

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017472.D
 Acq On : 14 Jul 2020 09:30
 Operator : SY/MD
 Sample : VSTD0.535
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Quant Time: Jul 15 02:02:10 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	154047	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	146479	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	77315	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	4581	0.50	ug/L	0.00
7) Chloroethane-d5	1.58	69	3735	0.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	10373	0.58	ug/L	0.00
20) 2-Butanone-d5	3.93	46	129	0.06	ug/L	-0.03
24) Chloroform-d	4.38	84	9767	0.49	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	5171	0.48	ug/L	0.00
32) Benzene-d6	5.07	84	15413	0.41	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	4476	0.40	ug/L	0.00
41) Toluene-d8	7.34	98	14826	0.42	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.65	79	2182	0.46	ug/L	0.00
48) 2-Hexanone-d5	8.12	63	4795	2.77	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	3211	0.43	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	6555	0.46	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	9557	0.708 ug/L	97
3) Chloromethane	1.25	50	6756	0.629 ug/L	98
5) Vinyl chloride	1.32	62	6660	0.632 ug/L	95
6) Bromomethane	1.53	94	3887	0.627 ug/L	86
8) Chloroethane	1.59	64	4051	0.686 ug/L	90
9) Trichlorofluoromethane	1.76	101	11863	0.673 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	5537	0.646 ug/L	93
12) 1,1-Dichloroethene	2.13	96	4727	0.612 ug/L	94
13) Acetone	2.24	43	3256	2.698 ug/L	81
14) Carbon disulfide	2.31	76	14415	0.611 ug/L	95
15) Methyl Acetate	2.46	43	1152	0.413 ug/L #	51
16) Methylene chloride	2.52	84	8210	0.989 ug/L	99
17) Methyl tert-butyl Ether	2.79	73	11936	0.615 ug/L #	93
18) trans-1,2-Dichloroethene	2.78	96	5079	0.611 ug/L	96
19) 1,1-Dichloroethane	3.21	63	9802	0.546 ug/L #	94
21) 2-Butanone	4.06	43	5133	2.333 ug/L #	71
22) cis-1,2-Dichloroethene	3.94	96	5604	0.523 ug/L	99
23) Bromochloromethane	4.27	128	2209	0.475 ug/L	92
25) Chloroform	4.40	83	10613	0.543 ug/L	98
27) 1,2-Dichloroethane	5.16	62	6881	0.557 ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	10327	0.566 ug/L #	85
30) Cyclohexane	4.70	56	7757	0.468 ug/L	98
31) Carbon tetrachloride	4.85	117	9634	0.581 ug/L #	56
33) Benzene	5.12	78	19416	0.502 ug/L	100
34) Trichloroethene	5.94	95	6362	0.558 ug/L	97
35) Methylcyclohexane	6.15	83	8362	0.478 ug/L	96
37) 1,2-Dichloropropane	6.20	63	5011	0.537 ug/L	98
38) Bromodichloromethane	6.53	83	7267	0.549 ug/L #	99
39) cis-1,3-Dichloropropene	7.05	75	6648	0.468 ug/L	97
40) 4-Methyl-2-pentanone	7.26	43	20813	3.860 ug/L	94

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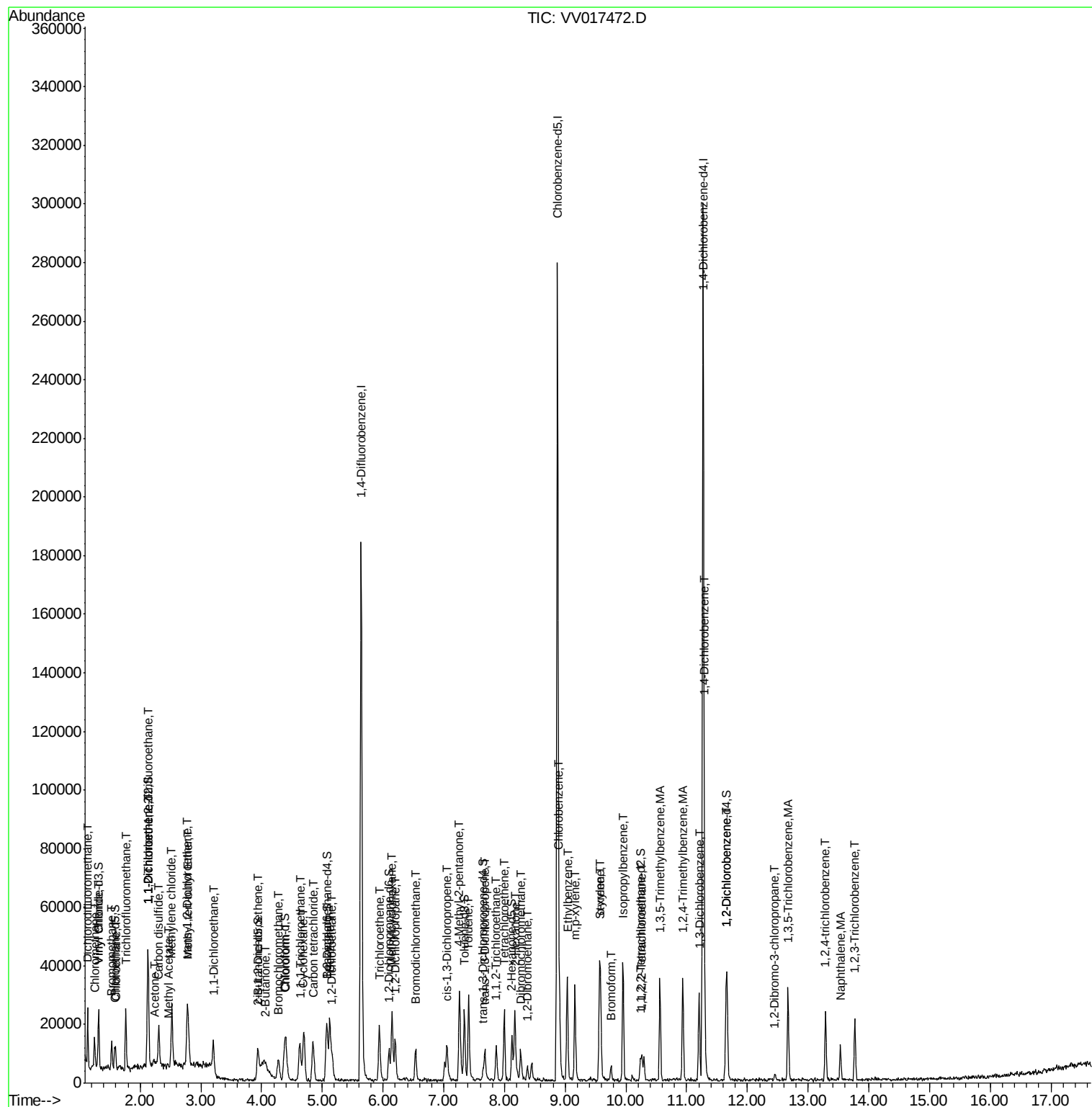
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	20488	0.457	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	18435	0.454	ug/L	98
44) 1,2,4-Trimethylbenzene	10.94	105	17707	0.430	ug/L	97
46) trans-1,3-Dichloropropene	7.68	75	6020	0.484	ug/L	94
47) 1,1,2-Trichloroethane	7.86	97	3439	0.511	ug/L	96
49) Tetrachloroethene	8.00	164	5138	0.552	ug/L	97
50) 2-Hexanone	8.17	43	16828	4.388	ug/L	92
51) Dibromochloromethane	8.27	129	4461	0.530	ug/L	97
52) 1,2-Dibromoethane	8.38	107	3244	0.504	ug/L #	97
53) Chlorobenzene	8.90	112	14227	0.505	ug/L	97
54) Ethylbenzene	9.04	91	22988	0.479	ug/L	96
55) m,p-xylene	9.16	106	8525	0.453	ug/L	88
56) o-xylene	9.57	106	8638	0.492	ug/L	90
57) Styrene	9.58	104	13520	0.461	ug/L	98
58) Isopropylbenzene	9.95	105	23767	0.488	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	3328	0.480	ug/L #	83
62) Bromoform	9.76	173	2466	0.572	ug/L	97
63) 1,3-Dichlorobenzene	11.21	146	11747	0.501	ug/L	94
64) 1,4-Dichlorobenzene	11.30	146	11919	0.501	ug/L	95
66) 1,2-Dichlorobenzene	11.67	146	11153	0.525	ug/L	90
67) 1,2-Dibromo-3-chloropropan	12.45	75	596	0.490	ug/L #	79
68) 1,3,5-Trichlorobenzene	12.67	180	9198	0.487	ug/L	97
69) 1,2,4-trichlorobenzene	13.29	180	7317	0.471	ug/L	97
70) Naphthalene	13.53	128	9542	0.435	ug/L #	94
71) 1,2,3-Trichlorobenzene	13.77	180	6066	0.469	ug/L	95

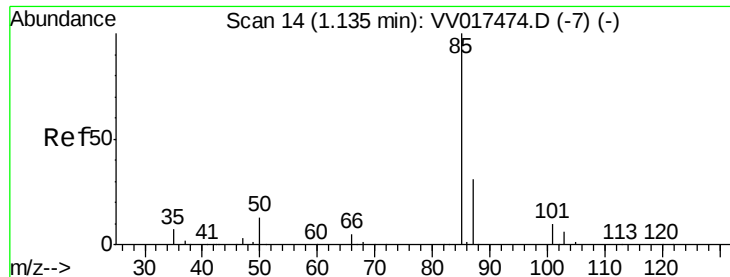
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 0.708 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

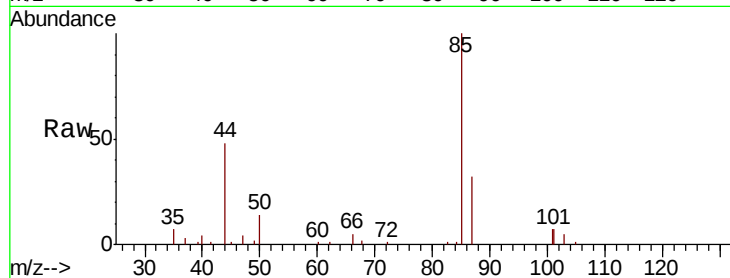
VSTD0.535

Tot Ion: 85 Resp: 9557

Ion Ratio Lower Upper

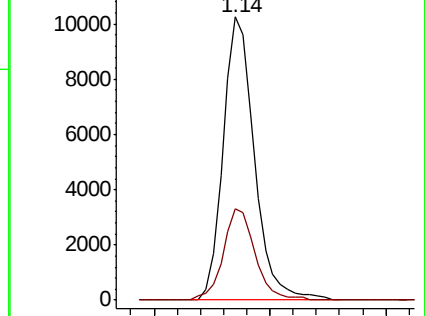
85 100

87 32.8 25.1 37.7

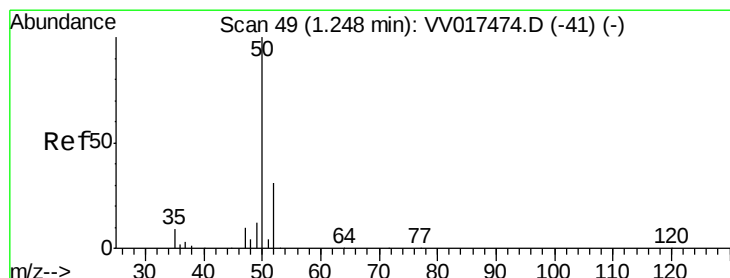
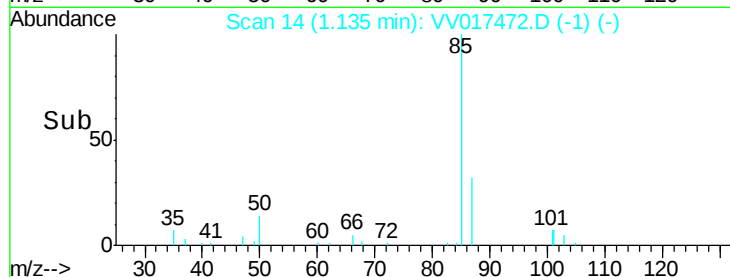


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 0.629 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017472.D

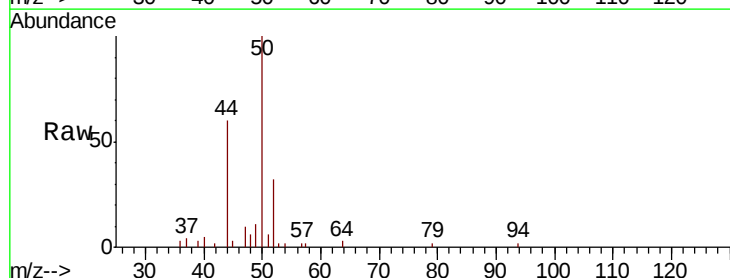
Acq: 14 Jul 2020 09:30

Tgt Ion: 50 Resp: 6756

Ion Ratio Lower Upper

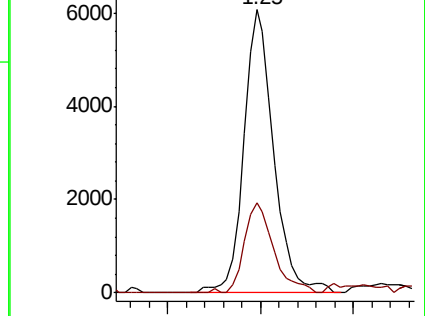
50 100

52 31.9 21.4 39.8

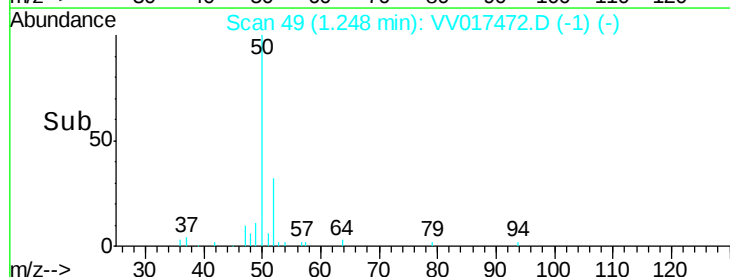


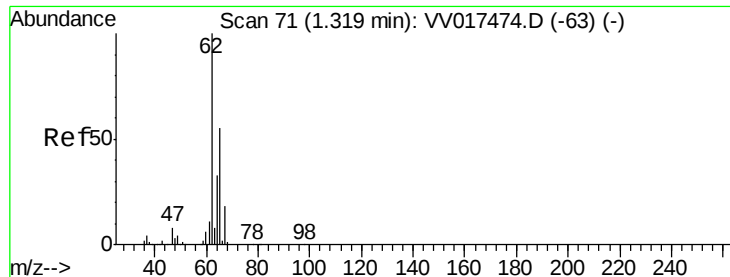
Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->





#5

Vinyl chloride

Concen: 0.632 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

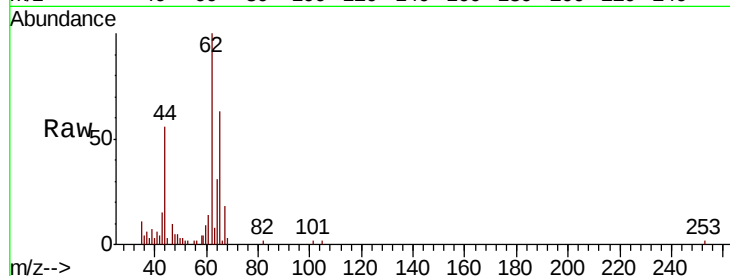
VSTD0.535

Tot Ion: 62 Resp: 6660

Ion Ratio Lower Upper

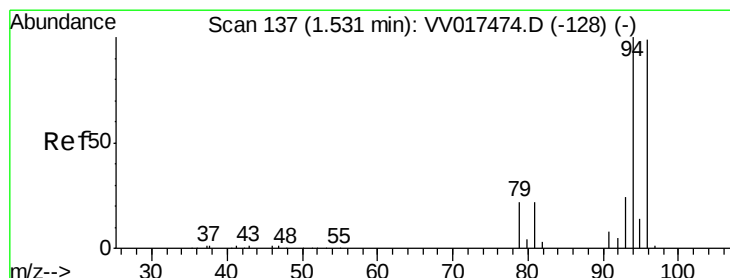
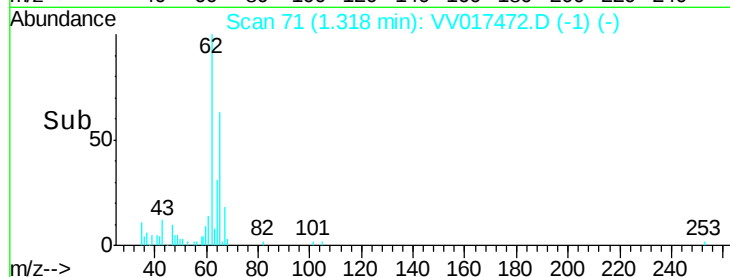
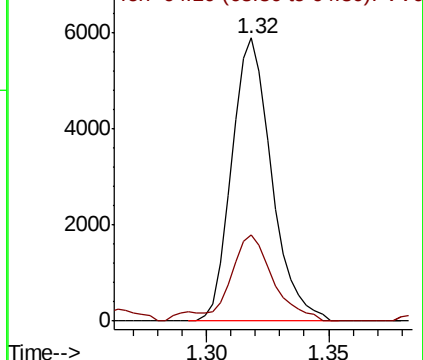
62 100

64 30.5 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: 0.627 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017472.D

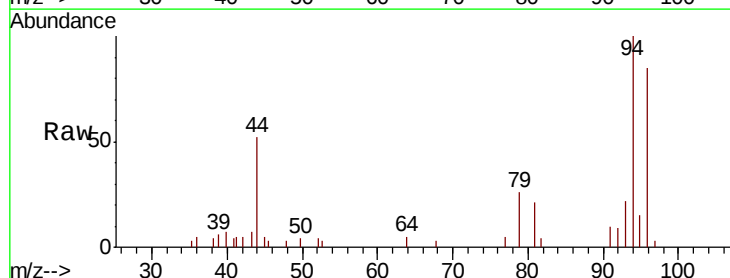
Acq: 14 Jul 2020 09:30

Tgt Ion: 94 Resp: 3887

Ion Ratio Lower Upper

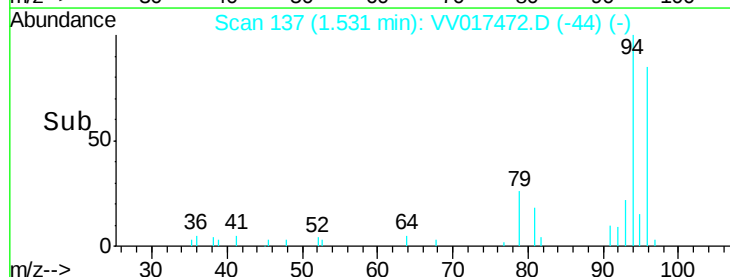
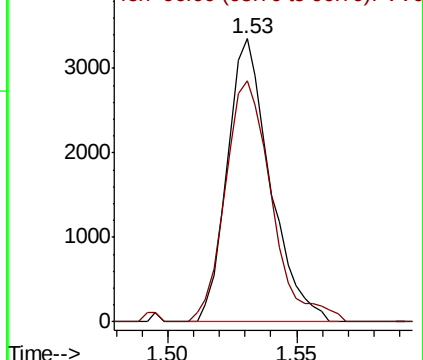
94 100

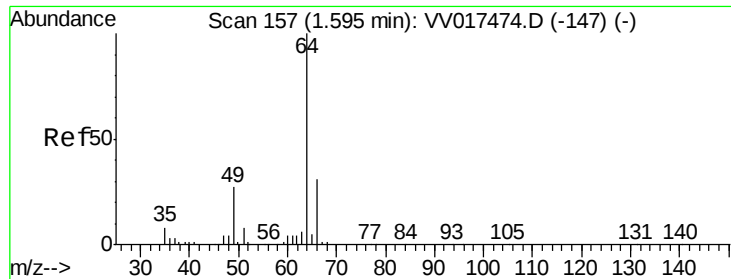
96 85.2 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 0.686 ug/L

RT: 1.59 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

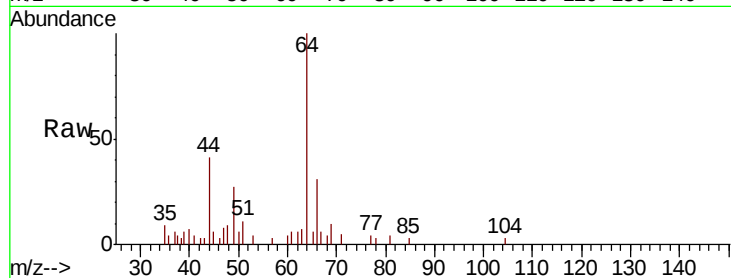
VSTD0.535

Tot Ion: 64 Resp: 4051

Ion Ratio Lower Upper

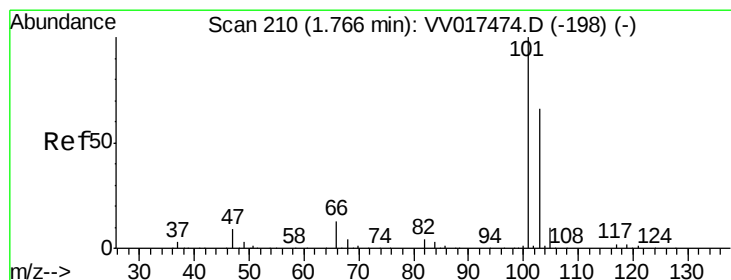
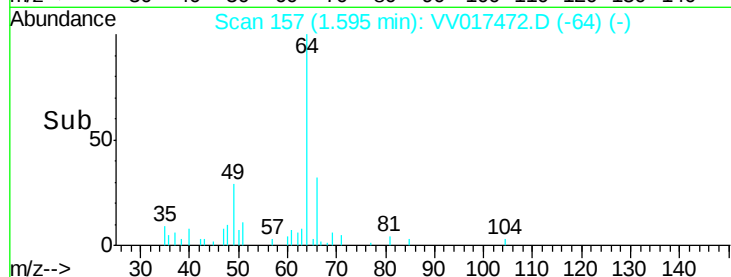
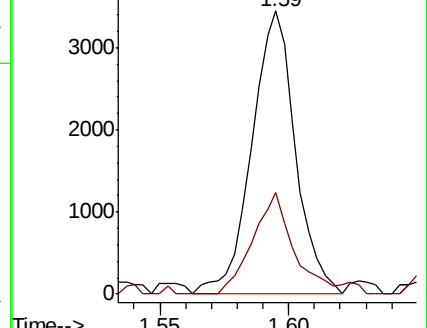
64 100

66 36.1 21.5 39.9



Abundance Ion 64.10 (63.80 to 64.80): VV017474.D (-147) (-)

Ion 66.05 (65.75 to 66.75): VV017474.D (-147) (-)



#9

Trichlorofluoromethane

Concen: 0.673 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017472.D

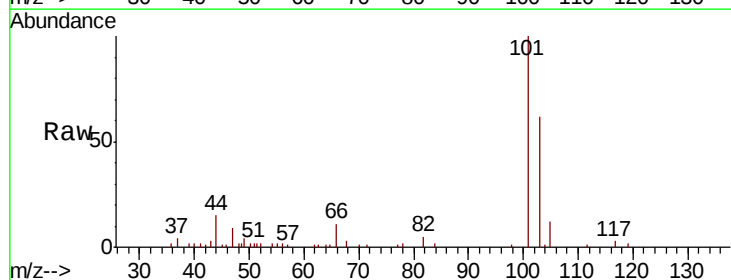
Acq: 14 Jul 2020 09:30

Tgt Ion: 101 Resp: 11863

Ion Ratio Lower Upper

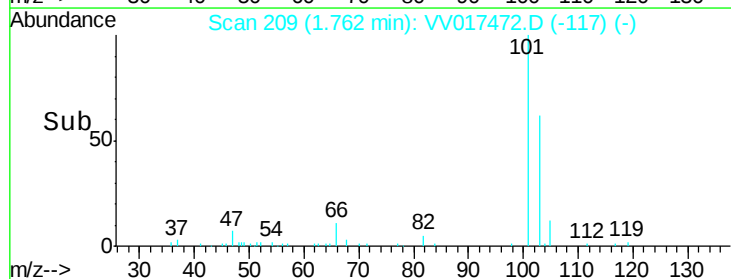
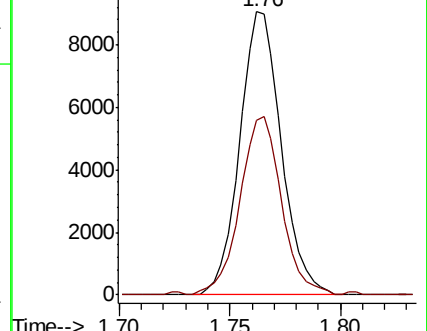
101 100

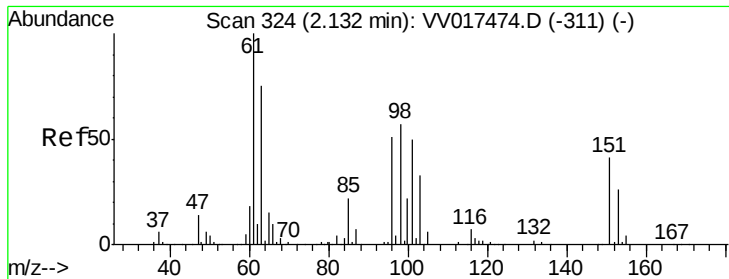
103 62.9 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV017474.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017474.D (-198) (-)





#10

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

Concen: 0.646 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

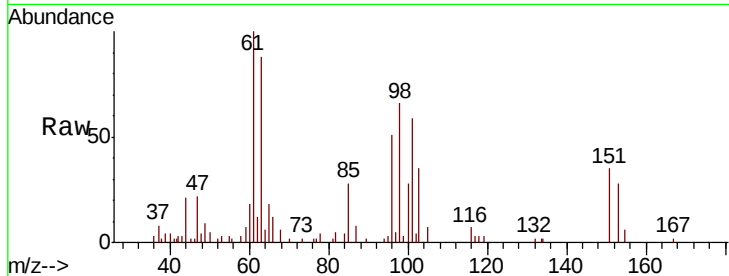
Tot Ion:101 Resp: 5537

Ion Ratio Lower Upper

101 100

85 46.4 35.4 53.2

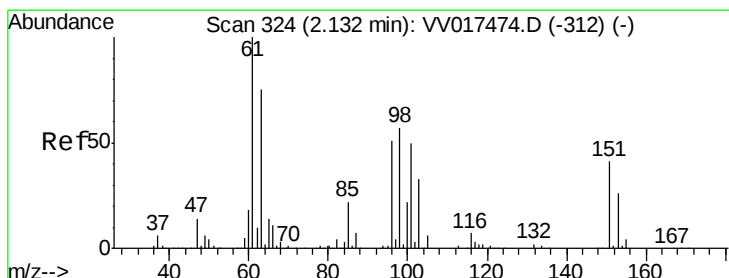
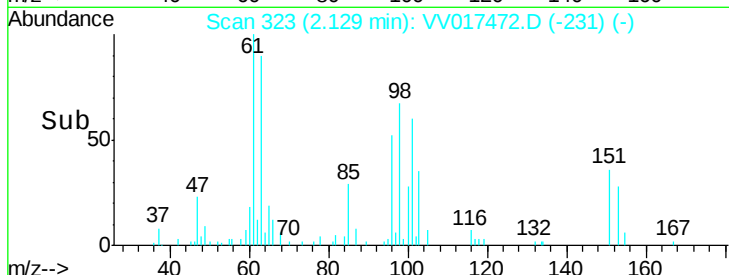
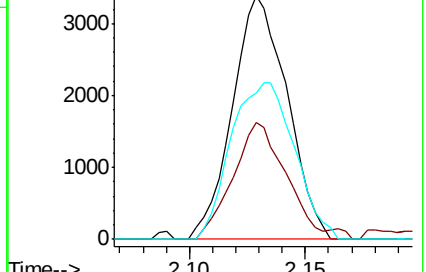
151 74.6 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): VV017472.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017472.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017472.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 0.612 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

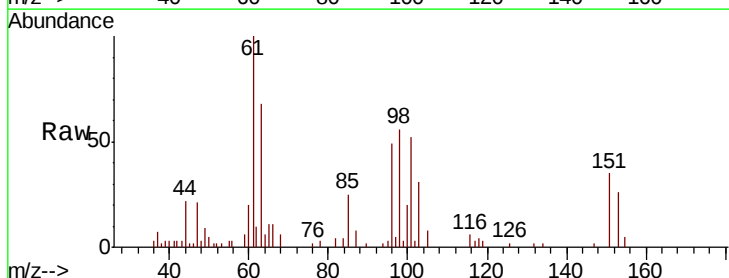
Tgt Ion: 96 Resp: 4727

Ion Ratio Lower Upper

96 100

61 203.6 137.2 254.8

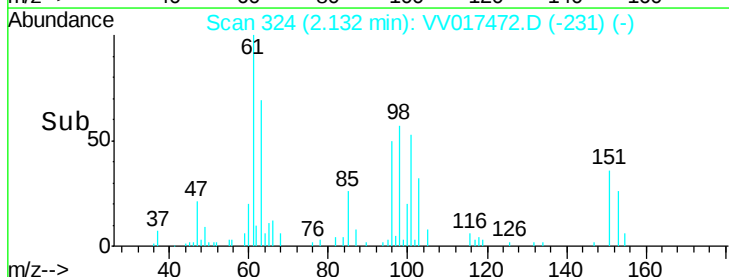
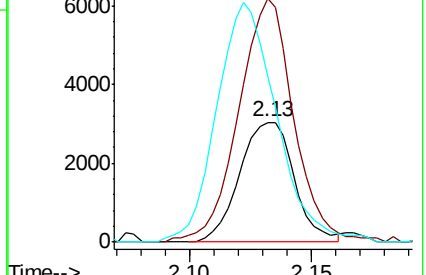
63 138.5 103.6 192.4

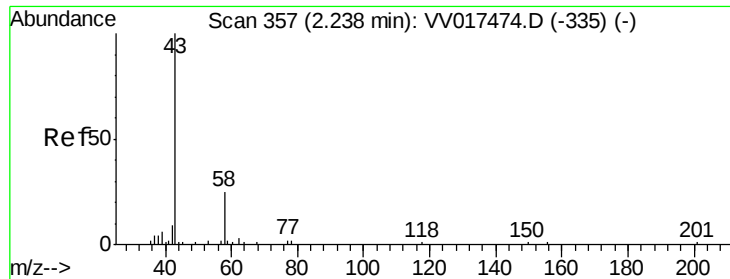


Abundance Ion 96.00 (95.70 to 96.70): VV017472.D (-312) (-)

Ion 61.05 (60.75 to 61.75): VV017472.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV017472.D (-312) (-)





#13

Acetone

Concen: 2.698 ug/L

RT: 2.24 min Scan# 358

Delta R.T. 0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

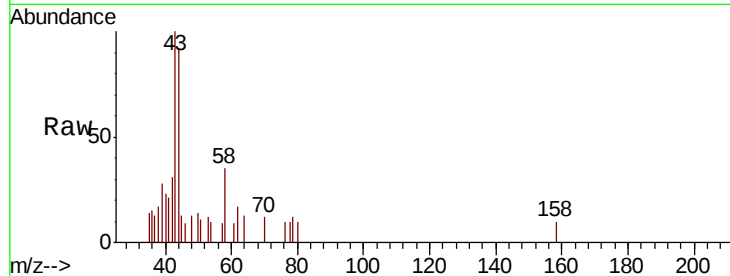
VSTD0.535

Tot Ion: 43 Resp: 3256

Ion Ratio Lower Upper

43 100 0.0 33.6

58 25.1 0.0 33.6



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

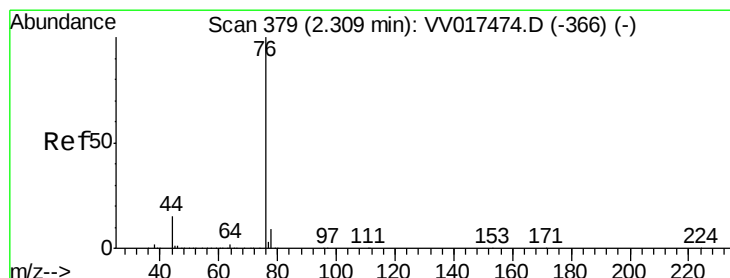
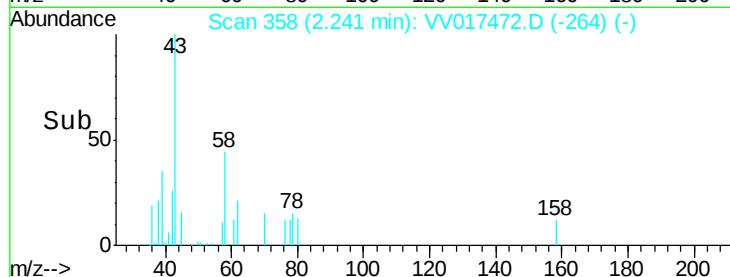
2.24

1000

500

0

Time--> 2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.611 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017472.D

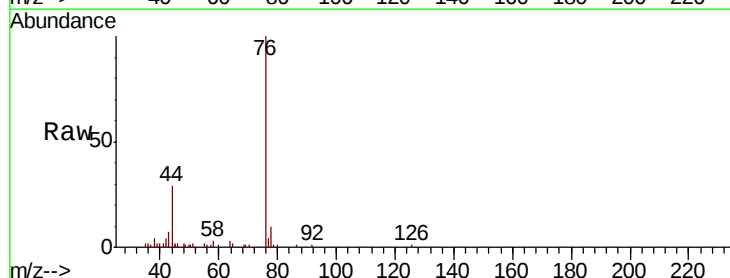
Acq: 14 Jul 2020 09:30

Tgt Ion: 76 Resp: 14415

Ion Ratio Lower Upper

76 100 7.5 11.3

78 11.1 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

10000

8000

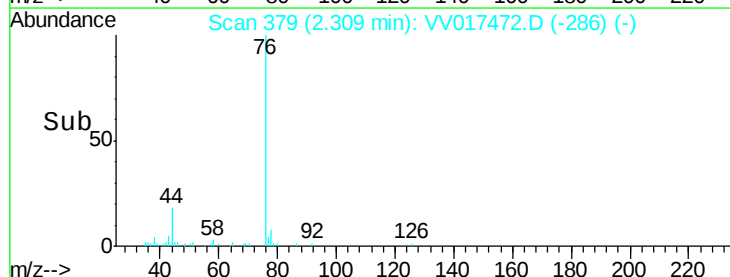
6000

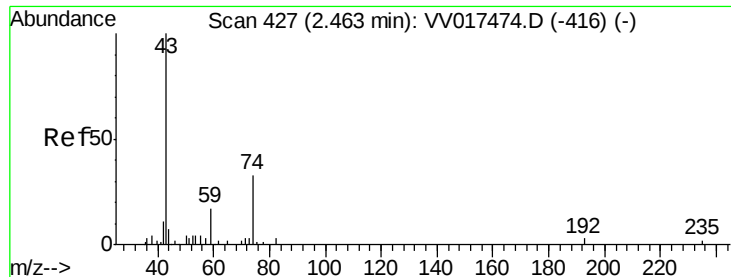
4000

2000

0

Time--> 2.25 2.30 2.35

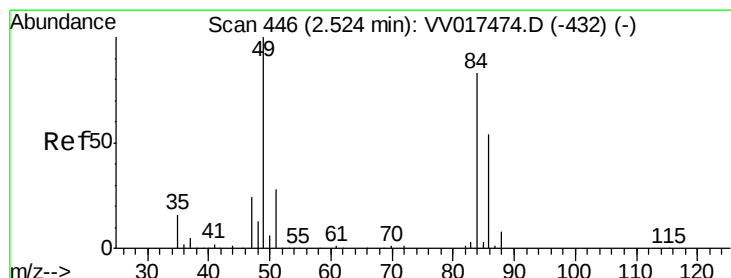
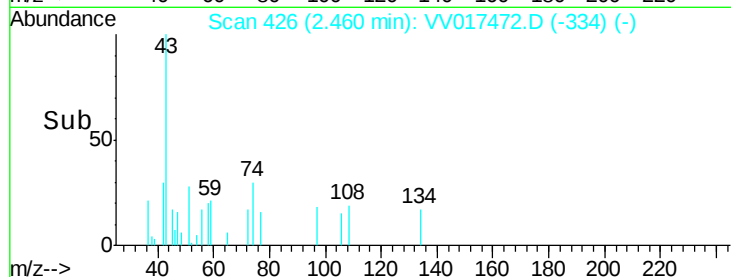
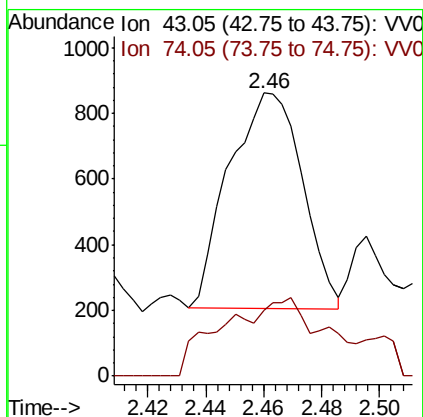
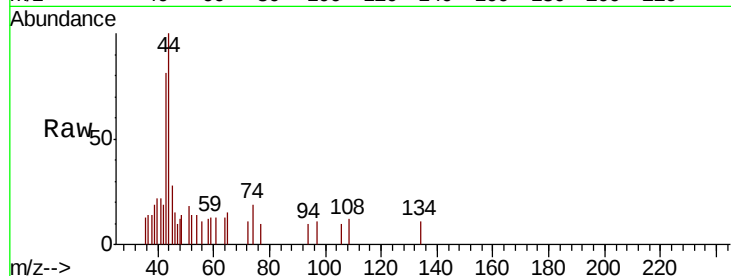




#15
Methvl Acetate
Concen: 0.413 ug/L
RT: 2.46 min Scan# 426
Delta R.T. -0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

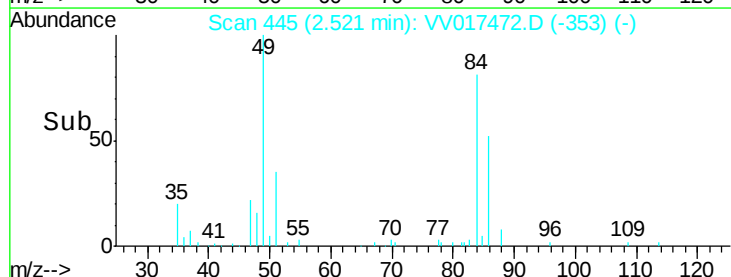
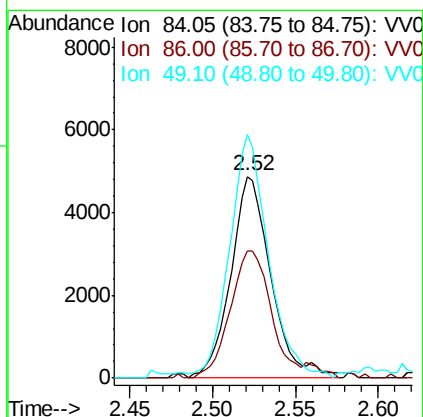
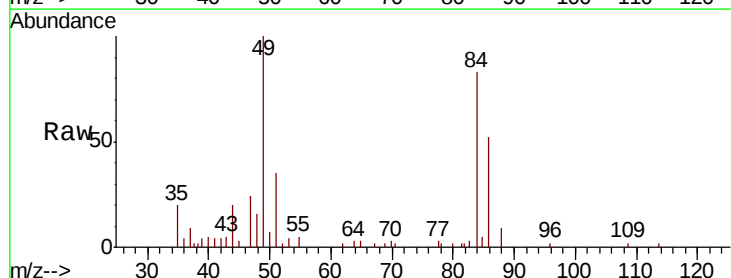
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

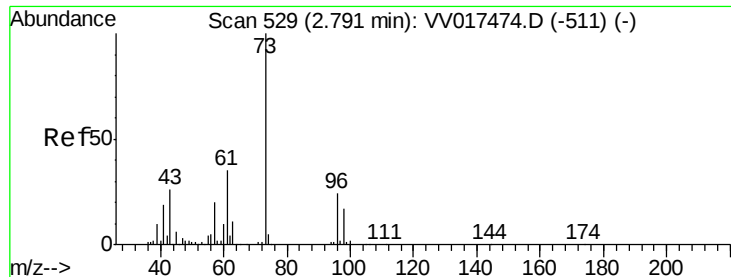
Tot Ion: 43 Resp: 1152
Ion Ratio Lower Upper
43 100
74 50.3 20.5 30.7#



#16
Methylene chloride
Concen: 0.989 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Tgt Ion: 84 Resp: 8210
Ion Ratio Lower Upper
84 100
86 63.3 45.5 84.5
49 120.8 84.6 157.0

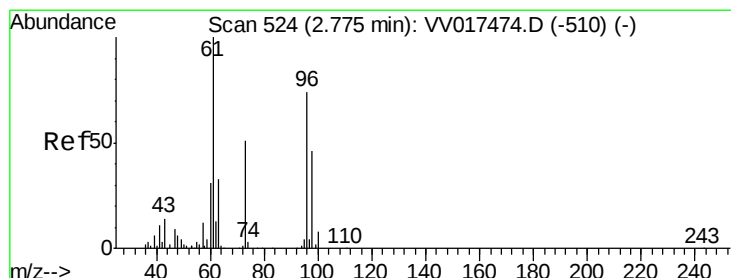
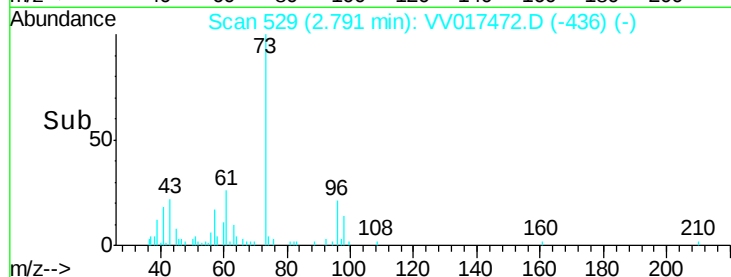
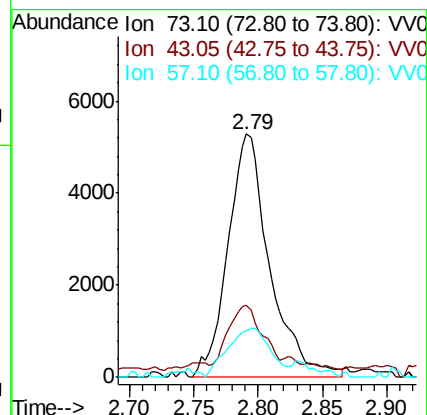
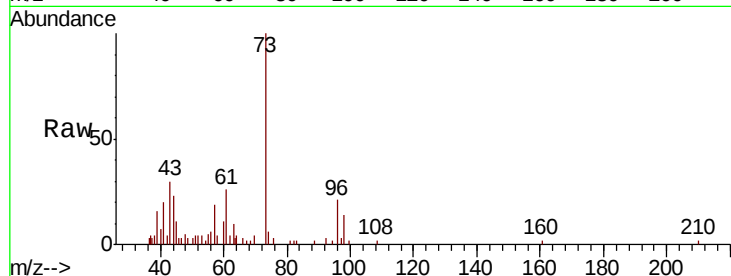




#17
Methvl tert-butvl Ether
Concen: 0.615 ug/L
RT: 2.79 min Scan# 529
Delta R.T. -0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

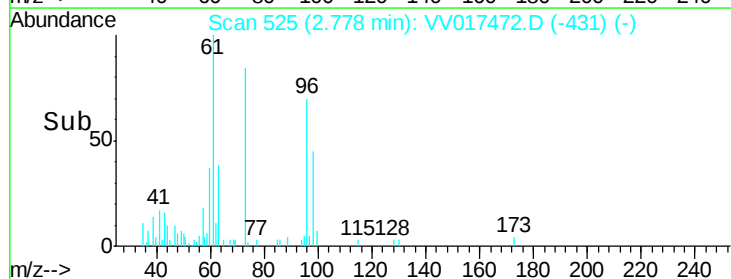
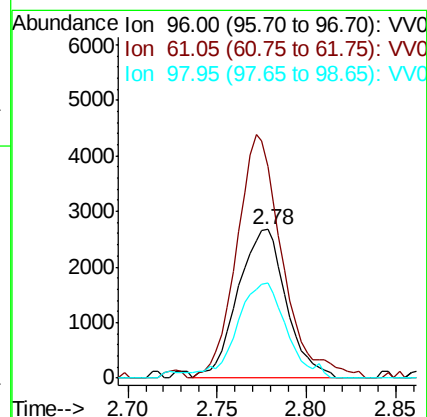
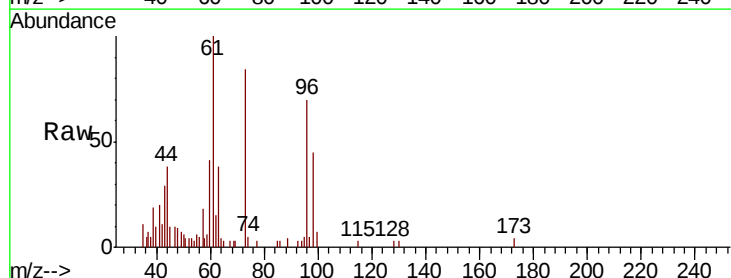
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

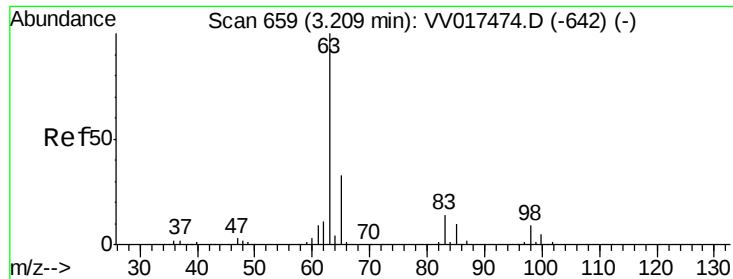
Tot Ion	Ratio	Lower	Upper
73	100		
43	19.2	20.4	30.6#
57	20.5	16.7	25.1



#18
trans-1,2-Dichloroethene
Concen: 0.611 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Tgt Ion	Ratio	Lower	Upper
96	100		
61	142.2	95.1	176.7
98	63.7	43.5	80.7

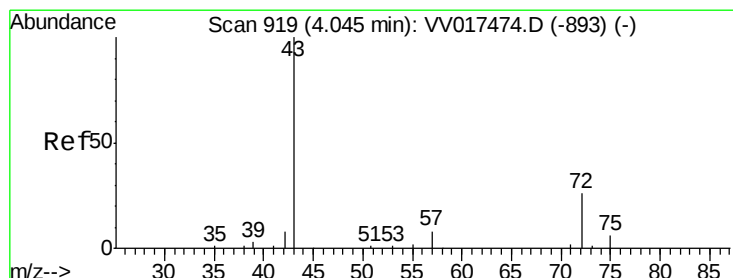
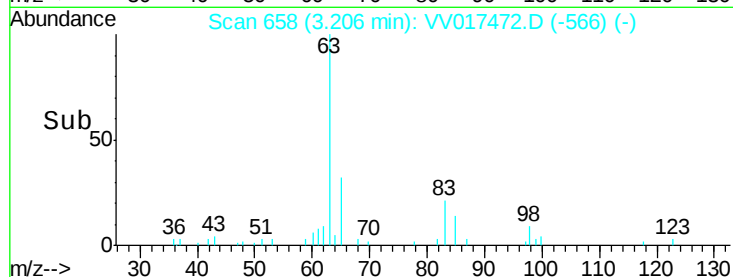
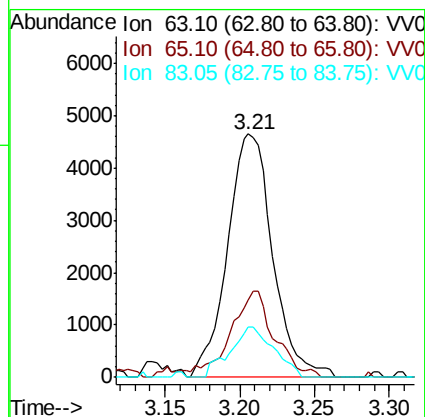
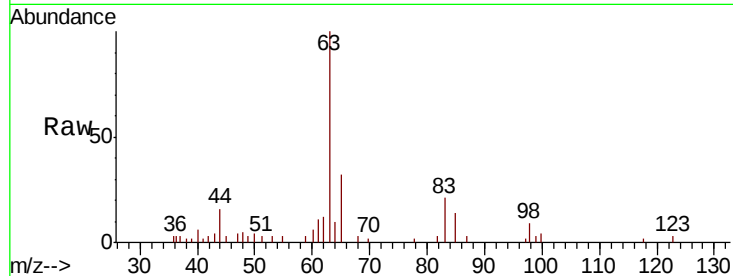




#19
 1,1-Dichloroethane
 Concen: 0.546 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

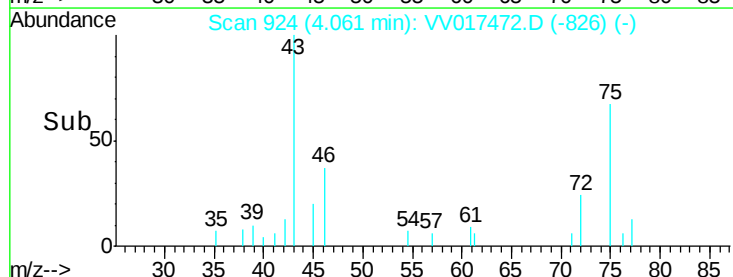
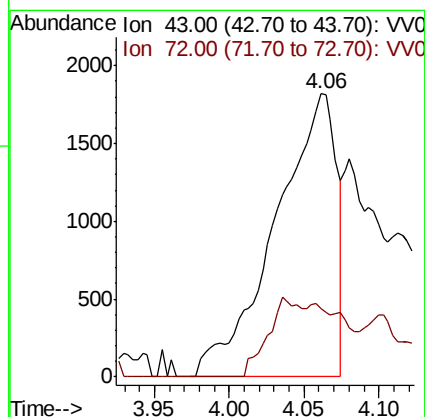
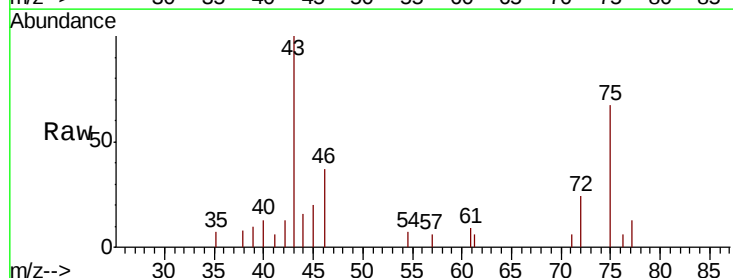
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

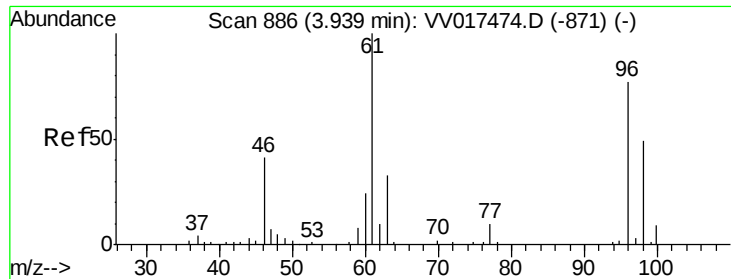
Tot Ion: 63 Resp: 9802
 Ion Ratio Lower Upper
 63 100
 65 31.7 23.2 43.0
 83 20.7 10.1 18.7#



#21
 2-Butanone
 Concen: 2.333 ug/L
 RT: 4.06 min Scan# 924
 Delta R.T. 0.02 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion: 43 Resp: 5133
 Ion Ratio Lower Upper
 43 100
 72 16.5 3.4 10.1#



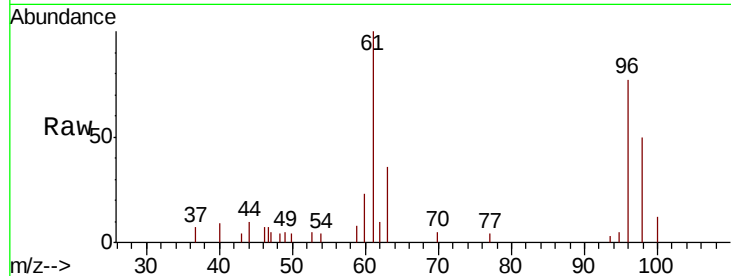


#22

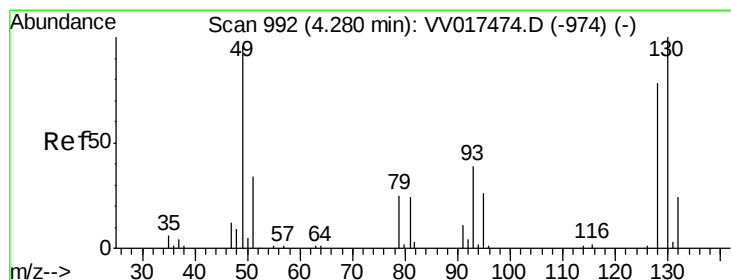
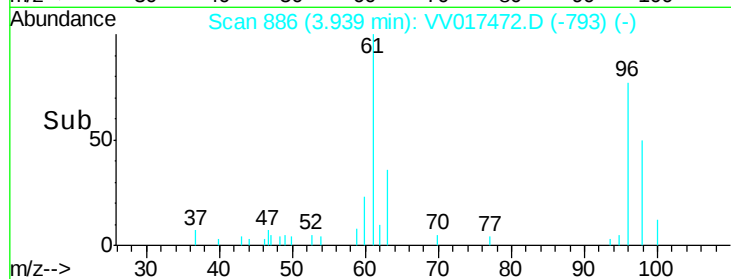
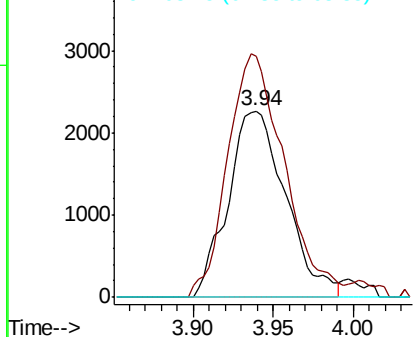
cis-1,2-Dichloroethene
Concen: 0.523 ug/L
RT: 3.94 min Scan# 886
Delta R.T. -0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tot Ion: 96 Resp: 5604
Ion Ratio Lower Upper
96 100
61 129.7 91.5 169.9
68 0.0 0.0 0.0



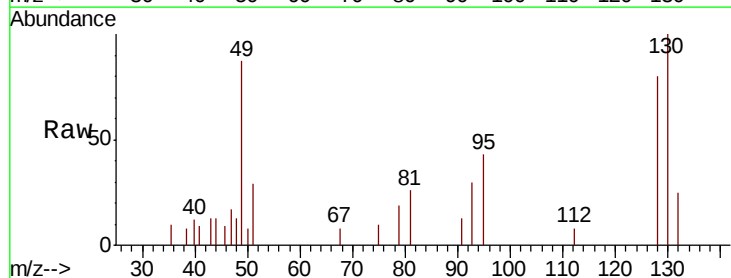
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



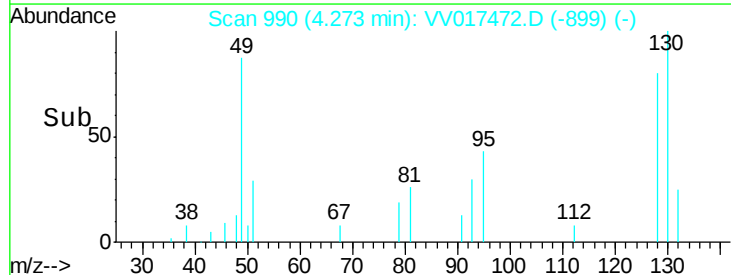
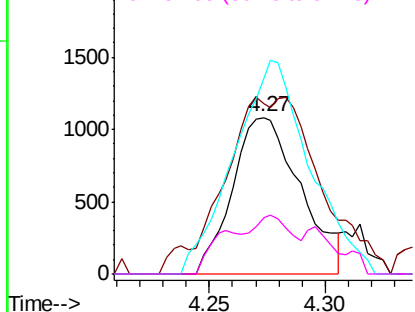
#23

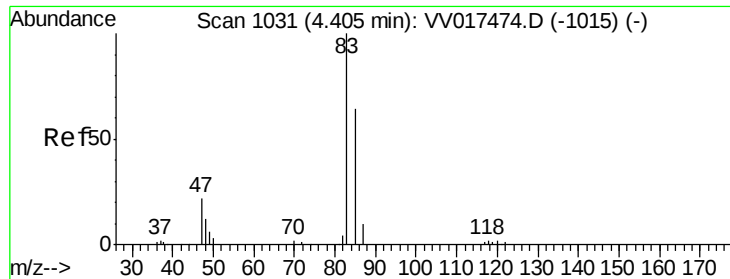
Bromochloromethane
Concen: 0.475 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.01 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Tgt Ion: 128 Resp: 2209
Ion Ratio Lower Upper
128 100
49 108.6 86.0 159.6
130 125.1 89.7 166.5
51 36.0 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

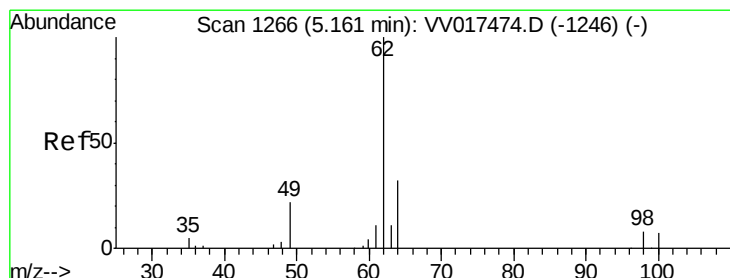
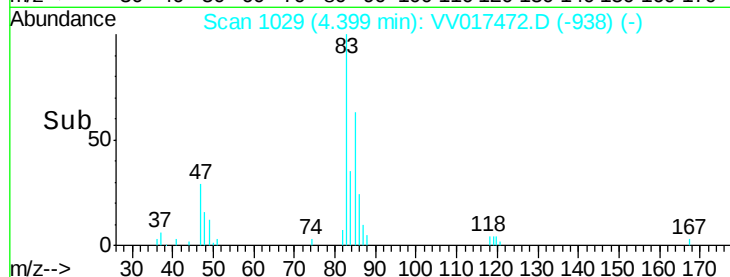
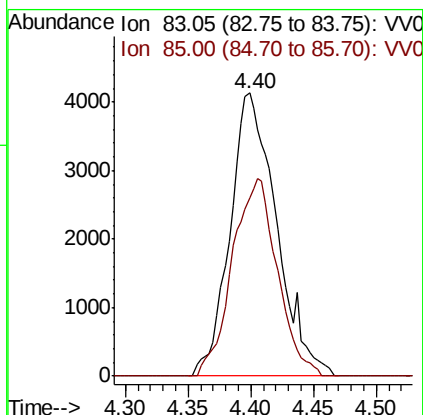
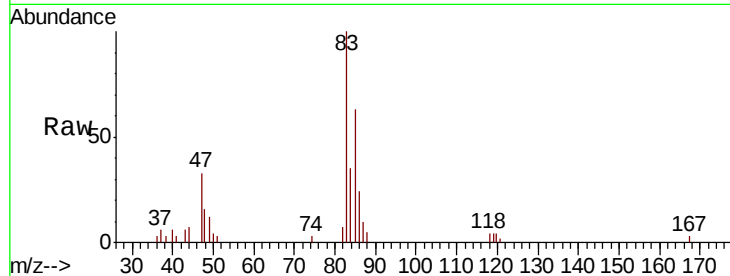




#25
Chloroform
Concen: 0.543 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

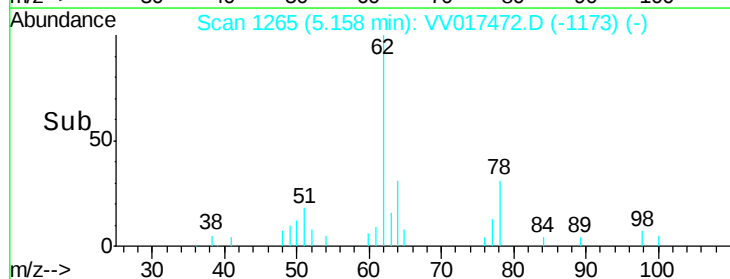
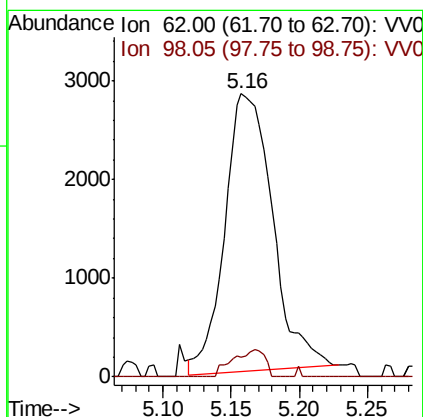
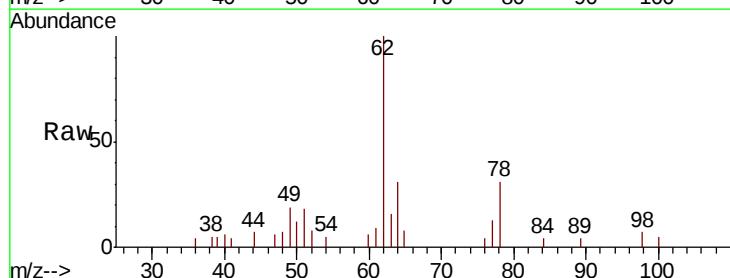
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

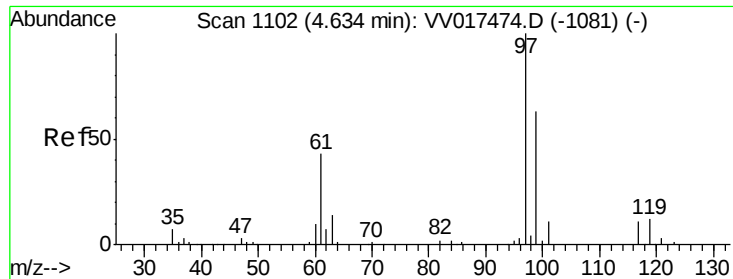
Tot Ion: 83 Resp: 10613
Ion Ratio Lower Upper
83 100
85 63.0 45.4 84.4



#27
1,2-Dichloroethane
Concen: 0.557 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. -0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Tgt Ion: 62 Resp: 6881
Ion Ratio Lower Upper
62 100
98 7.1 6.2 9.2

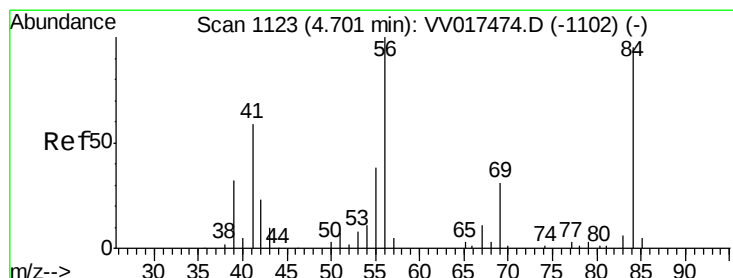
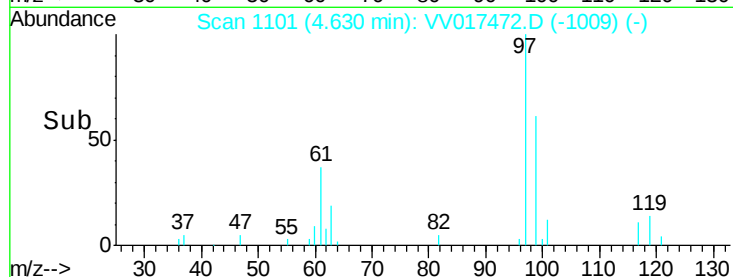
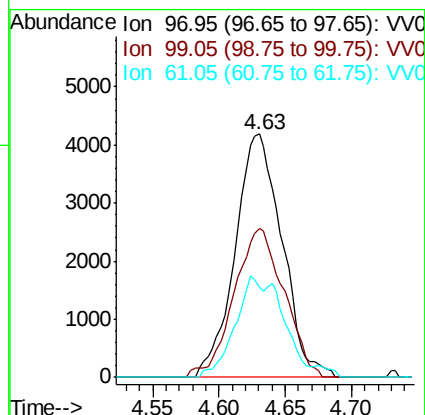
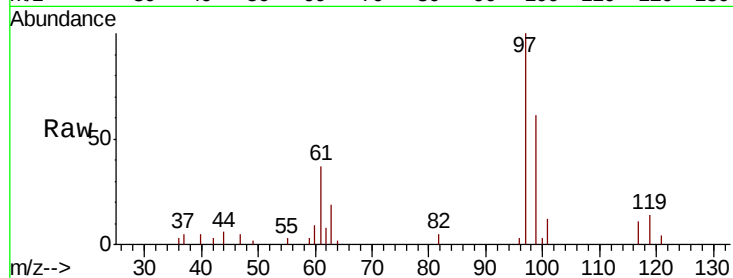




#29
 1,1,1-Trichloroethane
 Concen: 0.566 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

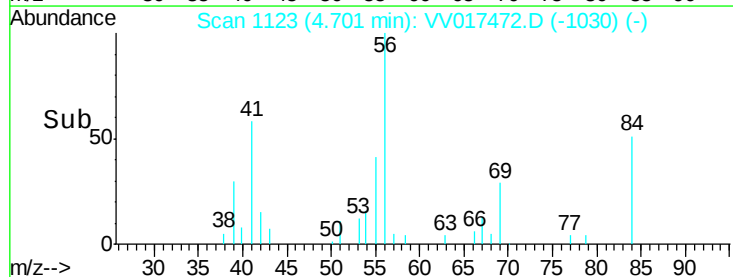
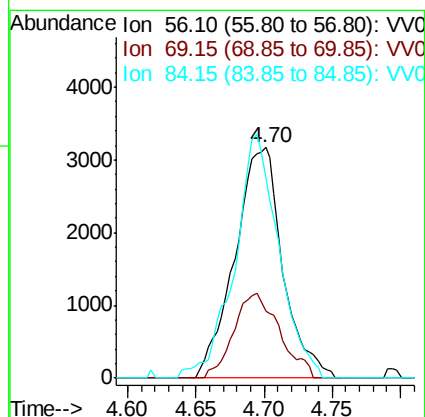
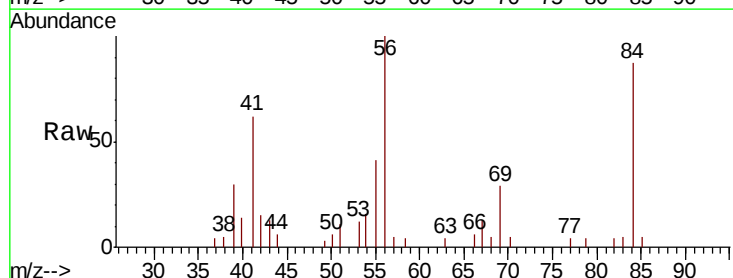
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

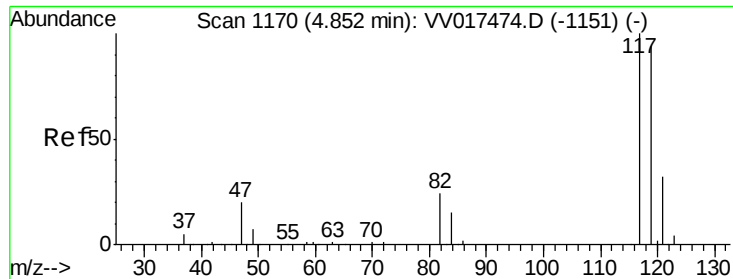
Tot Ion: 97 Resp: 10327
 Ion Ratio Lower Upper
 97 100
 99 65.3 49.1 73.7
 61 24.4 34.3 51.5#



#30
 Cyclohexane
 Concen: 0.468 ug/L
 RT: 4.70 min Scan# 1123
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion: 56 Resp: 7757
 Ion Ratio Lower Upper
 56 100
 69 35.2 26.0 39.0
 84 97.0 77.9 116.9





#31

Carbon tetrachloride

Concen: 0.581 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

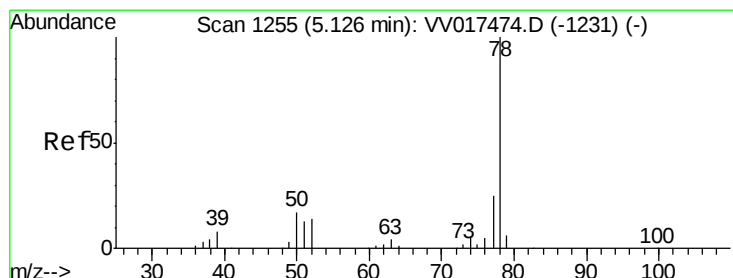
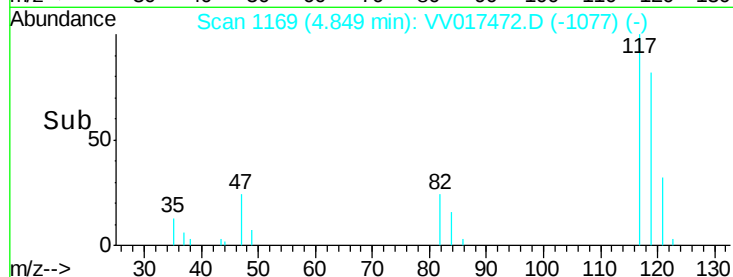
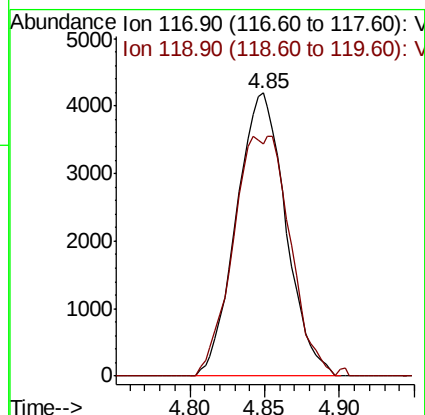
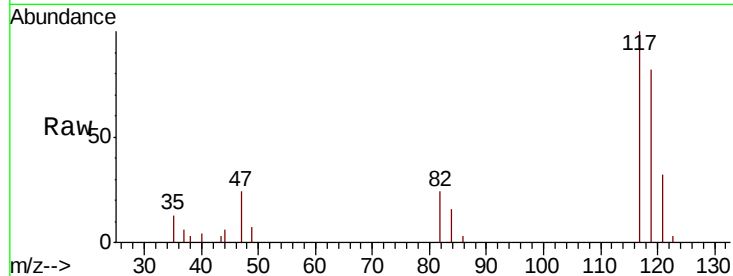
VSTD0.535

Tot Ion:117 Resp: 9634

Ion Ratio Lower Upper

117 100

119 53.6 77.6 116.4#



#33

Benzene

Concen: 0.502 ug/L

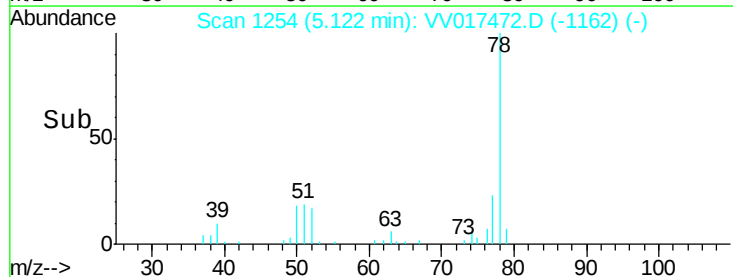
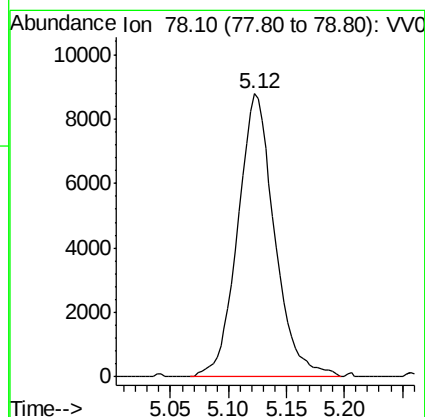
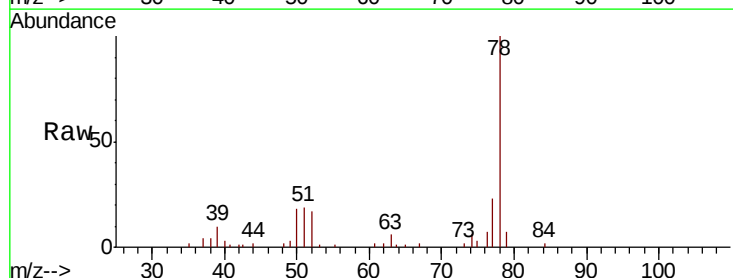
RT: 5.12 min Scan# 1254

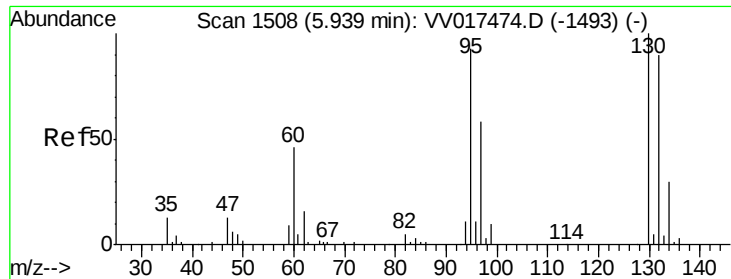
Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Tgt Ion: 78 Resp: 19416

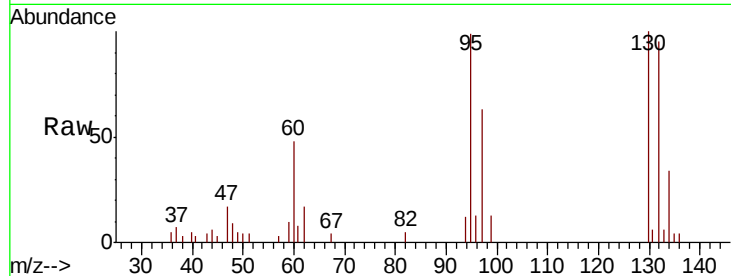




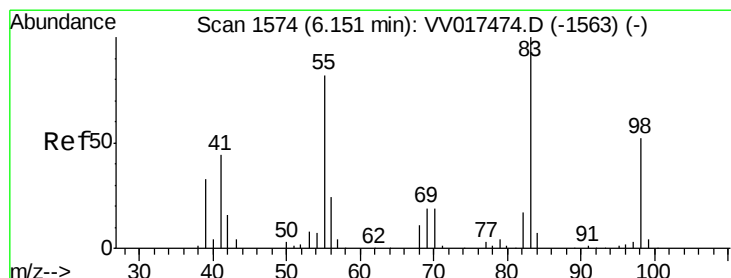
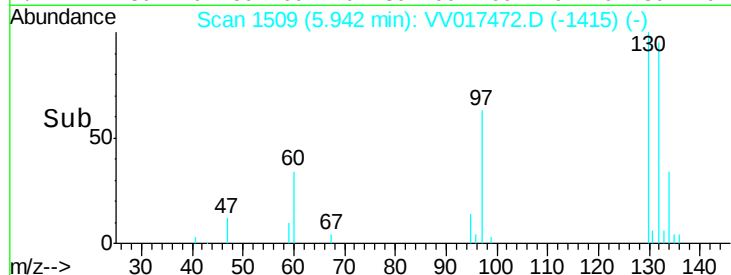
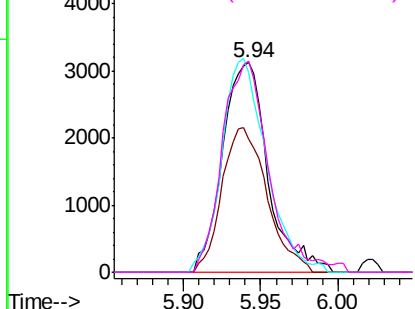
#34
 Trichloroethene
 Concen: 0.558 ug/L
 RT: 5.94 min Scan# 1509
 Delta R.T. 0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tot Ion: 95 Resp: 6362
 Ion Ratio Lower Upper
 95 100
 97 63.5 43.9 81.5
 132 95.5 67.9 126.1
 130 100.9 75.2 139.6

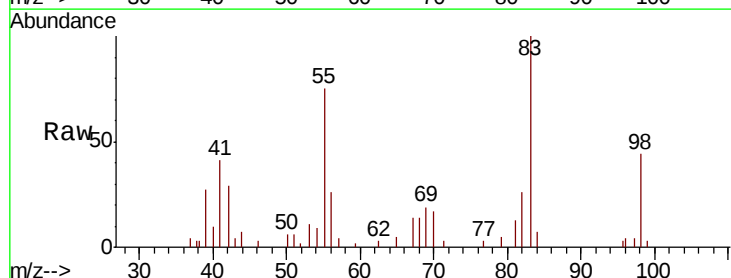


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 96.95 (96.65 to 97.65): VV0
 Ion 131.95 (131.65 to 132.65): VV0
 Ion 129.95 (129.65 to 130.65): VV0

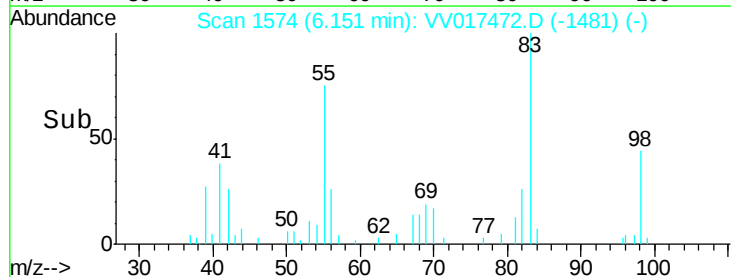
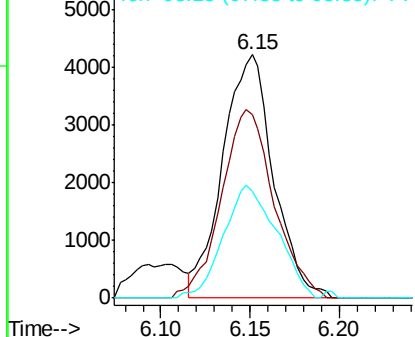


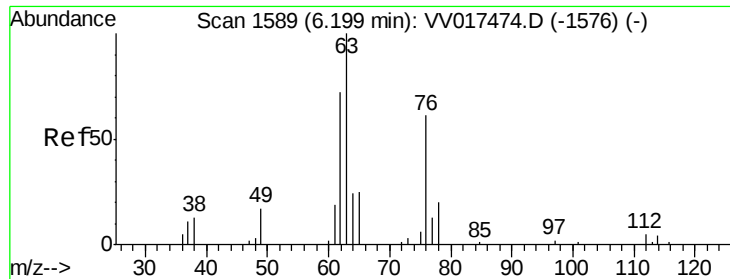
#35
 Methylcyclohexane
 Concen: 0.478 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion: 83 Resp: 8362
 Ion Ratio Lower Upper
 83 100
 55 80.5 62.0 93.0
 98 48.7 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

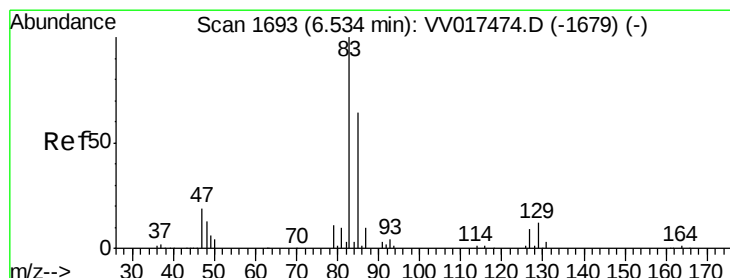
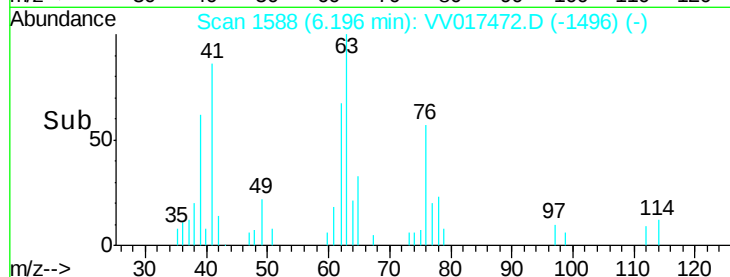
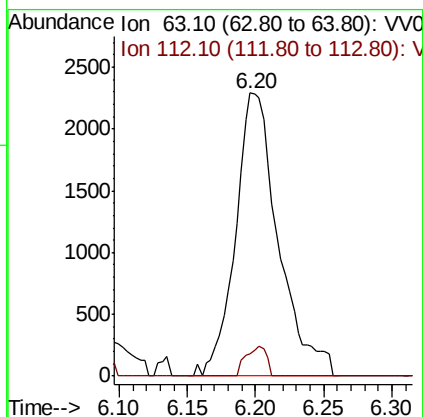
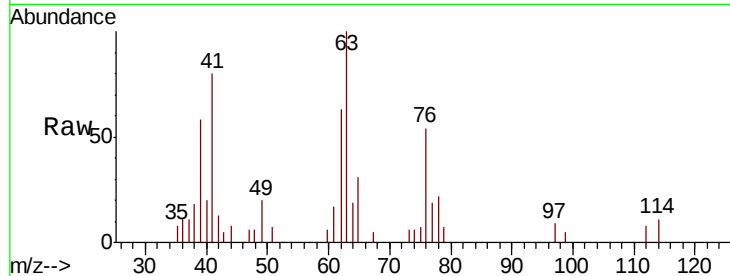




#37
 1,2-Dichloropropane
 Concen: 0.537 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

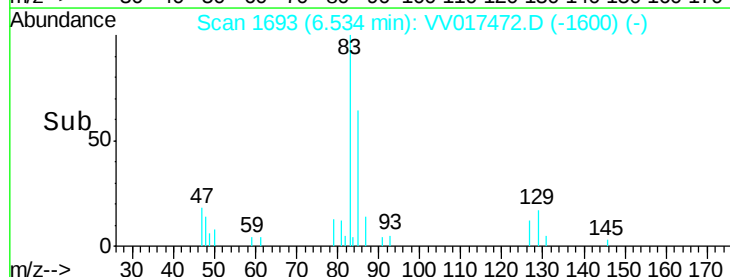
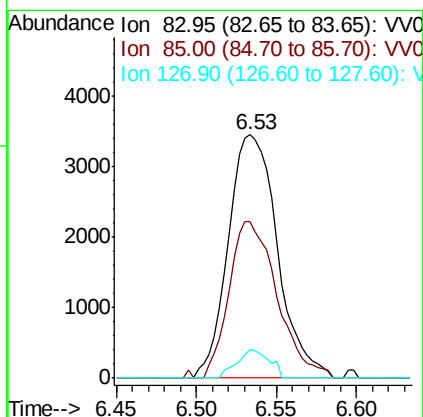
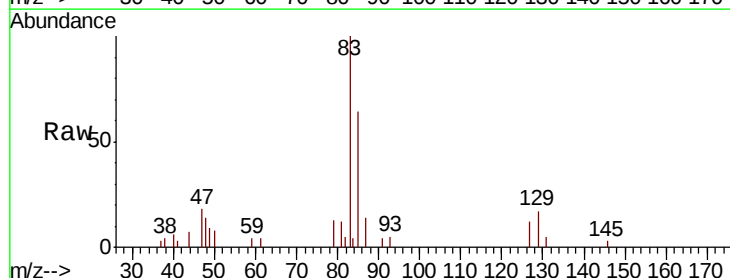
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

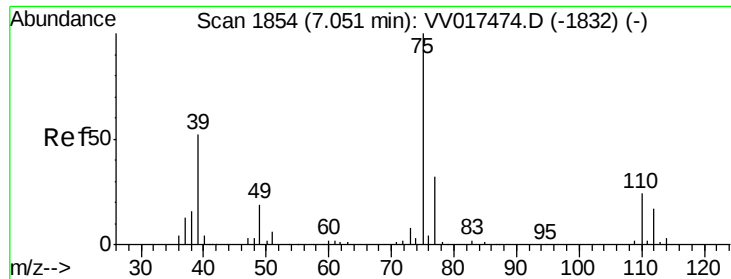
Tot Ion: 63 Resp: 5011
 Ion Ratio Lower Upper
 63 100
 112 5.0 4.4 6.6



#38
 Bromodichloromethane
 Concen: 0.549 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion: 83 Resp: 7267
 Ion Ratio Lower Upper
 83 100
 85 64.2 45.0 83.6
 127 11.7 7.5 11.3#

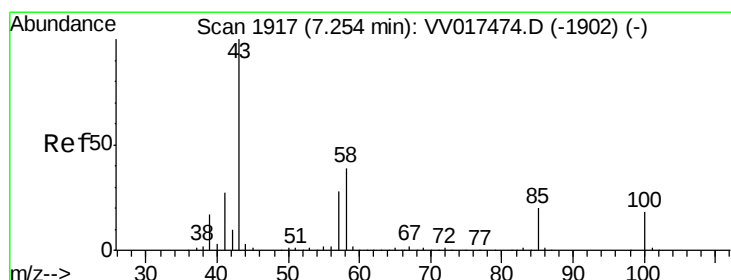
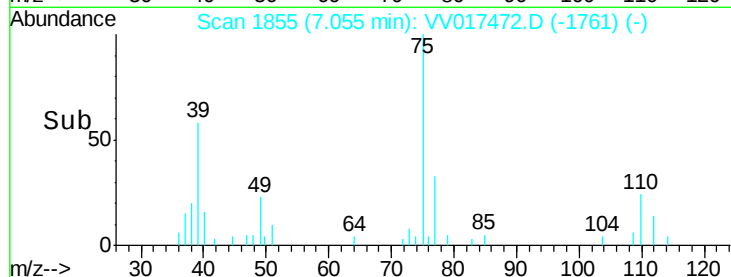
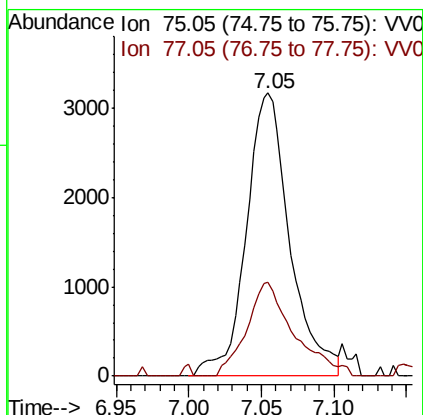
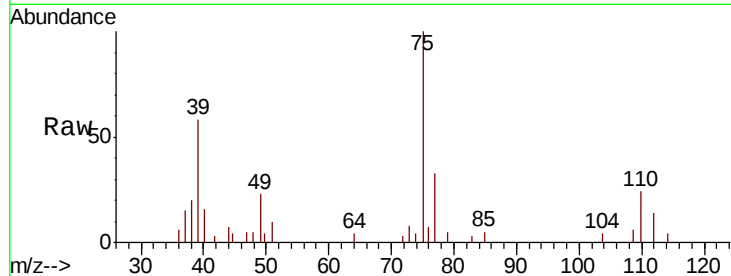




#39
 cis-1,3-Dichloropropene
 Concen: 0.468 ug/L
 RT: 7.05 min Scan# 1855
 Delta R.T. 0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

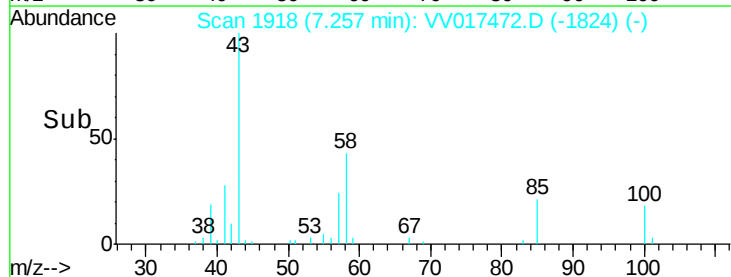
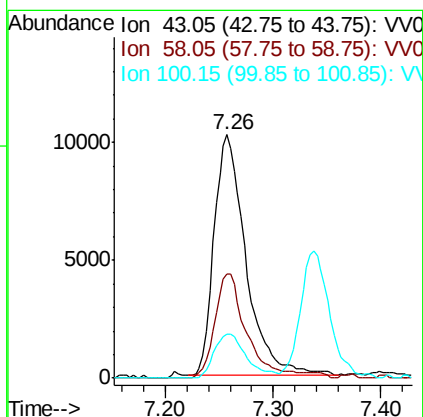
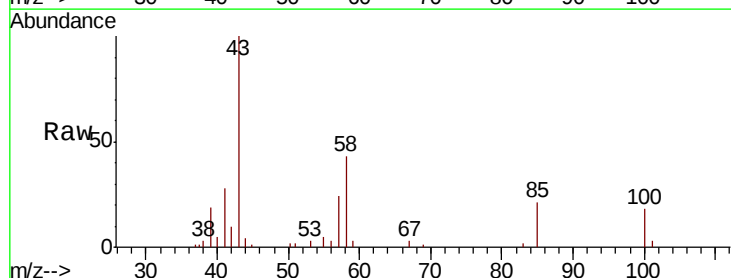
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

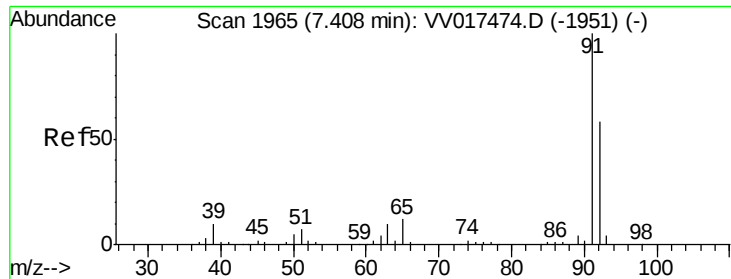
Tot Ion: 75 Resp: 6648
 Ion Ratio Lower Upper
 75 100
 77 33.4 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 3.860 ug/L
 RT: 7.26 min Scan# 1918
 Delta R.T. 0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion: 43 Resp: 20813
 Ion Ratio Lower Upper
 43 100
 58 43.7 31.0 46.4
 100 18.7 14.4 21.6





#42

Toluene

Concen: 0.457 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

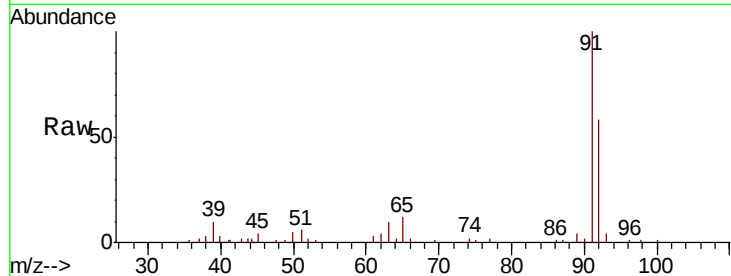
VSTD0.535

Tot Ion: 91 Resp: 20488

Ion Ratio Lower Upper

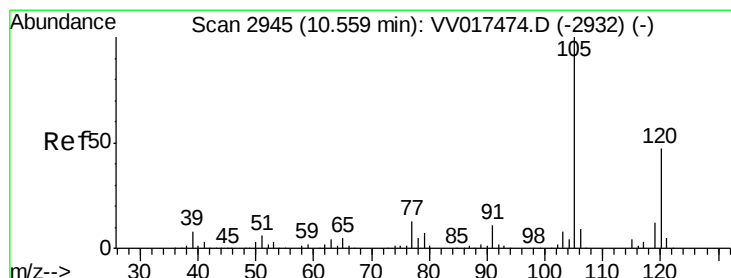
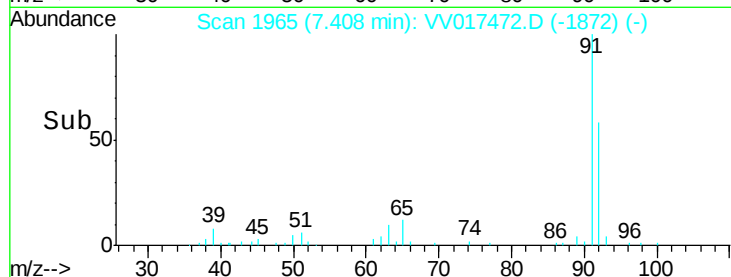
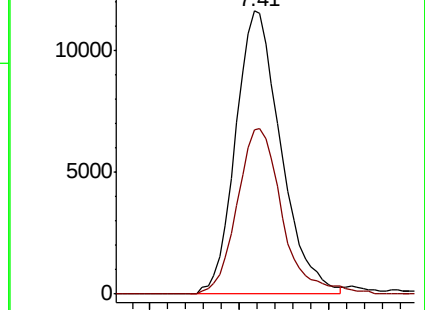
91 100

92 57.9 40.7 75.5



Abundance Ion 91.15 (90.85 to 91.85): VV017474.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV017474.D (-1951) (-)



#43

1,3,5-Trimethylbenzene

Concen: 0.454 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017472.D

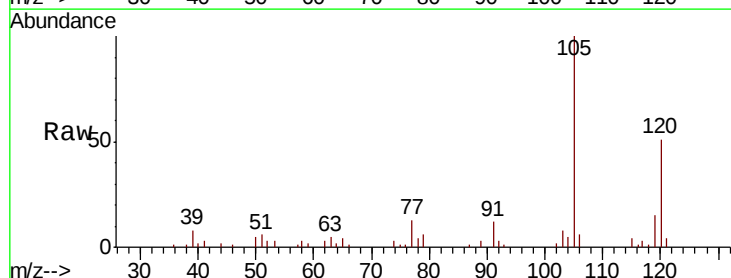
Acq: 14 Jul 2020 09:30

Tgt Ion: 105 Resp: 18435

Ion Ratio Lower Upper

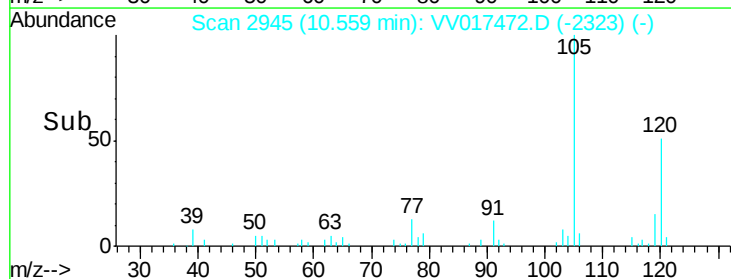
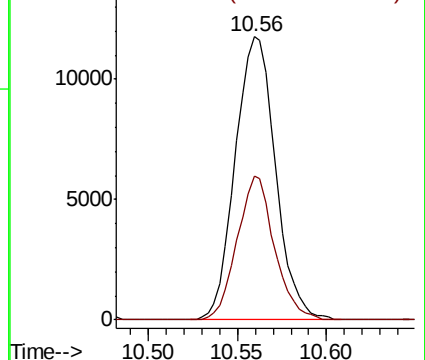
105 100

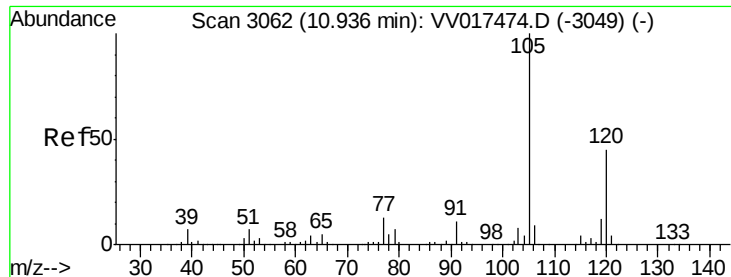
120 47.0 38.6 58.0



Abundance Ion 105.00 (104.70 to 105.70): VV017474.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV017474.D (-2932) (-)





#44

1,2,4-Trimethylbenzene

Concen: 0.430 ug/L

RT: 10.94 min Scan# 3062

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

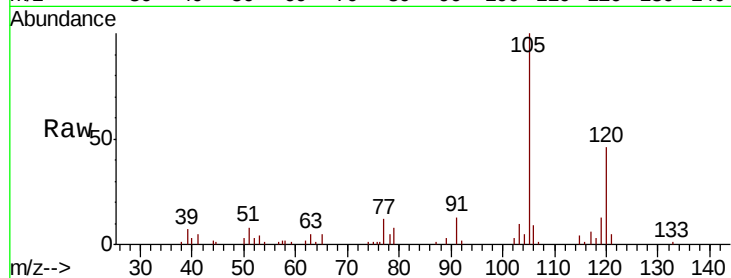
VSTD0.535

Tot Ion:105 Resp: 17707

Ion Ratio Lower Upper

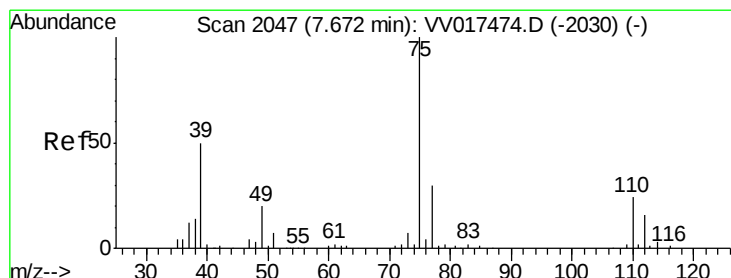
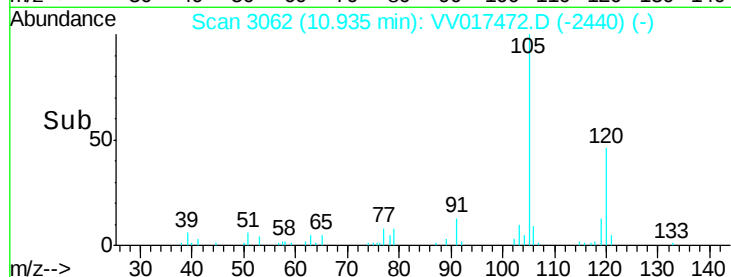
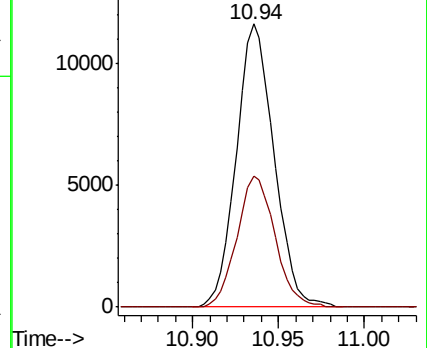
105 100

120 46.5 35.6 53.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#46

trans-1,3-Dichloropropene

Concen: 0.484 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV017472.D

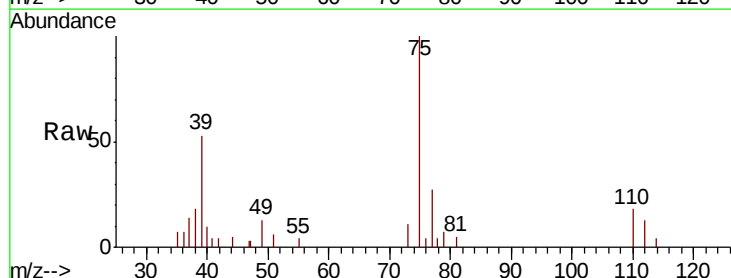
Acq: 14 Jul 2020 09:30

Tgt Ion: 75 Resp: 6020

Ion Ratio Lower Upper

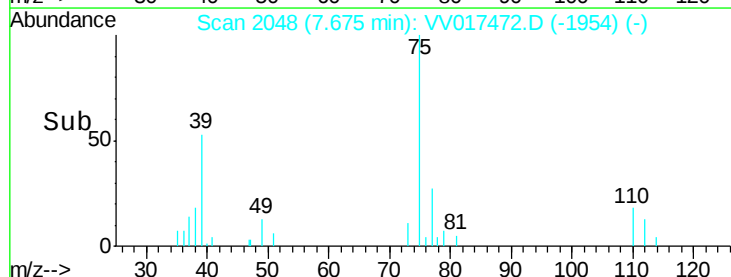
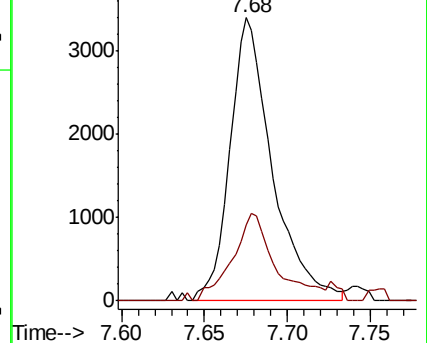
75 100

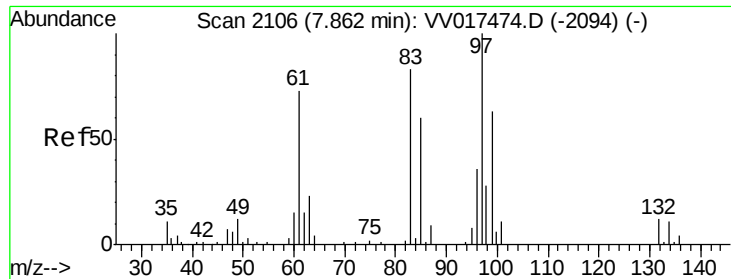
77 26.8 21.2 39.4



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

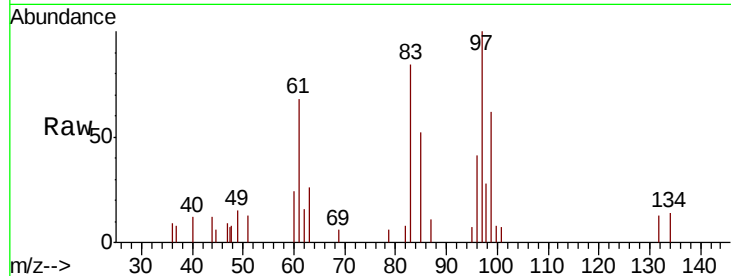




#47
 1,1,2-Trichloroethane
 Concen: 0.511 ug/L
 RT: 7.86 min Scan# 2107
 Delta R.T. 0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tot Ion:	97	Resp:	3439
Ion	Ratio	Lower	Upper
97	100		
99	61.5	44.0	81.6
83	84.4	57.7	107.3
85	51.9	41.9	77.9



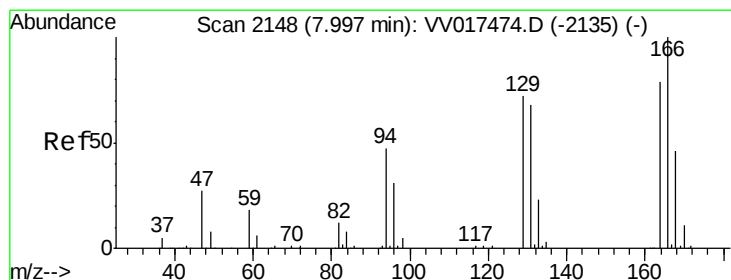
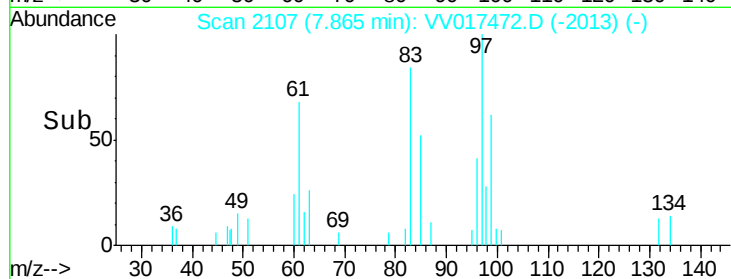
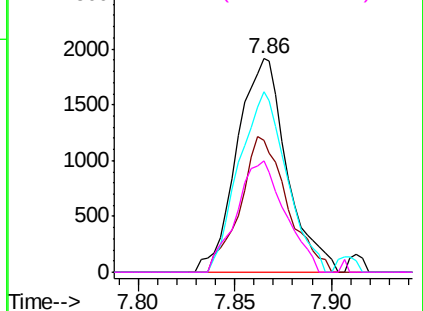
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

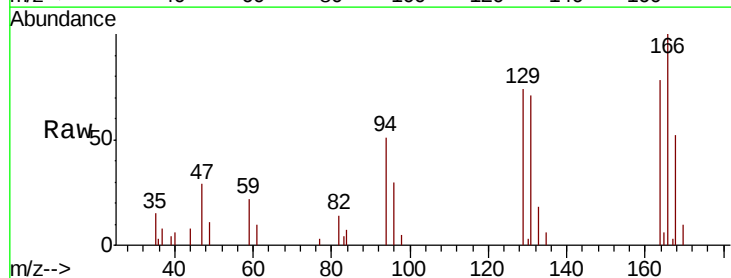
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49
 Tetrachloroethene
 Concen: 0.552 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion:	164	Resp:	5138
Ion	Ratio	Lower	Upper
164	100		
129	94.7	64.1	119.1
131	91.4	60.6	112.6
166	128.3	88.8	164.8



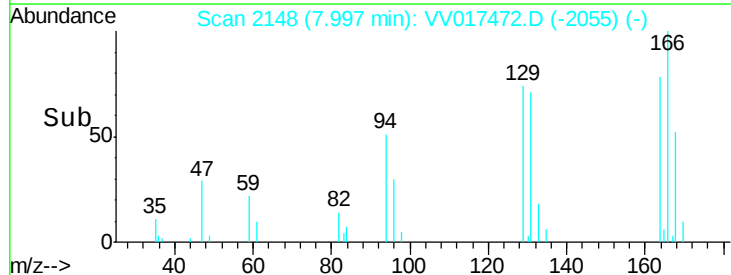
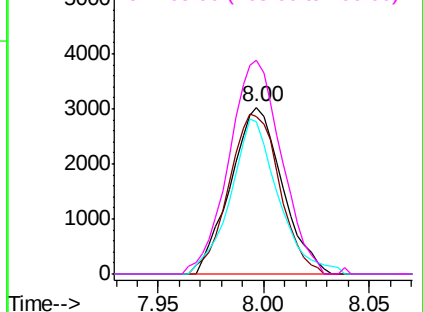
Abundance

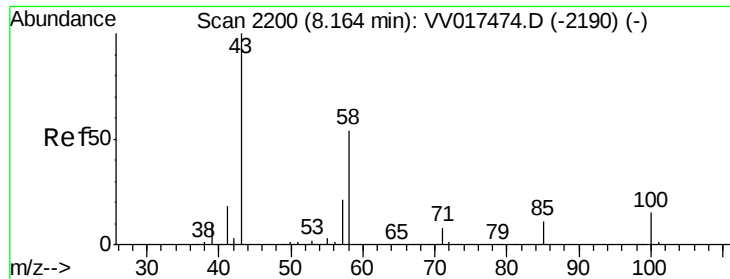
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

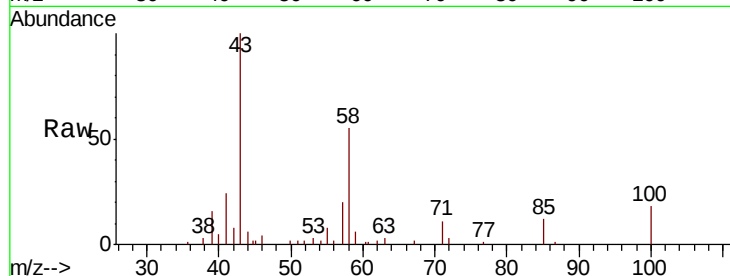




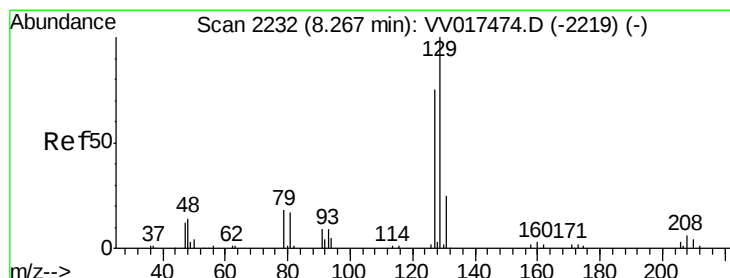
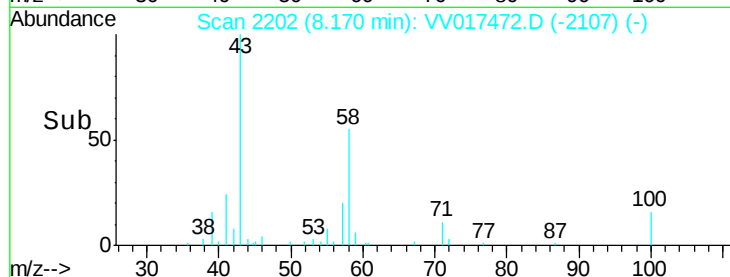
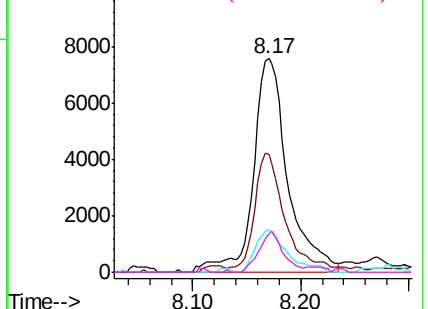
#50
2-Hexanone
Concen: 4.388 ug/L
RT: 8.17 min Scan# 2202
Delta R.T. 0.01 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Instrument :
MSVOA_V
ClientSampleId :
VSTD0.535

Tot Ion: 43 Resp: 16828
Ion Ratio Lower Upper
43 100
58 46.6 43.0 64.4
57 18.2 16.8 25.2
100 13.4 11.8 17.6

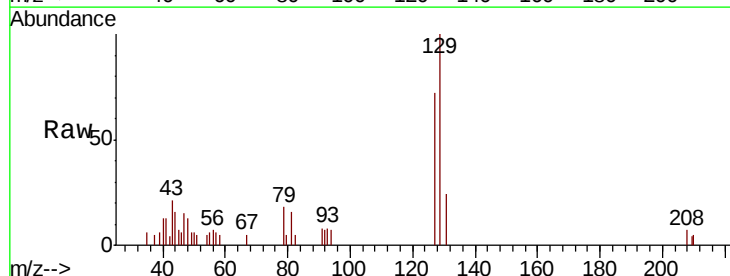


Abundance Ion 43.05 (42.75 to 43.75): VV017472.D (-2107) (-)
Ion 58.05 (57.75 to 58.75): VV017472.D (-2107) (-)
Ion 57.20 (56.90 to 57.90): VV017472.D (-2107) (-)
Ion 100.15 (99.85 to 100.85): VV017472.D (-2107) (-)

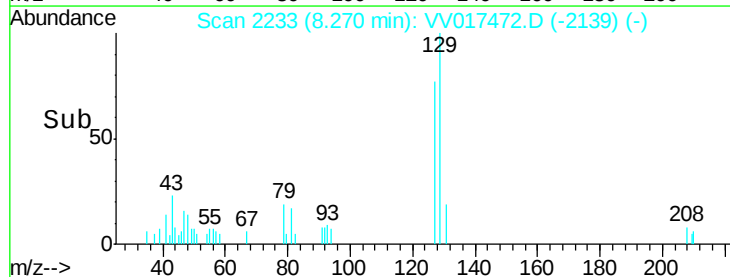
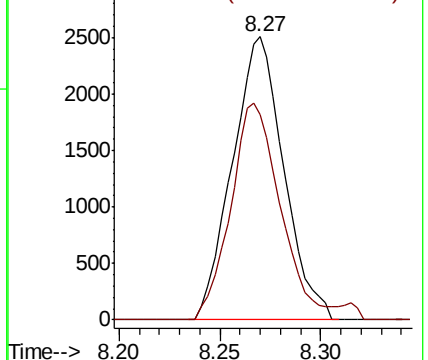


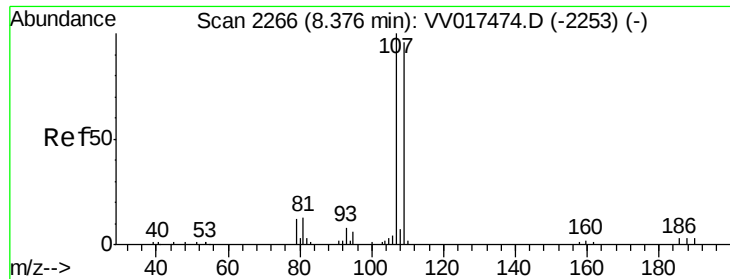
#51
Dibromochloromethane
Concen: 0.530 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017472.D
Acq: 14 Jul 2020 09:30

Tgt Ion: 129 Resp: 4461
Ion Ratio Lower Upper
129 100
127 72.5 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): VV017472.D (-2139) (-)
Ion 126.90 (126.60 to 127.60): VV017472.D (-2139) (-)

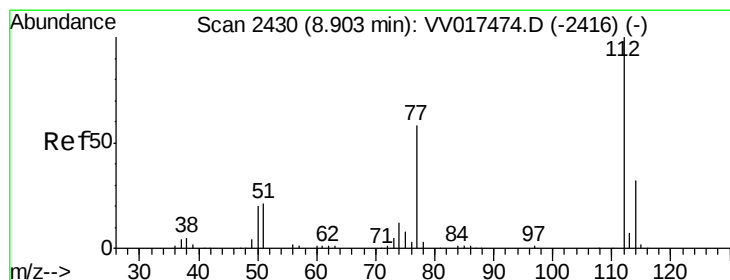
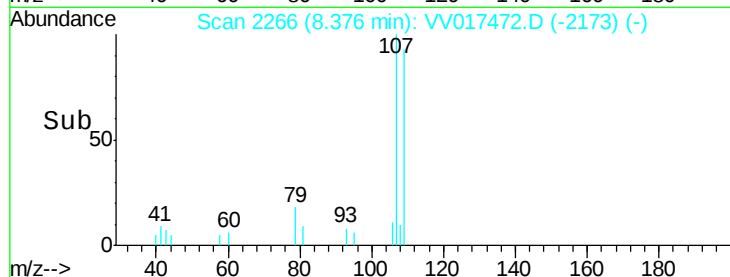
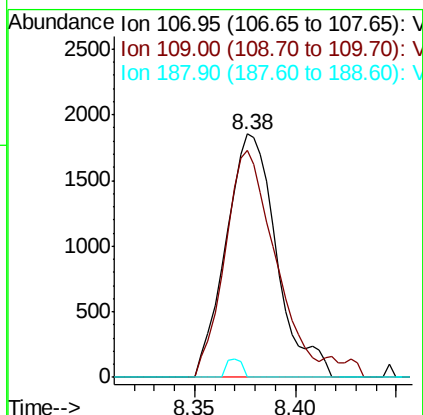
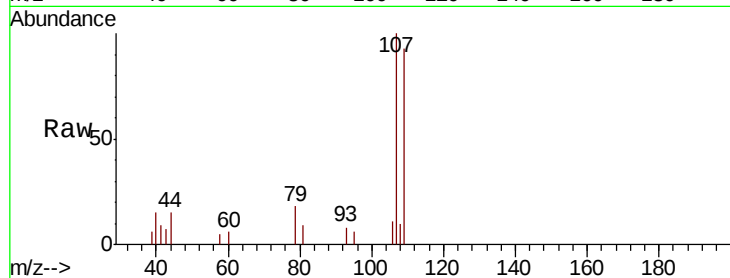




#52
 1,2-Dibromoethane
 Concen: 0.504 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

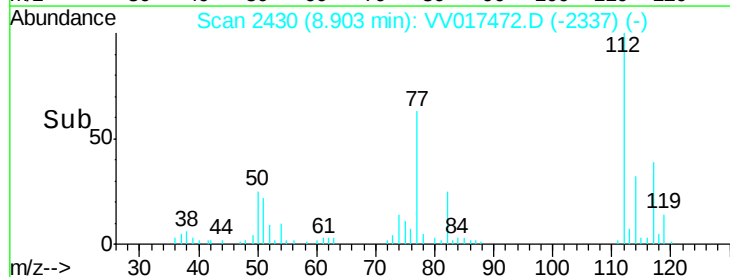
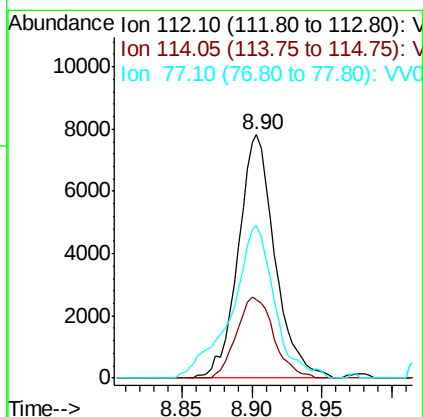
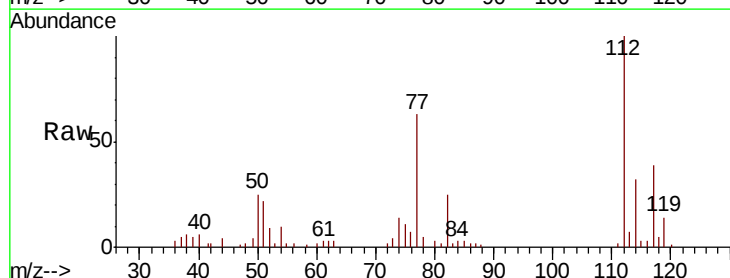
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

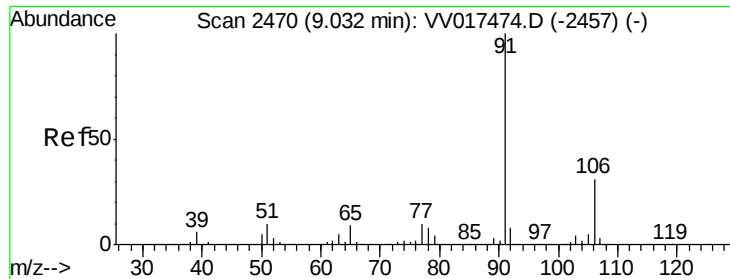
Tot Ion:107 Resp: 3244
 Ion Ratio Lower Upper
 107 100
 109 93.3 67.0 124.4
 188 0.0 2.7 4.1#



#53
 Chlorobenzene
 Concen: 0.505 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion:112 Resp: 14227
 Ion Ratio Lower Upper
 112 100
 114 32.2 22.4 41.6
 77 62.5 47.0 70.4





#54

Ethylbenzene

Concen: 0.479 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

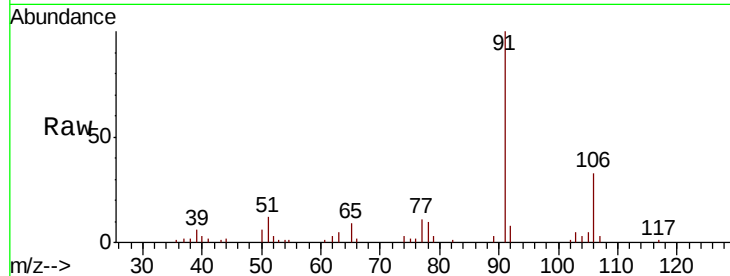
VSTD0.535

Tot Ion: 91 Resp: 22988

Ion Ratio Lower Upper

91 100

106 33.5 21.9 40.7



Abundance Ion 91.15 (90.85 to 91.85): VV017472.D (-2377) (-)

Ion 106.15 (105.85 to 106.85): VV017472.D (-2377) (-)

9.04

15000

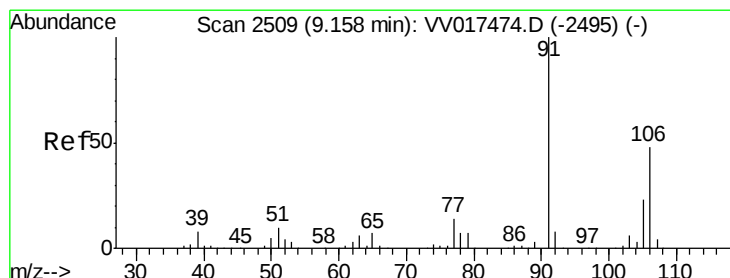
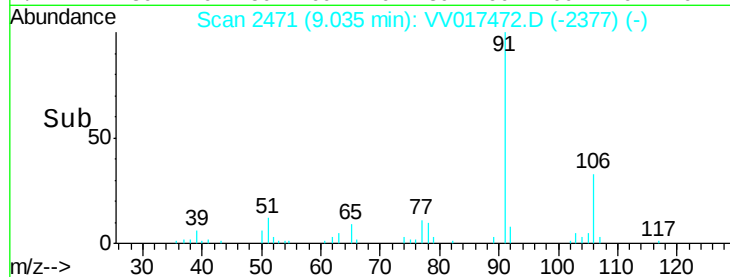
10000

5000

0

Time-->

9.00 9.05 9.10



#55

m,p-xylene

Concen: 0.453 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017472.D

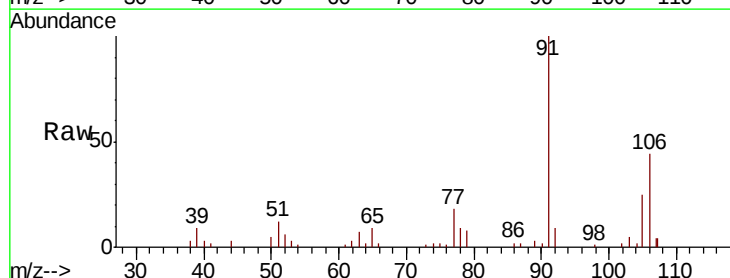
Acq: 14 Jul 2020 09:30

Tgt Ion: 106 Resp: 8525

Ion Ratio Lower Upper

106 100

91 224.8 144.2 267.8



Abundance Ion 106.15 (105.85 to 106.85): VV017472.D (-2416) (-)

Ion 91.15 (90.85 to 91.85): VV017472.D (-2416) (-)

9.16

12000

10000

8000

6000

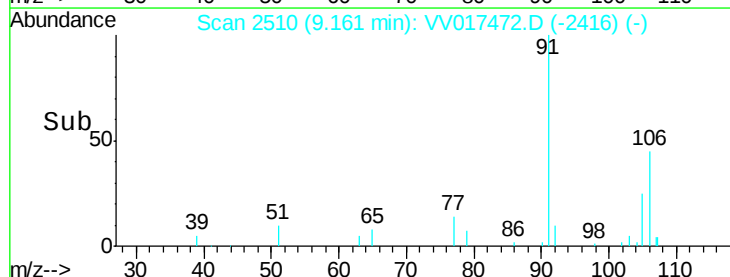
4000

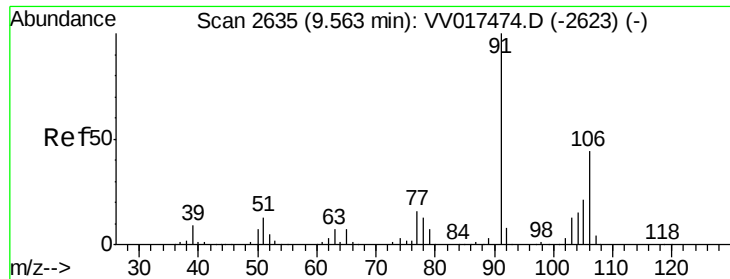
2000

0

Time-->

9.10 9.15 9.20





#56

o-xylene

Concen: 0.492 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

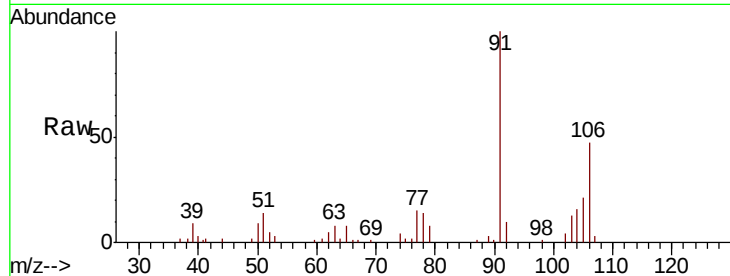
VSTD0.535

Tot Ion:106 Resp: 8638

Ion Ratio Lower Upper

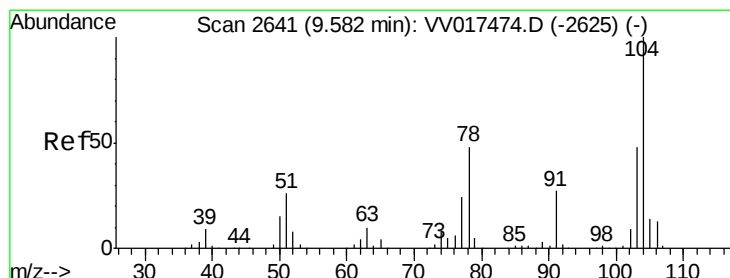
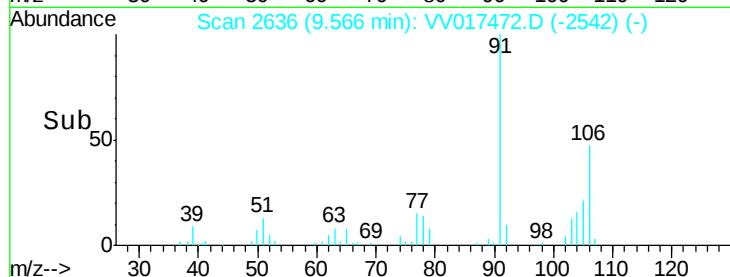
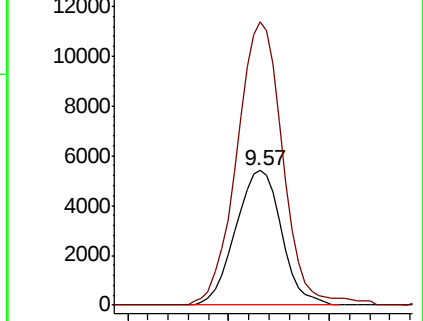
106 100

91 210.7 158.8 294.8



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#57

Styrene

Concen: 0.461 ug/L

RT: 9.58 min Scan# 2642

Delta R.T. 0.00 min

Lab File: VV017472.D

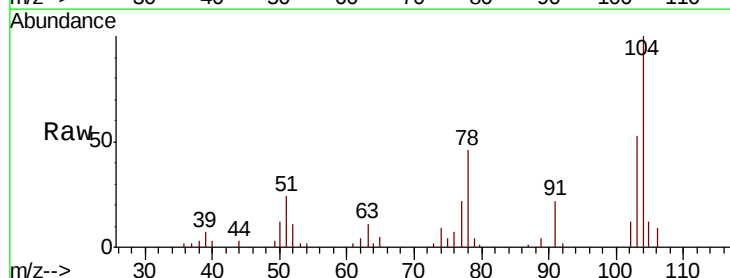
Acq: 14 Jul 2020 09:30

Tgt Ion:104 Resp: 13520

Ion Ratio Lower Upper

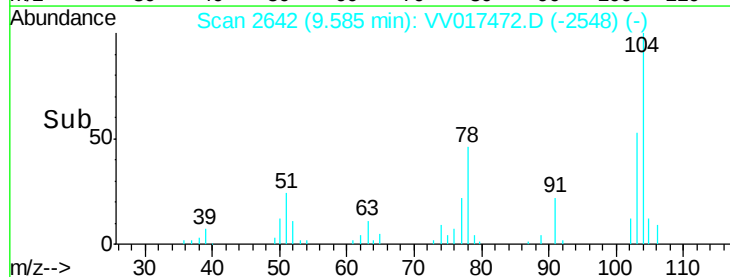
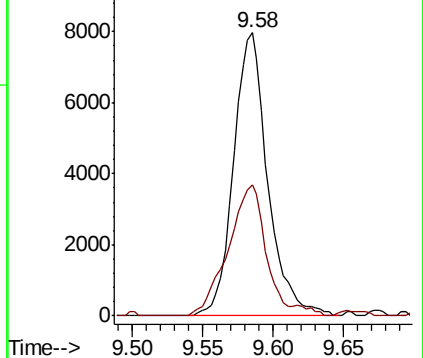
104 100

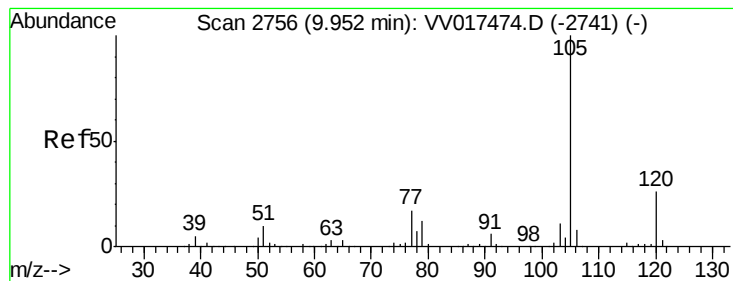
78 46.4 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 0.488 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

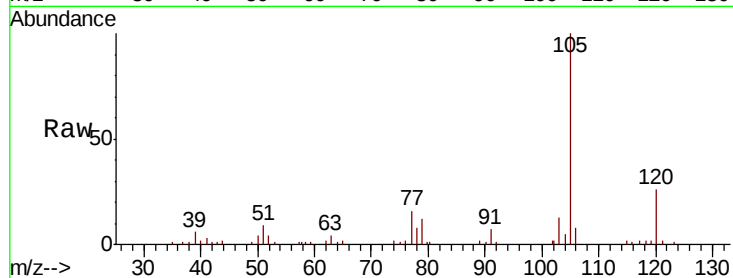
Tot Ion:105 Resp: 23767

Ion Ratio Lower Upper

105 100

120 25.4 21.3 31.9

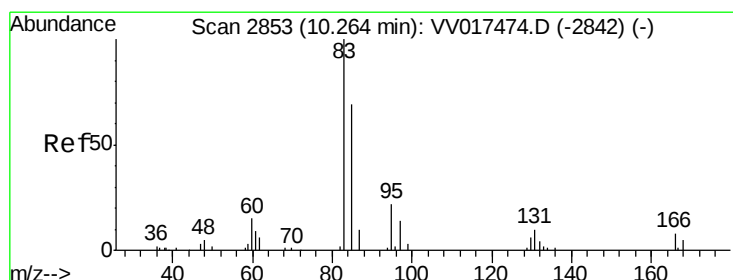
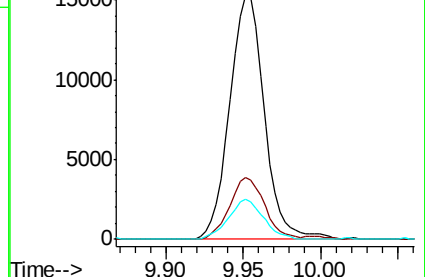
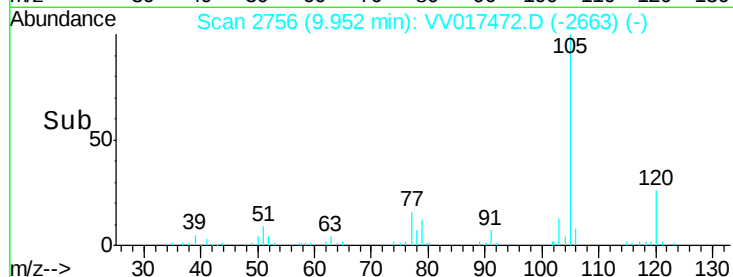
77 16.6 13.3 19.9



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: 0.480 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

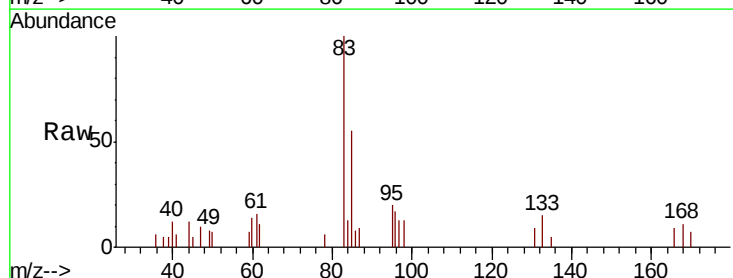
Tgt Ion: 83 Resp: 3328

Ion Ratio Lower Upper

83 100

85 55.3 49.1 91.3

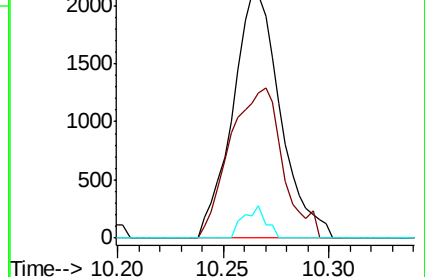
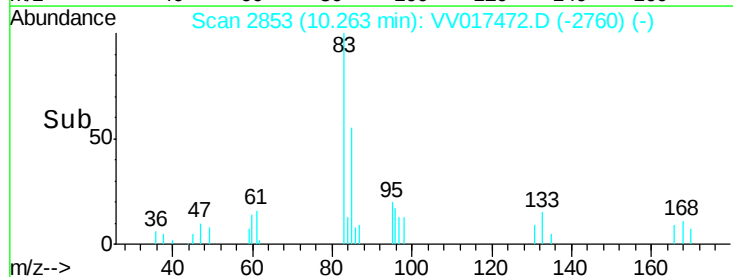
131 9.0 9.8 14.6#

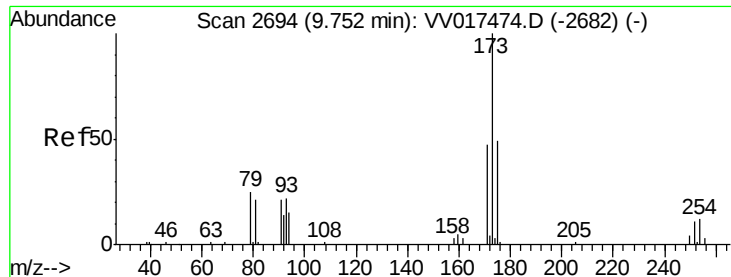


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 0.572 ug/L

RT: 9.76 min Scan# 2696

Delta R.T. 0.01 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

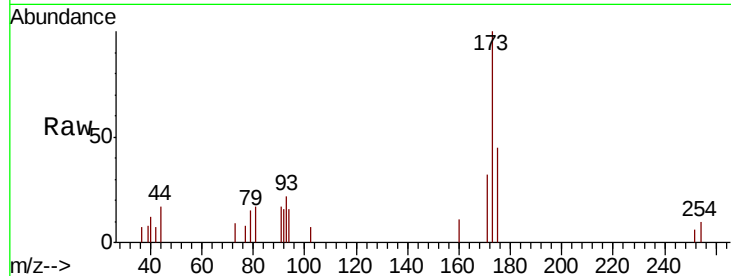
Tot Ion:173 Resp: 2466

Ion Ratio Lower Upper

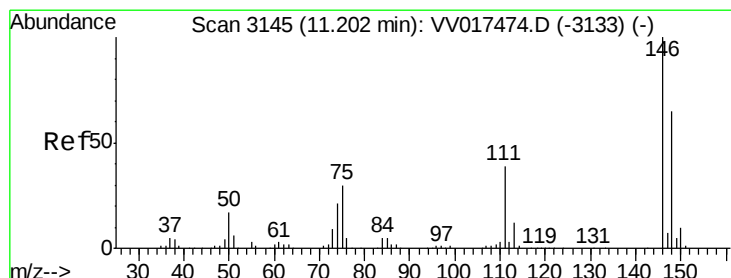
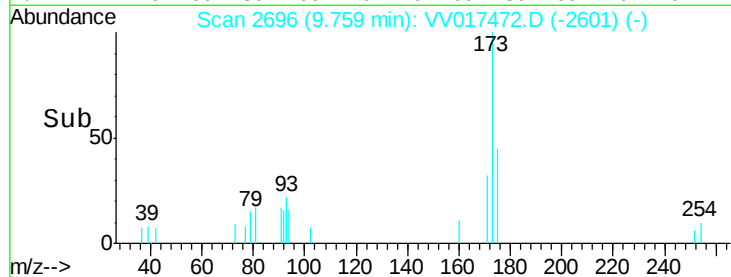
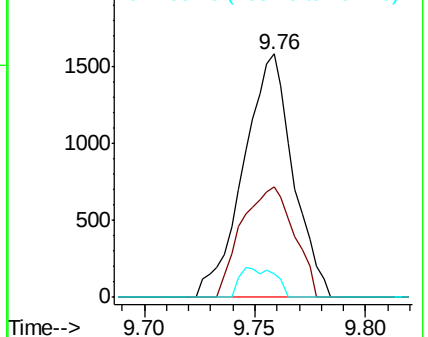
173 100

175 48.0 39.8 59.8

254 8.6 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: 0.501 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

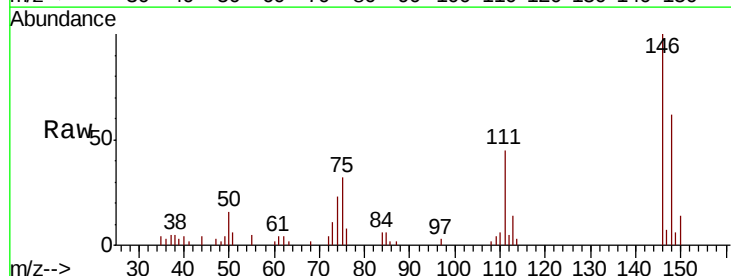
Tgt Ion:146 Resp: 11747

Ion Ratio Lower Upper

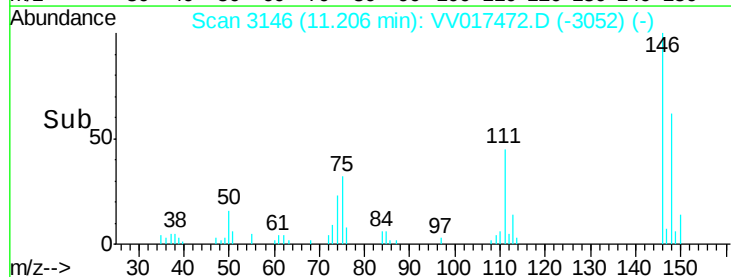
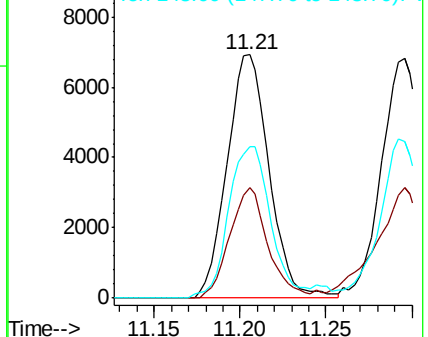
146 100

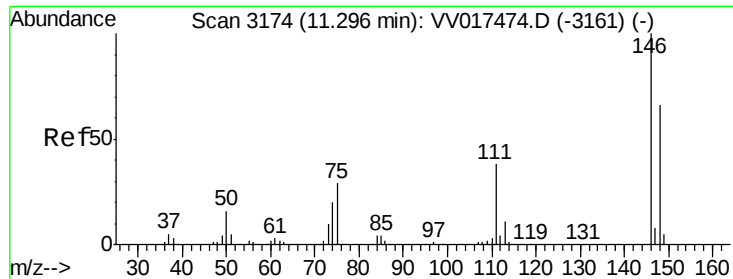
111 45.4 27.2 50.6

148 62.1 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: 0.501 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

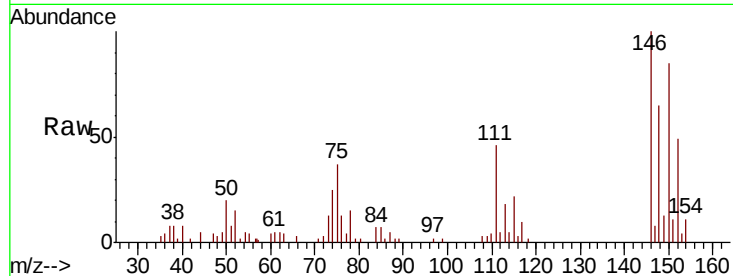
Tot Ion:146 Resp: 11919

Ion Ratio Lower Upper

146 100

111 46.2 26.9 50.1

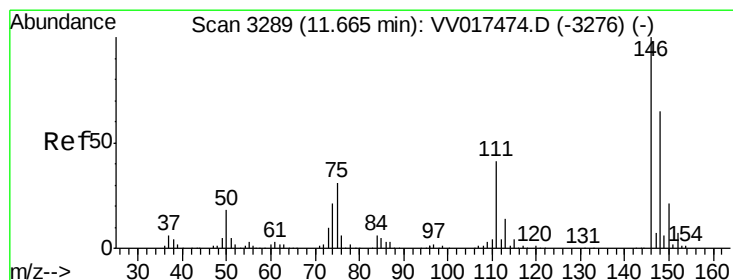
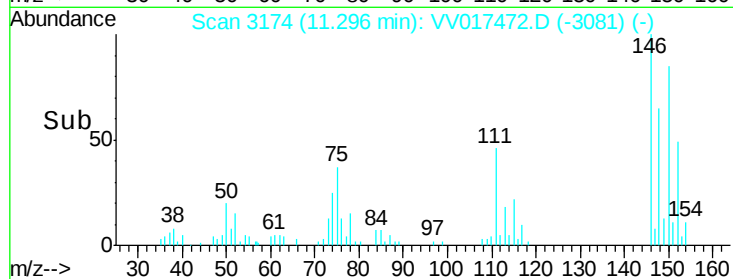
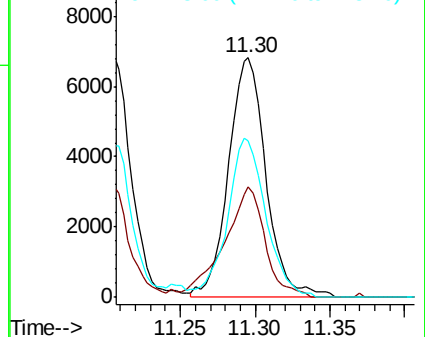
148 65.2 46.1 85.5



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: 0.525 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

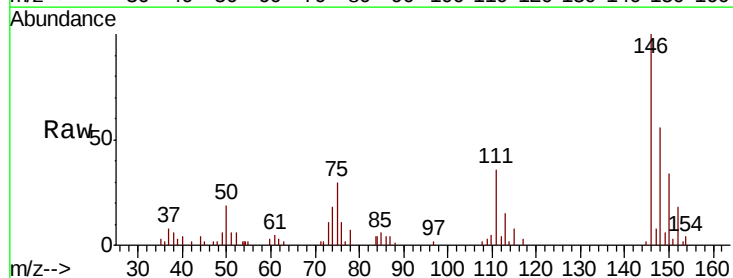
Tgt Ion:146 Resp: 11153

Ion Ratio Lower Upper

146 100

111 36.5 32.7 49.1

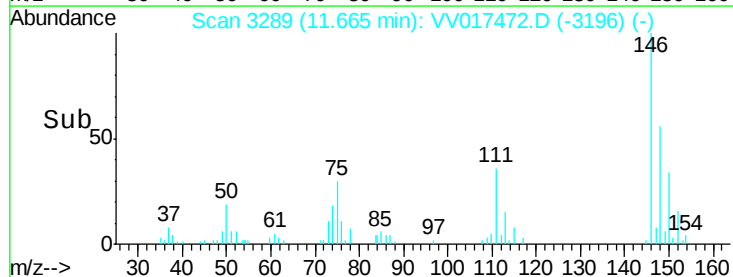
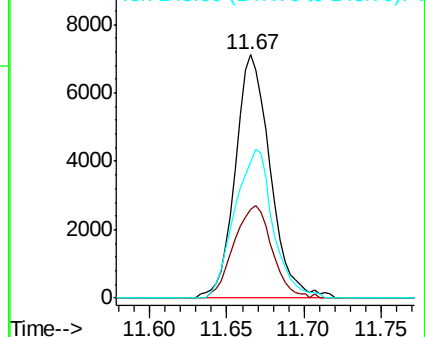
148 55.8 52.3 78.5

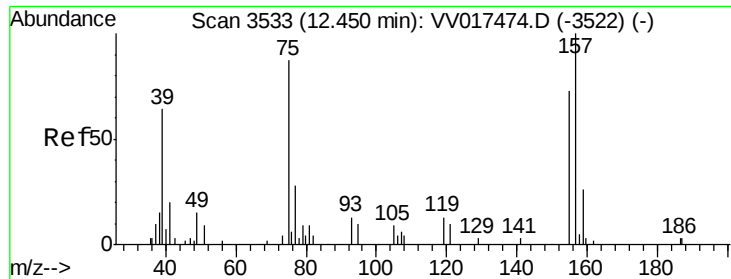


Abundance Ion 145.95 (145.65 to 146.65): V

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: 0.490 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.535

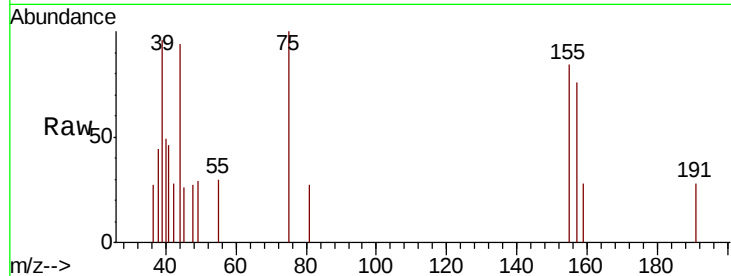
Tot Ion: 75 Resp: 596

Ion Ratio Lower Upper

75 100

155 83.8 67.5 101.3

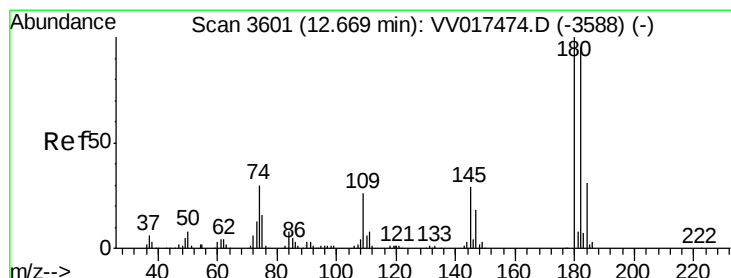
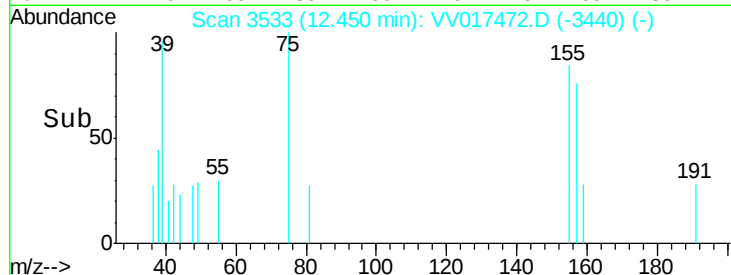
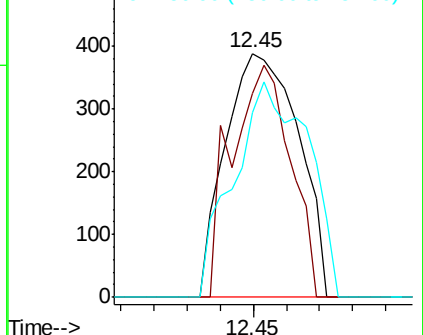
157 75.8 92.5 138.7#



Abundance Ion 75.05 (74.75 to 75.75): VV017472.D (-3440) (-)

Ion 154.95 (154.65 to 155.65): VV017472.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017472.D (-3440) (-)



#68

1,3,5-Trichlorobenzene

Concen: 0.487 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. -0.00 min

Lab File: VV017472.D

Acq: 14 Jul 2020 09:30

Tgt Ion: 180 Resp: 9198

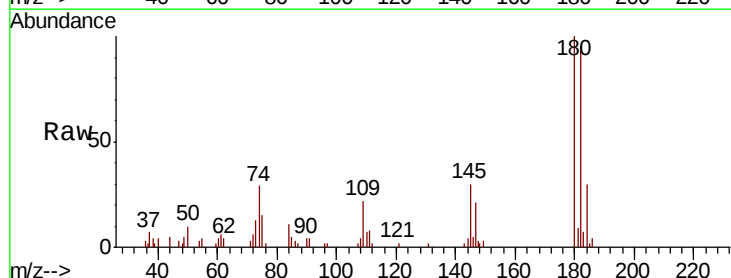
Ion Ratio Lower Upper

180 100

182 97.5 76.2 114.4

184 28.4 24.3 36.5

145 32.2 24.2 36.4

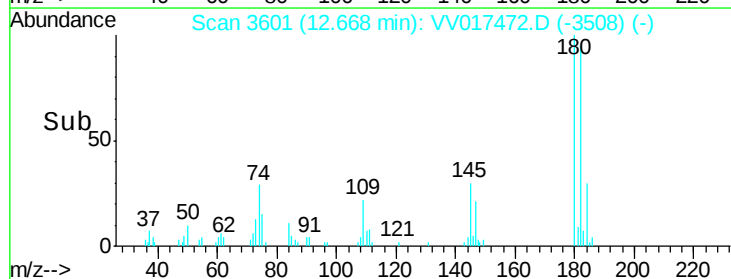
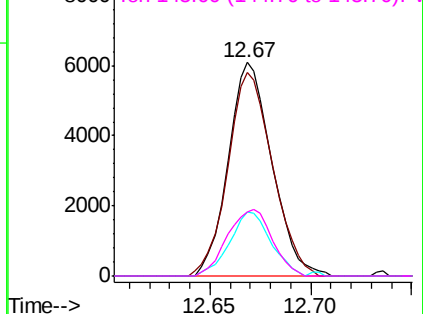


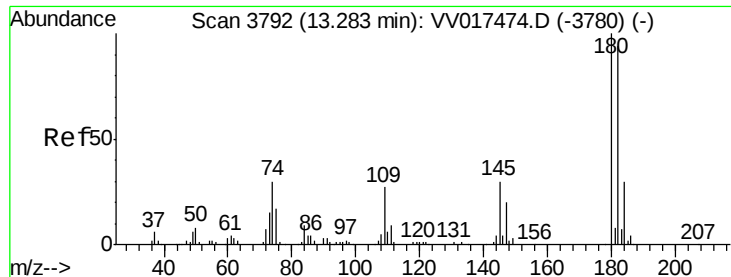
Abundance Ion 180.00 (179.70 to 180.70): VV017472.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017472.D (-3508) (-)

Ion 184.00 (183.70 to 184.70): VV017472.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017472.D (-3508) (-)

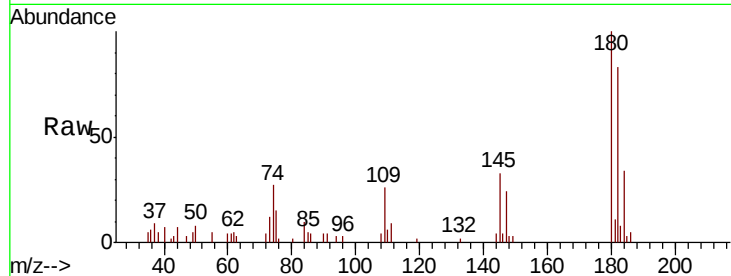




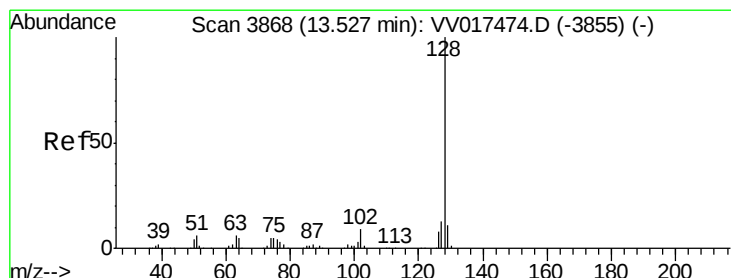
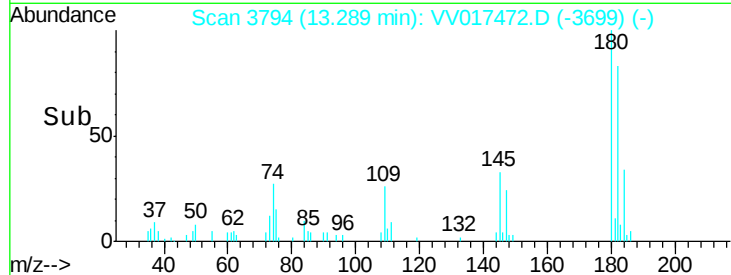
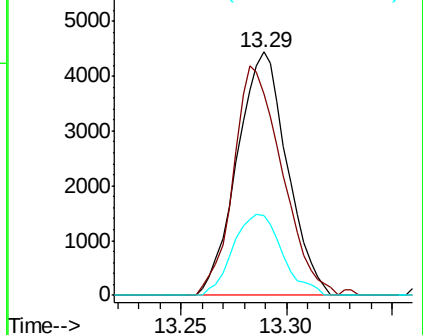
#69
 1,2,4-trichlorobenzene
 Concen: 0.471 ug/L
 RT: 13.29 min Scan# 3794
 Delta R.T. 0.01 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tot Ion	Ratio	Lower	Upper
180	100		
182	91.4	75.0	112.6
145	32.7	24.5	36.7

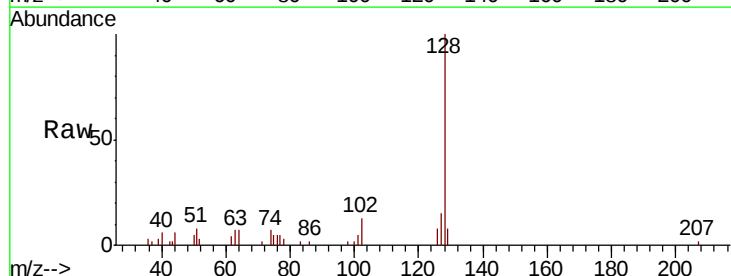


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

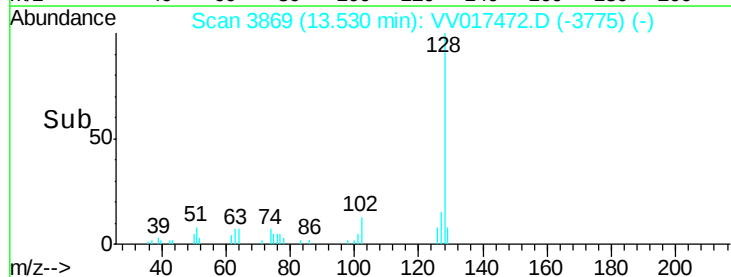
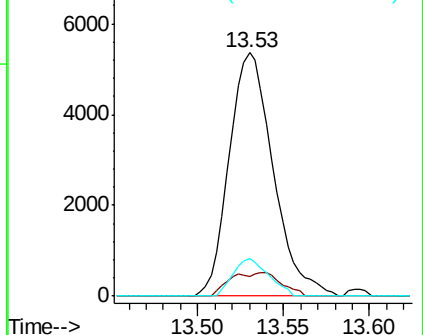


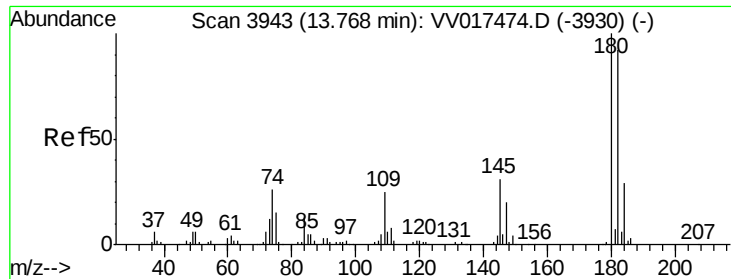
#70
 Naphthalene
 Concen: 0.435 ug/L
 RT: 13.53 min Scan# 3869
 Delta R.T. 0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Tgt Ion	Ratio	Lower	Upper
128	100		
129	6.1	8.5	12.7#
127	12.5	10.6	15.8



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

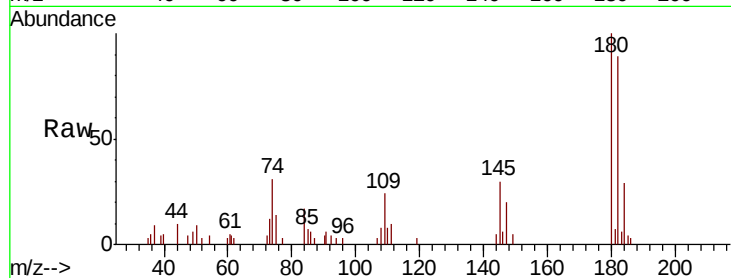




#71
 1,2,3-Trichlorobenzene
 Concen: 0.469 ug/L
 RT: 13.77 min Scan# 3944
 Delta R.T. 0.00 min
 Lab File: VV017472.D
 Acq: 14 Jul 2020 09:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.535

Tot Ion:180 Resp: 6066
 Ion Ratio Lower Upper
 180 100
 182 99.1 74.0 111.0
 145 32.2 26.0 39.0



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

