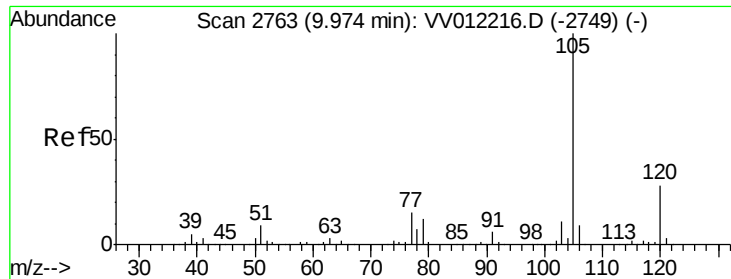
Tgt Ion:106 Resp: 19560
Ion Ratio Lower Upper
106 100
91 202.1 151.1 280.7



#55
Styrene
Concen: 0.777 ug/L
RT: 9.60 min Scan# 2647
Delta R.T. -0.00 min
Lab File: VV012215.D
Acq: 13 Aug 2019 15:00

Tgt Ion:104 Resp: 31710
Ion Ratio Lower Upper
104 100
78 44.2 30.3 56.3





#56

Isopropylbenzene

Concen: 0.776 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

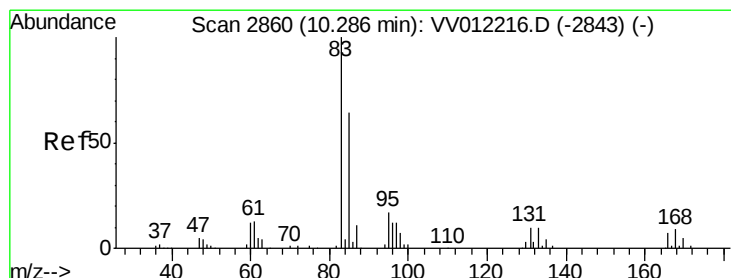
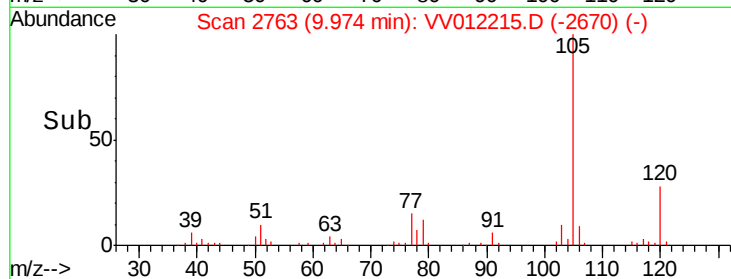
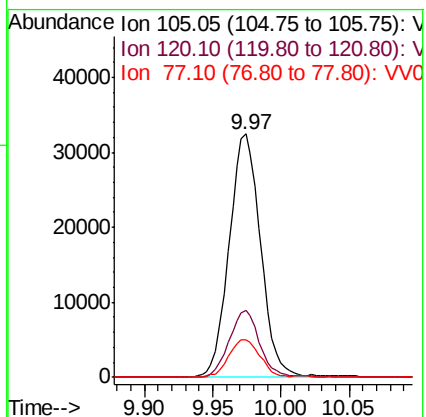
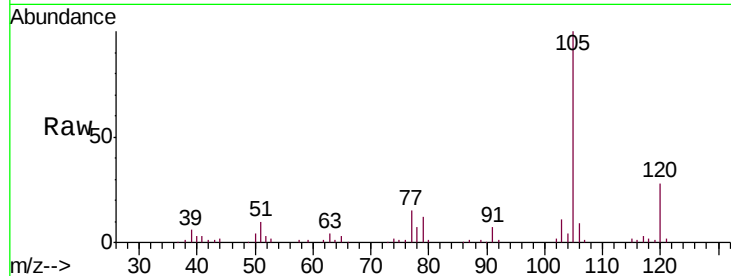
Tgt Ion: 105 Resp: 52093

Ion Ratio Lower Upper

105 100

120 26.6 22.0 33.0

77 15.4 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 0.958 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

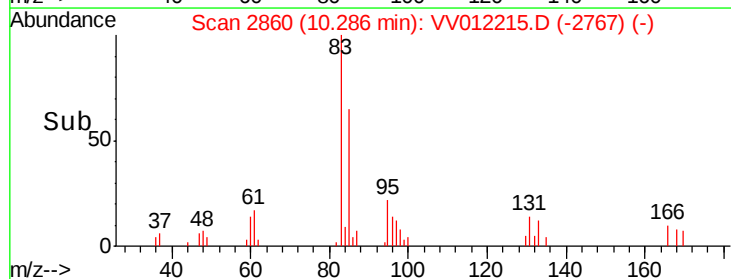
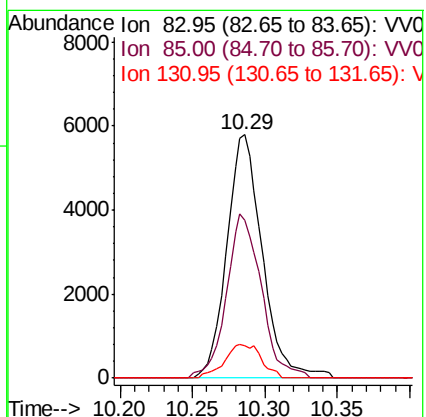
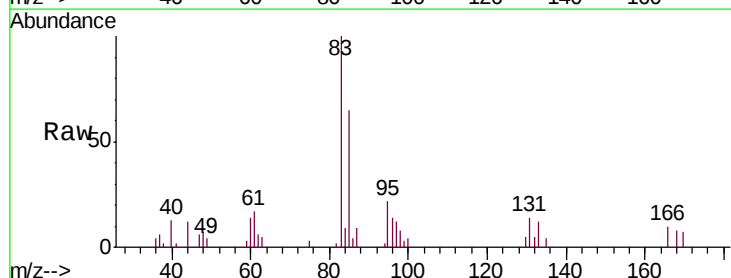
Tgt Ion: 83 Resp: 9831

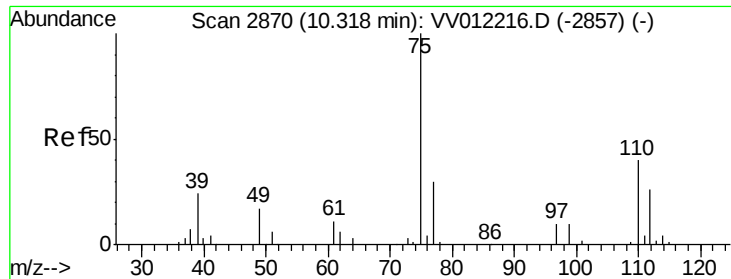
Ion Ratio Lower Upper

83 100

85 64.9 45.0 83.6

131 13.5 8.3 12.5#

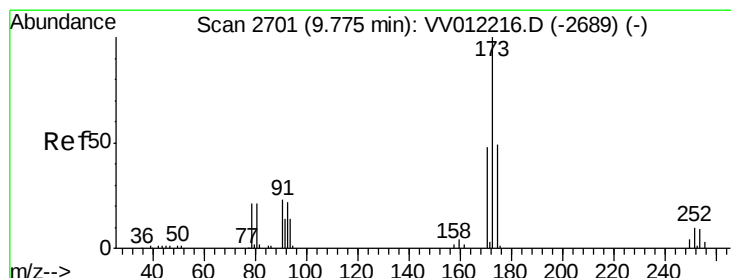
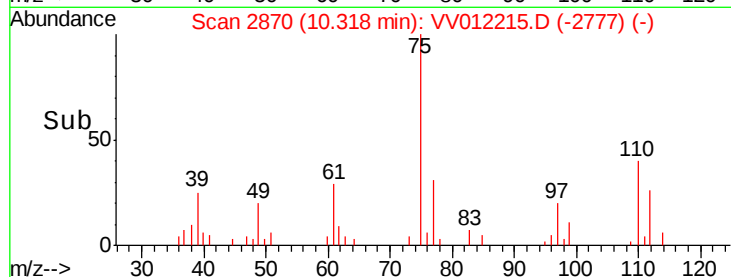
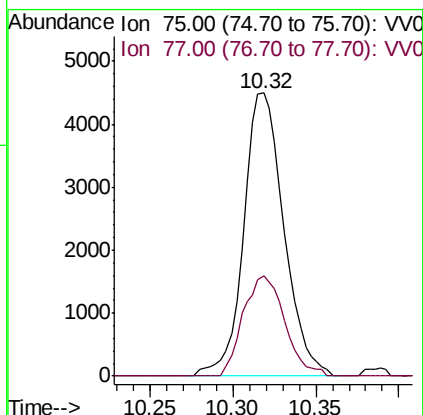
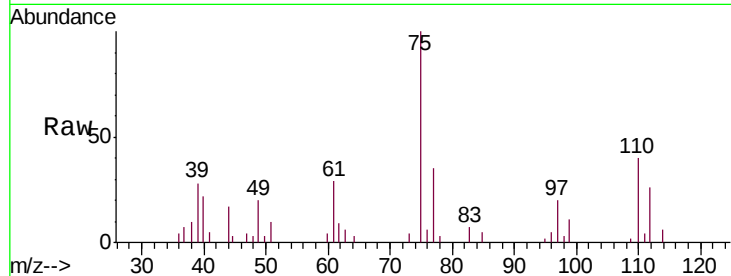




#59
 1,2,3-Trichloropropane
 Concen: 0.968 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

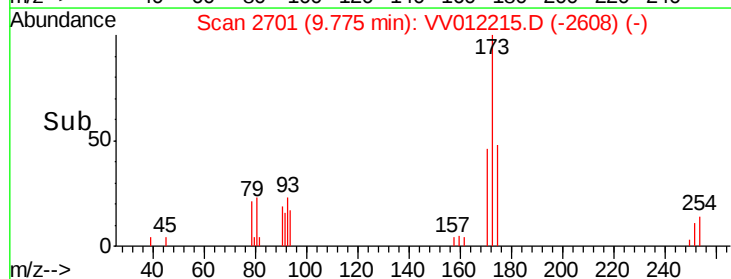
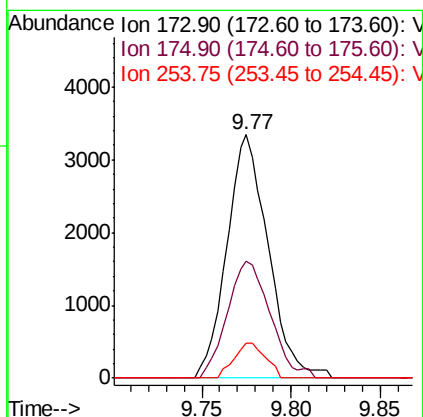
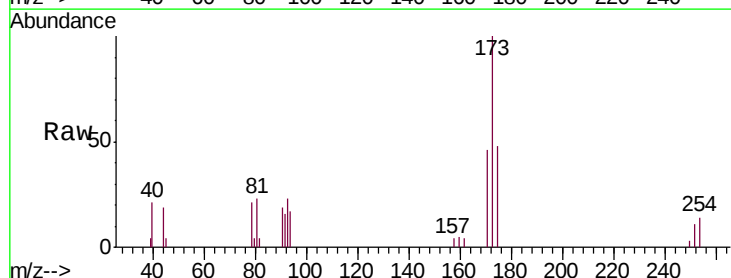
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

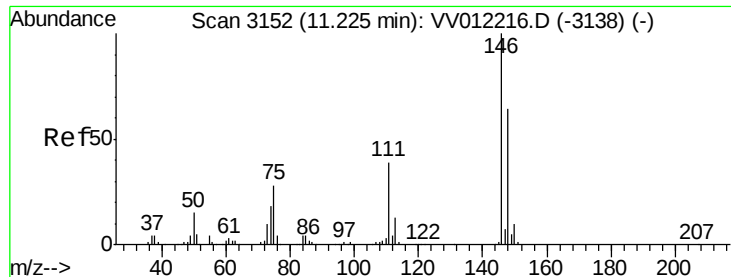
Tgt Ion: 75 Resp: 7604
 Ion Ratio Lower Upper
 75 100
 77 36.6 25.0 37.6



#61
 Bromoform
 Concen: 0.760 ug/L
 RT: 9.77 min Scan# 2701
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion: 173 Resp: 5362
 Ion Ratio Lower Upper
 173 100
 175 50.0 38.8 58.2
 254 10.9 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 0.947 ug/L

RT: 11.22 min Scan# 3152

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

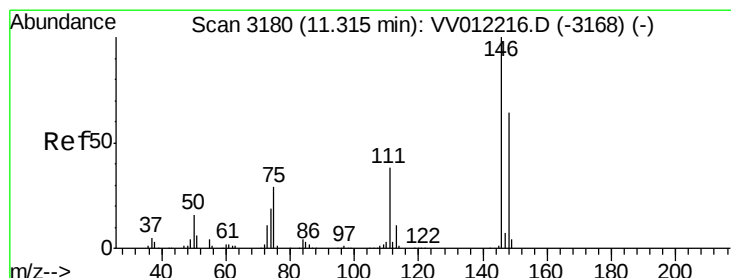
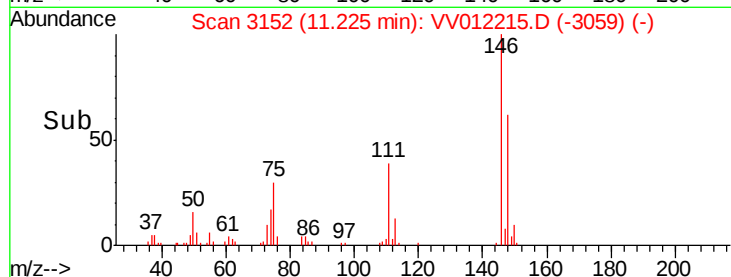
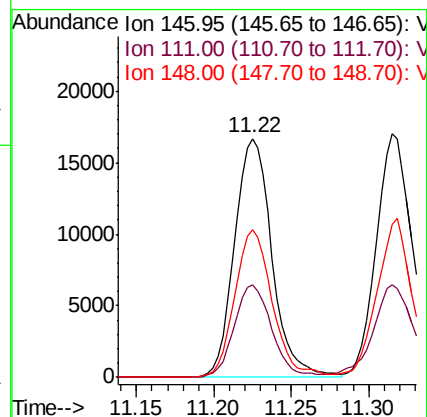
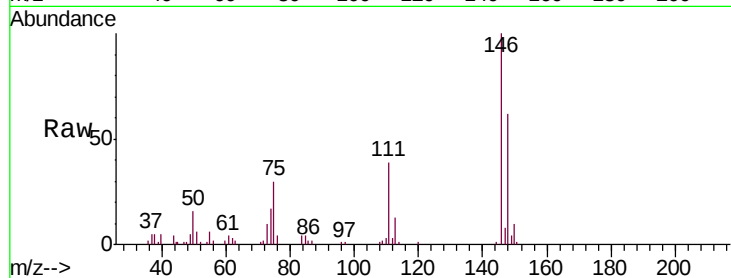
Tgt Ion:146 Resp: 28001

Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

148 61.8 45.0 83.6



#63

1,4-Dichlorobenzene

Concen: 0.962 ug/L

RT: 11.31 min Scan# 3180

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

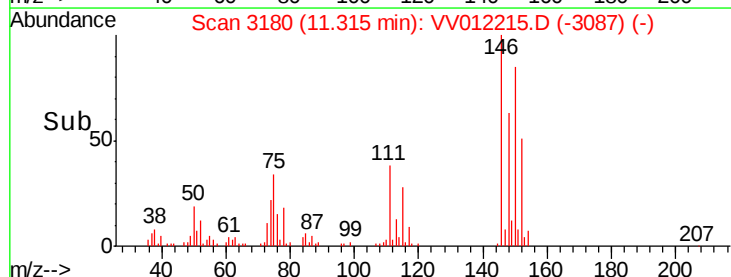
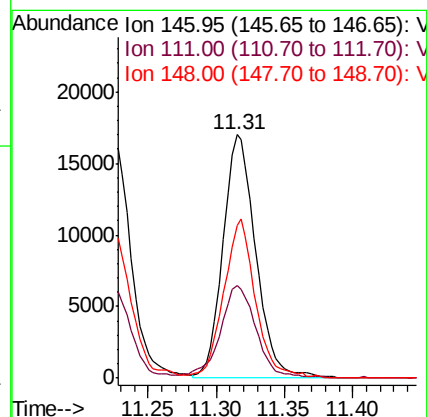
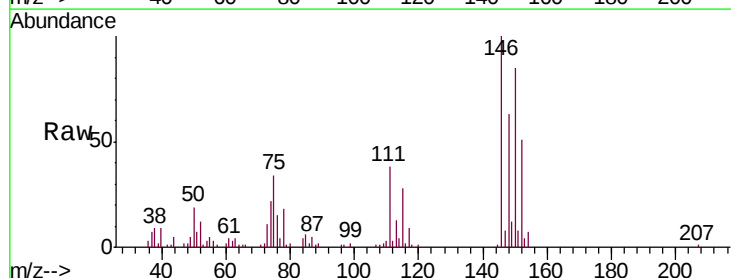
Tgt Ion:146 Resp: 28429

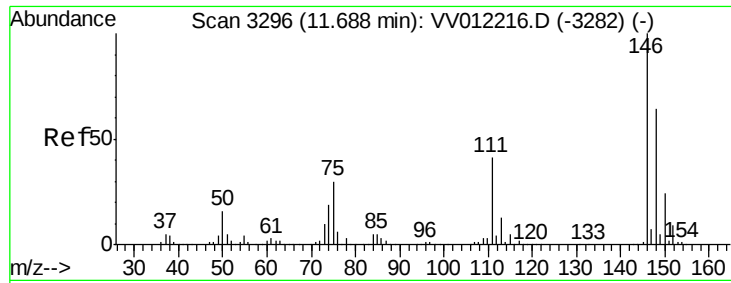
Ion Ratio Lower Upper

146 100

111 37.9 27.0 50.2

148 62.6 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 0.933 ug/L

RT: 11.69 min Scan# 3296

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

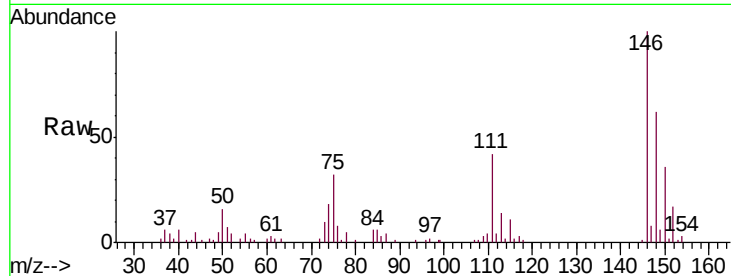
Tgt Ion:146 Resp: 25496

Ion Ratio Lower Upper

146 100

111 41.6 33.0 49.4

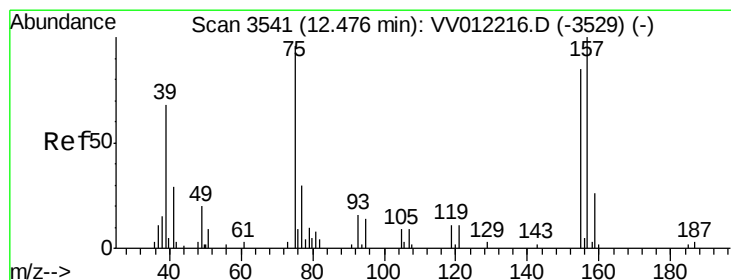
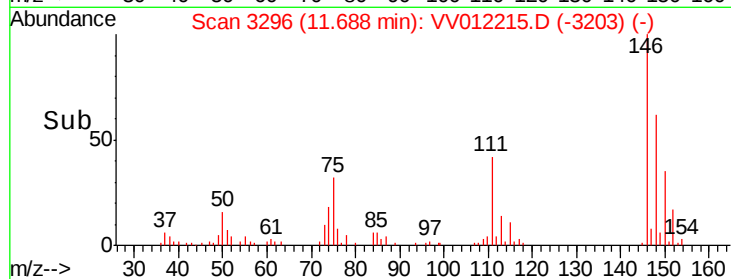
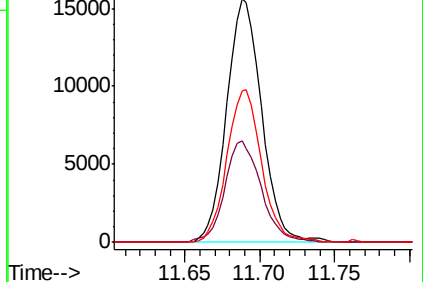
148 62.2 51.1 76.7



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 1.012 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

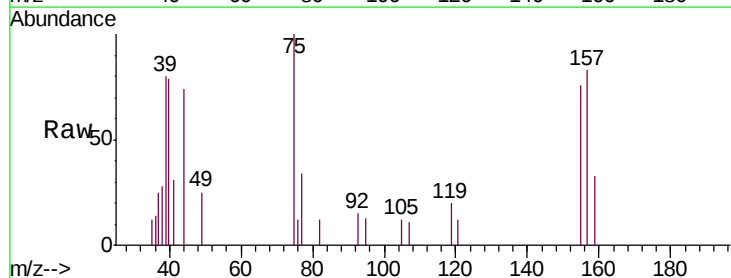
Tgt Ion: 75 Resp: 1744

Ion Ratio Lower Upper

75 100

155 76.2 70.8 106.2

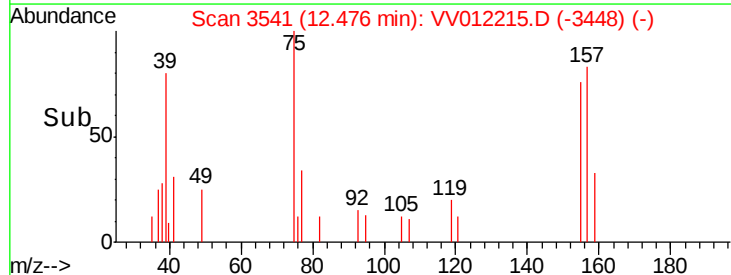
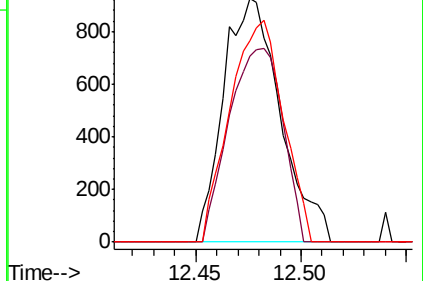
157 82.7 83.5 125.3#

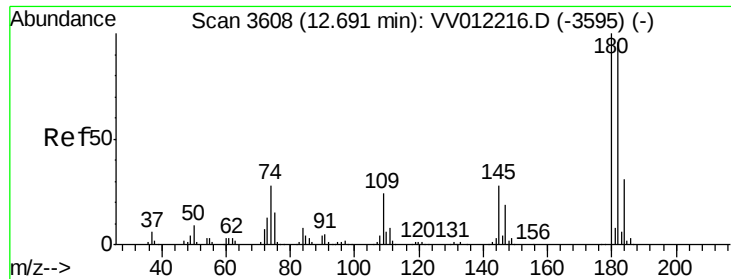


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

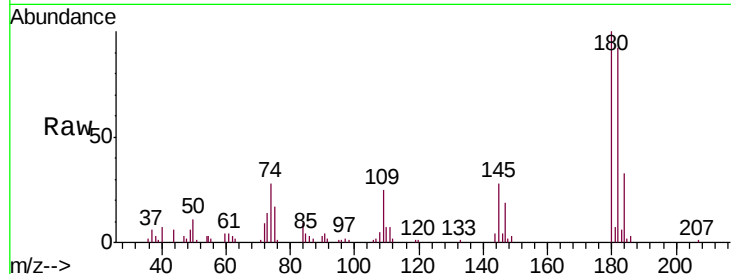




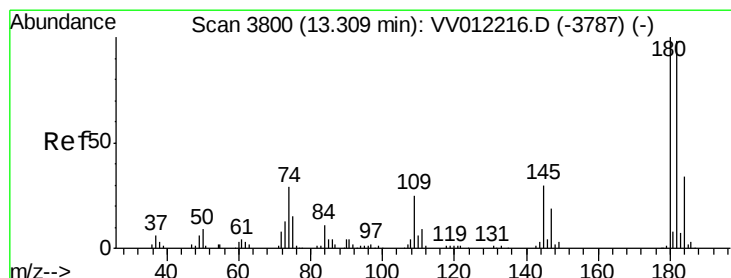
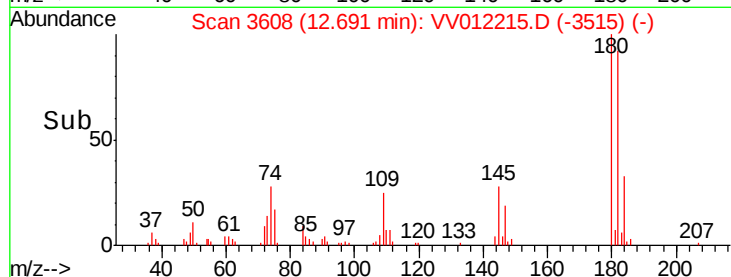
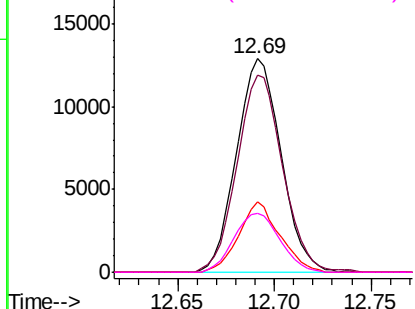
#67
 1,3,5-Trichlorobenzene
 Concen: 0.840 ug/L
 RT: 12.69 min Scan# 3608
 Delta R.T. -0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00136

Tgt Ion:	180	Resp:	20653
Ion	Ratio	Lower	Upper
180	100		
182	94.4	76.3	114.5
184	30.2	24.6	36.8
145	28.5	23.2	34.8

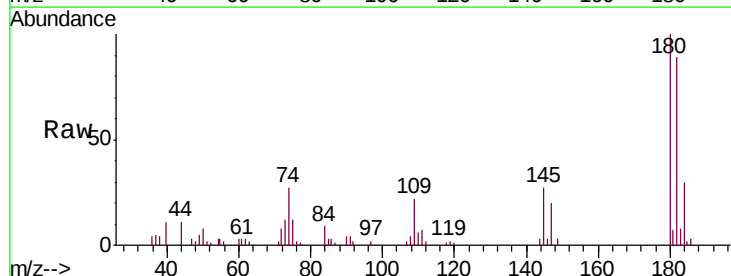


Abundance Ion 180.00 (179.70 to 180.70): V
 20000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

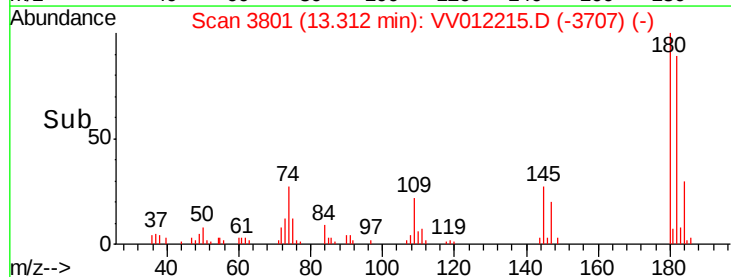
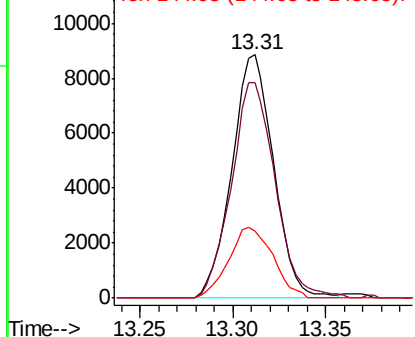


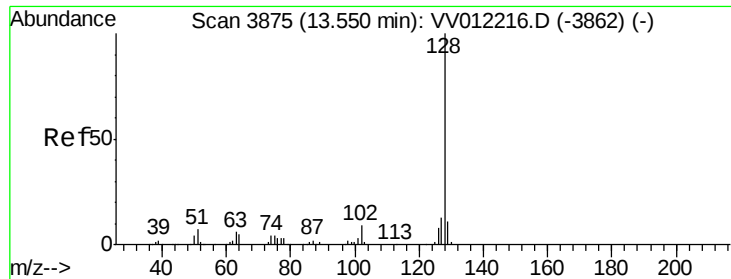
#68
 1,2,4-trichlorobenzene
 Concen: 0.696 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV012215.D
 Acq: 13 Aug 2019 15:00

Tgt Ion:	180	Resp:	13910
Ion	Ratio	Lower	Upper
180	100		
182	92.8	77.2	115.8
145	30.7	23.9	35.9



Abundance Ion 179.90 (179.60 to 180.60): V
 12000
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 0.493 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD00136

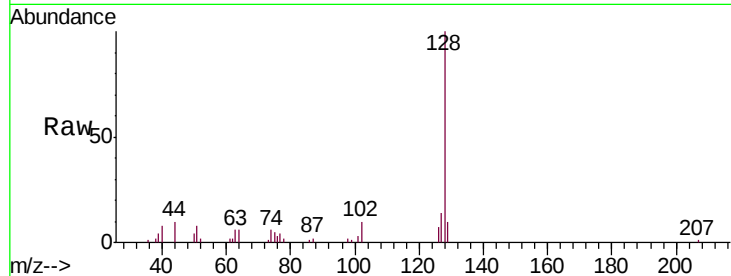
Tgt Ion:128 Resp: 15709

Ion Ratio Lower Upper

128 100

129 9.9 8.6 12.8

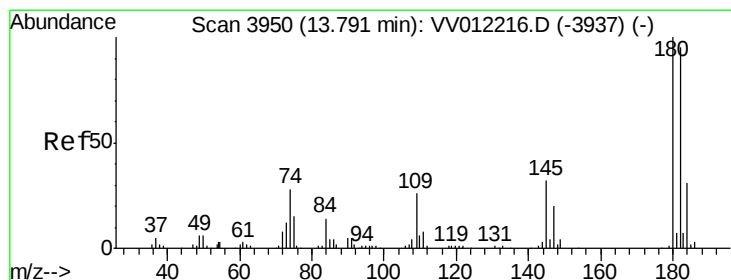
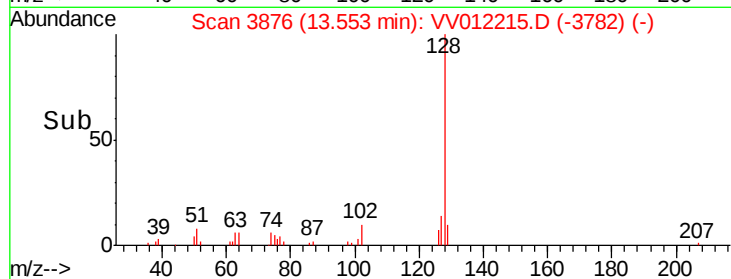
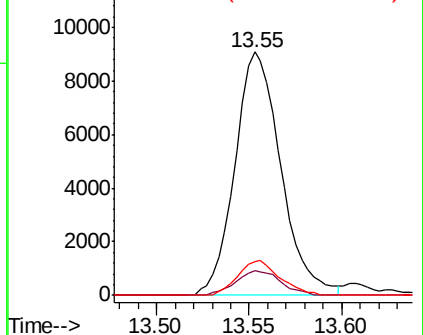
127 13.0 10.1 15.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 0.714 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV012215.D

Acq: 13 Aug 2019 15:00

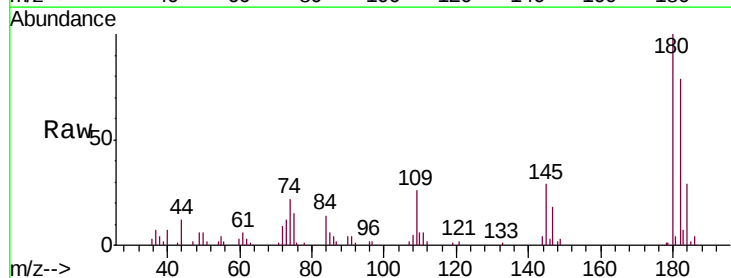
Tgt Ion:180 Resp: 13648

Ion Ratio Lower Upper

180 100

182 86.3 75.0 112.4

145 28.8 24.8 37.2



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

