

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
 Data File : VV017386.D
 Acq On : 08 Jul 2020 10:01
 Operator : SY/MD
 Sample : VSTD00564
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Quant Time: Jul 09 01:16:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	306286	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	290860	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	151900	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	7962	3.93	ug/L	0.00
7) Chloroethane-d5	1.58	69	6148	4.95	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	17529	4.84	ug/L	0.00
21) 2-Butanone-d5	3.93	46	5284	3.57	ug/L	0.03
24) Chloroform-d	4.38	84	18555	4.39	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	11937	4.12	ug/L	0.00
32) Benzene-d6	5.08	84	30112	3.80	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	8756	3.60	ug/L	0.00
41) Toluene-d8	7.34	98	27938	3.81	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	4665	3.58	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	5734	5.48	ug/L	0.01
57) 1,1,2,2-Tetrachloroethane-	10.24	84	12562	3.88	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	12589	4.07	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	17485	6.773 ug/L	96
3) Chloromethane	1.25	50	12343	5.563 ug/L	100
5) Vinyl chloride	1.32	62	11848	5.432 ug/L	96
6) Bromomethane	1.53	94	6399	6.678 ug/L	91
8) Chloroethane	1.60	64	6613	6.119 ug/L	95
9) Trichlorofluoromethane	1.77	101	22493	6.497 ug/L	96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10468	6.160 ug/L	98
12) 1,1-Dichloroethene	2.14	96	9805	6.258 ug/L #	72
13) Acetone	2.20	43	17329	15.246 ug/L	96
14) Carbon disulfide	2.31	76	28569	5.204 ug/L	97
15) Methyl Acetate	2.46	43	9955	4.397 ug/L	96
16) Methylene chloride	2.52	84	11437	5.222 ug/L	96
17) trans-1,2-Dichloroethene	2.78	96	10647	5.186 ug/L	93
18) Methyl tert-butyl Ether	2.78	73	32795	4.838 ug/L	98
19) 1,1-Dichloroethane	3.21	63	18942	4.953 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	10661	4.791 ug/L	97
22) 2-Butanone	4.01	43	5544	3.483 ug/L	97
23) Bromochloromethane	4.27	128	2521	2.127 ug/L	94
25) Chloroform	4.41	83	20835	5.203 ug/L	100
27) 1,2-Dichloroethane	5.16	62	18368	5.415 ug/L	100
29) Cyclohexane	4.70	56	14839	4.259 ug/L #	90
31) Carbon tetrachloride	4.86	117	18510	5.646 ug/L #	48
33) Benzene	5.13	78	38096	4.542 ug/L	100
34) Trichloroethene	5.94	95	12821	5.608 ug/L	84
35) Methylcyclohexane	6.16	83	16844	4.720 ug/L	98
37) 1,2-Dichloropropane	6.20	63	9317	4.324 ug/L #	91
38) Bromodichloromethane	6.53	83	15324	5.162 ug/L	94
39) cis-1,3-Dichloropropene	7.05	75	15097	4.424 ug/L	95
40) 4-Methyl-2-pentanone	7.25	43	24585	8.135 ug/L	98
42) Toluene	7.41	91	42874	4.797 ug/L	98

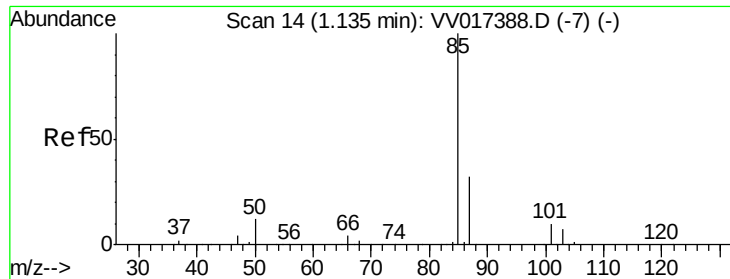
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV070820\
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 Quant Title : VOC Analysis
 QLast Update : Thu Jul 09 01:14:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) trans-1,3-Dichloropropene	7.68	75	15010	4.486	ug/L	95
45) 1,1,2-Trichloroethane	7.86	97	11072	5.232	ug/L	93
46) Tetrachloroethene	8.00	164	10106	5.547	ug/L	87
48) 2-Hexanone	8.16	43	19452	8.188	ug/L	99
49) Dibromochloromethane	8.27	129	12579	5.389	ug/L	95
50) 1,2-Dibromoethane	8.37	107	10576	4.735	ug/L #	98
51) Chlorobenzene	8.90	112	30396	5.179	ug/L	97
52) Ethylbenzene	9.04	91	47924	4.828	ug/L	97
53) m,p-Xylene	9.16	106	16430	4.434	ug/L	98
54) o-xylene	9.57	106	16309	4.466	ug/L	94
55) Styrene	9.58	104	27892	4.505	ug/L	97
56) Isopropylbenzene	9.95	105	45826	4.653	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	14781	4.587	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	13548	4.980	ug/L	99
61) Bromoform	9.75	173	8981	5.625	ug/L #	96
62) 1,3-Dichlorobenzene	11.20	146	24287	5.092	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	25821	5.340	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	24469	5.146	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	3336	4.410	ug/L	89
67) 1,3,5-Trichlorobenzene	12.67	180	16900	4.718	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	14216	4.368	ug/L	95
69) Naphthalene	13.53	128	33364	3.583	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	14148	4.398	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 6.773 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

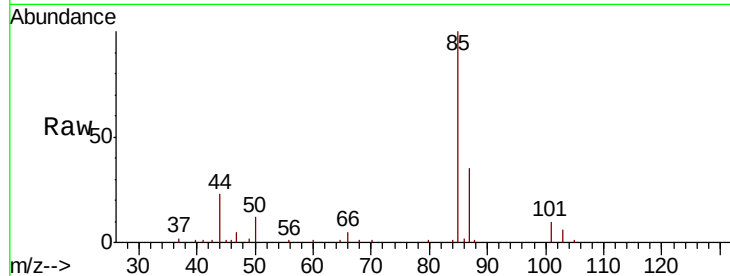
VSTD00564

Tot Ion: 85 Resp: 17485

Ion Ratio Lower Upper

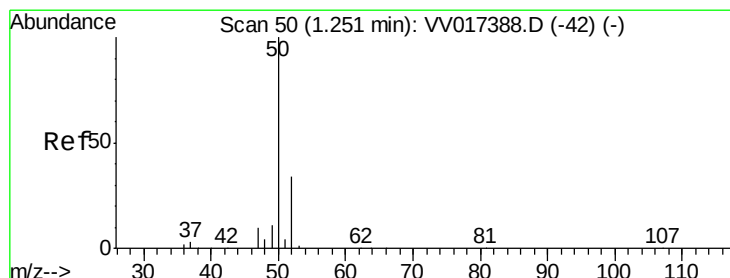
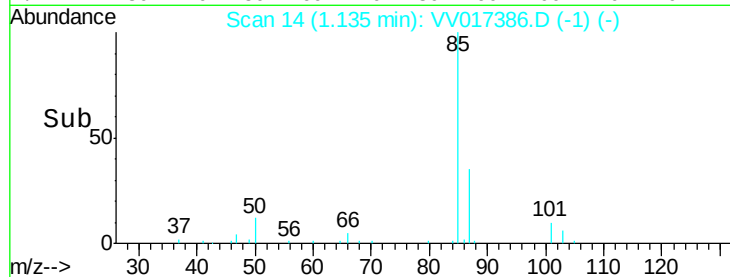
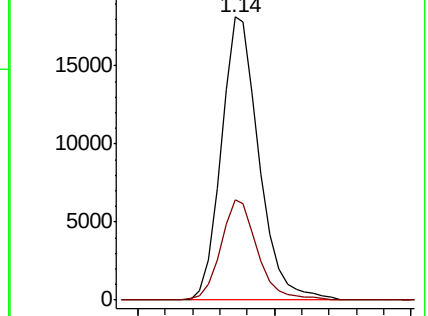
85 100

87 34.5 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 5.563 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV017386.D

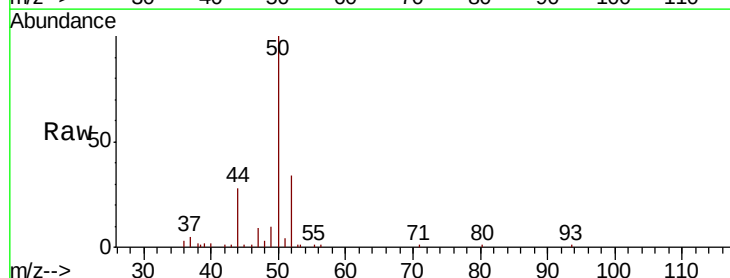
Acq: 08 Jul 2020 10:01

Tgt Ion: 50 Resp: 12343

Ion Ratio Lower Upper

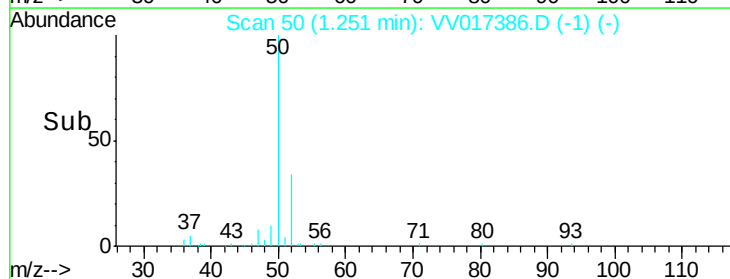
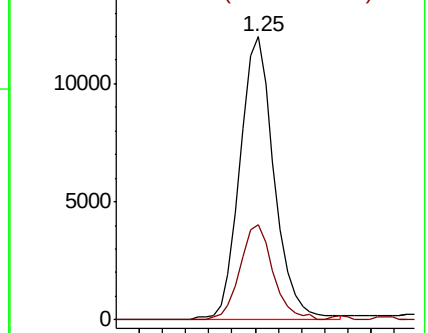
50 100

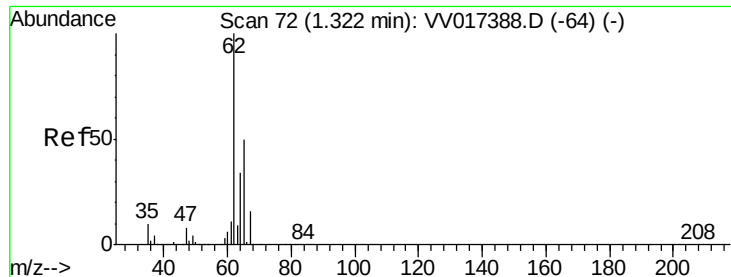
52 33.8 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 5.432 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

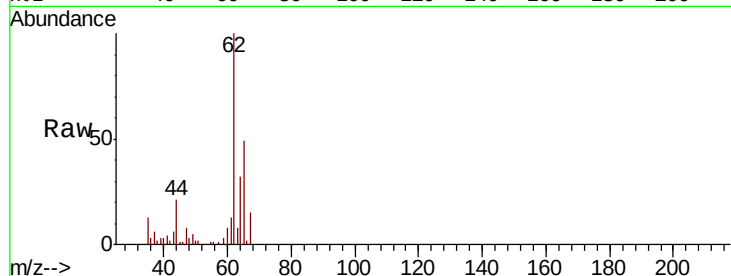
VSTD00564

Tot Ion: 62 Resp: 11848

Ion Ratio Lower Upper

62 100

64 31.8 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV017386.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV017386.D (-64) (-)

12000

10000

8000

6000

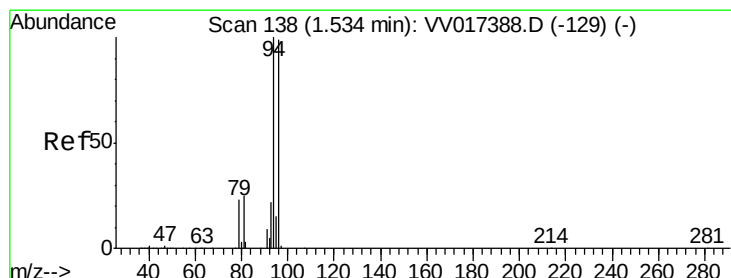
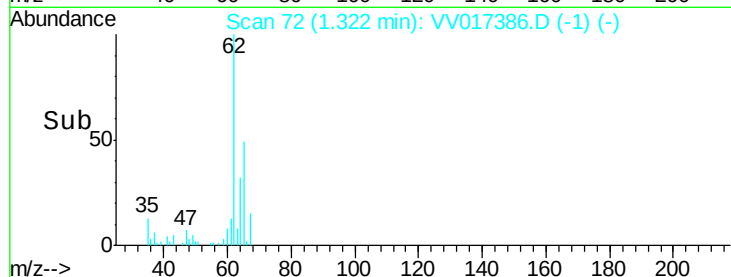
4000

2000

0

1.30 1.32 1.35

Time-->



#6

Bromomethane

Concen: 6.678 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017386.D

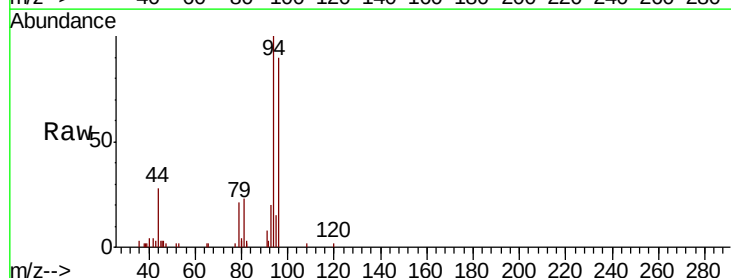
Acq: 08 Jul 2020 10:01

Tgt Ion: 94 Resp: 6399

Ion Ratio Lower Upper

94 100

96 90.0 69.0 128.1



Abundance Ion 94.00 (93.70 to 94.70): VV017386.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV017386.D (-129) (-)

6000

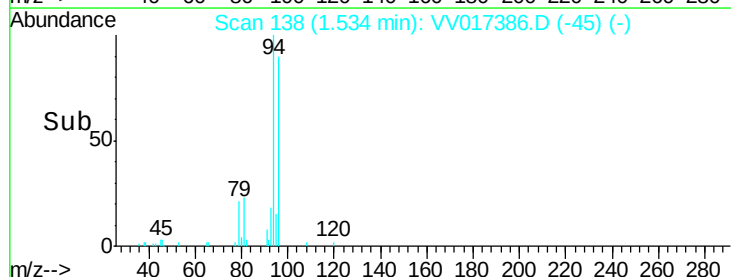
4000

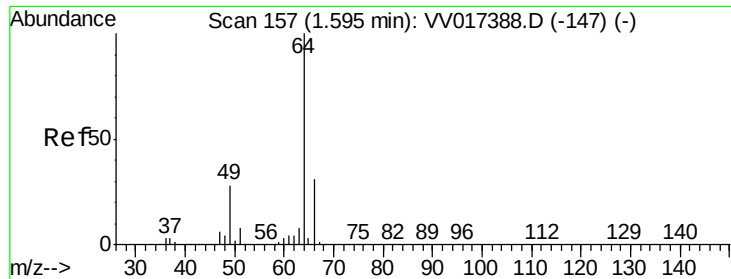
2000

0

1.50 1.53 1.55

Time-->

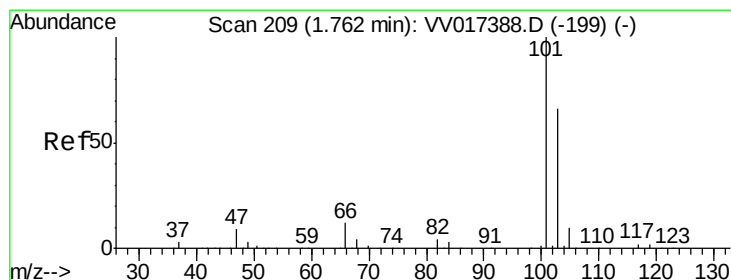
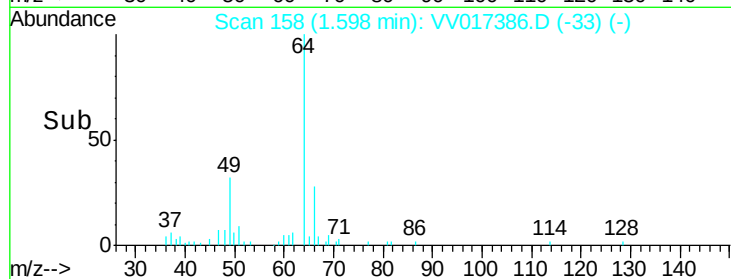
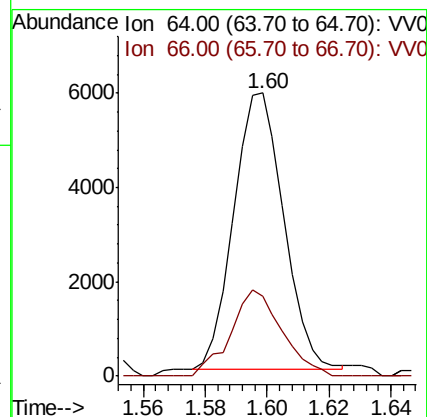
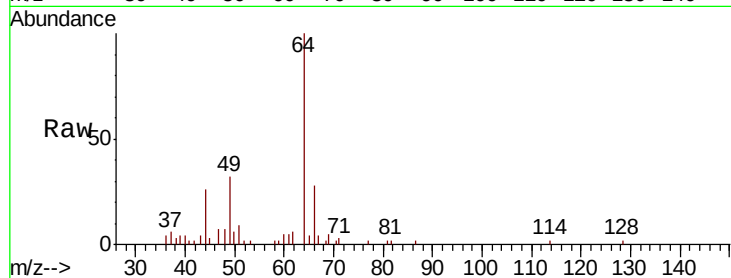




#8
Chloroethane
Concen: 6.119 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

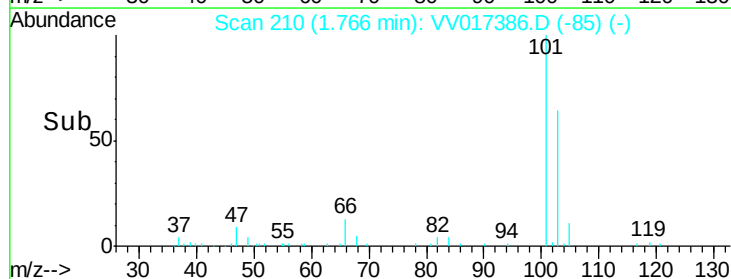
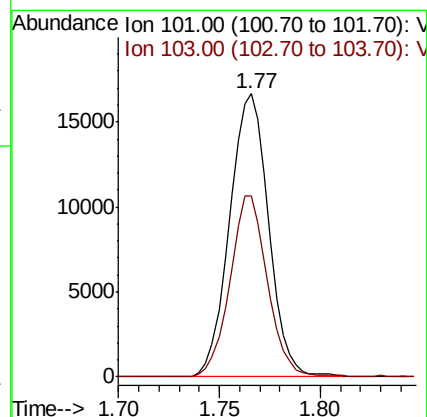
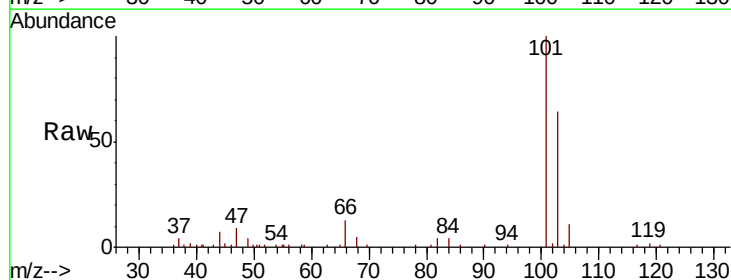
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

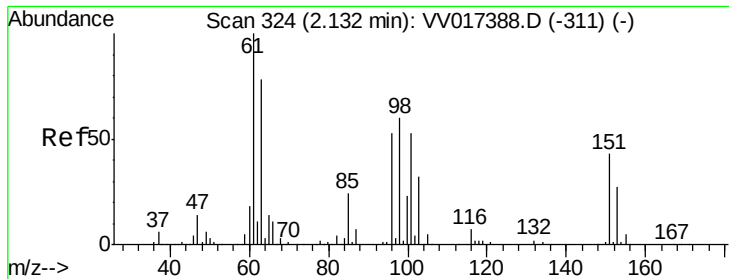
Tot Ion: 64 Resp: 6613
Ion Ratio Lower Upper
64 100
66 28.3 21.8 40.4



#9
Trichlorofluoromethane
Concen: 6.497 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion: 101 Resp: 22493
Ion Ratio Lower Upper
101 100
103 61.8 51.9 77.9





#10

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

Concen: 6.160 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

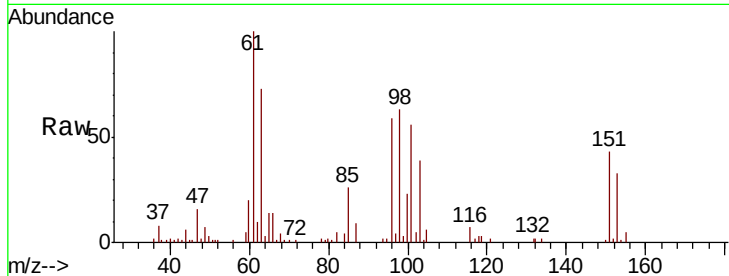
Tot Ion:101 Resp: 10468

Ion Ratio Lower Upper

101 100

85 48.1 36.2 54.4

151 82.3 66.8 100.2



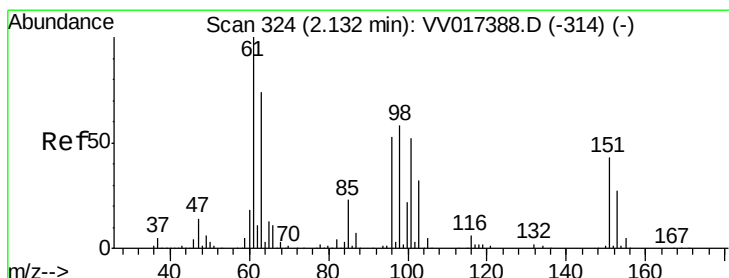
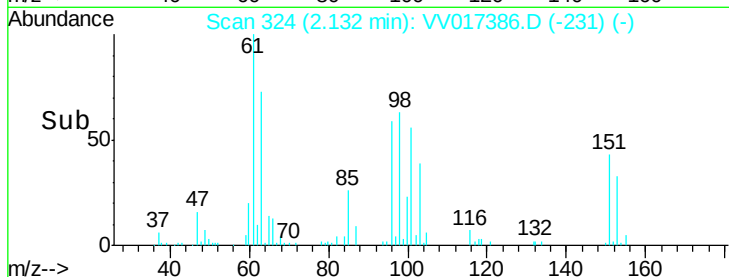
Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 6.258 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

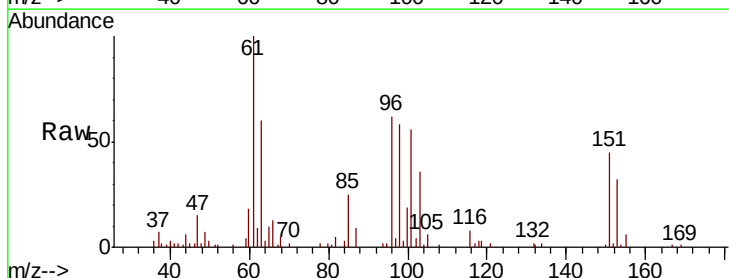
Tgt Ion: 96 Resp: 9805

Ion Ratio Lower Upper

96 100

61 162.3 132.7 246.4

63 96.6 103.3 191.8#



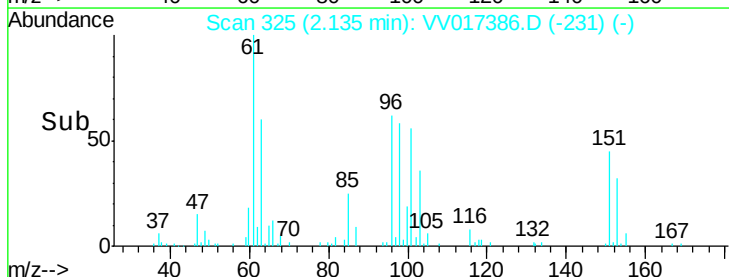
Abundance Ion 96.00 (95.70 to 96.70): VV0

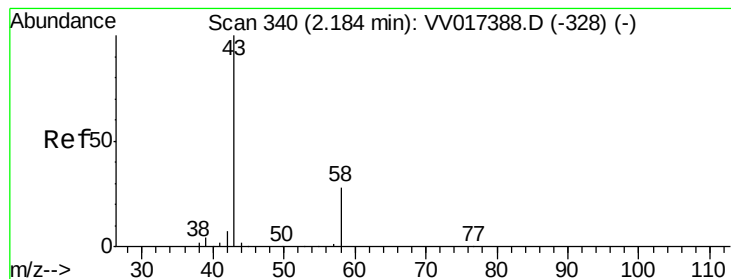
Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0

2.14

Time-->





#13

Acetone

Concen: 15.246 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.01 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

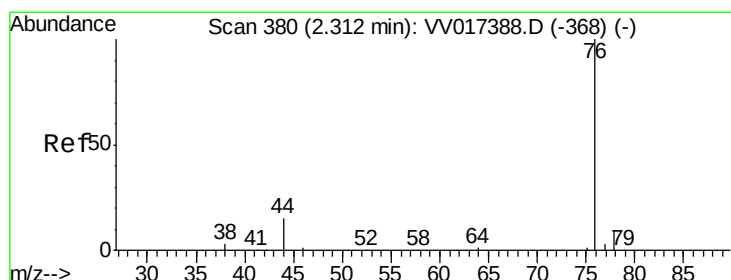
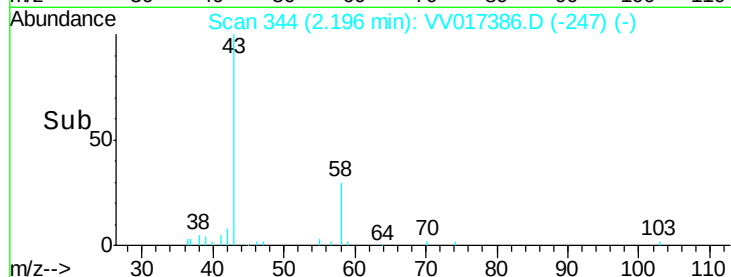
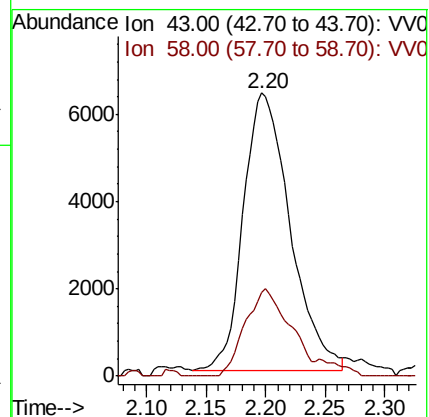
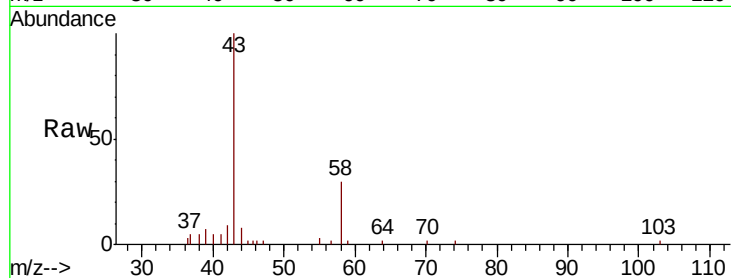
VSTD00564

Tot Ion: 43 Resp: 17329

Ion Ratio Lower Upper

43 100

58 30.0 0.0 56.0



#14

Carbon disulfide

Concen: 5.204 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017386.D

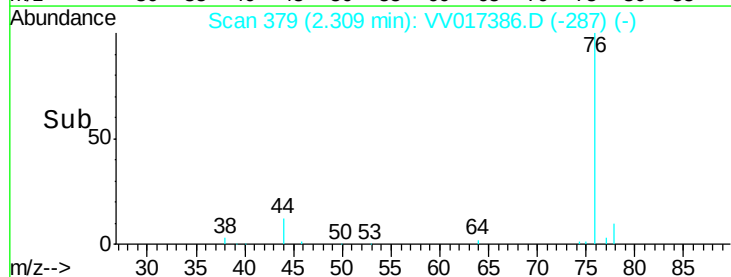
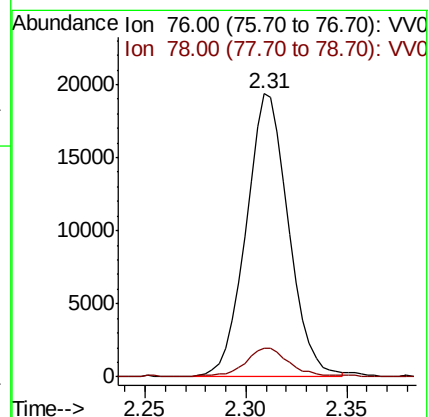
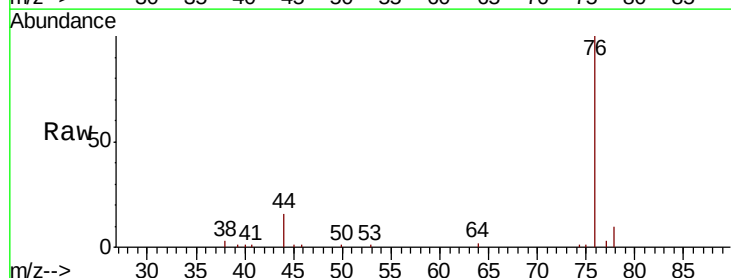
Acq: 08 Jul 2020 10:01

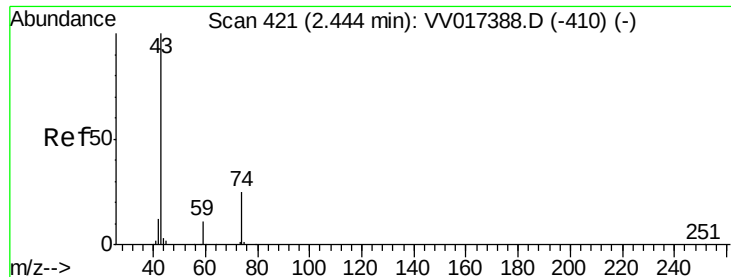
Tgt Ion: 76 Resp: 28569

Ion Ratio Lower Upper

76 100

78 10.3 7.4 11.2

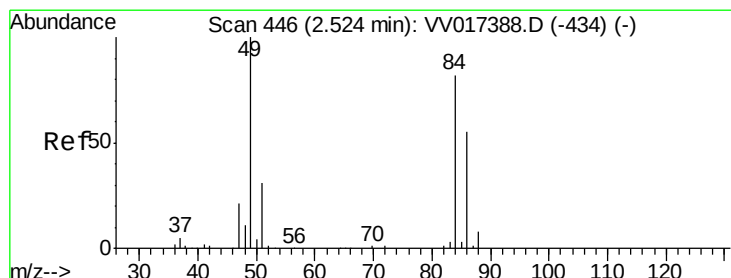
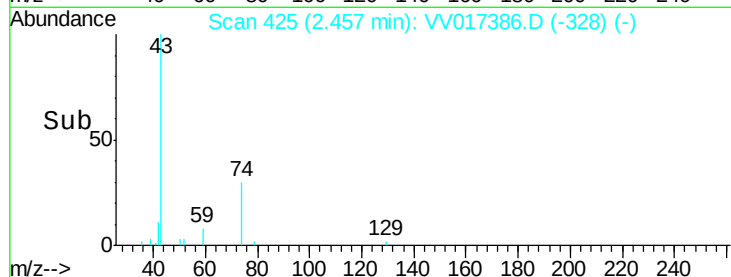
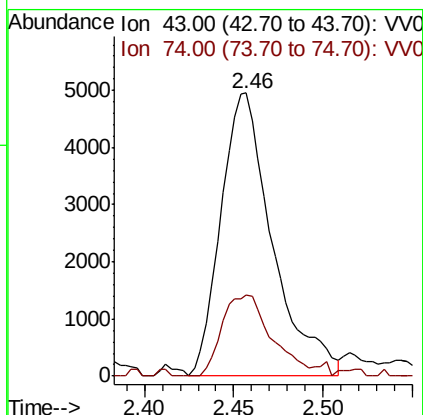
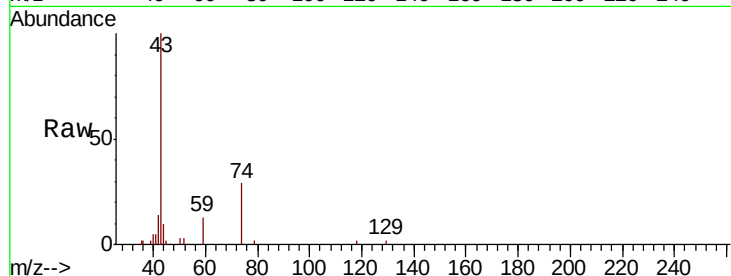




#15
Methvl Acetate
Concen: 4.397 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

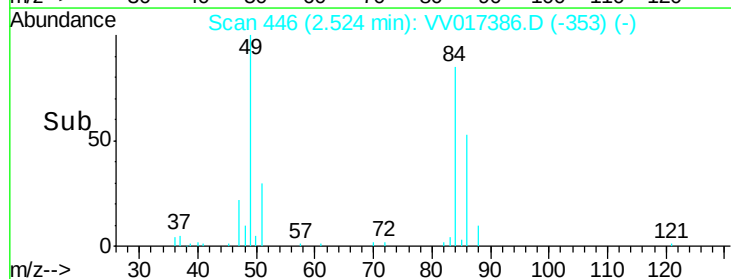
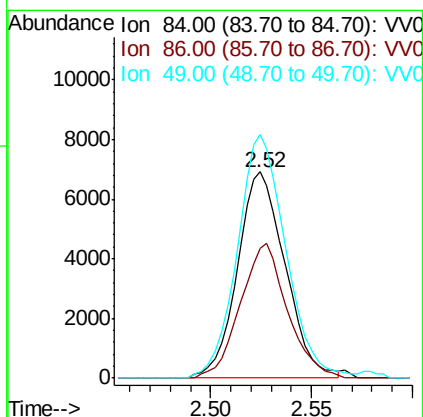
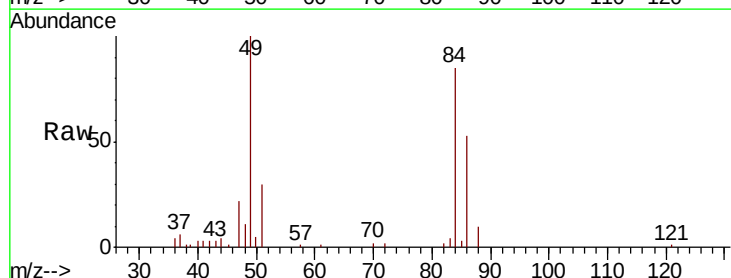
Instrument :
MSVOA_V
ClientSampled :
VSTD00564

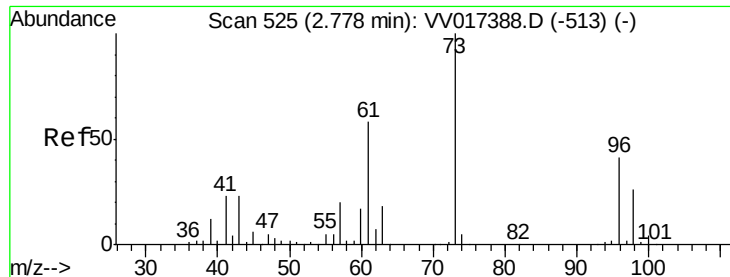
Tot Ion: 43 Resp: 9955
Ion Ratio Lower Upper
43 100
74 27.5 20.2 30.4



#16
Methylene chloride
Concen: 5.222 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion: 84 Resp: 11437
Ion Ratio Lower Upper
84 100
86 62.9 46.5 86.5
49 118.2 85.3 158.5





#17

trans-1,2-Dichloroethene

Concen: 5.186 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

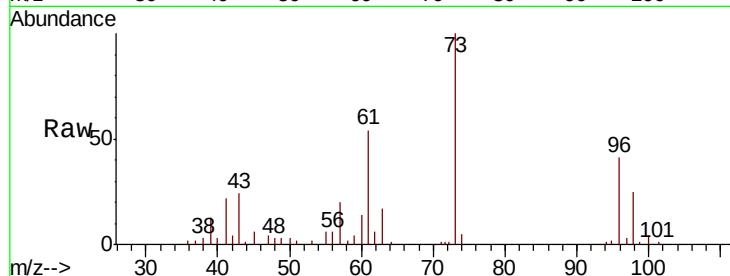
Tot Ion: 96 Resp: 10647

Ion Ratio Lower Upper

96 100

61 130.2 99.0 184.0

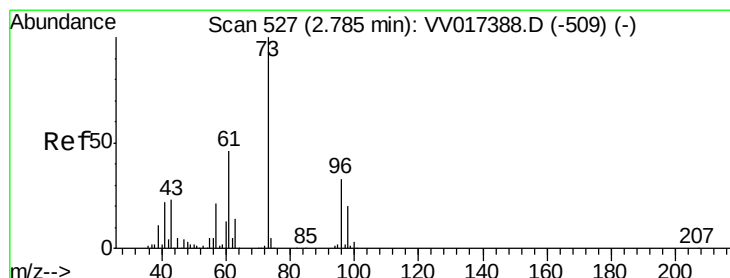
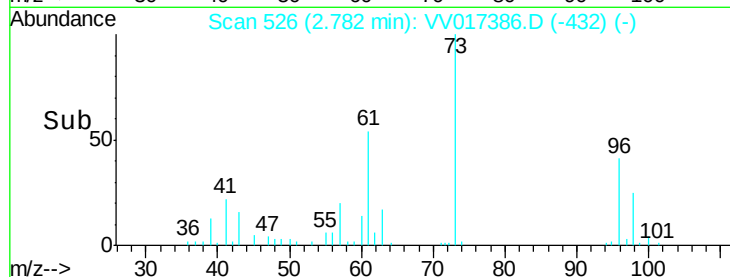
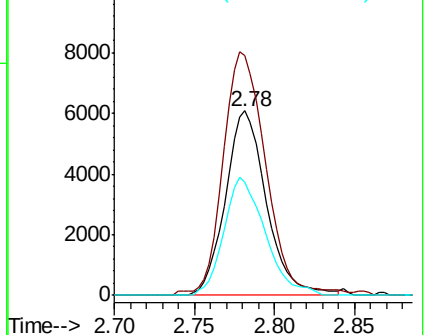
98 64.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 4.838 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

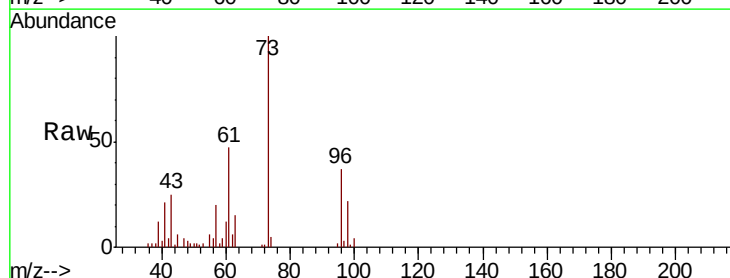
Tgt Ion: 73 Resp: 32795

Ion Ratio Lower Upper

73 100

43 24.2 18.2 27.2

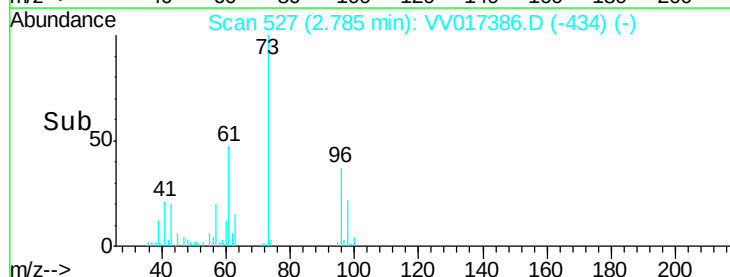
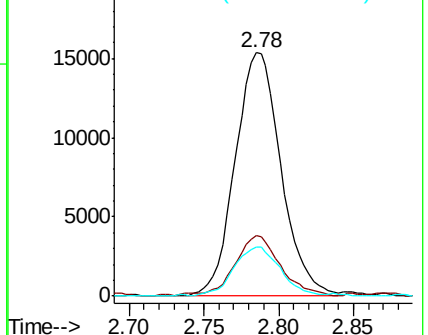
57 20.6 16.2 24.4

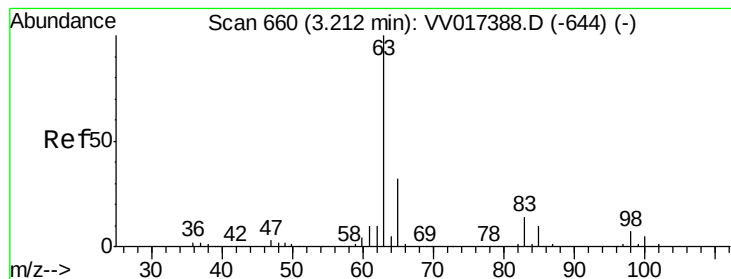


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 4.953 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

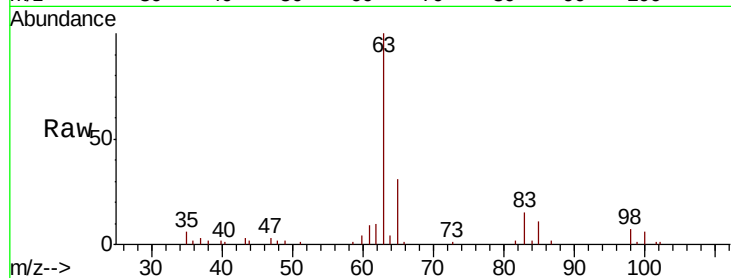
Tot Ion: 63 Resp: 18942

Ion Ratio Lower Upper

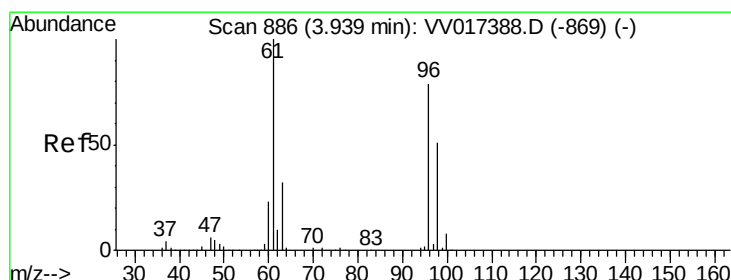
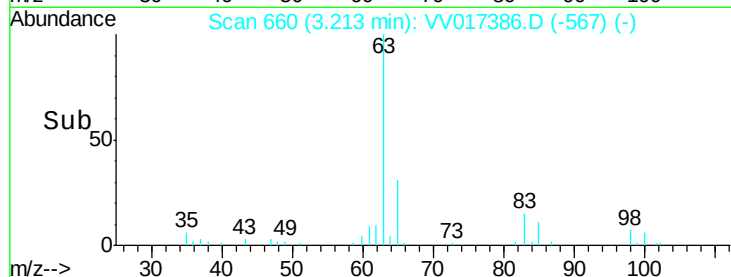
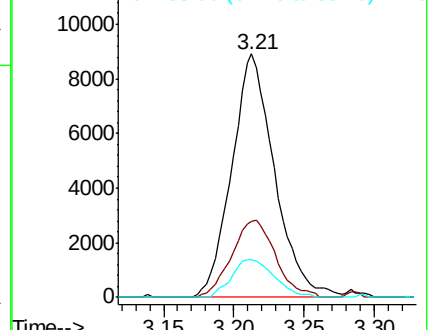
63 100

65 31.3 22.1 41.1

83 15.4 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 4.791 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

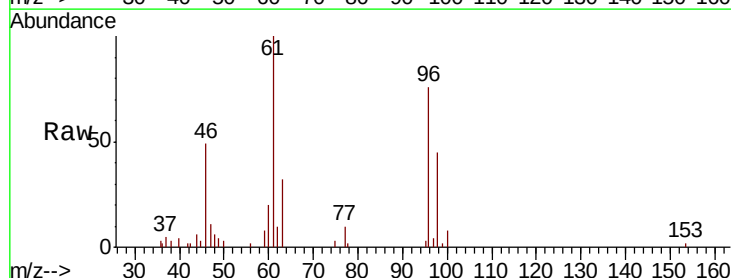
Tgt Ion: 96 Resp: 10661

Ion Ratio Lower Upper

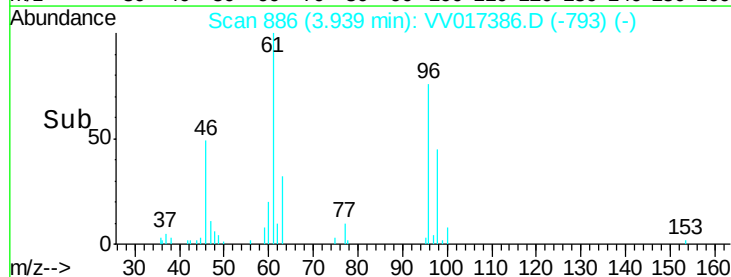
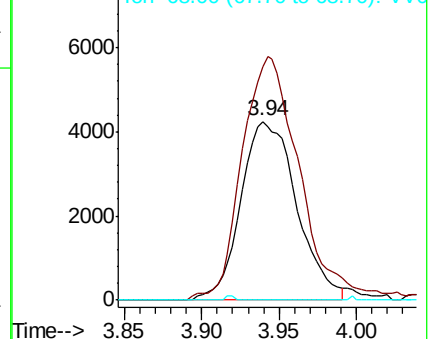
96 100

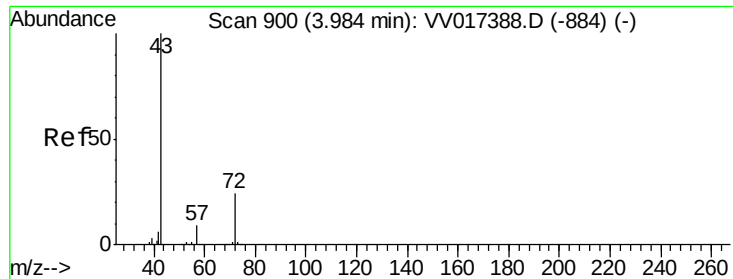
61 130.9 88.9 165.1

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 3.483 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.03 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

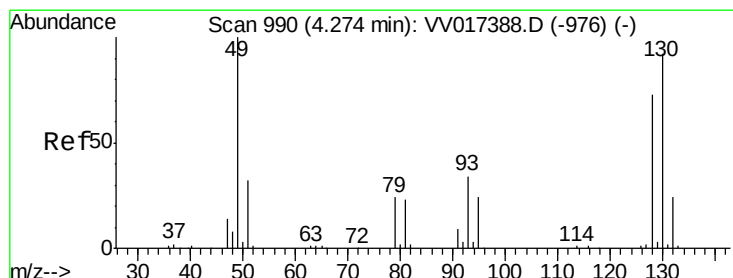
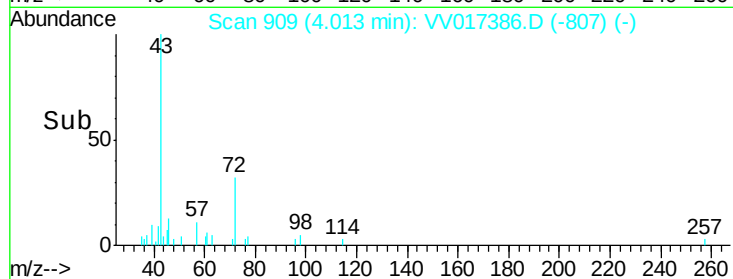
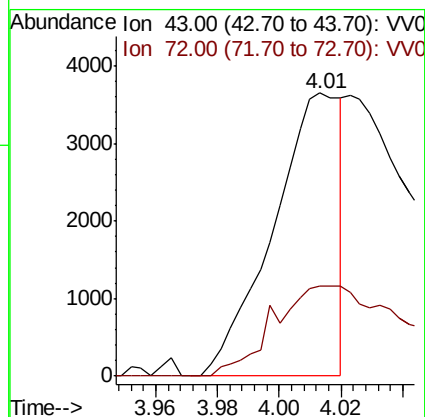
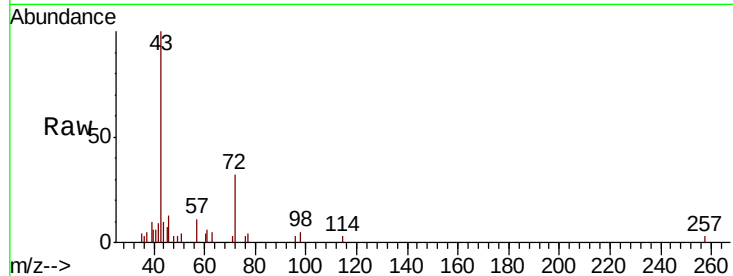
VSTD00564

Tot Ion: 43 Resp: 5544

Ion Ratio Lower Upper

43 100

72 25.0 11.9 35.5



#23

Bromochloromethane

Concen: 2.127 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Tgt Ion: 128 Resp: 2521

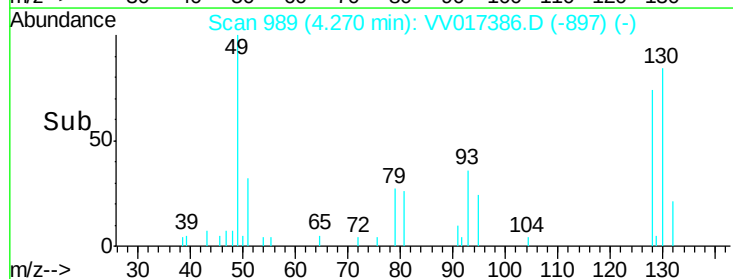
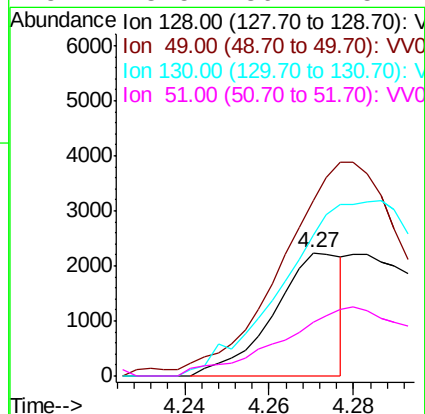
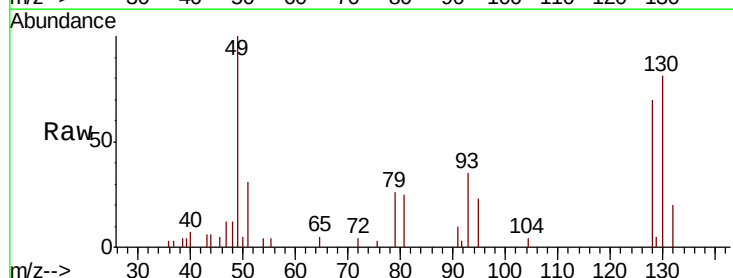
Ion Ratio Lower Upper

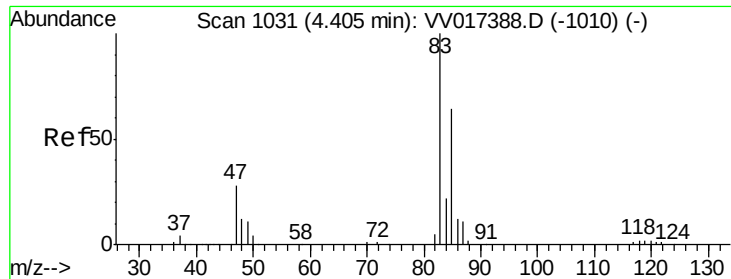
128 100

49 142.0 96.7 179.5

130 114.3 88.3 164.1

51 43.5 36.1 54.1





#25

Chloroform

Concen: 5.203 ug/L

RT: 4.41 min Scan# 1031

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

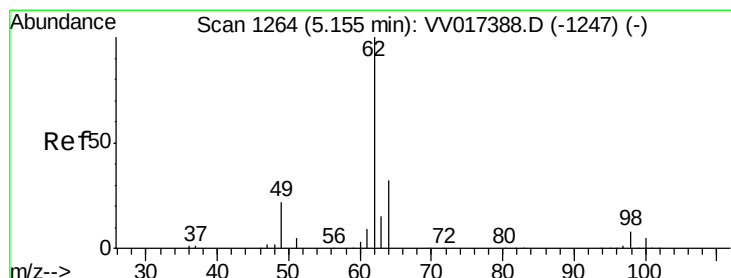
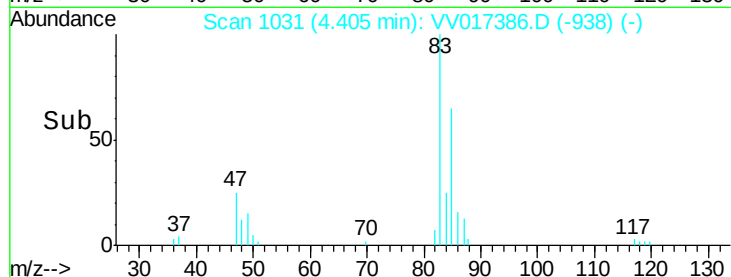
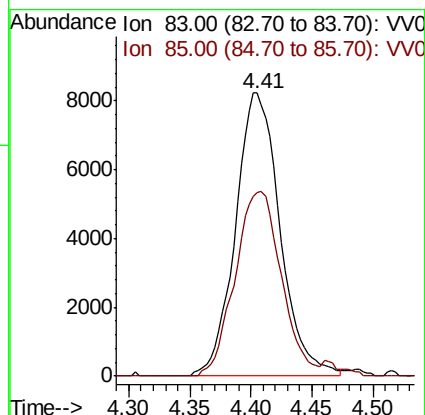
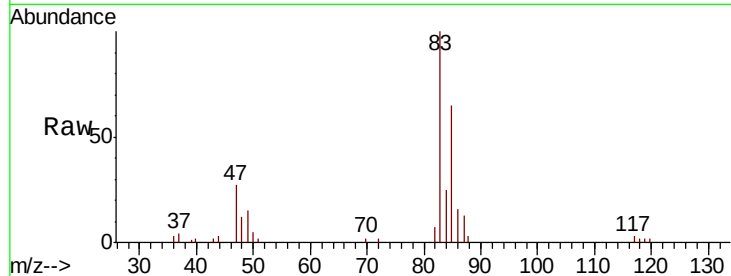
VSTD00564

Tot Ion: 83 Resp: 20835

Ion Ratio Lower Upper

83 100

85 64.9 45.1 83.9



#27

1,2-Dichloroethane

Concen: 5.415 ug/L

RT: 5.16 min Scan# 1266

Delta R.T. 0.01 min

Lab File: VV017386.D

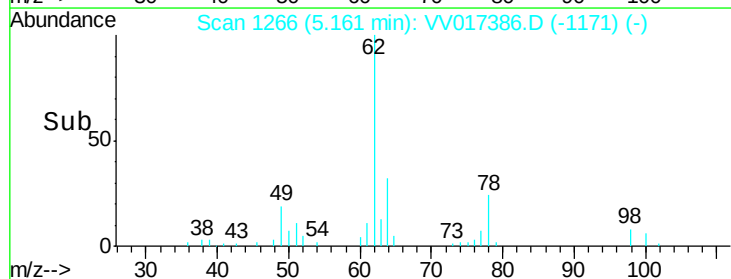
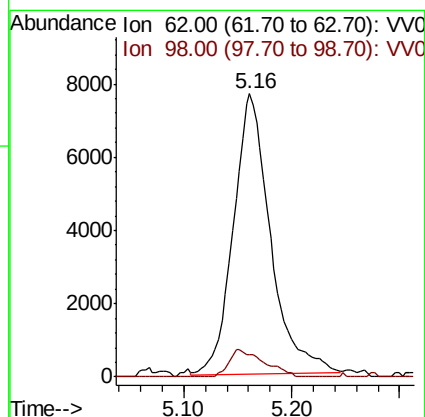
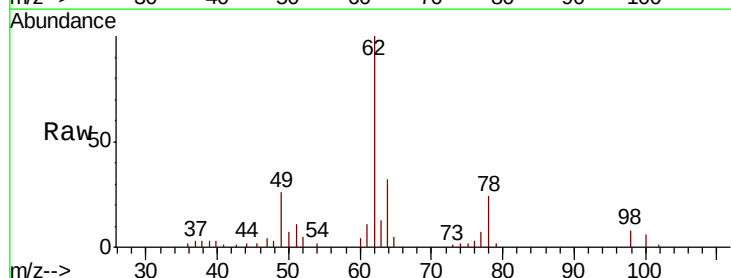
Acq: 08 Jul 2020 10:01

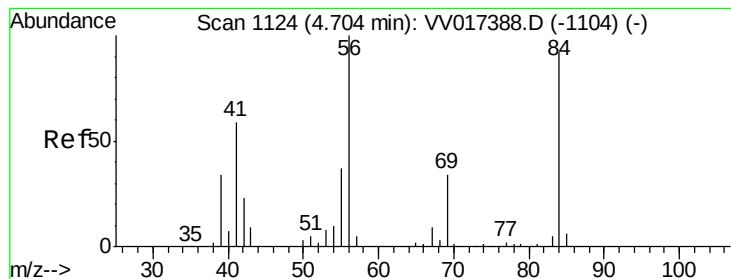
Tgt Ion: 62 Resp: 18368

Ion Ratio Lower Upper

62 100

98 7.8 6.4 9.6





#29

Cyclohexane

Concen: 4.259 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

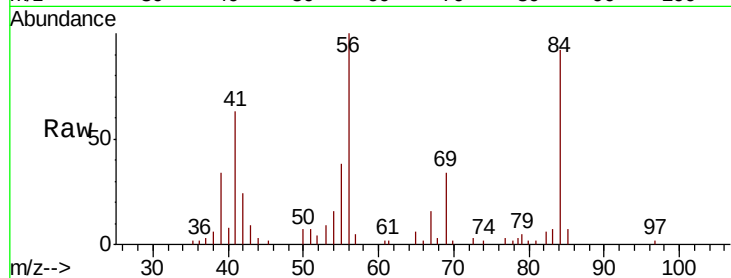
Tot Ion: 56 Resp: 14839

Ion Ratio Lower Upper

56 100

69 15.4 27.0 40.4#

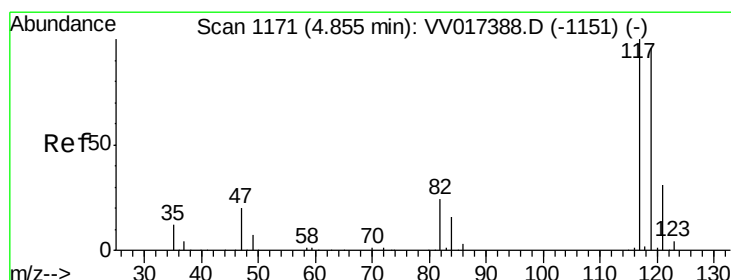
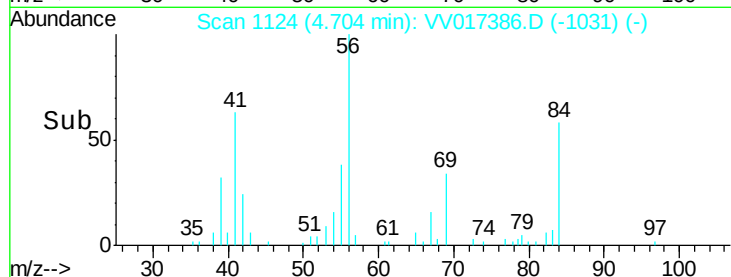
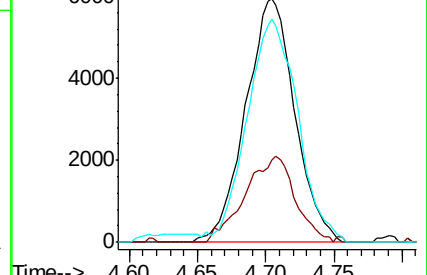
84 94.2 77.4 116.0



Abundance Ion 56.00 (55.70 to 56.70): VV017386.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV017386.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV017386.D (-1031) (-)



#31

Carbon tetrachloride

Concen: 5.646 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017386.D

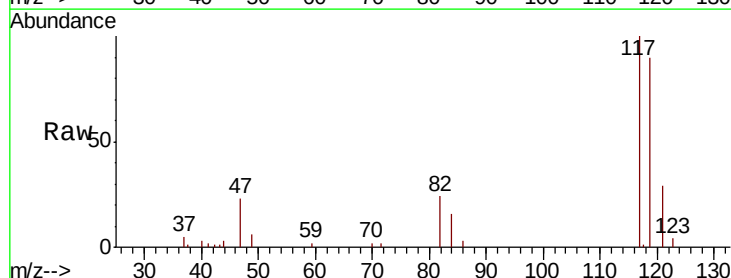
Acq: 08 Jul 2020 10:01

Tgt Ion: 117 Resp: 18510

Ion Ratio Lower Upper

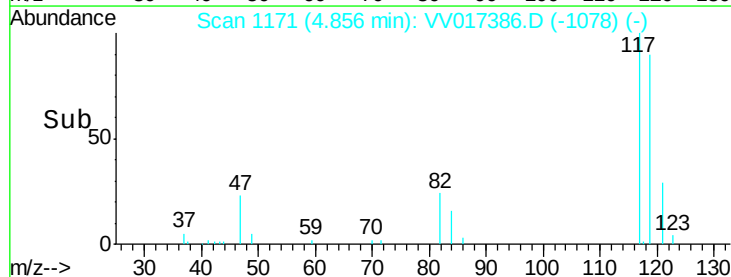
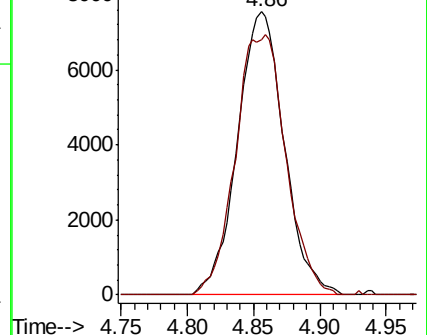
117 100

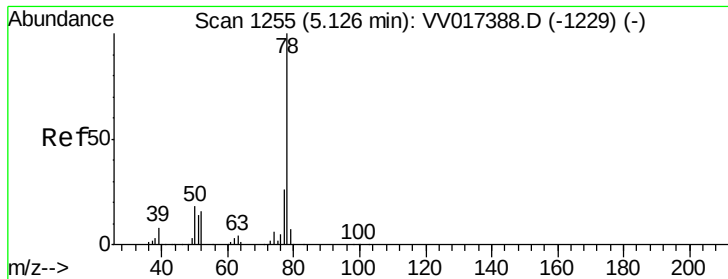
119 46.1 77.4 116.0#



Abundance Ion 117.00 (116.70 to 117.70): VV017386.D (-1078) (-)

Ion 119.00 (118.70 to 119.70): VV017386.D (-1078) (-)





#33

Benzene

Concen: 4.542 ug/L

RT: 5.13 min Scan# 1256

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

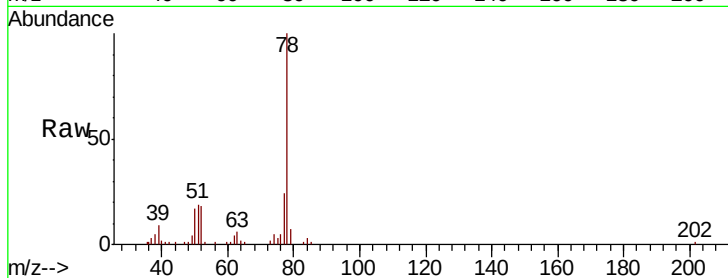
Instrument :

MSVOA_V

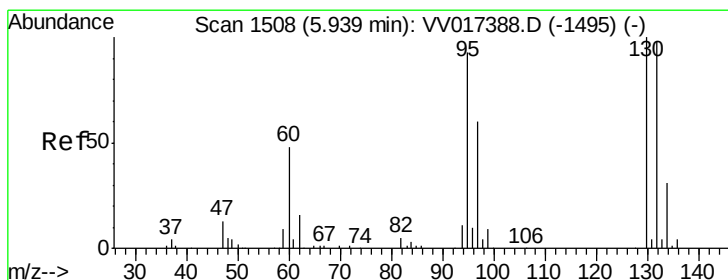
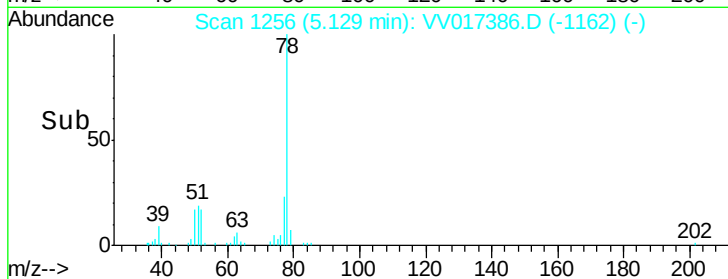
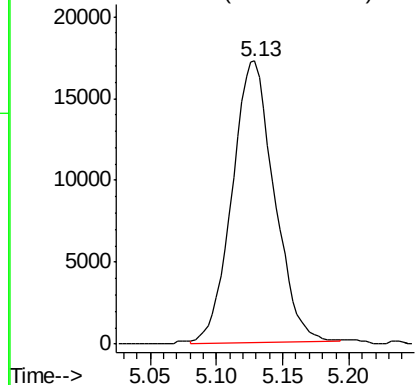
ClientSampleId :

VSTD00564

Tgt Ion: 78 Resp: 38096



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 5.608 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Tgt Ion: 95 Resp: 12821

Ion	Ratio	Lower	Upper
95	100		
97	56.5	45.6	84.6
132	87.6	74.1	137.5
130	89.9	75.5	140.3

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

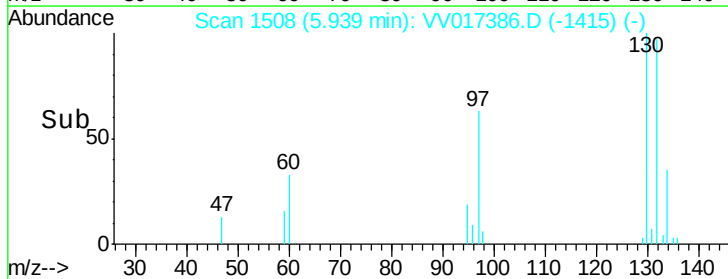
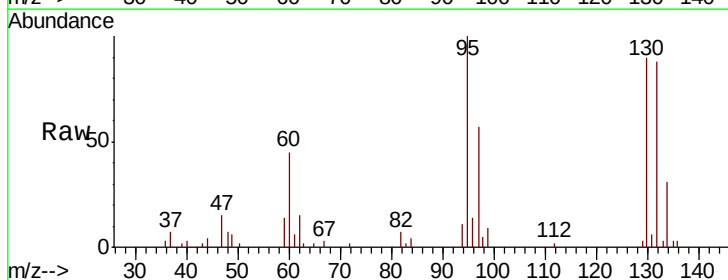
Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

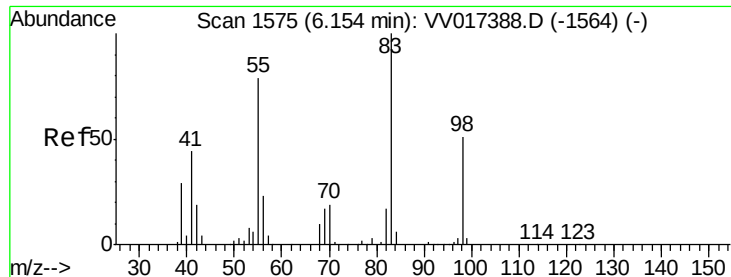
Ion 130.00 (129.70 to 130.70): VV0

Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

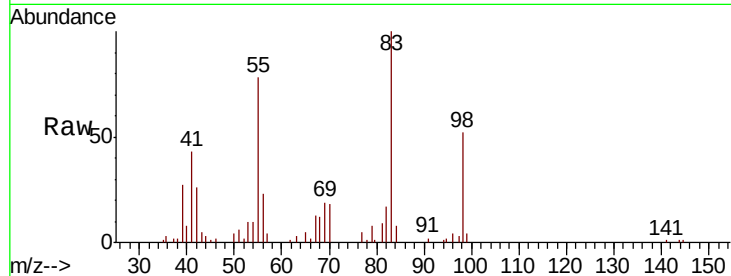
Ion 130.00 (129.70 to 130.70): VV0



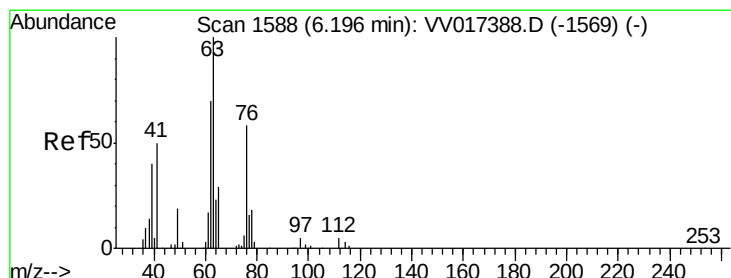
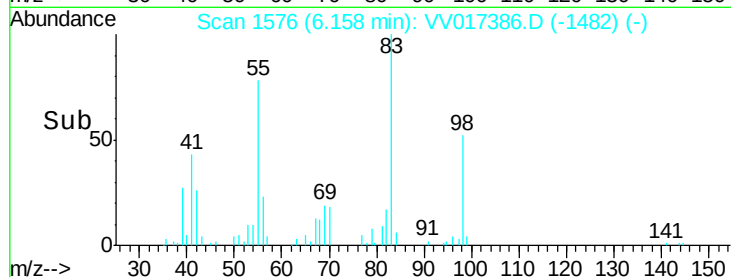
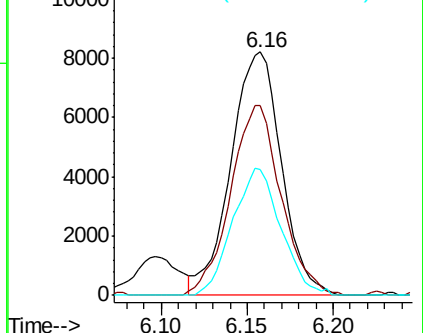
#35
Methylcyclohexane
Concen: 4.720 ug/L
RT: 6.16 min Scan# 1576
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tot Ion: 83 Resp: 16844
Ion Ratio Lower Upper
83 100
55 78.0 61.0 91.6
98 49.5 41.3 61.9

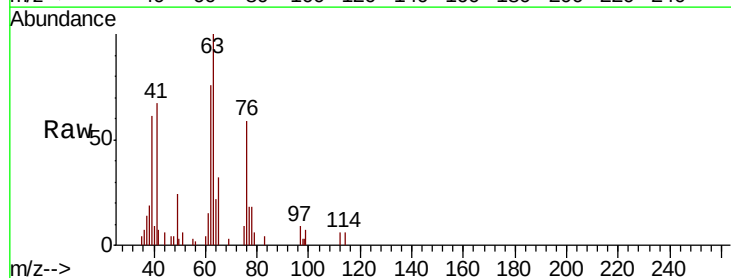


Abundance Ion 83.00 (82.70 to 83.70): VV0
Ion 55.00 (54.70 to 55.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

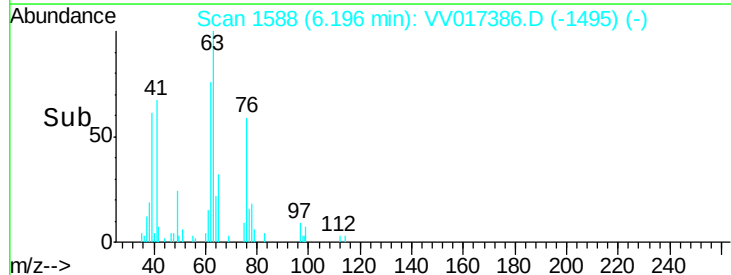
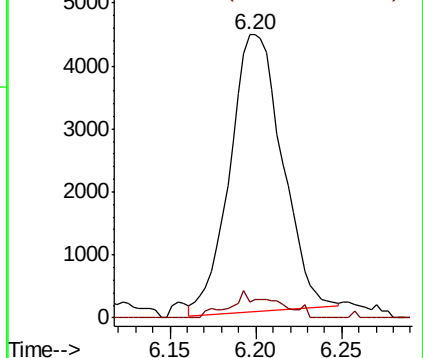


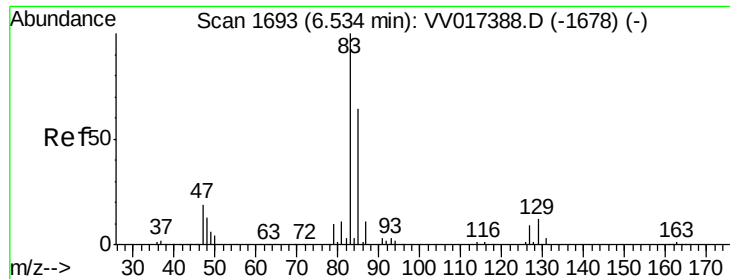
#37
1,2-Dichloropropane
Concen: 4.324 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion: 63 Resp: 9317
Ion Ratio Lower Upper
63 100
112 2.6 4.4 6.6#



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 112.00 (111.70 to 112.70): V

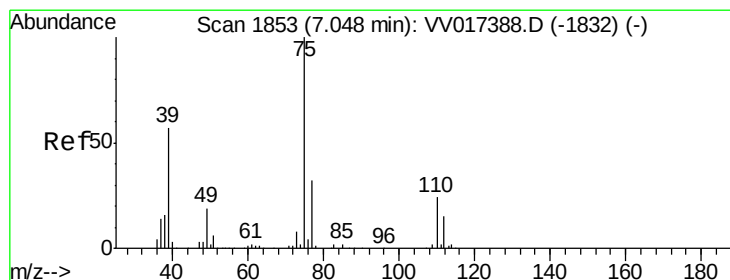
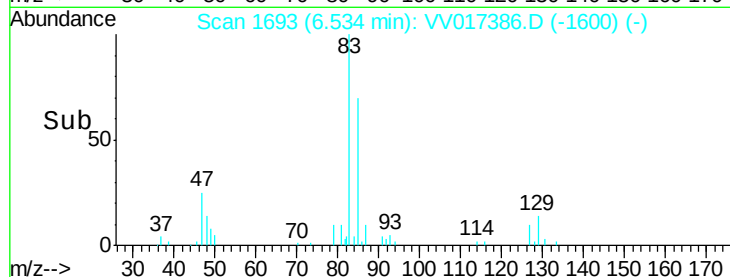
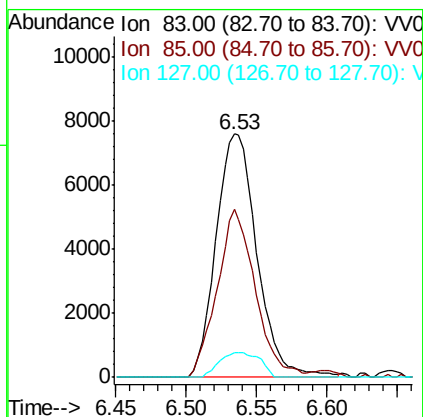
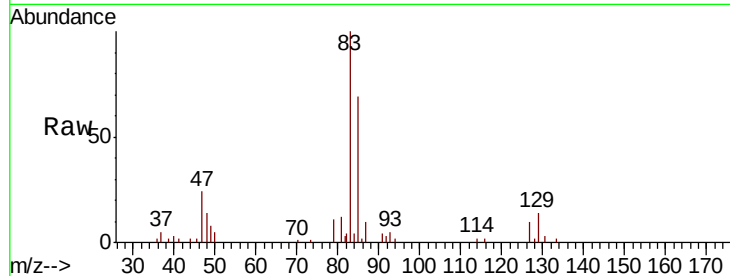




#38
 Bromodichloromethane
 Concen: 5.162 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

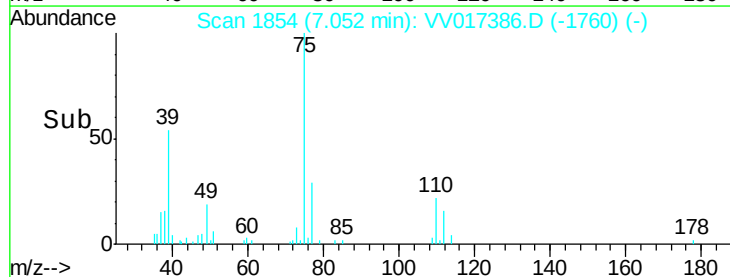
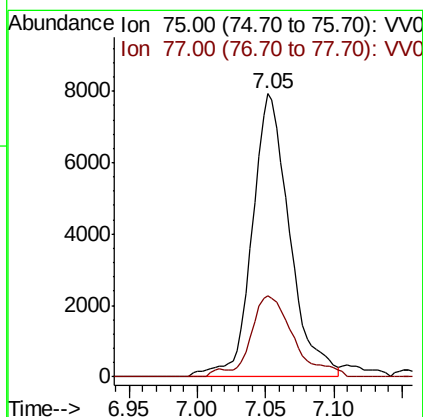
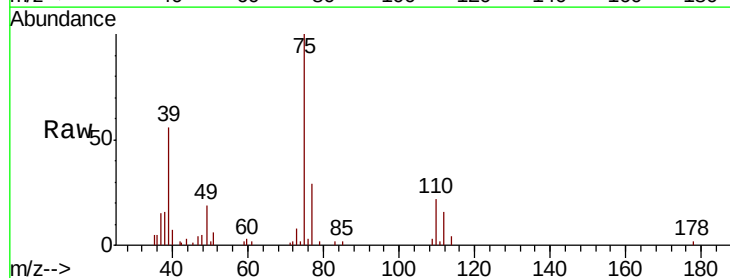
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

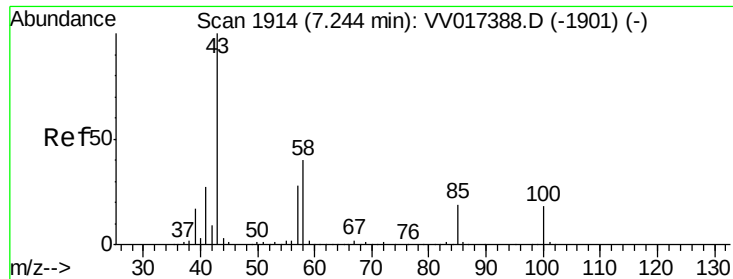
Tot Ion	83	Resp	15324
Ion Ratio	100		
Lower	44.6		
Upper	82.8		
85	68.8		
127	10.1		
	7.4		



#39
 cis-1,3-Dichloropropene
 Concen: 4.424 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

Tgt Ion	75	Resp	15097
Ion Ratio	100		
Lower	22.2		
Upper	41.2		
77	28.7		

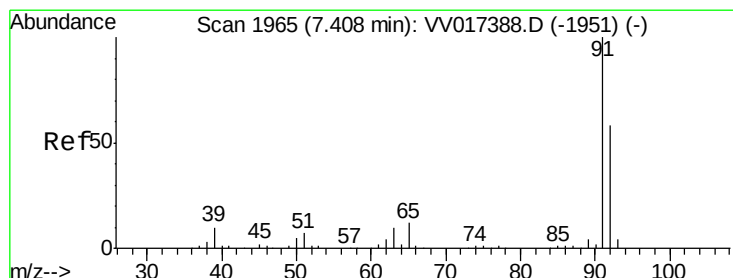
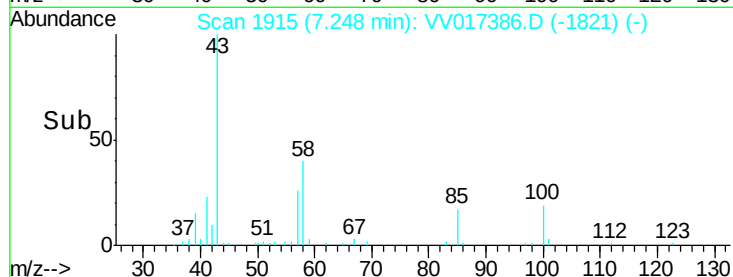
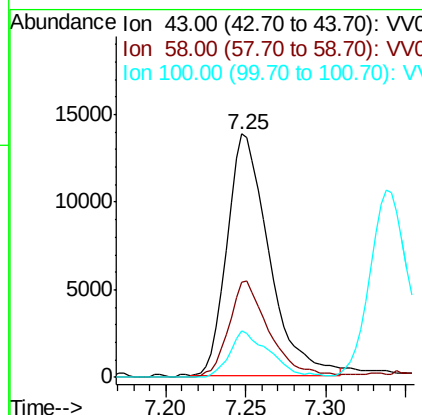
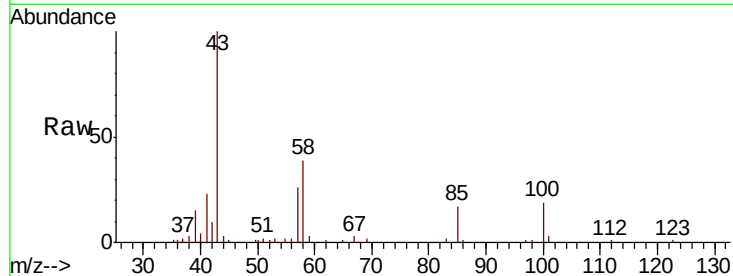




#40
4-Methyl-2-pentanone
Concen: 8.135 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

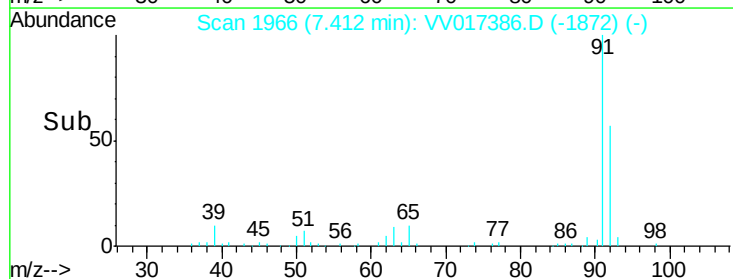
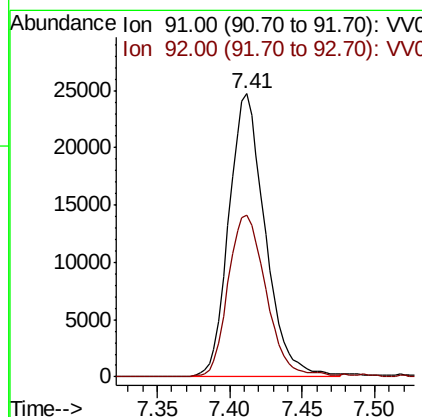
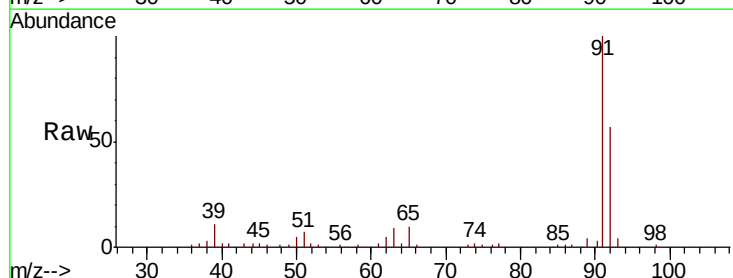
Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

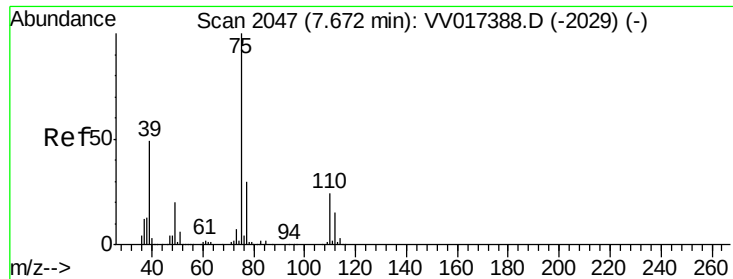
Tot Ion: 43 Resp: 24585
Ion Ratio Lower Upper
43 100
58 38.7 32.2 48.4
100 18.0 14.1 21.1



#42
Toluene
Concen: 4.797 ug/L
RT: 7.41 min Scan# 1966
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion: 91 Resp: 42874
Ion Ratio Lower Upper
91 100
92 57.0 40.8 75.8





#44

trans-1,3-Dichloropropene

Concen: 4.486 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

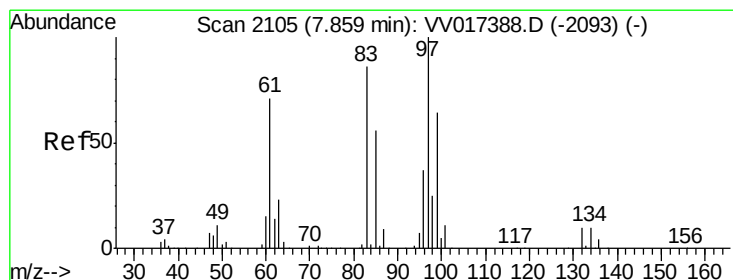
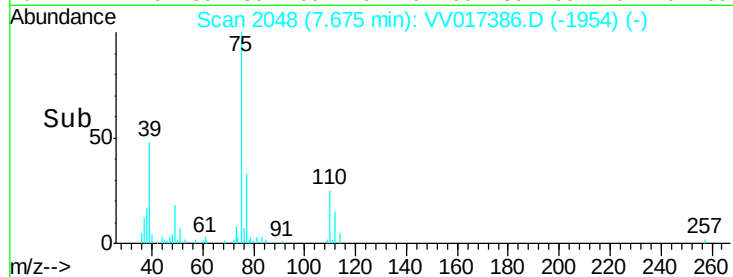
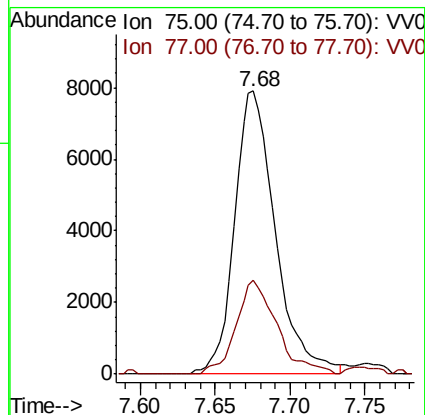
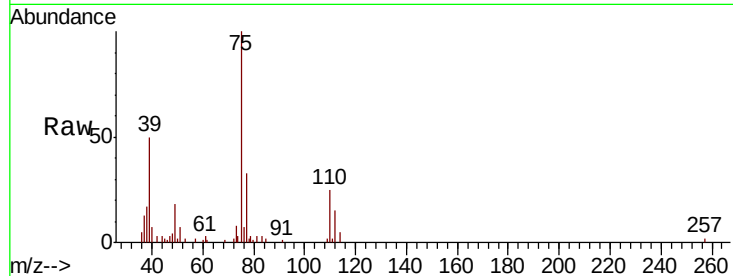
VSTD00564

Tot Ion: 75 Resp: 15010

Ion Ratio Lower Upper

75 100

77 33.1 21.3 39.5



#45

1,1,2-Trichloroethane

Concen: 5.232 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Tgt Ion: 97 Resp: 11072

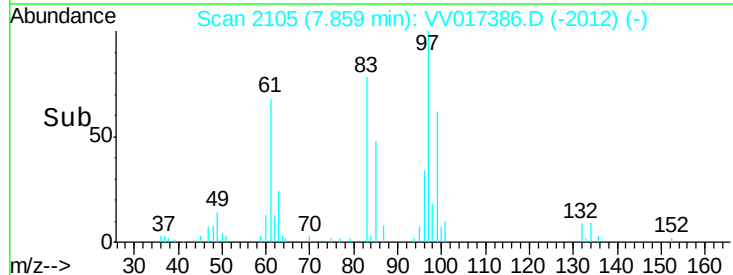
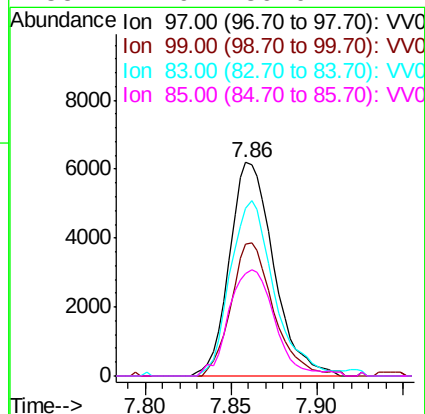
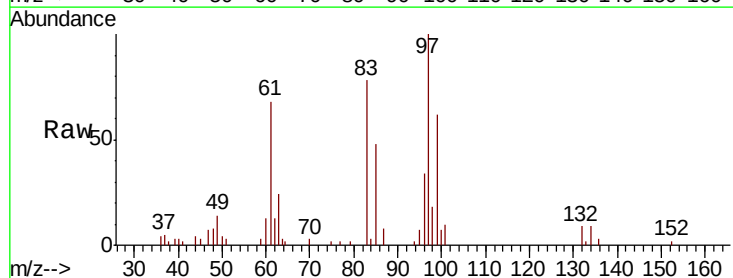
Ion Ratio Lower Upper

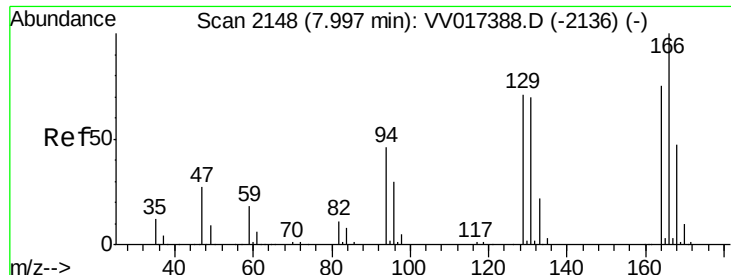
97 100

99 62.0 44.6 82.8

83 78.3 60.1 111.7

85 47.9 39.0 72.4

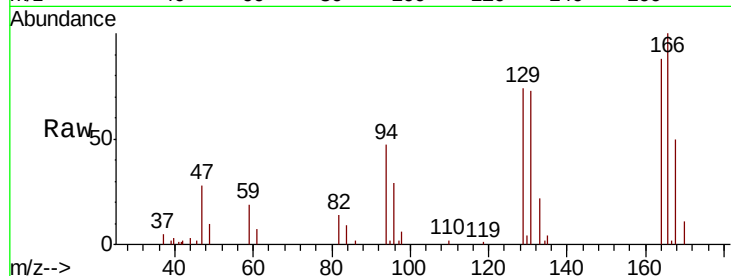




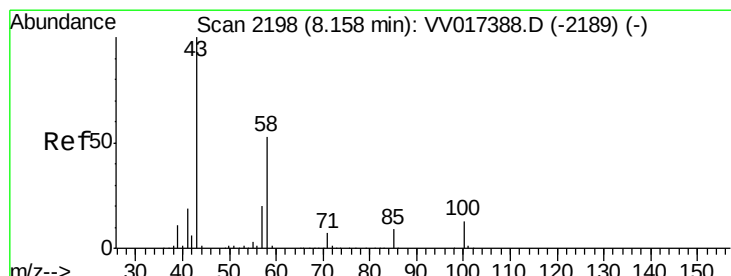
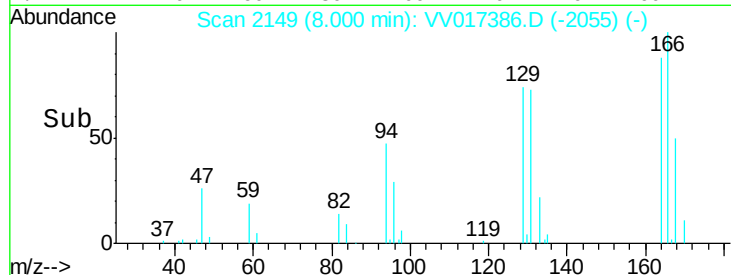
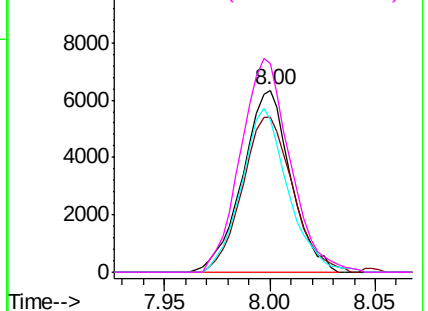
#46
Tetrachloroethene
Concen: 5.547 ug/L
RT: 8.00 min Scan# 2149
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Instrument :
MSVOA_V
ClientSampled :
VSTD00564

Tot Ion:	164	Resp:	10106
Ion	Ratio	Lower	Upper
164	100		
129	84.7	66.6	123.8
131	83.9	65.5	121.7
166	114.2	93.9	174.5

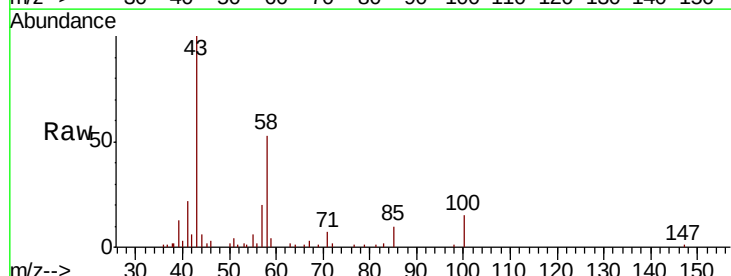


Abundance Ion 164.00 (163.70 to 164.70): V
Ion 129.00 (128.70 to 129.70): V
Ion 131.00 (130.70 to 131.70): V
Ion 166.00 (165.70 to 166.70): V

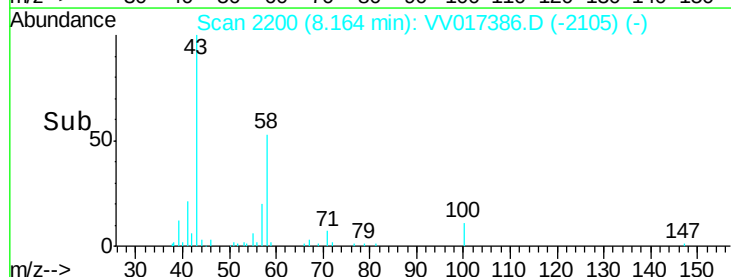
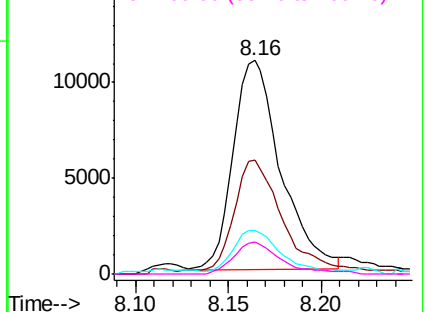


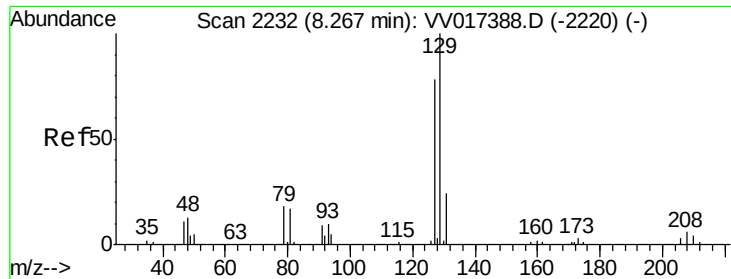
#48
2-Hexanone
Concen: 8.188 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.01 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion:	43	Resp:	19452
Ion	Ratio	Lower	Upper
43	100		
58	53.6	42.6	64.0
57	19.5	16.2	24.4
100	15.1	10.9	16.3



Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 5.389 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

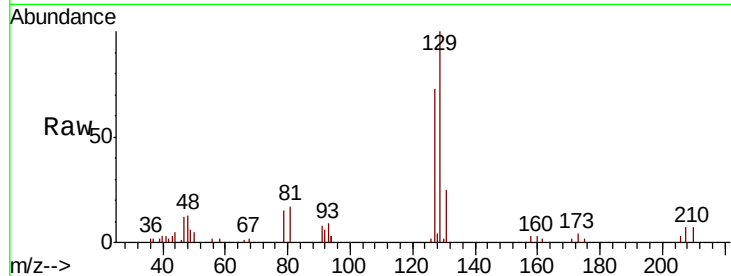
VSTD00564

Tot Ion:129 Resp: 12579

Ion Ratio Lower Upper

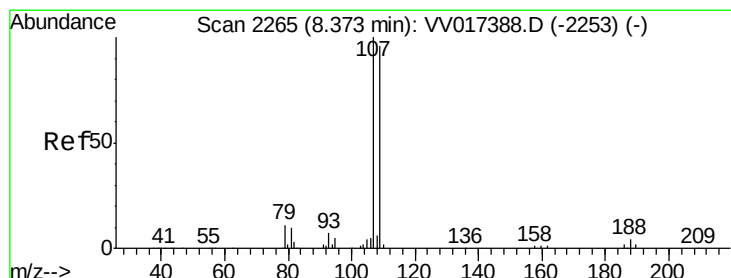
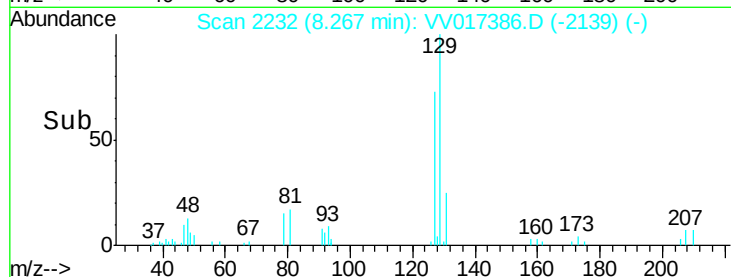
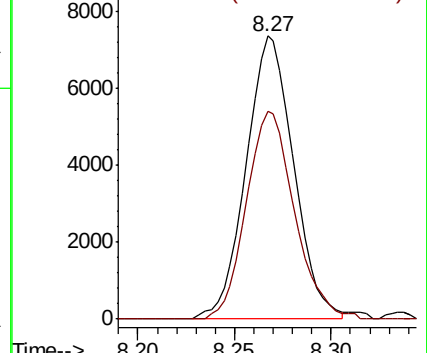
129 100

127 73.5 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.735 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

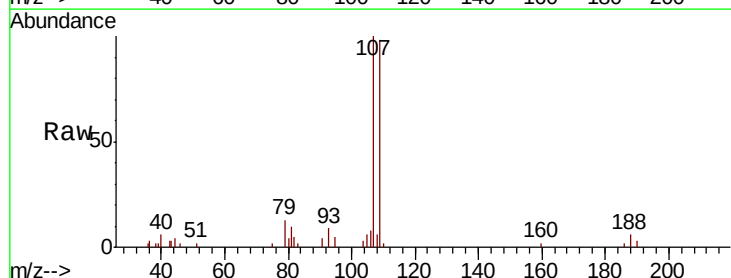
Tgt Ion:107 Resp: 10576

Ion Ratio Lower Upper

107 100

109 97.9 67.3 125.1

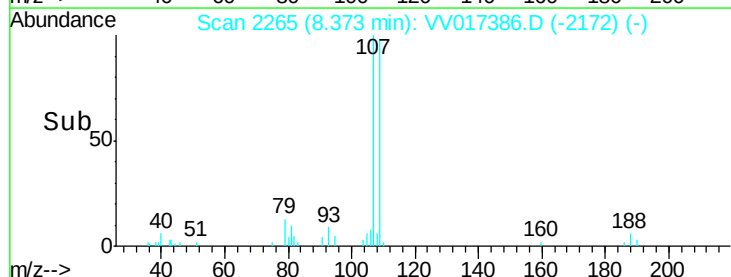
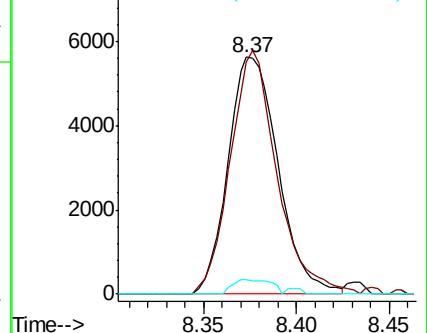
188 6.2 3.5 5.3#

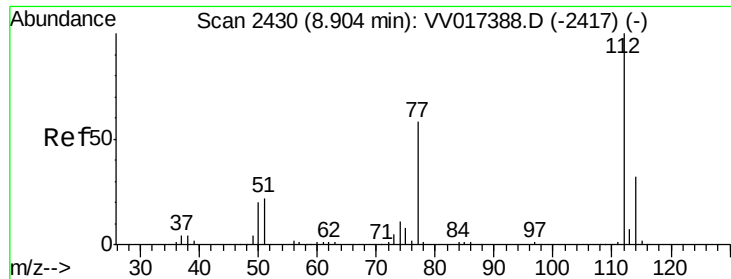


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V

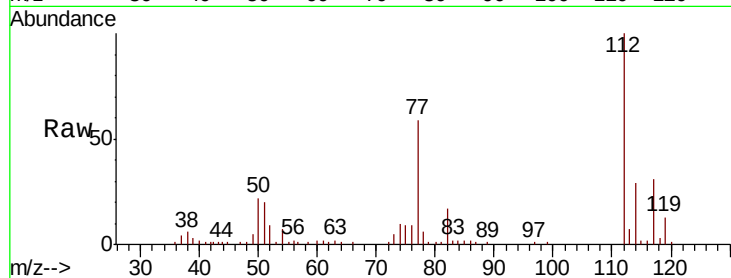




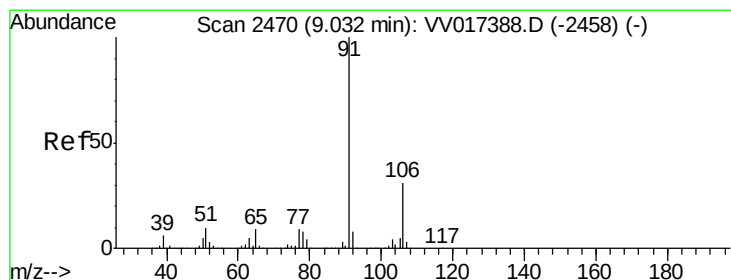
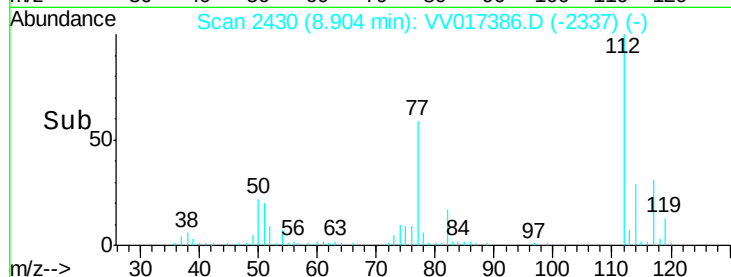
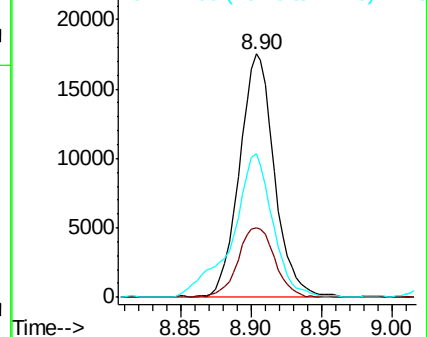
#51
Chlorobenzene
Concen: 5.179 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tot Ion	Ratio	Lower	Upper
112	100		
114	28.6	22.7	42.1
77	58.8	46.7	70.1

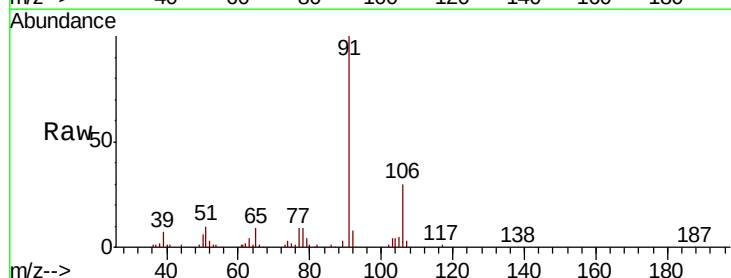


Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

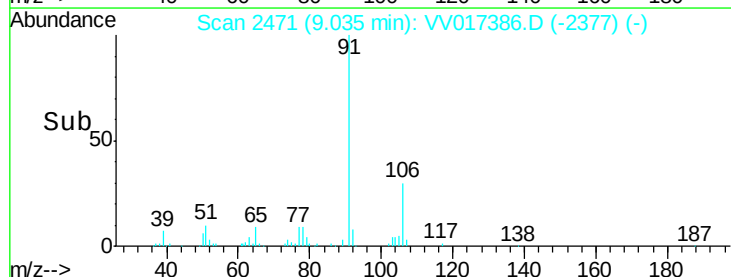
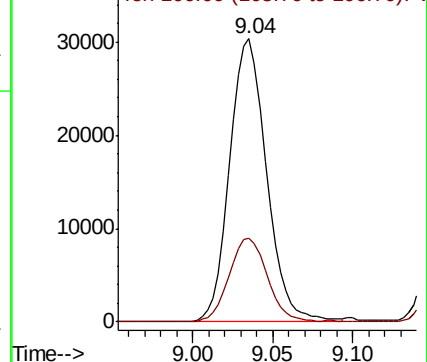


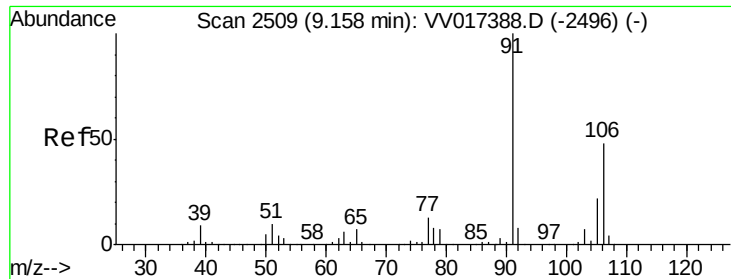
#52
Ethylbenzene
Concen: 4.828 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion	Ratio	Lower	Upper
91	100		
106	29.6	21.8	40.6



Abundance Ion 91.00 (90.70 to 91.70): VV0
Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.434 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

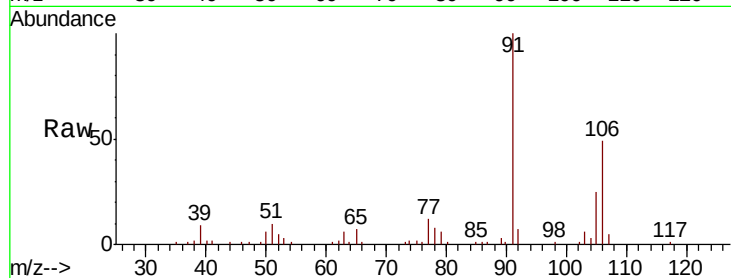
VSTD00564

Tot Ion:106 Resp: 16430

Ion Ratio Lower Upper

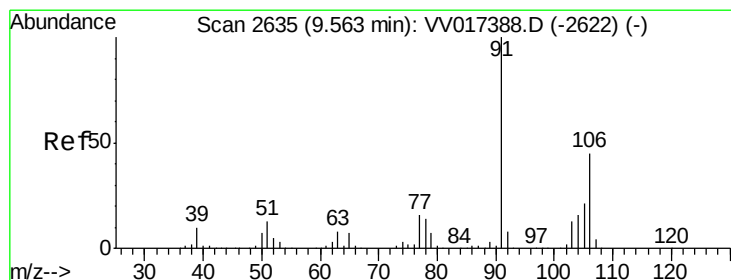
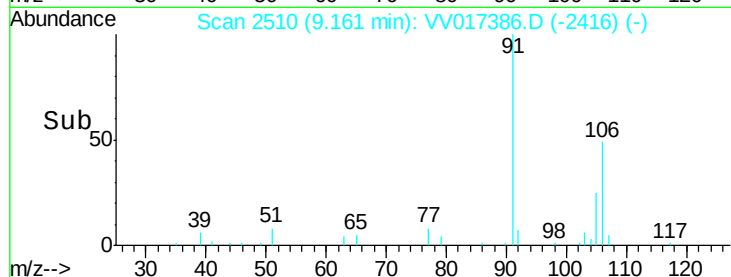
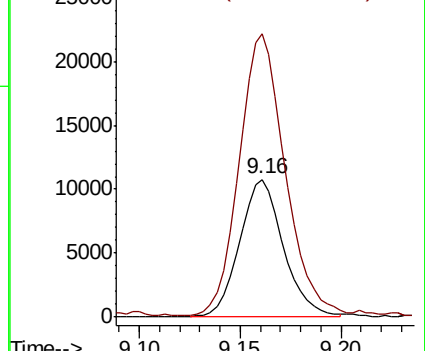
106 100

91 206.0 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 4.466 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017386.D

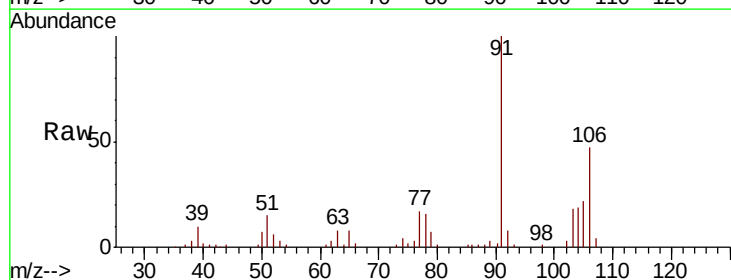
Acq: 08 Jul 2020 10:01

Tgt Ion:106 Resp: 16309

Ion Ratio Lower Upper

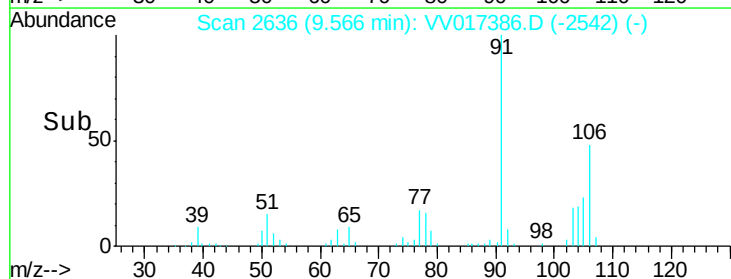
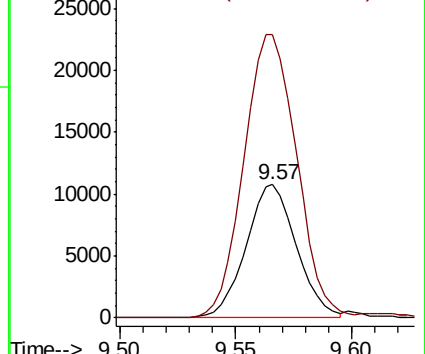
106 100

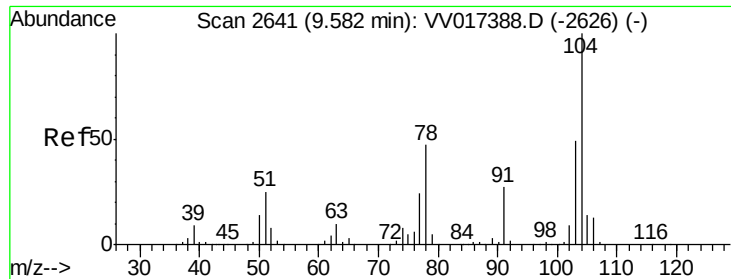
91 211.9 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

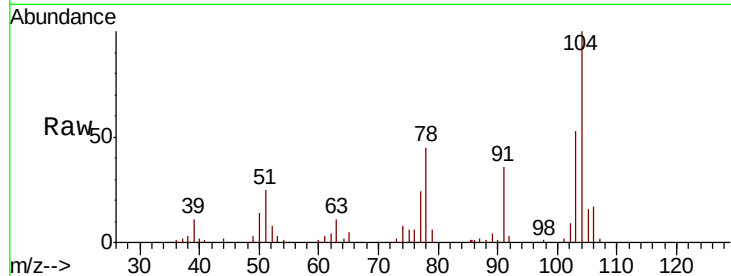




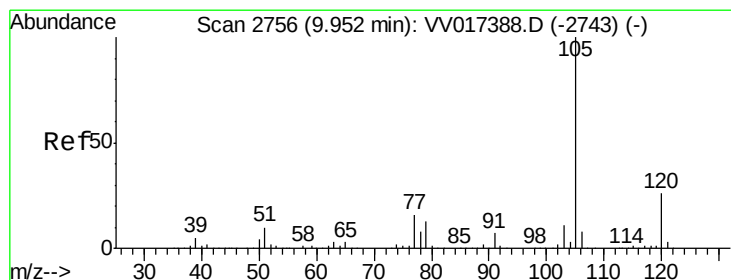
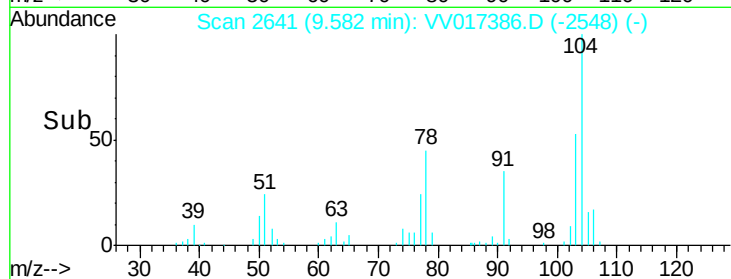
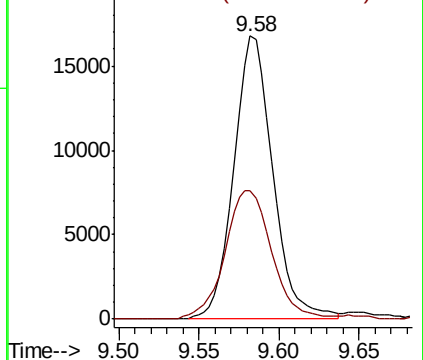
#55
Stvrene
Concen: 4.505 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD00564

Tot Ion:104 Resp: 27892
Ion Ratio Lower Upper
104 100
78 45.2 33.1 61.5

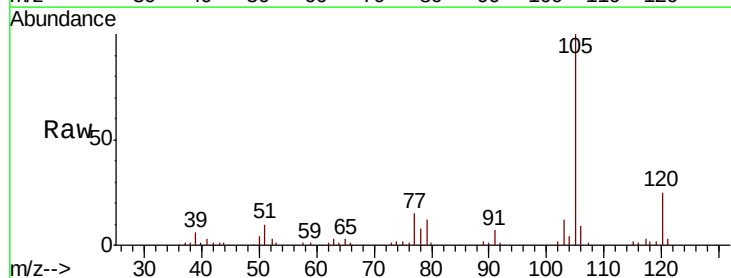


Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0

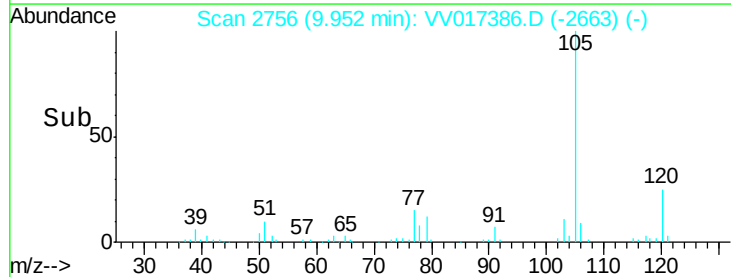
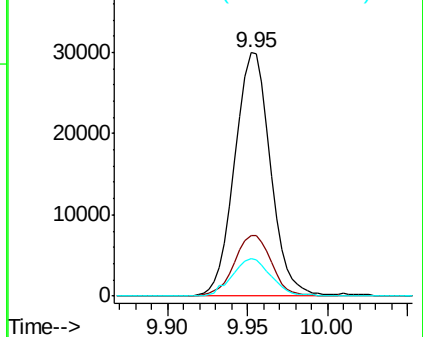


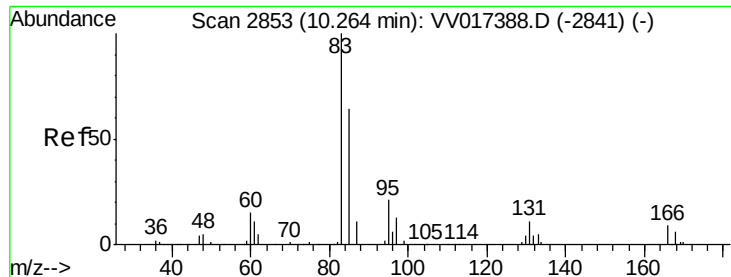
#56
Isopropylbenzene
Concen: 4.653 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. 0.00 min
Lab File: VV017386.D
Acq: 08 Jul 2020 10:01

Tgt Ion:105 Resp: 45826
Ion Ratio Lower Upper
105 100
120 25.6 21.1 31.7
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V
Ion 120.00 (119.70 to 120.70): V
Ion 77.00 (76.70 to 77.70): VV0

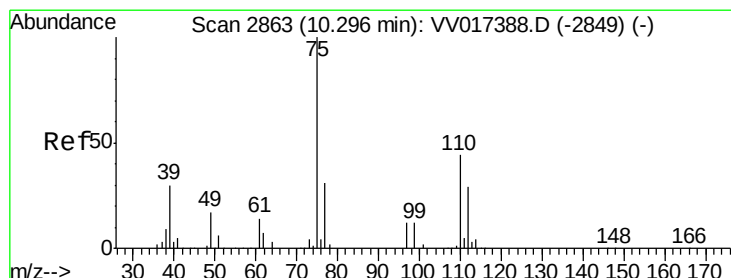
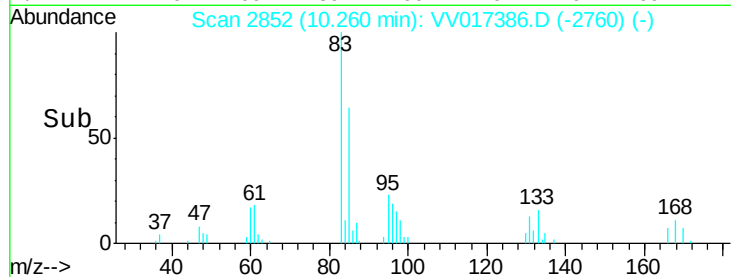
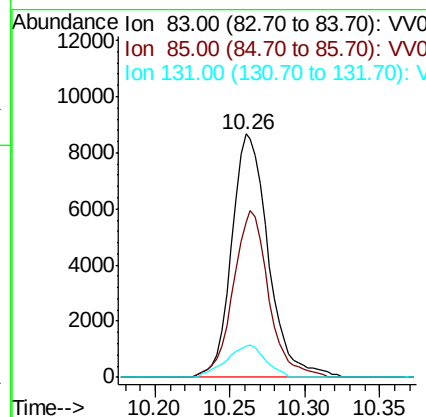
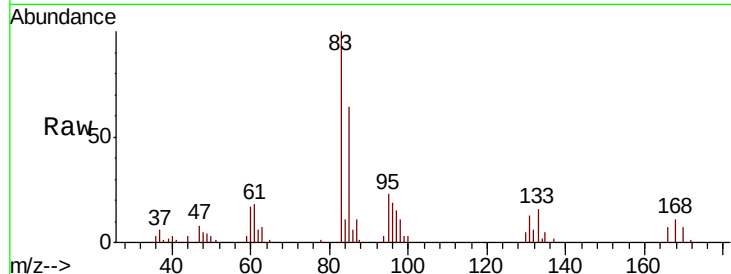




#58
 1,1,2,2-Tetrachloroethane
 Concen: 4.587 ug/L
 RT: 10.26 min Scan# 2852
 Delta R.T. -0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

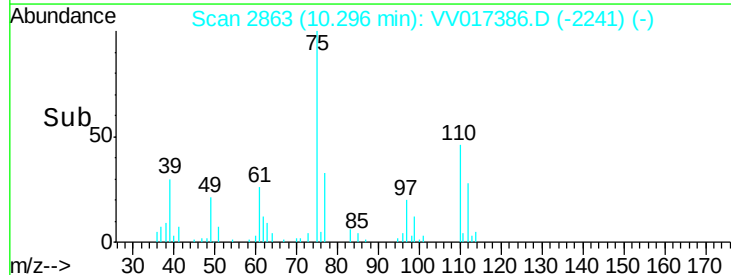
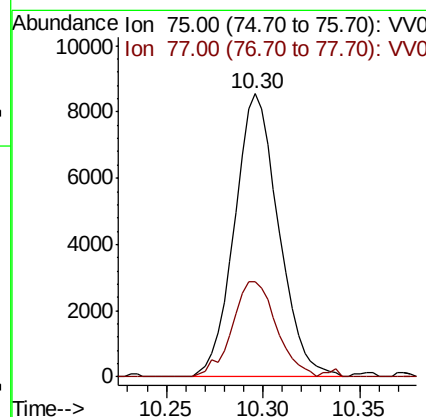
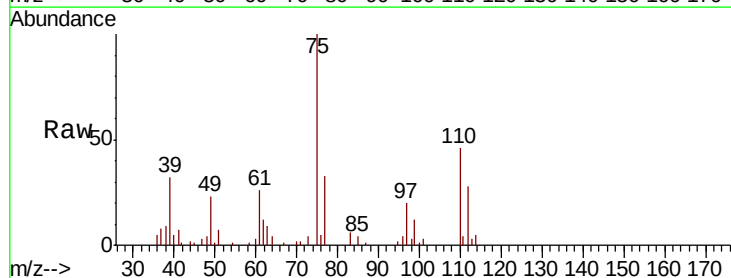
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

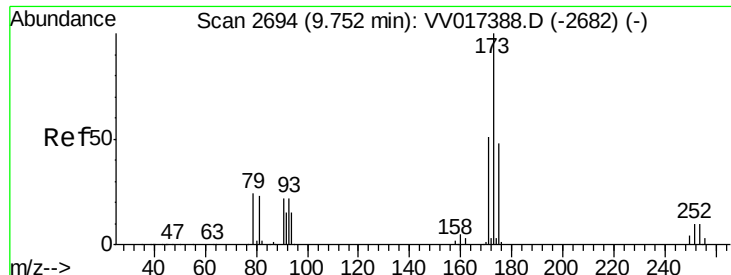
Tot Ion: 83 Resp: 14781
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.9 83.5
 131 12.9 9.4 14.2



#59
 1,2,3-Trichloropropane
 Concen: 4.980 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

Tgt Ion: 75 Resp: 13548
 Ion Ratio Lower Upper
 75 100
 77 33.6 26.5 39.7





#61

Bromoform

Concen: 5.625 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

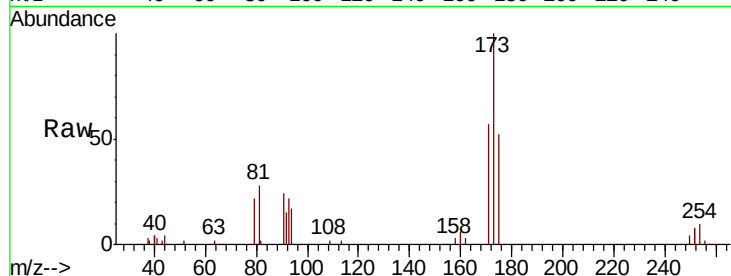
Tot Ion:173 Resp: 8981

Ion Ratio Lower Upper

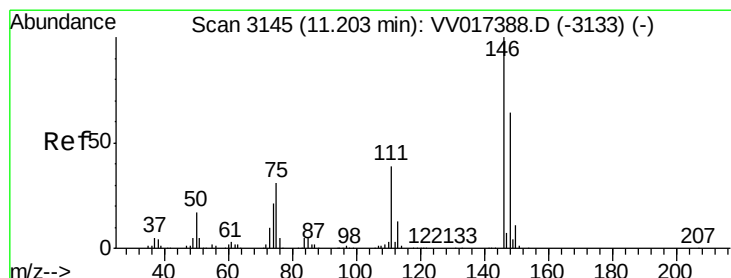
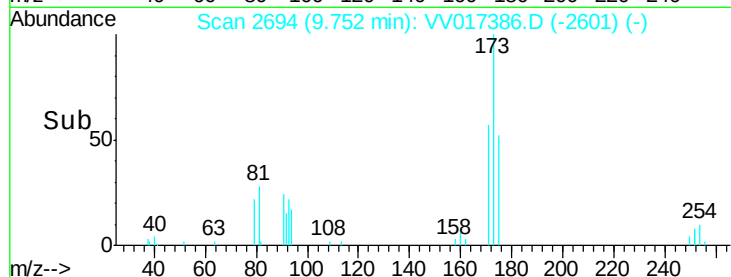
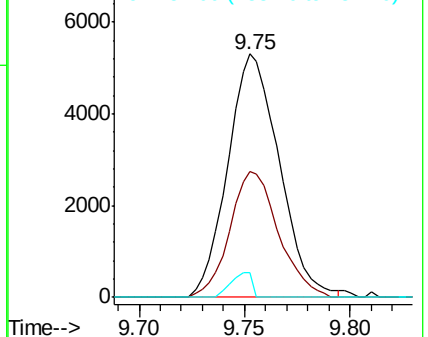
173 100

175 49.0 38.1 57.1

254 4.2 7.4 11.2#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.092 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

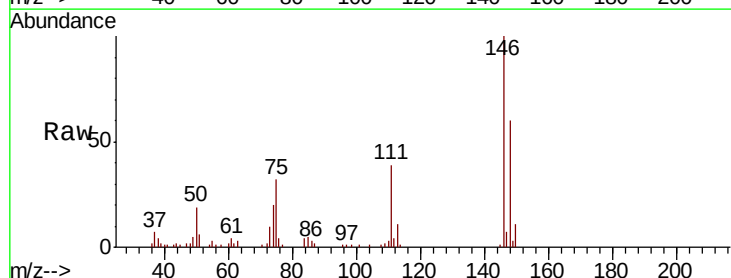
Tgt Ion:146 Resp: 24287

Ion Ratio Lower Upper

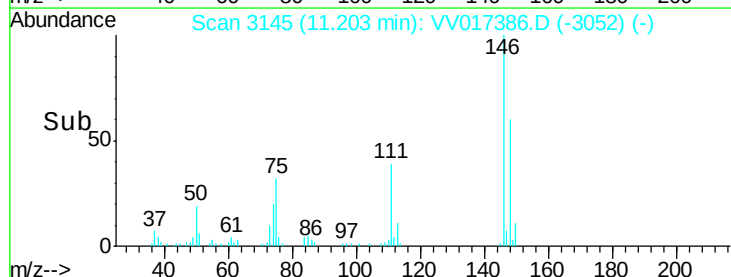
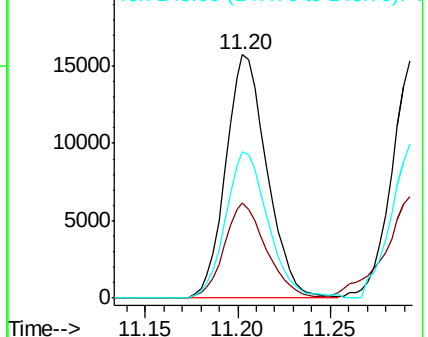
146 100

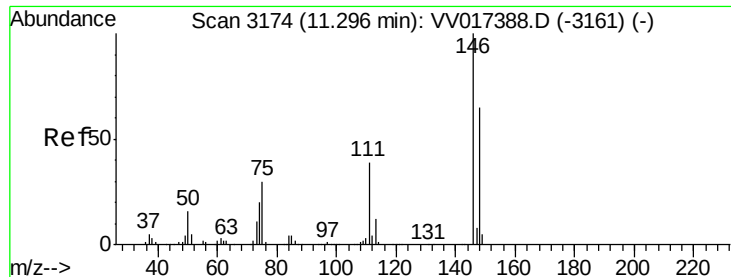
111 38.9 27.2 50.6

148 60.0 44.7 82.9



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

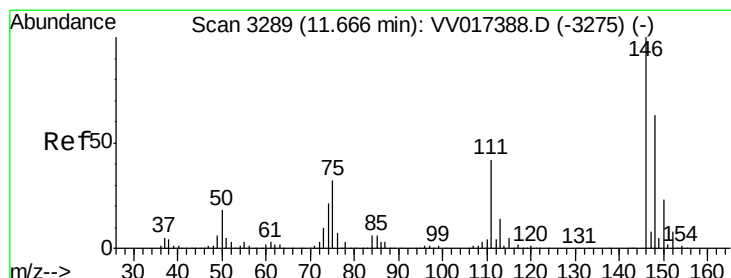
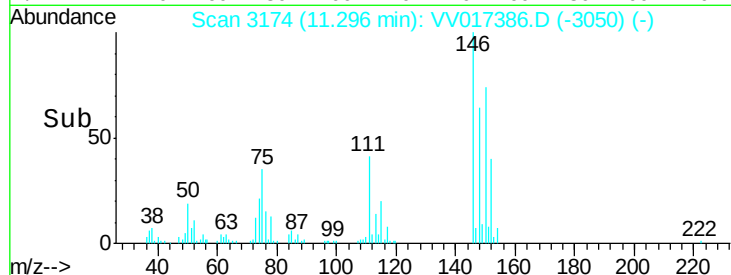
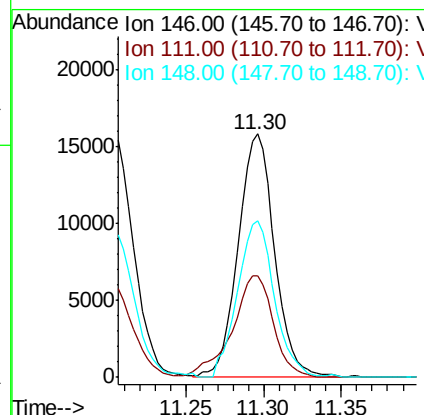
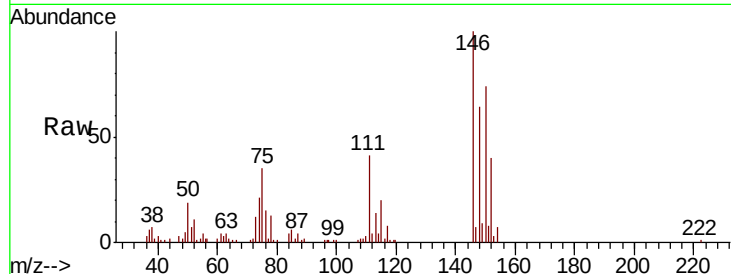




#63
 1,4-Dichlorobenzene
 Concen: 5.340 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

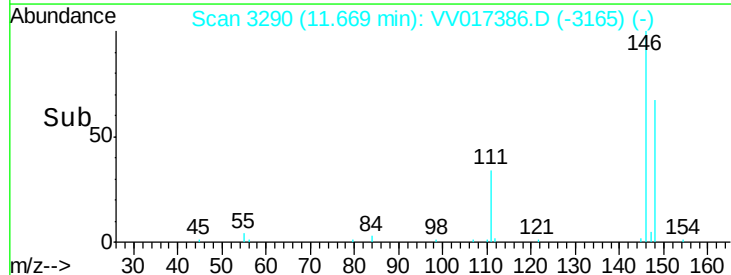
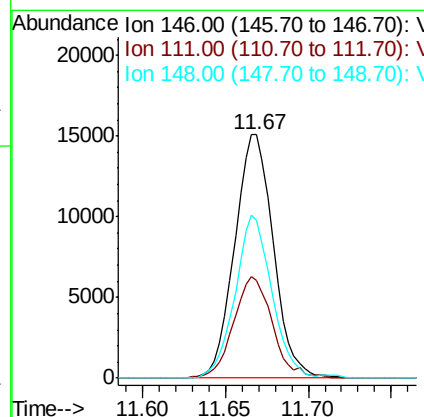
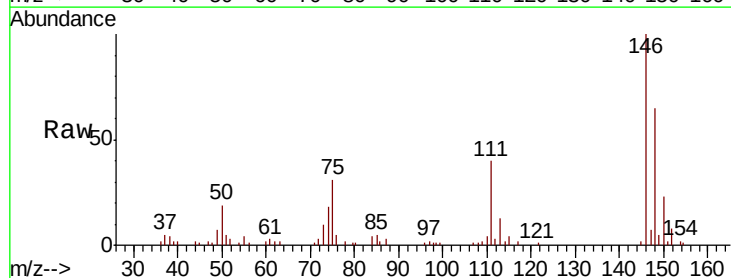
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

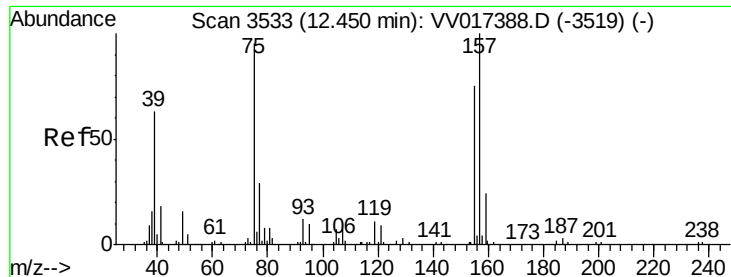
Tot Ion:146 Resp: 25821
 Ion Ratio Lower Upper
 146 100
 111 41.5 27.2 50.4
 148 64.3 45.4 84.4



#65
 1,2-Dichlorobenzene
 Concen: 5.146 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

Tgt Ion:146 Resp: 24469
 Ion Ratio Lower Upper
 146 100
 111 40.3 33.5 50.3
 148 64.6 50.6 76.0





#66

1,2-Dibromo-3-chloropropane

Concen: 4.410 ug/L

RT: 12.45 min Scan# 3534

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD00564

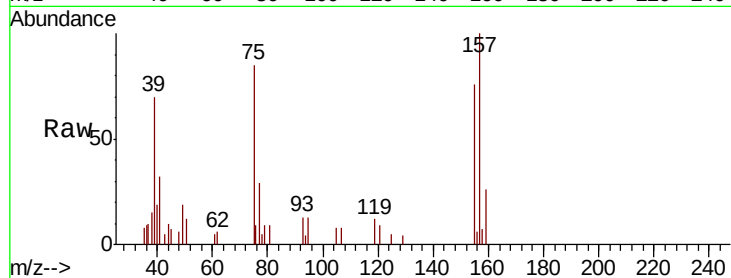
Tot Ion: 75 Resp: 3336

Ion Ratio Lower Upper

75 100

155 88.7 63.4 95.2

157 117.2 84.5 126.7

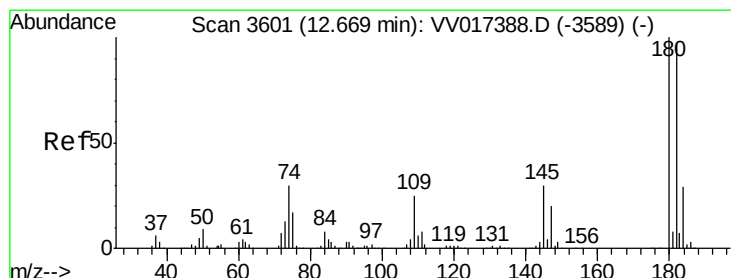
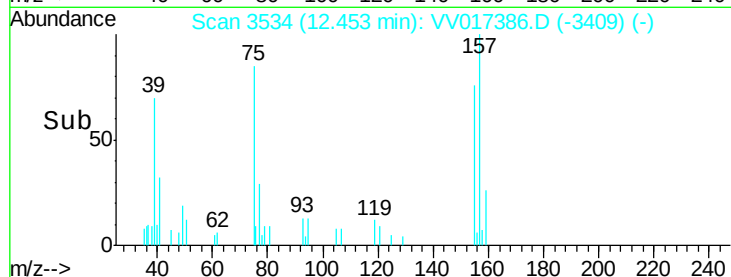


Abundance Ion 75.00 (74.70 to 75.70): VV017388.D (-3519) (-)

Ion 155.00 (154.70 to 155.70): VV017388.D (-3519) (-)

Ion 157.00 (156.70 to 157.70): VV017388.D (-3519) (-)

Time-->



#67

1,3,5-Trichlorobenzene

Concen: 4.718 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017386.D

Acq: 08 Jul 2020 10:01

Tgt Ion: 180 Resp: 16900

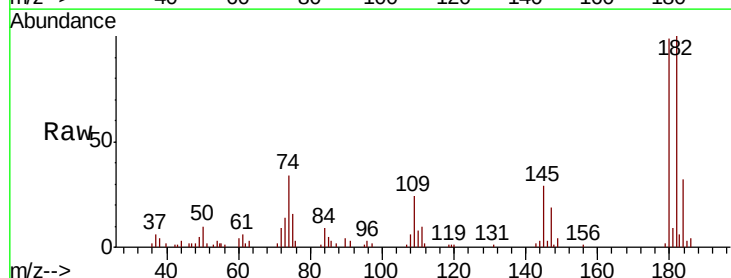
Ion Ratio Lower Upper

180 100

182 96.1 77.0 115.4

184 32.4 24.0 36.0

145 30.2 23.8 35.8



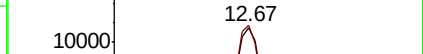
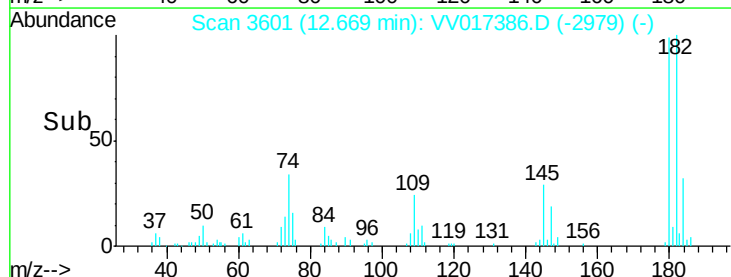
Abundance Ion 180.00 (179.70 to 180.70): VV017388.D (-3589) (-)

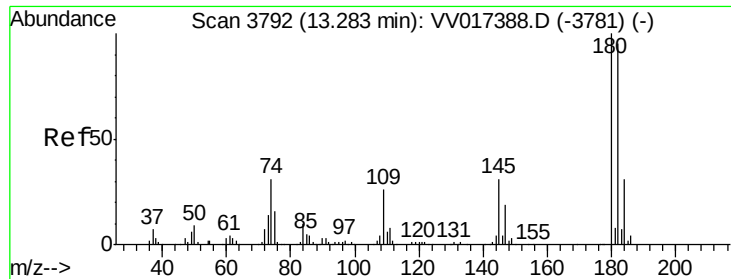
Ion 182.00 (181.70 to 182.70): VV017388.D (-3589) (-)

Ion 184.00 (183.70 to 184.70): VV017388.D (-3589) (-)

Ion 145.00 (144.70 to 145.70): VV017388.D (-3589) (-)

Time-->

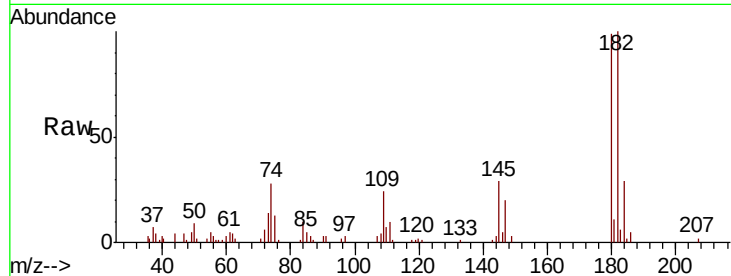




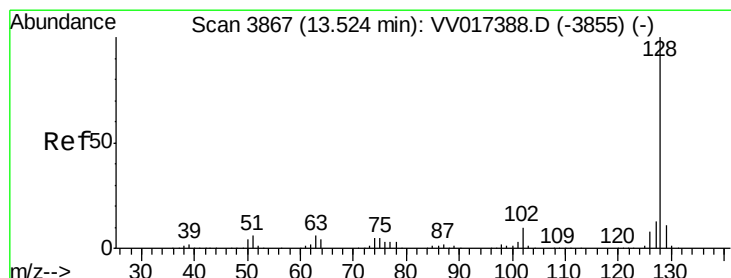
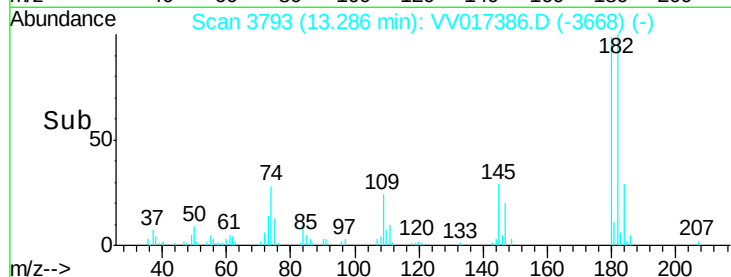
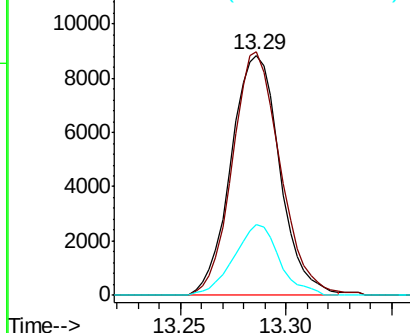
#68
 1,2,4-trichlorobenzene
 Concen: 4.368 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tot Ion:180 Resp: 14216
 Ion Ratio Lower Upper
 180 100
 182 99.7 76.0 114.0
 145 27.5 24.6 36.8

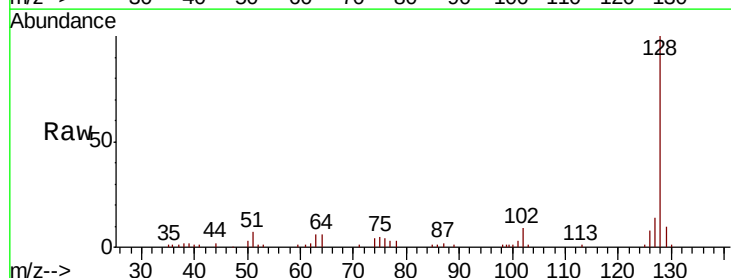


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V

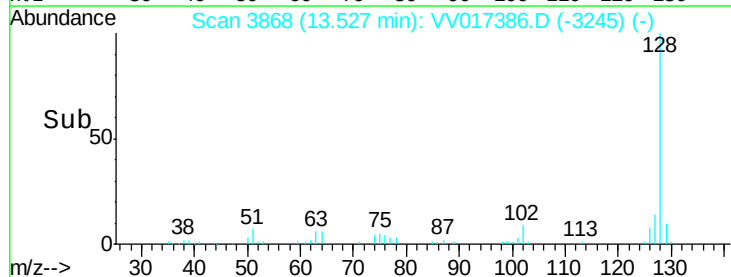
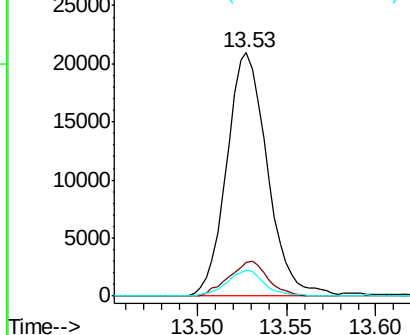


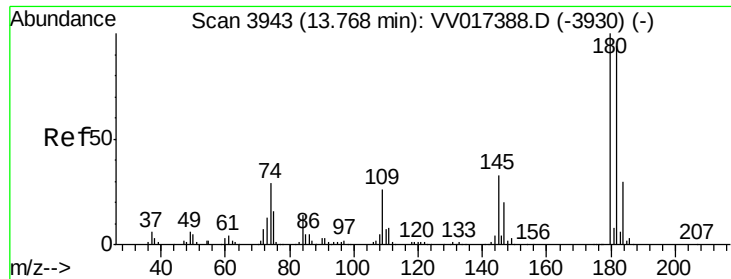
#69
 Naphthalene
 Concen: 3.583 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

Tgt Ion:128 Resp: 33364
 Ion Ratio Lower Upper
 128 100
 127 13.6 10.7 16.1
 129 9.7 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 127.00 (126.70 to 127.70): V
 Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 4.398 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017386.D
 Acq: 08 Jul 2020 10:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00564

Tot Ion:180	Resp:	14148
Ion	Ratio	Lower Upper
180	100	
182	90.2	76.3 114.5
145	33.1	26.5 39.7

