

Data File : VV010512.D
Acq On : 26 Apr 2019 19:32
Operator : SY/MD
Sample : VSTD00135
Misc : 25mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Quant Time: Apr 26 22:24:51 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR042719WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 26 22:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	203655	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	198836	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	97935	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9955	0.85	ug/L	0.00
7) Chloroethane-d5	1.58	69	4461	0.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	19490	0.87	ug/L	0.00
20) 2-Butanone-d5	3.96	46	24499	9.42	ug/L	0.00
24) Chloroform-d	4.40	84	27241	1.07	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	12216	0.97	ug/L	0.00
32) Benzene-d6	5.10	84	46628	0.96	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	13907	0.99	ug/L	0.00
41) Toluene-d8	7.36	98	43039	0.90	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	5108	0.92	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	18442	8.42	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	11138	1.04	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	18847	1.01	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17371	1.080 ug/L	96
3) Chloromethane	1.25	50	11467	0.935 ug/L	96
5) Vinyl chloride	1.32	62	12004	0.899 ug/L	100
6) Bromomethane	1.53	94	4631	0.554 ug/L	95
8) Chloroethane	1.59	64	3918	0.553 ug/L #	82
9) Trichlorofluoromethane	1.76	101	24650	0.982 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	11618	0.894 ug/L	92
12) 1,1-Dichloroethene	2.14	96	10179	0.862 ug/L	98
13) Acetone	2.20	43	13596	9.173 ug/L	98
14) Carbon disulfide	2.31	76	25804	0.816 ug/L	100
15) Methyl Acetate	2.46	43	4446	1.109 ug/L	99
16) Methylene chloride	2.53	84	15894	1.141 ug/L	98
17) Methyl tert-butyl Ether	2.81	73	29097	1.005 ug/L	98
18) trans-1,2-Dichloroethene	2.78	96	14352	1.052 ug/L	96
19) 1,1-Dichloroethane	3.23	63	23284	1.060 ug/L	94
21) 2-Butanone	4.04	43	25755	9.664 ug/L	92
22) cis-1,2-Dichloroethene	3.96	96	15974	1.123 ug/L	93
23) Bromochloromethane	4.30	128	7391	1.161 ug/L	79
25) Chloroform	4.43	83	27336	1.072 ug/L	100
27) 1,2-Dichloroethane	5.18	62	16532	1.101 ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	24539	1.063 ug/L	98
30) Cyclohexane	4.72	56	15533	0.815 ug/L	92
31) Carbon tetrachloride	4.87	117	22783	1.080 ug/L	98
33) Benzene	5.15	78	53886	1.058 ug/L	100
34) Trichloroethene	5.96	95	15843	1.080 ug/L	83
35) Methylcyclohexane	6.18	83	19214	0.907 ug/L	97
37) 1,2-Dichloropropane	6.22	63	11886	0.959 ug/L #	94
38) Bromodichloromethane	6.56	83	17633	1.061 ug/L	97
39) cis-1,3-Dichloropropene	7.07	75	16154	0.893 ug/L	96
40) 4-Methyl-2-pentanone	7.28	43	63637	9.162 ug/L	96

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Quant Title : TRACE VOA SOM01.0
QLast Update : Fri Apr 26 22:21:45 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	54974	0.946	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	12560	0.895	ug/L	97
45) 1,1,2-Trichloroethane	7.88	97	10907	1.177	ug/L	92
47) Tetrachloroethene	8.02	164	14304	1.075	ug/L	97
48) 2-Hexanone	8.19	43	40529	8.386	ug/L	97
49) Dibromochloromethane	8.29	129	12127	1.018	ug/L	99
50) 1,2-Dibromoethane	8.40	107	9243	1.036	ug/L #	99
51) Chlorobenzene	8.93	112	40982	1.035	ug/L	98
52) Ethylbenzene	9.05	91	55957	0.880	ug/L	100
53) m,p-xylene	9.18	106	20879	0.840	ug/L	91
54) o-xylene	9.59	106	20669	0.839	ug/L	93
55) Styrene	9.60	104	32857	0.817	ug/L	98
56) Isopropylbenzene	9.97	105	53644	0.825	ug/L	96
58) 1,1,2,2-Tetrachloroethane	10.29	83	11681	1.100	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	8171	1.066	ug/L	99
61) Bromoform	9.78	173	6519	1.095	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	31875	1.046	ug/L	97
63) 1,4-Dichlorobenzene	11.32	146	30745	0.998	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	30140	1.032	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	1733	1.066	ug/L	84
67) 1,3,5-Trichlorobenzene	12.69	180	25916	1.033	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	17649	0.925	ug/L	99
69) Naphthalene	13.55	128	23378	0.816	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	18599	1.009	ug/L	100

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

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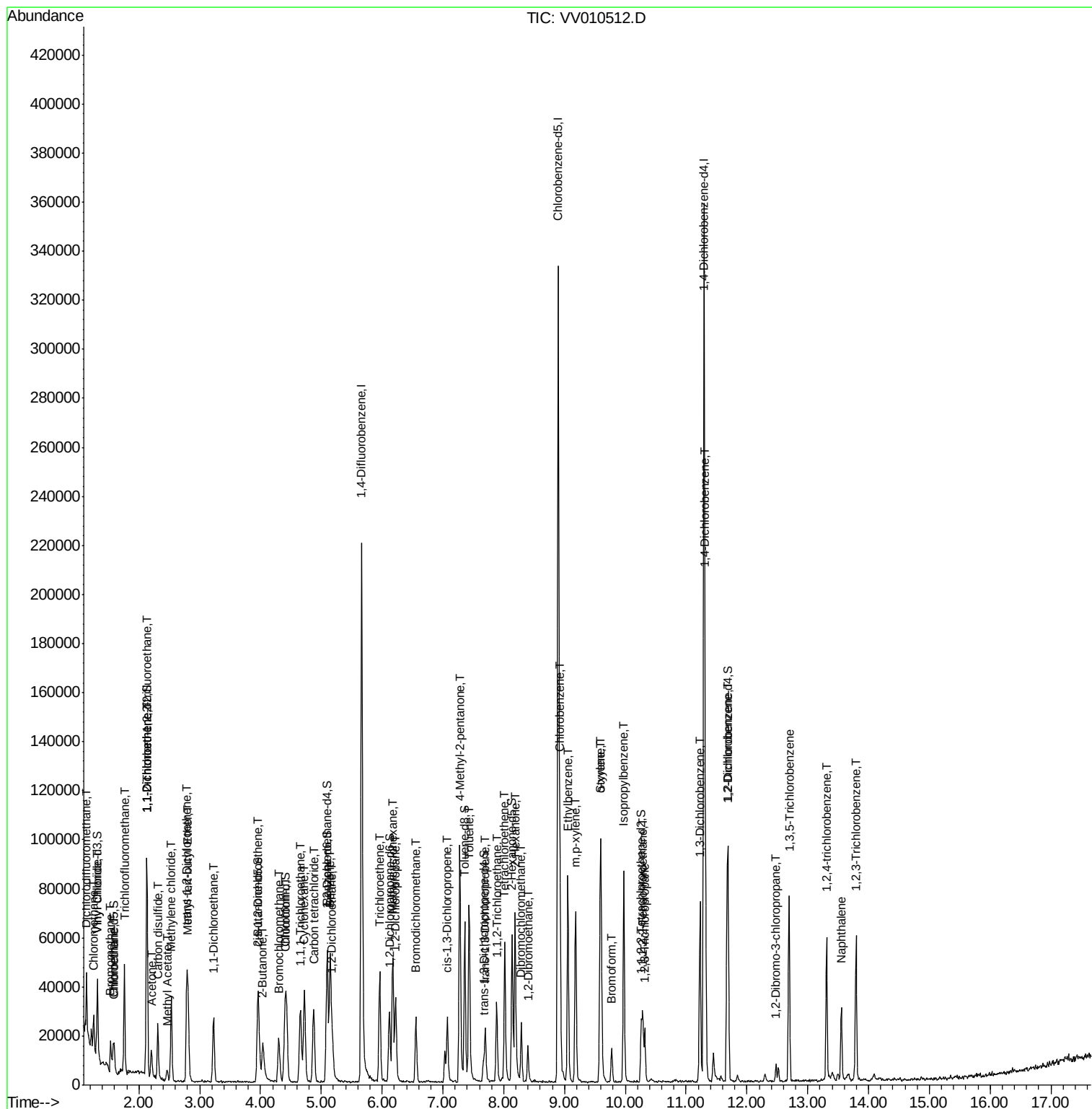
Quant Time: Apr 26 22:24:51 2019

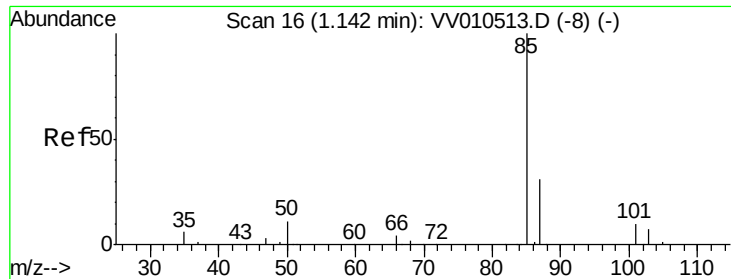
Quant Method : Z:\V0ASRV\HPCHEM1\MSV0A_V\METHOD\SOMVTR042719WMA.M

Quant Title : TRACE VOA SOM01.0

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Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 1.080 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

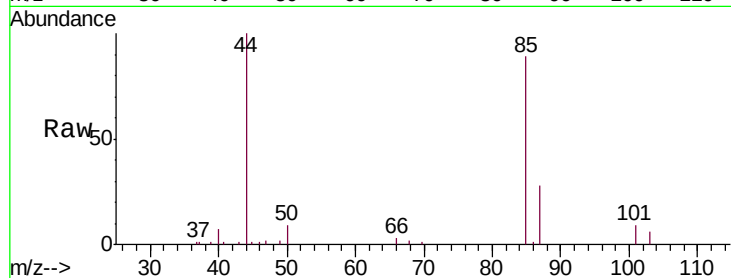
VSTD00135

Tgt Ion: 85 Resp: 17371

Ion Ratio Lower Upper

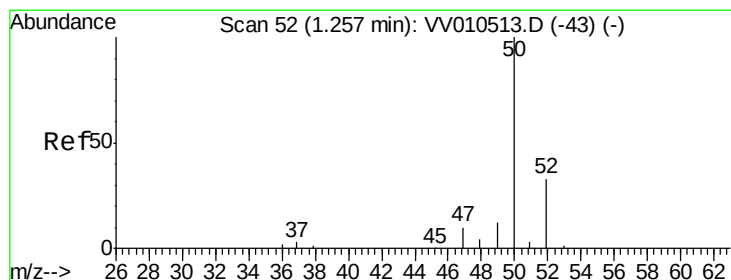
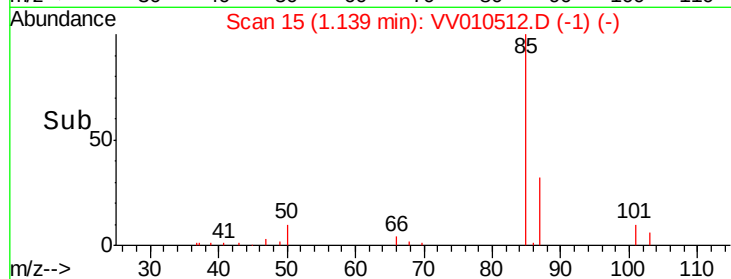
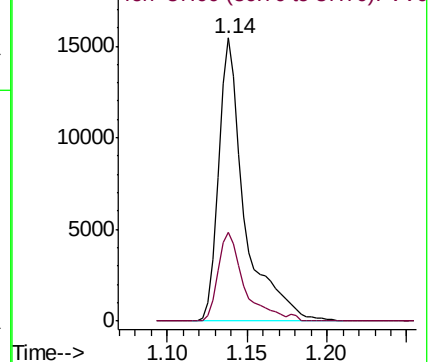
85 100

87 32.1 24.1 36.1



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 0.935 ug/L

RT: 1.25 min Scan# 51

Delta R.T. -0.00 min

Lab File: VV010512.D

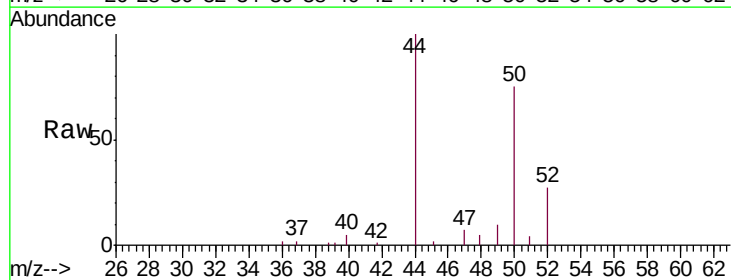
Acq: 26 Apr 2019 19:32

Tgt Ion: 50 Resp: 11467

Ion Ratio Lower Upper

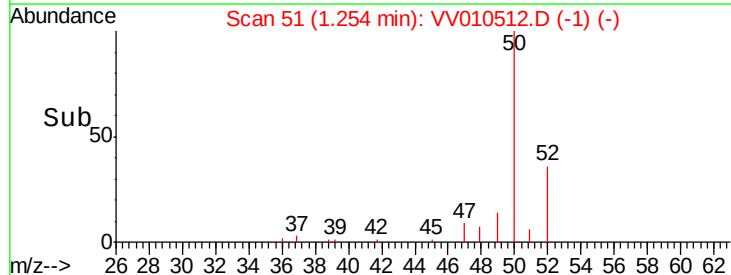
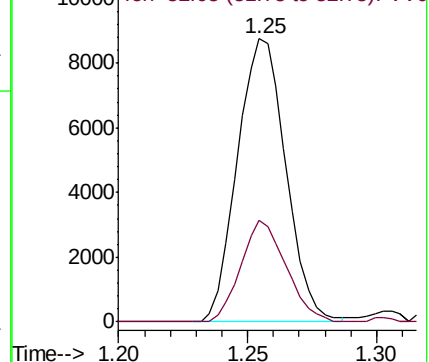
50 100

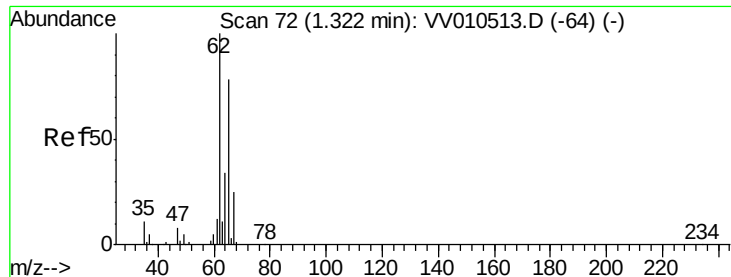
52 35.8 23.3 43.3



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0





#5

Vinyl chloride

Concen: 0.899 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampled :

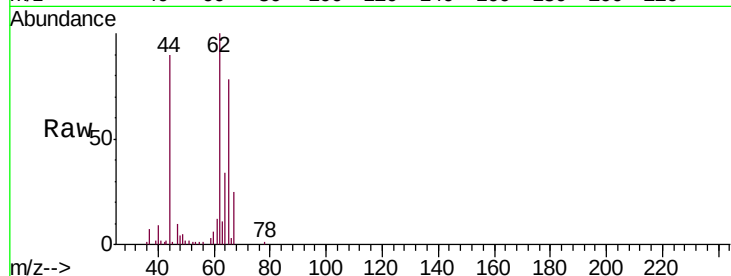
VSTD00135

Tgt Ion: 62 Resp: 12004

Ion Ratio Lower Upper

62 100

64 34.1 23.9 44.5



Abundance Ion 62.00 (61.70 to 62.70): VV010513.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV010513.D (-64) (-)

12000

10000

8000

6000

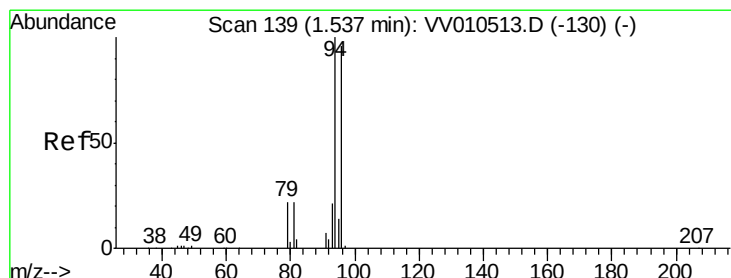
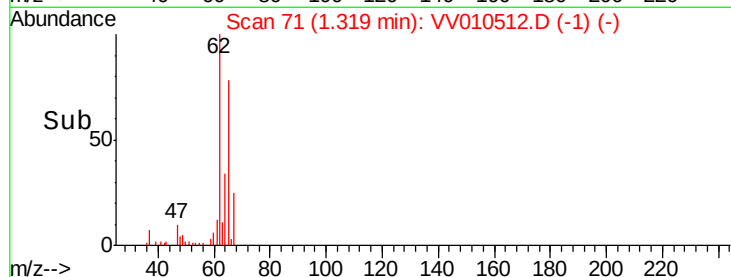
4000

2000

0

1.30 1.32 1.34 1.36

Time-->



#6

Bromomethane

Concen: 0.554 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV010512.D

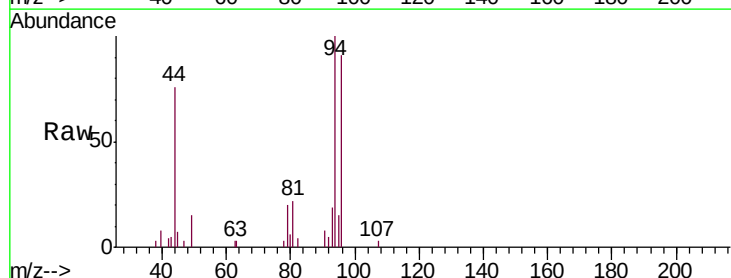
Acq: 26 Apr 2019 19:32

Tgt Ion: 94 Resp: 4631

Ion Ratio Lower Upper

94 100

96 90.5 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV010513.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV010513.D (-130) (-)

5000

4000

3000

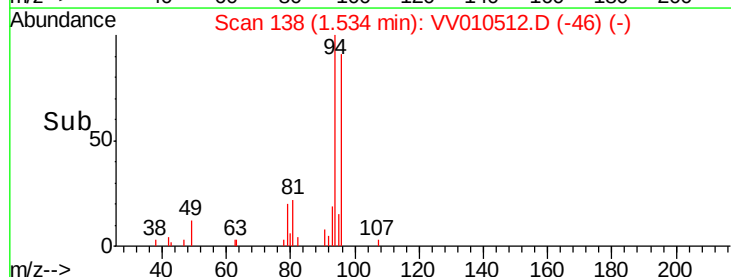
2000

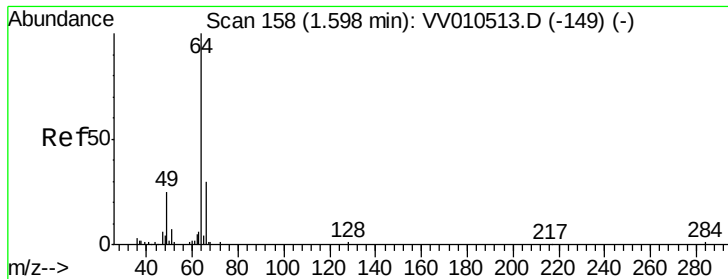
1000

0

1.50 1.53 1.55 1.57 1.59

Time-->





#8

Chloroethane

Concen: 0.553 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

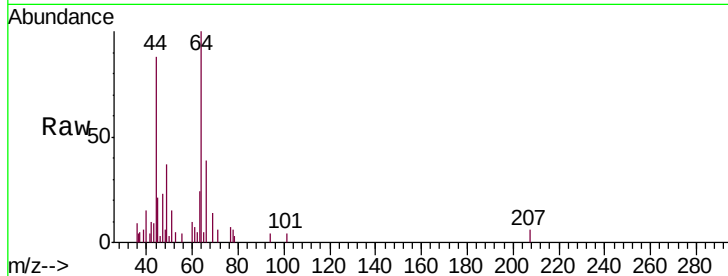
VSTD00135

Tgt Ion: 64 Resp: 3918

Ion Ratio Lower Upper

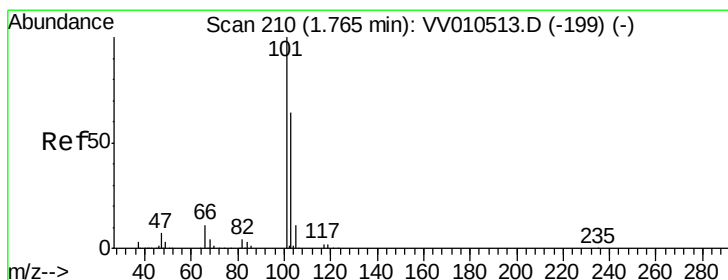
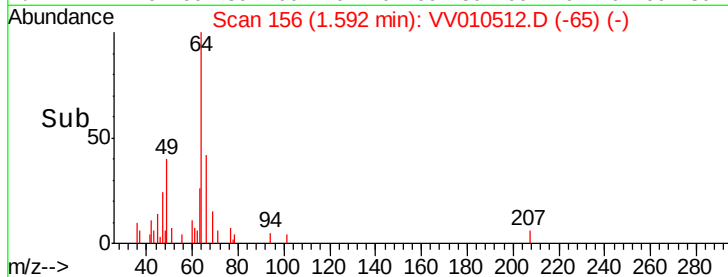
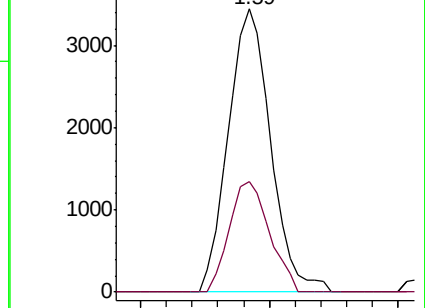
64 100

66 39.2 20.7 38.5#



Abundance Ion 64.10 (63.80 to 64.80): VV010513.D (-149) (-)

Ion 66.05 (65.75 to 66.75): VV010512.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 0.982 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV010512.D

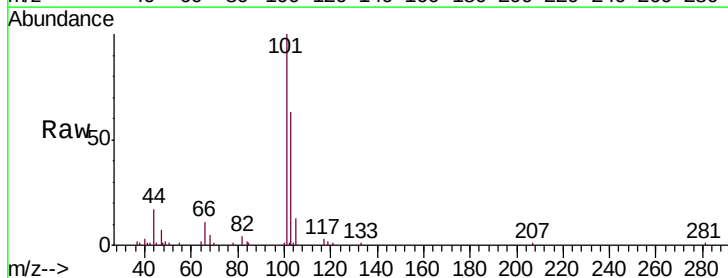
Acq: 26 Apr 2019 19:32

Tgt Ion: 101 Resp: 24650

Ion Ratio Lower Upper

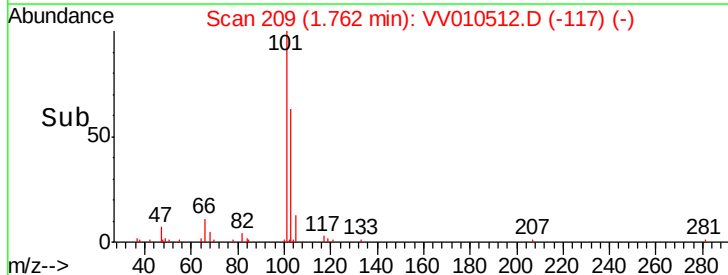
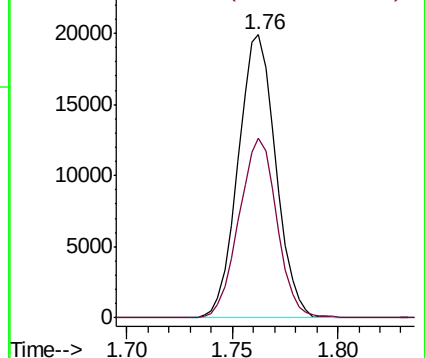
101 100

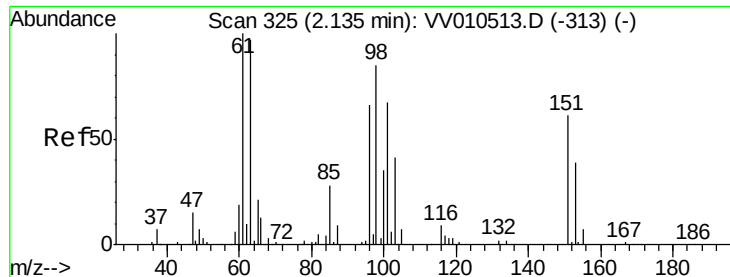
103 64.0 50.5 75.7



Abundance Ion 101.00 (100.70 to 101.70): VV010513.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV010512.D (-117) (-)





#10

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

Concen: 0.894 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

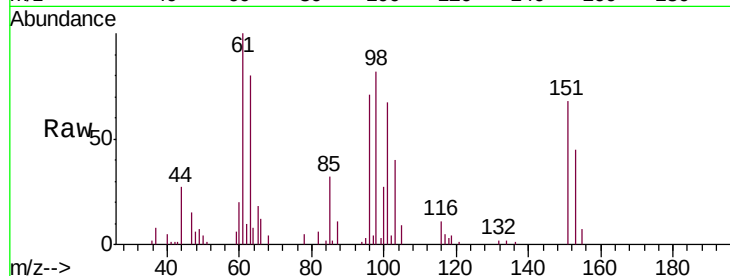
Tgt Ion:101 Resp: 11618

Ion Ratio Lower Upper

101 100

85 45.9 34.2 51.4

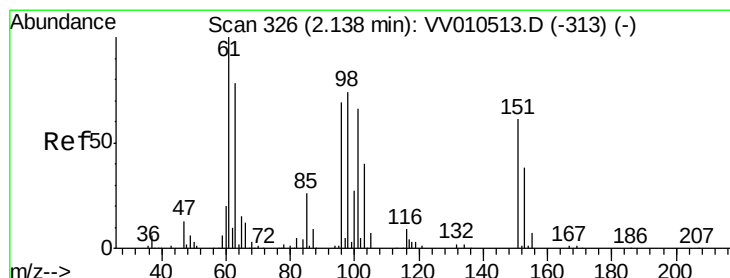
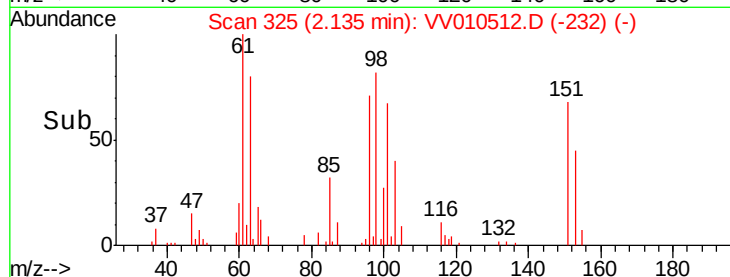
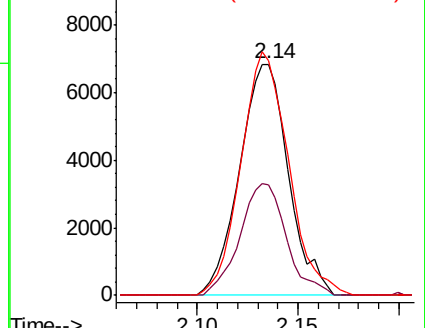
151 102.7 75.2 112.8



Abundance Ion 101.00 (100.70 to 101.70): VV010512.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV010512.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV010512.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 0.862 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

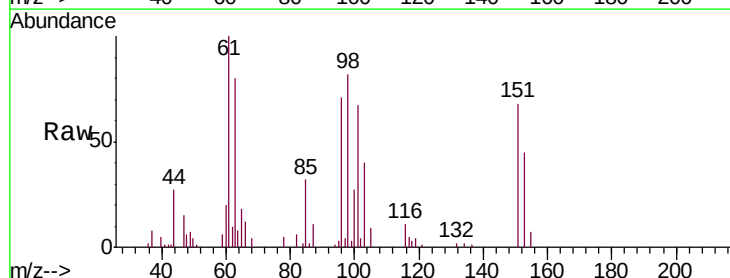
Tgt Ion: 96 Resp: 10179

Ion Ratio Lower Upper

96 100

61 139.9 101.2 188.0

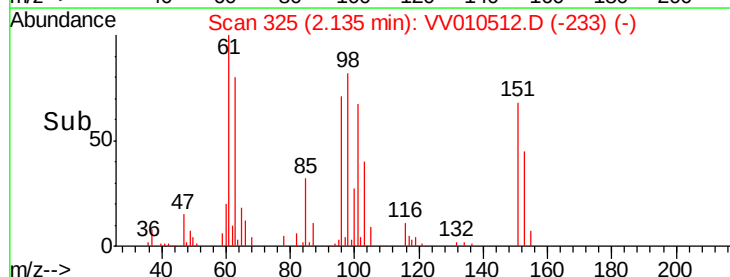
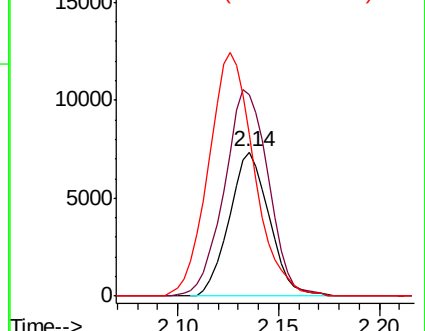
63 112.2 79.2 147.0

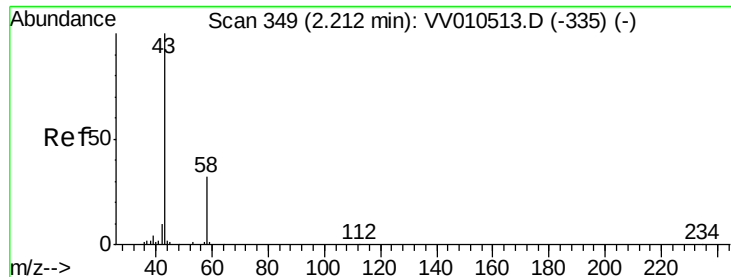


Abundance Ion 96.00 (95.70 to 96.70): VV010512.D (-233) (-)

Ion 61.05 (60.75 to 61.75): VV010512.D (-233) (-)

Ion 63.00 (62.70 to 63.70): VV010512.D (-233) (-)





#13

Acetone

Concen: 9.173 ug/L

RT: 2.20 min Scan# 346

Delta R.T. -0.01 min

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ClientSampleId :

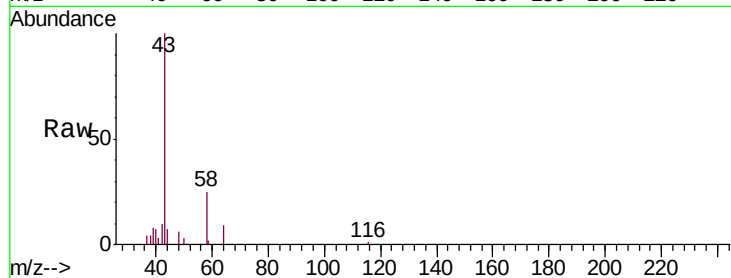
VSTD00135

Tgt Ion: 43 Resp: 13596

Ion Ratio Lower Upper

43 100

58 27.8 0.0 57.4



Abundance Ion 43.05 (42.75 to 43.75): VV010513.D (-335) (-)

Ion 58.05 (57.75 to 58.75): VV010512.D (-256) (-)

2.20

8000

6000

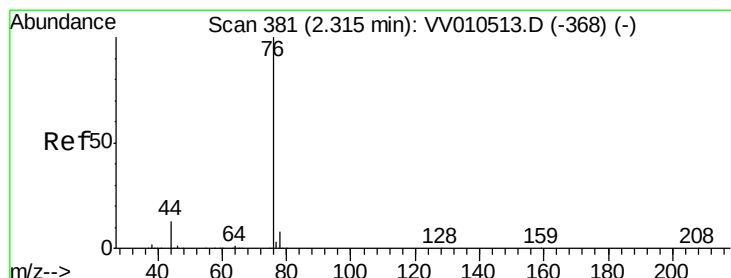
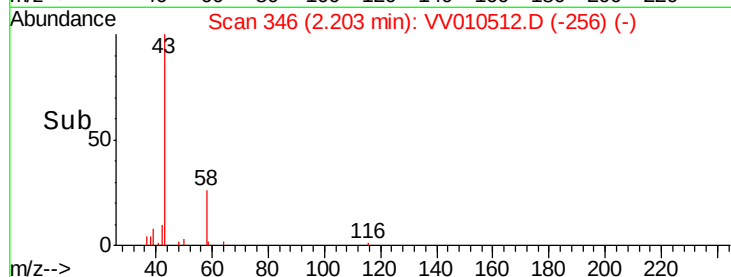
4000

2000

0

2.15 2.20 2.25

Time-->



#14

Carbon disulfide

Concen: 0.816 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.01 min

Lab File: VV010512.D

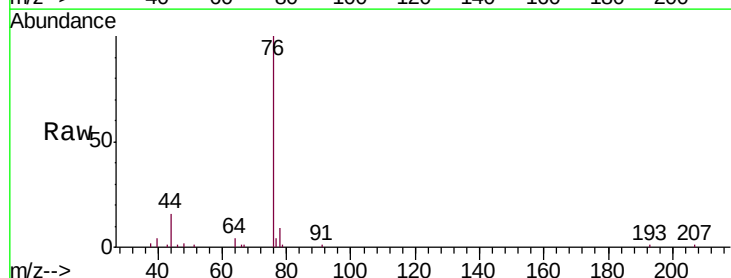
Acq: 26 Apr 2019 19:32

Tgt Ion: 76 Resp: 25804

Ion Ratio Lower Upper

76 100

78 8.5 6.9 10.3



Abundance Ion 76.05 (75.75 to 76.75): VV010513.D (-368) (-)

Ion 78.00 (77.70 to 78.70): VV010512.D (-288) (-)

2.31

15000

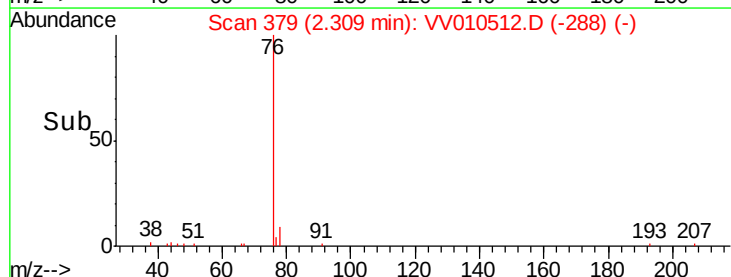
10000

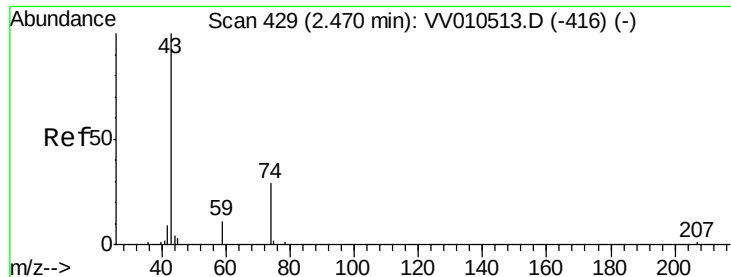
5000

0

2.25 2.30 2.35

Time-->

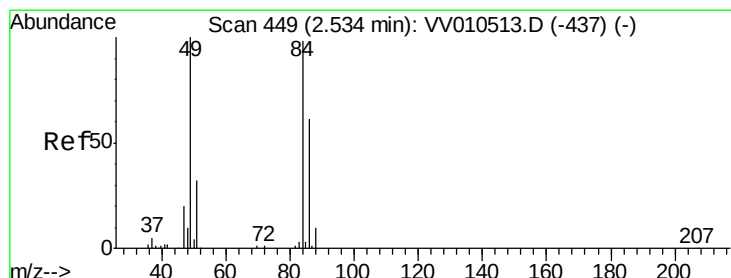
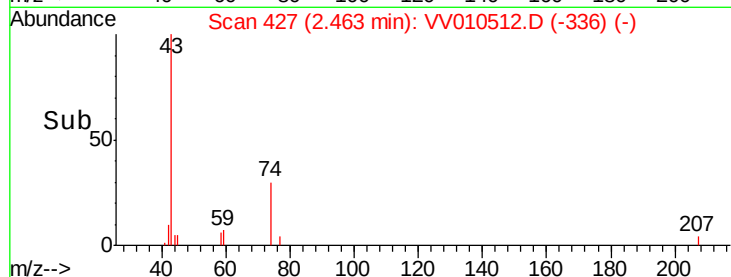
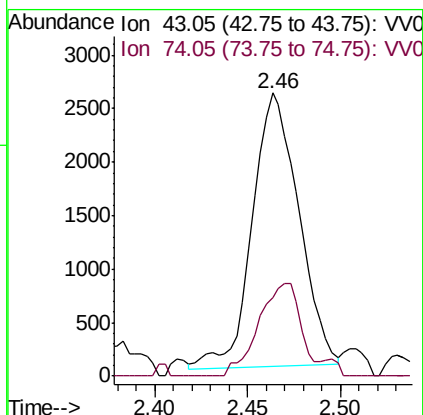
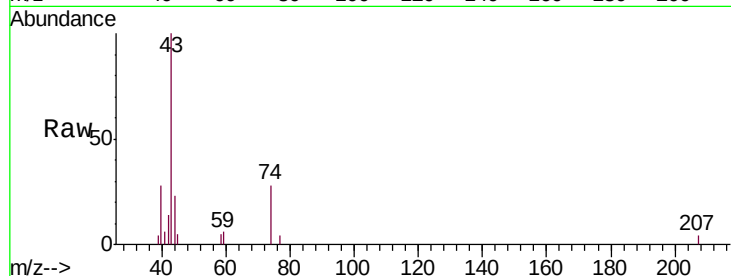




#15
Methyl Acetate
Concen: 1.109 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

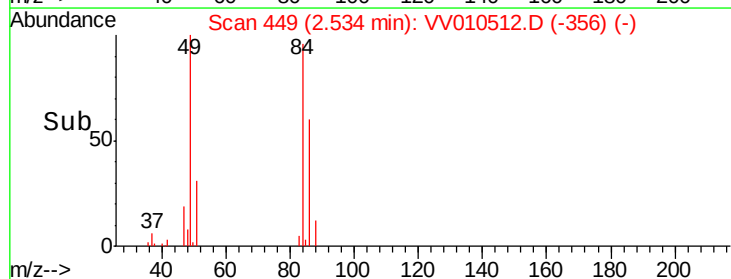
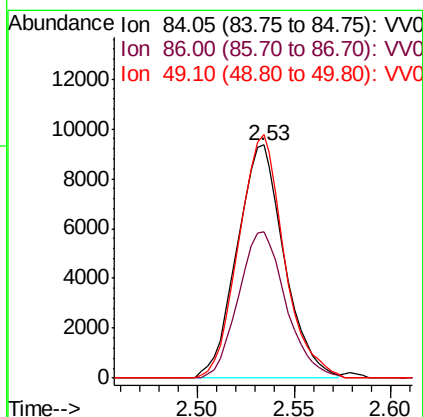
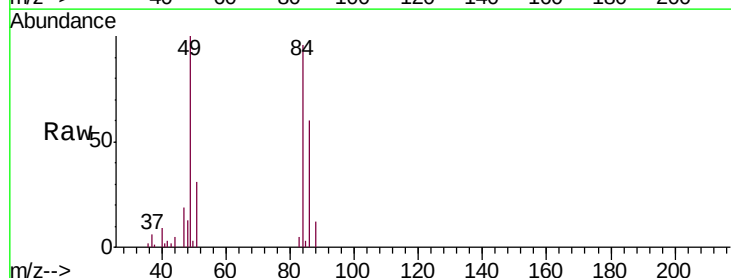
Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

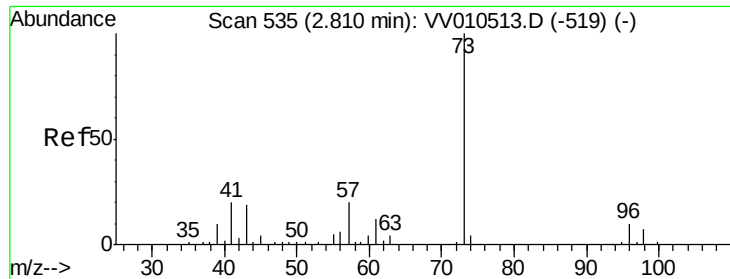
Tgt Ion: 43 Resp: 4446
Ion Ratio Lower Upper
43 100
74 30.9 24.2 36.2



#16
Methylene chloride
Concen: 1.141 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

Tgt Ion: 84 Resp: 15894
Ion Ratio Lower Upper
84 100
86 62.7 43.7 81.1
49 104.5 71.4 132.6

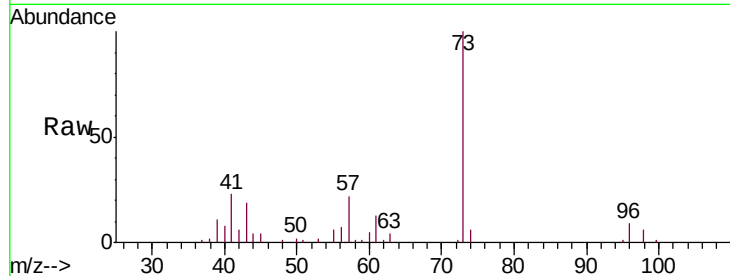




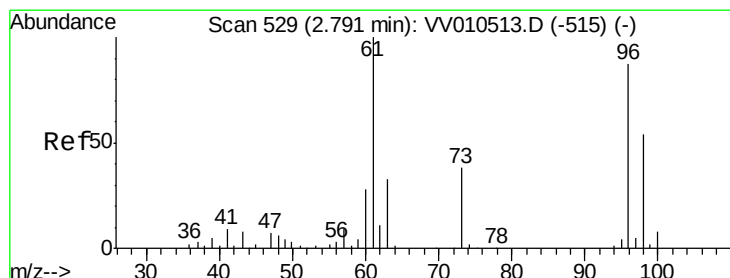
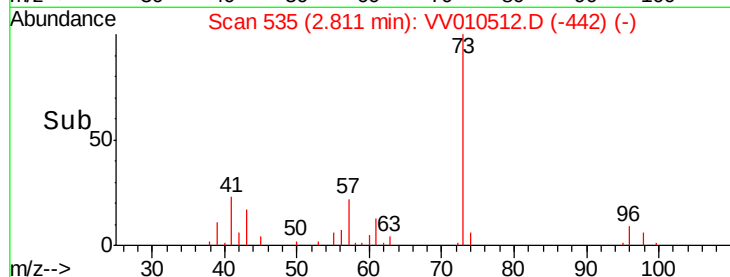
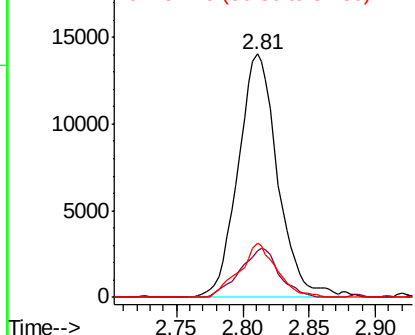
#17
Methyl tert-butyl Ether
Concen: 1.005 ug/L
RT: 2.81 min Scan# 535
Delta R.T. 0.00 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion: 73 Resp: 29097
Ion Ratio Lower Upper
73 100
43 19.9 15.4 23.0
57 21.0 16.0 24.0

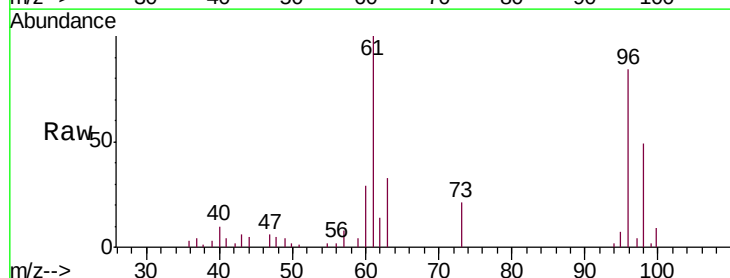


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

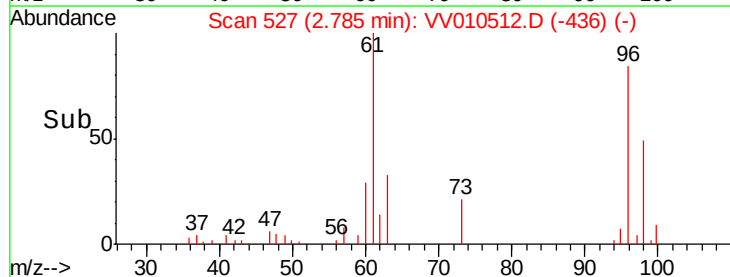
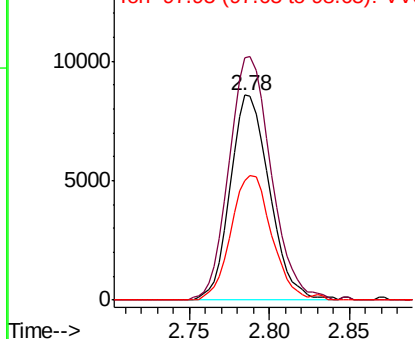


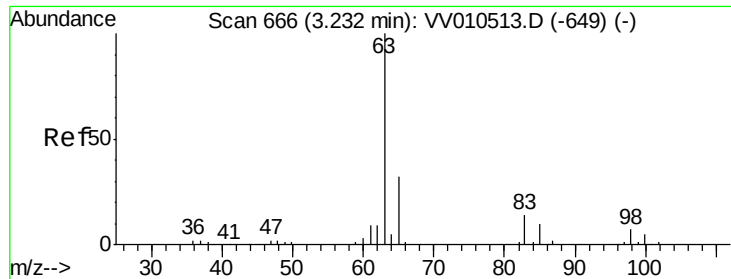
#18
trans-1,2-Dichloroethene
Concen: 1.052 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.01 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

Tgt Ion: 96 Resp: 14352
Ion Ratio Lower Upper
96 100
61 118.5 80.2 148.9
98 58.4 43.3 80.3



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

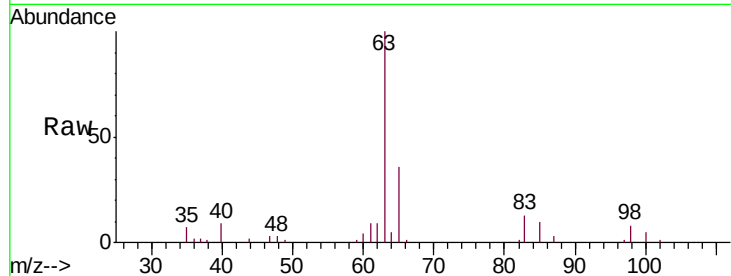




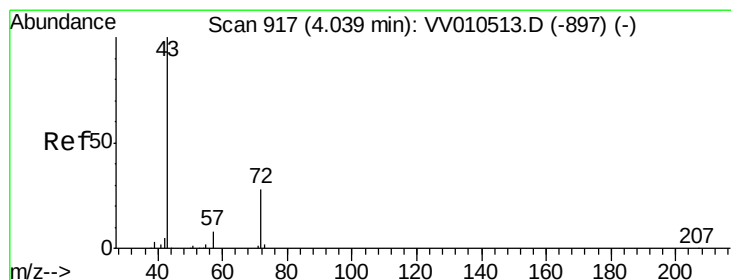
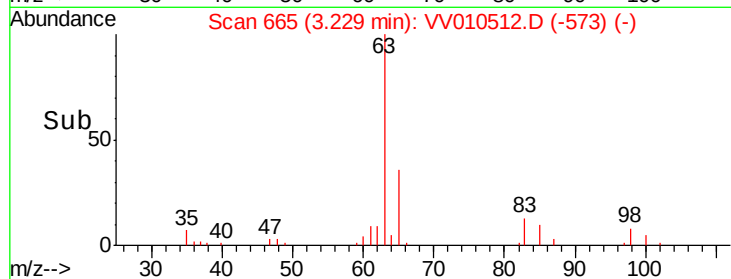
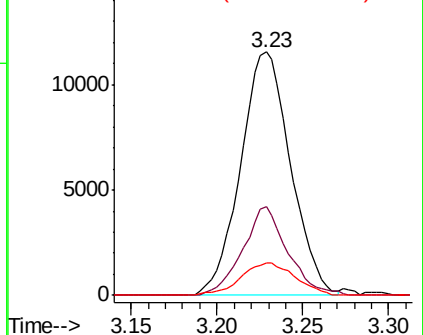
#19
 1,1-Dichloroethane
 Concen: 1.060 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 63 Resp: 23284
 Ion Ratio Lower Upper
 63 100
 65 36.3 22.6 42.0
 83 13.2 9.8 18.2

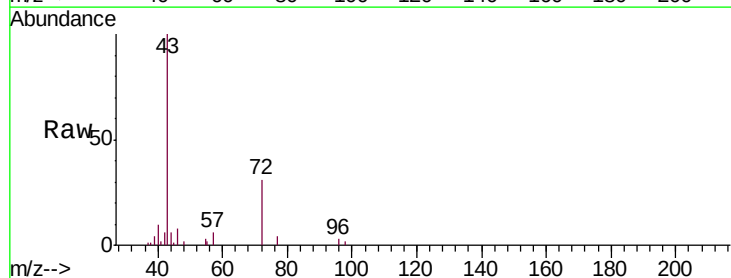


Abundance Ion 63.10 (62.80 to 63.80): VV0
 Ion 65.10 (64.80 to 65.80): VV0
 Ion 83.05 (82.75 to 83.75): VV0

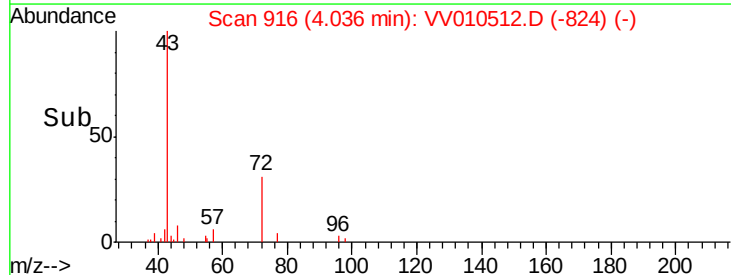
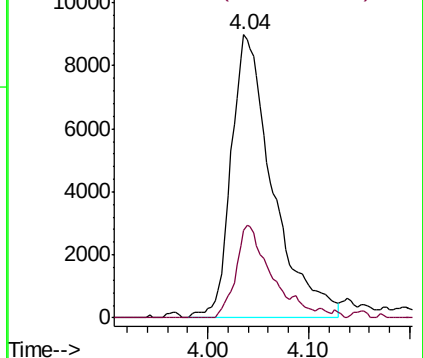


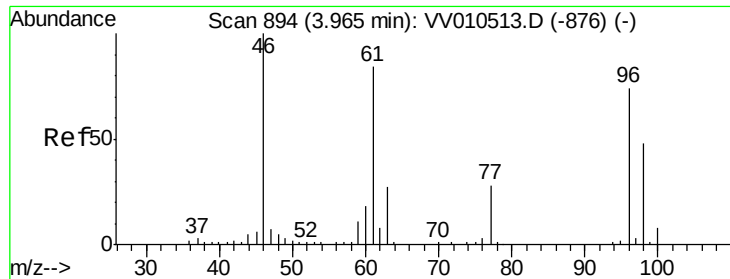
#21
 2-Butanone
 Concen: 9.664 ug/L
 RT: 4.04 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion: 43 Resp: 25755
 Ion Ratio Lower Upper
 43 100
 72 25.1 14.6 43.8



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



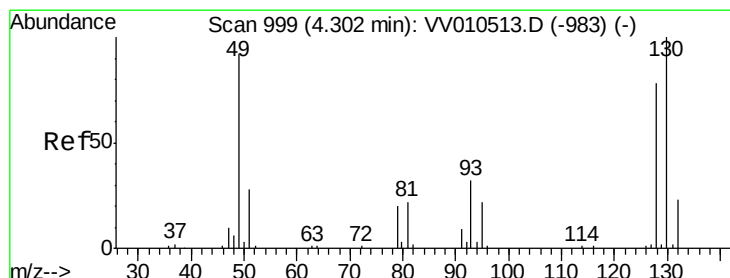
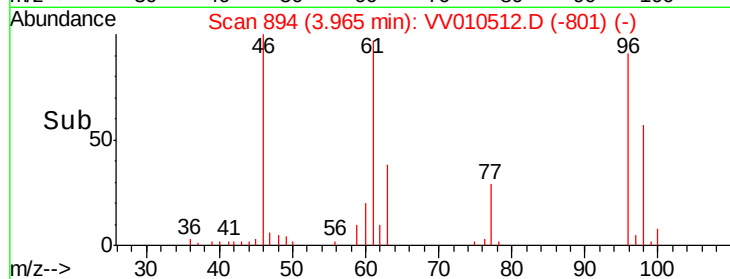
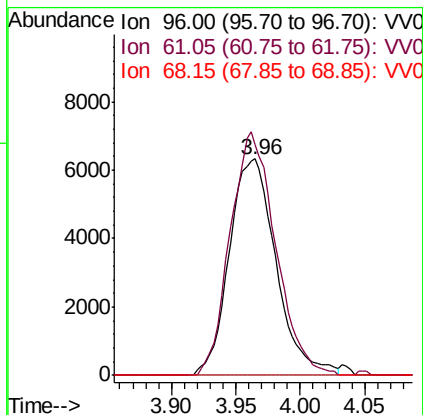
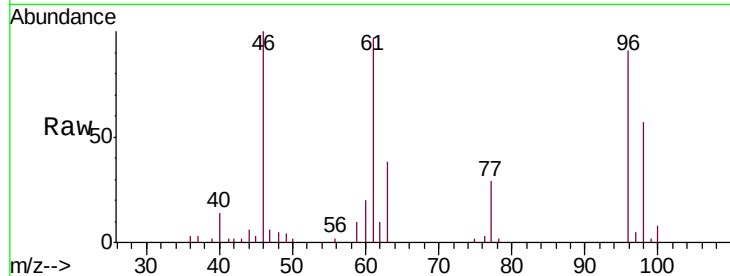


#22

cis-1,2-Dichloroethene
 Concen: 1.123 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

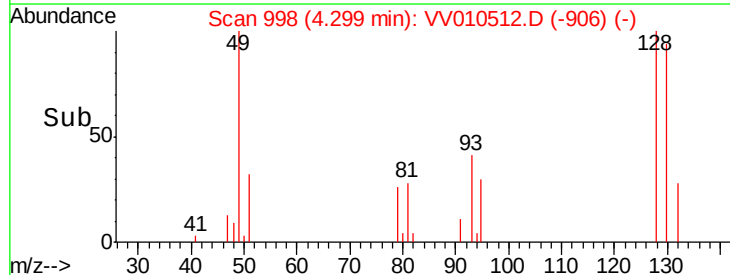
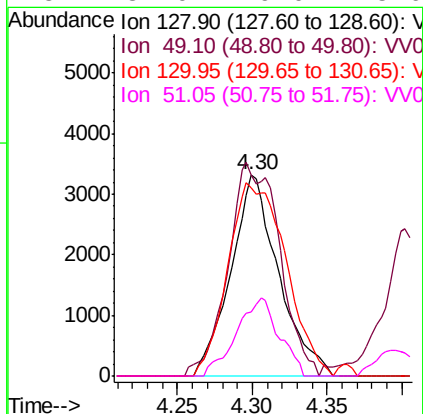
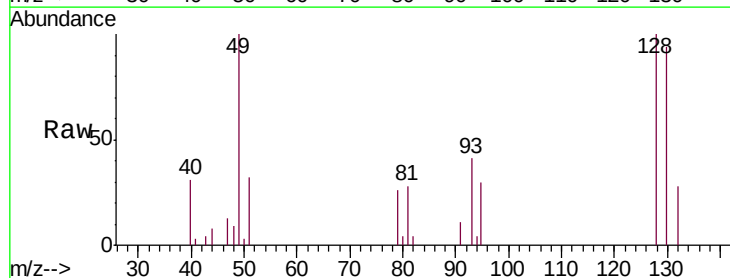
Tgt Ion: 96 Resp: 15974
 Ion Ratio Lower Upper
 96 100
 61 106.6 79.9 148.3
 68 0.0 0.0 0.0

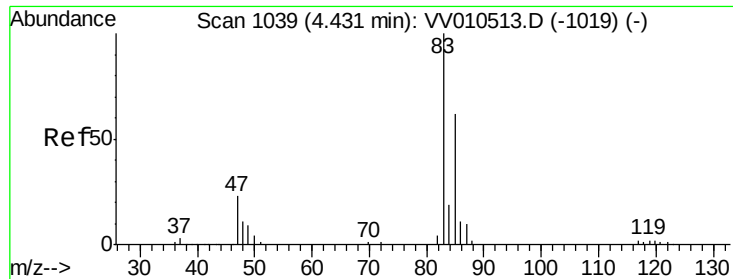


#23

Bromochloromethane
 Concen: 1.161 ug/L
 RT: 4.30 min Scan# 998
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion: 128 Resp: 7391
 Ion Ratio Lower Upper
 128 100
 49 100.3 82.3 152.9
 130 93.8 89.8 166.8
 51 32.0 29.0 43.6

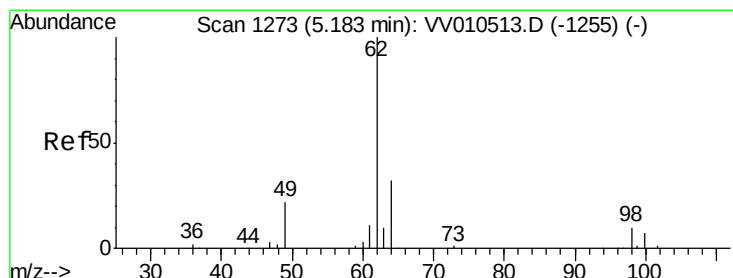
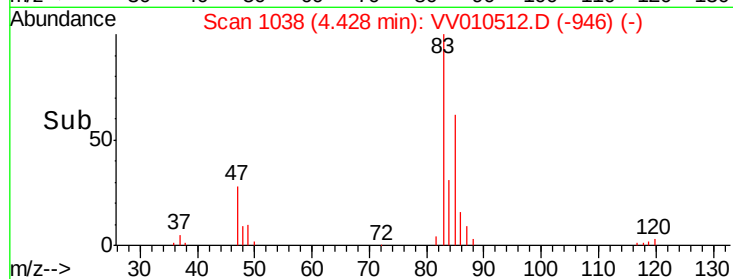
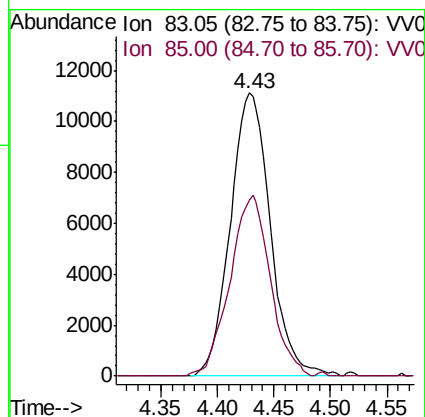
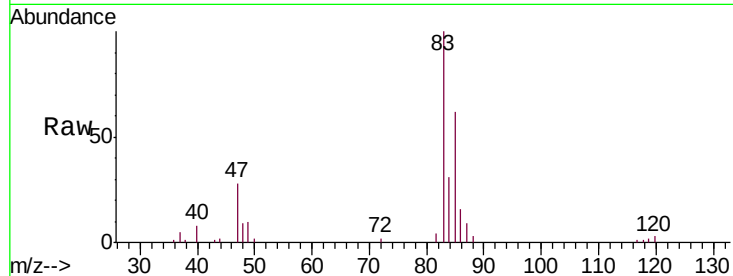




#25
Chloroform
Concen: 1.072 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. -0.00 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

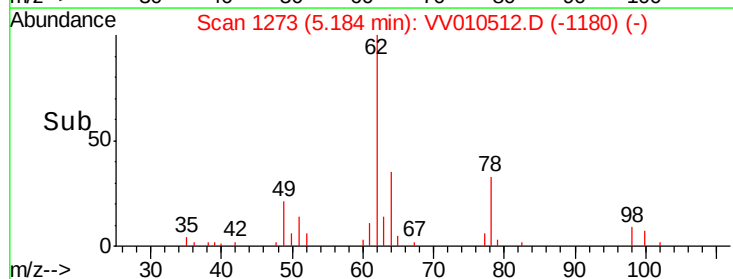
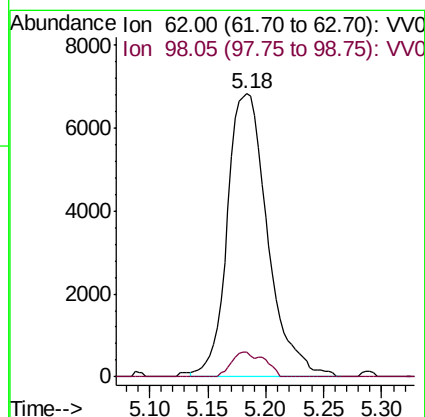
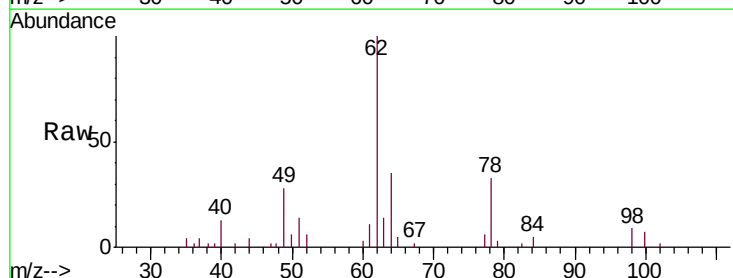
Instrument :
MSVOA_V
ClientSampled :
VSTD00135

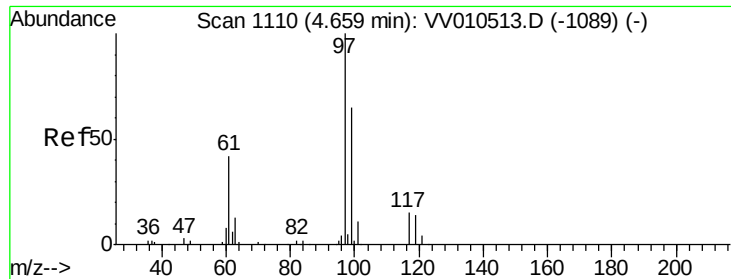
Tgt Ion: 83 Resp: 27336
Ion Ratio Lower Upper
83 100
85 62.1 43.6 81.0



#27
1,2-Dichloroethane
Concen: 1.101 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

Tgt Ion: 62 Resp: 16532
Ion Ratio Lower Upper
62 100
98 8.7 7.6 11.4

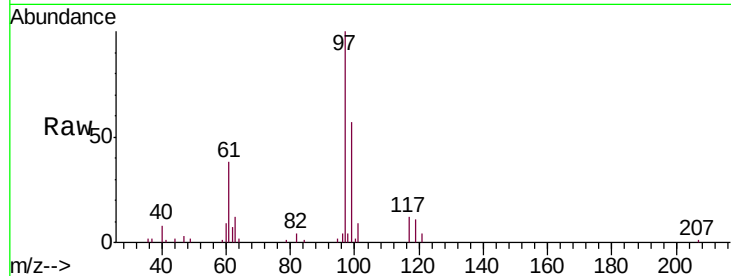




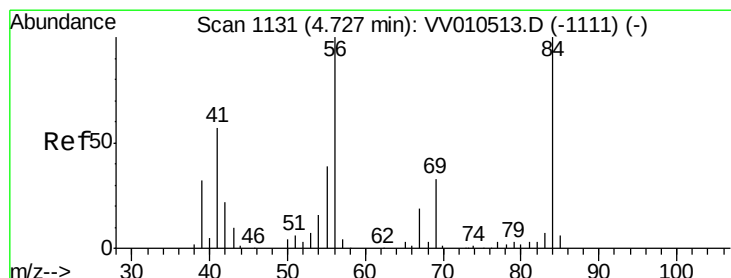
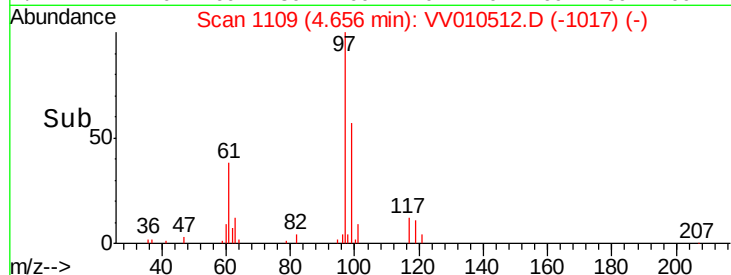
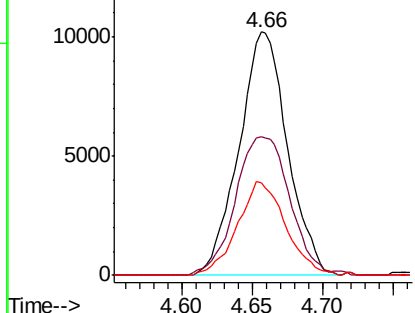
#29
 1,1,1-Trichloroethane
 Concen: 1.063 ug/L
 RT: 4.66 min Scan# 1109
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion: 97 Resp: 24539
 Ion Ratio Lower Upper
 97 100
 99 63.7 51.8 77.6
 61 38.3 31.6 47.4

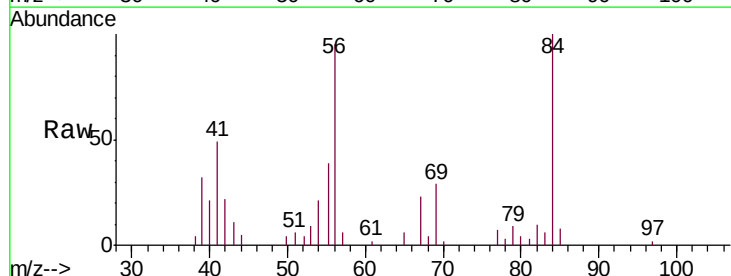


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

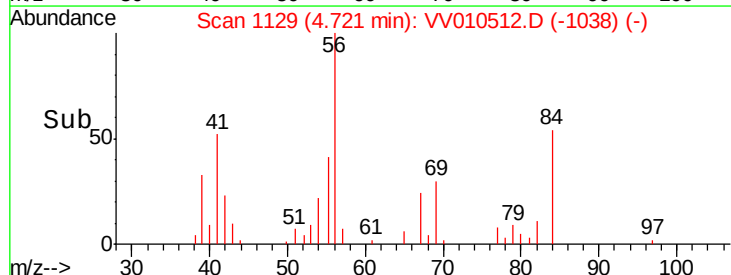
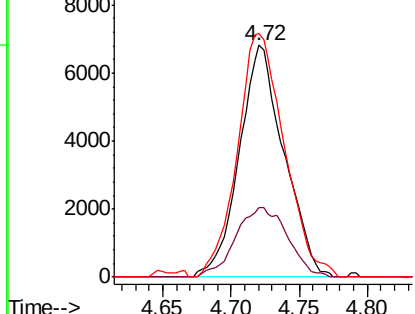


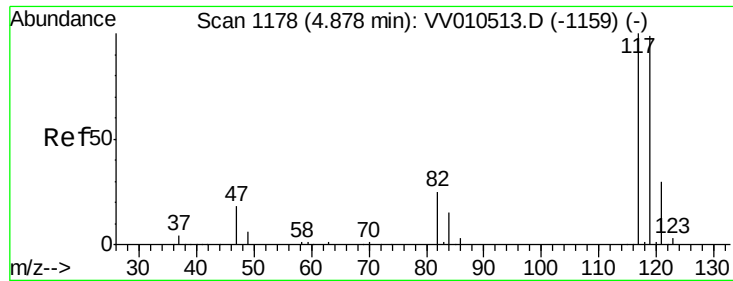
#30
 Cyclohexane
 Concen: 0.815 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion: 56 Resp: 15533
 Ion Ratio Lower Upper
 56 100
 69 34.9 27.1 40.7
 84 110.5 80.4 120.6



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 1.080 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.01 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

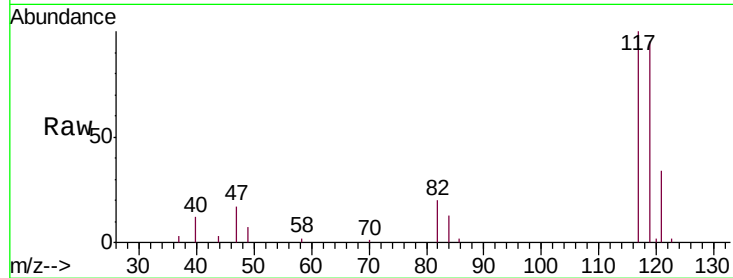
VSTD00135

Tgt Ion:117 Resp: 22783

Ion Ratio Lower Upper

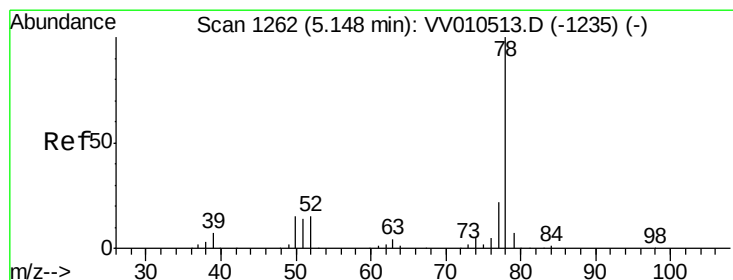
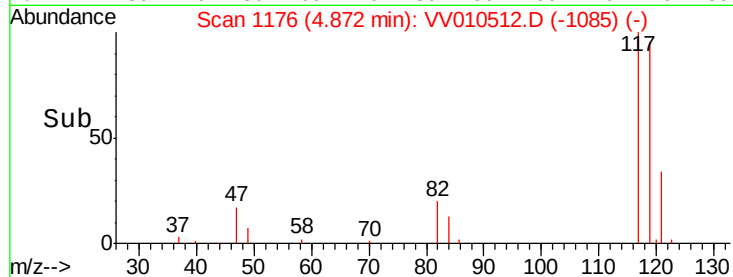
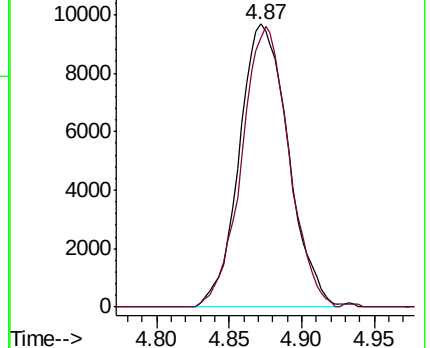
117 100

119 95.2 77.8 116.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 1.058 ug/L

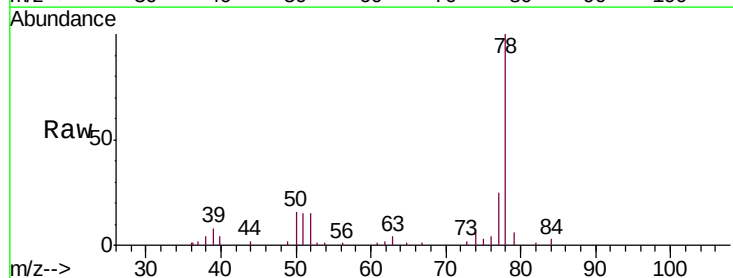
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

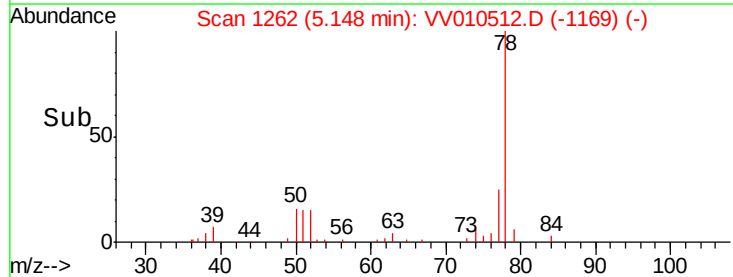
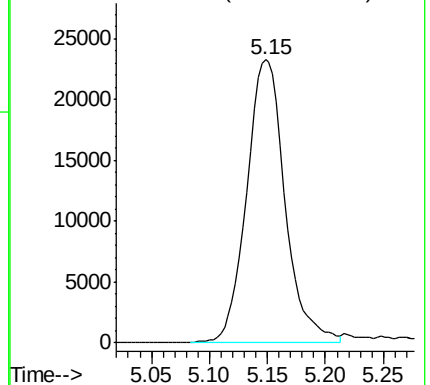
Lab File: VV010512.D

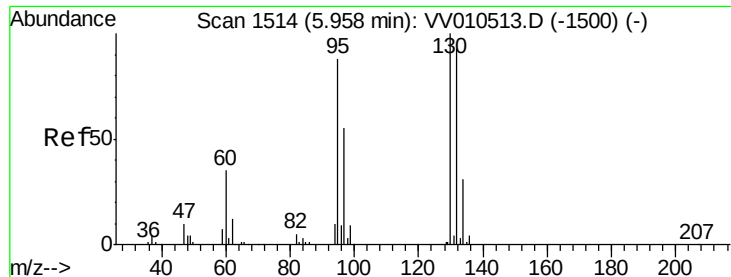
Acq: 26 Apr 2019 19:32

Tgt Ion: 78 Resp: 53886



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 1.080 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

Tgt Ion: 95 Resp: 15843

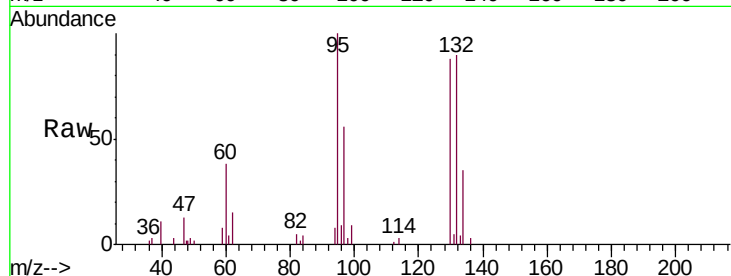
Ion Ratio Lower Upper

95 100

97 56.2 43.3 80.5

132 89.8 74.1 137.5

130 88.3 79.5 147.6

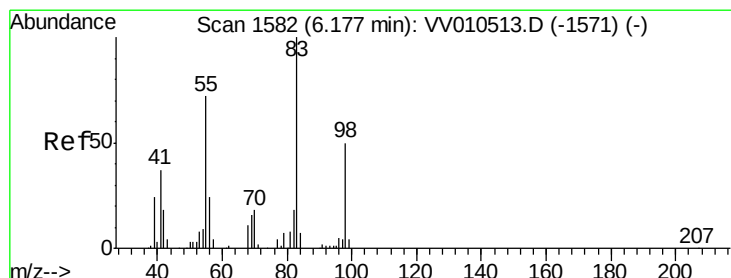
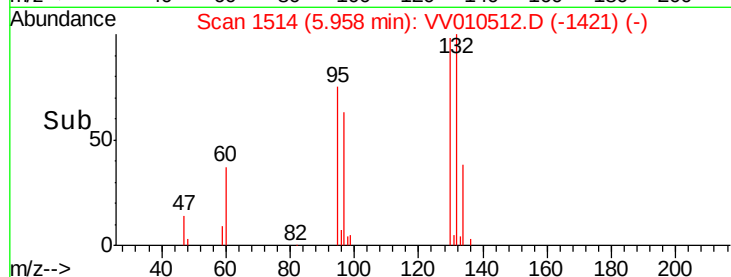
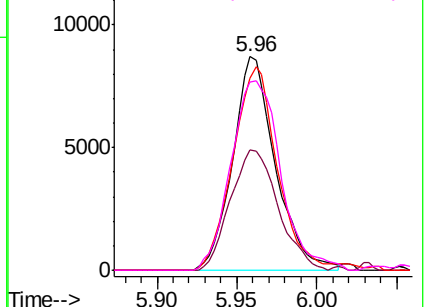


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.907 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

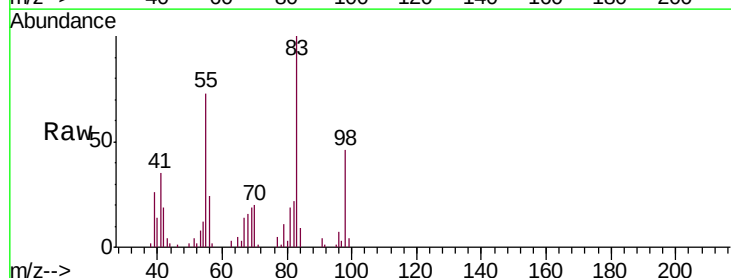
Tgt Ion: 83 Resp: 19214

Ion Ratio Lower Upper

83 100

55 71.4 58.0 87.0

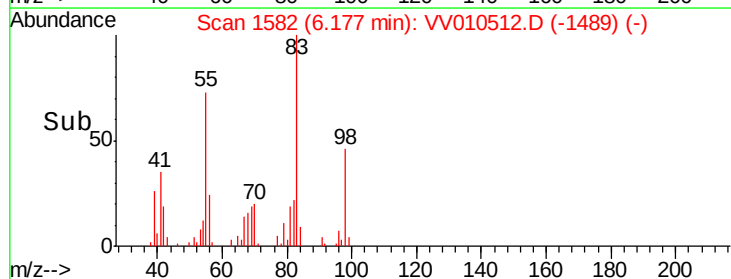
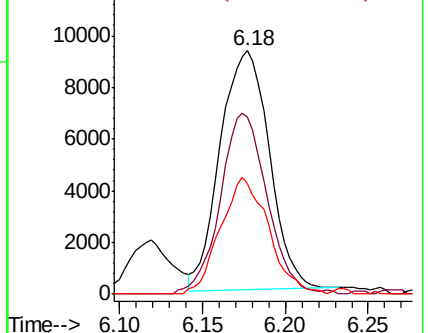
98 47.4 40.4 60.6

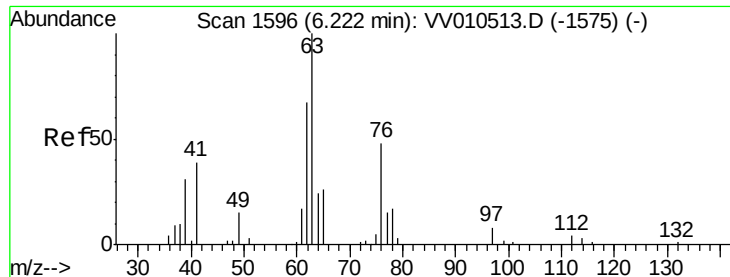


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

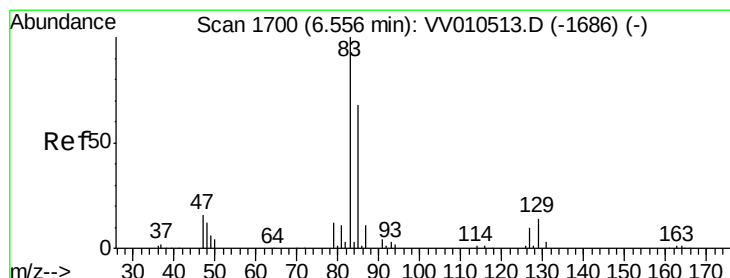
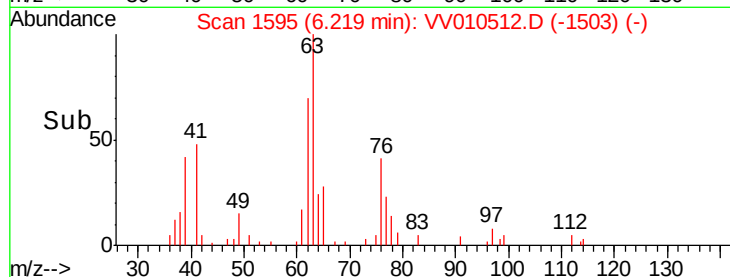
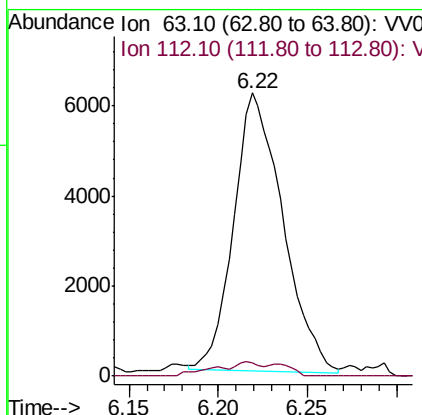
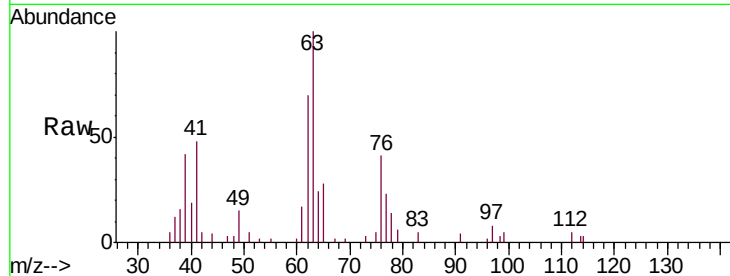




#37
 1,2-Dichloropropane
 Concen: 0.959 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

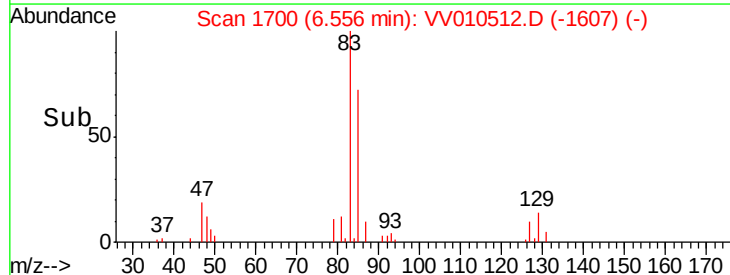
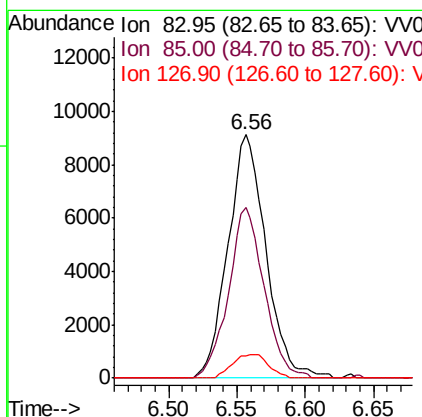
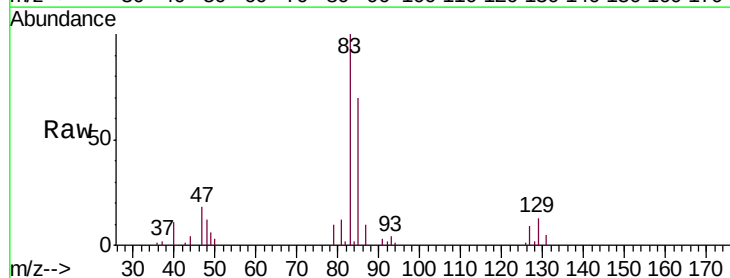
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

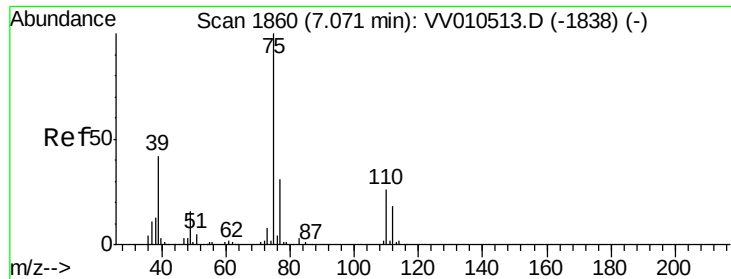
Tgt Ion: 63 Resp: 11886
 Ion Ratio Lower Upper
 63 100
 112 2.6 3.7 5.5#



#38
 Bromodichloromethane
 Concen: 1.061 ug/L
 RT: 6.56 min Scan# 1700
 Delta R.T. 0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion: 83 Resp: 17633
 Ion Ratio Lower Upper
 83 100
 85 70.2 47.5 88.1
 127 9.3 8.2 12.4

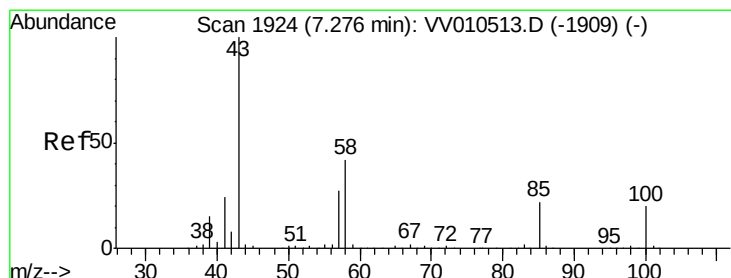
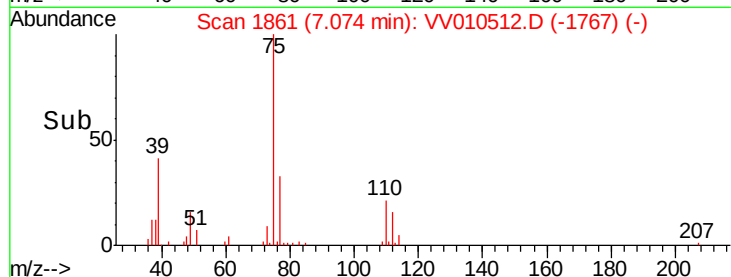
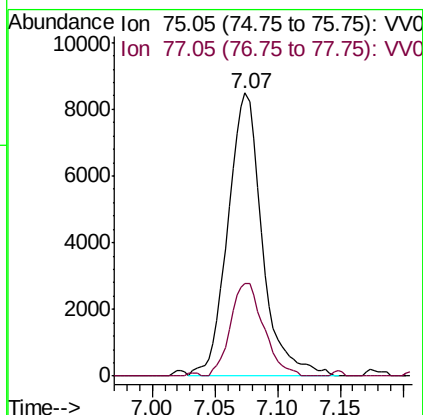
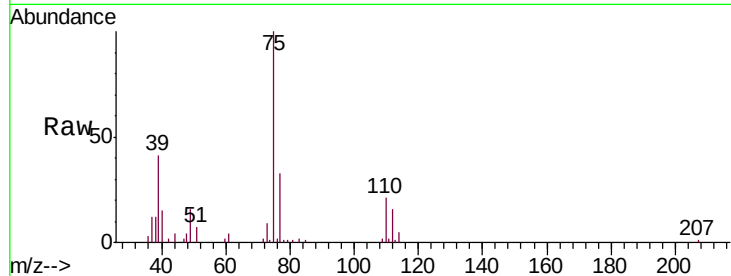




#39
 cis-1,3-Dichloropropene
 Concen: 0.893 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

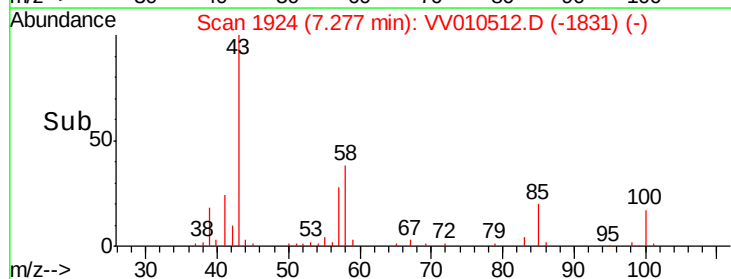
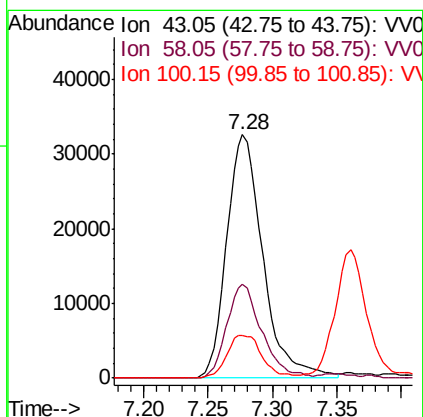
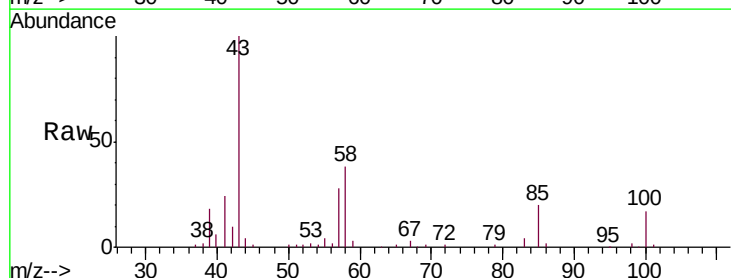
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

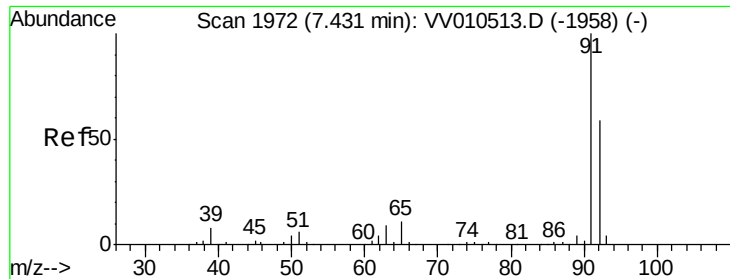
Tgt Ion: 75 Resp: 16154
 Ion Ratio Lower Upper
 75 100
 77 32.9 21.6 40.0



#40
 4-Methyl-2-pentanone
 Concen: 9.162 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion: 43 Resp: 63637
 Ion Ratio Lower Upper
 43 100
 58 37.1 31.9 47.9
 100 17.2 15.0 22.4





#42

Toluene

Concen: 0.946 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

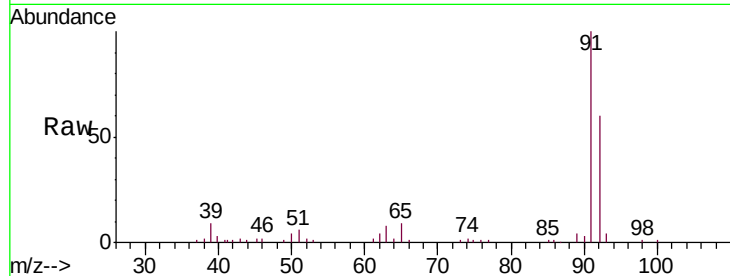
VSTD00135

Tgt Ion: 91 Resp: 54974

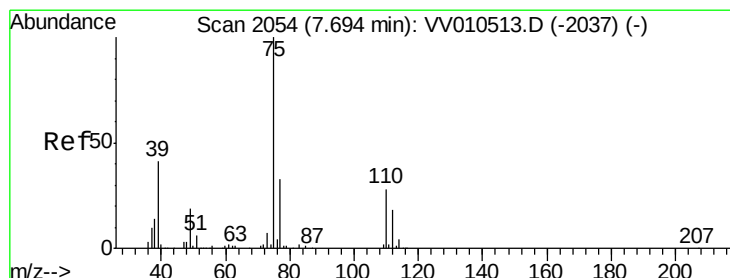
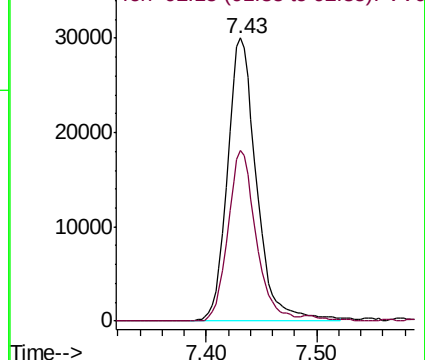
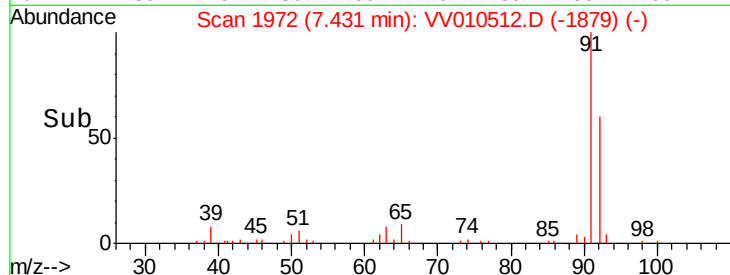
Ion Ratio Lower Upper

91 100

92 60.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV010512.D (-1879) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.895 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV010512.D

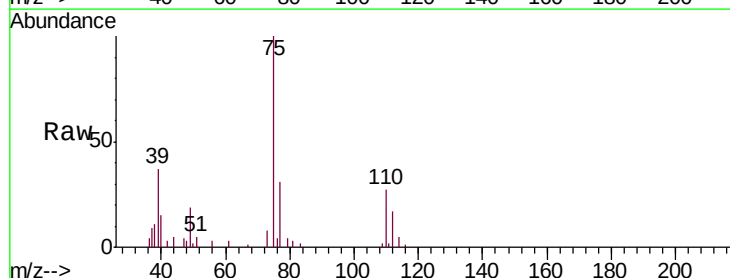
Acq: 26 Apr 2019 19:32

Tgt Ion: 75 Resp: 12560

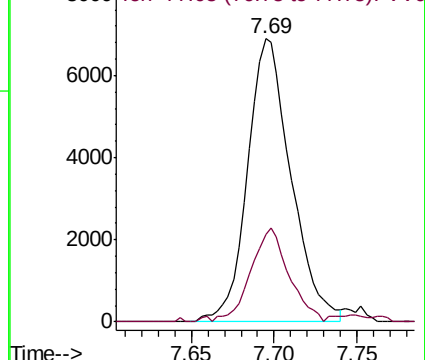
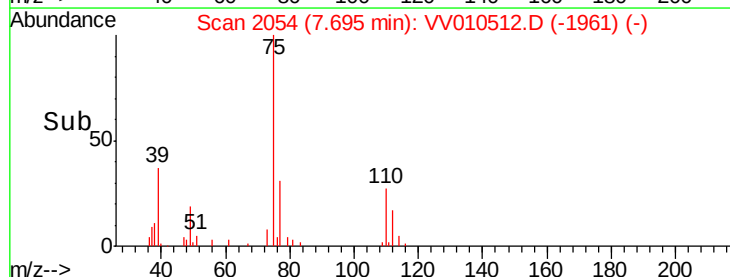
Ion Ratio Lower Upper

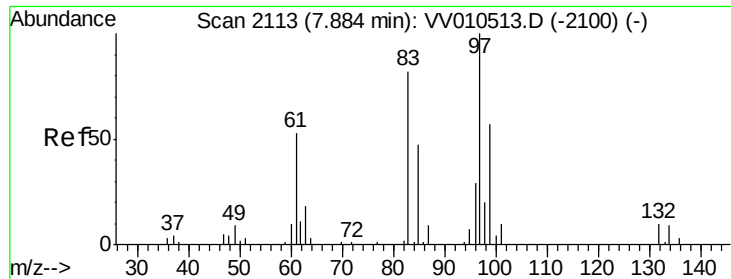
75 100

77 30.9 23.0 42.6



Abundance Ion 75.05 (74.75 to 75.75): VV010512.D (-1961) (-)

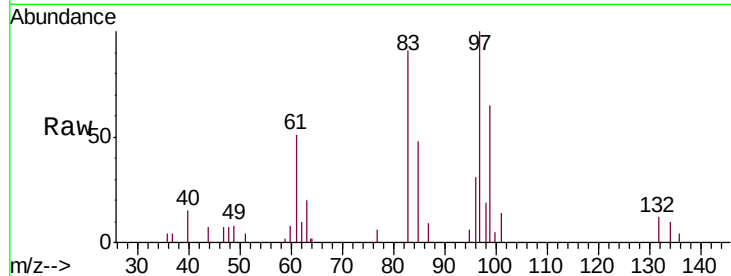




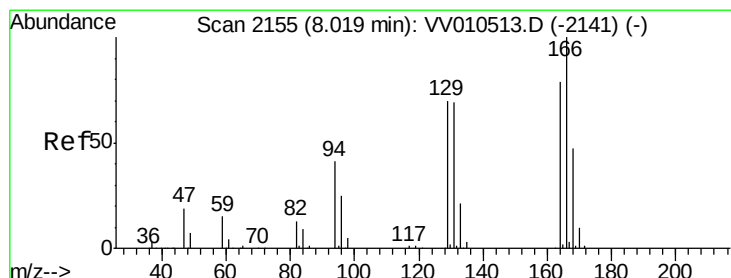
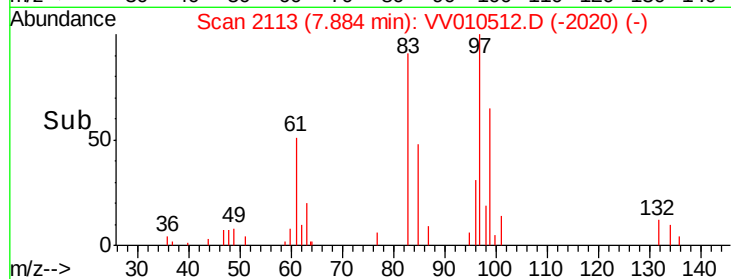
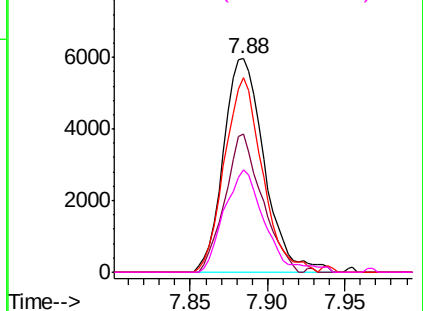
#45
 1,1,2-Trichloroethane
 Concen: 1.177 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion:	97	Resp:	10907
Ion	Ratio	Lower	Upper
97	100		
99	64.8	39.5	73.4
83	91.3	57.7	107.3
85	47.9	32.8	61.0

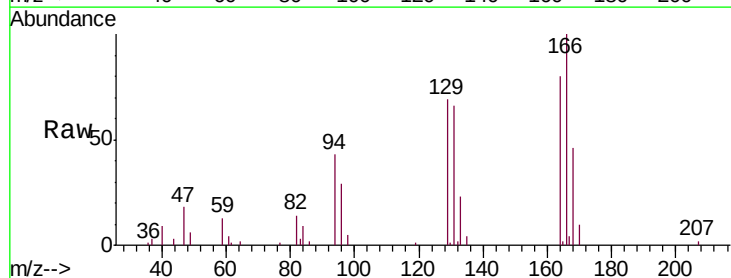


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

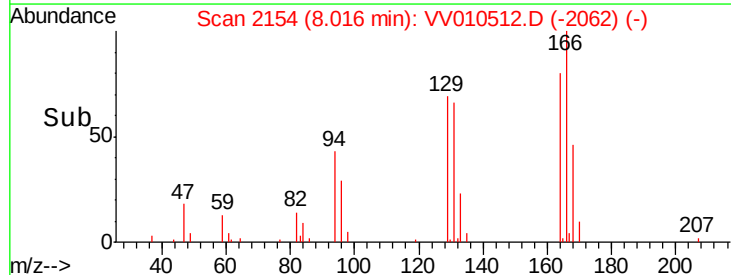
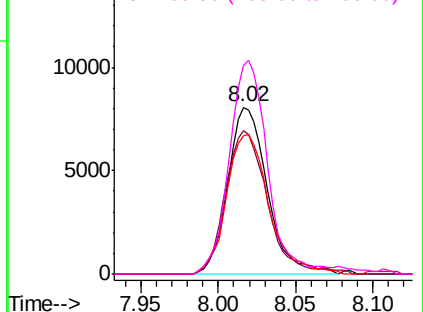


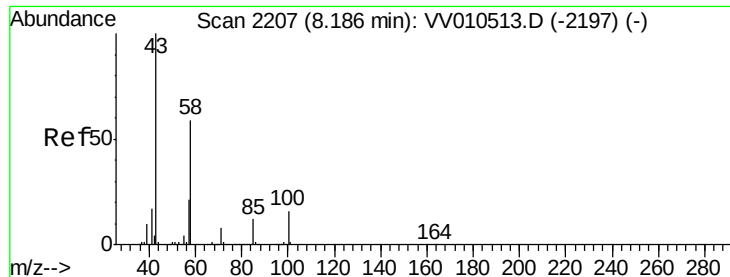
#47
 Tetrachloroethene
 Concen: 1.075 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion:	164	Resp:	14304
Ion	Ratio	Lower	Upper
164	100		
129	86.5	62.2	115.4
131	82.8	61.5	114.1
166	125.6	89.1	165.5



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

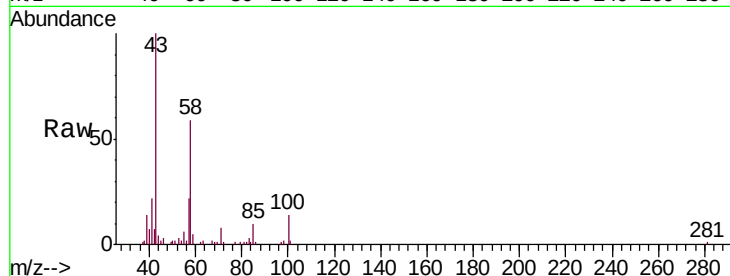




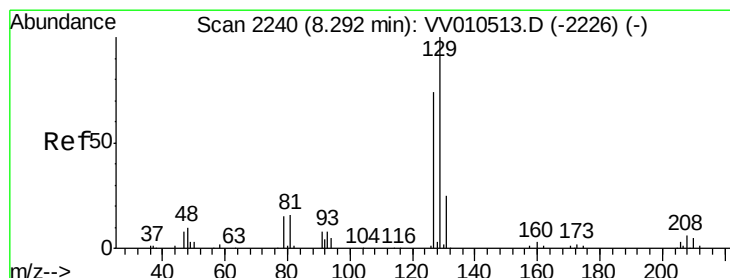
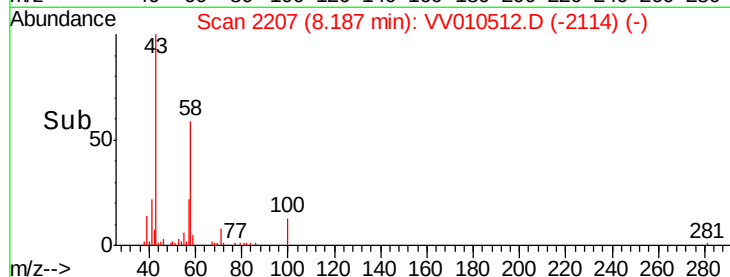
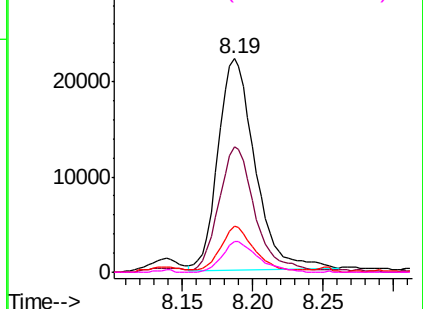
#48
2-Hexanone
Concen: 8.386 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD00135

Tgt Ion:	43	Resp:	40529
Ion	Ratio	Lower	Upper
43	100		
58	56.4	43.1	64.7
57	20.1	16.3	24.5
100	14.1	11.8	17.8

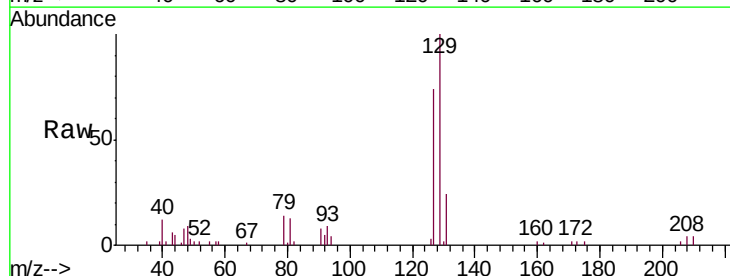


Abundance Ion 43.05 (42.75 to 43.75): VV010512.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV010512.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV010512.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV010512.D (-2114) (-)

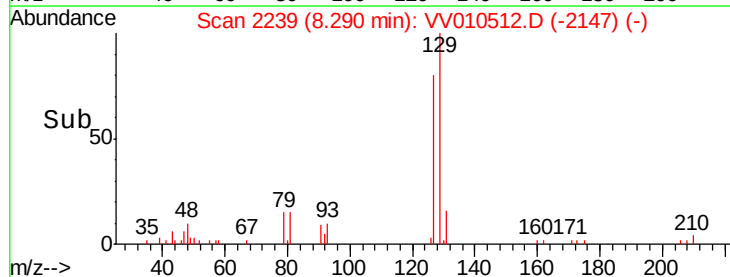
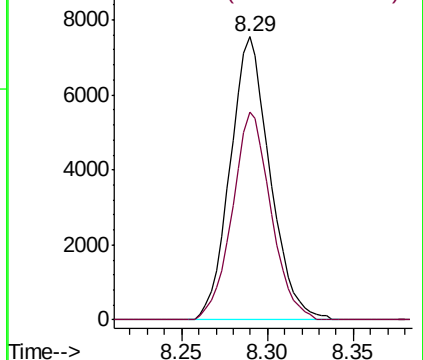


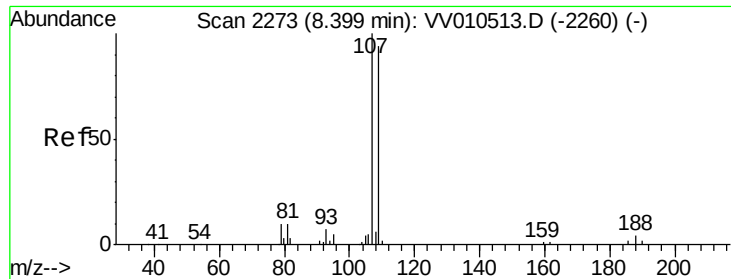
#49
Dibromochloromethane
Concen: 1.018 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV010512.D
Acq: 26 Apr 2019 19:32

Tgt Ion:	129	Resp:	12127
Ion	Ratio	Lower	Upper
129	100		
127	73.6	51.9	96.5



Abundance Ion 128.95 (128.65 to 129.65): VV010512.D (-2147) (-)
Ion 126.90 (126.60 to 127.60): VV010512.D (-2147) (-)





#50

1,2-Dibromoethane

Concen: 1.036 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

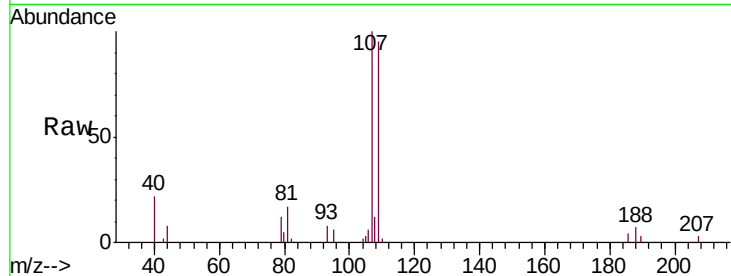
Tgt Ion:107 Resp: 9243

Ion Ratio Lower Upper

107 100

109 94.5 65.5 121.6

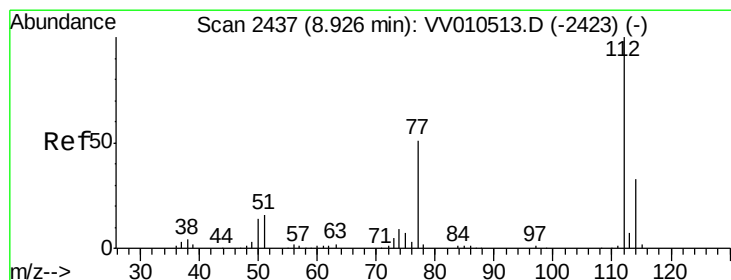
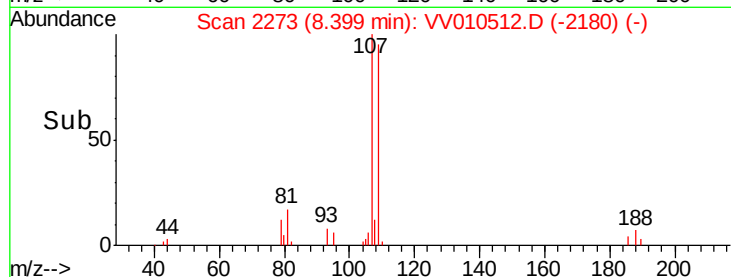
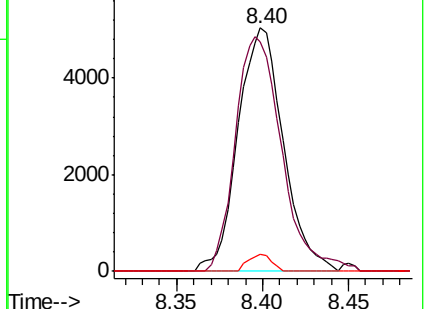
188 6.9 3.6 5.4#



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 1.035 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

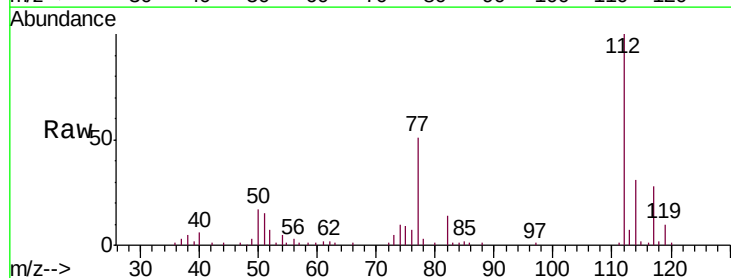
Tgt Ion:112 Resp: 40982

Ion Ratio Lower Upper

112 100

114 31.1 22.7 42.3

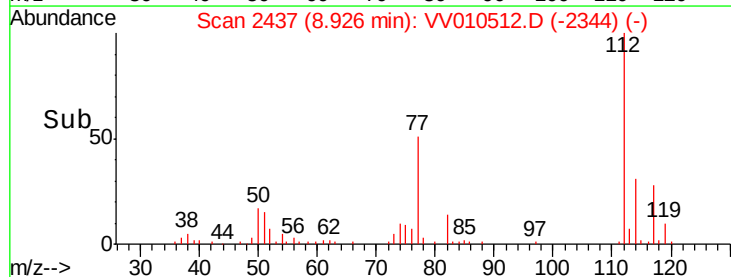
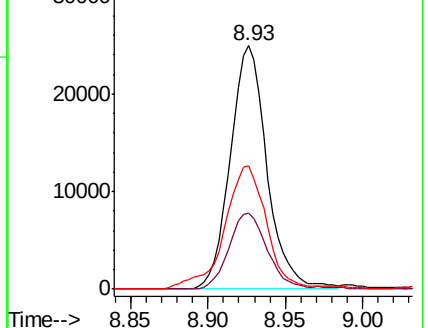
77 50.6 41.0 61.6

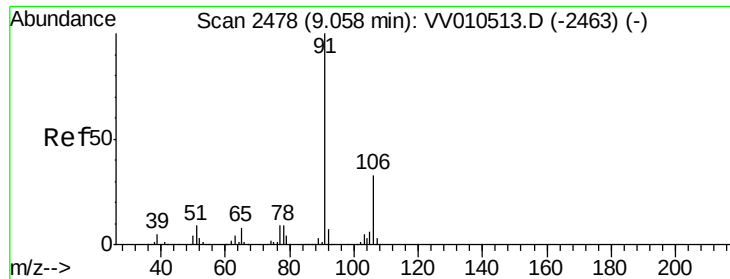


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.880 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

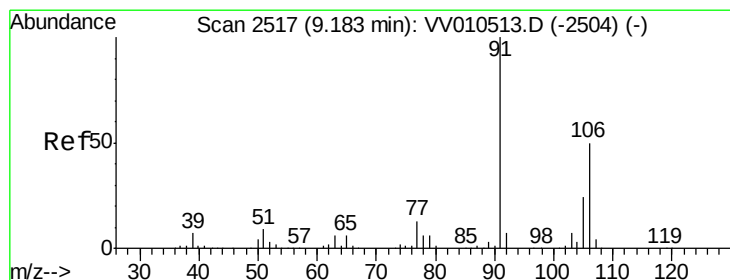
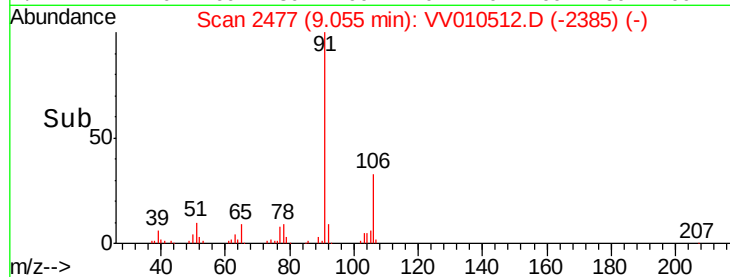
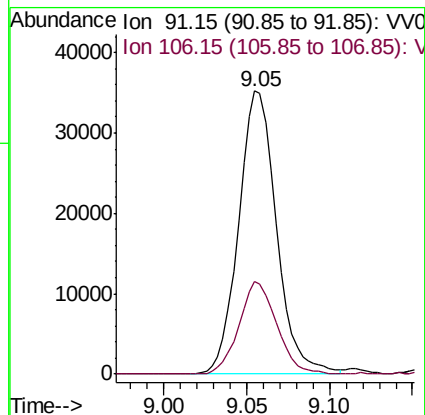
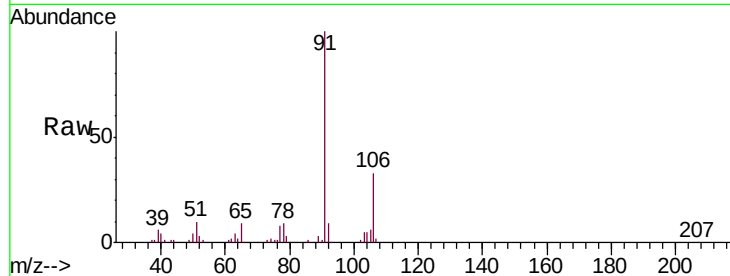
VSTD00135

Tgt Ion: 91 Resp: 55957

Ion Ratio Lower Upper

91 100

106 32.6 23.0 42.6



#53

m,p-xylene

Concen: 0.840 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV010512.D

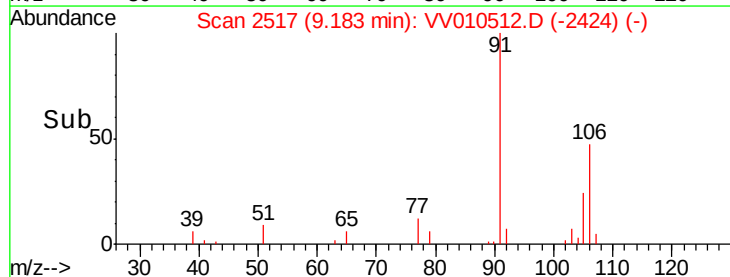
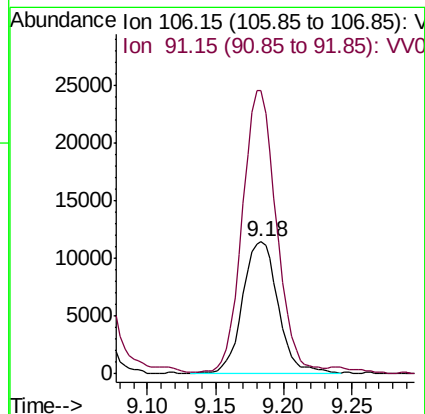
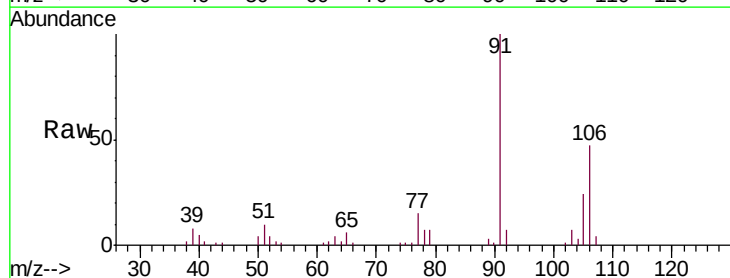
Acq: 26 Apr 2019 19:32

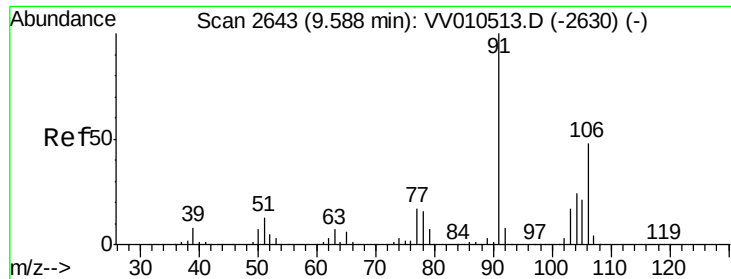
Tgt Ion: 106 Resp: 20879

Ion Ratio Lower Upper

106 100

91 214.1 140.5 260.9





#54

o-xylene

Concen: 0.839 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

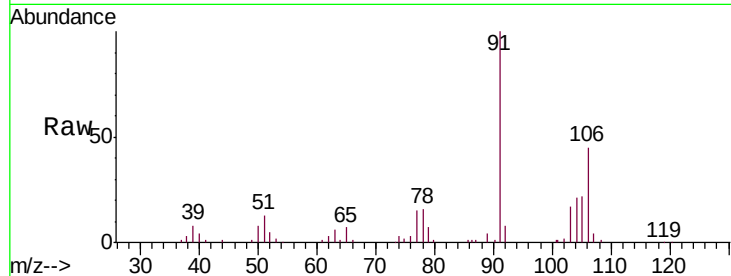
VSTD00135

Tgt Ion:106 Resp: 20669

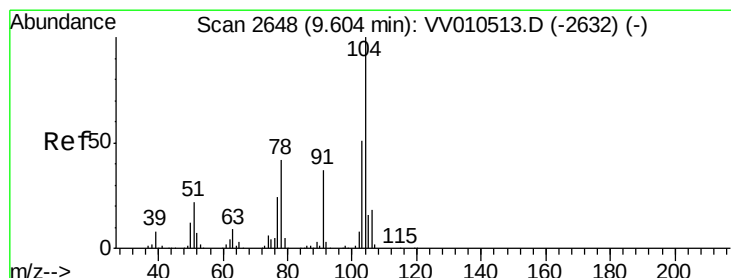
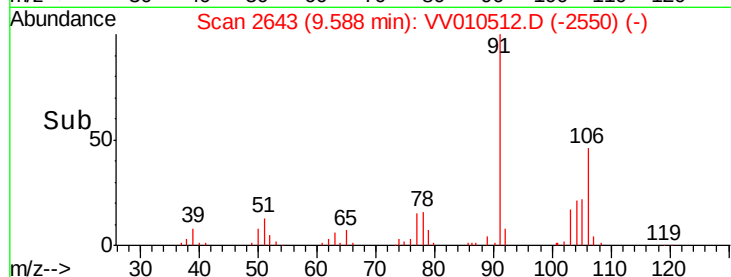
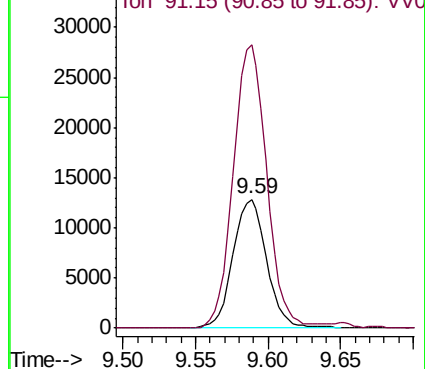
Ion Ratio Lower Upper

106 100

91 220.2 146.4 272.0



Abundance Ion 106.15 (105.85 to 106.85): V



#55

Styrene

Concen: 0.817 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV010512.D

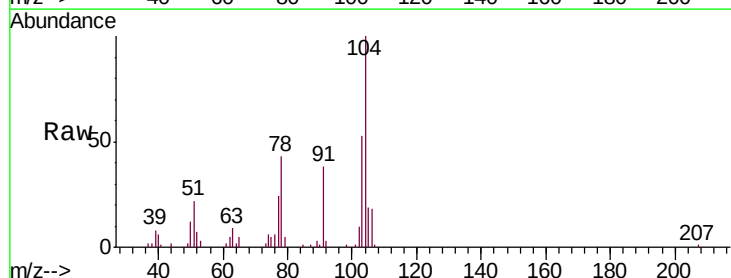
Acq: 26 Apr 2019 19:32

Tgt Ion:104 Resp: 32857

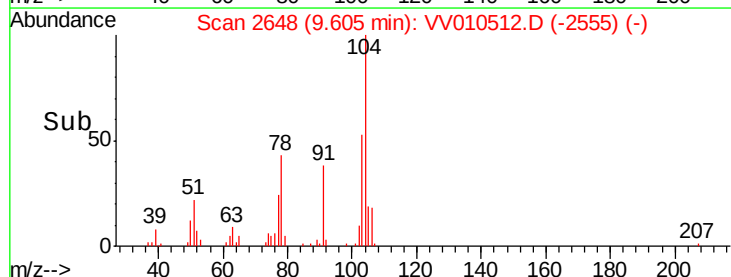
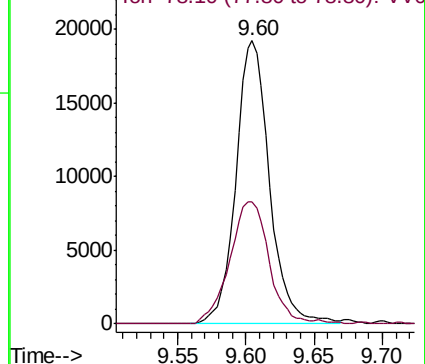
Ion Ratio Lower Upper

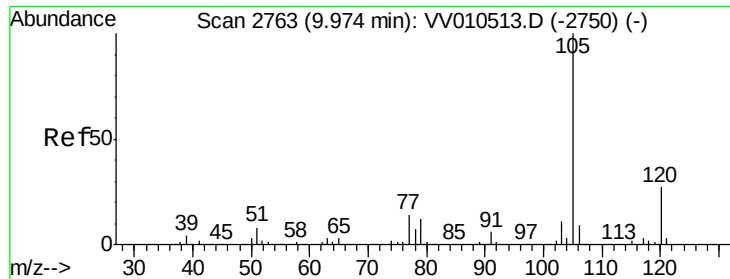
104 100

78 43.3 29.5 54.9



Abundance Ion 104.10 (103.80 to 104.80): V





#56

Isopropylbenzene

Concen: 0.825 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

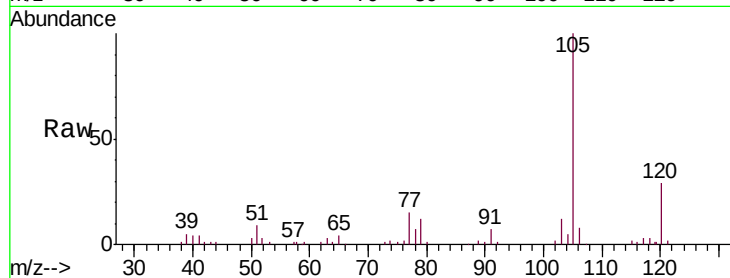
Tgt Ion: 105 Resp: 53644

Ion Ratio Lower Upper

105 100

120 29.7 21.9 32.9

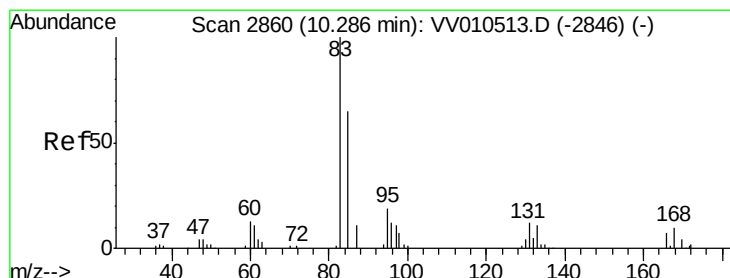
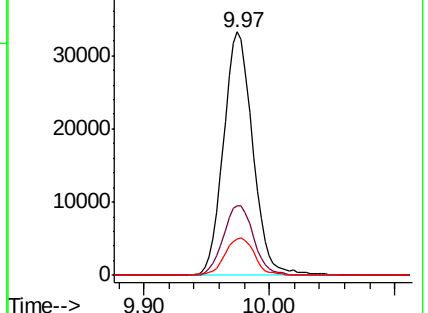
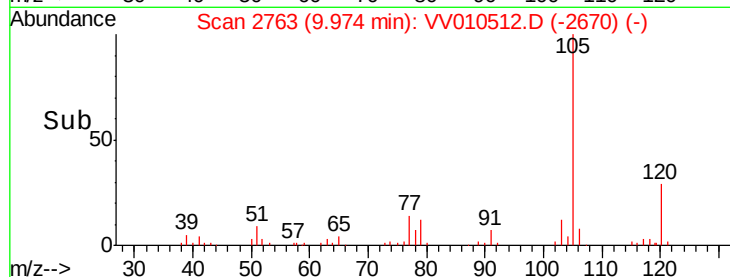
77 15.5 11.6 17.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 1.100 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

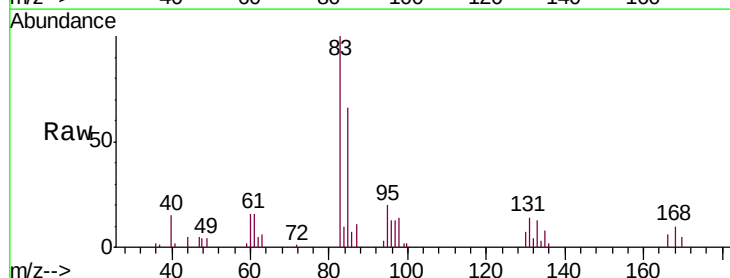
Tgt Ion: 83 Resp: 11681

Ion Ratio Lower Upper

83 100

85 66.2 45.6 84.6

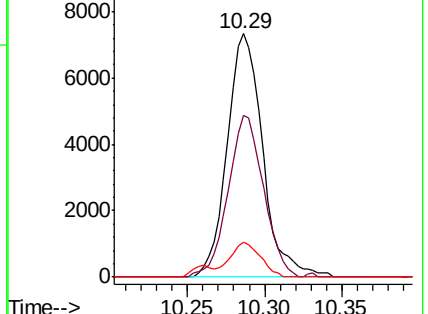
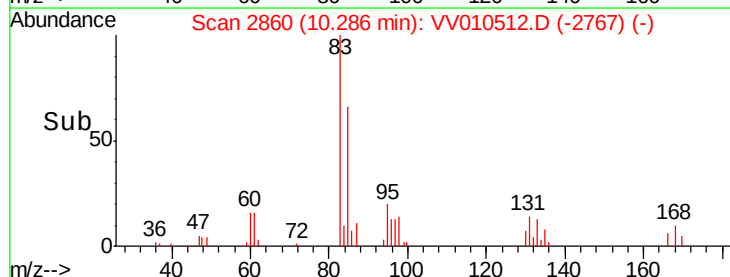
131 14.2 9.8 14.8

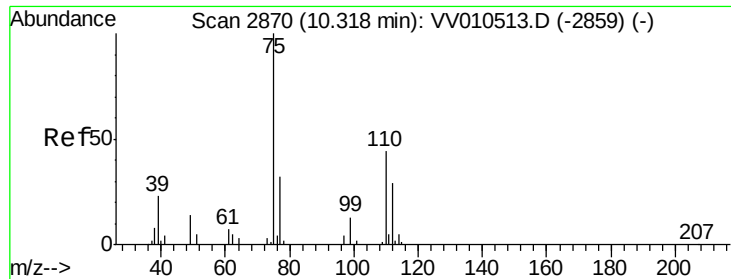


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 1.066 ug/L

RT: 10.32 min Scan# 2870

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

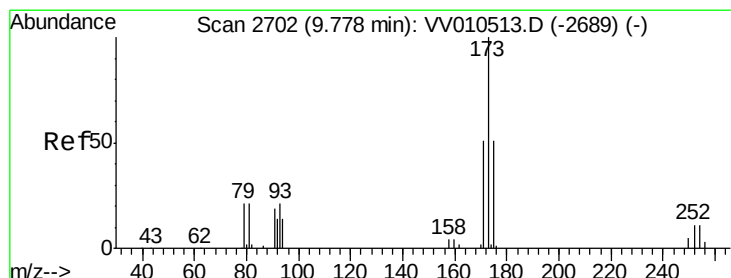
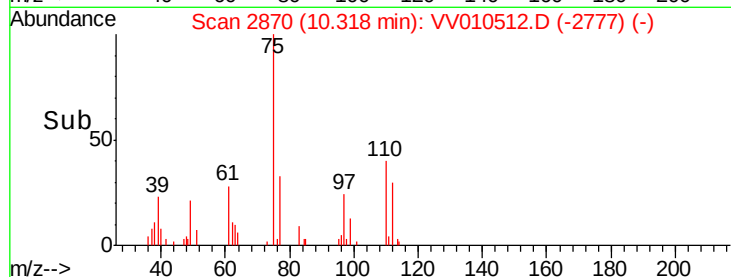
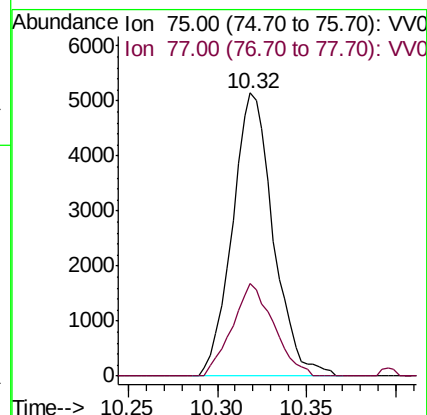
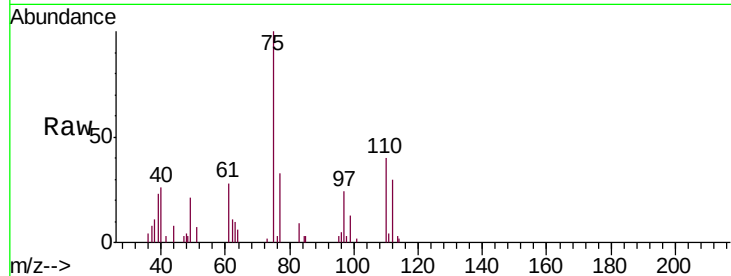
VSTD00135

Tgt Ion: 75 Resp: 8171

Ion Ratio Lower Upper

75 100

77 33.3 26.9 40.3



#61

Bromoform

Concen: 1.095 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

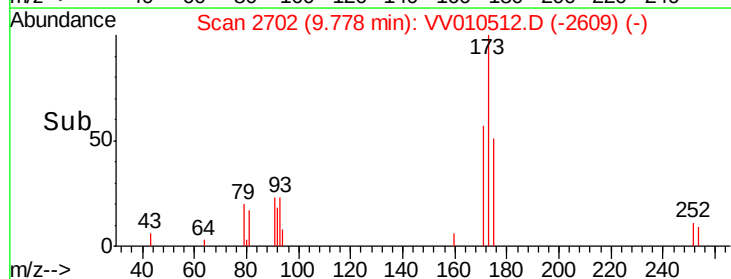
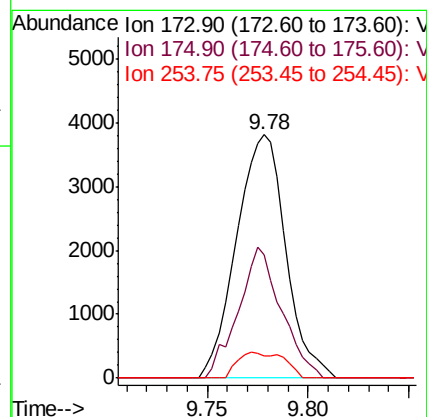
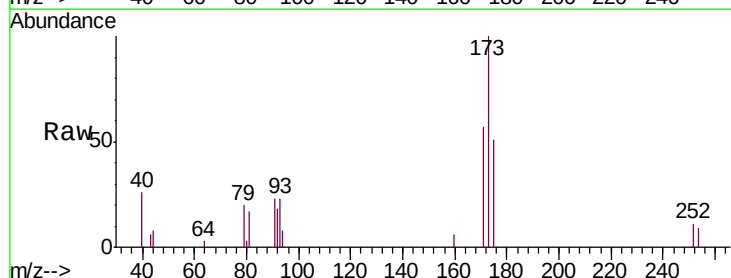
Tgt Ion: 173 Resp: 6519

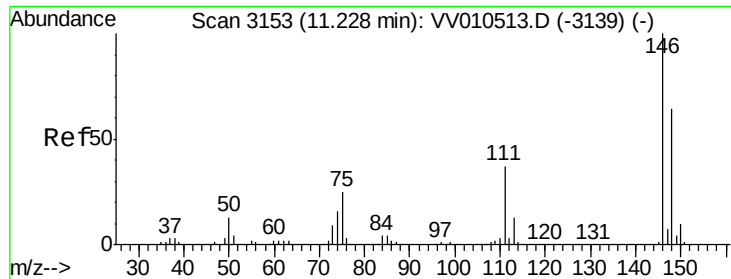
Ion Ratio Lower Upper

173 100

175 46.9 39.1 58.7

254 10.0 8.8 13.2





#62

1,3-Dichlorobenzene

Concen: 1.046 ug/L

RT: 11.23 min Scan# 3153

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

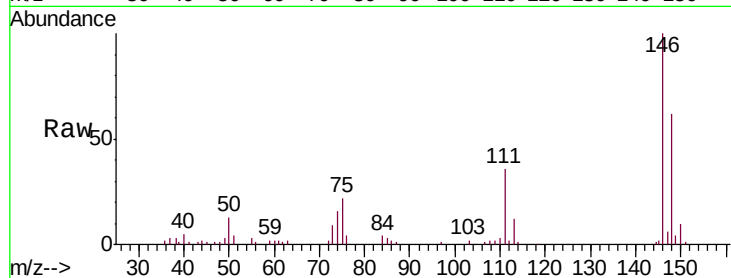
Tgt Ion:146 Resp: 31875

Ion Ratio Lower Upper

146 100

111 35.6 26.0 48.4

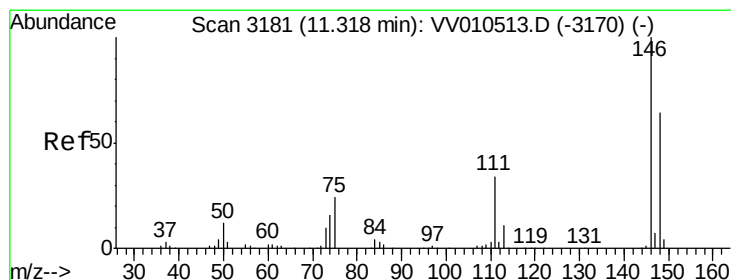
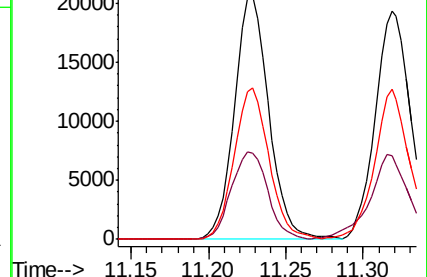
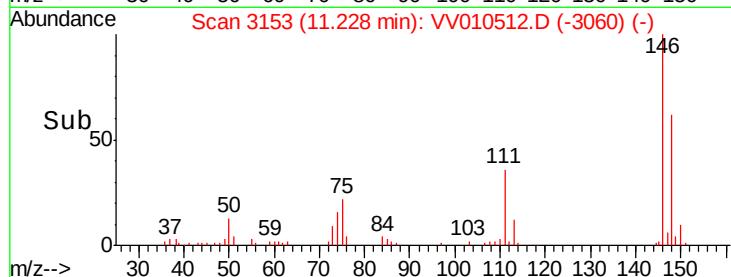
148 62.0 44.9 83.5



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



#63

1,4-Dichlorobenzene

Concen: 0.998 ug/L

RT: 11.32 min Scan# 3181

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

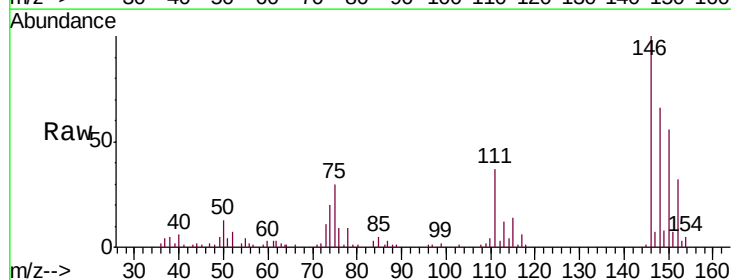
Tgt Ion:146 Resp: 30745

Ion Ratio Lower Upper

146 100

111 36.7 24.3 45.1

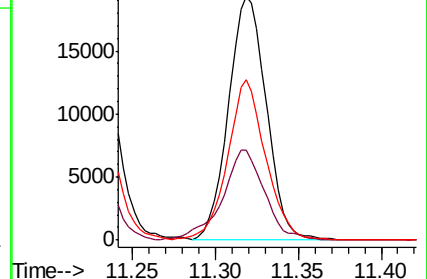
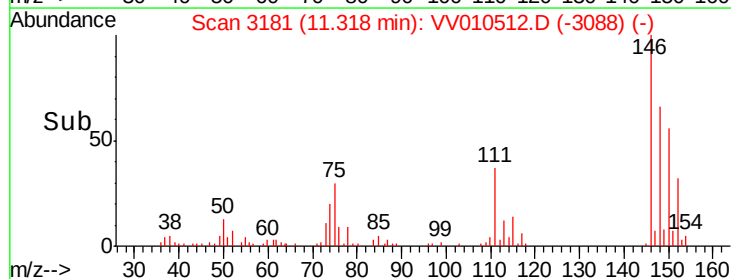
148 65.8 44.9 83.3

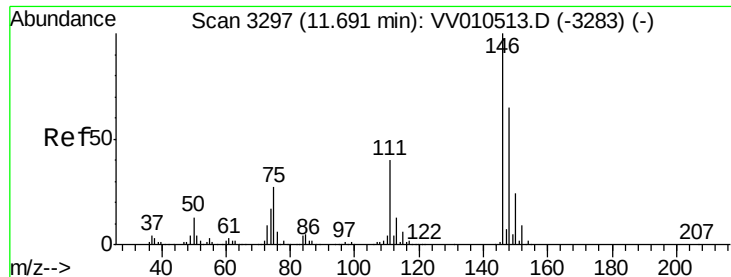


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 1.032 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

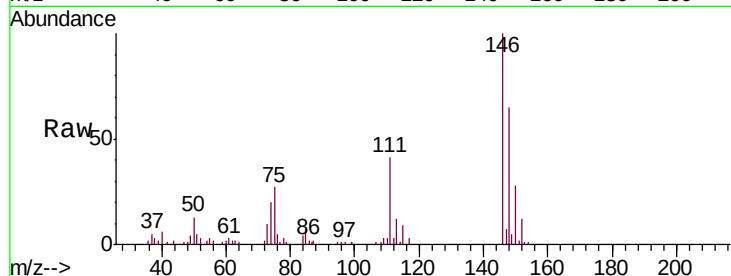
Tgt Ion: 146 Resp: 30140

Ion Ratio Lower Upper

146 100

111 41.0 31.8 47.8

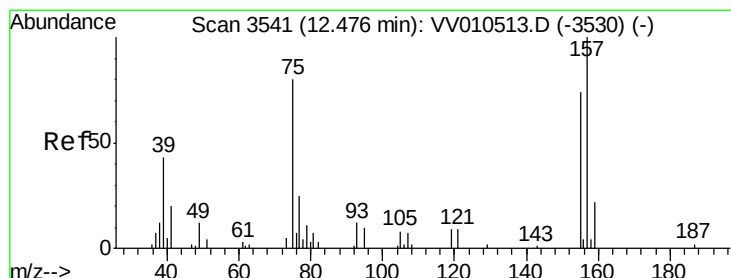
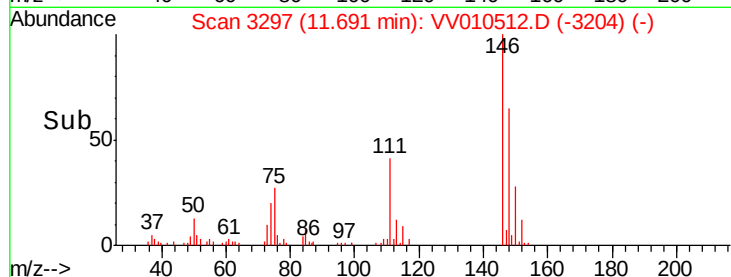
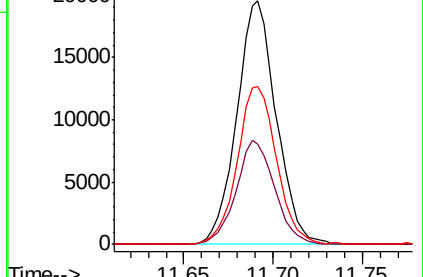
148 65.1 51.9 77.9



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: 1.066 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

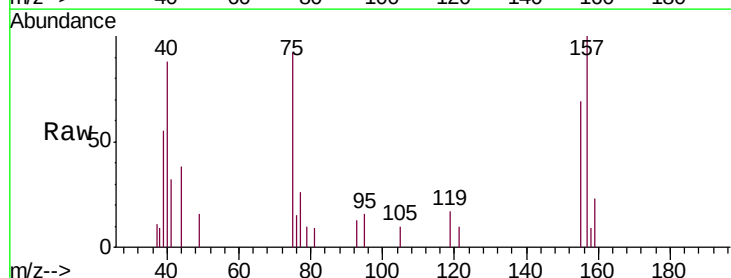
Tgt Ion: 75 Resp: 1733

Ion Ratio Lower Upper

75 100

155 74.9 73.4 110.0

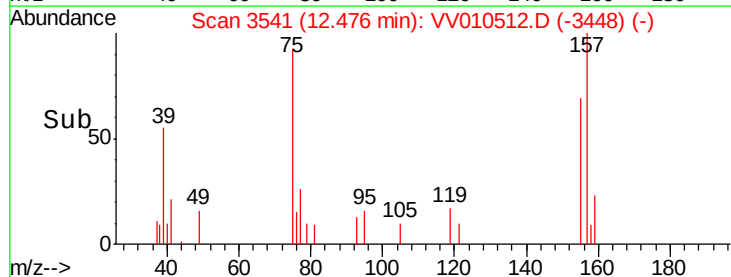
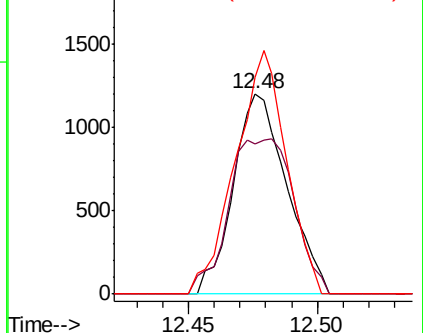
157 108.5 99.4 149.2

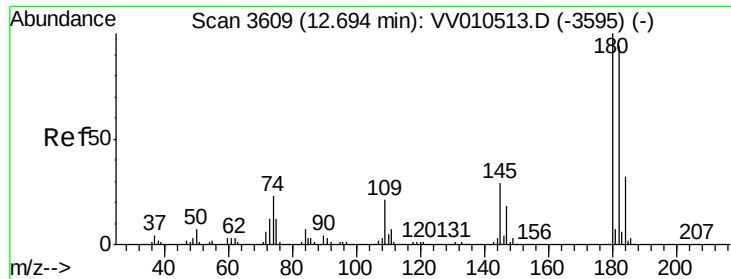


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

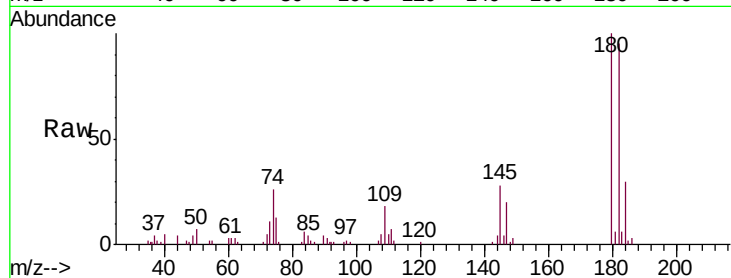




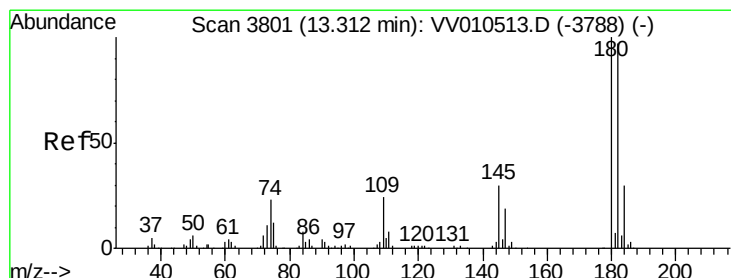
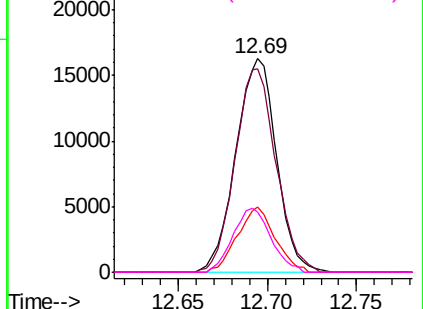
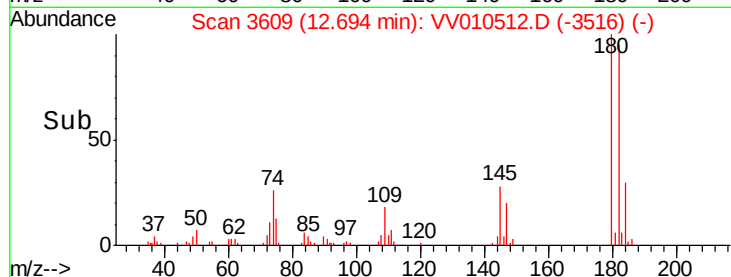
#67
 1,3,5-Trichlorobenzene
 Concen: 1.033 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00135

Tgt Ion:	180	Resp:	25916
Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.4	113.0
184	28.3	24.6	36.8
145	27.8	23.2	34.8

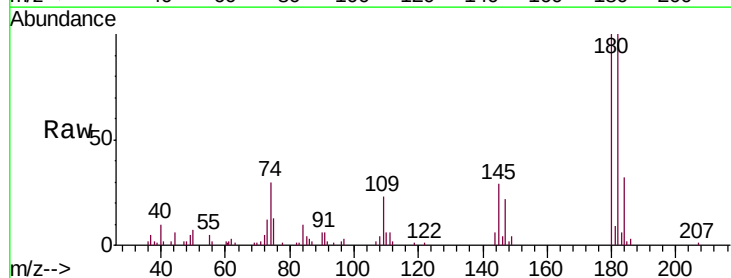


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

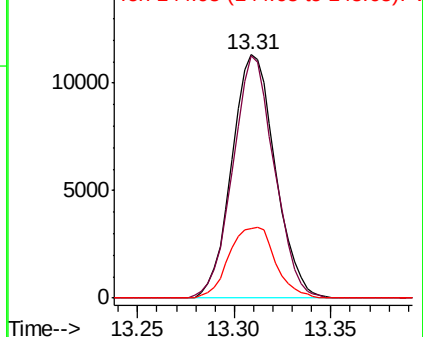
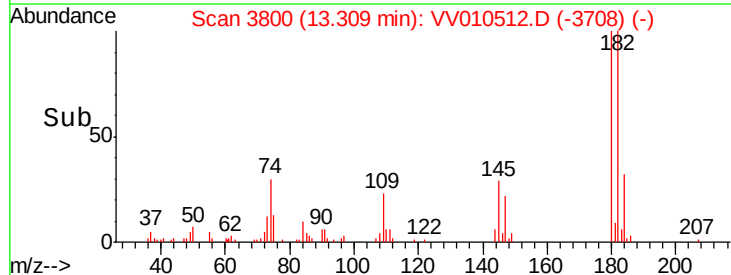


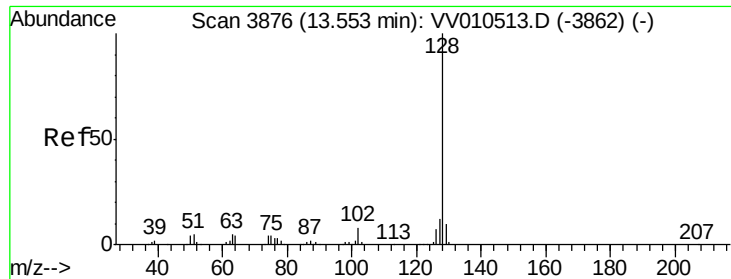
#68
 1,2,4-trichlorobenzene
 Concen: 0.925 ug/L
 RT: 13.31 min Scan# 3800
 Delta R.T. -0.00 min
 Lab File: VV010512.D
 Acq: 26 Apr 2019 19:32

Tgt Ion:	180	Resp:	17649
Ion	Ratio	Lower	Upper
180	100		
182	95.1	77.1	115.7
145	31.2	25.0	37.6



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





#69

Naphthalene

Concen: 0.816 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD00135

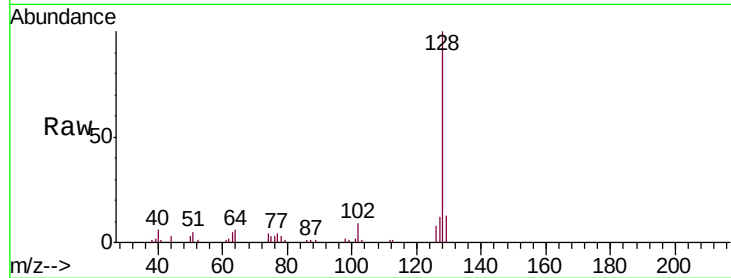
Tgt Ion:128 Resp: 23378

Ion Ratio Lower Upper

128 100

129 11.0 8.4 12.6

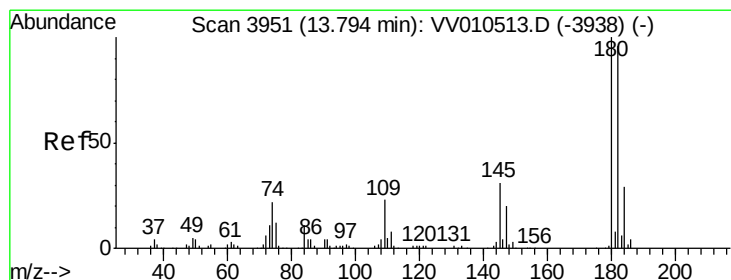
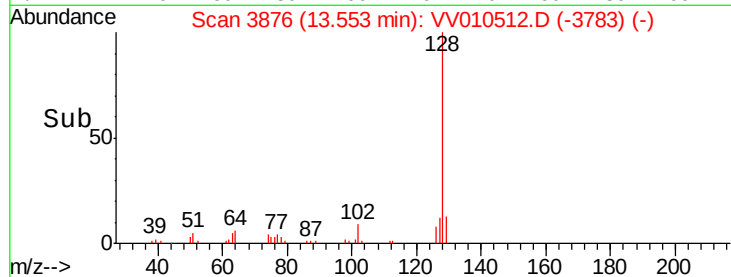
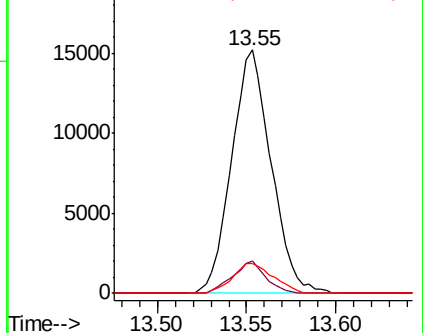
127 12.7 10.0 15.0



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: 1.009 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV010512.D

Acq: 26 Apr 2019 19:32

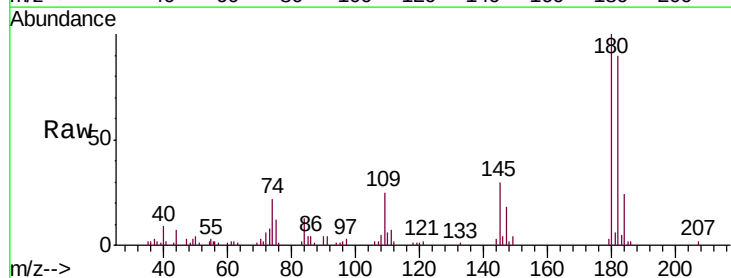
Tgt Ion:180 Resp: 18599

Ion Ratio Lower Upper

180 100

182 95.2 76.0 114.0

145 30.4 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

