

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV112219\
 Data File : VV013726.D
 Acq On : 22 Nov 2019 10:21
 Operator : SY/MD
 Sample : VSTD0.532
 Misc : 25.0mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Quant Time: Nov 22 11:48:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 11:44:22 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	548694	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	511991	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	270911	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	15691	0.45	ug/L	0.00
7) Chloroethane-d5	1.58	69	13428	0.44	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	25137	0.41	ug/L	0.00
20) 2-Butanone-d5	3.98	46	26174	3.33	ug/L	0.01
24) Chloroform-d	4.39	84	31500	0.42	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	14922	0.41	ug/L	0.00
32) Benzene-d6	5.09	84	59051	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	17660	0.42	ug/L	0.00
41) Toluene-d8	7.35	98	54628	0.41	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	6739	0.41	ug/L	0.00
46) 2-Hexanone-d5	8.14	63	19330	3.12	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.26	84	12255	0.40	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.67	152	23265	0.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	15744	0.328 ug/L	99
3) Chloromethane	1.25	50	14481	0.317 ug/L	97
5) Vinyl chloride	1.32	62	14163	0.322 ug/L	98
6) Bromomethane	1.53	94	7037	0.268 ug/L	91
8) Chloroethane	1.60	64	8875	0.357 ug/L	99
9) Trichlorofluoromethane	1.77	101	21489	0.359 ug/L	93
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	12709	0.381 ug/L	96
12) 1,1-Dichloroethene	2.14	96	11173	0.351 ug/L	92
13) Acetone	2.23	43	23473	4.738 ug/L	77
14) Carbon disulfide	2.31	76	27122	0.262 ug/L #	95
15) Methyl Acetate	2.48	43	3593	0.261 ug/L	97
16) Methylene chloride	2.53	84	20082	0.451 ug/L	95
17) Methyl tert-butyl Ether	2.80	73	29006	0.351 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	12517	0.322 ug/L	94
19) 1,1-Dichloroethane	3.22	63	24115	0.341 ug/L	98
21) 2-Butanone	4.05	43	8646	1.053 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	14007	0.340 ug/L	99
23) Bromochloromethane	4.29	128	6370	0.336 ug/L #	79
25) Chloroform	4.42	83	26430	0.277 ug/L	95
27) 1,2-Dichloroethane	5.18	62	14398	0.339 ug/L	95
29) 1,1,1-Trichloroethane	4.65	97	22070	0.362 ug/L	99
30) Cyclohexane	4.71	56	16905	0.289 ug/L	99
31) Carbon tetrachloride	4.87	117	18876	0.346 ug/L	98
33) Benzene	5.14	78	51260	0.340 ug/L	100
34) Trichloroethene	5.96	95	14764	0.363 ug/L	95
35) Methylcyclohexane	6.17	83	16908	0.279 ug/L	93
37) 1,2-Dichloropropane	6.22	63	13396	0.370 ug/L	98
38) Bromodichloromethane	6.55	83	17736	0.349 ug/L	95
39) cis-1,3-Dichloropropene	7.07	75	17690	0.339 ug/L	97
40) 4-Methyl-2-pentanone	7.28	43	78224	3.674 ug/L #	91

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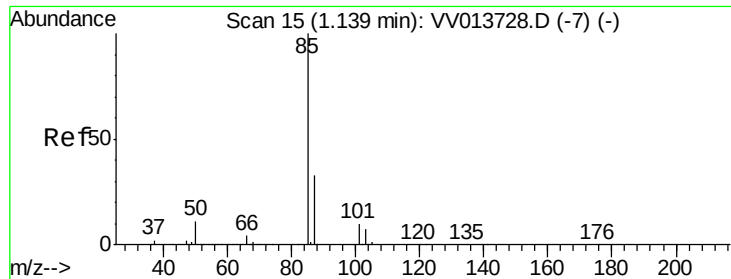
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Nov 22 11:48:11 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.43	91	52120	0.324	ug/L	97
44) trans-1,3-Dichloropropene	7.69	75	13847	0.336	ug/L	95
45) 1,1,2-Trichloroethane	7.88	97	8929	0.339	ug/L	95
47) Tetrachloroethene	8.01	164	12010	0.322	ug/L	98
48) 2-Hexanone	8.19	43	56607	3.727	ug/L	96
49) Dibromochloromethane	8.29	129	11690	0.348	ug/L	90
50) 1,2-Dibromoethane	8.40	107	8369	0.333	ug/L #	90
51) Chlorobenzene	8.92	112	40342	0.374	ug/L	99
52) Ethylbenzene	9.05	91	54183	0.314	ug/L	98
53) m,p-xylene	9.18	106	19875	0.307	ug/L	97
54) o-xylene	9.58	106	19108	0.304	ug/L	97
55) Styrene	9.60	104	30959	0.291	ug/L	99
56) Isopropylbenzene	9.97	105	50457	0.301	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	10207	0.351	ug/L	95
59) 1,2,3-Trichloropropane	10.32	75	8448	0.371	ug/L	93
61) Bromoform	9.77	173	6740	0.338	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	31701	0.352	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	34831	0.382	ug/L	97
65) 1,2-Dichlorobenzene	11.68	146	31867	0.381	ug/L	95
66) 1,2-Dibromo-3-chloropropan	12.47	75	2132	0.427	ug/L	90
67) 1,3,5-Trichlorobenzene	12.69	180	28103	0.374	ug/L	96
68) 1,2,4-trichlorobenzene	13.31	180	23116	0.374	ug/L	97
69) Naphthalene	13.55	128	34686	0.412	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	21429	0.383	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 0.328 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

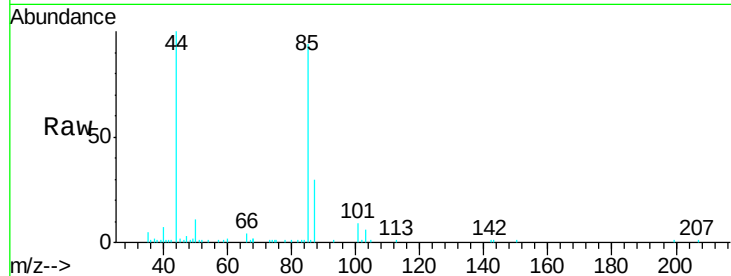
VSTD0.532

Tgt Ion: 85 Resp: 15744

Ion Ratio Lower Upper

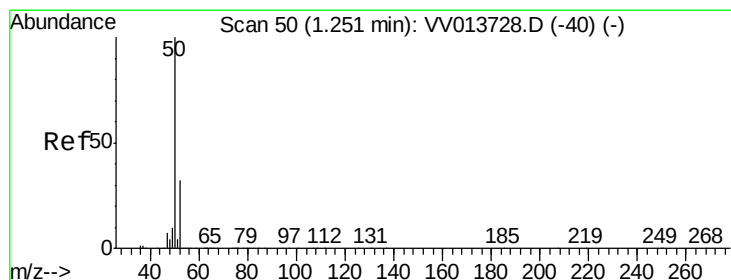
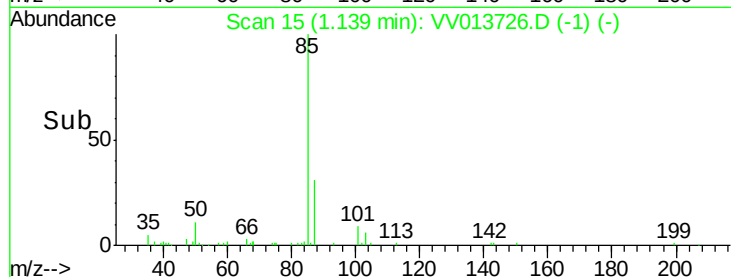
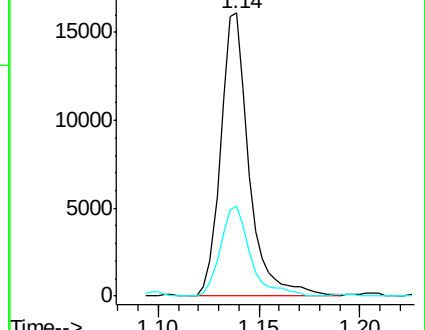
85 100

87 33.6 27.4 41.2



Abundance Ion 85.00 (84.70 to 85.70): VV013728.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013728.D (-7) (-)



#3

Chloromethane

Concen: 0.317 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013726.D

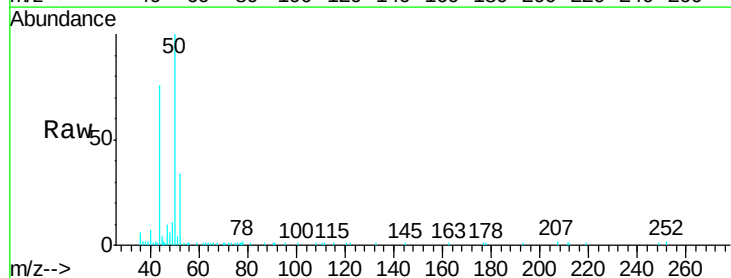
Acq: 22 Nov 2019 10:21

Tgt Ion: 50 Resp: 14481

Ion Ratio Lower Upper

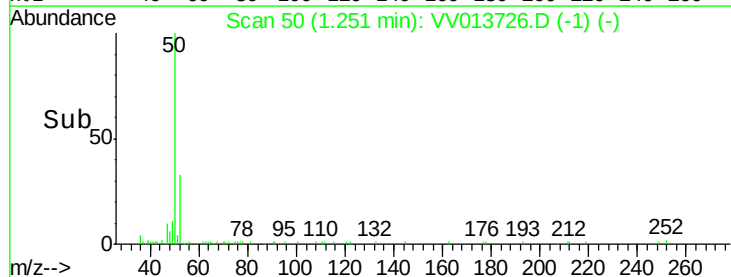
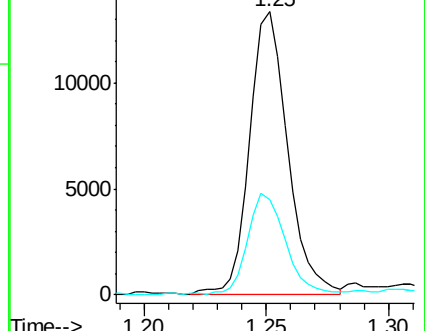
50 100

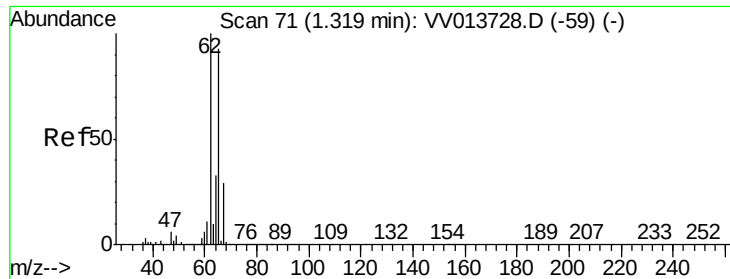
52 33.8 22.5 41.7



Abundance Ion 50.05 (49.75 to 50.75): VV013728.D (-40) (-)

Ion 52.05 (51.75 to 52.75): VV013728.D (-40) (-)





#5

Vinyl chloride

Concen: 0.322 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

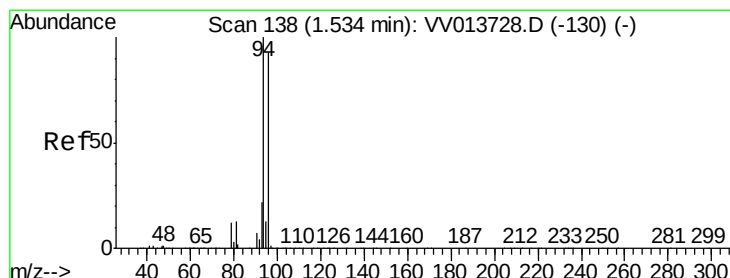
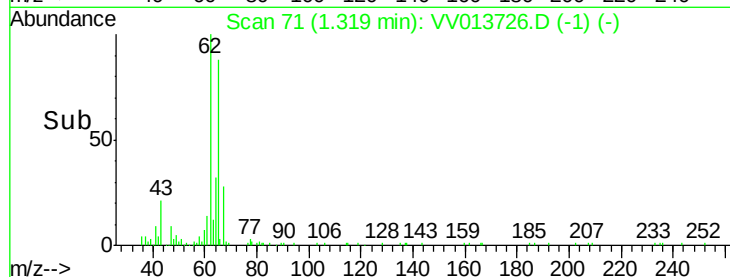
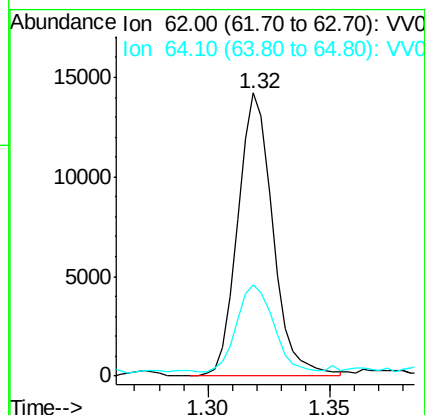
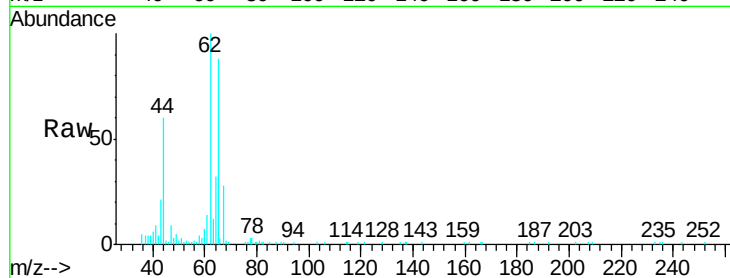
VSTD0.532

Tgt Ion: 62 Resp: 14163

Ion Ratio Lower Upper

62 100

64 32.2 23.3 43.3



#6

Bromomethane

Concen: 0.268 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013726.D

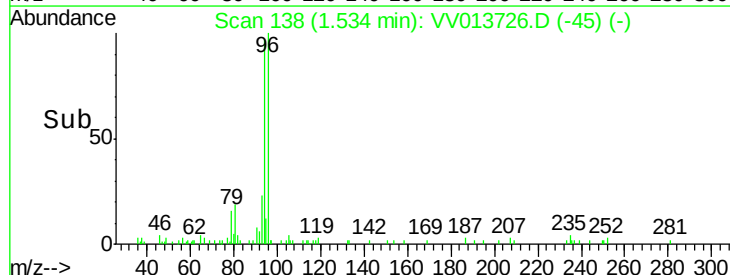
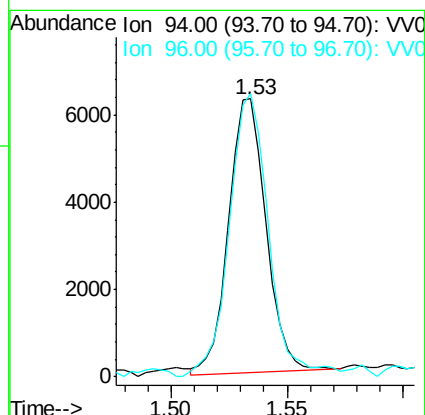
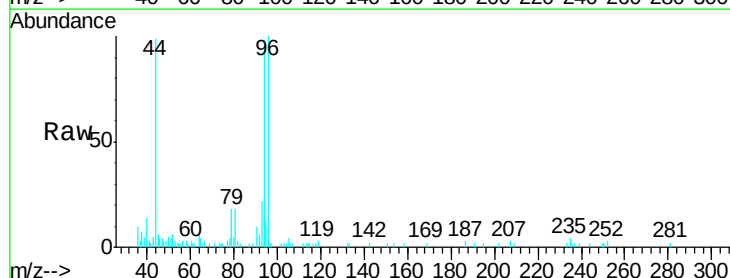
Acq: 22 Nov 2019 10:21

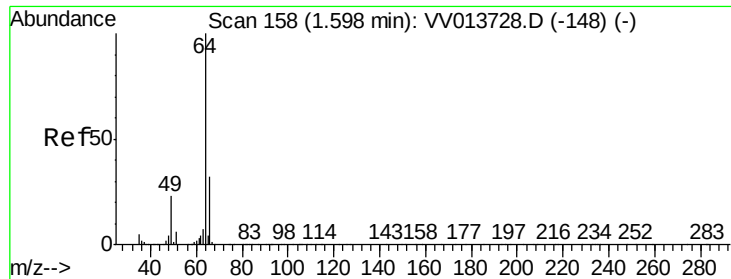
Tgt Ion: 94 Resp: 7037

Ion Ratio Lower Upper

94 100

96 101.9 65.2 121.0

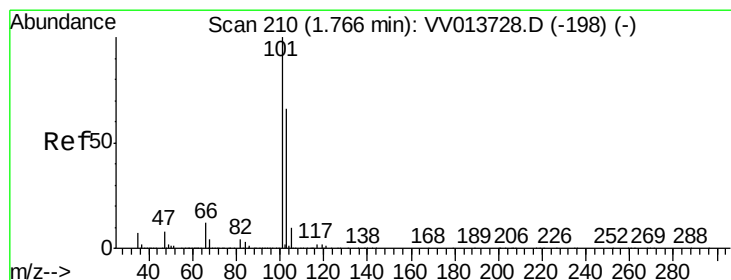
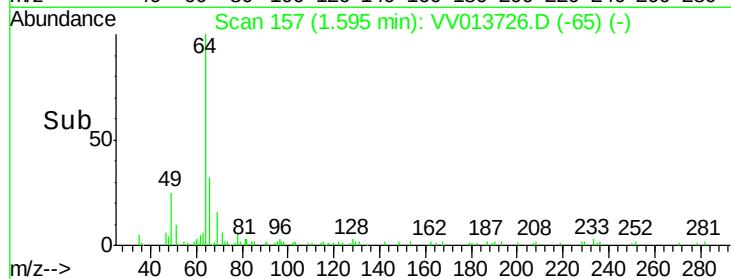
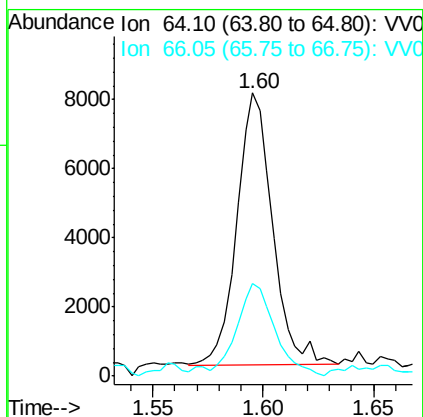
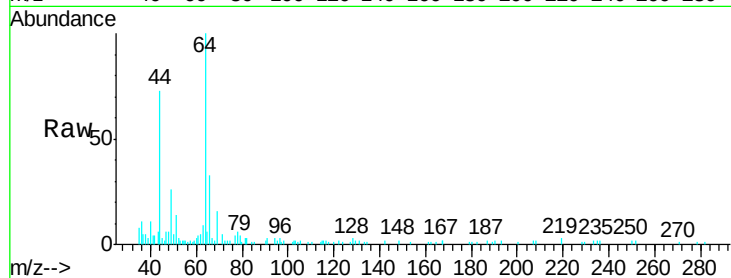




#8
Chloroethane
Concen: 0.357 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

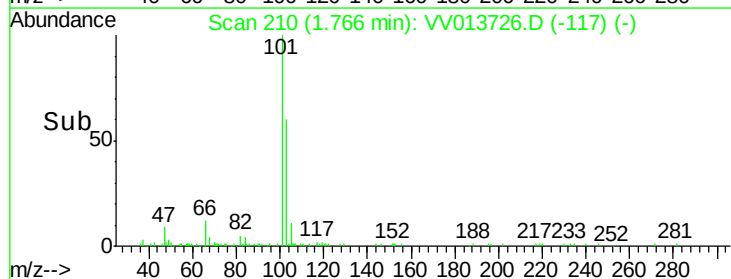
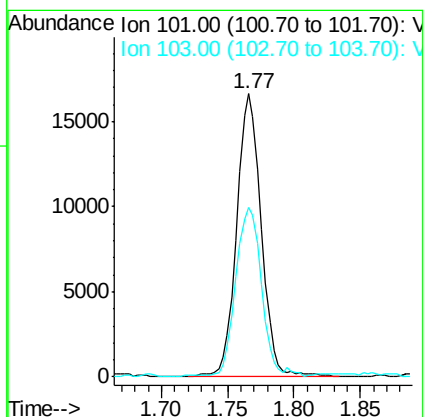
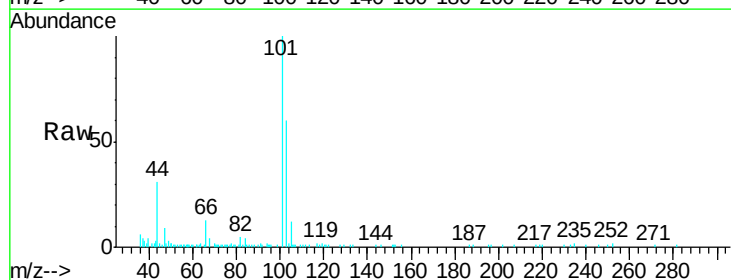
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

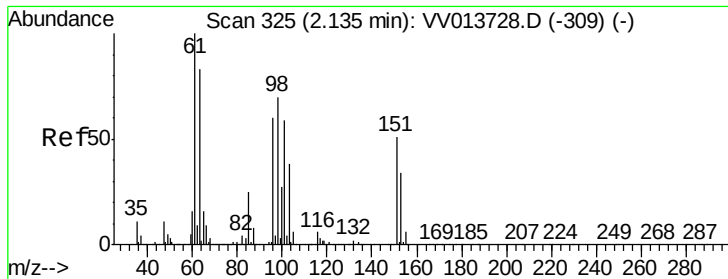
Tgt Ion: 64 Resp: 8875
Ion Ratio Lower Upper
64 100
66 32.6 22.6 42.0



#9
Trichlorofluoromethane
Concen: 0.359 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

Tgt Ion: 101 Resp: 21489
Ion Ratio Lower Upper
101 100
103 60.2 52.9 79.3





#10

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

Concen: 0.381 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

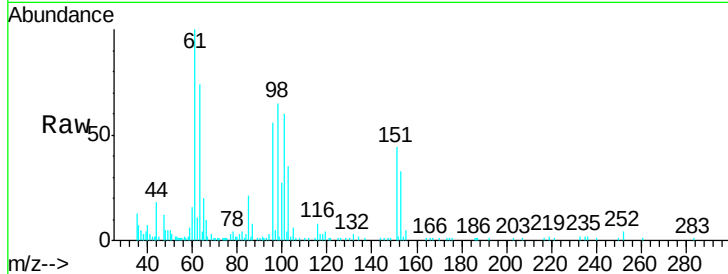
Tgt Ion: 101 Resp: 12709

Ion Ratio Lower Upper

101 100

85 40.4 33.4 50.0

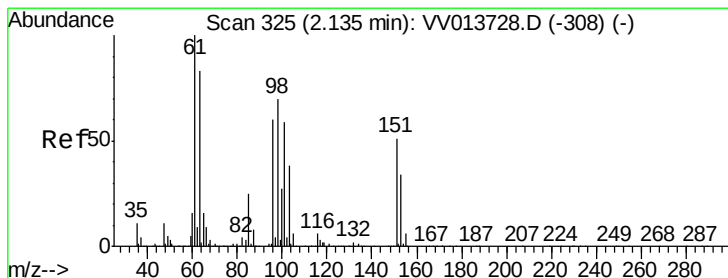
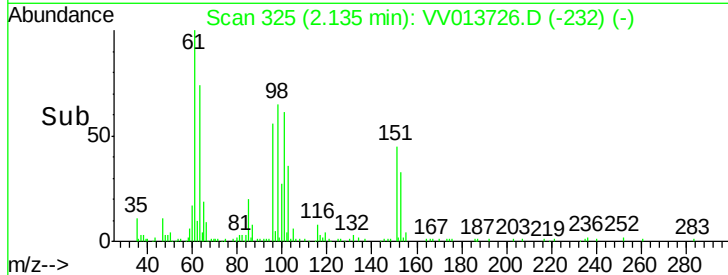
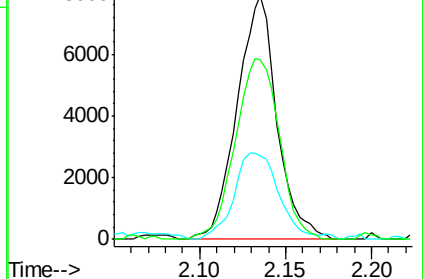
151 81.7 69.4 104.0



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: 0.351 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

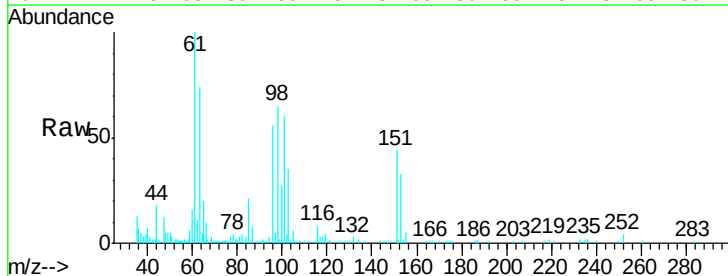
Tgt Ion: 96 Resp: 11173

Ion Ratio Lower Upper

96 100

61 178.9 116.3 215.9

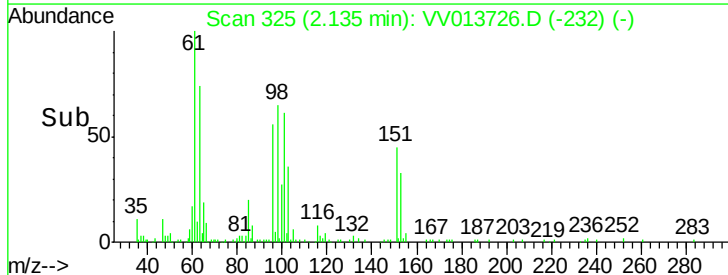
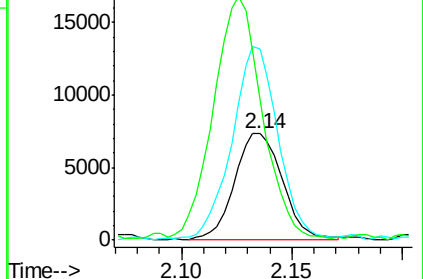
63 131.6 96.7 179.7

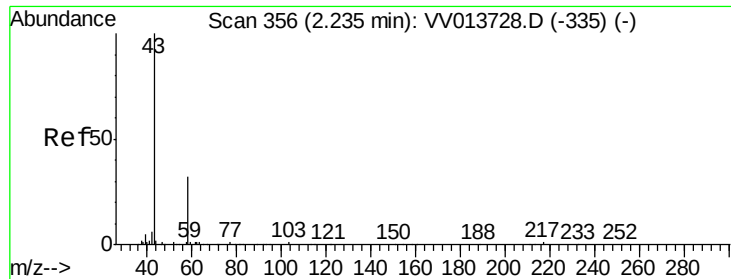


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 4.738 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.01 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

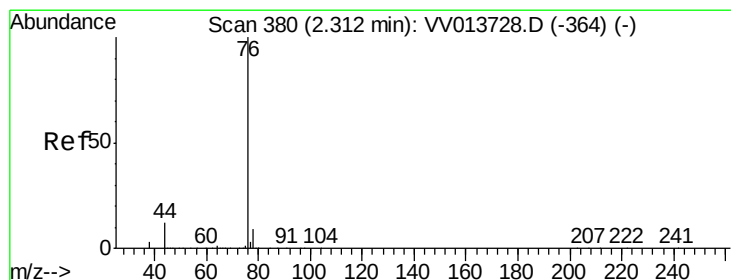
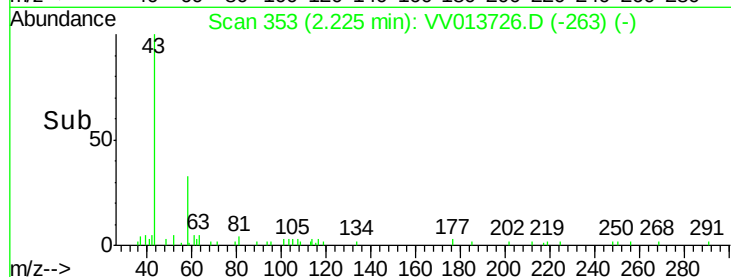
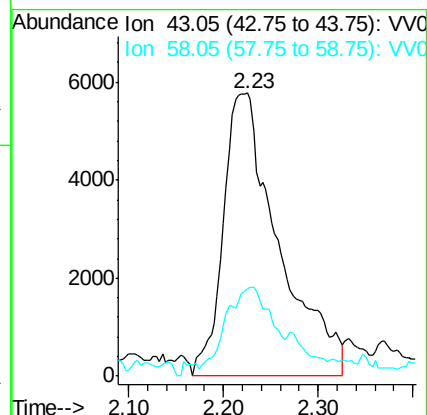
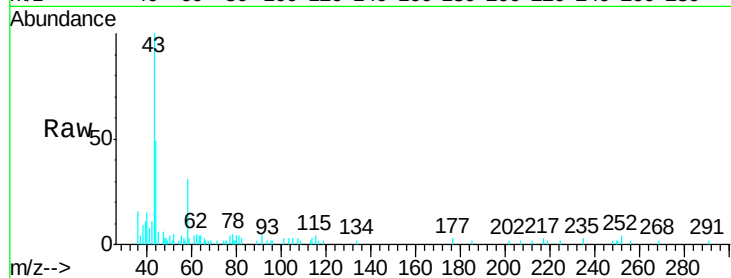
VSTD0.532

Tgt Ion: 43 Resp: 23473

Ion Ratio Lower Upper

43 100

58 23.0 0.0 27.2



#14

Carbon disulfide

Concen: 0.262 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013726.D

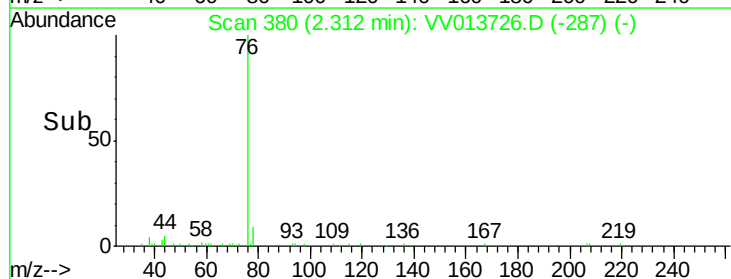
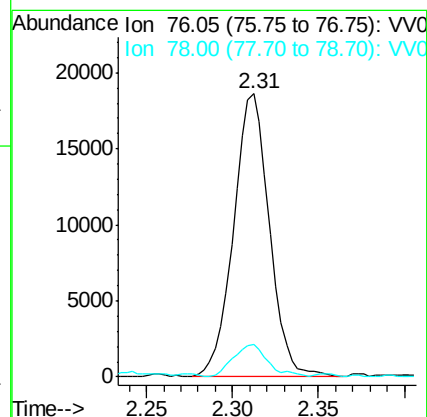
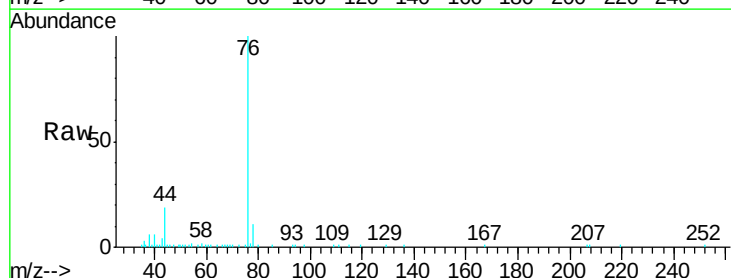
Acq: 22 Nov 2019 10:21

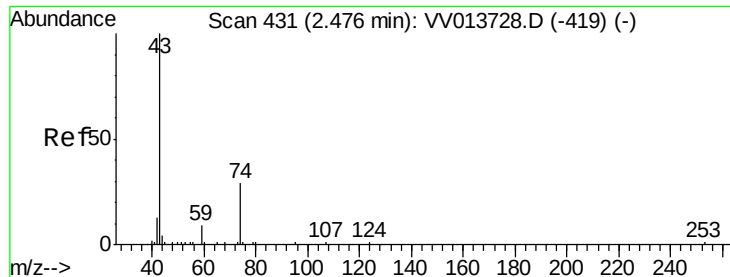
Tgt Ion: 76 Resp: 27122

Ion Ratio Lower Upper

76 100

78 11.4 7.5 11.3#

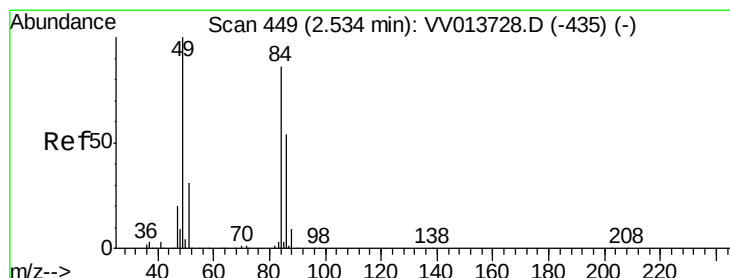
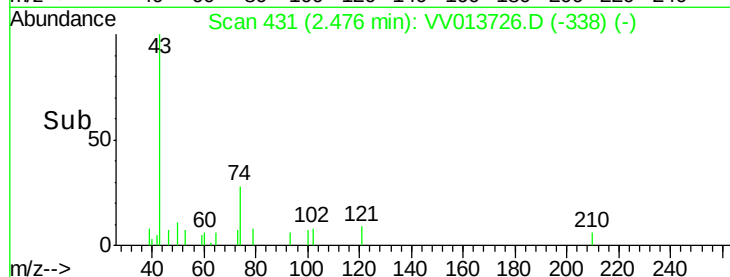
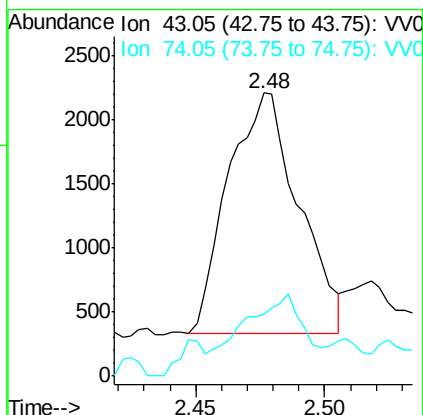
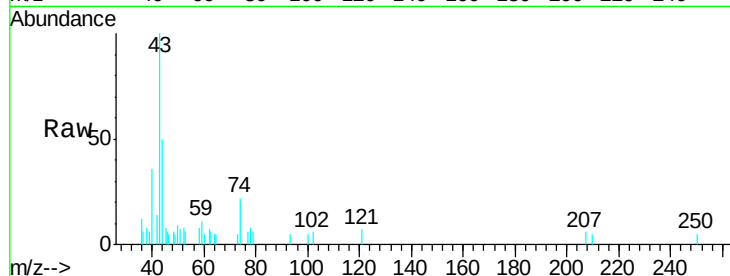




#15
Methyl Acetate
Concen: 0.261 ug/L
RT: 2.48 min Scan# 431
Delta R.T. 0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

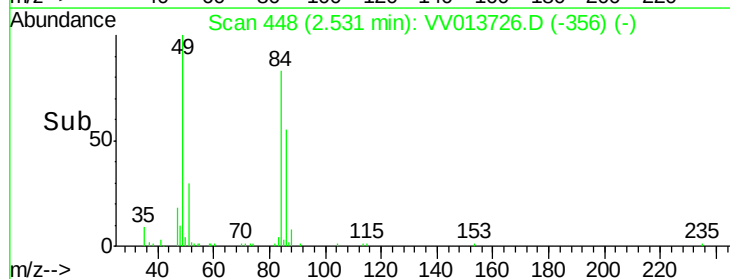
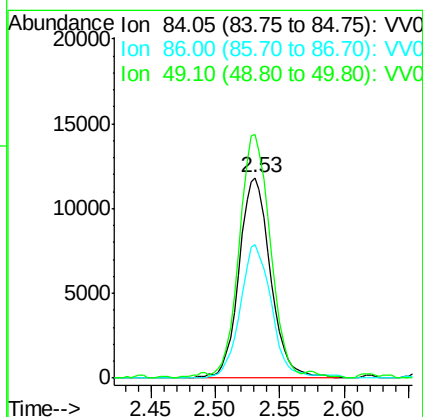
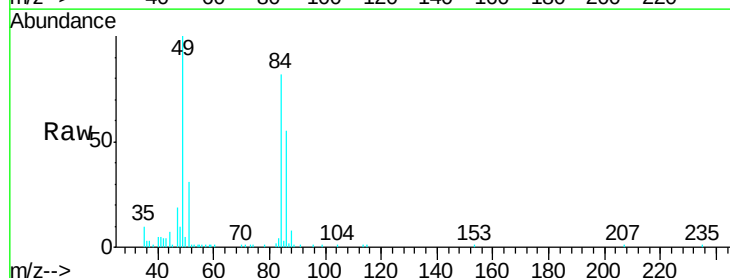
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

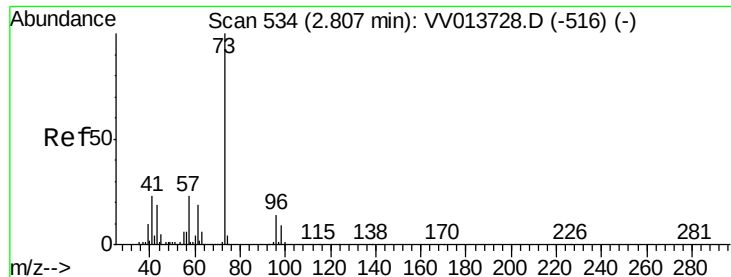
Tgt Ion: 43 Resp: 3593
Ion Ratio Lower Upper
43 100
74 24.1 20.5 30.7



#16
Methylene chloride
Concen: 0.451 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

Tgt Ion: 84 Resp: 20082
Ion Ratio Lower Upper
84 100
86 66.7 44.0 81.6
49 121.5 81.5 151.5





#17

Methyl tert-butyl Ether

Concen: 0.351 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.01 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

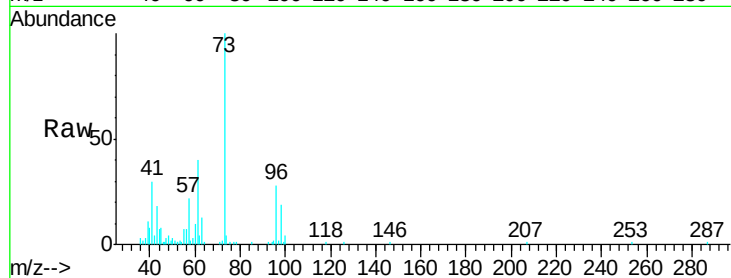
Tgt Ion: 73 Resp: 29006

Ion Ratio Lower Upper

73 100

43 19.1 15.5 23.3

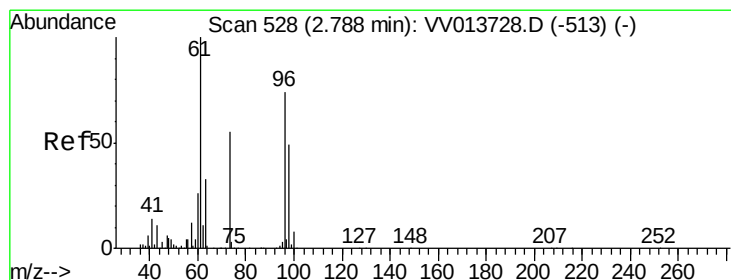
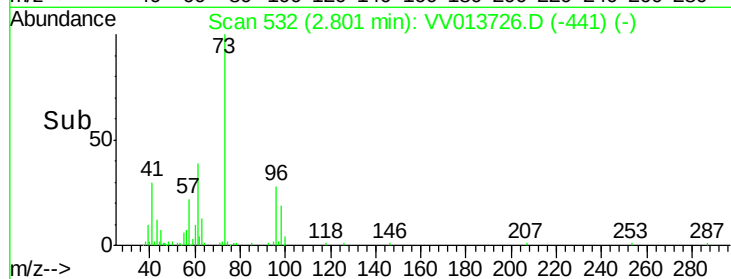
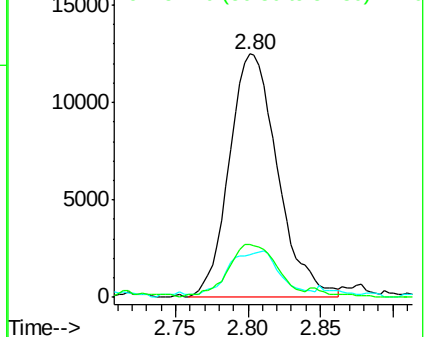
57 22.2 17.5 26.3



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: 0.322 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

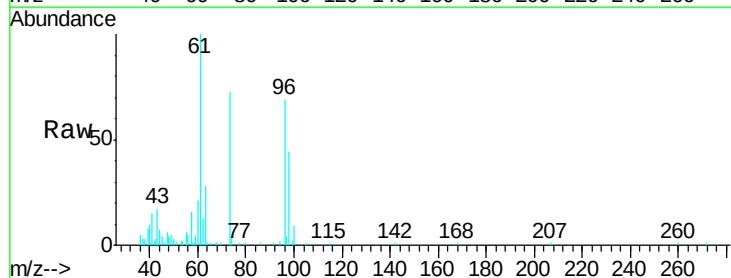
Tgt Ion: 96 Resp: 12517

Ion Ratio Lower Upper

96 100

61 145.1 95.1 176.7

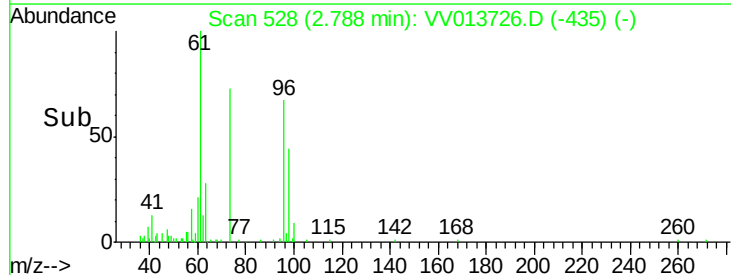
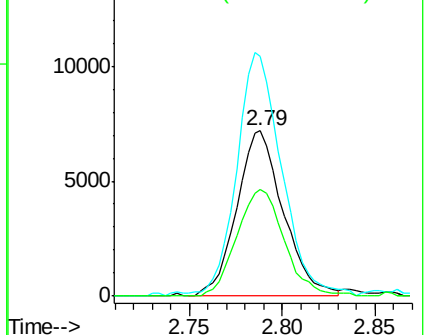
98 64.4 46.5 86.3

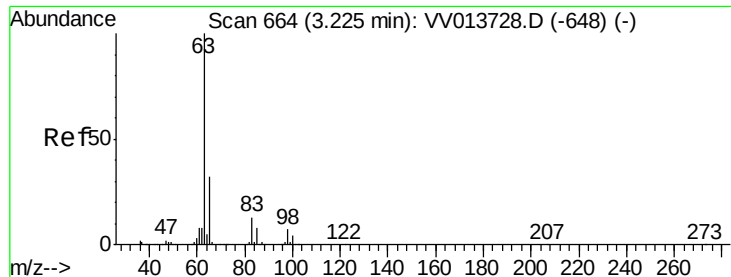


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

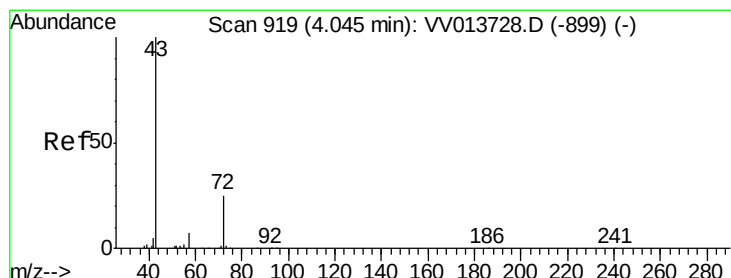
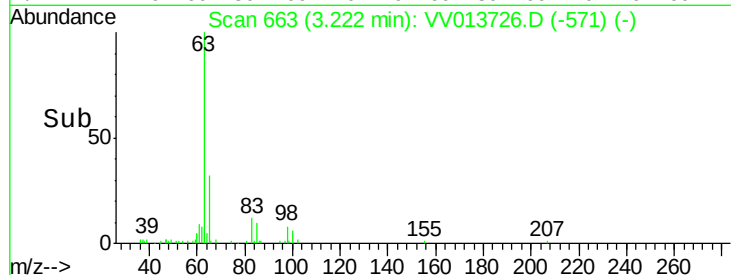
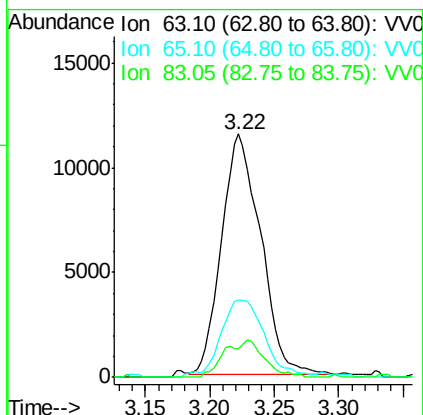
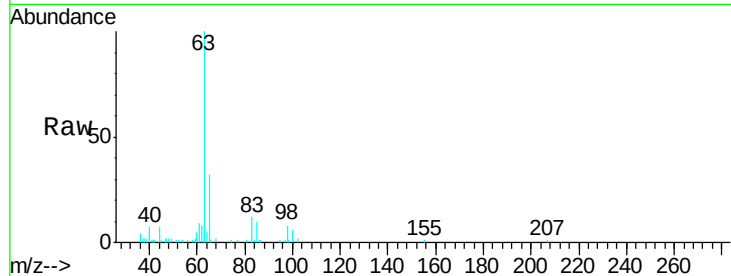




#19
 1,1-Dichloroethane
 Concen: 0.341 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

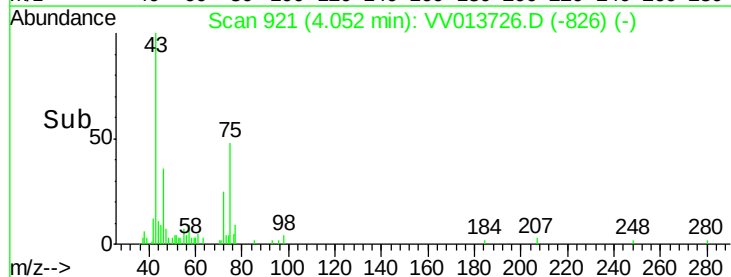
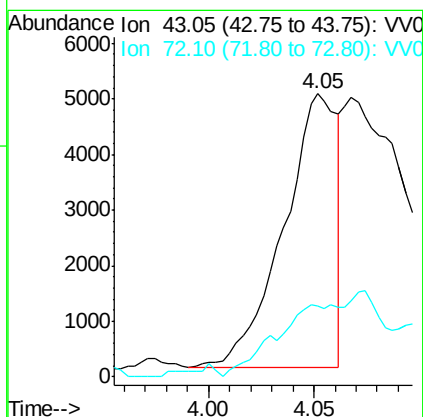
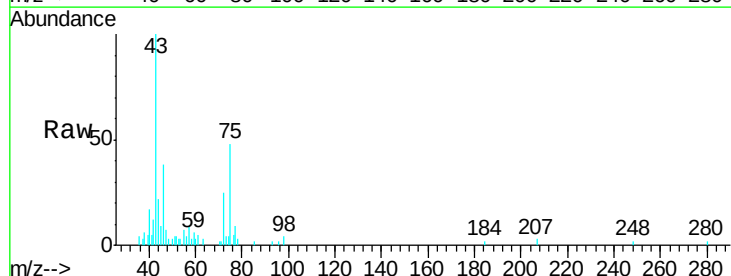
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

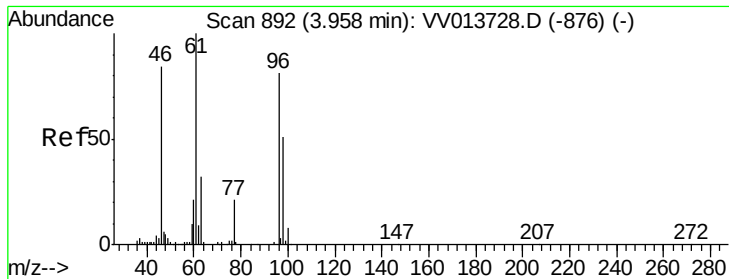
Tgt Ion: 63 Resp: 24115
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.7 42.1
 83 11.8 9.2 17.2



#21
 2-Butanone
 Concen: 1.053 ug/L
 RT: 4.05 min Scan# 921
 Delta R.T. 0.01 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion: 43 Resp: 8646
 Ion Ratio Lower Upper
 43 100
 72 24.9 12.3 36.9



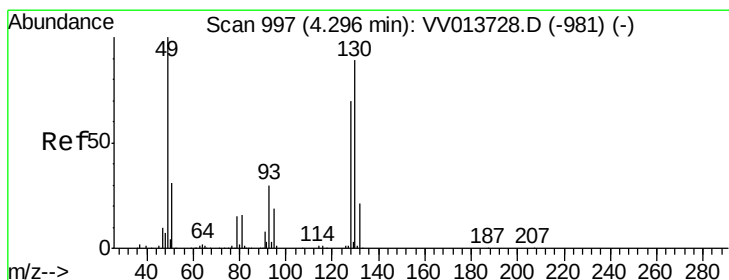
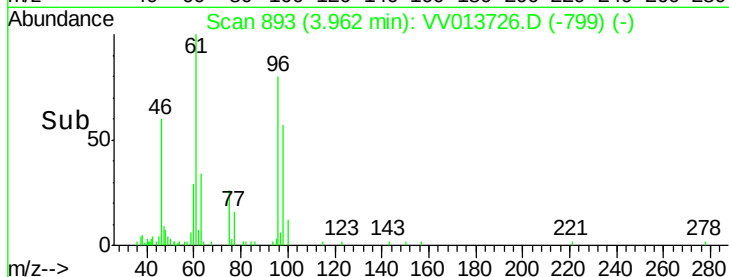
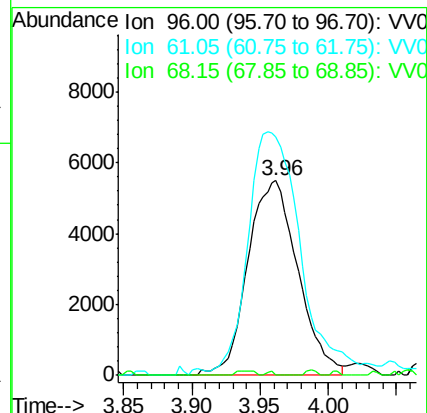
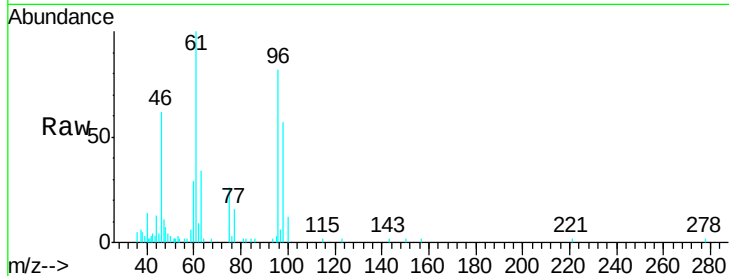


#22

cis-1,2-Dichloroethene
 Concen: 0.340 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

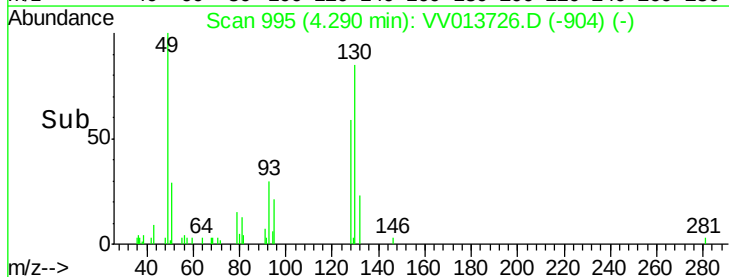
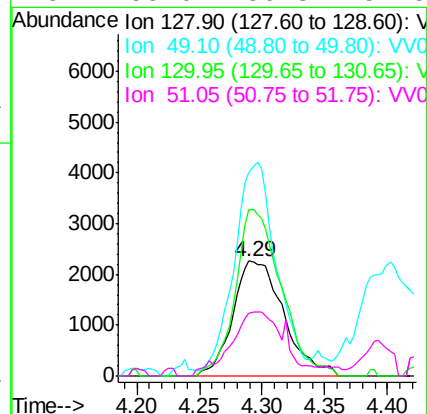
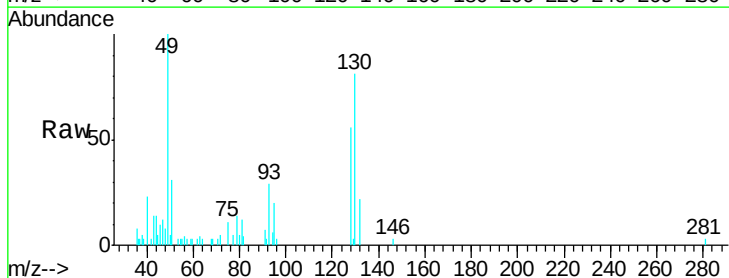
Tgt Ion: 96 Resp: 14007
 Ion Ratio Lower Upper
 96 100
 61 122.4 86.1 159.9
 68 0.0 0.0 0.0

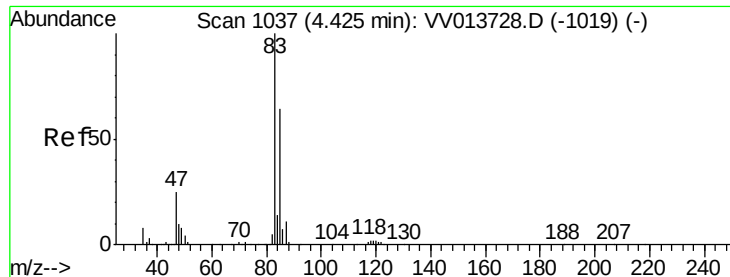


#23

Bromochloromethane
 Concen: 0.336 ug/L
 RT: 4.29 min Scan# 995
 Delta R.T. -0.01 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion: 128 Resp: 6370
 Ion Ratio Lower Upper
 128 100
 49 177.4 100.1 185.9
 130 144.6 89.0 165.4
 51 55.0 36.3 54.5#





#25

Chloroform

Concen: 0.277 ug/L

RT: 4.42 min Scan# 1036

Delta R.T. -0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

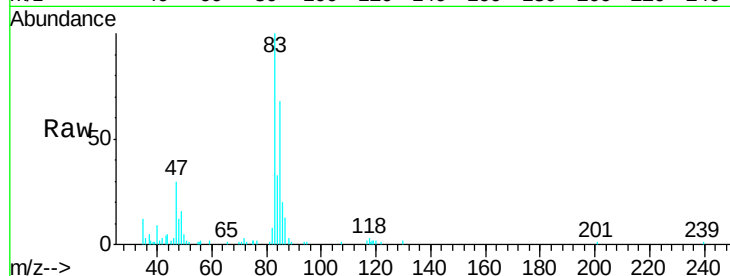
VSTD0.532

Tgt Ion: 83 Resp: 26430

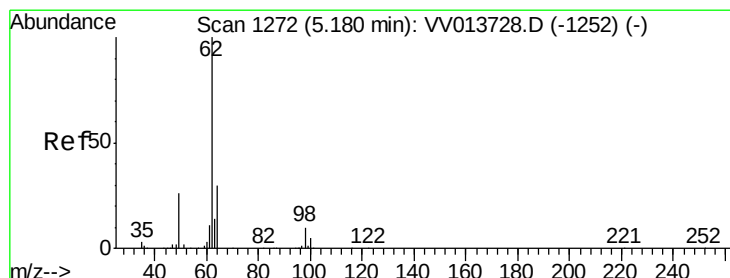
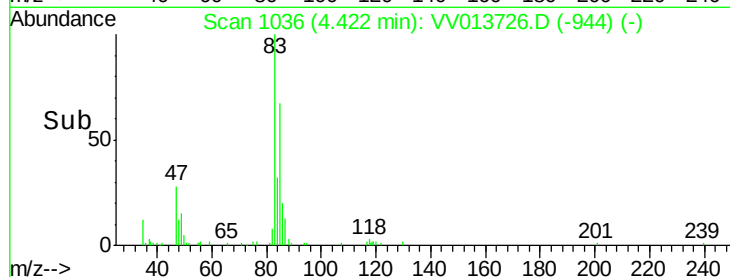
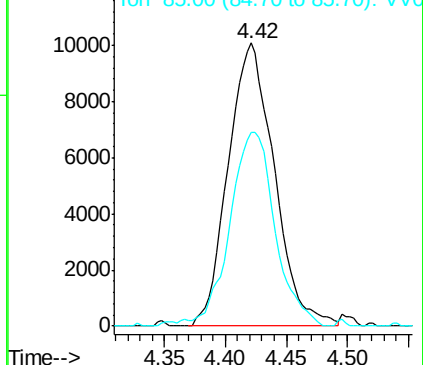
Ion Ratio Lower Upper

83 100

85 68.3 45.1 83.7



Abundance Ion 83.05 (82.75 to 83.75): VV013728.D (-1019) (-)



#27

1,2-Dichloroethane

Concen: 0.339 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. -0.00 min

Lab File: VV013726.D

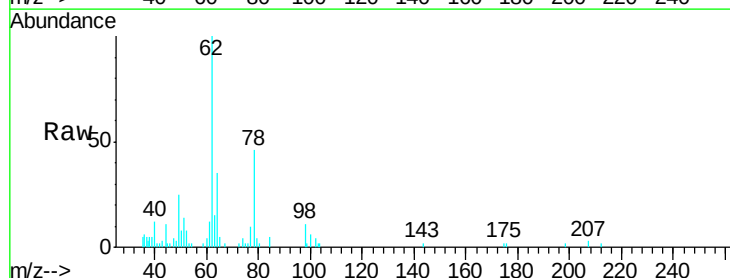
Acq: 22 Nov 2019 10:21

Tgt Ion: 62 Resp: 14398

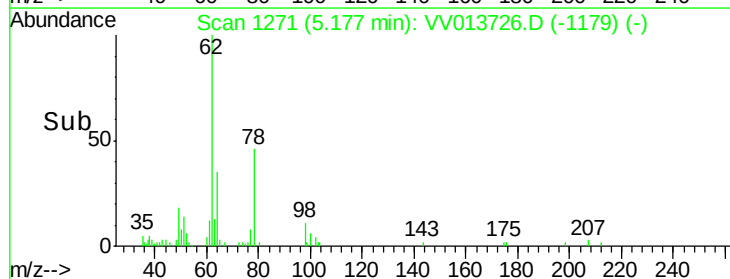
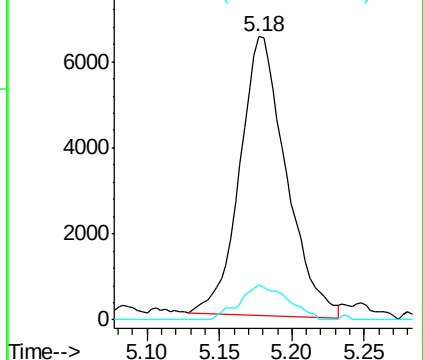
Ion Ratio Lower Upper

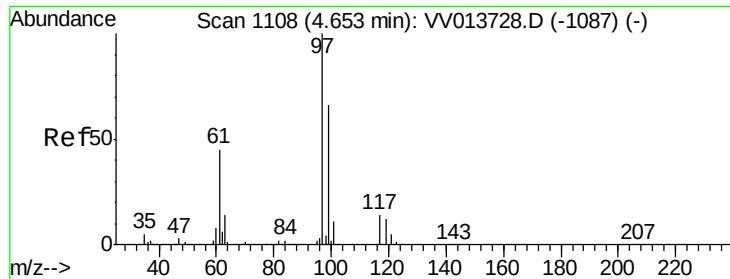
62 100

98 12.2 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013728.D (-1252) (-)

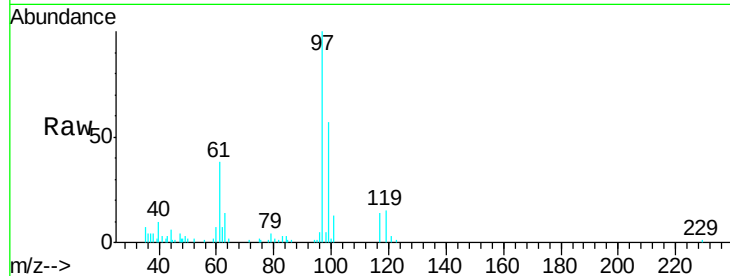




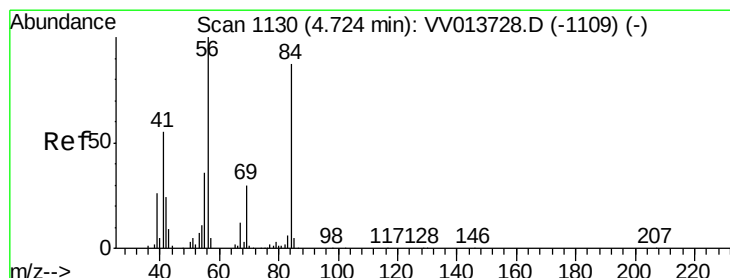
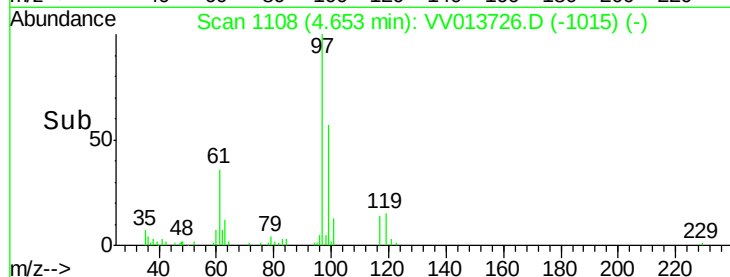
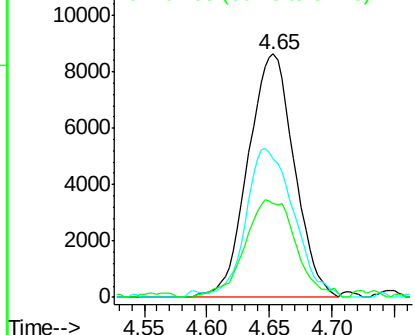
#29
 1,1,1-Trichloroethane
 Concen: 0.362 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

Tgt Ion: 97 Resp: 22070
 Ion Ratio Lower Upper
 97 100
 99 63.4 51.7 77.5
 61 44.3 35.0 52.6

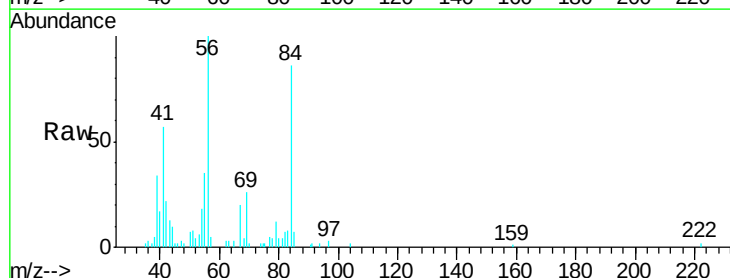


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

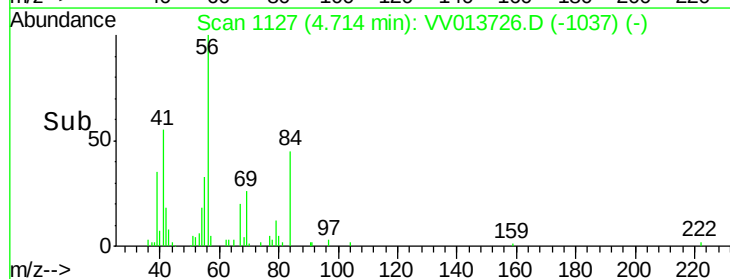
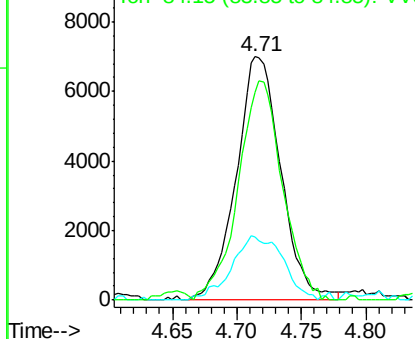


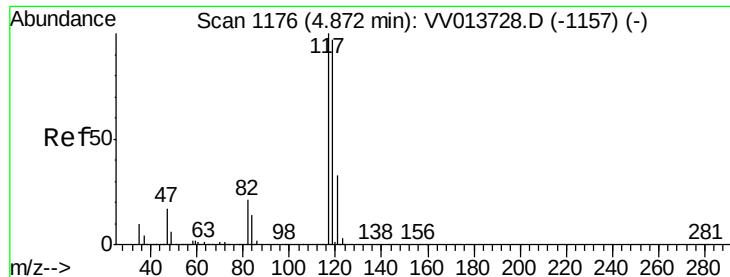
#30
 Cyclohexane
 Concen: 0.289 ug/L
 RT: 4.71 min Scan# 1127
 Delta R.T. -0.01 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion: 56 Resp: 16905
 Ion Ratio Lower Upper
 56 100
 69 30.2 24.1 36.1
 84 89.2 69.9 104.9



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: 0.346 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

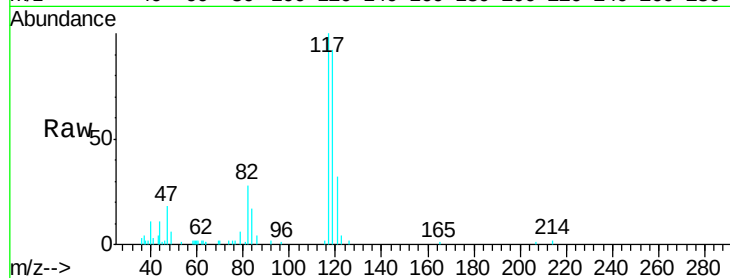
VSTD0.532

Tgt Ion:117 Resp: 18876

Ion Ratio Lower Upper

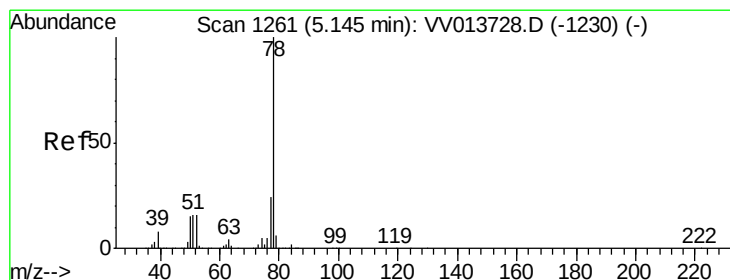
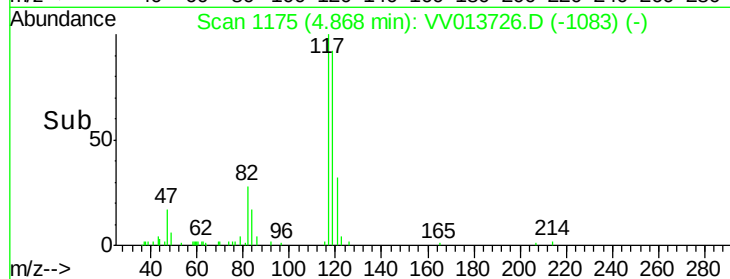
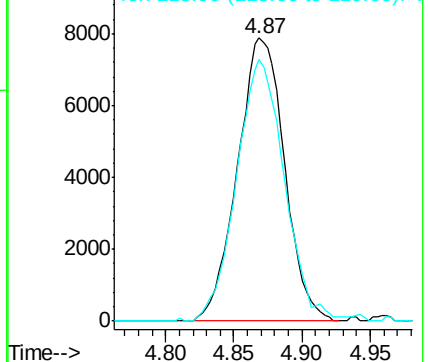
117 100

119 93.9 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.340 ug/L

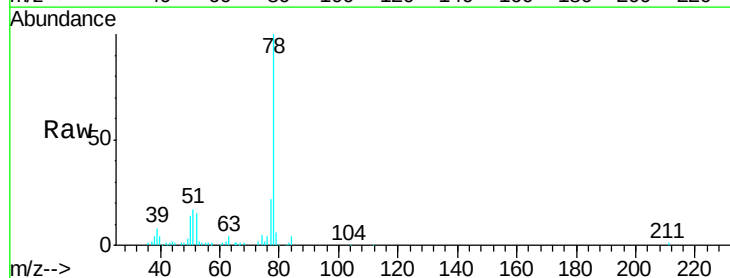
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

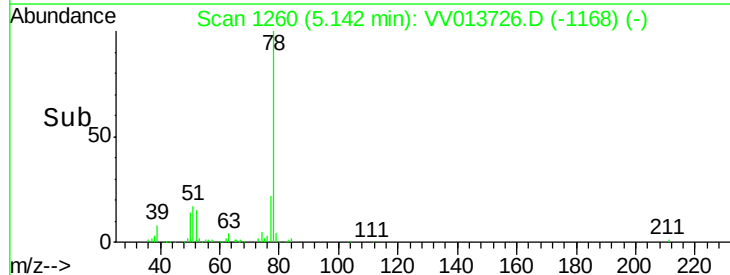
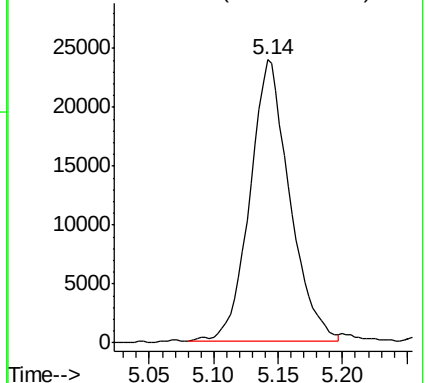
Lab File: VV013726.D

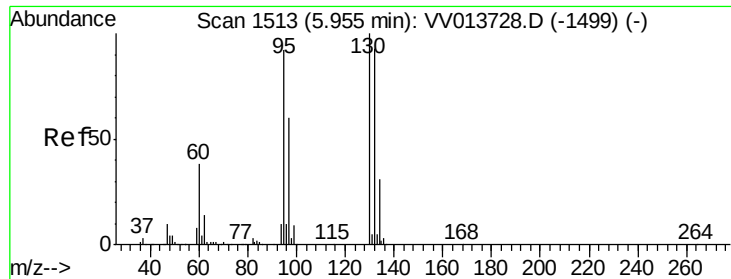
Acq: 22 Nov 2019 10:21

Tgt Ion: 78 Resp: 51260



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.363 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

Tgt Ion: 95 Resp: 14764

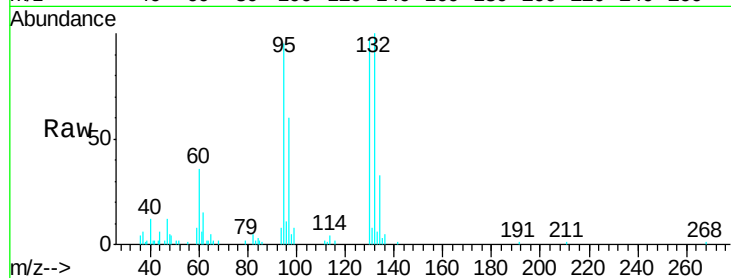
Ion Ratio Lower Upper

95 100

97 63.2 45.6 84.8

132 105.0 70.5 130.9

130 101.7 75.9 140.9

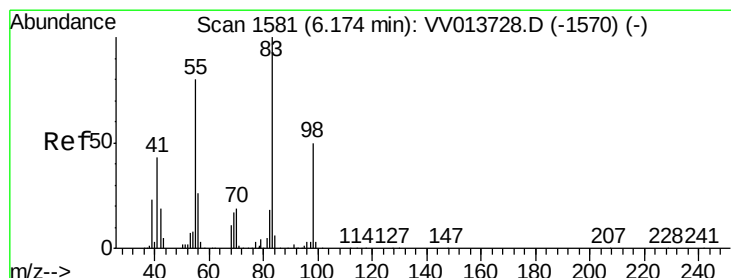
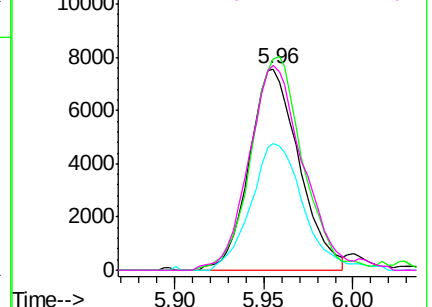
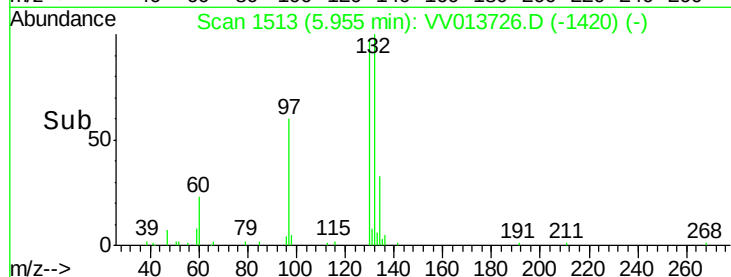


Abundance Ion 95.00 (94.70 to 95.70): VV013726.D (-1420) (-)

Ion 96.95 (96.65 to 97.65): VV013726.D (-1420) (-)

Ion 131.95 (131.65 to 132.65): VV013726.D (-1420) (-)

Ion 129.95 (129.65 to 130.65): VV013726.D (-1420) (-)



#35

Methylcyclohexane

Concen: 0.279 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

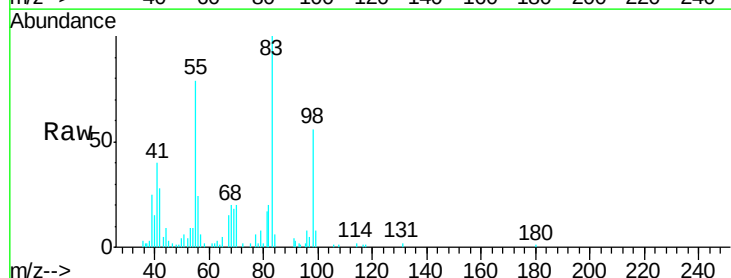
Tgt Ion: 83 Resp: 16908

Ion Ratio Lower Upper

83 100

55 82.2 60.3 90.5

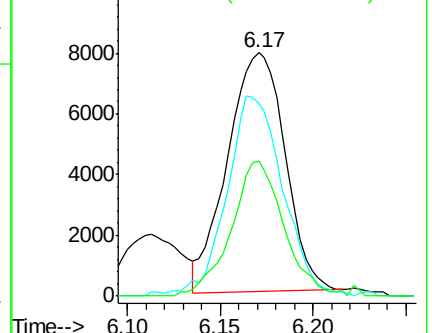
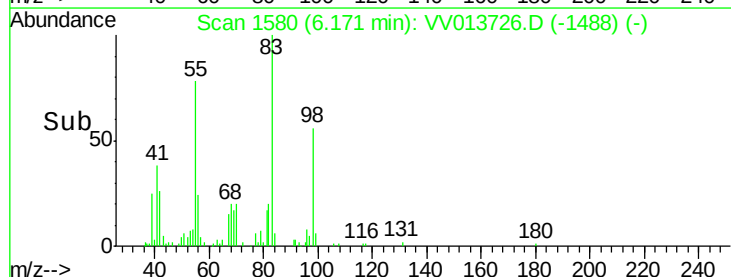
98 51.6 38.1 57.1

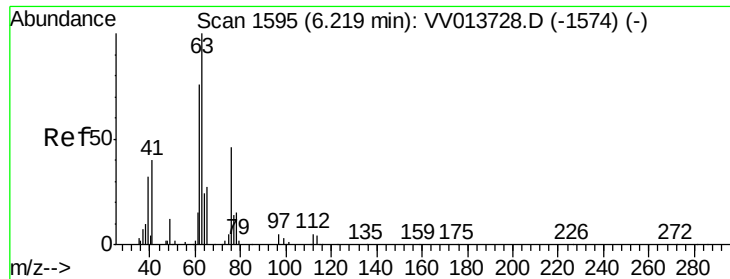


Abundance Ion 83.15 (82.85 to 83.85): VV013726.D (-1488) (-)

Ion 55.10 (54.80 to 55.80): VV013726.D (-1488) (-)

Ion 98.15 (97.85 to 98.85): VV013726.D (-1488) (-)

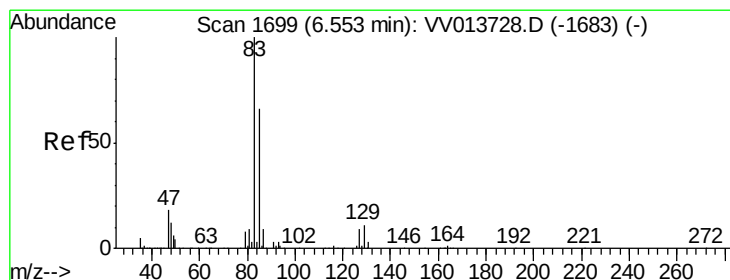
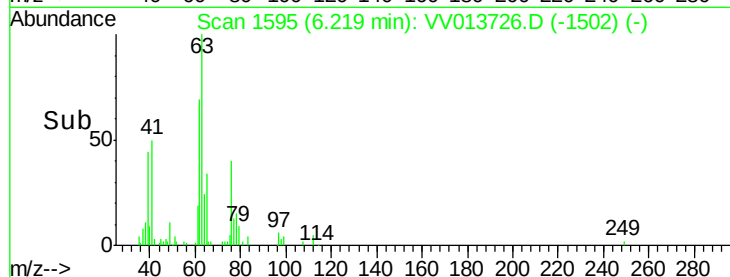
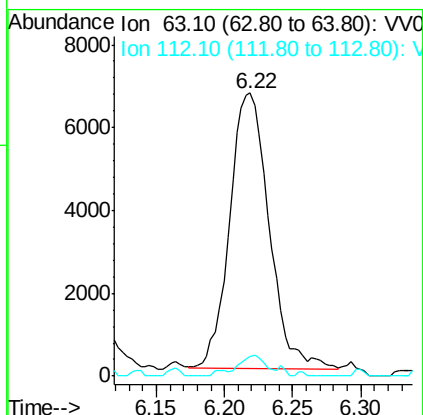
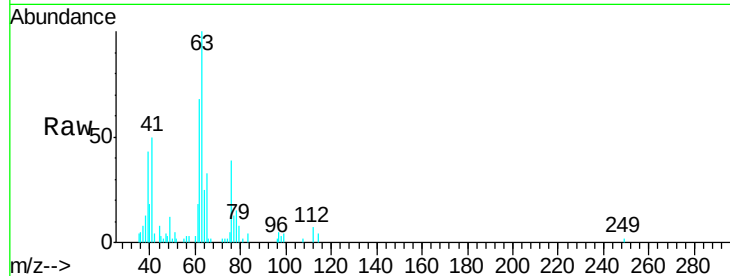




#37
 1,2-Dichloropropane
 Concen: 0.370 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

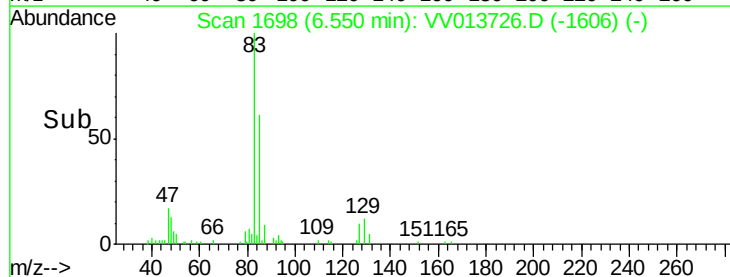
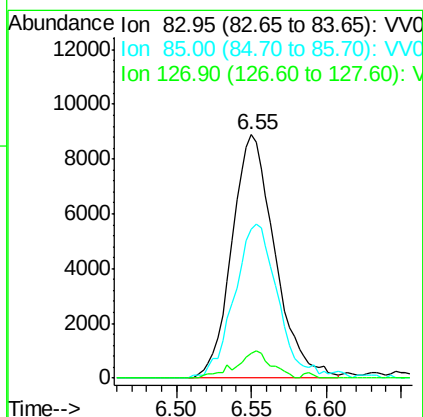
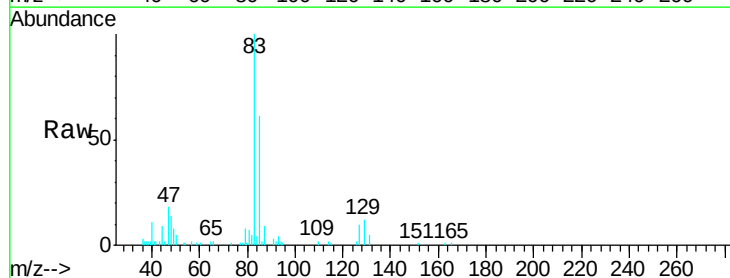
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.532

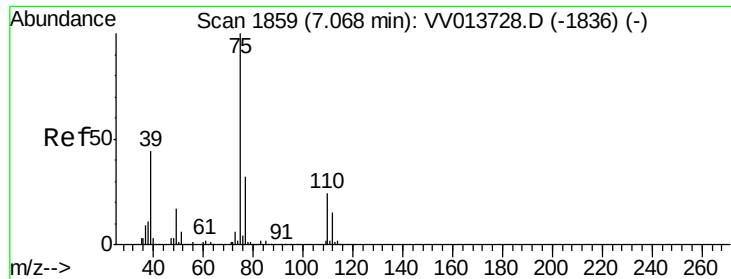
Tgt Ion: 63 Resp: 13396
 Ion Ratio Lower Upper
 63 100
 112 4.8 4.4 6.6



#38
 Bromodichloromethane
 Concen: 0.349 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion: 83 Resp: 17736
 Ion Ratio Lower Upper
 83 100
 85 61.3 46.1 85.5
 127 10.3 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 0.339 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

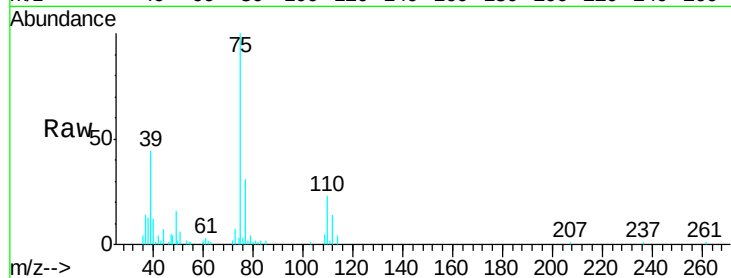
VSTD0.532

Tgt Ion: 75 Resp: 17690

Ion Ratio Lower Upper

75 100

77 30.7 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

10000

8000

6000

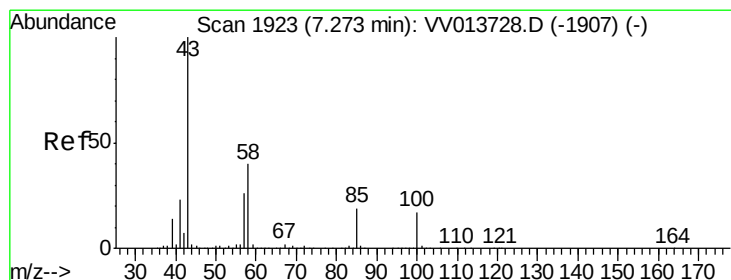
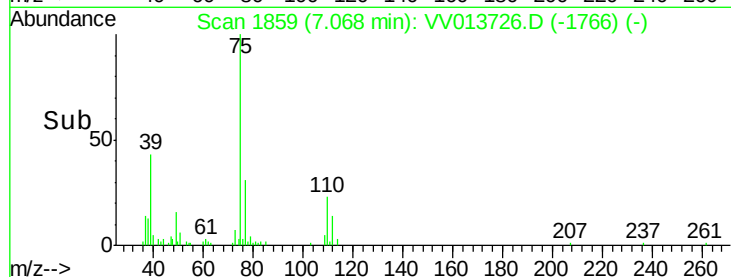
4000

2000

0

7.00 7.05 7.10 7.15

Time-->



#40

4-Methyl-2-pentanone

Concen: 3.674 ug/L

RT: 7.28 min Scan# 1924

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

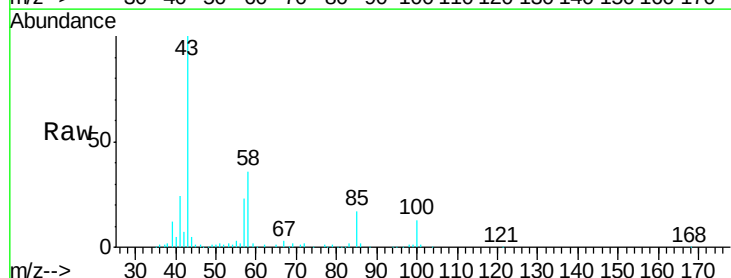
Tgt Ion: 43 Resp: 78224

Ion Ratio Lower Upper

43 100

58 34.7 32.3 48.5

100 12.7 12.7 19.1#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.28

40000

30000

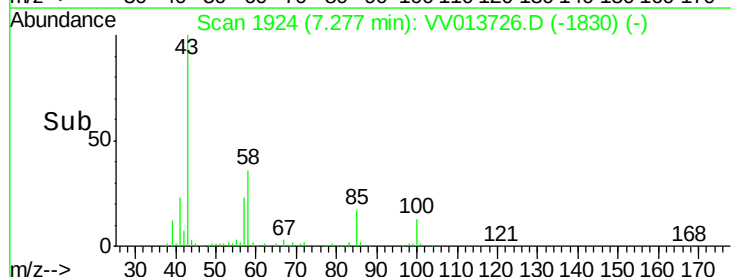
20000

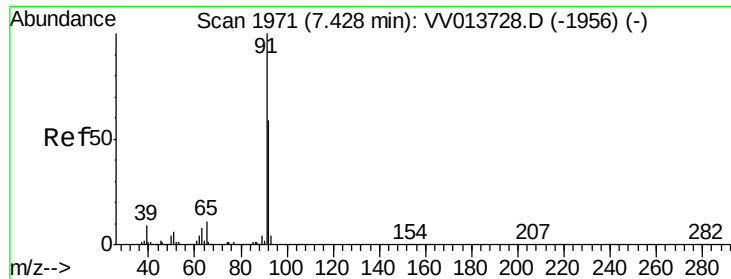
10000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 0.324 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

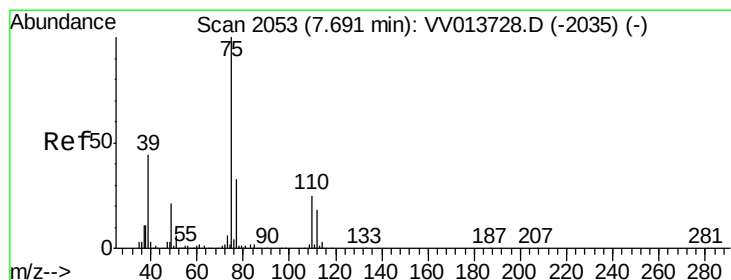
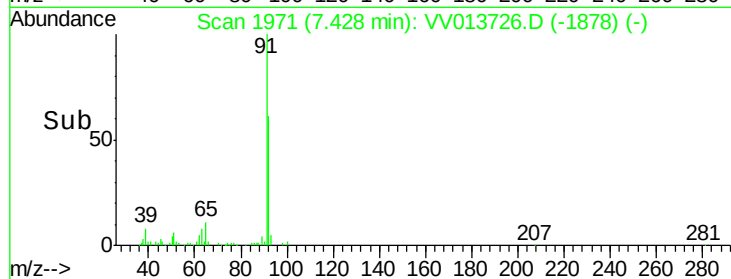
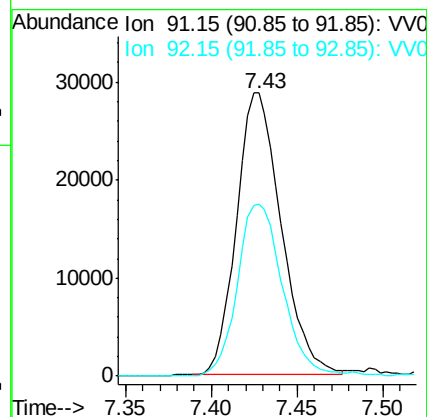
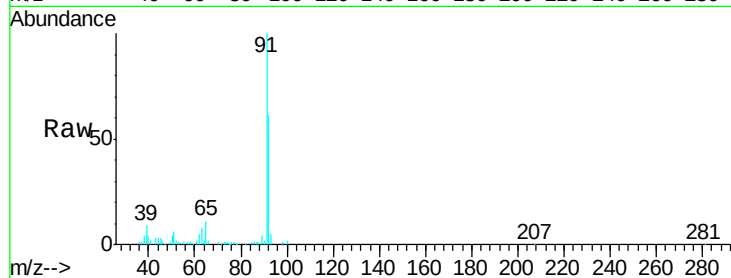
VSTD0.532

Tgt Ion: 91 Resp: 52120

Ion Ratio Lower Upper

91 100

92 60.7 41.1 76.3



#44

trans-1,3-Dichloropropene

Concen: 0.336 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013726.D

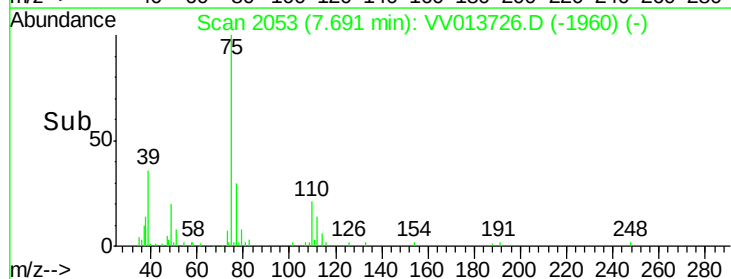
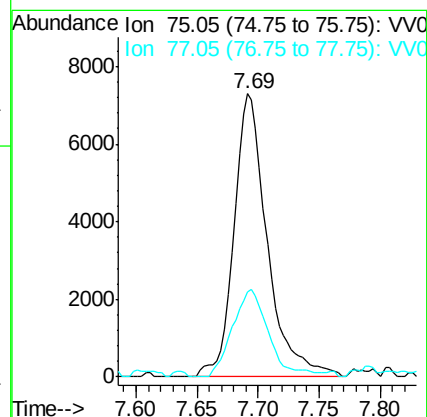
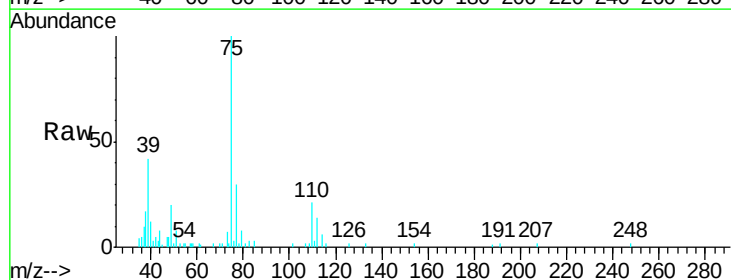
Acq: 22 Nov 2019 10:21

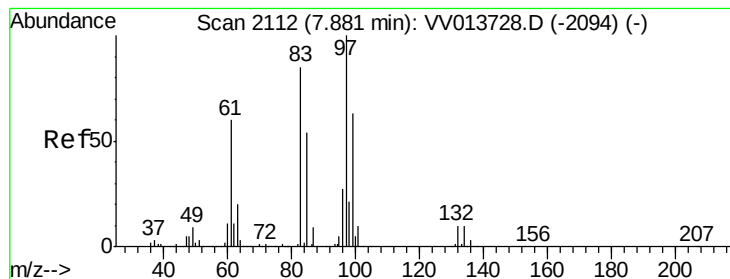
Tgt Ion: 75 Resp: 13847

Ion Ratio Lower Upper

75 100

77 30.0 23.0 42.8





#45

1,1,2-Trichloroethane

Concen: 0.339 ug/L

RT: 7.88 min Scan# 2112

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

Tgt Ion: 97 Resp: 8929

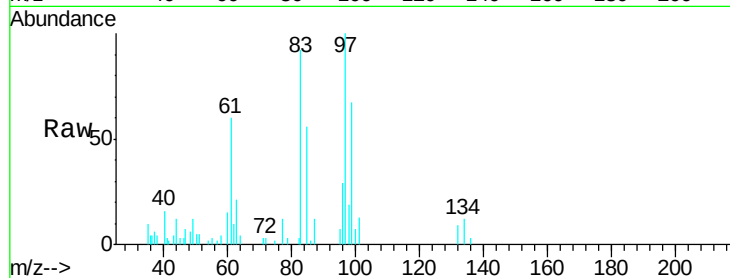
Ion Ratio Lower Upper

97 100

99 67.0 44.2 82.0

83 91.9 59.7 110.9

85 56.3 38.3 71.1

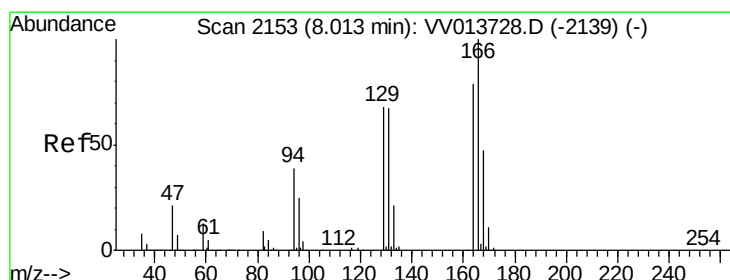
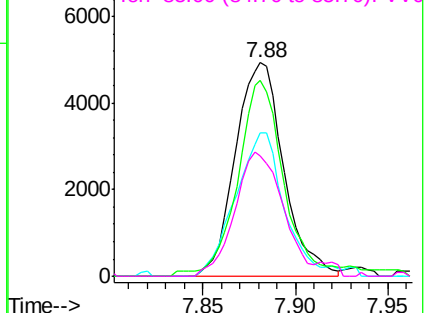
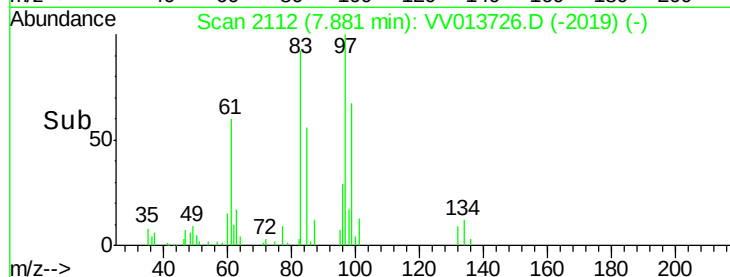


Abundance Ion 96.95 (96.65 to 97.65): VV013726.D (-2019) (-)

Ion 99.05 (98.75 to 99.75): VV013726.D (-2019) (-)

Ion 82.95 (82.65 to 83.65): VV013726.D (-2019) (-)

Ion 85.00 (84.70 to 85.70): VV013726.D (-2019) (-)



#47

Tetrachloroethene

Concen: 0.322 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Tgt Ion: 164 Resp: 12010

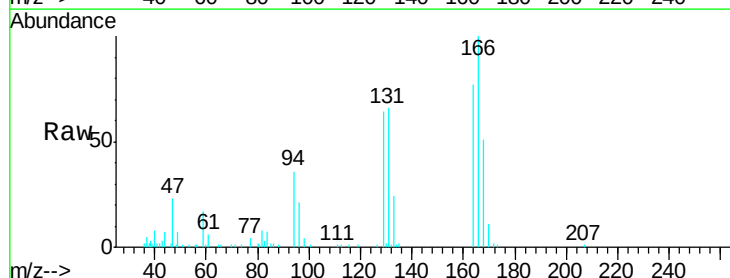
Ion Ratio Lower Upper

164 100

129 83.7 60.3 112.1

131 85.5 59.9 111.3

166 130.4 89.1 165.5

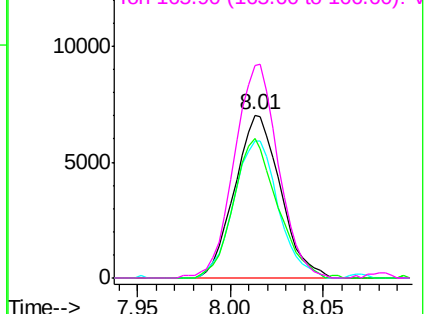
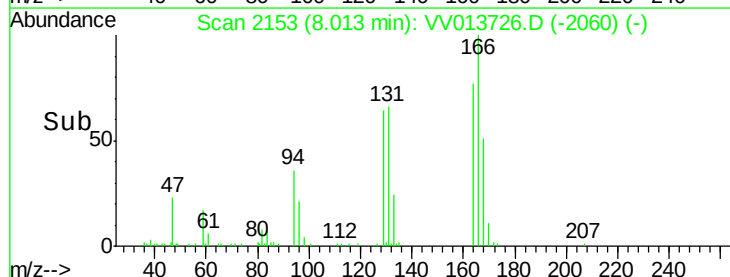


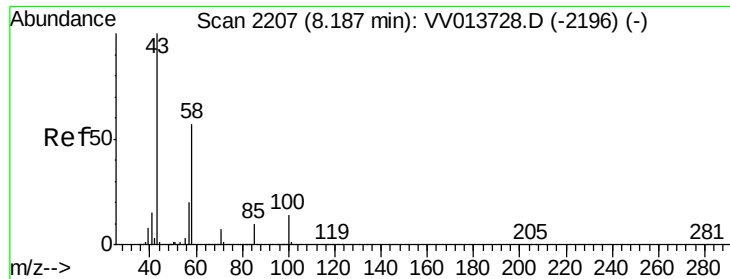
Abundance Ion 163.90 (163.60 to 164.60): VV013726.D (-2060) (-)

Ion 128.95 (128.65 to 129.65): VV013726.D (-2060) (-)

Ion 130.95 (130.65 to 131.65): VV013726.D (-2060) (-)

Ion 165.90 (165.60 to 166.60): VV013726.D (-2060) (-)

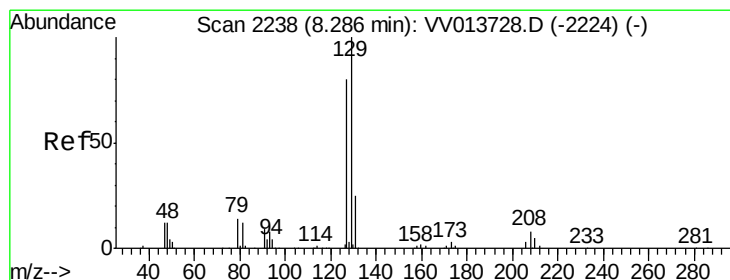
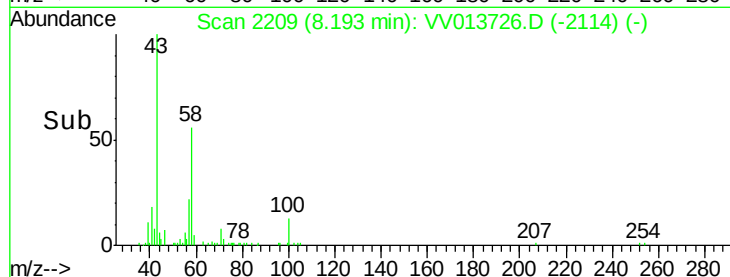
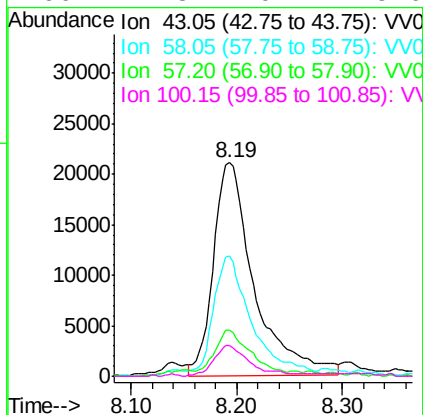
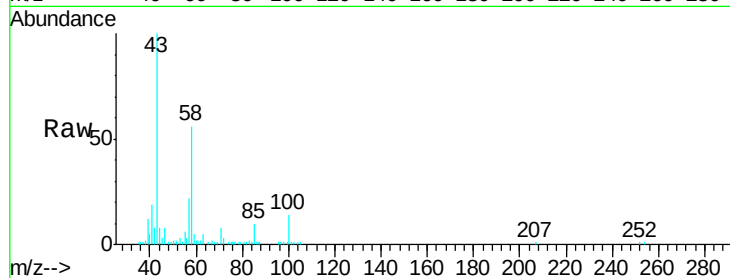




#48
2-Hexanone
Concen: 3.727 ug/L
RT: 8.19 min Scan# 2209
Delta R.T. 0.01 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

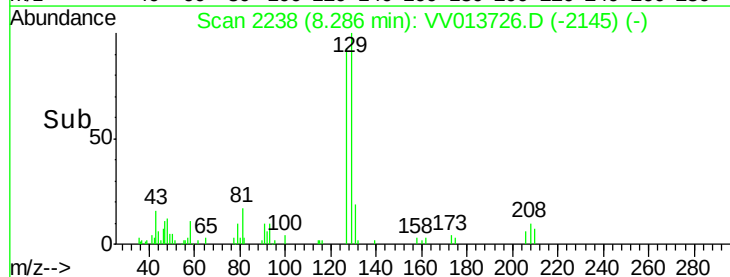
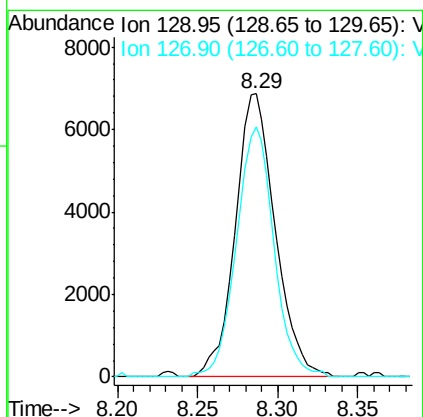
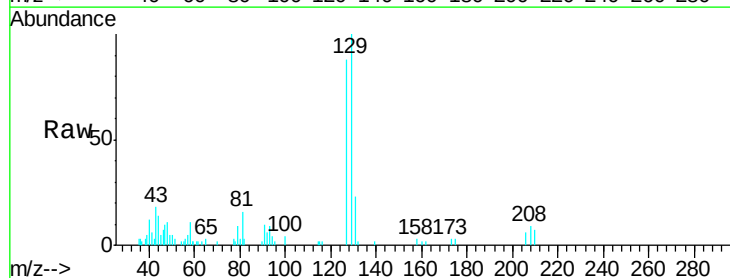
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

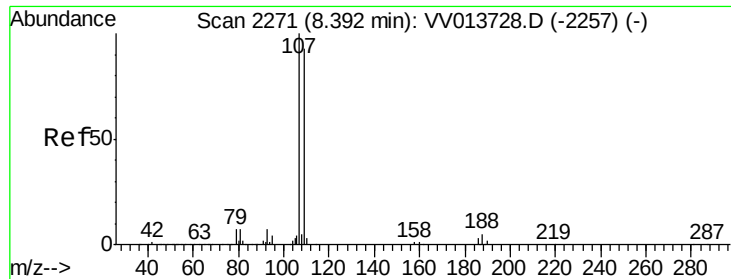
Tgt Ion:	43	Resp:	56607
Ion	Ratio	Lower	Upper
43	100		
58	50.8	43.2	64.8
57	16.8	15.4	23.2
100	11.8	10.4	15.6



#49
Dibromochloromethane
Concen: 0.348 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

Tgt Ion:	129	Resp:	11690
Ion	Ratio	Lower	Upper
129	100		
127	88.4	55.7	103.5

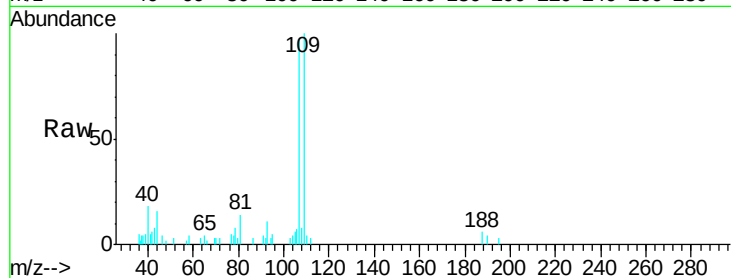




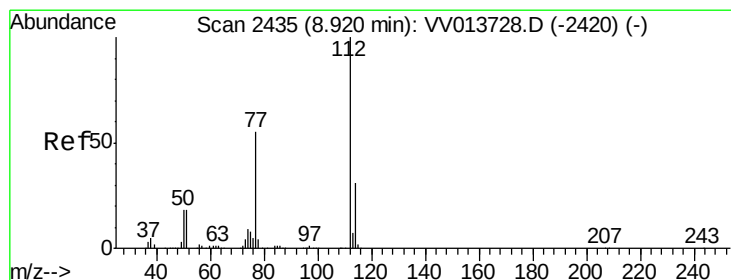
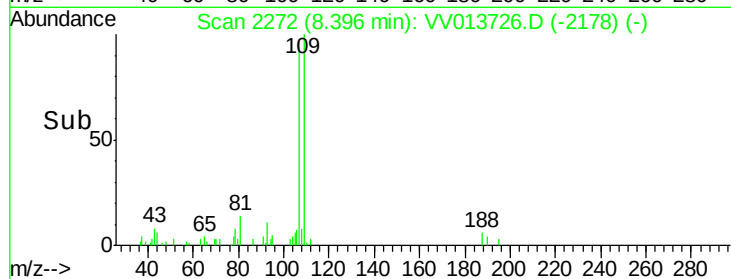
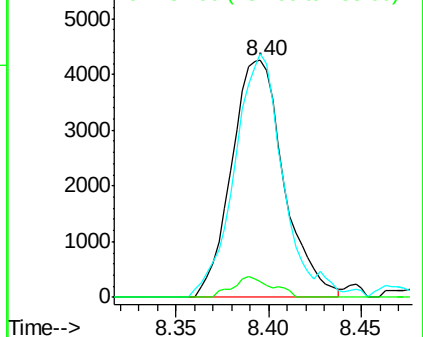
#50
1,2-Dibromoethane
Concen: 0.333 ug/L
RT: 8.40 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.532

Tgt Ion:107 Resp: 8369
Ion Ratio Lower Upper
107 100
109 102.8 65.2 121.0
188 6.6 4.2 6.2#

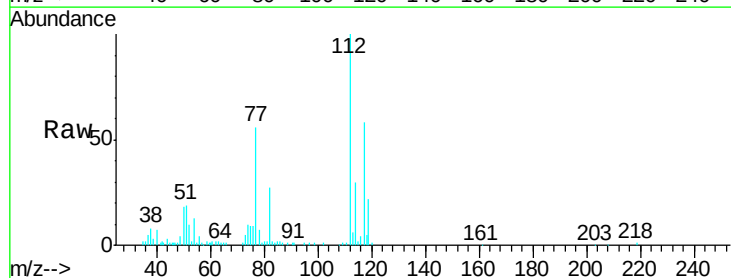


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

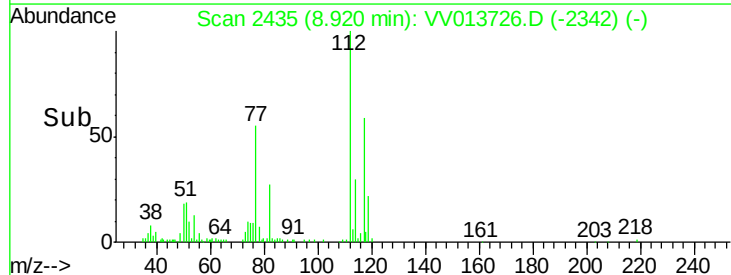
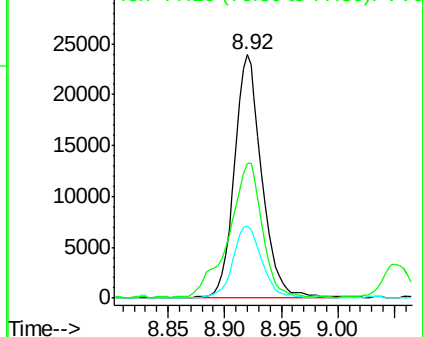


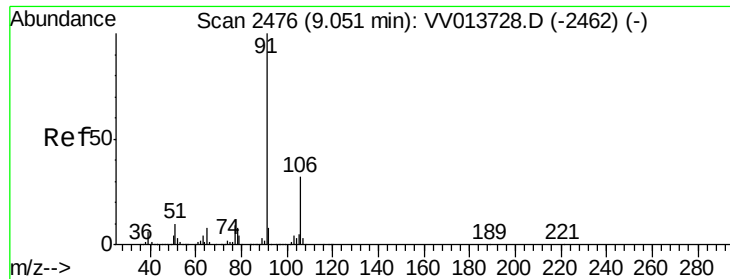
#51
Chlorobenzene
Concen: 0.374 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. 0.00 min
Lab File: VV013726.D
Acq: 22 Nov 2019 10:21

Tgt Ion:112 Resp: 40342
Ion Ratio Lower Upper
112 100
114 29.6 21.8 40.6
77 55.5 44.2 66.4



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): V





#52

Ethylbenzene

Concen: 0.314 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

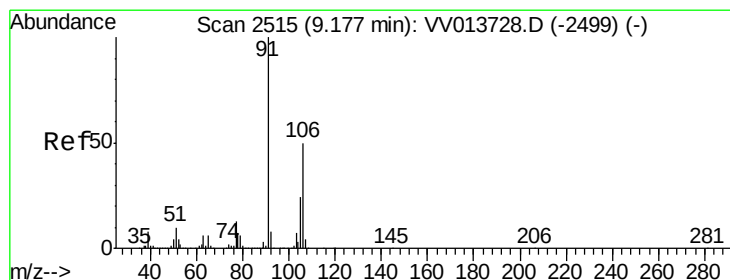
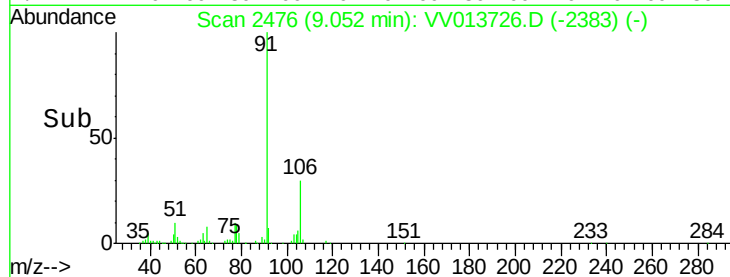
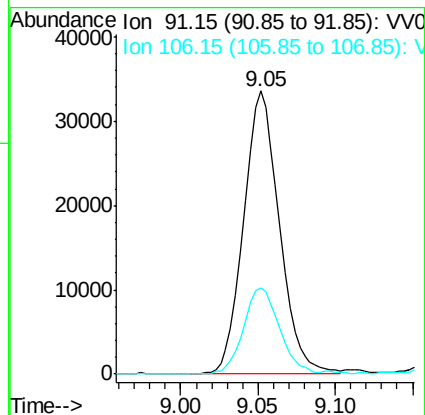
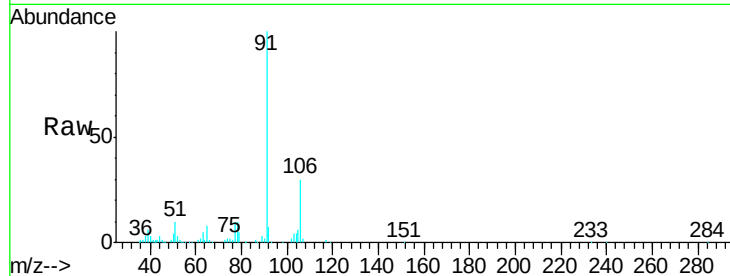
VSTD0.532

Tgt Ion: 91 Resp: 54183

Ion Ratio Lower Upper

91 100

106 30.4 22.1 41.1



#53

m,p-xylene

Concen: 0.307 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. 0.00 min

Lab File: VV013726.D

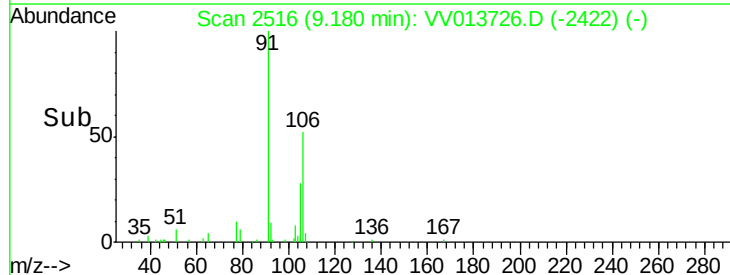
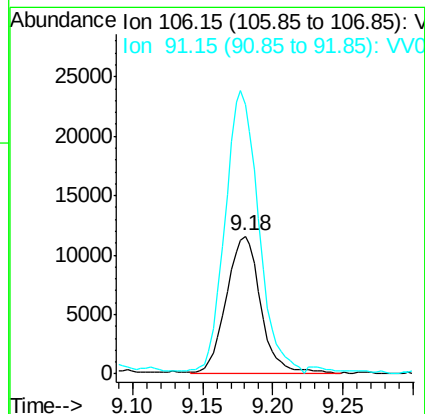
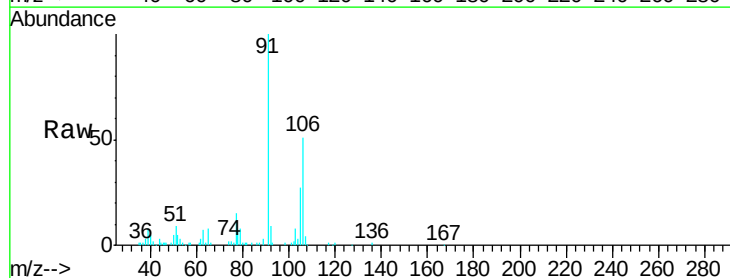
Acq: 22 Nov 2019 10:21

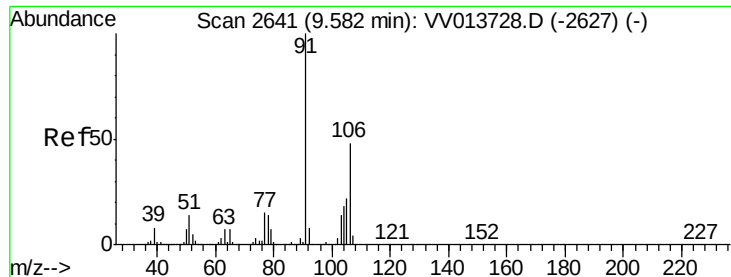
Tgt Ion: 106 Resp: 19875

Ion Ratio Lower Upper

106 100

91 195.5 139.9 259.9





#54

o-xylene

Concen: 0.304 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

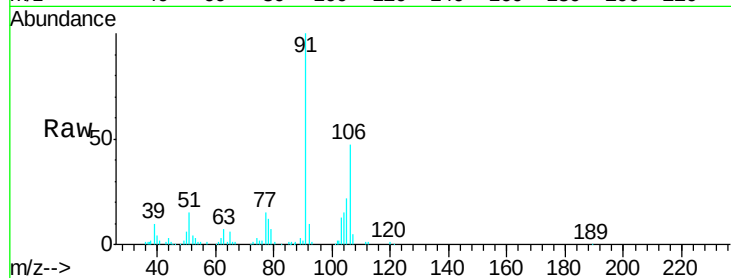
VSTD0.532

Tgt Ion:106 Resp: 19108

Ion Ratio Lower Upper

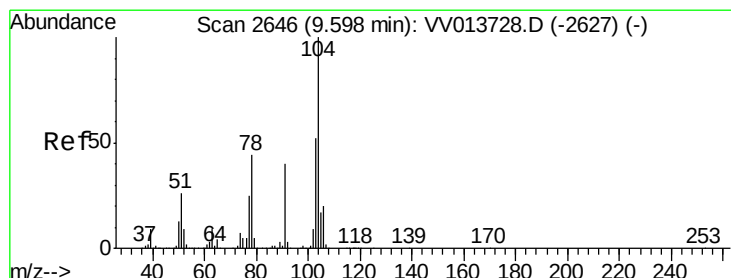
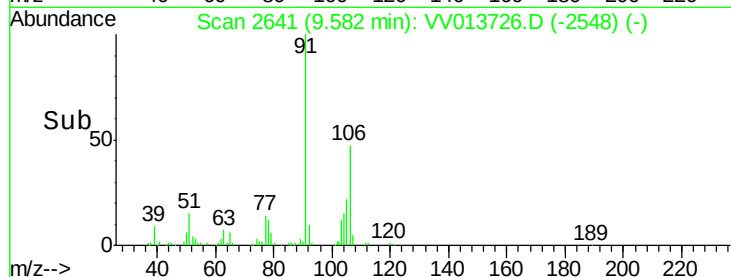
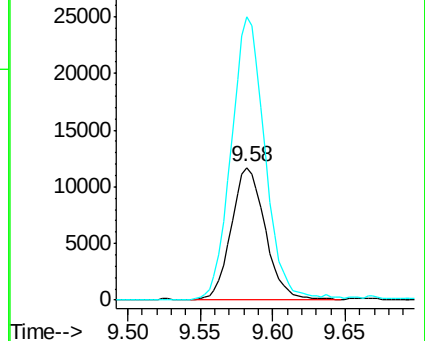
106 100

91 213.1 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.291 ug/L

RT: 9.60 min Scan# 2647

Delta R.T. 0.00 min

Lab File: VV013726.D

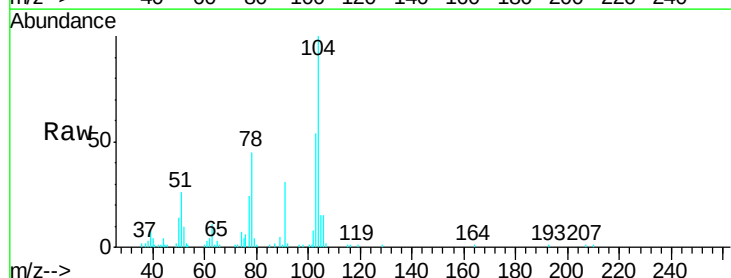
Acq: 22 Nov 2019 10:21

Tgt Ion:104 Resp: 30959

Ion Ratio Lower Upper

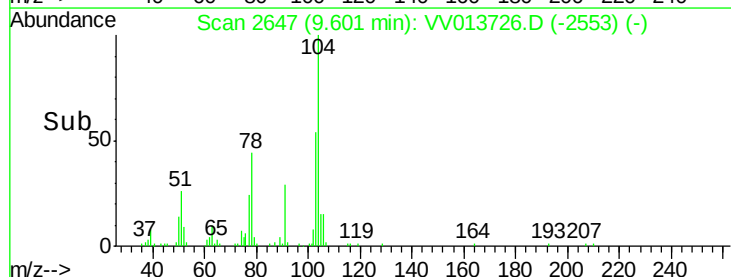
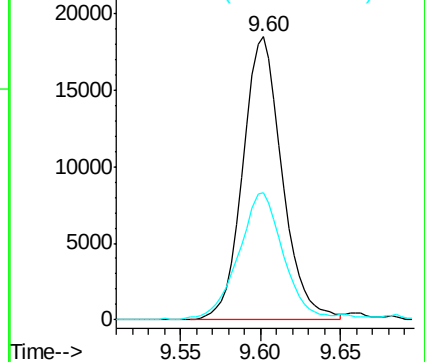
104 100

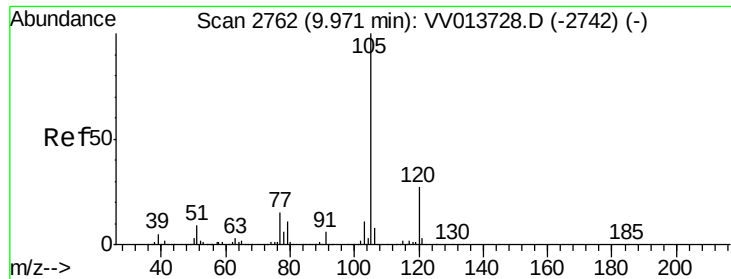
78 44.8 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.301 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

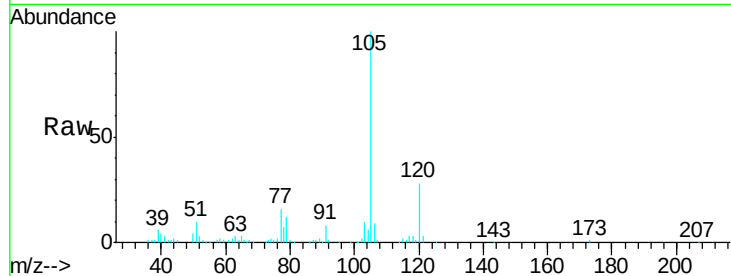
Tgt Ion:105 Resp: 50457

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

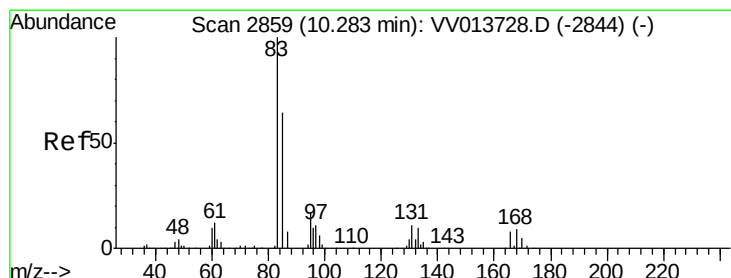
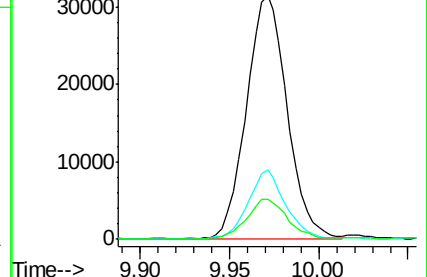
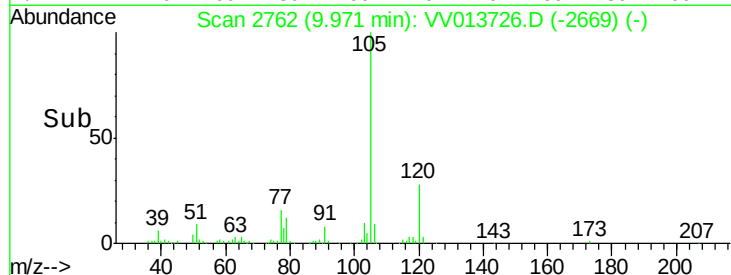
77 15.7 12.1 18.1



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: 0.351 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

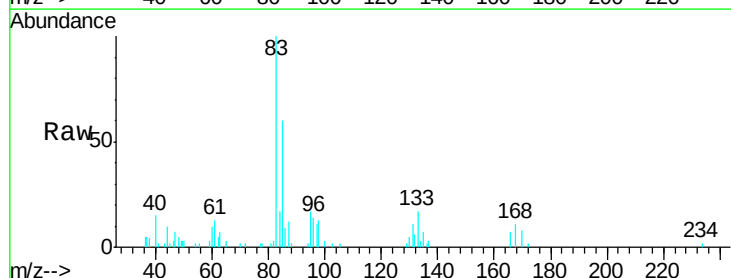
Tgt Ion: 83 Resp: 10207

Ion Ratio Lower Upper

83 100

85 59.9 45.1 83.7

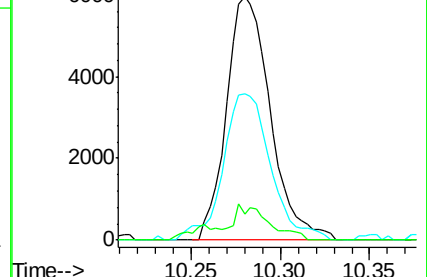
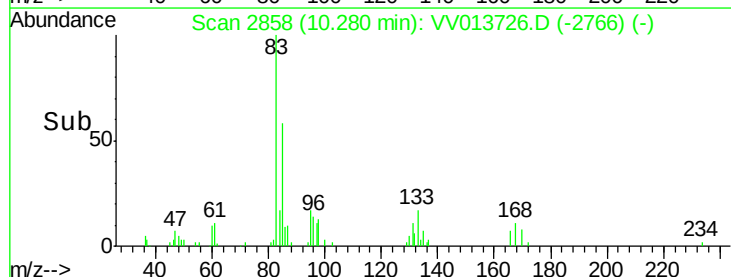
131 10.9 9.3 13.9

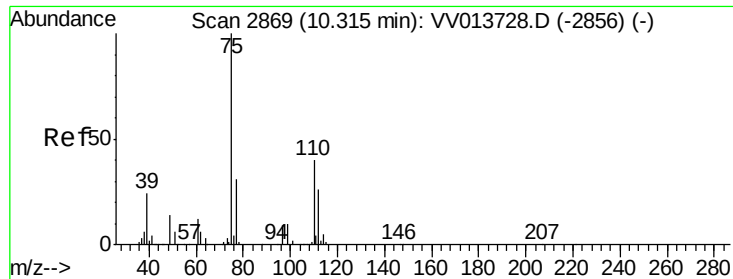


Abundance Ion 82.95 (82.65 to 83.65): V

Ion 85.00 (84.70 to 85.70): V

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.371 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

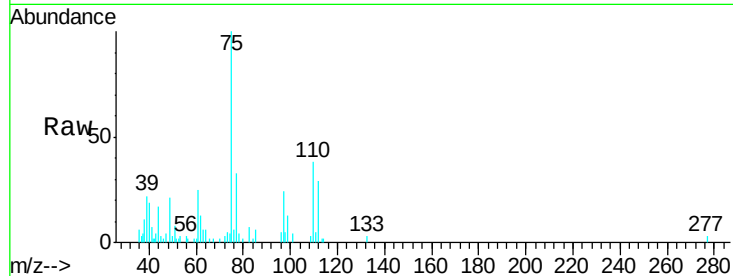
VSTD0.532

Tgt Ion: 75 Resp: 8448

Ion Ratio Lower Upper

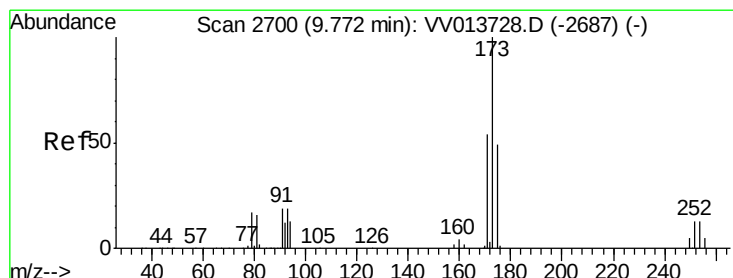
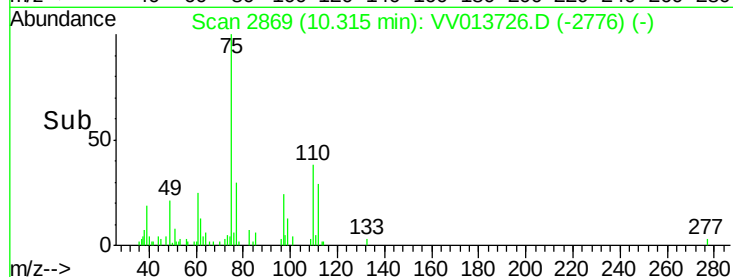
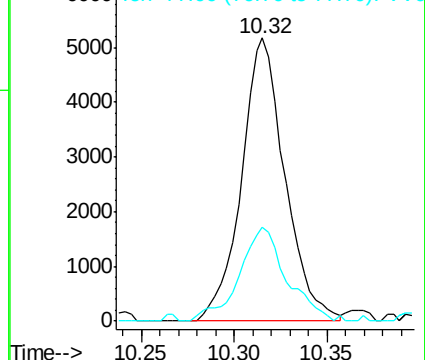
75 100

77 36.2 25.7 38.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0



#61

Bromoform

Concen: 0.338 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

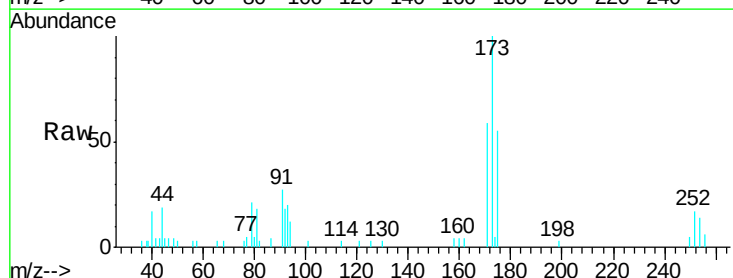
Tgt Ion: 173 Resp: 6740

Ion Ratio Lower Upper

173 100

175 51.5 39.1 58.7

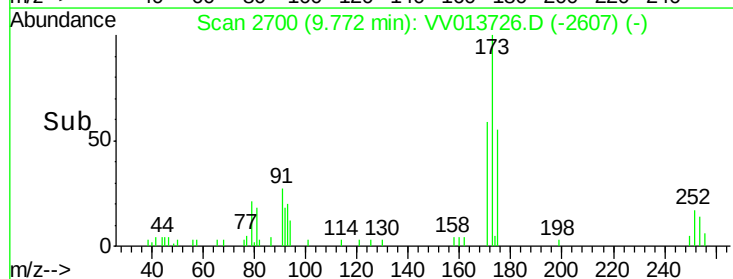
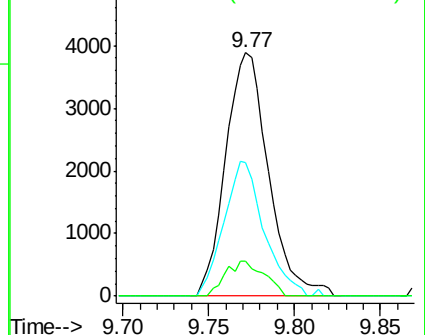
254 12.9 10.4 15.6

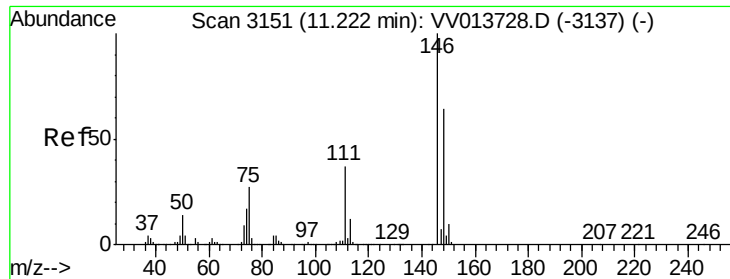


Abundance Ion 172.90 (172.60 to 173.60): V

Ion 174.90 (174.60 to 175.60): V

Ion 253.75 (253.45 to 254.45): V

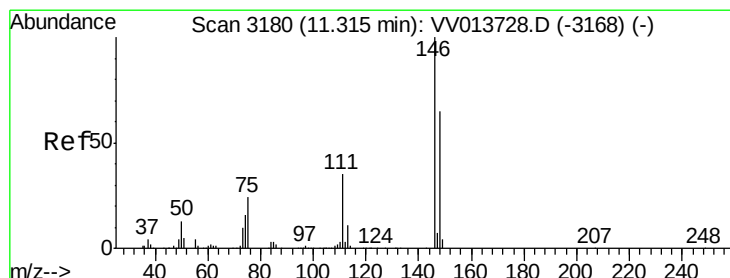
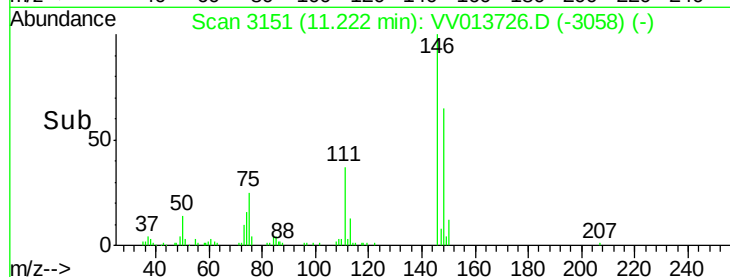
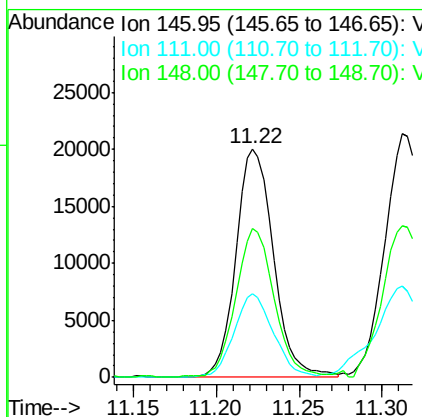
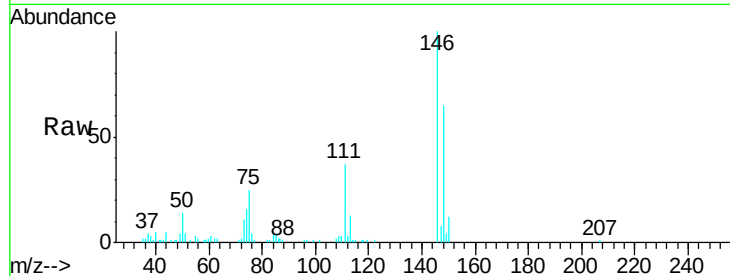




#62
 1,3-Dichlorobenzene
 Concen: 0.352 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

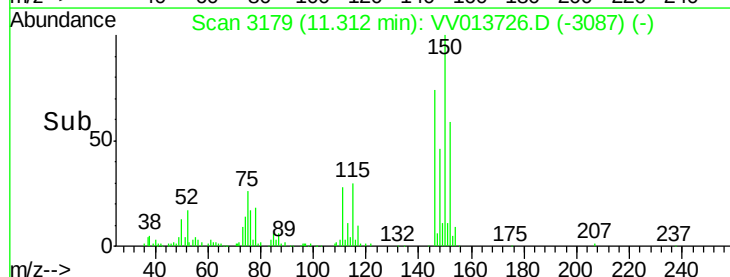
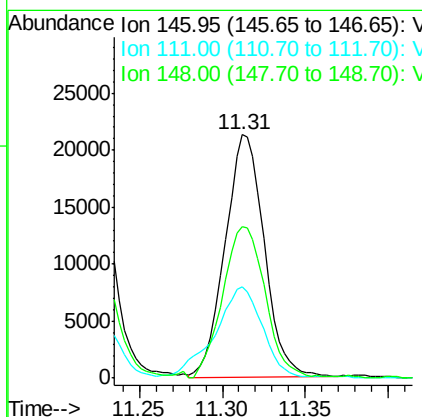
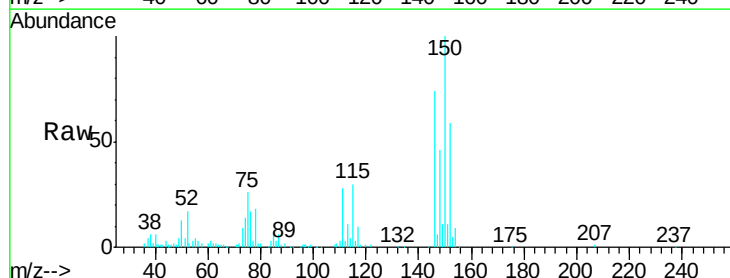
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.532

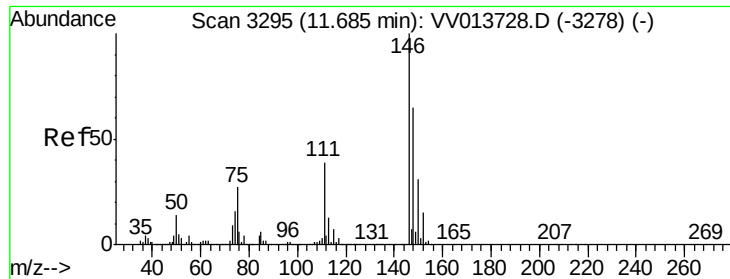
Tgt Ion:146 Resp: 31701
 Ion Ratio Lower Upper
 146 100
 111 36.9 25.6 47.6
 148 65.0 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 0.382 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion:146 Resp: 34831
 Ion Ratio Lower Upper
 146 100
 111 37.7 25.0 46.4
 148 62.3 45.4 84.2

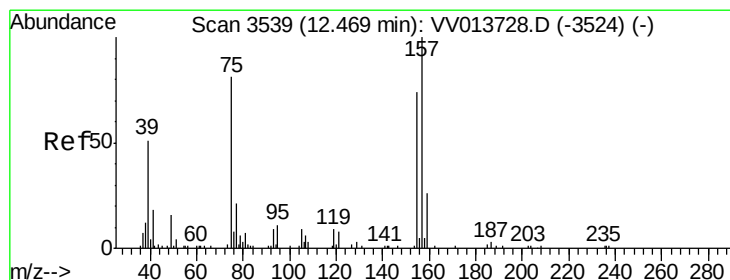
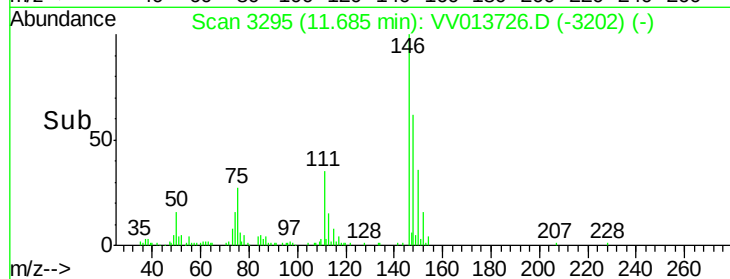
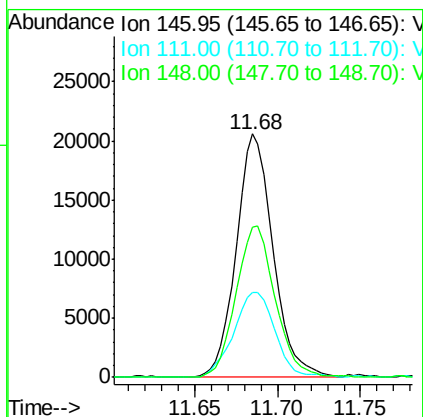
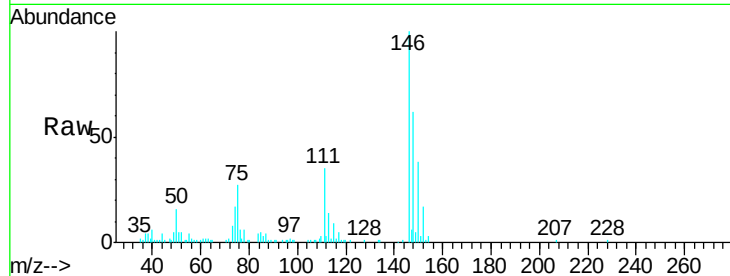




#65
 1,2-Dichlorobenzene
 Concen: 0.381 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

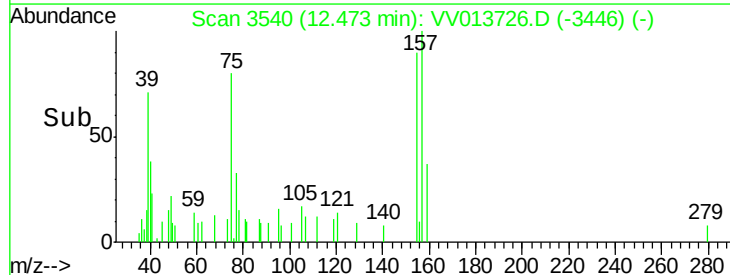
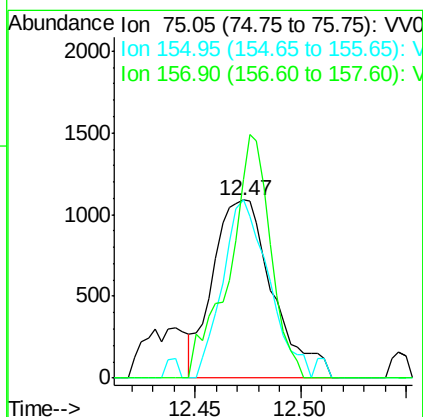
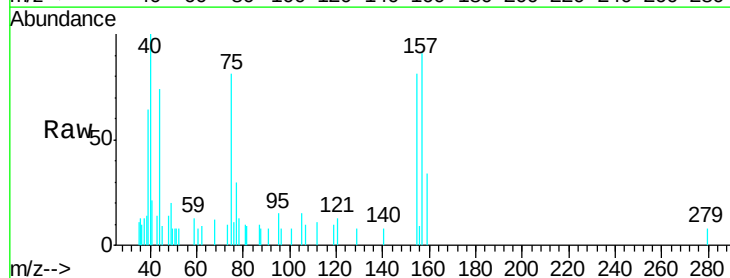
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.532

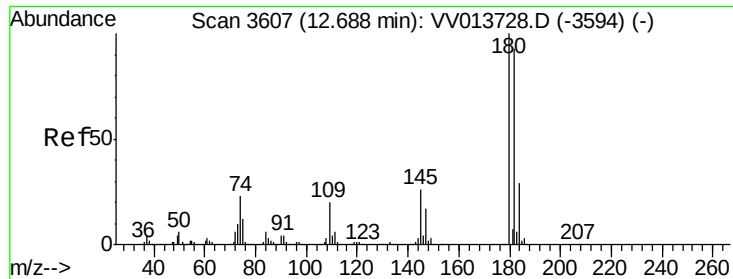
Tgt Ion: 146 Resp: 31867
 Ion Ratio Lower Upper
 146 100
 111 34.9 31.3 46.9
 148 61.7 52.2 78.2



#66
 1,2-Dibromo-3-chloropropane
 Concen: 0.427 ug/L
 RT: 12.47 min Scan# 3540
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion: 75 Resp: 2132
 Ion Ratio Lower Upper
 75 100
 155 100.2 73.4 110.0
 157 111.8 98.7 148.1

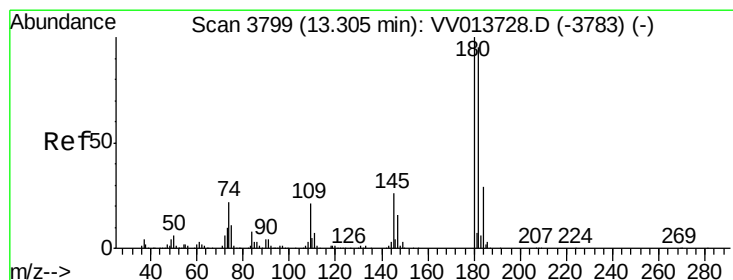
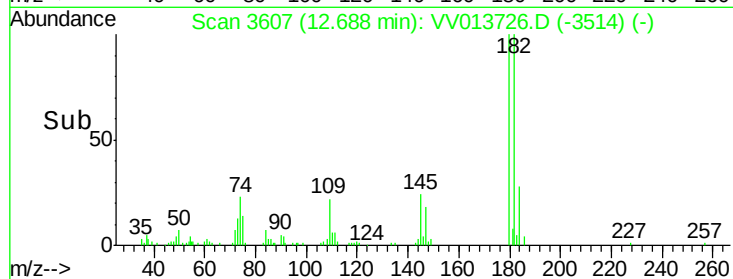
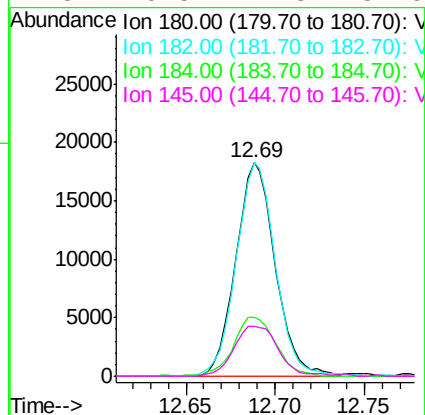
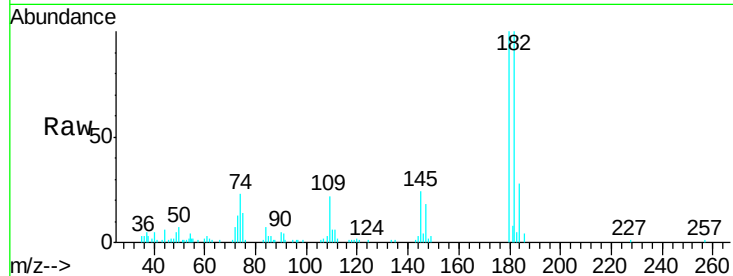




#67
 1,3,5-Trichlorobenzene
 Concen: 0.374 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

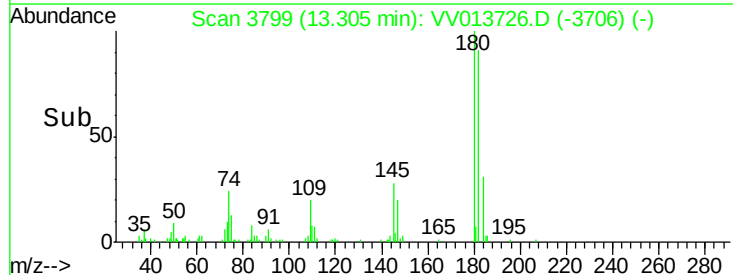
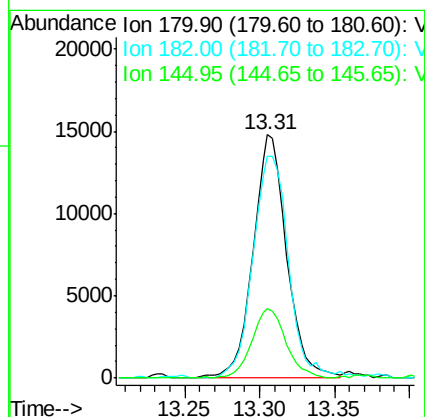
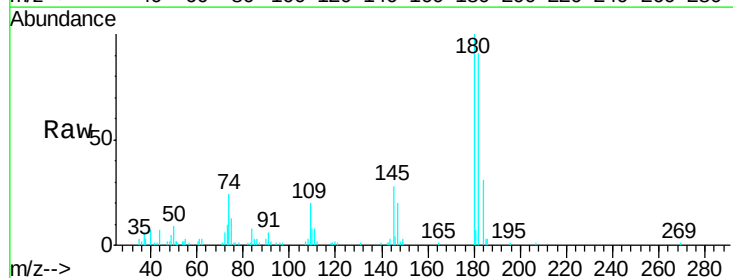
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD0.532

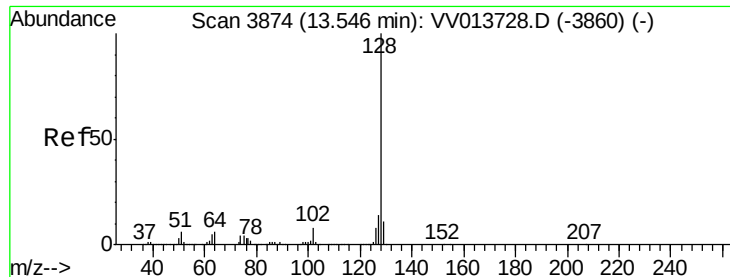
Tgt Ion:	180	Resp:	28103
Ion	Ratio	Lower	Upper
180	100		
182	99.7	74.8	112.2
184	29.8	23.2	34.8
145	26.5	21.3	31.9



#68
 1,2,4-trichlorobenzene
 Concen: 0.374 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013726.D
 Acq: 22 Nov 2019 10:21

Tgt Ion:	180	Resp:	23116
Ion	Ratio	Lower	Upper
180	100		
182	97.6	76.2	114.4
145	29.0	21.0	31.6





#69

Naphthalene

Concen: 0.412 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.532

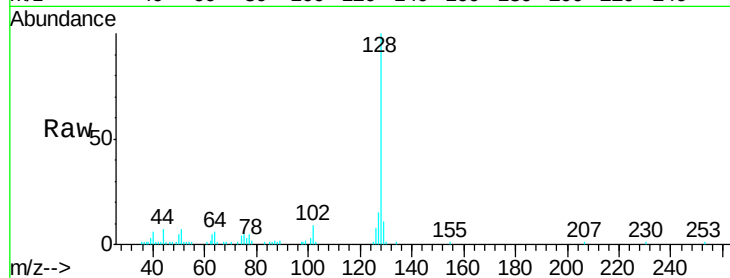
Tgt Ion:128 Resp: 34686

Ion Ratio Lower Upper

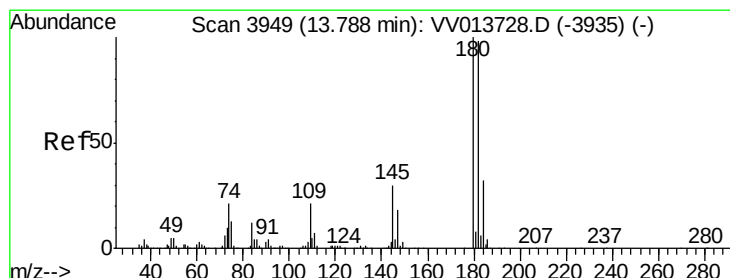
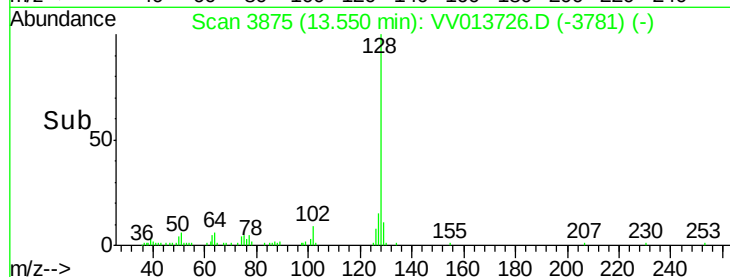
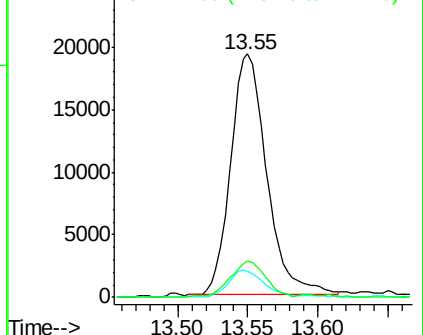
128 100

129 11.2 8.6 12.8

127 14.6 10.6 16.0



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: 0.383 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013726.D

Acq: 22 Nov 2019 10:21

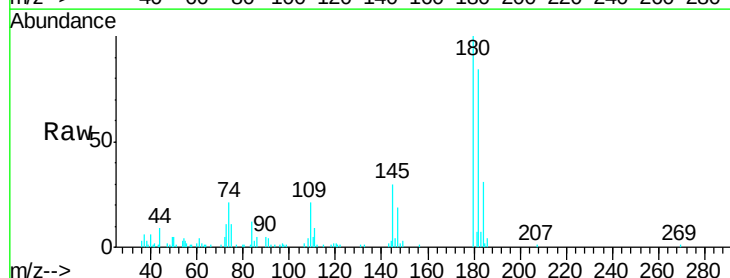
Tgt Ion:180 Resp: 21429

Ion Ratio Lower Upper

180 100

182 95.5 78.5 117.7

145 29.3 23.8 35.8



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

