

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017476.D
 Acq On : 14 Jul 2020 11:06
 Operator : SY/MD
 Sample : VSTD02033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Quant Time: Jul 15 02:04:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:00:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	146824	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	140758	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	78986	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	173203	19.71	ug/L	0.00
7) Chloroethane-d5	1.58	69	139061	21.41	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	371677	21.67	ug/L	0.00
20) 2-Butanone-d5	3.95	46	382958	177.51	ug/L	0.00
24) Chloroform-d	4.38	84	387951	20.31	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	211495	20.75	ug/L	0.00
32) Benzene-d6	5.07	84	681504	18.84	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	182799	17.17	ug/L	0.00
41) Toluene-d8	7.34	98	670214	19.72	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	94231	20.57	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	317126	190.95	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	134947	18.95	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	274559	18.92	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	340189	26.446 ug/L	99
3) Chloromethane	1.25	50	224018	21.894 ug/L	95
5) Vinyl chloride	1.32	62	232731	23.154 ug/L	99
6) Bromomethane	1.53	94	143187	24.242 ug/L	95
8) Chloroethane	1.60	64	129765	23.059 ug/L	95
9) Trichlorofluoromethane	1.77	101	426581	25.397 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	190760	23.345 ug/L	99
12) 1,1-Dichloroethene	2.13	96	173701	23.578 ug/L	96
13) Acetone	2.24	43	259218	225.391 ug/L	80
14) Carbon disulfide	2.31	76	547416	24.341 ug/L	98
15) Methyl Acetate	2.46	43	60103	22.581 ug/L	98
16) Methylene chloride	2.52	84	169066	21.376 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	436949	23.634 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	184551	23.307 ug/L	96
19) 1,1-Dichloroethane	3.21	63	361214	21.129 ug/L	97
21) 2-Butanone	4.03	43	408601	194.827 ug/L	# 44
22) cis-1,2-Dichloroethene	3.94	96	205010	20.062 ug/L	100
23) Bromochloromethane	4.27	128	94256	21.255 ug/L	95
25) Chloroform	4.40	83	388861	20.887 ug/L	99
27) 1,2-Dichloroethane	5.16	62	256963	21.834 ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	398508	22.712 ug/L	97
30) Cyclohexane	4.70	56	311476	19.536 ug/L	99
31) Carbon tetrachloride	4.85	117	369421	23.201 ug/L	99
33) Benzene	5.13	78	752955	20.272 ug/L	100
34) Trichloroethene	5.94	95	221324	20.215 ug/L	97
35) Methylcyclohexane	6.15	83	351072	20.881 ug/L	99
37) 1,2-Dichloropropane	6.20	63	170250	18.977 ug/L	99
38) Bromodichloromethane	6.53	83	271953	21.394 ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	294879	21.588 ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	966411	186.508 ug/L	99

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017476.D
 Acq On : 14 Jul 2020 11:06
 Operator : SY/MD
 Sample : VSTD02033
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

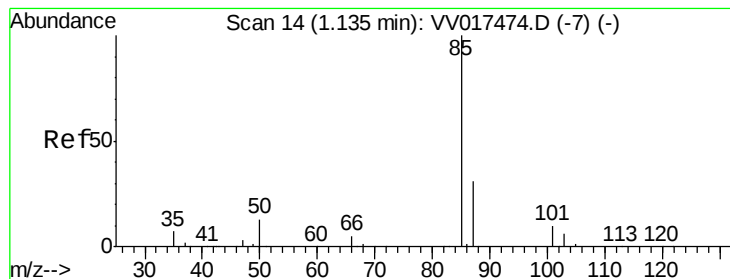
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Quant Time: Jul 15 02:04:07 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:00:44 2020
 Response via : Initial Calibration

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

42) Toluene	7.41	91	856685	19.877	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	909023	23.316	ug/L	99
44) 1,2,4-Trimethylbenzene	10.94	105	912198	23.061	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	261359	21.862	ug/L	97
47) 1,1,2-Trichloroethane	7.86	97	126669	19.570	ug/L	94
49) Tetrachloroethene	8.00	164	194221	21.701	ug/L	99
50) 2-Hexanone	8.16	43	694926	188.552	ug/L	100
51) Dibromochloromethane	8.27	129	186017	22.986	ug/L	98
52) 1,2-Dibromoethane	8.37	107	125923	20.375	ug/L #	96
53) Chlorobenzene	8.90	112	560009	20.697	ug/L	99
54) Ethylbenzene	9.03	91	999487	21.655	ug/L	100
55) m,p-xylene	9.16	106	378402	20.907	ug/L	96
56) o-xylene	9.56	106	365126	21.651	ug/L	97
57) Styrene	9.58	104	625458	22.190	ug/L	97
58) Isopropylbenzene	9.95	105	1036148	22.125	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	135694	20.363	ug/L	94
62) Bromoform	9.75	173	104856	23.805	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	498656	20.806	ug/L	98
64) 1,4-Dichlorobenzene	11.29	146	489555	20.146	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	444797	20.492	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	29720	23.938	ug/L	98
68) 1,3,5-Trichlorobenzene	12.67	180	408681	21.199	ug/L	99
69) 1,2,4-trichlorobenzene	13.28	180	355079	22.361	ug/L	100
70) Naphthalene	13.52	128	537915	23.979	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	303248	22.973	ug/L	97

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



#2

Dichlorodifluoromethane

Concen: 26.446 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

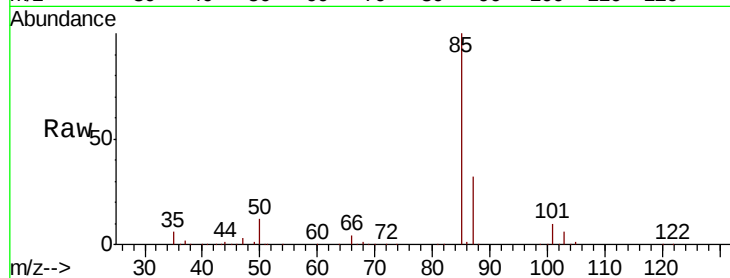
VSTD02033

Tot Ion: 85 Resp: 340189

Ion Ratio Lower Upper

85 100

87 32.2 25.1 37.7



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

400000

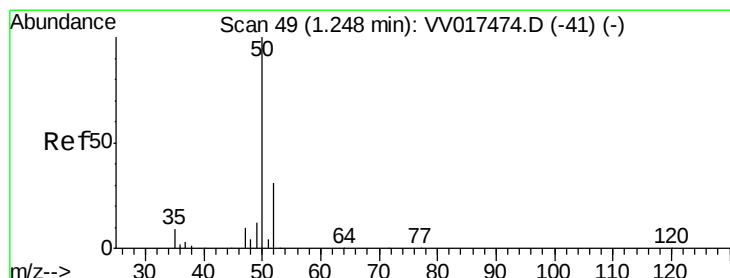
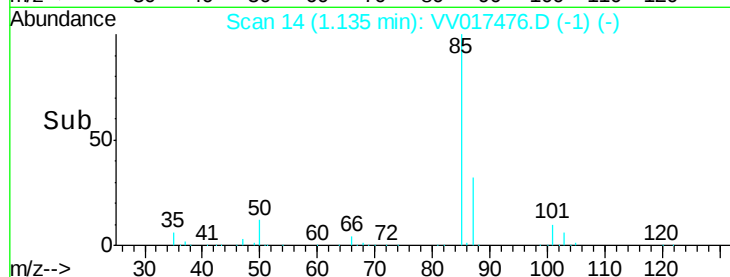
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 21.894 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017476.D

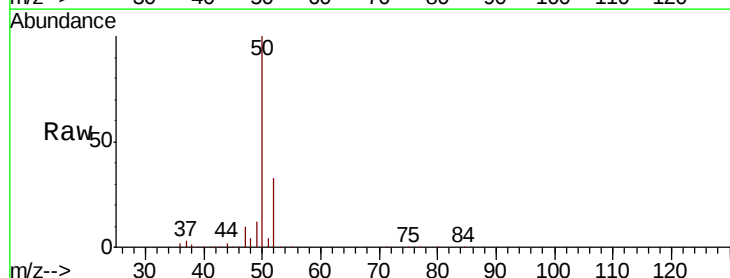
Acq: 14 Jul 2020 11:06

Tgt Ion: 50 Resp: 224018

Ion Ratio Lower Upper

50 100

52 33.5 21.4 39.8



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

250000

200000

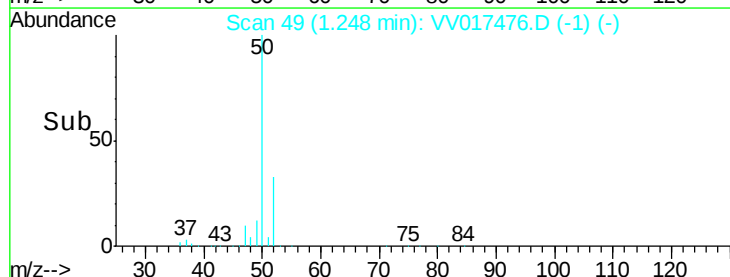
150000

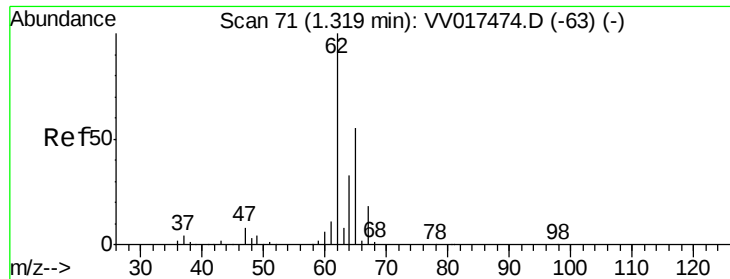
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 23.154 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

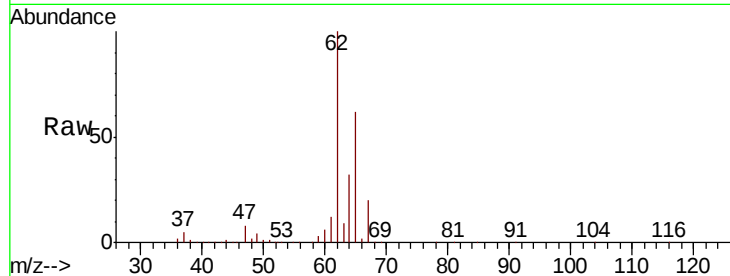
VSTD02033

Tot Ion: 62 Resp: 232731

Ion Ratio Lower Upper

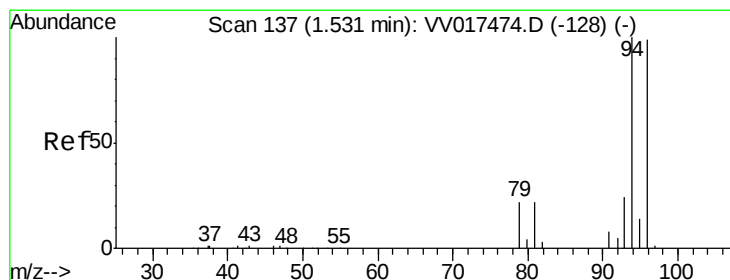
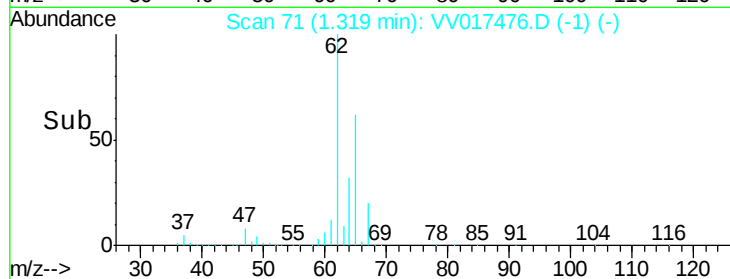
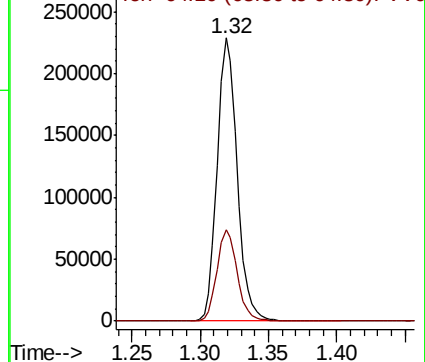
62 100

64 32.5 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 24.242 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017476.D

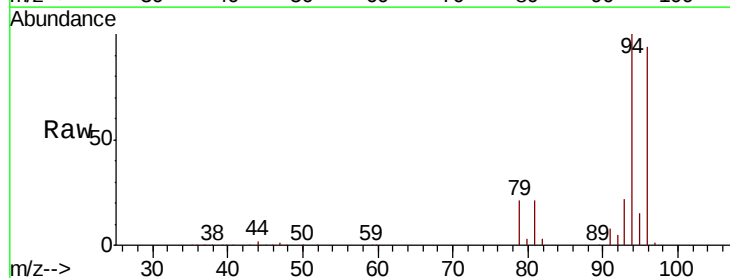
Acq: 14 Jul 2020 11:06

Tgt Ion: 94 Resp: 143187

Ion Ratio Lower Upper

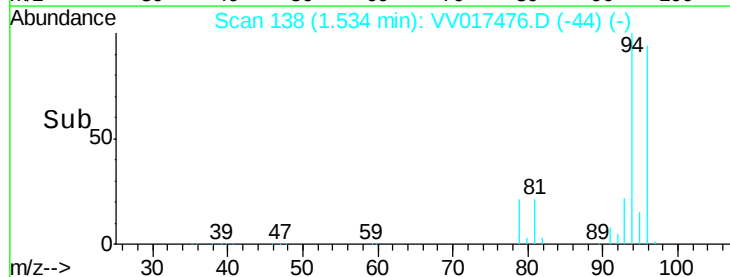
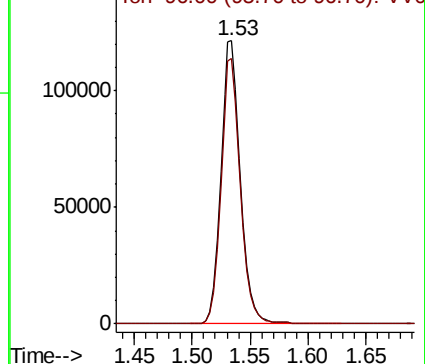
94 100

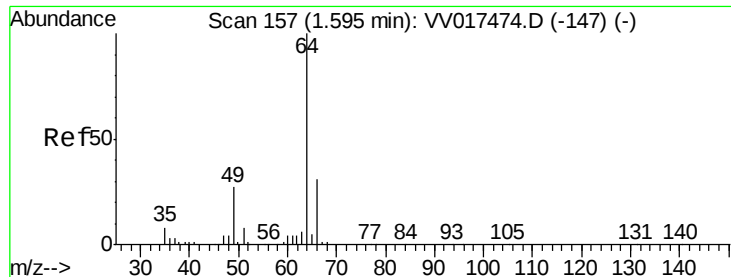
96 93.7 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 23.059 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

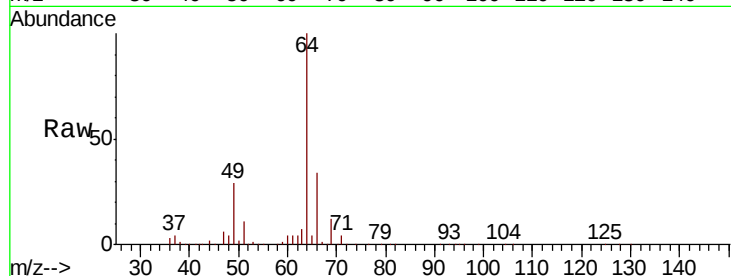
VSTD02033

Tot Ion: 64 Resp: 129765

Ion Ratio Lower Upper

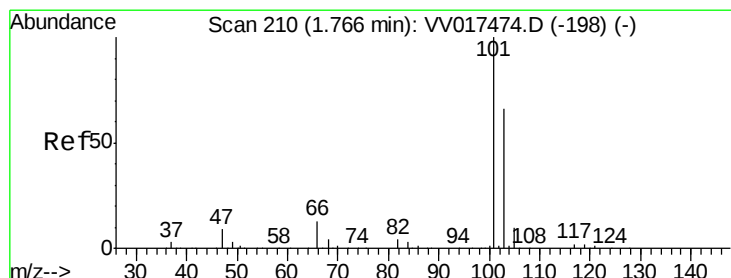
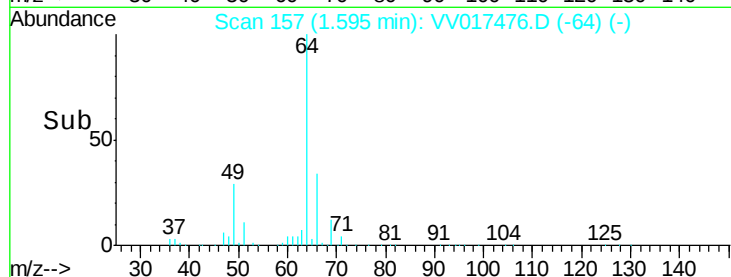
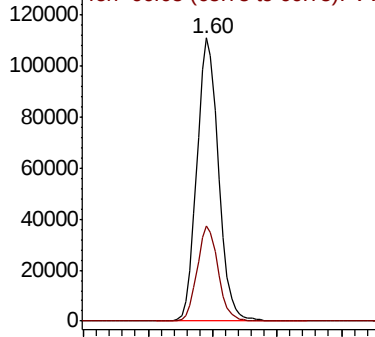
64 100

66 33.6 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0



#9

Trichlorofluoromethane

Concen: 25.397 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV017476.D

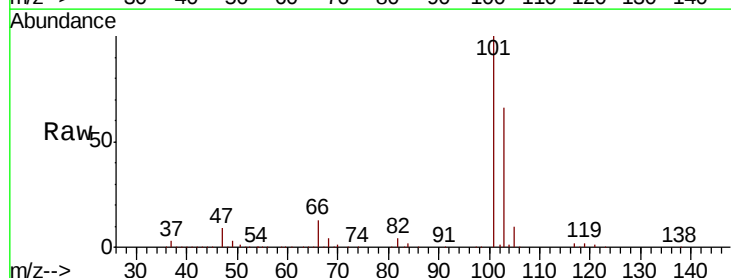
Acq: 14 Jul 2020 11:06

Tgt Ion:101 Resp: 426581

Ion Ratio Lower Upper

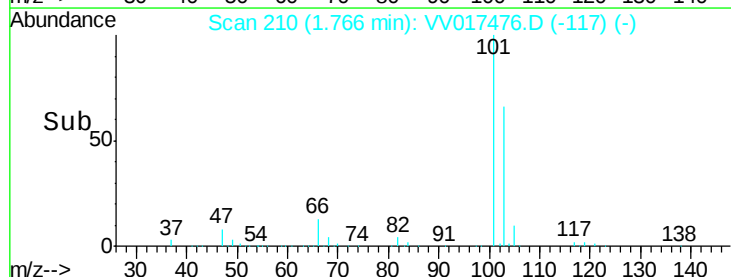
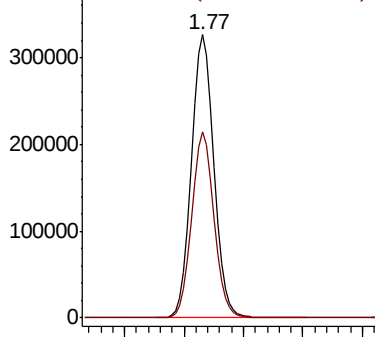
101 100

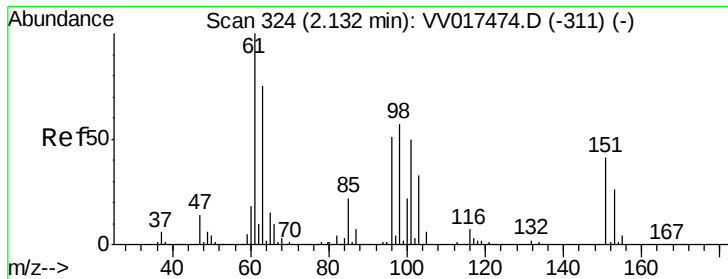
103 65.1 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 23.345 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

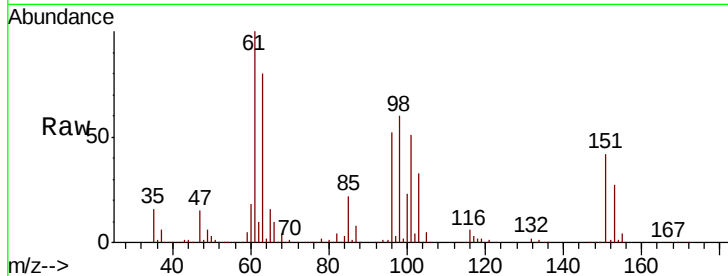
Tot Ion:101 Resp: 190760

Ion Ratio Lower Upper

101 100

85 45.7 35.4 53.2

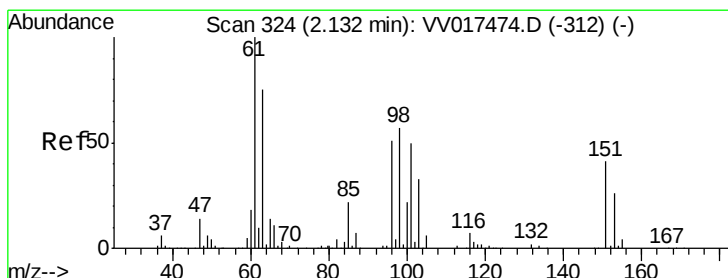
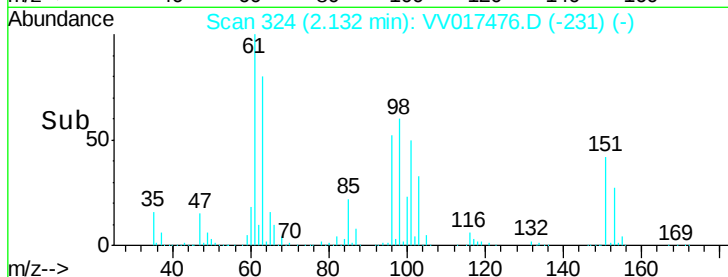
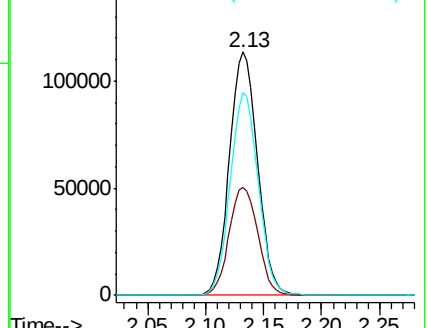
151 83.3 66.5 99.7



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: 23.578 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

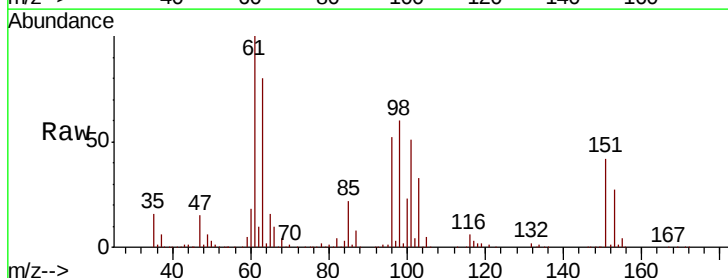
Tgt Ion: 96 Resp: 173701

Ion Ratio Lower Upper

96 100

61 192.5 137.2 254.8

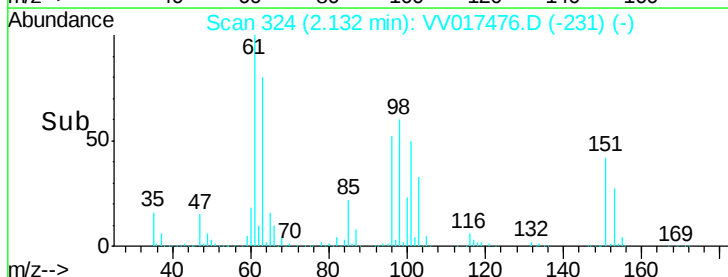
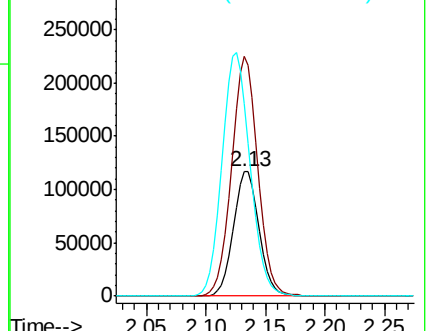
63 154.8 103.6 192.4

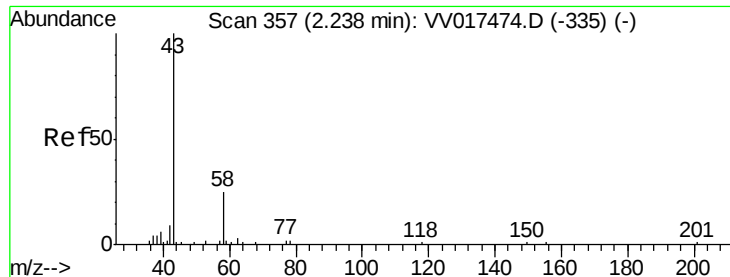


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 225.391 ug/L

RT: 2.24 min Scan# 356

Delta R.T. -0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

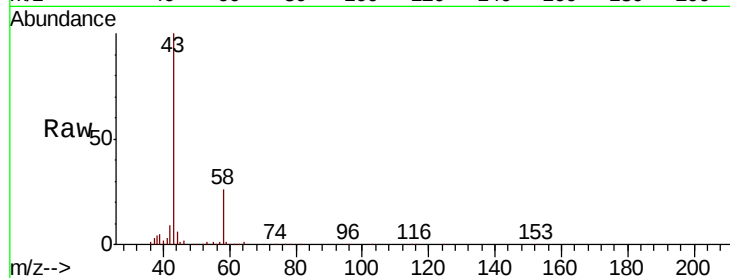
VSTD02033

Tot Ion: 43 Resp: 259218

Ion Ratio Lower Upper

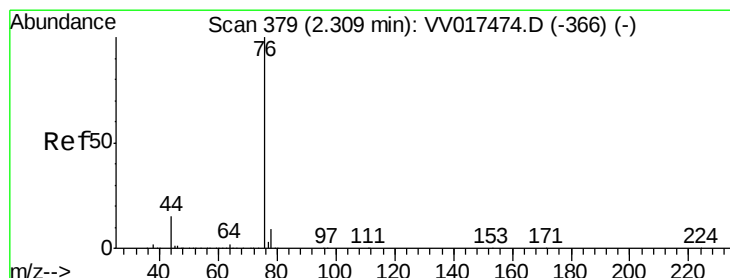
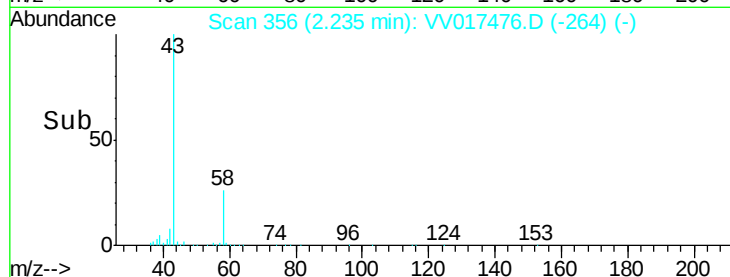
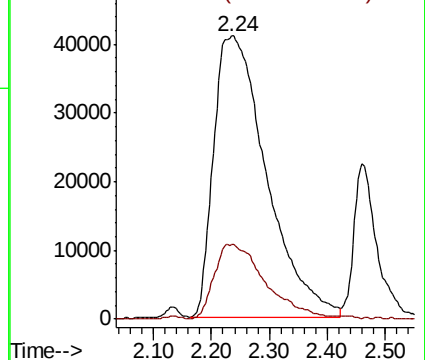
43 100

58 8.3 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 24.341 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017476.D

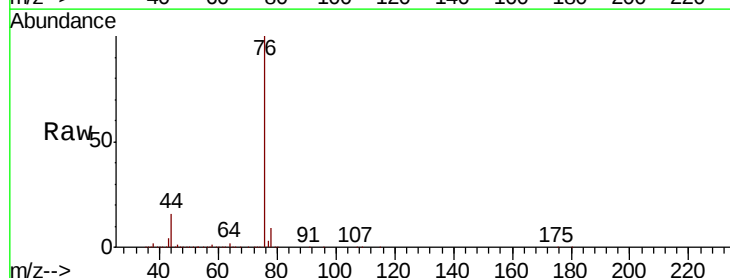
Acq: 14 Jul 2020 11:06

Tgt Ion: 76 Resp: 547416

Ion Ratio Lower Upper

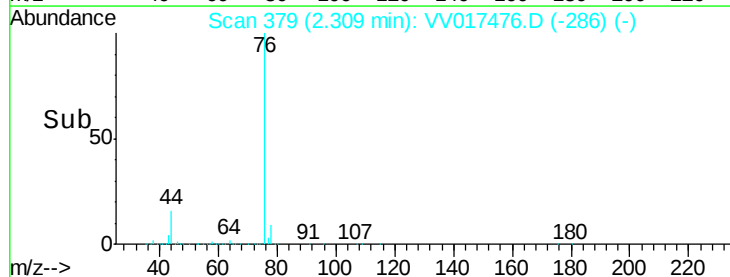
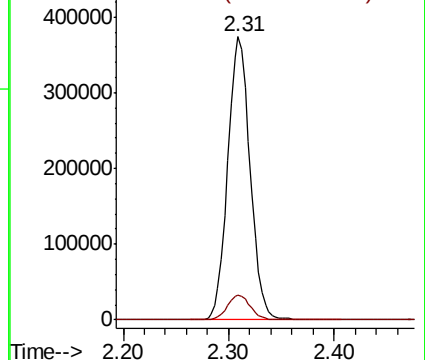
76 100

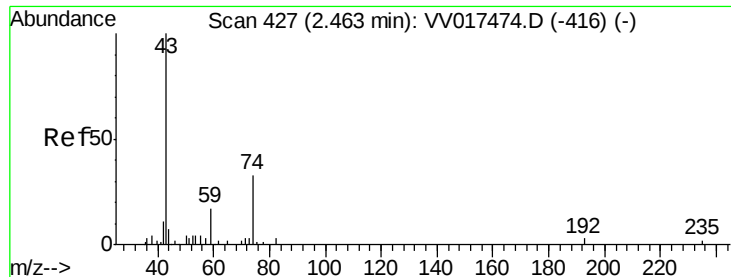
78 8.7 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0





#15

Methyl Acetate

Concen: 22.581 ug/L

RT: 2.46 min Scan# 426

Delta R.T. -0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampled :

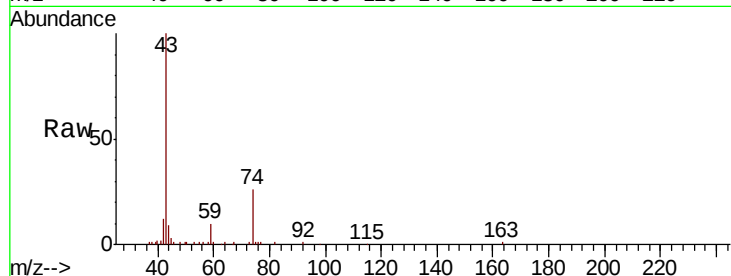
VSTD02033

Tot Ion: 43 Resp: 60103

Ion Ratio Lower Upper

43 100

74 26.4 20.5 30.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

25000

20000

15000

10000

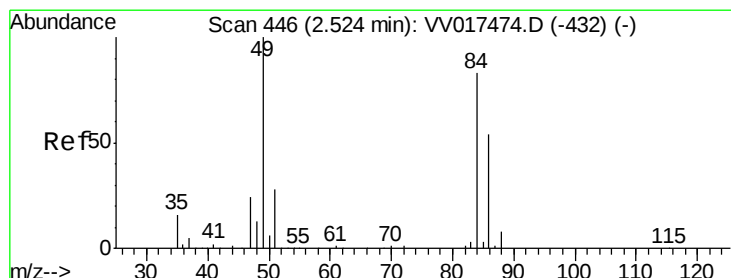
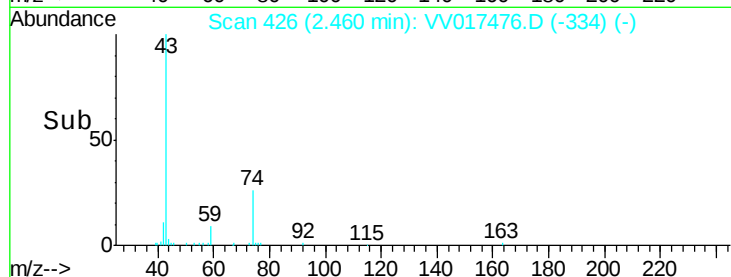
5000

0

2.46

2.40 2.50 2.60

Time-->



#16

Methylene chloride

Concen: 21.376 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

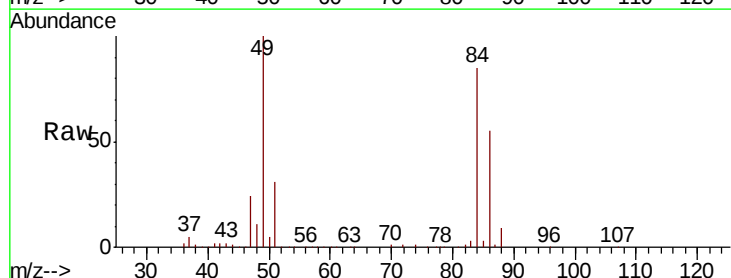
Tgt Ion: 84 Resp: 169066

Ion Ratio Lower Upper

84 100

86 64.3 45.5 84.5

49 117.5 84.6 157.0



Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

150000

100000

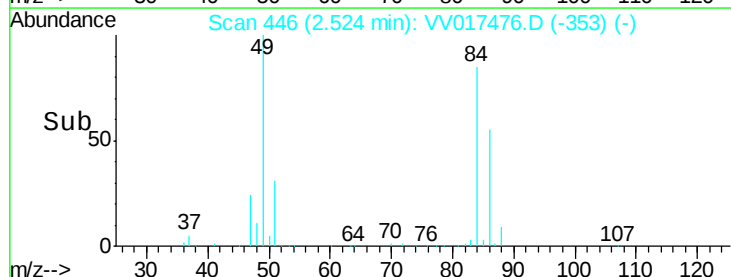
50000

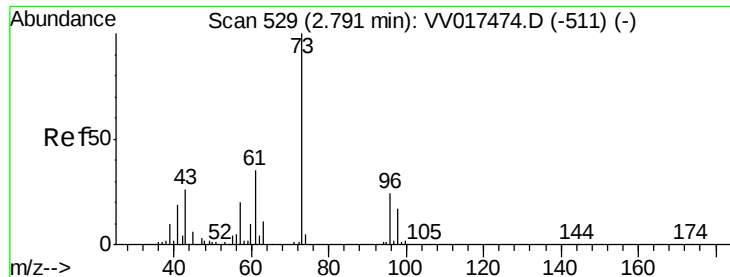
0

2.52

2.45 2.50 2.55 2.60

Time-->

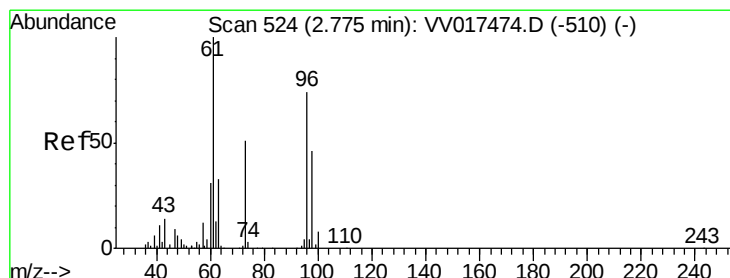
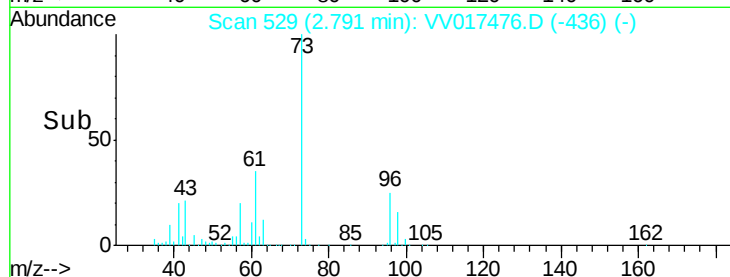
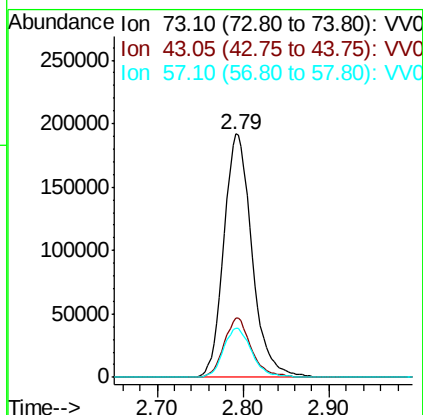
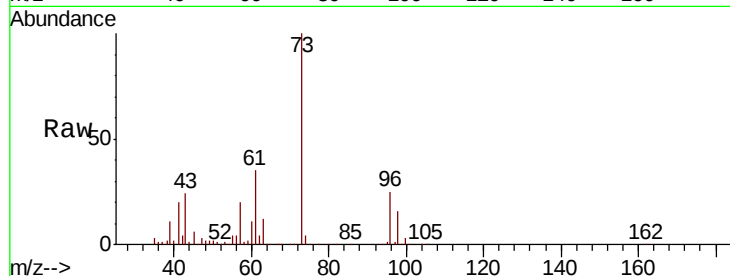




#17
Methvl tert-butvl Ether
Concen: 23.634 ug/L
RT: 2.79 min Scan# 529
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

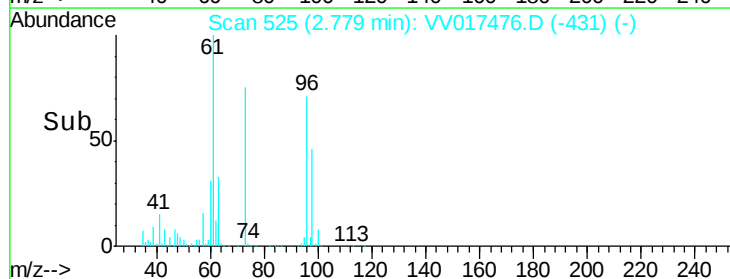
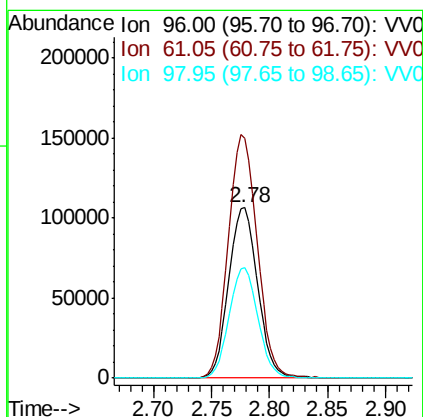
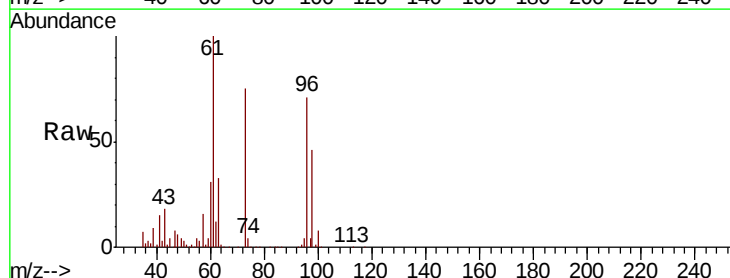
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

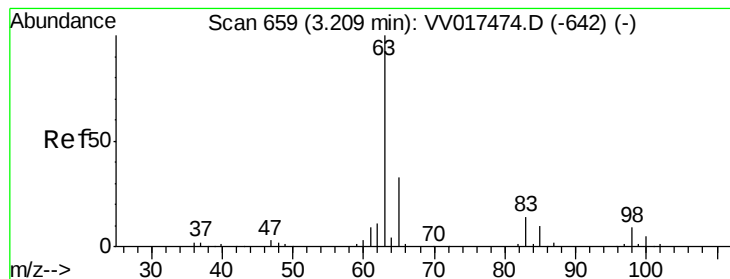
Tot Ion: 73 Resp: 436949
Ion Ratio Lower Upper
73 100
43 23.4 20.4 30.6
57 20.2 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 23.307 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Tgt Ion: 96 Resp: 184551
Ion Ratio Lower Upper
96 100
61 141.1 95.1 176.7
98 64.9 43.5 80.7





#19

1,1-Dichloroethane

Concen: 21.129 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

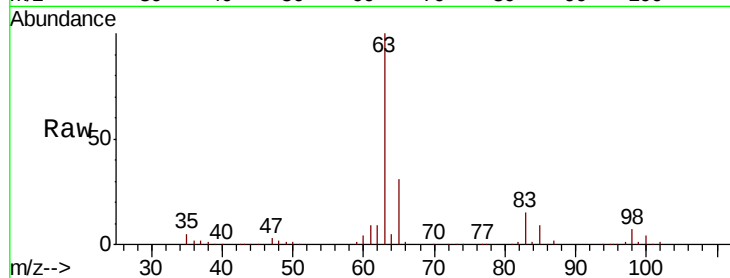
Tot Ion: 63 Resp: 361214

Ion Ratio Lower Upper

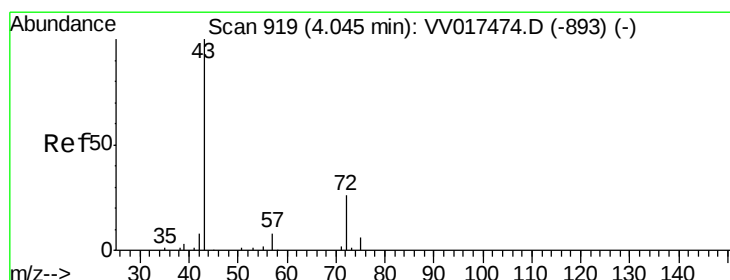
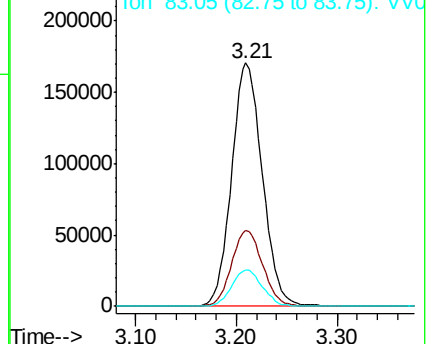
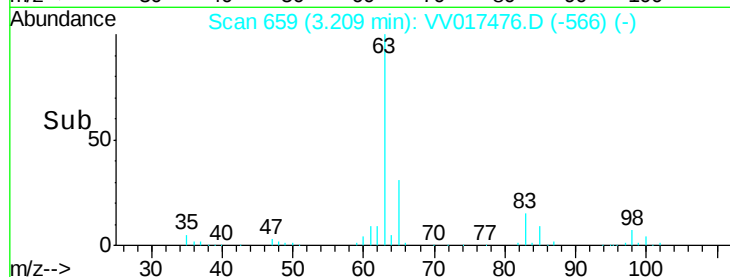
63 100

65 31.1 23.2 43.0

83 15.1 10.1 18.7



Abundance Ion 63.10 (62.80 to 63.80): VV017476.D (-566) (-)



#21

2-Butanone

Concen: 194.827 ug/L

RT: 4.03 min Scan# 915

Delta R.T. -0.01 min

Lab File: VV017476.D

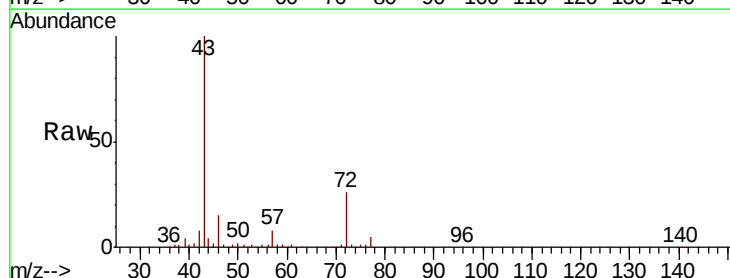
Acq: 14 Jul 2020 11:06

Tgt Ion: 43 Resp: 408601

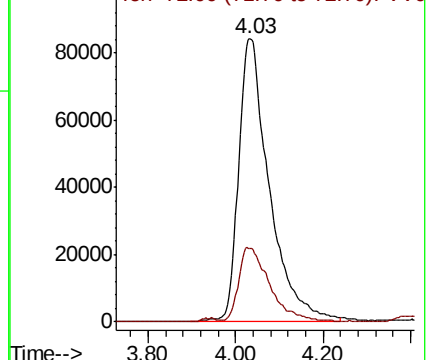
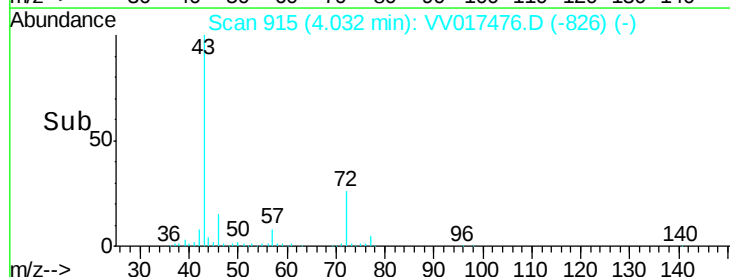
Ion Ratio Lower Upper

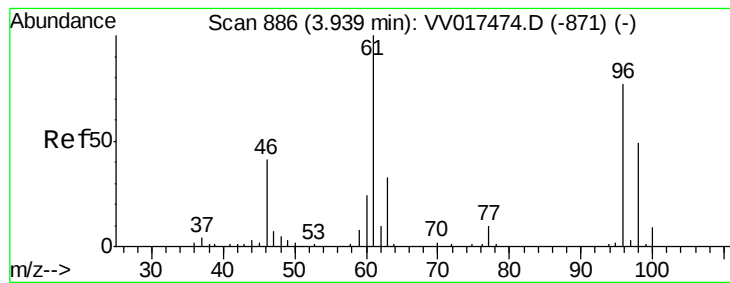
43 100

72 25.7 3.4 10.1#



Abundance Ion 43.00 (42.70 to 43.70): VV017476.D (-826) (-)



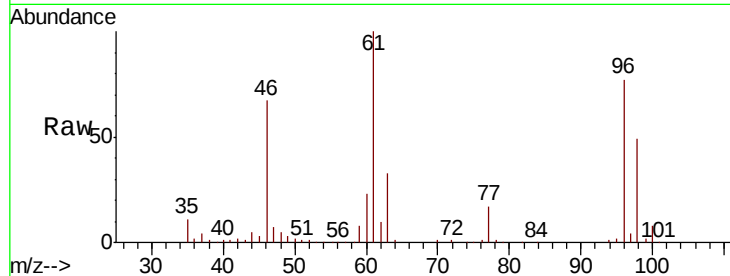


#22

cis-1,2-Dichloroethene
 Concen: 20.062 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tot Ion	96	Resp	205010
Ion	Ratio	Lower	Upper
96	100		
61	130.6	91.5	169.9
68	0.0	0.0	0.0

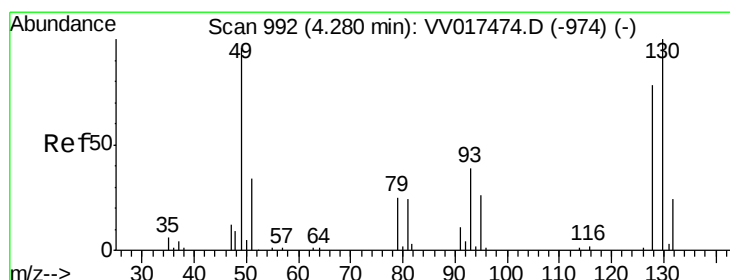
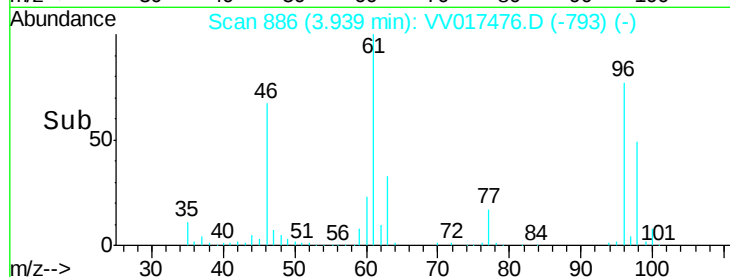
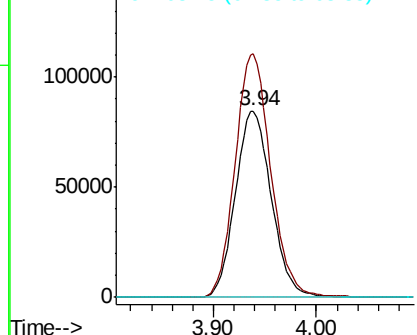


Abundance

Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

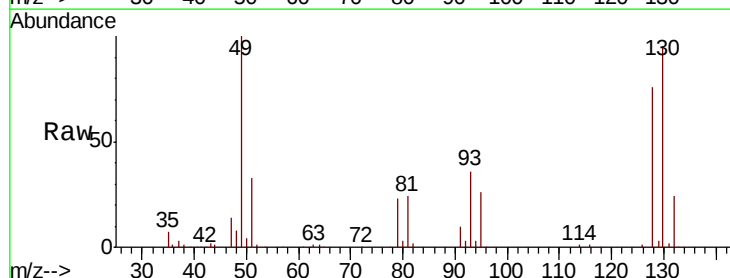
Ion 68.15 (67.85 to 68.85): VV0



#23

Bromochloromethane
 Concen: 21.255 ug/L
 RT: 4.27 min Scan# 990
 Delta R.T. -0.01 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Tgt Ion	128	Resp	94256
Ion	Ratio	Lower	Upper
128	100		
49	131.5	86.0	159.6
130	124.6	89.7	166.5
51	42.9	34.7	52.1



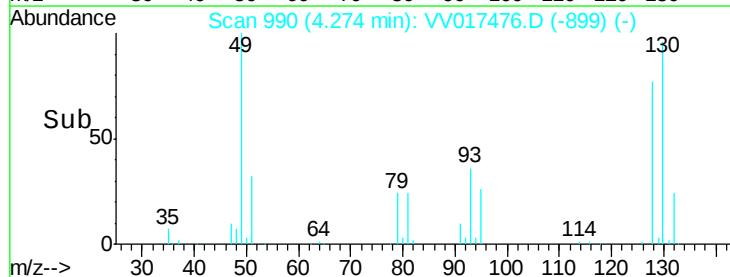
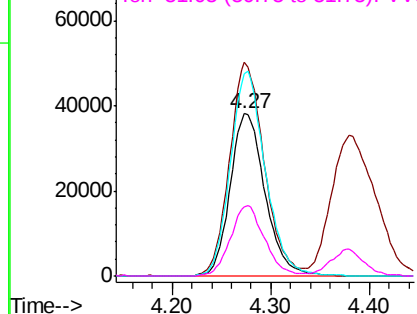
Abundance

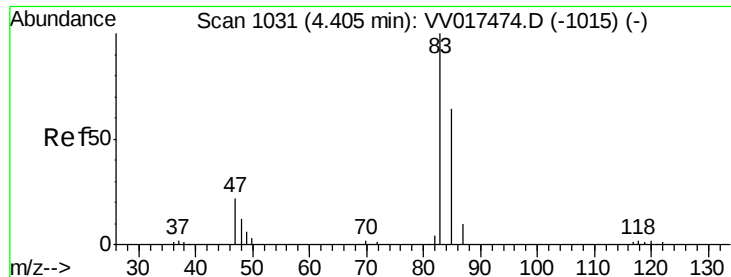
Ion 127.90 (127.60 to 128.60): V

Ion 49.10 (48.80 to 49.80): VV0

Ion 129.95 (129.65 to 130.65): V

Ion 51.05 (50.75 to 51.75): VV0

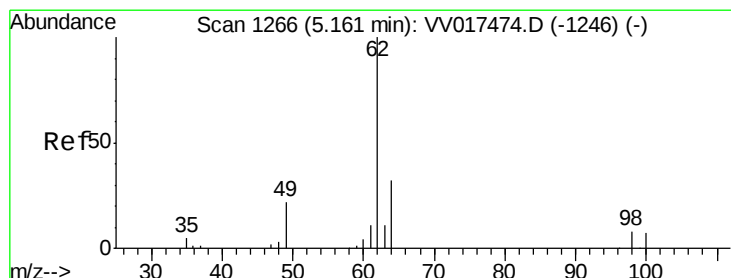
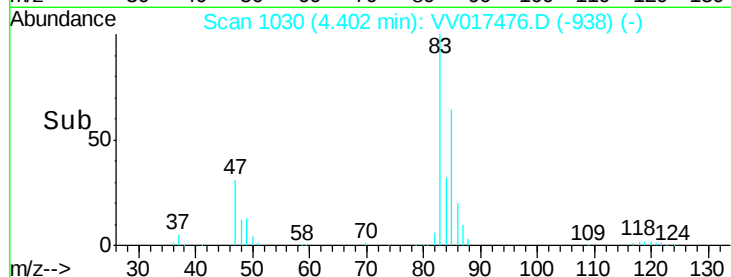
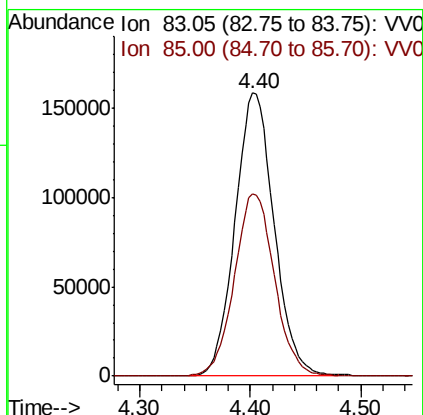
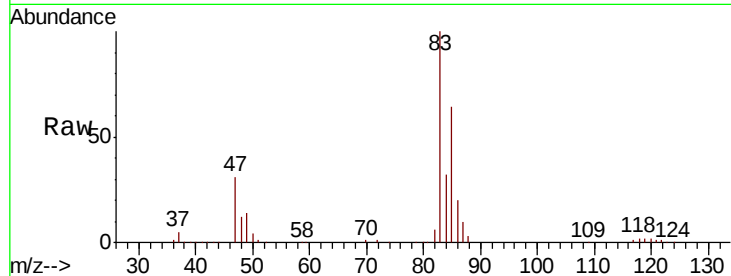




#25
Chloroform
Concen: 20.887 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

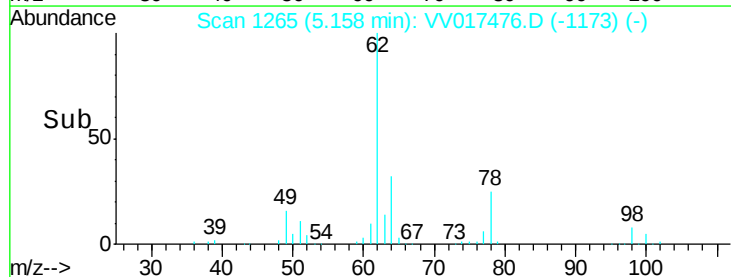
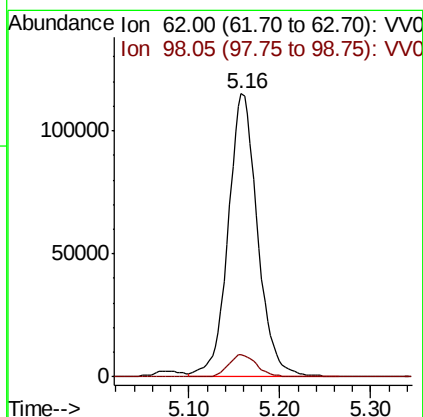
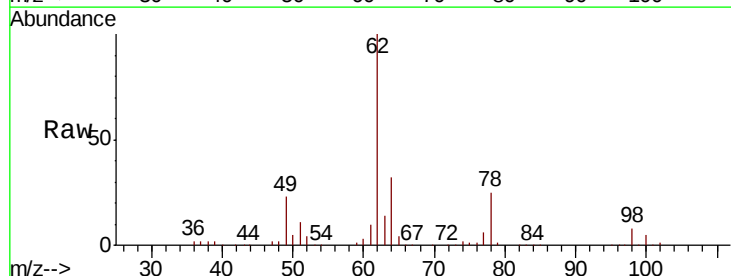
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

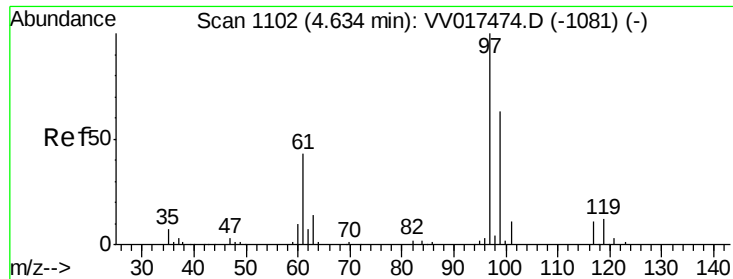
Tot Ion: 83 Resp: 388861
Ion Ratio Lower Upper
83 100
85 64.4 45.4 84.4



#27
1,2-Dichloroethane
Concen: 21.834 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Tgt Ion: 62 Resp: 256963
Ion Ratio Lower Upper
62 100
98 7.7 6.2 9.2

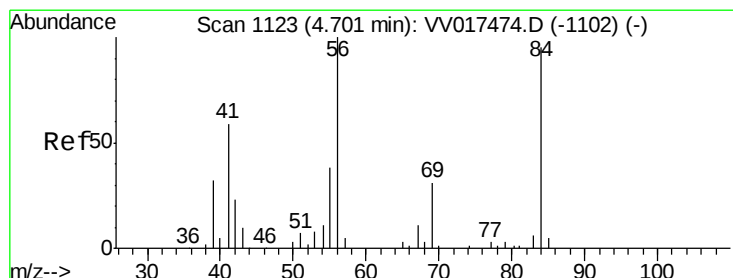
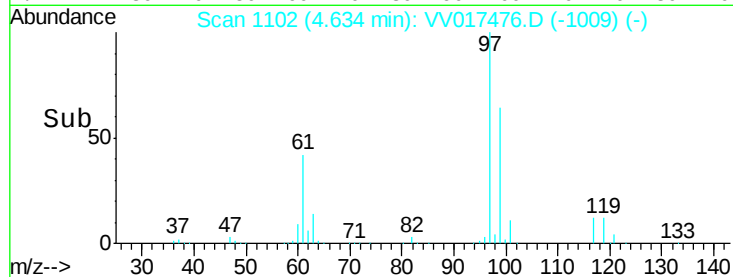
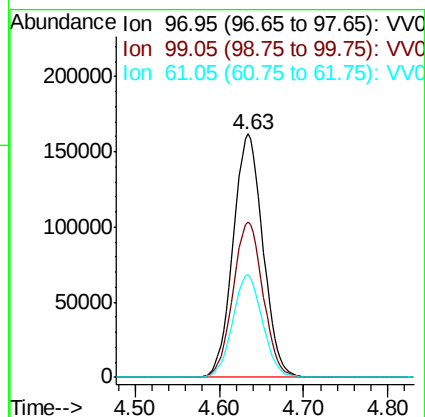
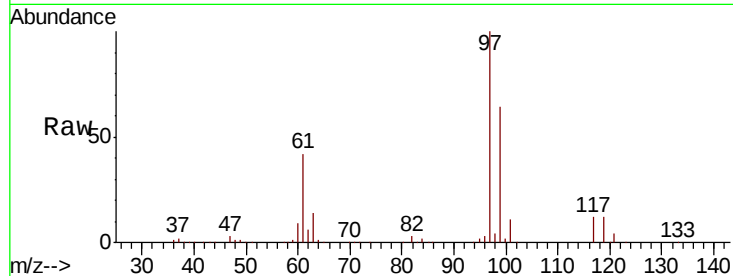




#29
 1,1,1-Trichloroethane
 Concen: 22.712 ug/L
 RT: 4.63 min Scan# 1102
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

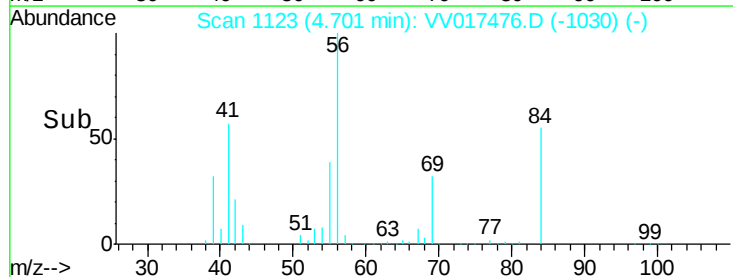
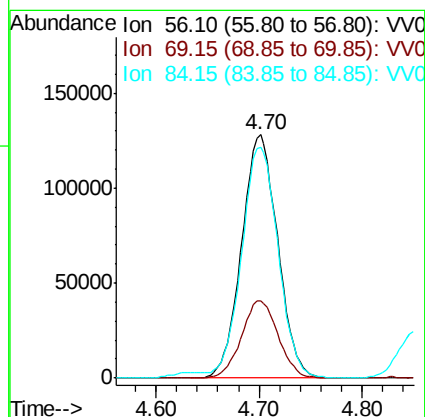
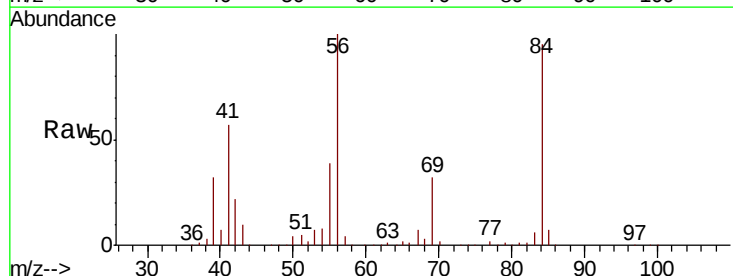
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

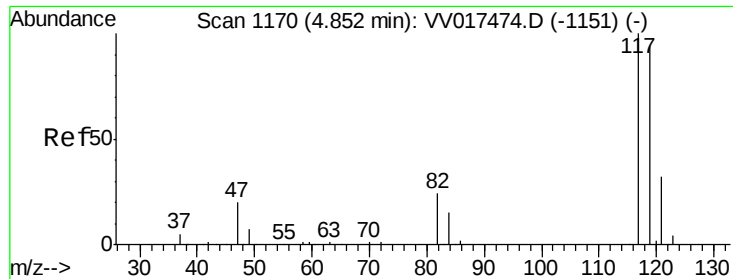
Tot Ion: 97 Resp: 398508
 Ion Ratio Lower Upper
 97 100
 99 64.3 49.1 73.7
 61 42.1 34.3 51.5



#30
 Cyclohexane
 Concen: 19.536 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Tgt Ion: 56 Resp: 311476
 Ion Ratio Lower Upper
 56 100
 69 32.3 26.0 39.0
 84 96.5 77.9 116.9





#31

Carbon tetrachloride

Concen: 23.201 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

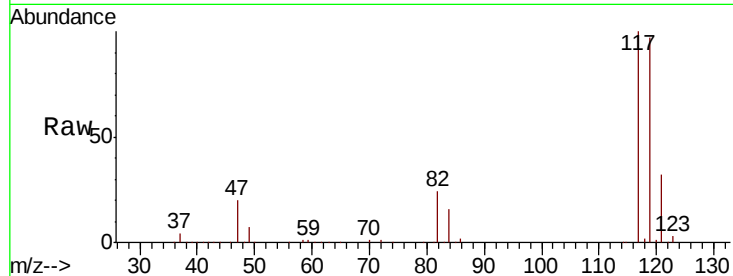
VSTD02033

Tot Ion:117 Resp: 369421

Ion Ratio Lower Upper

117 100

119 97.7 77.6 116.4



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

150000

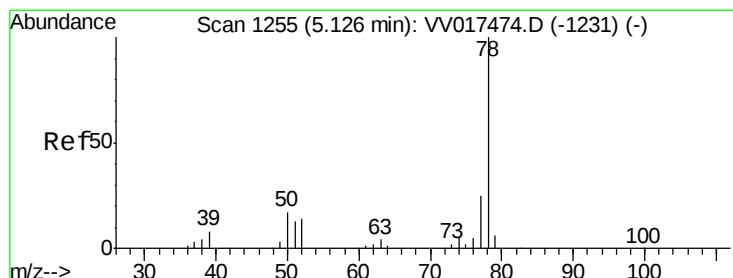
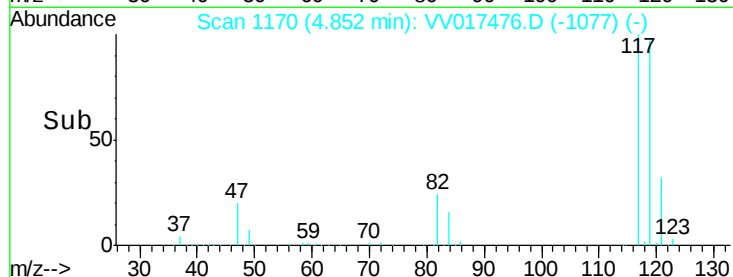
100000

50000

0

Time-->

4.80 4.90 5.00



#33

Benzene

Concen: 20.272 ug/L

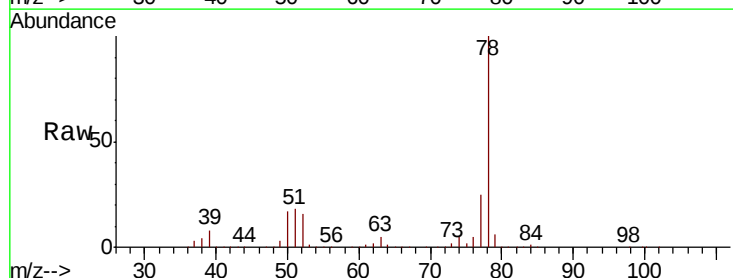
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Tgt Ion: 78 Resp: 752955



Abundance Ion 78.10 (77.80 to 78.80): VV0

400000

300000

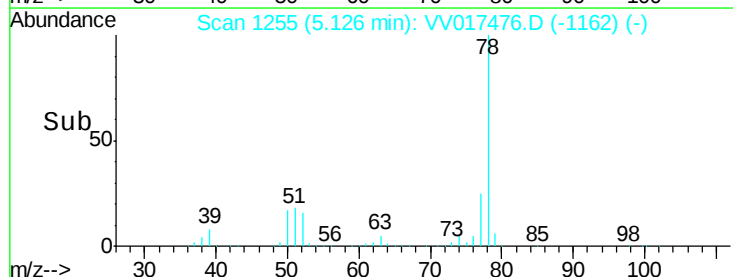
200000

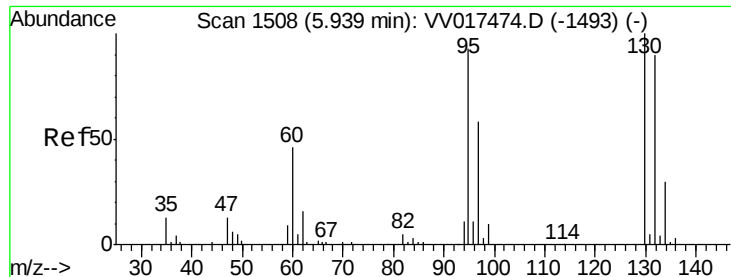
100000

0

Time-->

5.00 5.10 5.20

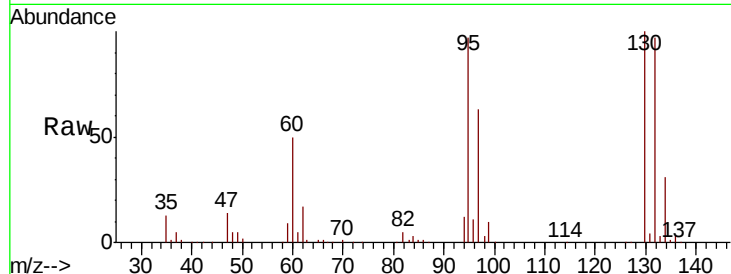




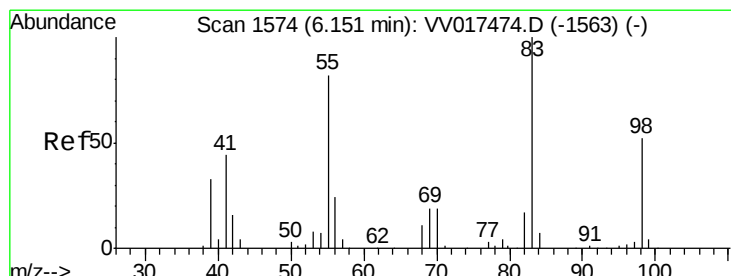
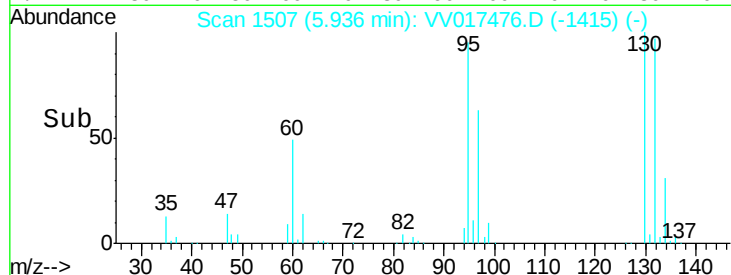
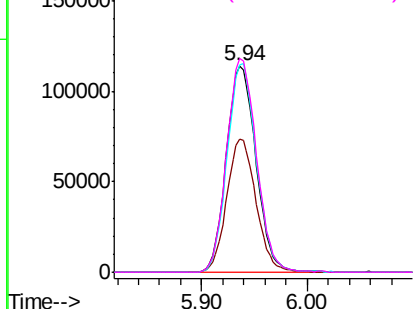
#34
 Trichloroethene
 Concen: 20.215 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tot Ion: 95 Resp: 221324
 Ion Ratio Lower Upper
 95 100
 97 64.8 43.9 81.5
 132 100.4 67.9 126.1
 130 103.4 75.2 139.6

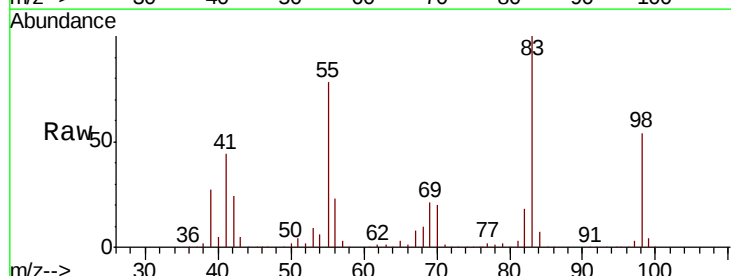


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

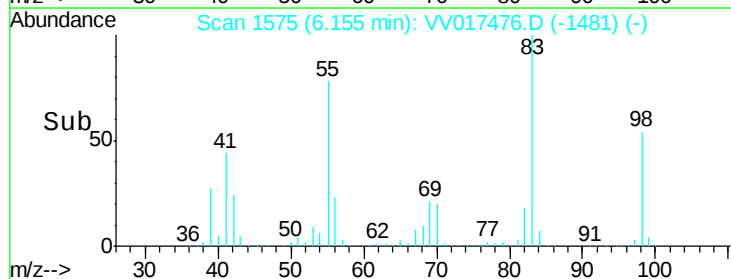
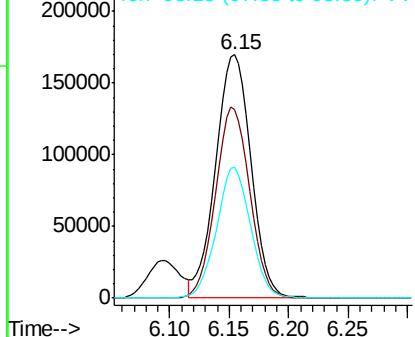


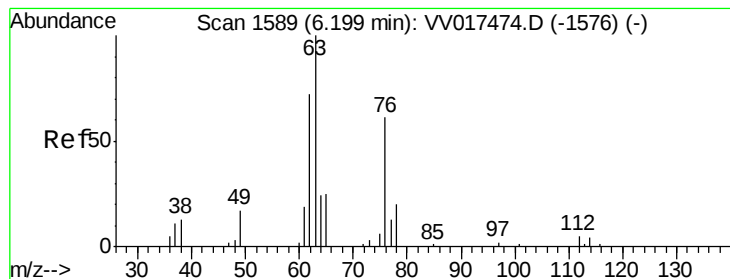
#35
 Methylcyclohexane
 Concen: 20.881 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Tgt Ion: 83 Resp: 351072
 Ion Ratio Lower Upper
 83 100
 55 76.0 62.0 93.0
 98 51.7 41.4 62.2



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: 18.977 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

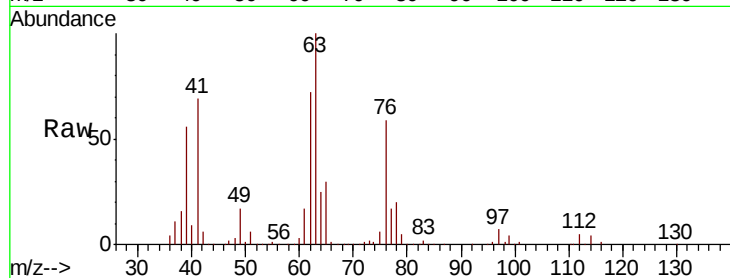
VSTD02033

Tot Ion: 63 Resp: 170250

Ion Ratio Lower Upper

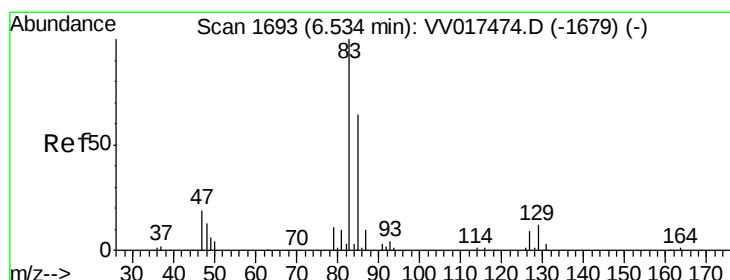
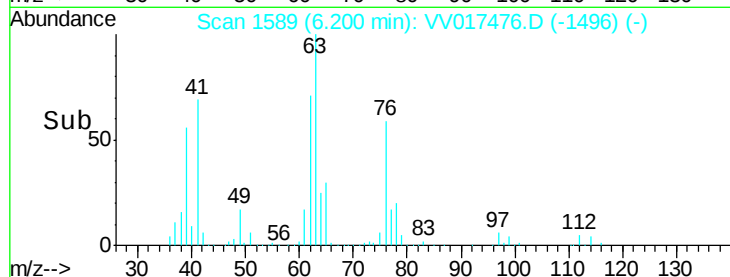
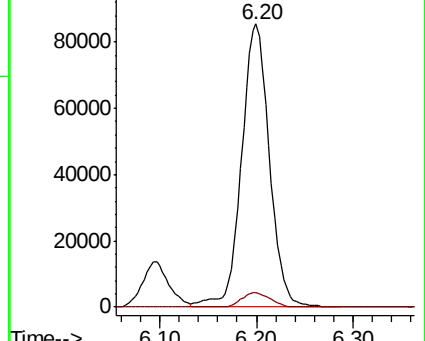
63 100

112 5.2 4.4 6.6



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V



#38

Bromodichloromethane

Concen: 21.394 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

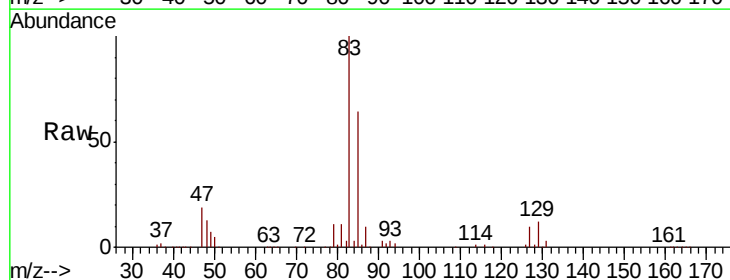
Tgt Ion: 83 Resp: 271953

Ion Ratio Lower Upper

83 100

85 64.1 45.0 83.6

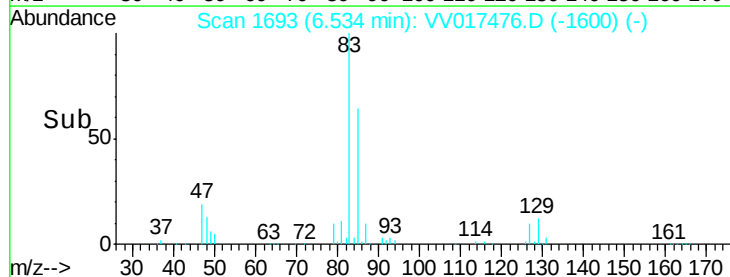
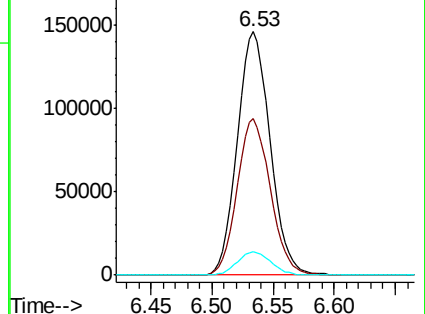
127 9.6 7.5 11.3

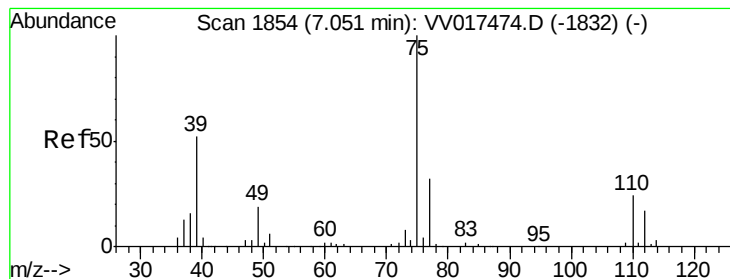


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 126.90 (126.60 to 127.60): V



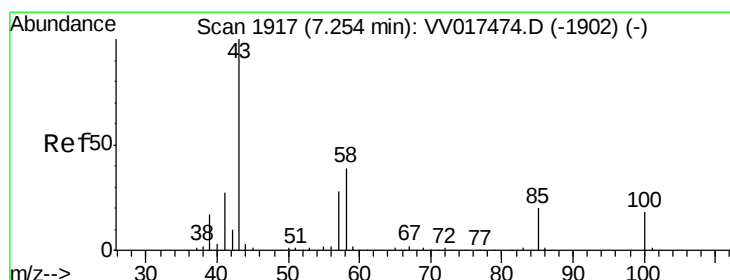
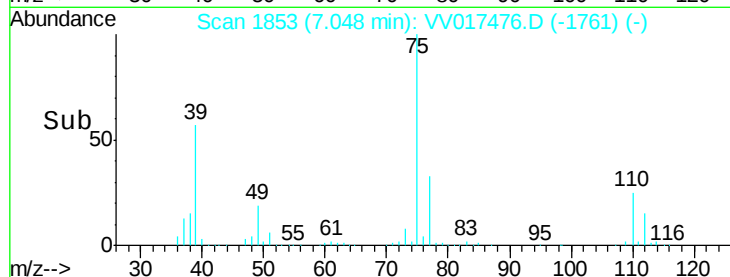
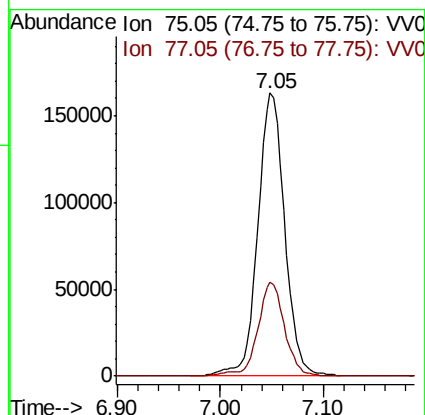
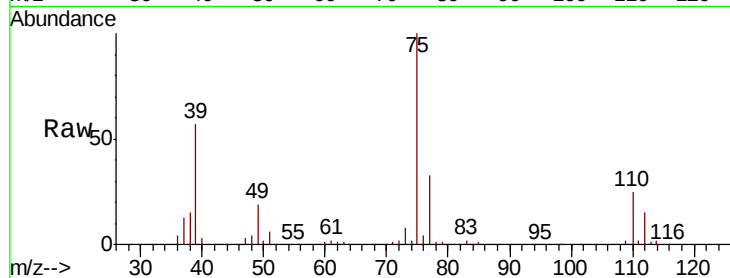


#39

cis-1,3-Dichloropropene
Concen: 21.588 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

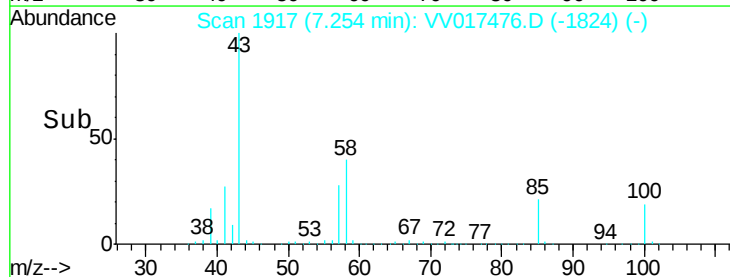
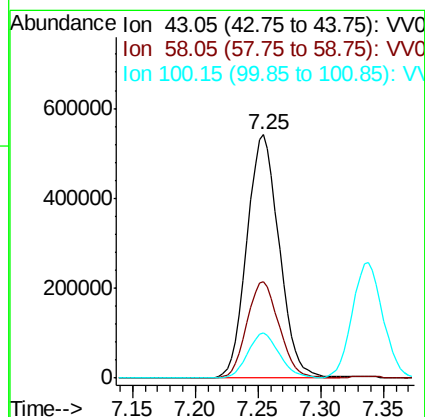
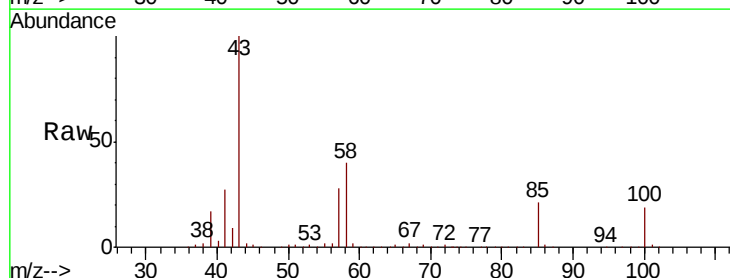
Tot Ion: 75 Resp: 294879
Ion Ratio Lower Upper
75 100
77 33.4 22.3 41.5

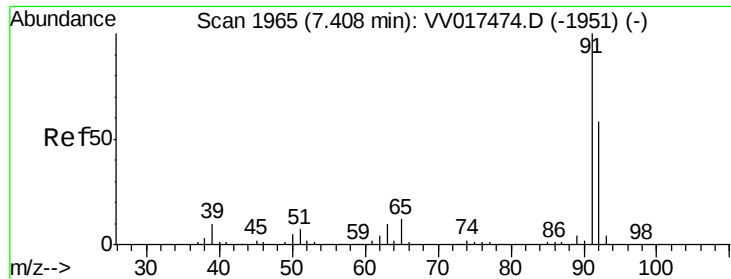


#40

4-Methyl-2-pentanone
Concen: 186.508 ug/L
RT: 7.25 min Scan# 1917
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Tgt Ion: 43 Resp: 966411
Ion Ratio Lower Upper
43 100
58 39.7 31.0 46.4
100 18.3 14.4 21.6





#42

Toluene

Concen: 19.877 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

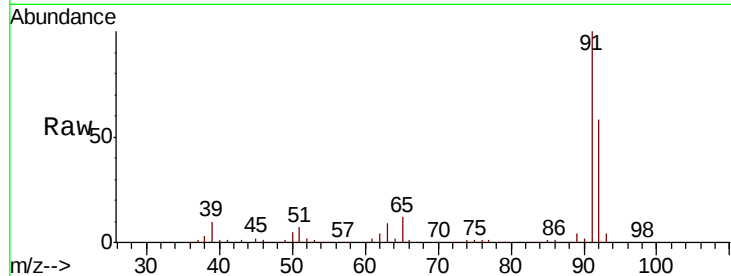
VSTD02033

Tot Ion: 91 Resp: 856685

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV017476.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV017476.D (-1872) (-)

7.41

500000

400000

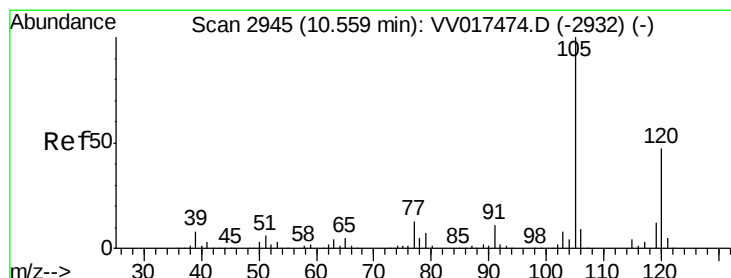
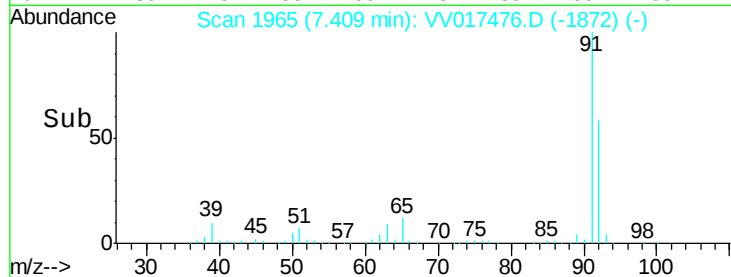
300000

200000

100000

0

Time--> 7.30 7.40 7.50



#43

1,3,5-Trimethylbenzene

Concen: 23.316 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017476.D

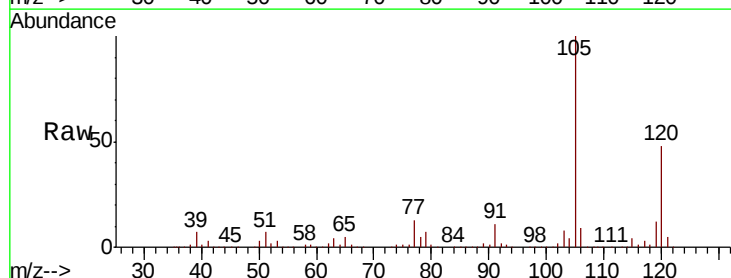
Acq: 14 Jul 2020 11:06

Tgt Ion: 105 Resp: 909023

Ion Ratio Lower Upper

105 100

120 47.4 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): VV017476.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV017476.D (-2323) (-)

10.56

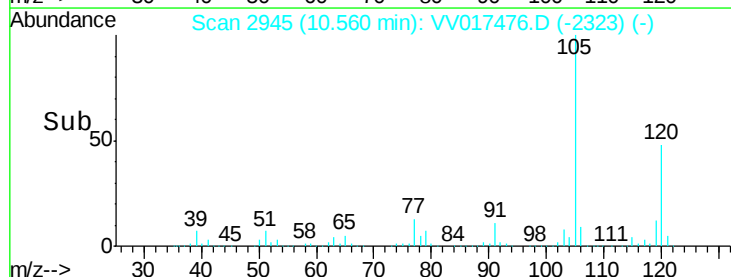
600000

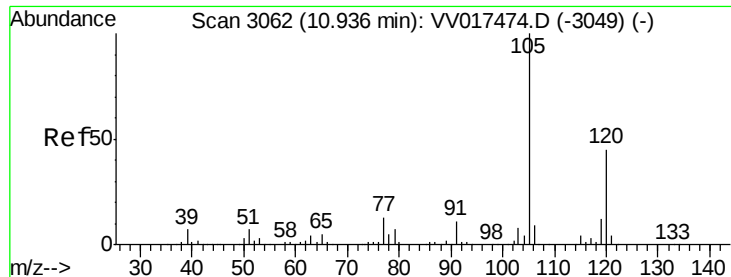
400000

200000

0

Time--> 10.50 10.60

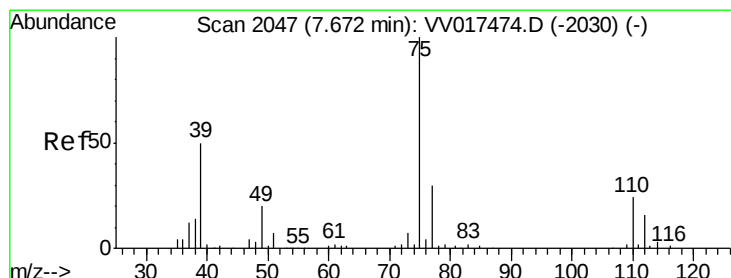
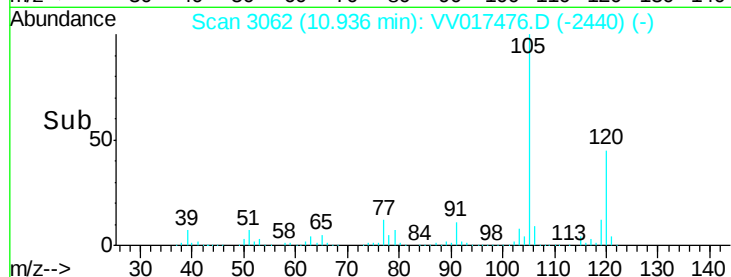
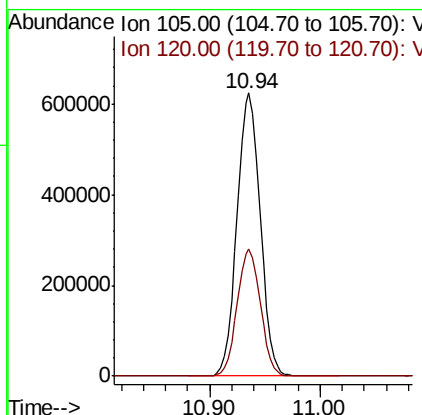
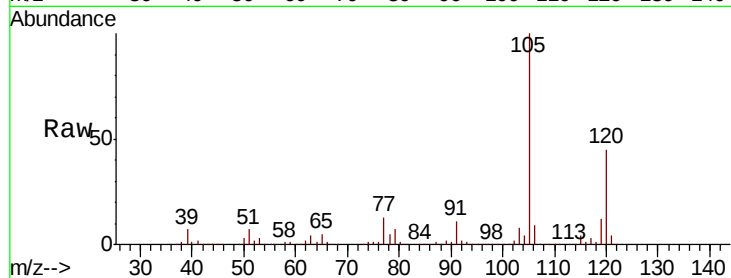




#44
 1,2,4-Trimethylbenzene
 Concen: 23.061 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

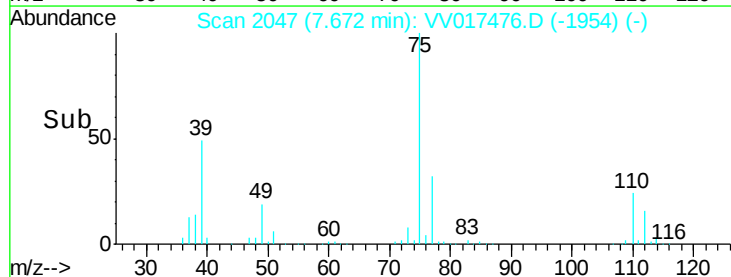
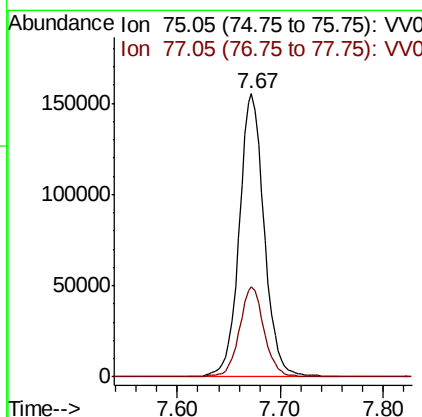
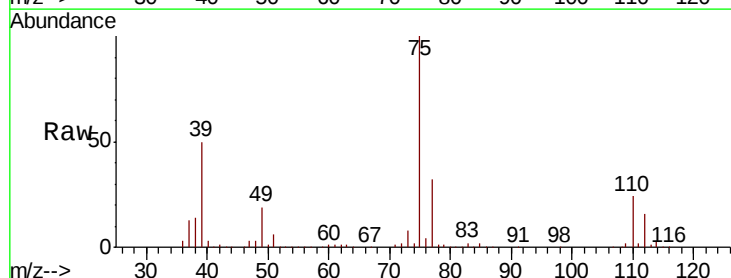
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

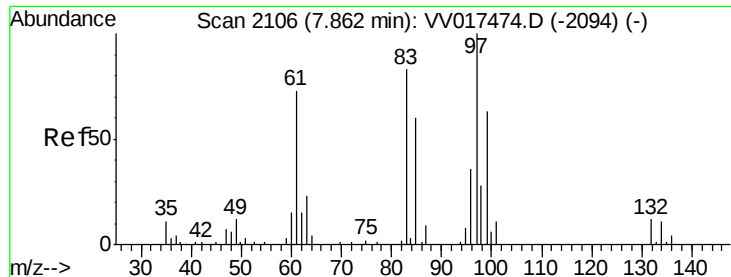
Tot Ion:105 Resp: 912198
 Ion Ratio Lower Upper
 105 100
 120 45.0 35.6 53.4



#46
 trans-1,3-Dichloropropene
 Concen: 21.862 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Tgt Ion: 75 Resp: 261359
 Ion Ratio Lower Upper
 75 100
 77 31.9 21.2 39.4

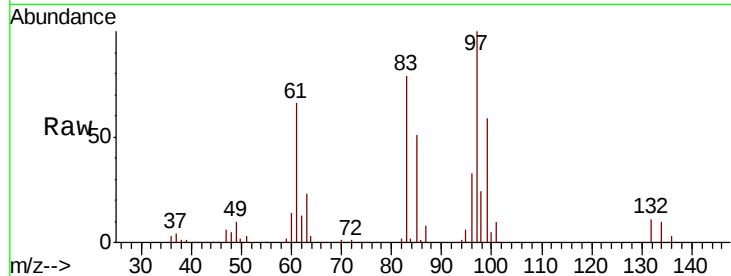




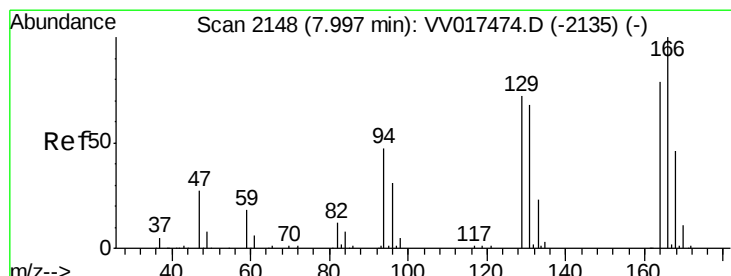
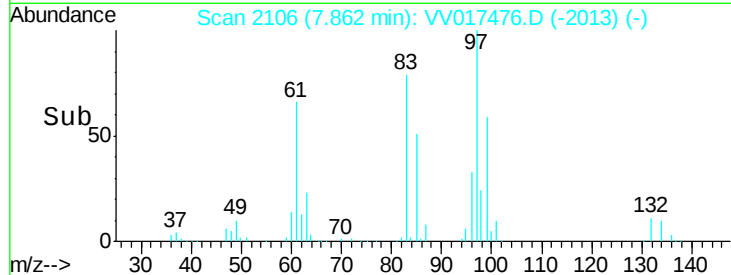
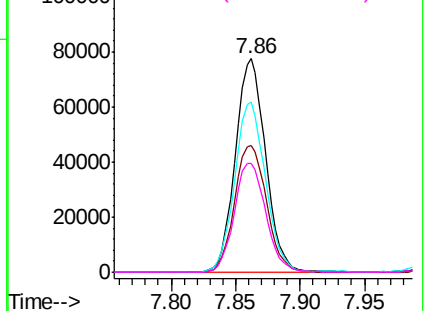
#47
 1,1,2-Trichloroethane
 Concen: 19.570 ug/L
 RT: 7.86 min Scan# 2106
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tot Ion:	97	Resp:	126669
Ion	Ratio	Lower	Upper
97	100		
99	59.4	44.0	81.6
83	79.5	57.7	107.3
85	51.1	41.9	77.9

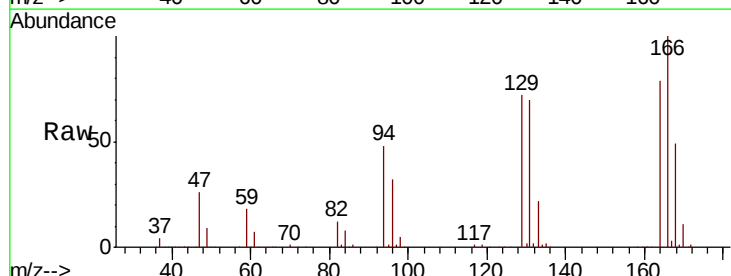


Abundance Ion 96.95 (96.65 to 97.65): VV017476.D (-2094) (-)
 Ion 99.05 (98.75 to 99.75): VV017476.D (-2094) (-)
 Ion 82.95 (82.65 to 83.65): VV017476.D (-2094) (-)
 Ion 85.00 (84.70 to 85.70): VV017476.D (-2094) (-)

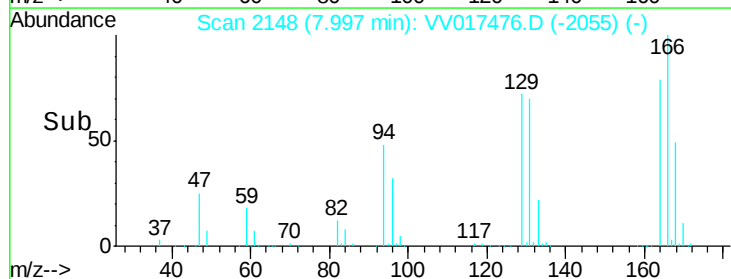
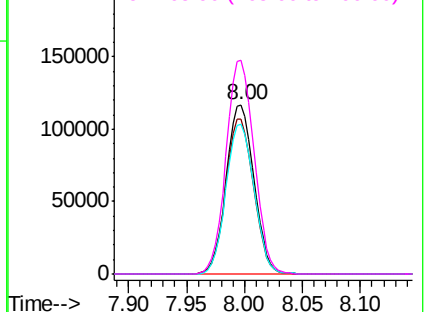


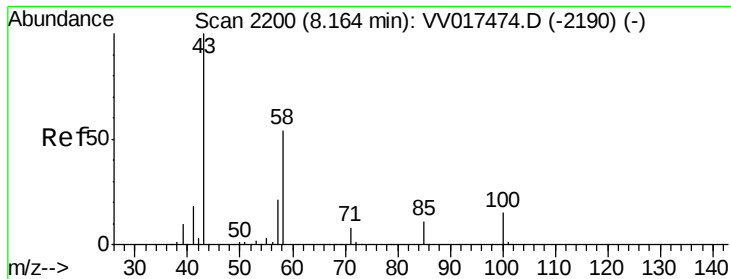
#49
 Tetrachloroethene
 Concen: 21.701 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Tgt Ion:	164	Resp:	194221
Ion	Ratio	Lower	Upper
164	100		
129	91.3	64.1	119.1
131	88.9	60.6	112.6
166	126.2	88.8	164.8



Abundance Ion 163.90 (163.60 to 164.60): VV017476.D (-2135) (-)
 Ion 128.95 (128.65 to 129.65): VV017476.D (-2135) (-)
 Ion 130.95 (130.65 to 131.65): VV017476.D (-2135) (-)
 Ion 165.90 (165.60 to 166.60): VV017476.D (-2135) (-)

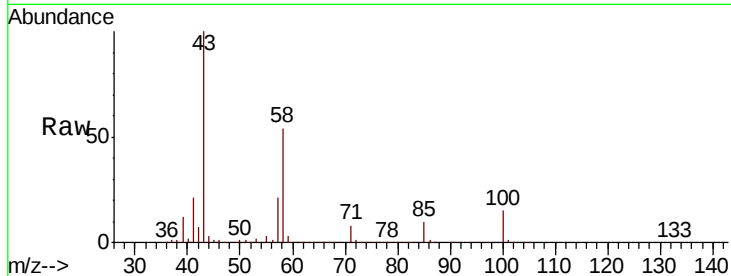




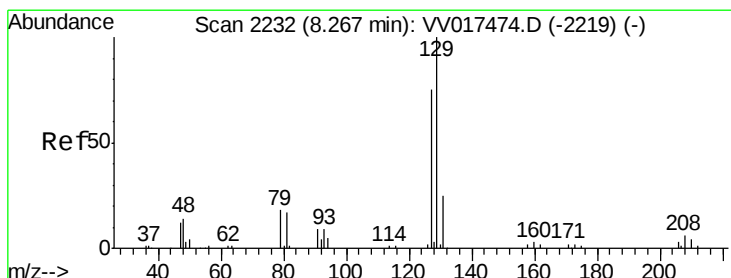
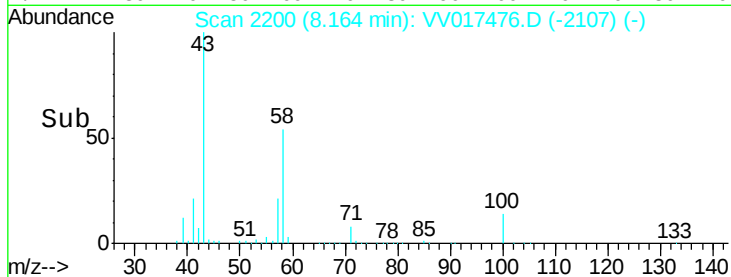
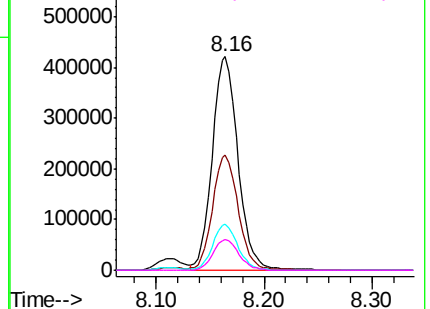
#50
2-Hexanone
Concen: 188.552 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tot Ion: 43 Resp: 694926
Ion Ratio Lower Upper
43 100
58 54.0 43.0 64.4
57 21.2 16.8 25.2
100 14.7 11.8 17.6

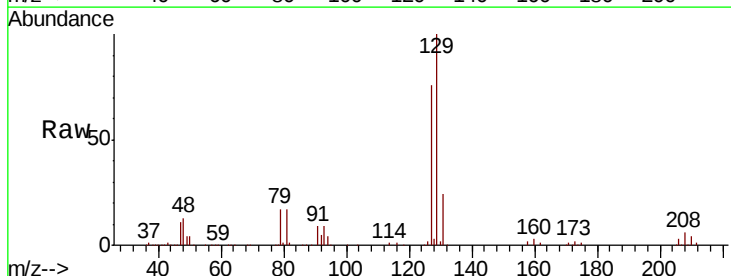


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

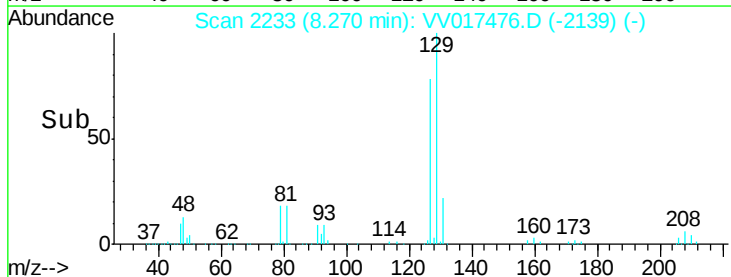
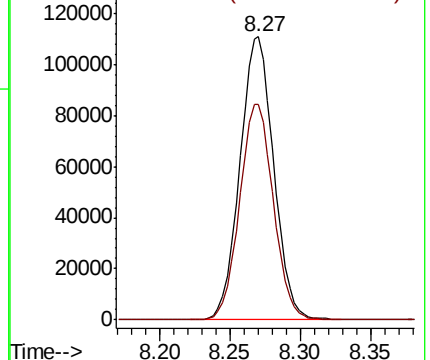


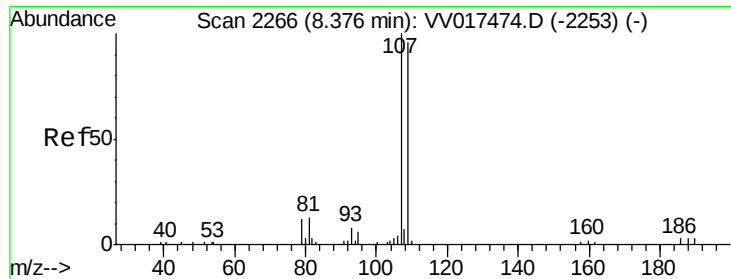
#51
Dibromochloromethane
Concen: 22.986 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Tgt Ion: 129 Resp: 186017
Ion Ratio Lower Upper
129 100
127 76.2 52.4 97.4



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





#52

1,2-Dibromoethane

Concen: 20.375 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

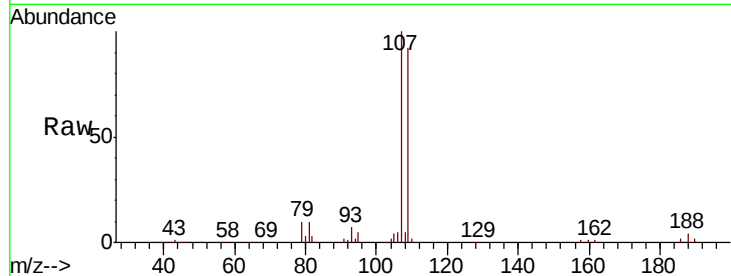
Tot Ion:107 Resp: 125923

Ion Ratio Lower Upper

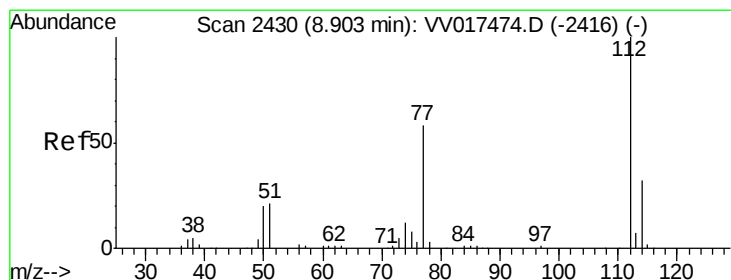
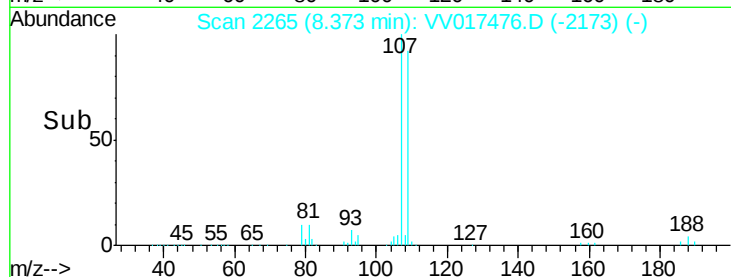
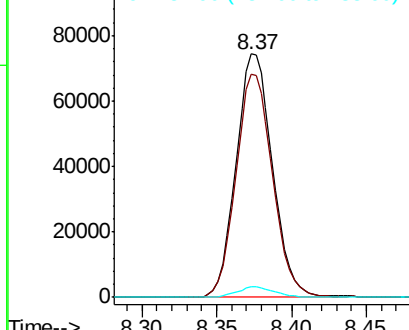
107 100

109 91.7 67.0 124.4

188 4.2 2.7 4.1#



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



#53

Chlorobenzene

Concen: 20.697 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

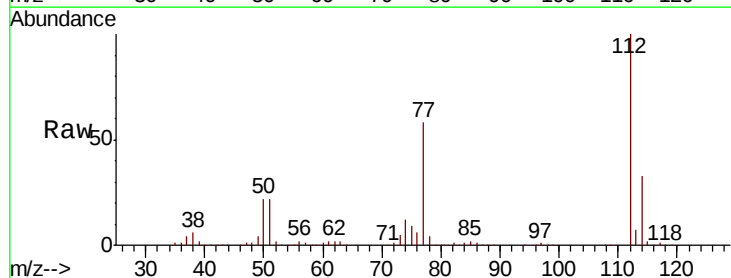
Tgt Ion:112 Resp: 560009

Ion Ratio Lower Upper

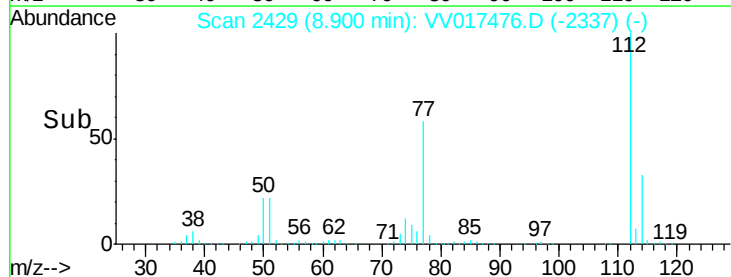
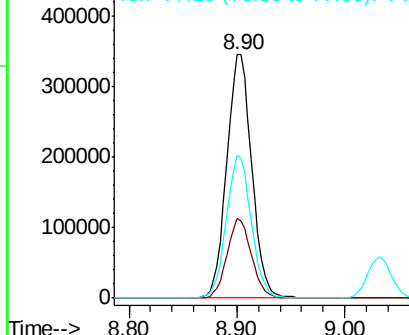
112 100

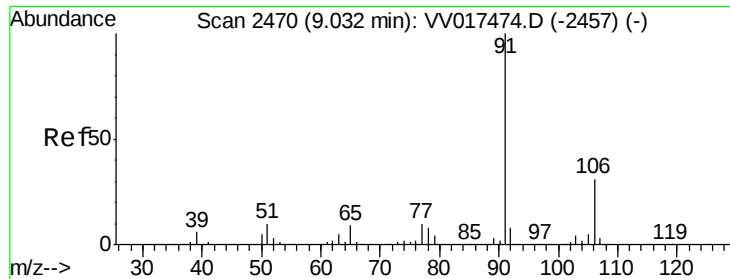
114 32.5 22.4 41.6

77 58.5 47.0 70.4



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

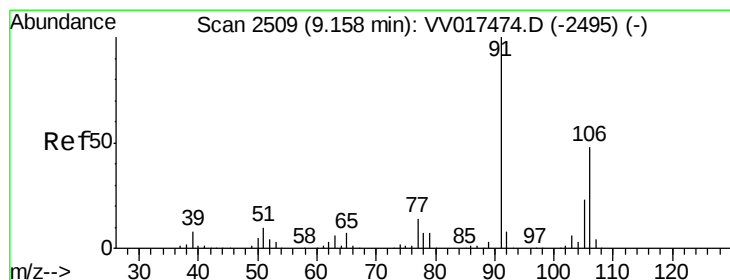
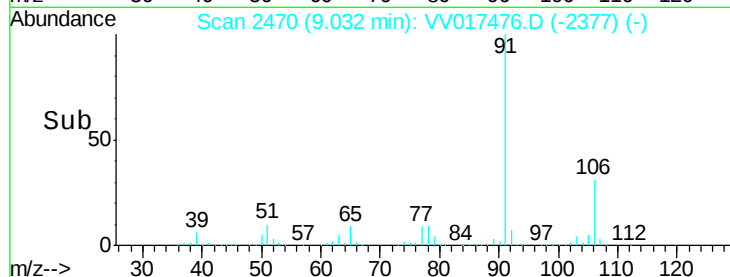
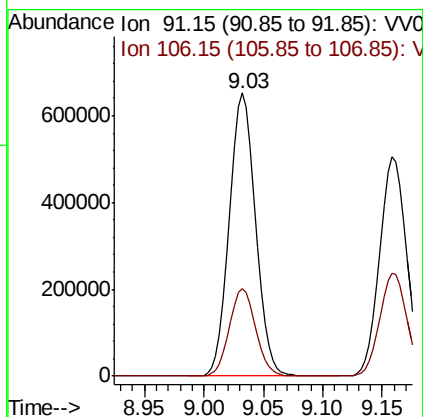
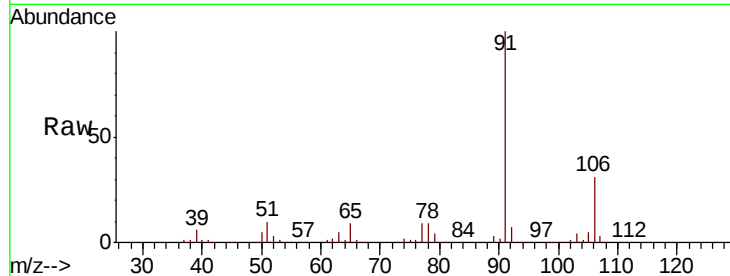




#54
Ethylbenzene
Concen: 21.655 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

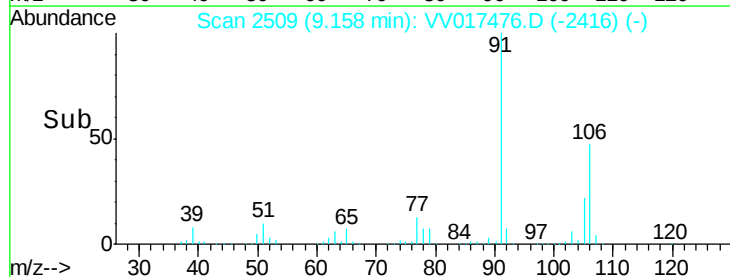
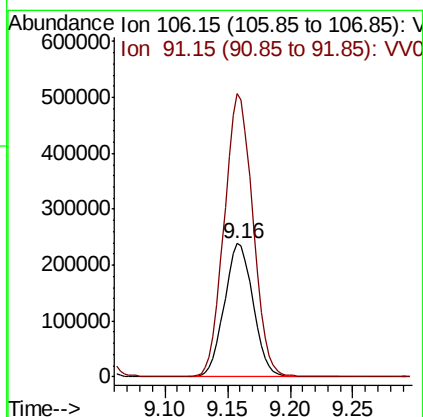
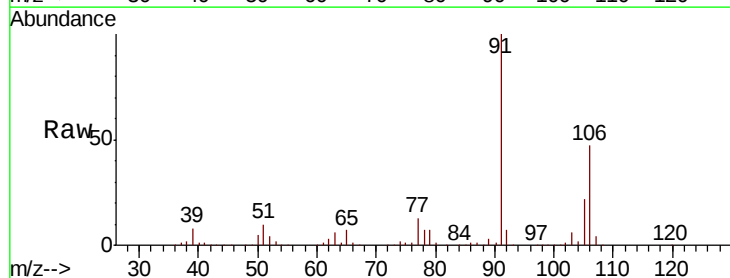
Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

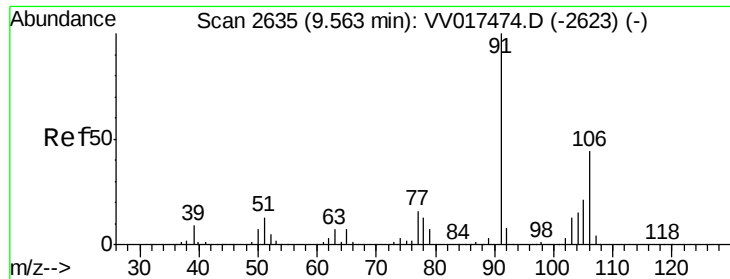
Tot Ion: 91 Resp: 999487
Ion Ratio Lower Upper
91 100
106 31.0 21.9 40.7



#55
m,p-xylene
Concen: 20.907 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Tgt Ion: 106 Resp: 378402
Ion Ratio Lower Upper
106 100
91 212.5 144.2 267.8

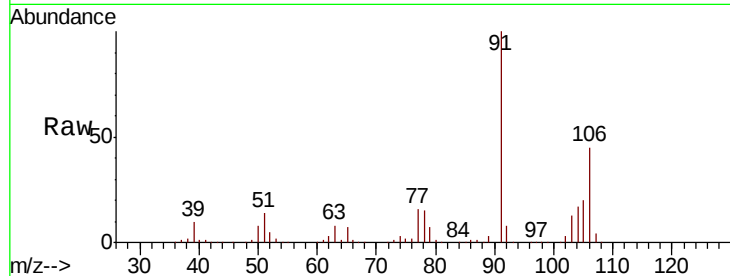




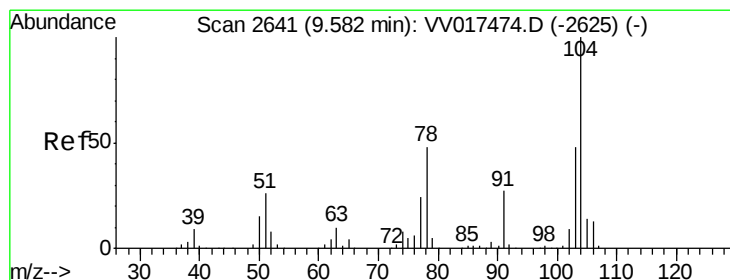
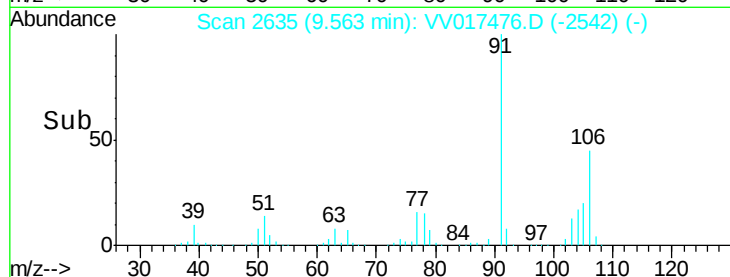
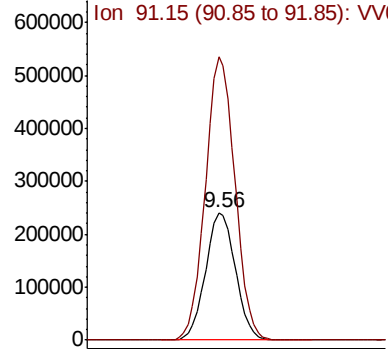
#56
o-xylene
Concen: 21.651 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

Tot Ion:106 Resp: 365126
Ion Ratio Lower Upper
106 100
91 222.4 158.8 294.8

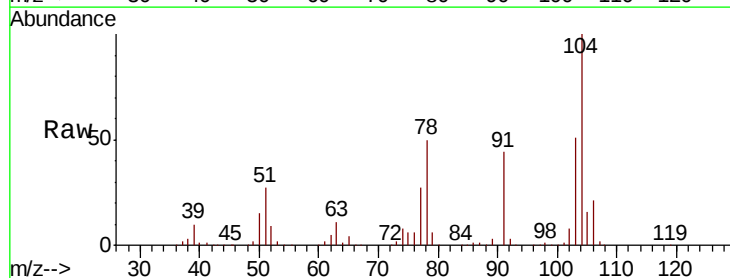


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

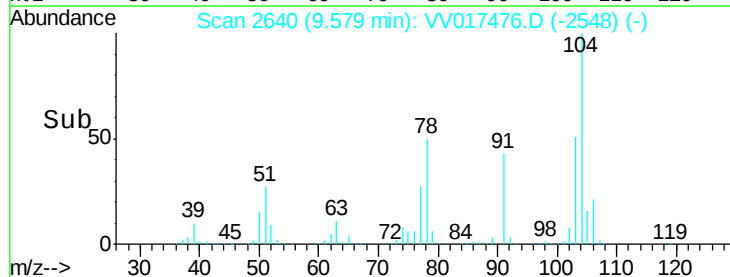
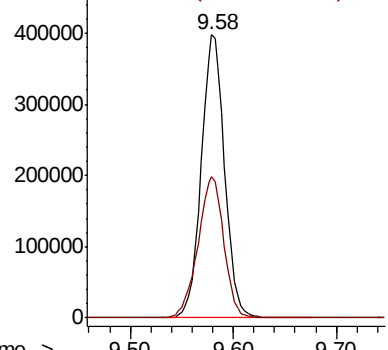


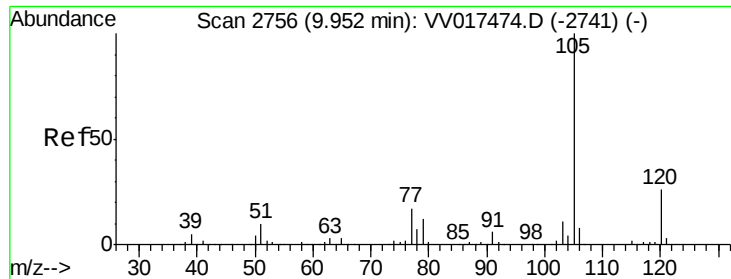
#57
Styrene
Concen: 22.190 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017476.D
Acq: 14 Jul 2020 11:06

Tgt Ion:104 Resp: 625458
Ion Ratio Lower Upper
104 100
78 49.9 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 22.125 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

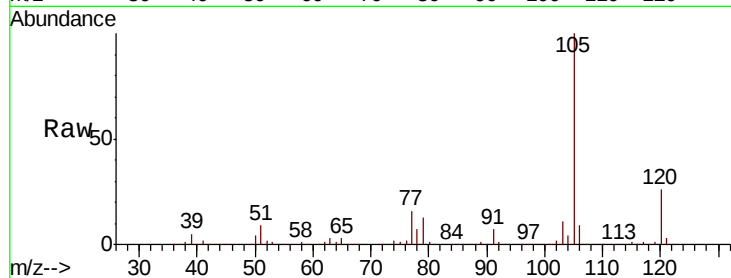
Tot Ion:105 Resp: 1036148

Ion Ratio Lower Upper

105 100

120 26.1 21.3 31.9

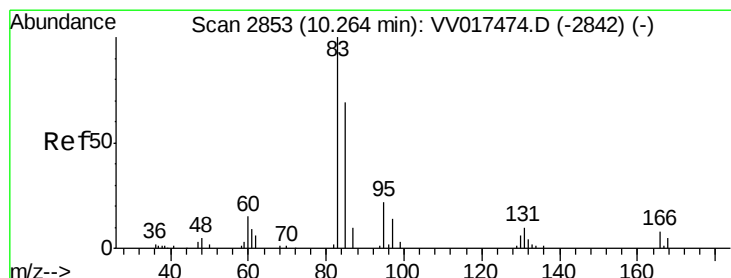
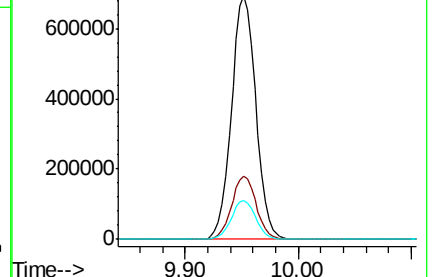
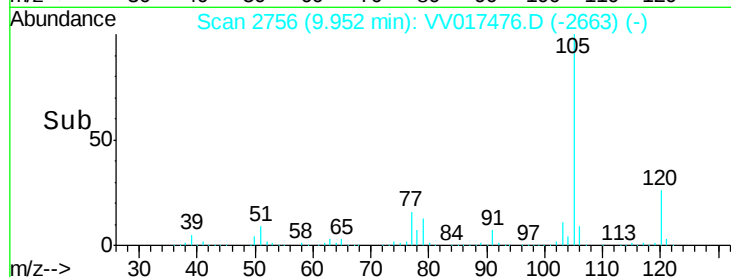
77 16.1 13.3 19.9



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



#60

1,1,2,2-Tetrachloroethane

Concen: 20.363 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

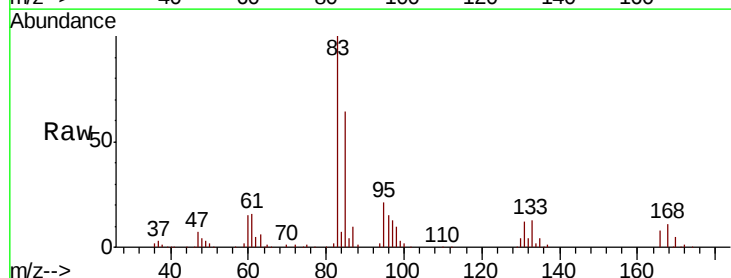
Tgt Ion: 83 Resp: 135694

Ion Ratio Lower Upper

83 100

85 64.1 49.1 91.3

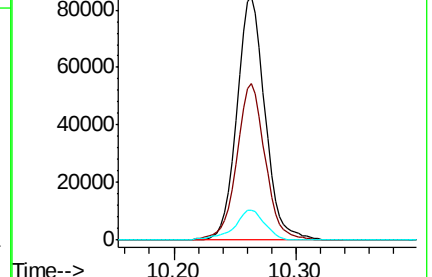
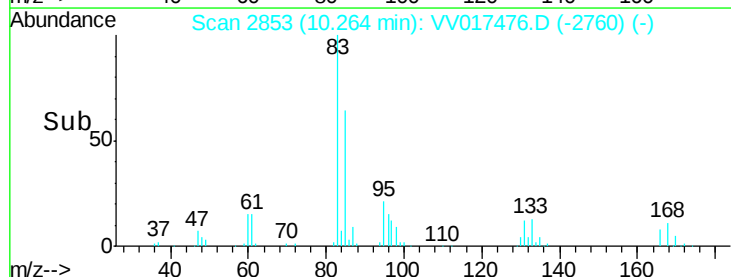
131 12.5 9.8 14.6

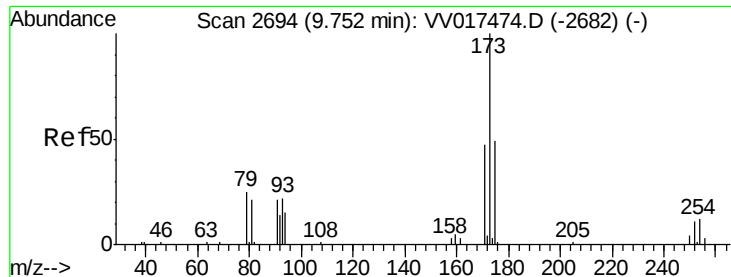


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 23.805 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD02033

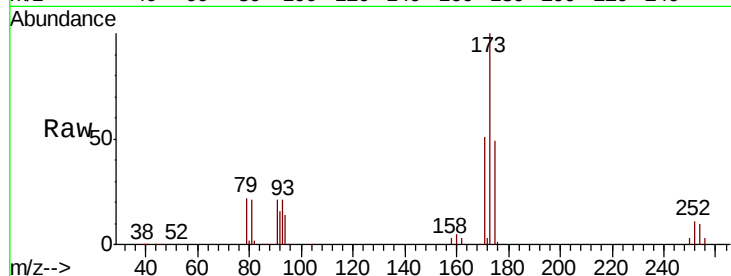
Tot Ion:173 Resp: 104856

Ion Ratio Lower Upper

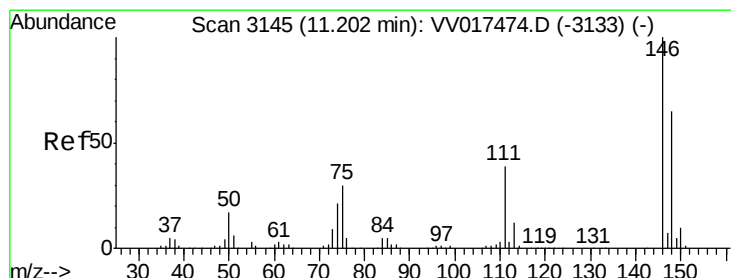
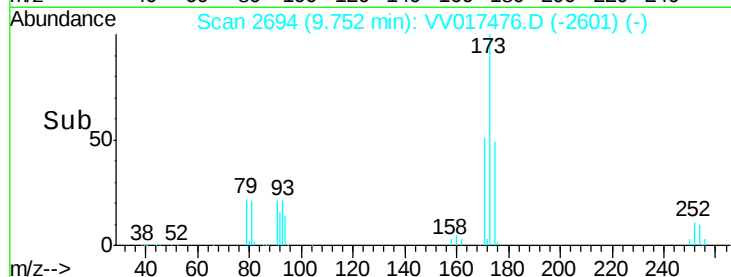
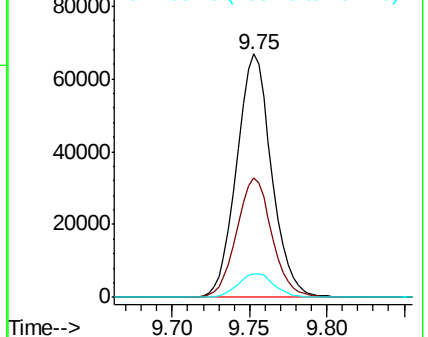
173 100

175 49.4 39.8 59.8

254 10.2 8.5 12.7



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



#63

1,3-Dichlorobenzene

Concen: 20.806 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

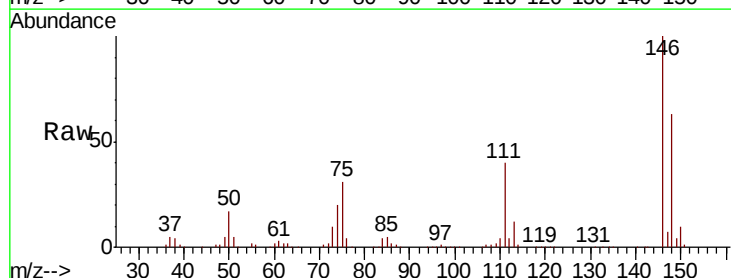
Tgt Ion:146 Resp: 498656

Ion Ratio Lower Upper

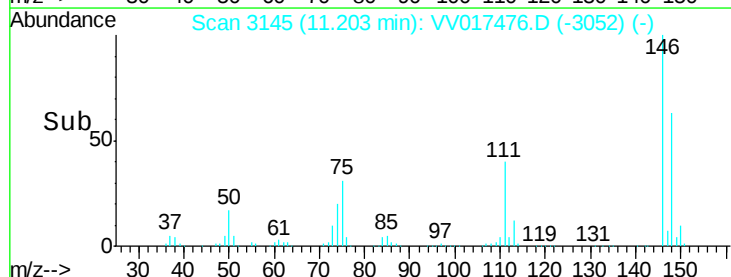
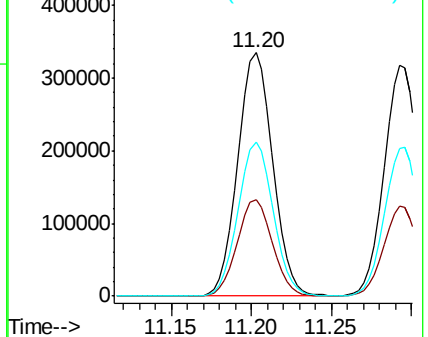
146 100

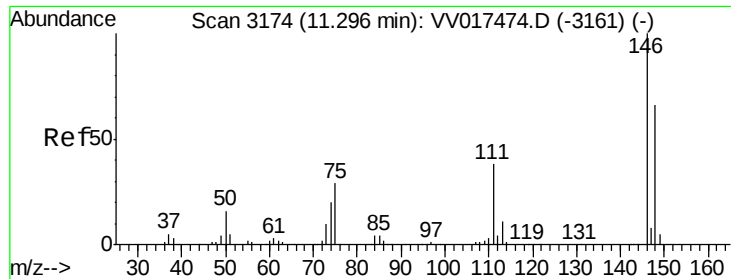
111 39.7 27.2 50.6

148 63.4 45.6 84.6



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





#64

1,4-Dichlorobenzene

Concen: 20.146 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampled :

VSTD02033

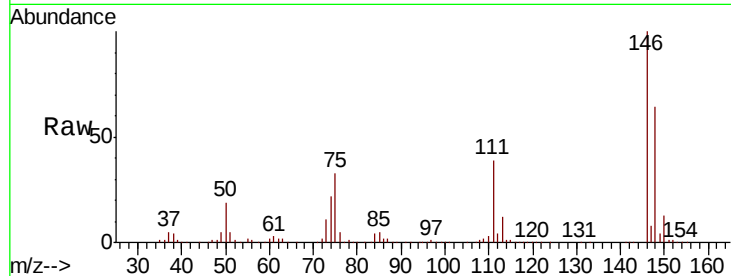
Tot Ion:146 Resp: 489555

Ion Ratio Lower Upper

146 100

111 38.8 26.9 50.1

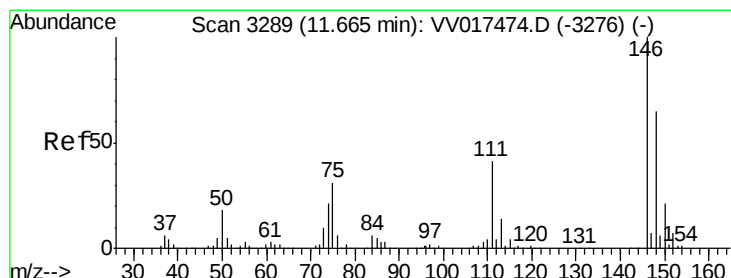
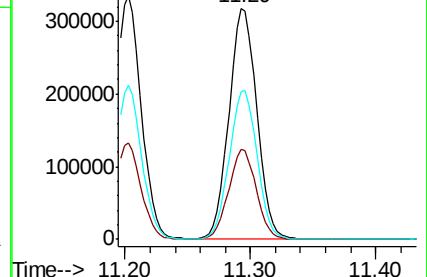
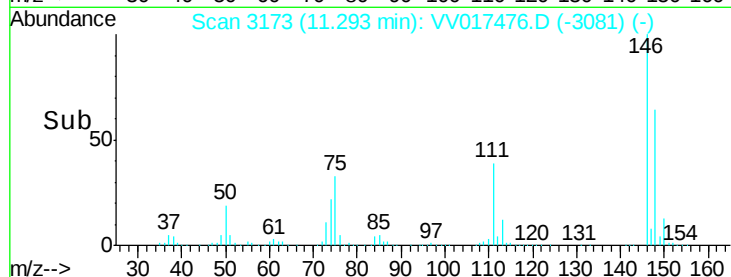
148 64.0 46.1 85.5



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



#66

1,2-Dichlorobenzene

Concen: 20.492 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

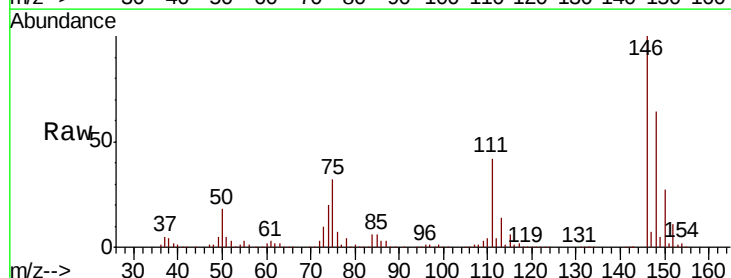
Tgt Ion:146 Resp: 444797

Ion Ratio Lower Upper

146 100

111 41.6 32.7 49.1

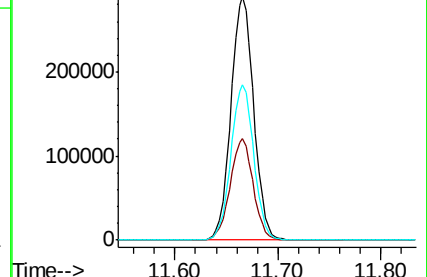
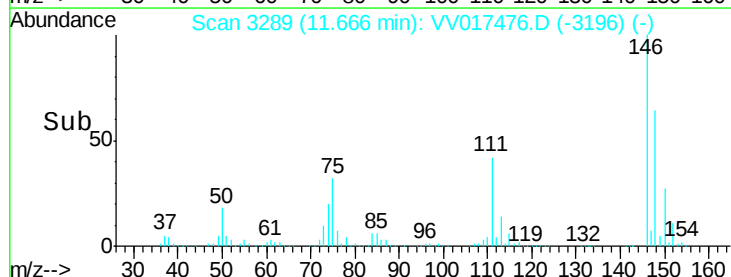
148 63.9 52.3 78.5

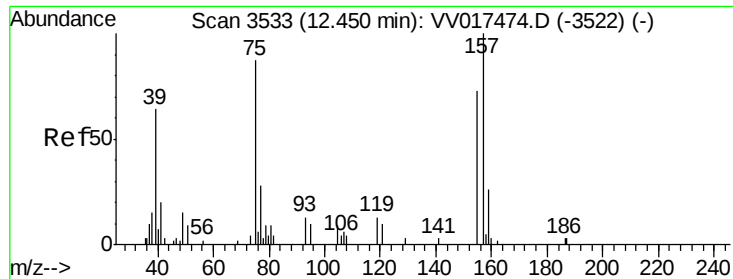


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 23.938 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD02033

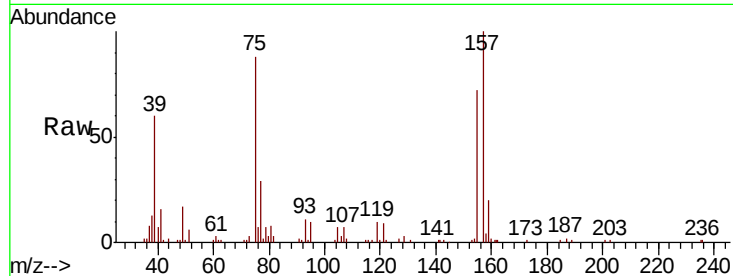
Tot Ion: 75 Resp: 29720

Ion Ratio Lower Upper

75 100

155 82.0 67.5 101.3

157 114.3 92.5 138.7

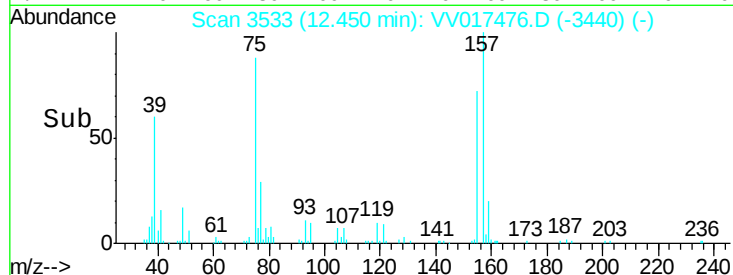


Abundance Ion 75.05 (74.75 to 75.75): VV017476.D (-3522) (-)

Ion 154.95 (154.65 to 155.65): VV017476.D (-3522) (-)

Ion 156.90 (156.60 to 157.60): VV017476.D (-3522) (-)

Time--> 12.35 12.40 12.45 12.50

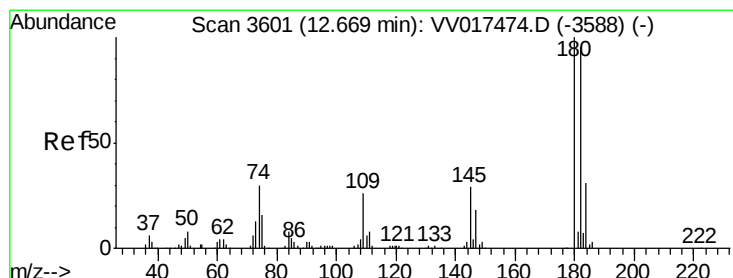


Abundance Ion 75.05 (74.75 to 75.75): VV017476.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017476.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017476.D (-3440) (-)

Time--> 12.35 12.40 12.45 12.50



#68

1,3,5-Trichlorobenzene

Concen: 21.199 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017476.D

Acq: 14 Jul 2020 11:06

Tgt Ion:180 Resp: 408681

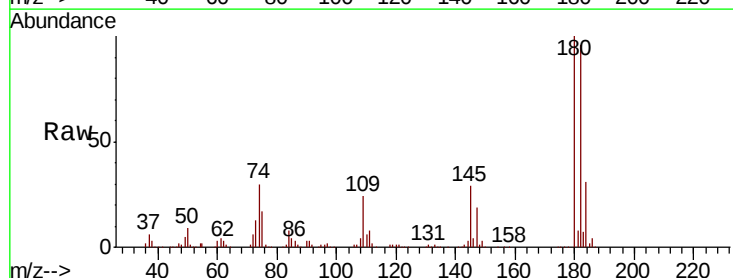
Ion Ratio Lower Upper

180 100

182 96.1 76.2 114.4

184 31.0 24.3 36.5

145 30.0 24.2 36.4



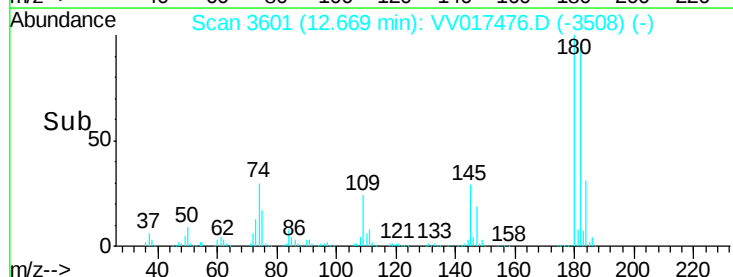
Abundance Ion 180.00 (179.70 to 180.70): VV017476.D (-3588) (-)

Ion 182.00 (181.70 to 182.70): VV017476.D (-3588) (-)

Ion 184.00 (183.70 to 184.70): VV017476.D (-3588) (-)

Ion 145.00 (144.70 to 145.70): VV017476.D (-3588) (-)

Time--> 12.60 12.65 12.70



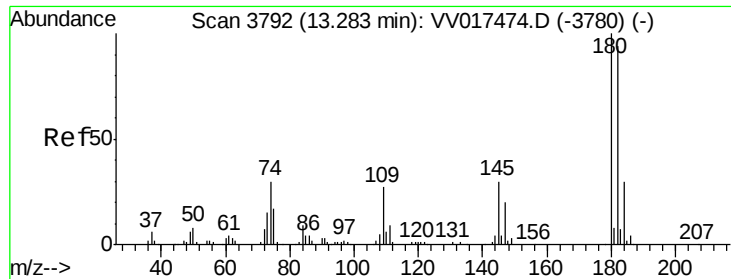
Abundance Ion 180.00 (179.70 to 180.70): VV017476.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017476.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV017476.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017476.D (-3508) (-)

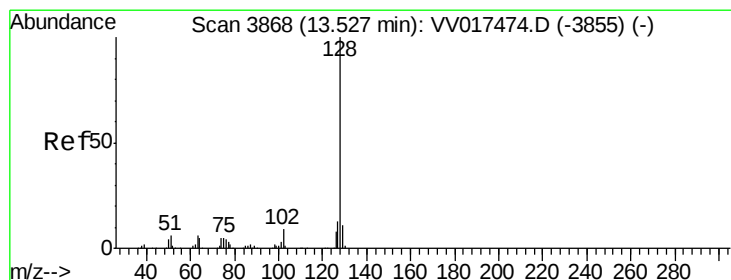
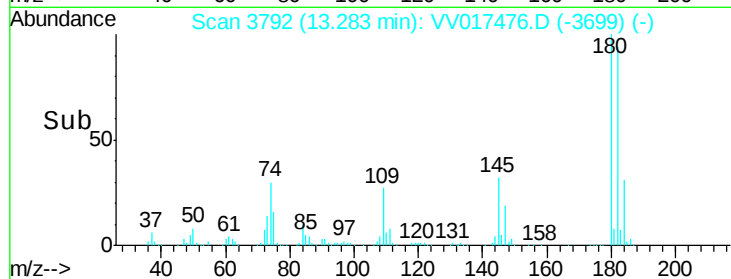
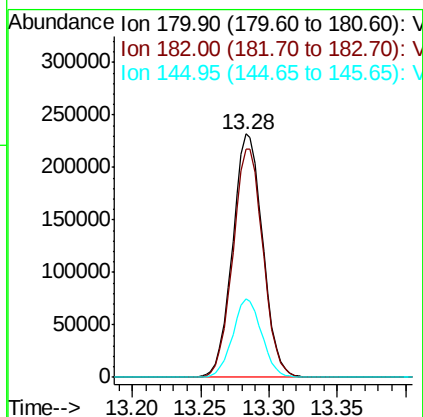
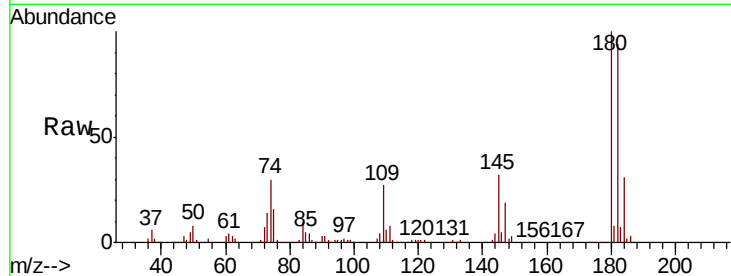
Time--> 12.60 12.65 12.70



#69
 1,2,4-trichlorobenzene
 Concen: 22.361 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

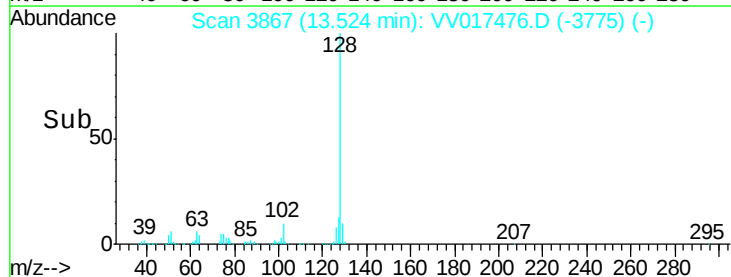
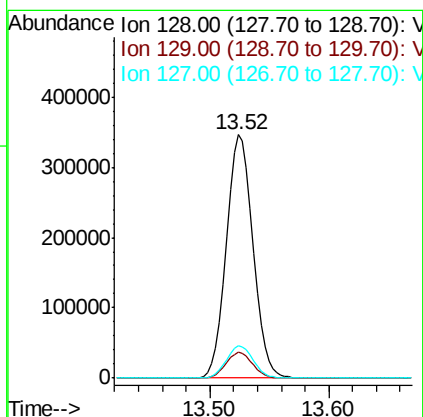
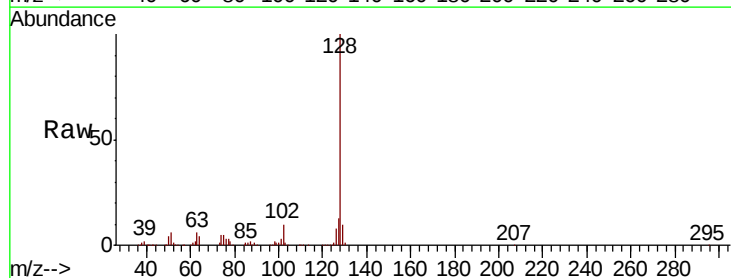
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

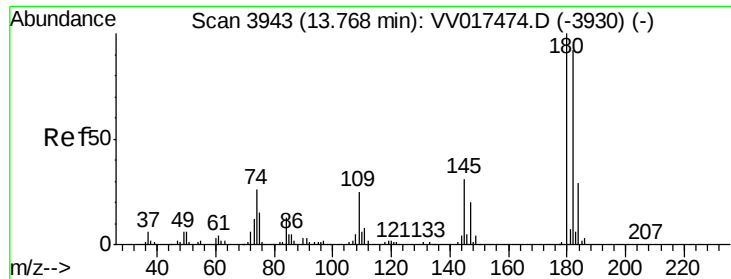
Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	75.0	112.6
145	31.1	24.5	36.7



#70
 Naphthalene
 Concen: 23.979 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Tgt Ion	Ratio	Lower	Upper
128	100		
129	10.5	8.5	12.7
127	13.3	10.6	15.8





#71
 1,2,3-Trichlorobenzene
 Concen: 22.973 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017476.D
 Acq: 14 Jul 2020 11:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02033

Tot Ion:	180	Resp:	303248
Ion Ratio	Lower	Upper	
180	100		
182	96.0	74.0	111.0
145	32.3	26.0	39.0

