

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018773.D
 Acq On : 08 Oct 2020 19:53
 Operator : SY/MD
 Sample : VSTD00566
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Quant Time: Oct 08 23:37:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 23:30:37 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	302013	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	292034	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	149885	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13779	7.10	ug/L	0.00
7) Chloroethane-d5	1.58	69	12036	7.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	28691	7.39	ug/L	0.00
21) 2-Butanone-d5	3.94	46	11817	8.62	ug/L	0.03
24) Chloroform-d	4.38	84	24431	6.18	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	16873	6.60	ug/L	0.00
32) Benzene-d6	5.08	84	46870	6.08	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	14885	6.15	ug/L	0.00
41) Toluene-d8	7.34	98	40666	5.66	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	7009	5.59	ug/L	0.00
47) 2-Hexanone-d5	8.12	63	7555	8.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	15174	4.96	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	17264	5.85	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	11926	5.984	ug/L 97
3) Chloromethane	1.25	50	15295	6.930	ug/L 96
5) Vinyl chloride	1.32	62	15957	6.851	ug/L 98
6) Bromomethane	1.53	94	9673	6.284	ug/L 100
8) Chloroethane	1.60	64	10784	7.432	ug/L 99
9) Trichlorofluoromethane	1.77	101	23160	6.606	ug/L 96
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	13408	6.815	ug/L 97
12) 1,1-Dichloroethene	2.13	96	12848	6.798	ug/L 96
13) Acetone	2.19	43	17641	15.232	ug/L 95
14) Carbon disulfide	2.31	76	36729	6.134	ug/L 99
15) Methyl Acetate	2.45	43	14272	6.352	ug/L 98
16) Methylene chloride	2.52	84	16149	7.140	ug/L 95
17) trans-1,2-Dichloroethene	2.78	96	13202	6.322	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	41092	6.327	ug/L 99
19) 1,1-Dichloroethane	3.21	63	24390	6.470	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	12628	5.659	ug/L 96
22) 2-Butanone	4.01	43	14038	9.889	ug/L 83
23) Bromochloromethane	4.28	128	6986	5.750	ug/L 94
25) Chloroform	4.40	83	25347	6.407	ug/L 99
27) 1,2-Dichloroethane	5.16	62	20532	6.589	ug/L 97
29) Cyclohexane	4.70	56	18228	5.503	ug/L 100
30) 1,1,1-Trichloroethane	4.64	97	22188	6.158	ug/L 98
31) Carbon tetrachloride	4.85	117	17959	5.599	ug/L 98
33) Benzene	5.13	78	51023	5.965	ug/L 100
34) Trichloroethene	5.94	95	15837	6.298	ug/L 97
35) Methylcyclohexane	6.15	83	17410	5.216	ug/L 95
37) 1,2-Dichloropropane	6.20	63	14080	6.245	ug/L 100
38) Bromodichloromethane	6.53	83	17767	6.023	ug/L 98
39) cis-1,3-Dichloropropene	7.05	75	16782	4.906	ug/L 99
40) 4-Methyl-2-pentanone	7.25	43	31468	11.013	ug/L 98

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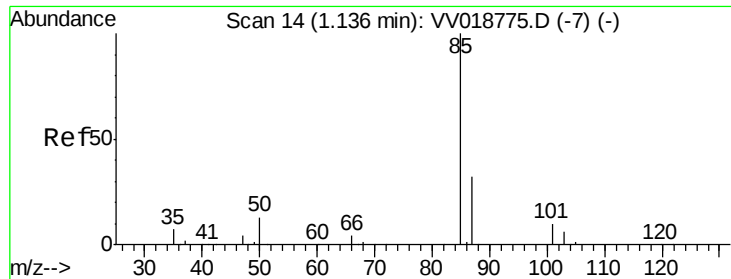
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Oct 08 23:37:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	50781	5.521	ug/L	98
44) trans-1,3-Dichloropropene	7.68	75	18113	5.354	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	13465	6.238	ug/L	93
46) Tetrachloroethene	8.00	164	12069	6.132	ug/L	97
48) 2-Hexanone	8.16	43	26339	11.801	ug/L	93
49) Dibromochloromethane	8.27	129	13294	5.439	ug/L	99
50) 1,2-Dibromoethane	8.38	107	12506	5.494	ug/L #	98
51) Chlorobenzene	8.90	112	34991	5.669	ug/L	99
52) Ethylbenzene	9.03	91	55874	5.432	ug/L	97
53) m,p-Xylene	9.16	106	19891	5.038	ug/L	99
54) o-xylene	9.56	106	18752	5.029	ug/L	96
55) Styrene	9.58	104	31052	4.759	ug/L	98
56) Isopropylbenzene	9.95	105	50049	4.902	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	14423	4.736	ug/L	93
59) 1,2,3-Trichloropropane	10.30	75	15731	5.850	ug/L	98
61) Bromoform	9.75	173	8177	4.808	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	26824	5.596	ug/L	98
63) 1,4-Dichlorobenzene	11.30	146	29205	5.912	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	27135	5.697	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.45	75	3074	4.797	ug/L	88
67) 1,3,5-Trichlorobenzene	12.67	180	17260	5.256	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	15621	5.134	ug/L	99
69) Naphthalene	13.53	128	33932	3.902	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	14684	4.791	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 5.984 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

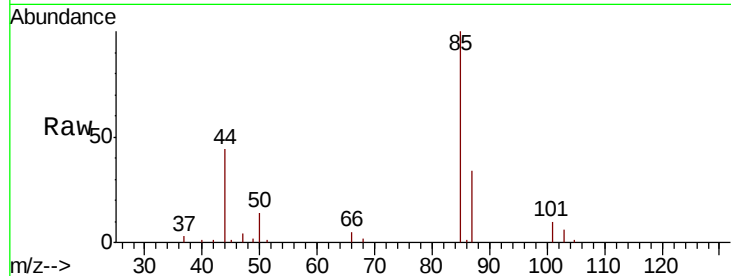
VSTD00566

Tot Ion: 85 Resp: 11926

Ion Ratio Lower Upper

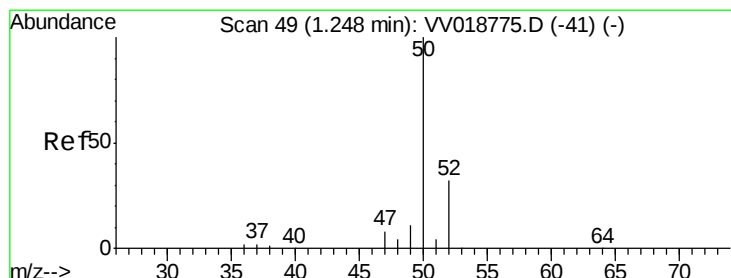
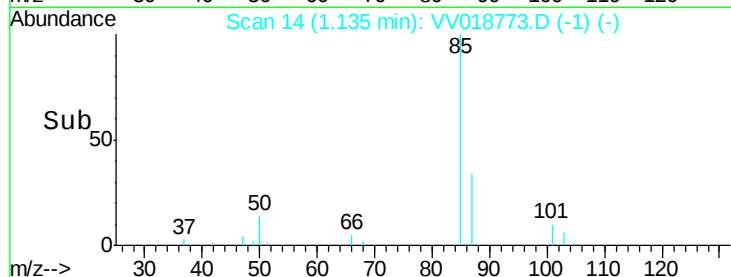
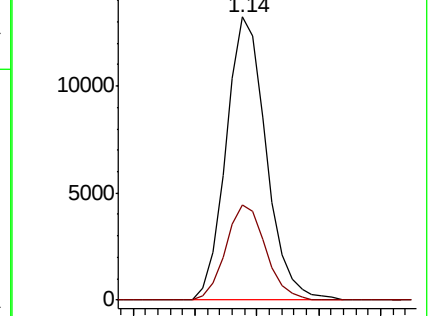
85 100

87 33.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 6.930 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018773.D

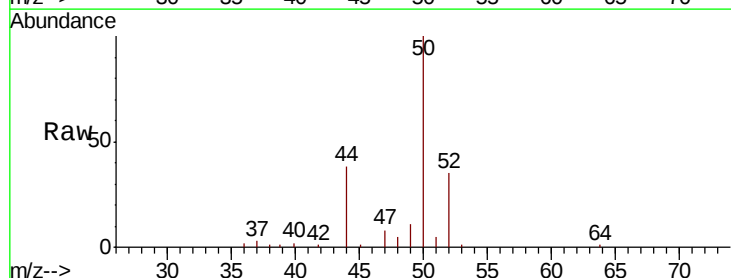
Acq: 08 Oct 2020 19:53

Tgt Ion: 50 Resp: 15295

Ion Ratio Lower Upper

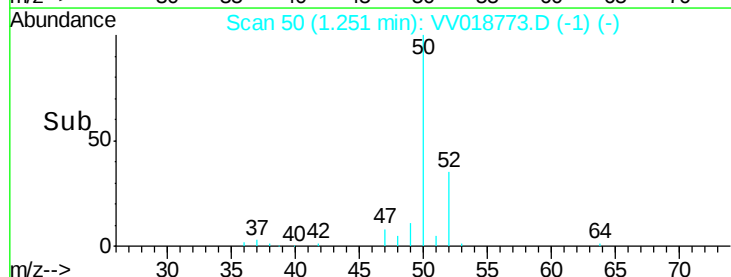
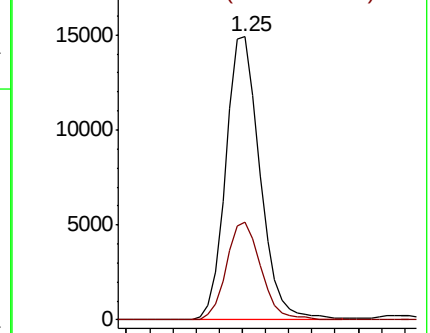
50 100

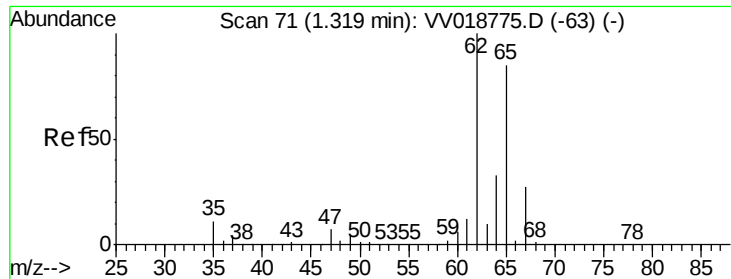
52 34.6 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 6.851 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

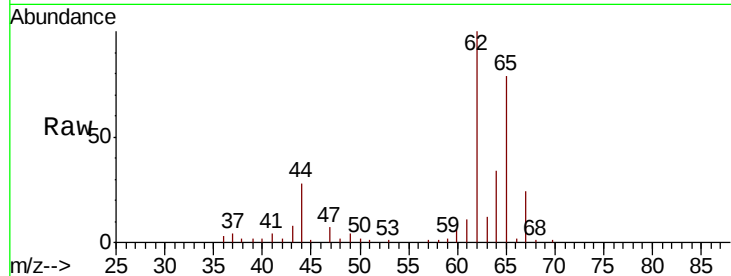
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tot Ion: 62 Resp: 15957

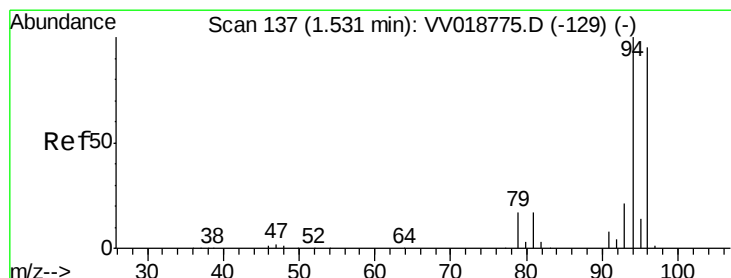
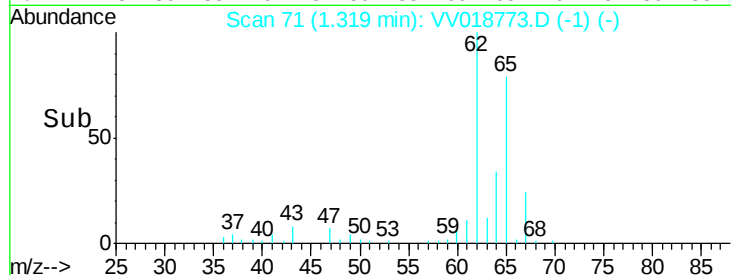
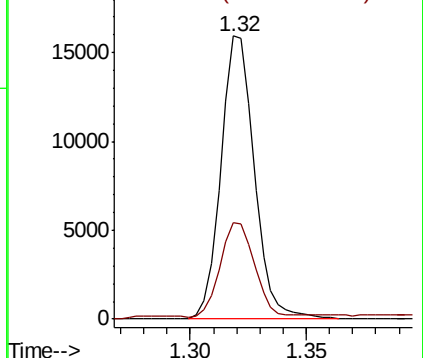
Ion Ratio Lower Upper

62 100

64 34.0 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0
Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 6.284 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018773.D

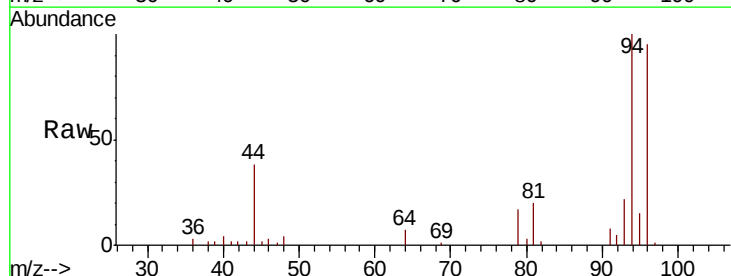
Acq: 08 Oct 2020 19:53

Tgt Ion: 94 Resp: 9673

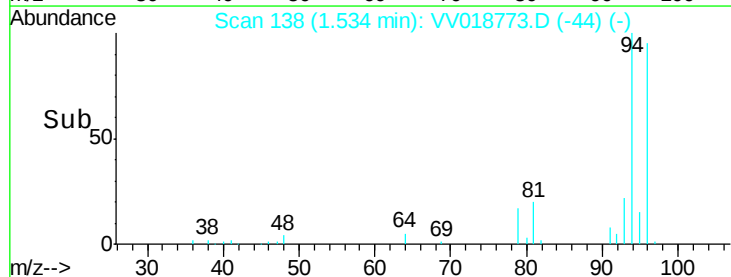
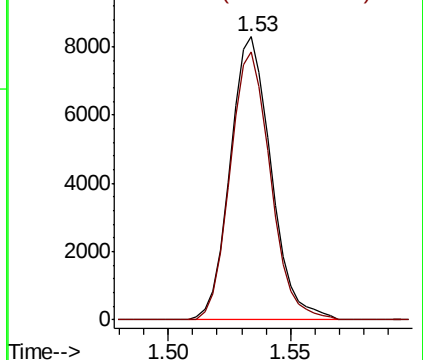
Ion Ratio Lower Upper

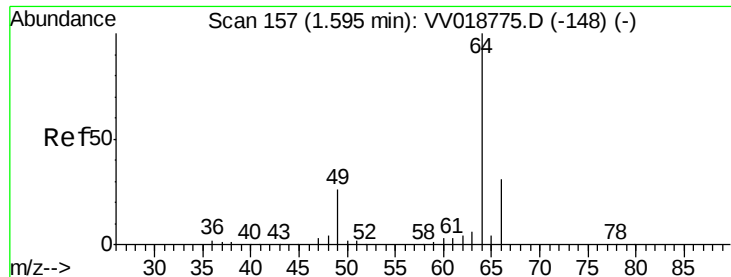
94 100

96 94.6 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0
Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.432 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

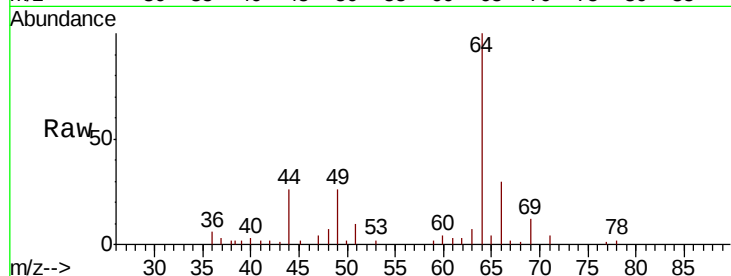
VSTD00566

Tot Ion: 64 Resp: 10784

Ion Ratio Lower Upper

64 100

66 30.2 21.7 40.3



Abundance Ion 64.00 (63.70 to 64.70): VV018775.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018775.D (-148) (-)

1.60

12000

10000

8000

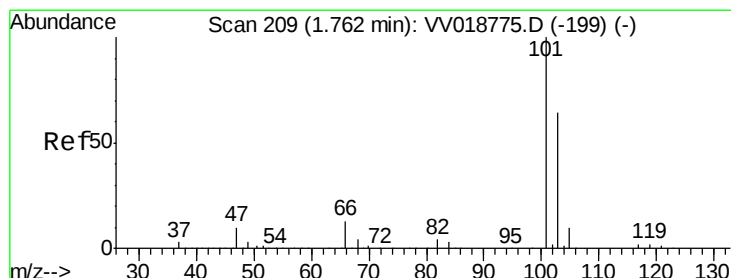
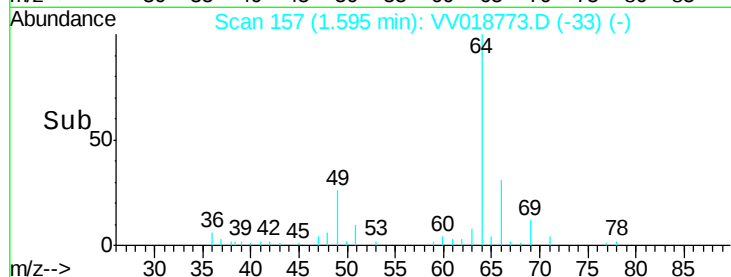
6000

4000

2000

0

Time-->



#9

Trichlorofluoromethane

Concen: 6.606 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018773.D

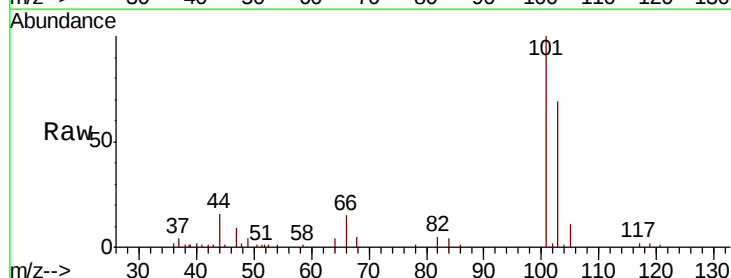
Acq: 08 Oct 2020 19:53

Tgt Ion: 101 Resp: 23160

Ion Ratio Lower Upper

101 100

103 67.4 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV018775.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018775.D (-199) (-)

1.77

20000

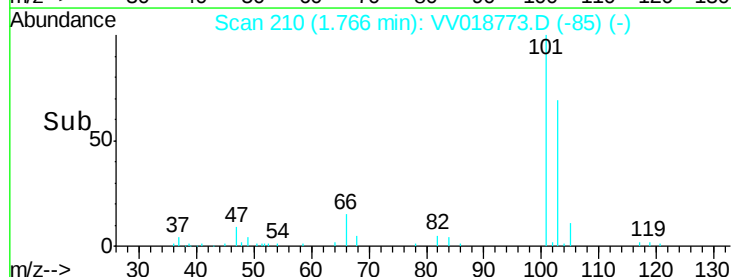
15000

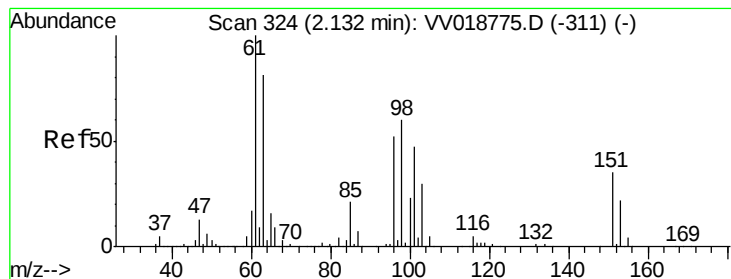
10000

5000

0

Time-->





#10

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

Concen: 6.815 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

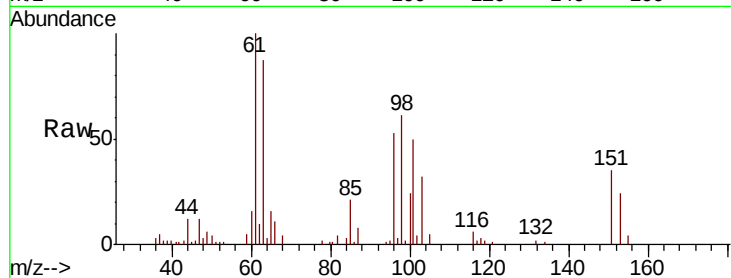
Tot Ion: 101 Resp: 13408

Ion Ratio Lower Upper

101 100

85 43.2 35.9 53.9

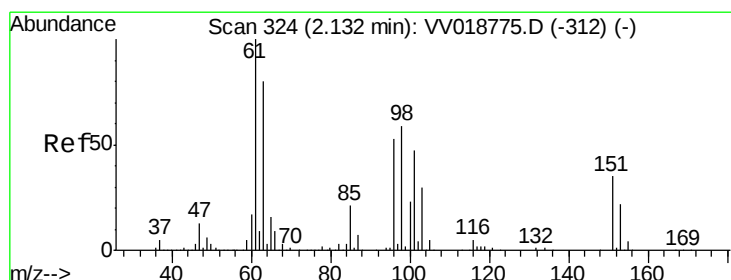
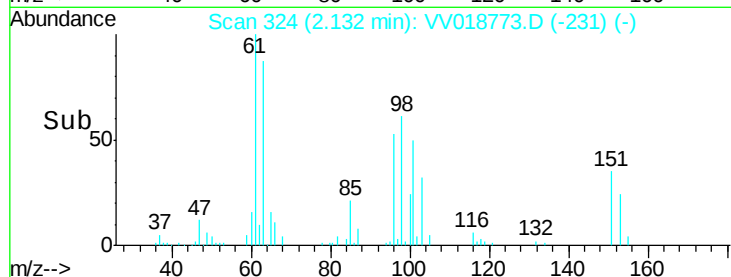
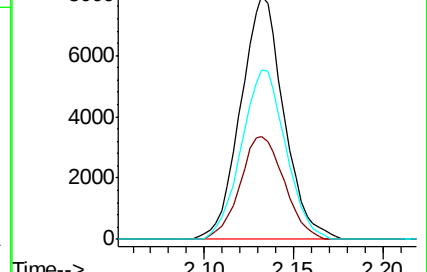
151 71.5 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018775.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV018775.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV018775.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 6.798 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

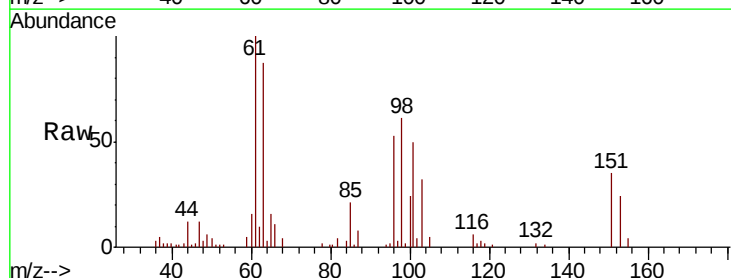
Tgt Ion: 96 Resp: 12848

Ion Ratio Lower Upper

96 100

61 188.6 133.6 248.0

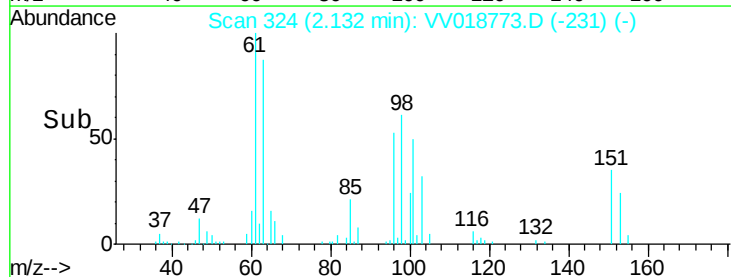
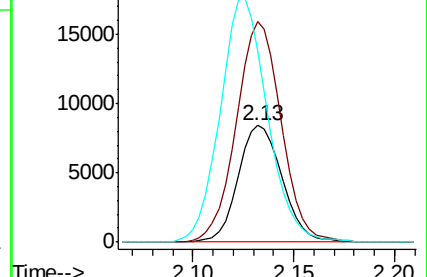
63 163.9 108.4 201.4

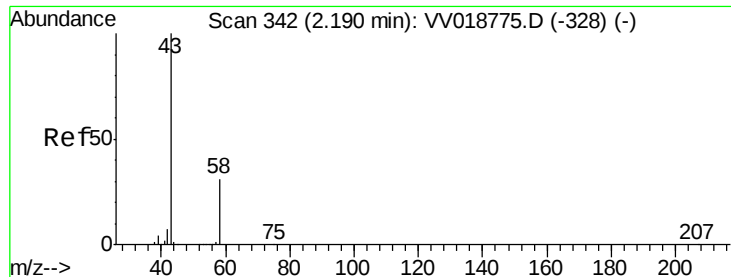


Abundance Ion 96.00 (95.70 to 96.70): VV018775.D (-312) (-)

Ion 61.00 (60.70 to 61.70): VV018775.D (-312) (-)

Ion 63.00 (62.70 to 63.70): VV018775.D (-312) (-)





#13

Acetone

Concen: 15.232 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

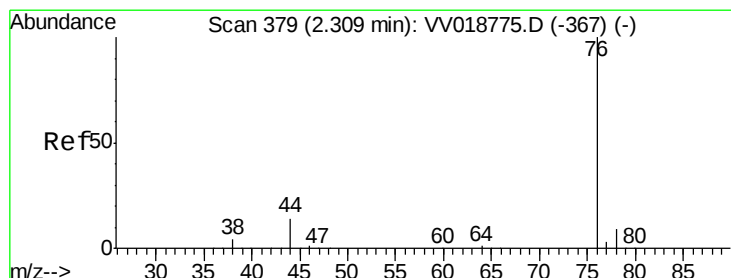
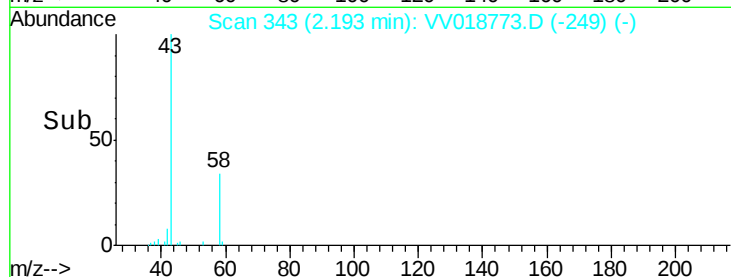
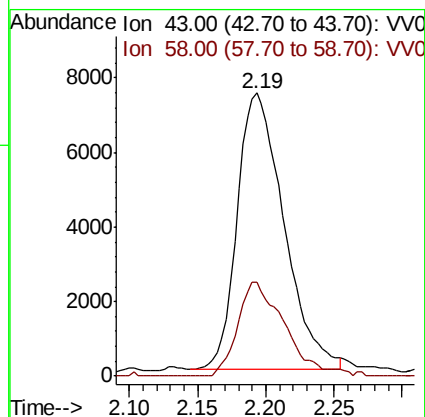
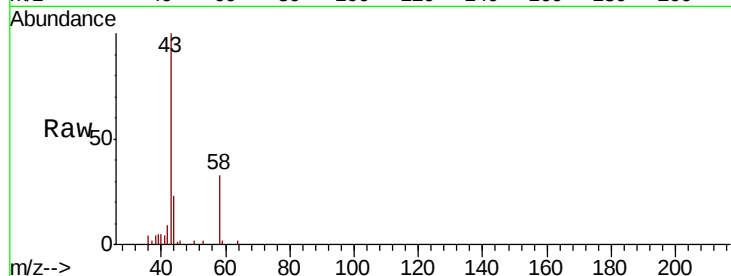
VSTD00566

Tot Ion: 43 Resp: 17641

Ion Ratio Lower Upper

43 100

58 33.3 0.0 61.0



#14

Carbon disulfide

Concen: 6.134 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018773.D

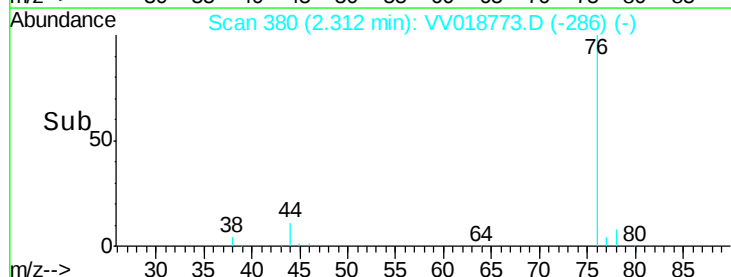
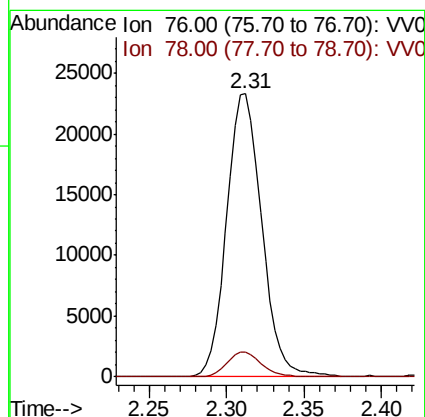
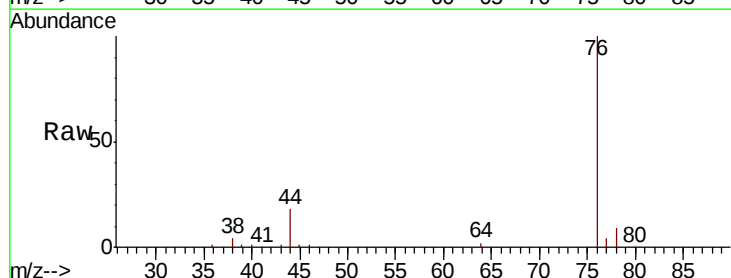
Acq: 08 Oct 2020 19:53

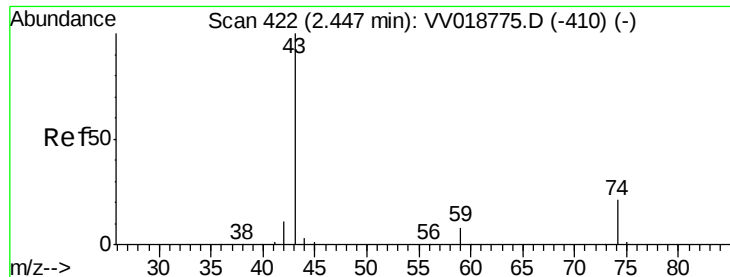
Tgt Ion: 76 Resp: 36729

Ion Ratio Lower Upper

76 100

78 8.8 7.4 11.0

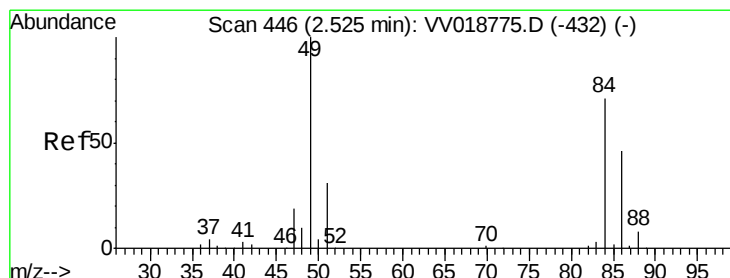
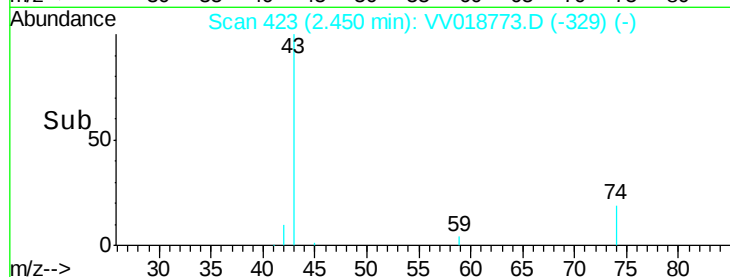
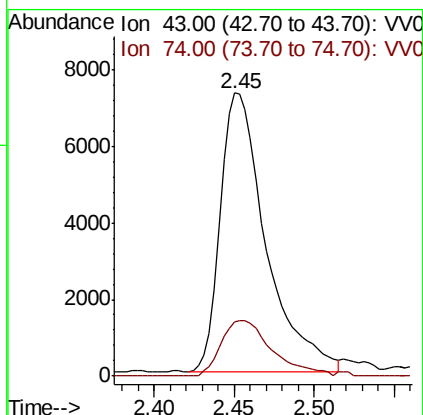
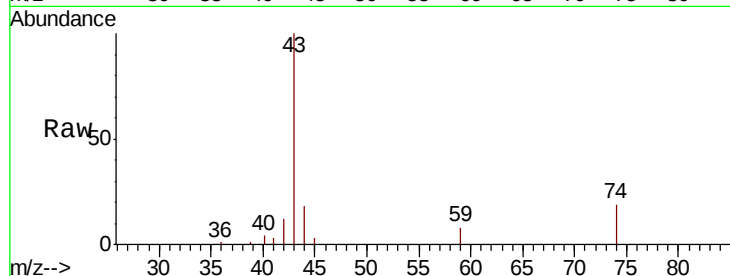




#15
Methvl Acetate
Concen: 6.352 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

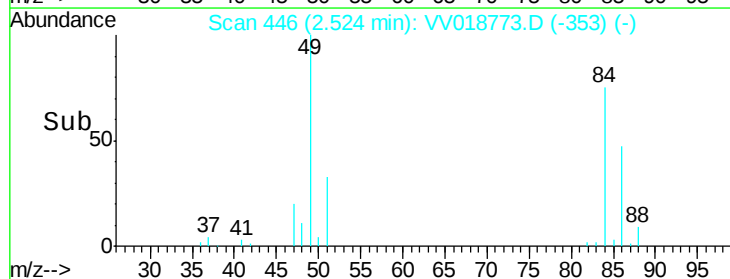
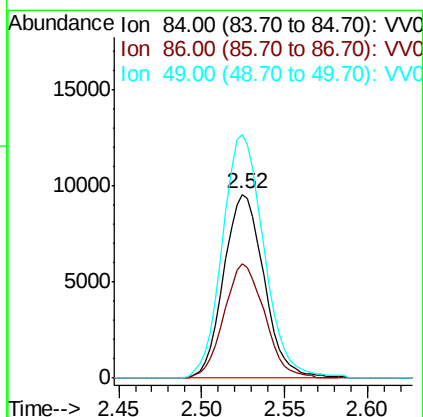
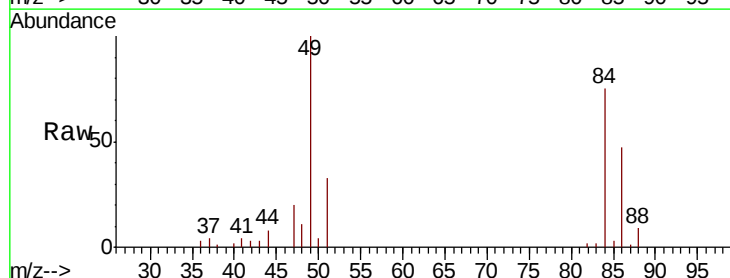
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

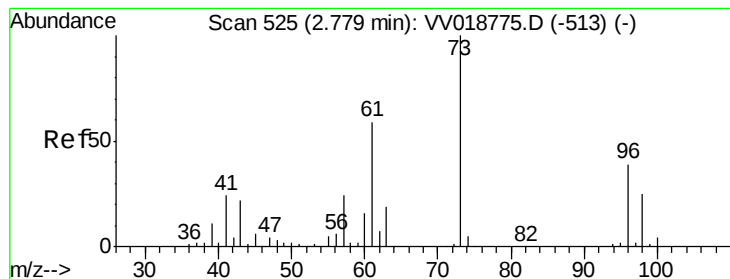
Tot Ion: 43 Resp: 14272
Ion Ratio Lower Upper
43 100
74 22.1 16.9 25.3



#16
Methylene chloride
Concen: 7.140 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

Tgt Ion: 84 Resp: 16149
Ion Ratio Lower Upper
84 100
86 62.1 45.2 84.0
49 132.6 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 6.322 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

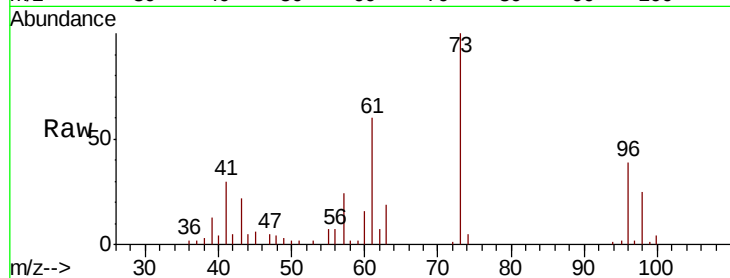
Tot Ion: 96 Resp: 13202

Ion Ratio Lower Upper

96 100

61 155.3 105.7 196.3

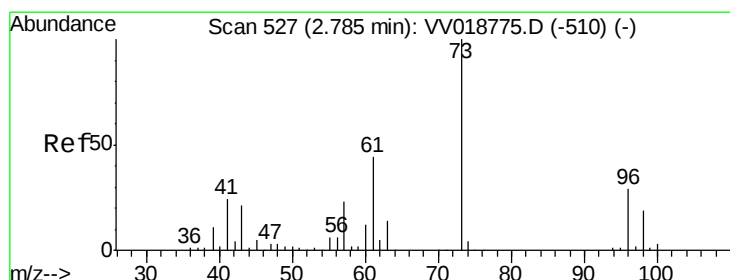
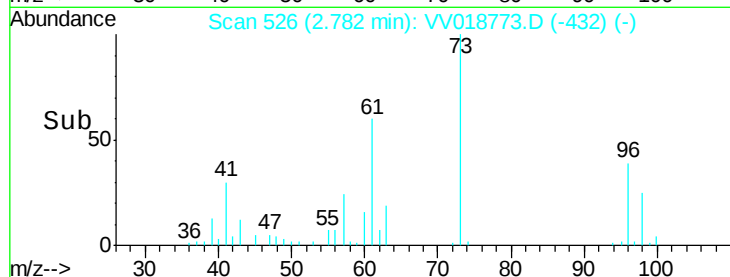
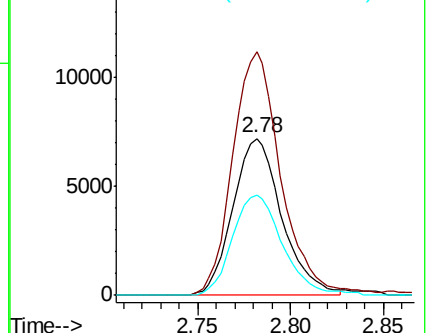
98 64.1 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV018773.D (-432) (-)

Ion 61.00 (60.70 to 61.70): VV018773.D (-432) (-)

Ion 98.00 (97.70 to 98.70): VV018773.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 6.327 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

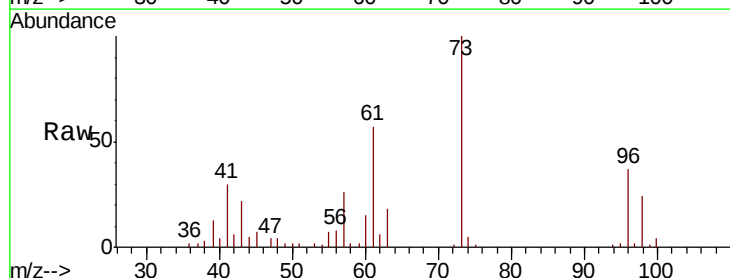
Tgt Ion: 73 Resp: 41092

Ion Ratio Lower Upper

73 100

43 22.1 17.3 25.9

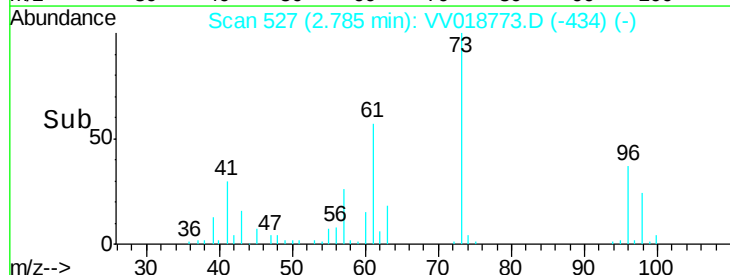
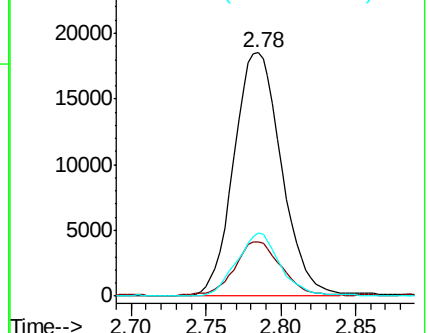
57 23.5 18.5 27.7

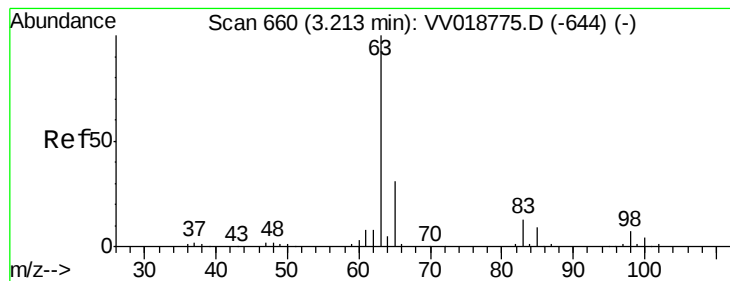


Abundance Ion 73.00 (72.70 to 73.70): VV018773.D (-434) (-)

Ion 43.00 (42.70 to 43.70): VV018773.D (-434) (-)

Ion 57.00 (56.70 to 57.70): VV018773.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 6.470 ug/L

RT: 3.21 min Scan# 660

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

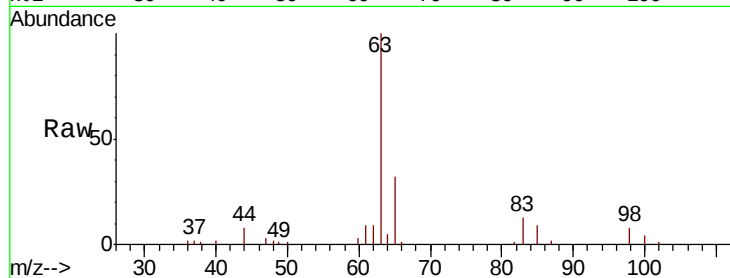
Tot Ion: 63 Resp: 24390

Ion Ratio Lower Upper

63 100

65 31.8 22.0 40.8

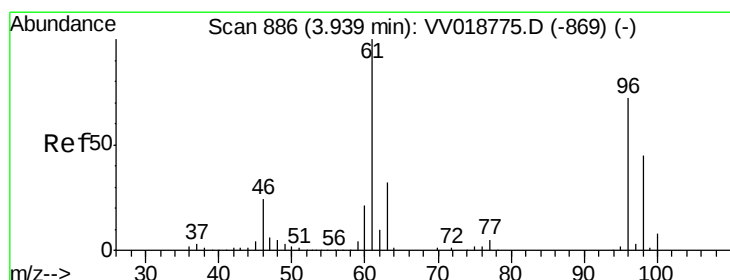
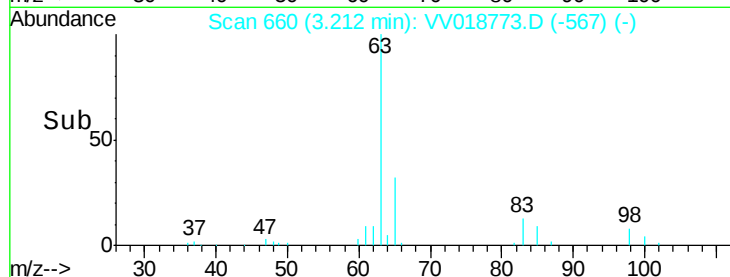
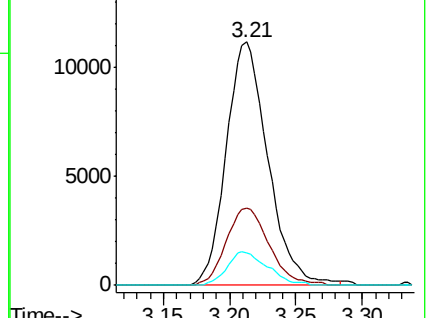
83 13.4 9.2 17.0



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: 5.659 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

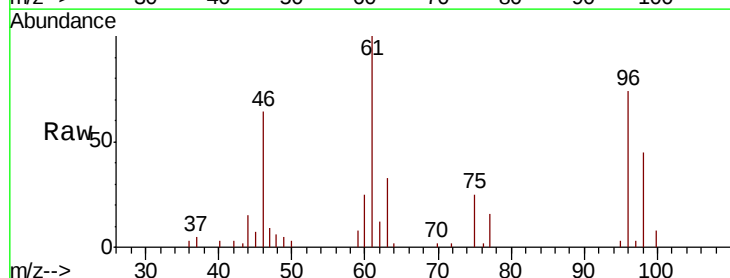
Tgt Ion: 96 Resp: 12628

Ion Ratio Lower Upper

96 100

61 134.4 97.3 180.7

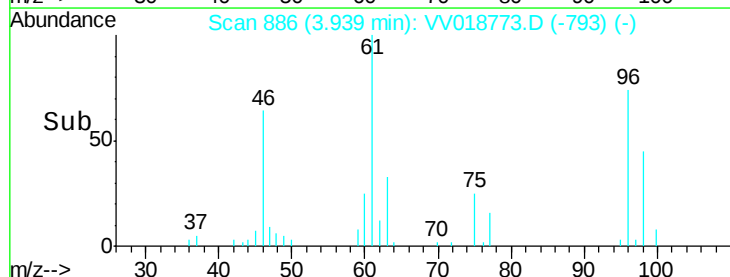
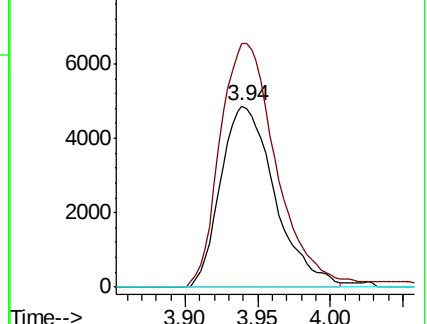
68 0.0 0.0 0.0

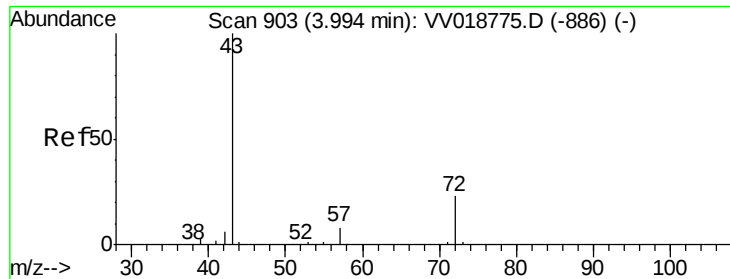


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 9.889 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.02 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

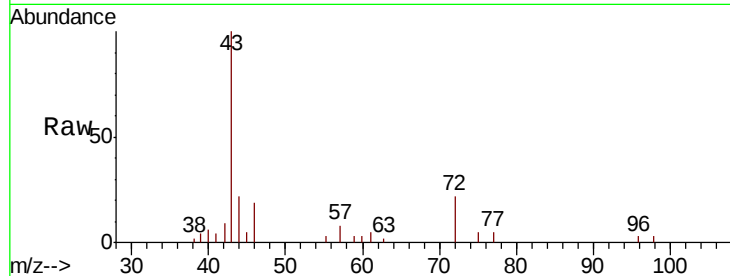
VSTD00566

Tot Ion: 43 Resp: 14038

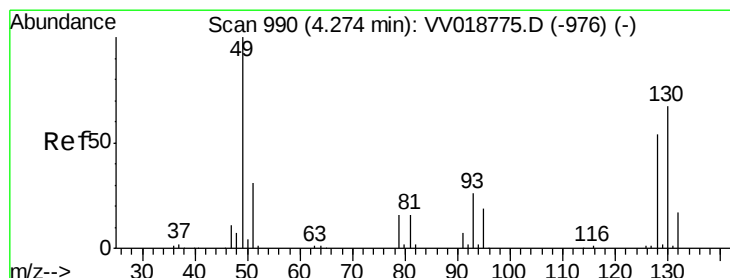
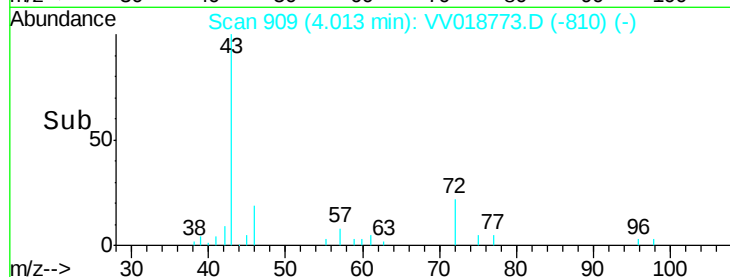
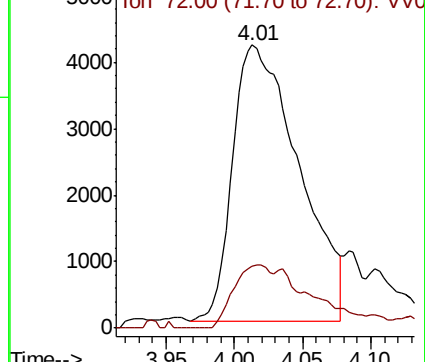
Ion Ratio Lower Upper

43 100

72 13.2 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018773.D (-810) (-)



#23

Bromochloromethane

Concen: 5.750 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Tgt Ion: 128 Resp: 6986

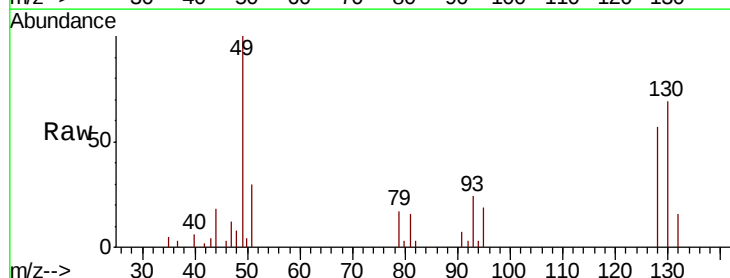
Ion Ratio Lower Upper

128 100

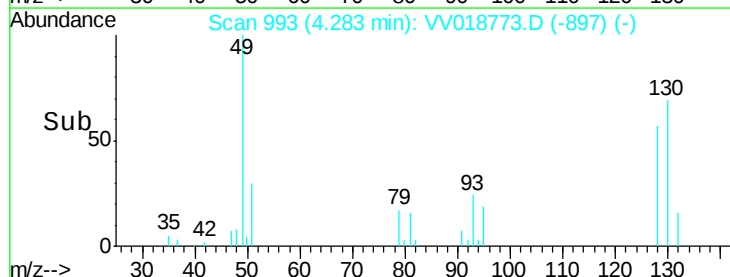
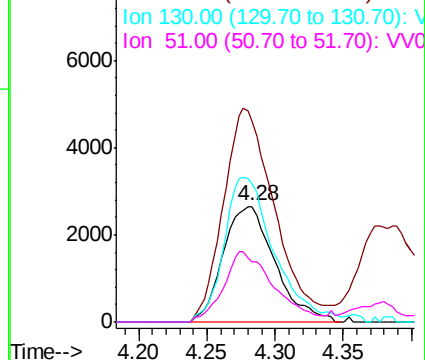
49 174.4 129.7 240.9

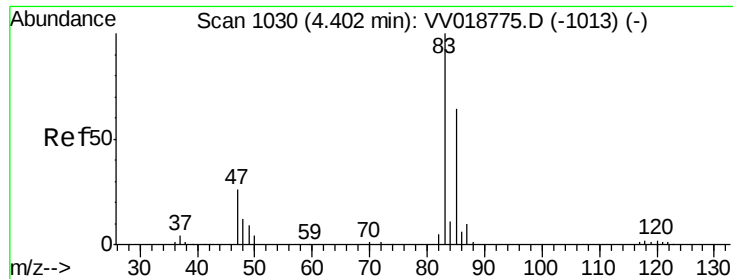
130 120.1 86.7 161.1

51 52.4 45.9 68.9



Abundance Ion 128.00 (127.70 to 128.70): VV018773.D (-897) (-)

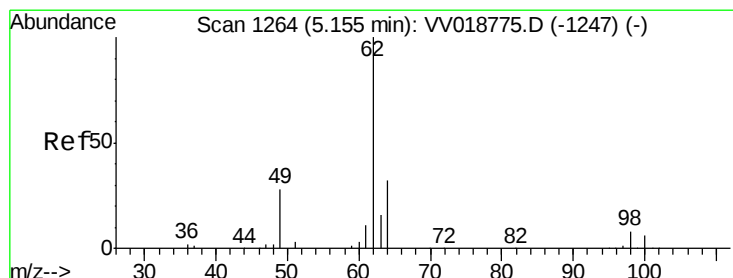
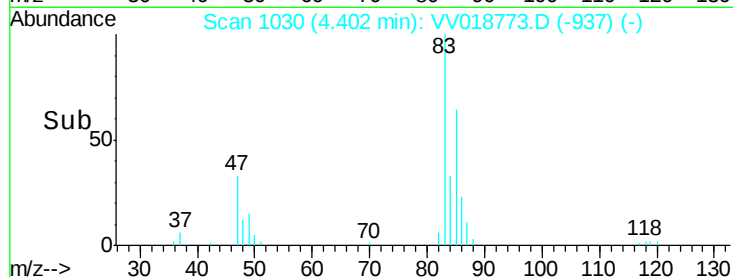
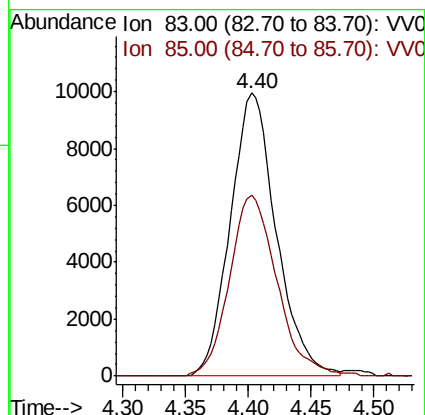
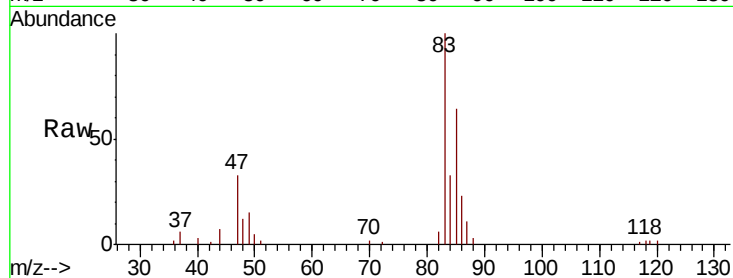




#25
Chloroform
Concen: 6.407 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

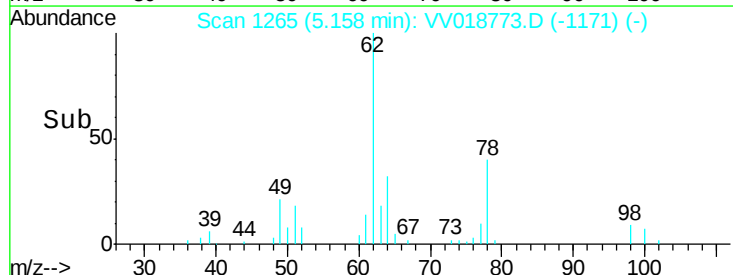
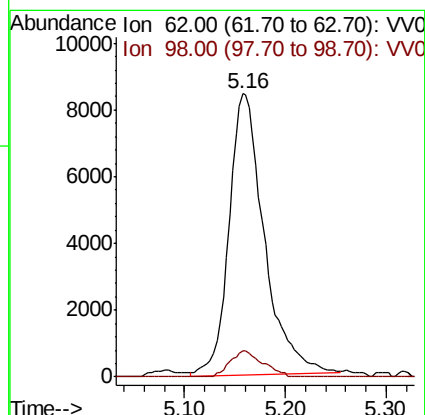
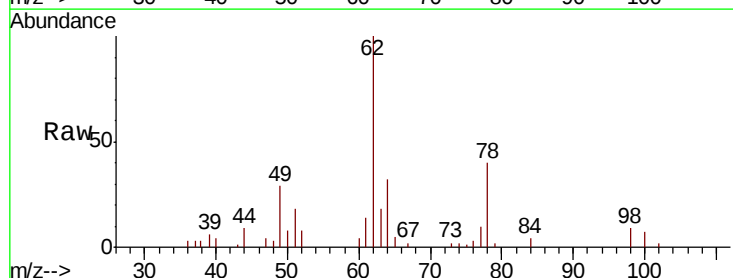
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

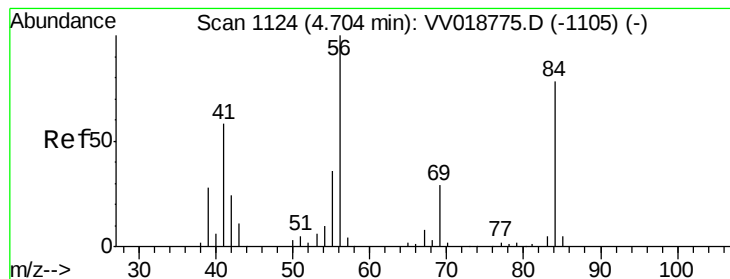
Tot Ion: 83 Resp: 25347
Ion Ratio Lower Upper
83 100
85 63.9 45.0 83.6



#27
1,2-Dichloroethane
Concen: 6.589 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

Tgt Ion: 62 Resp: 20532
Ion Ratio Lower Upper
62 100
98 9.3 6.6 10.0





#29

Cyclohexane

Concen: 5.503 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

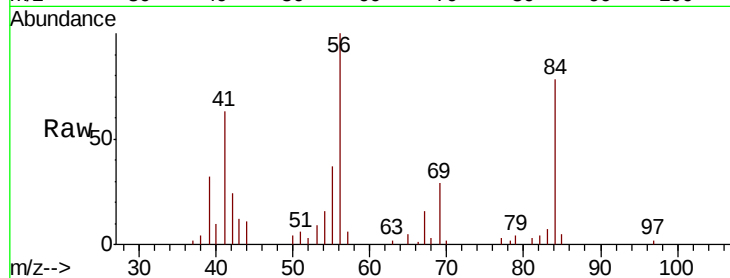
Tot Ion: 56 Resp: 18228

Ion Ratio Lower Upper

56 100

69 28.2 23.1 34.7

84 81.5 65.2 97.8

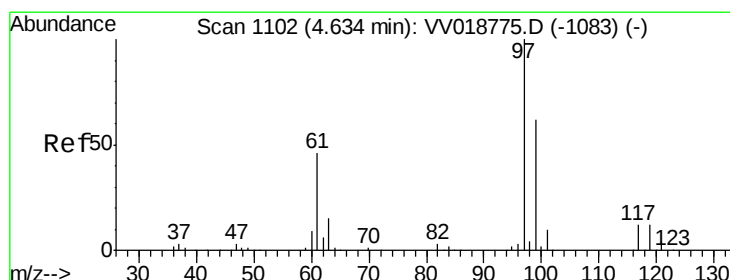
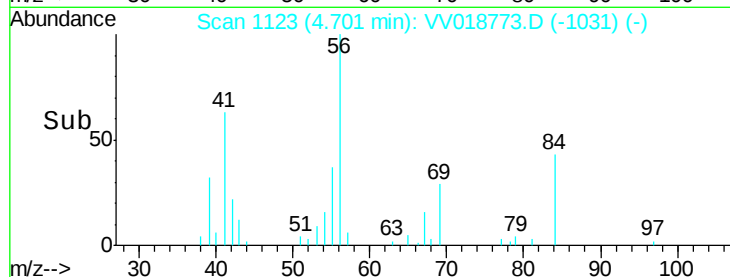
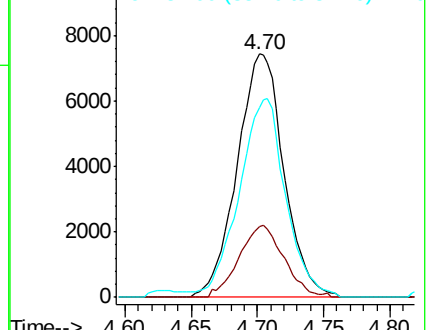


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 6.158 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

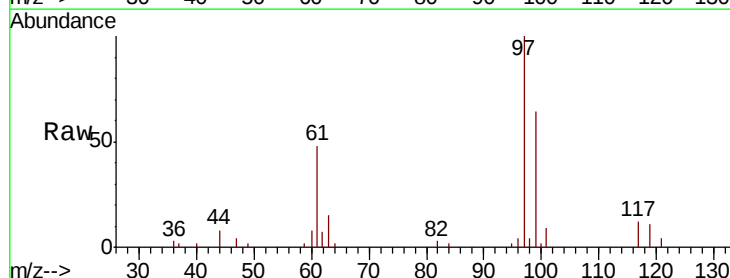
Tgt Ion: 97 Resp: 22188

Ion Ratio Lower Upper

97 100

99 64.3 51.0 76.4

61 48.2 37.0 55.4

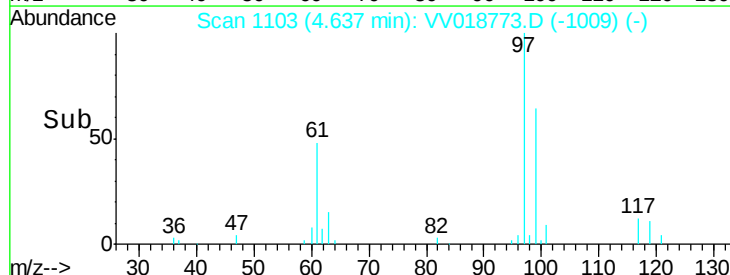
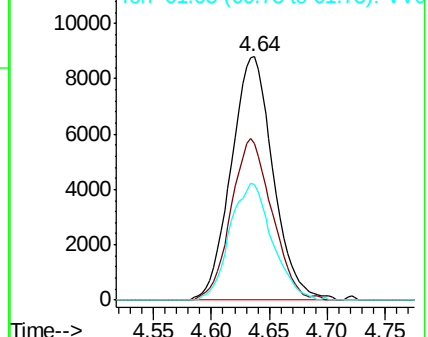


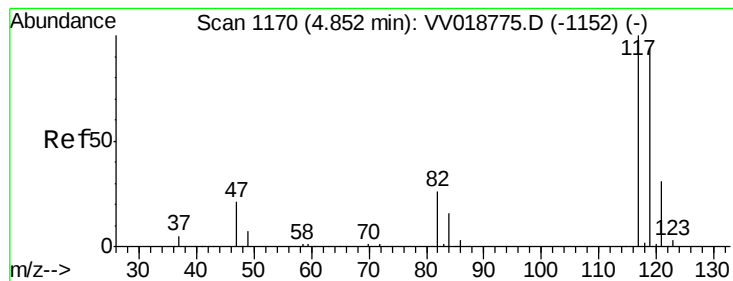
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 5.599 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

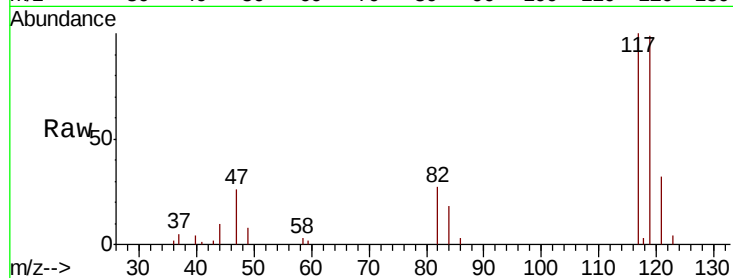
VSTD00566

Tot Ion:117 Resp: 17959

Ion Ratio Lower Upper

117 100

119 97.5 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

8000

6000

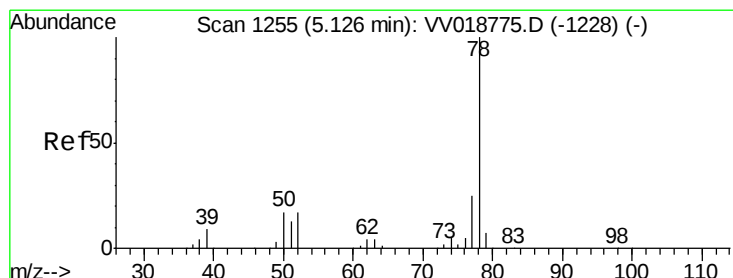
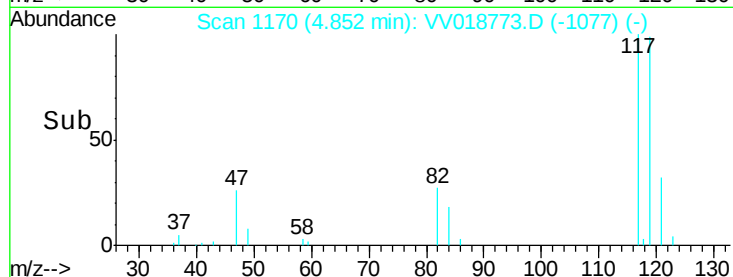
4000

2000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 5.965 ug/L

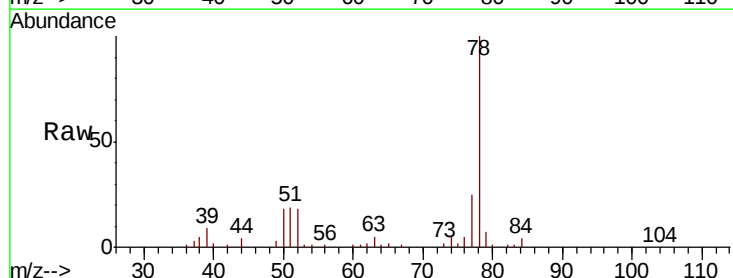
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Tgt Ion: 78 Resp: 51023



Abundance Ion 78.00 (77.70 to 78.70): VV0

25000

20000

15000

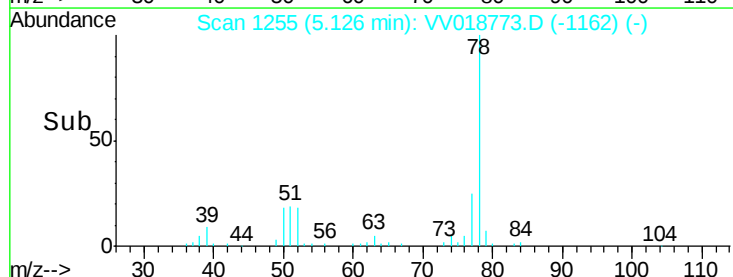
10000

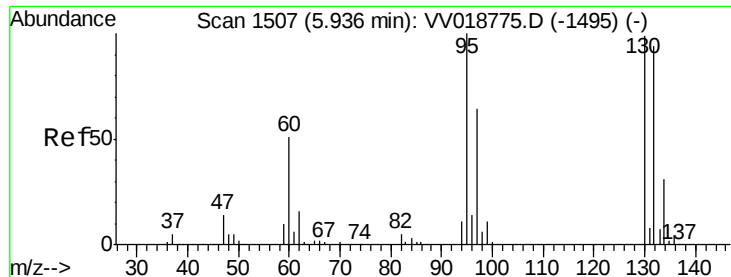
5000

0

5.00 5.10 5.20

Time-->





#34

Trichloroethene

Concen: 6.298 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tot Ion: 95 Resp: 15837

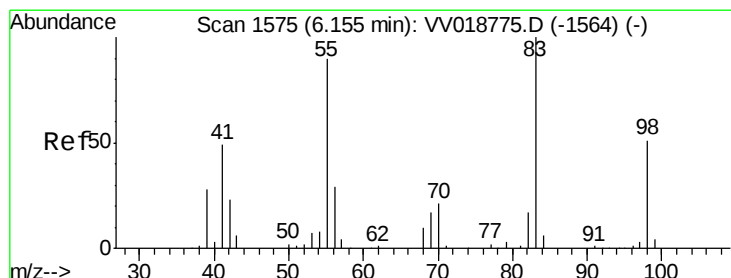
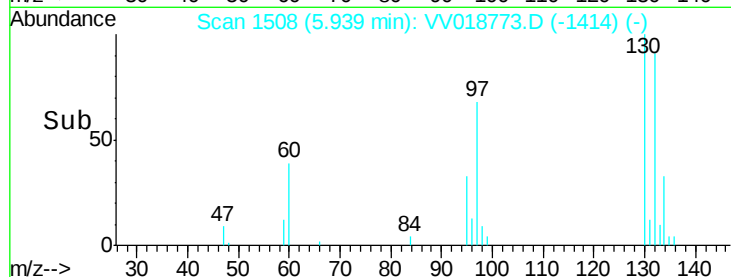
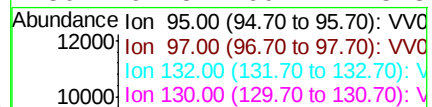
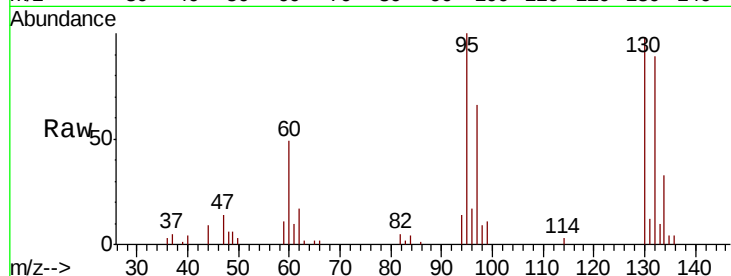
Ion Ratio Lower Upper

95 100

97 66.1 45.1 83.9

132 89.3 66.2 123.0

130 97.8 69.1 128.3



#35

Methylcyclohexane

Concen: 5.216 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

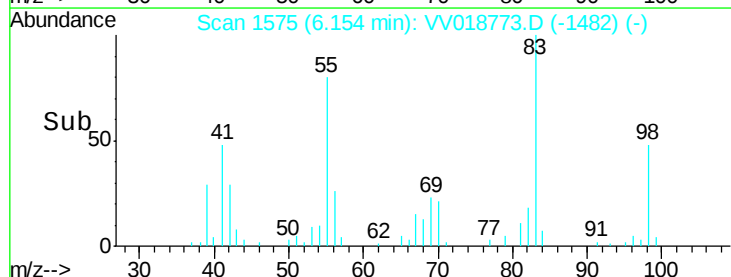
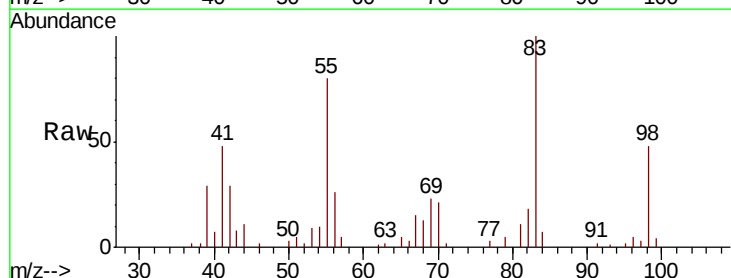
Tgt Ion: 83 Resp: 17410

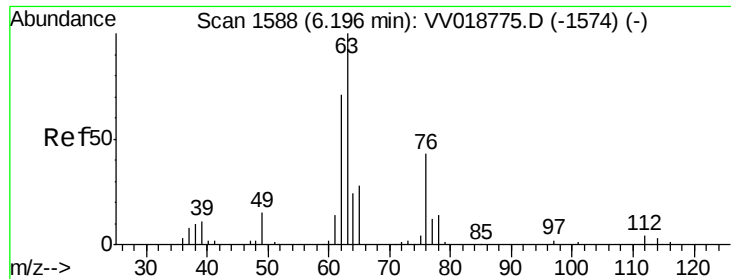
Ion Ratio Lower Upper

83 100

55 79.0 67.0 100.4

98 44.7 38.8 58.2

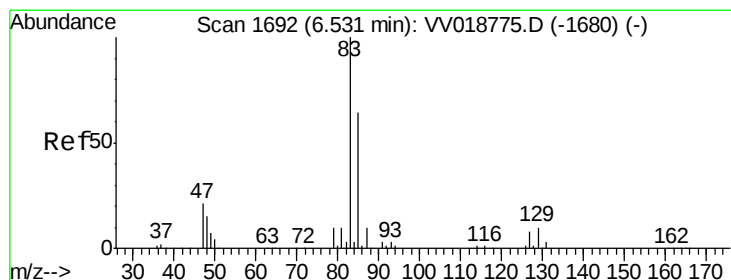
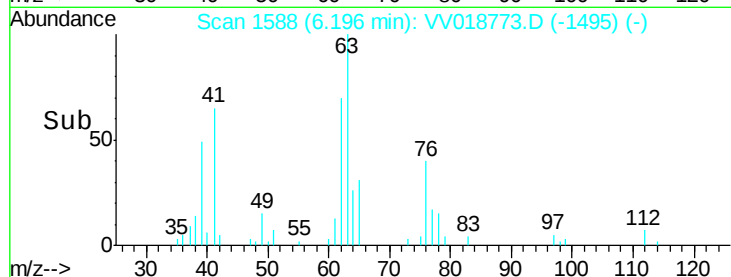
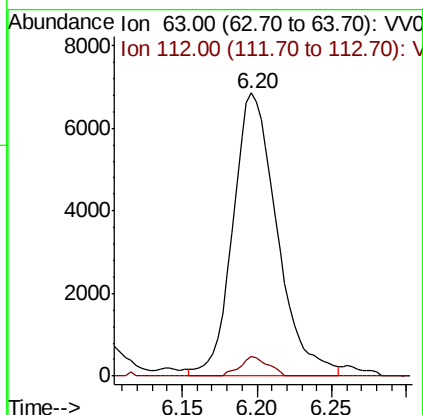
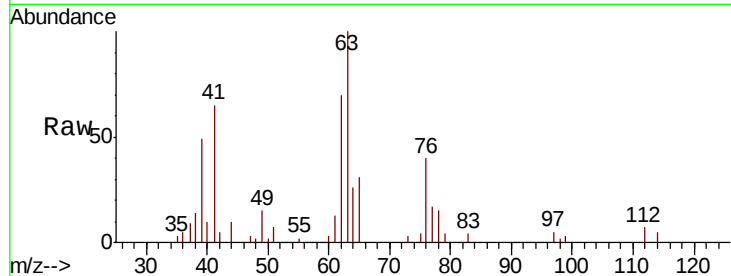




#37
 1,2-Dichloropropane
 Concen: 6.245 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

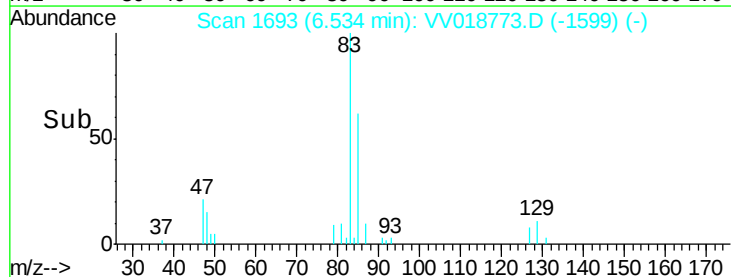
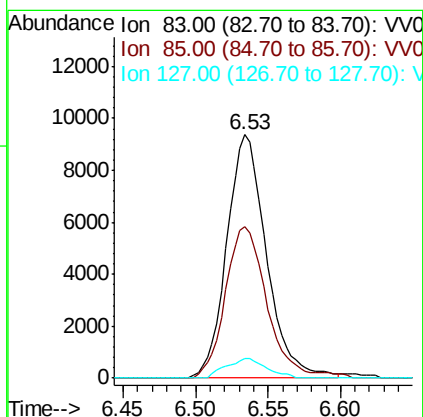
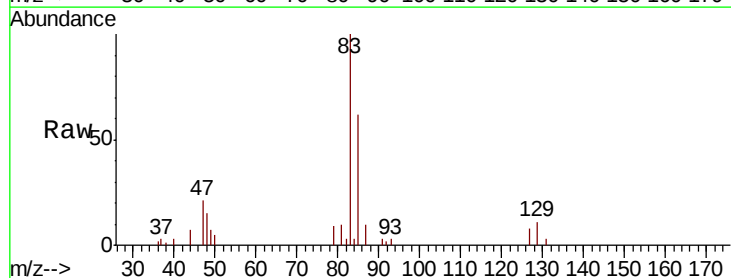
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

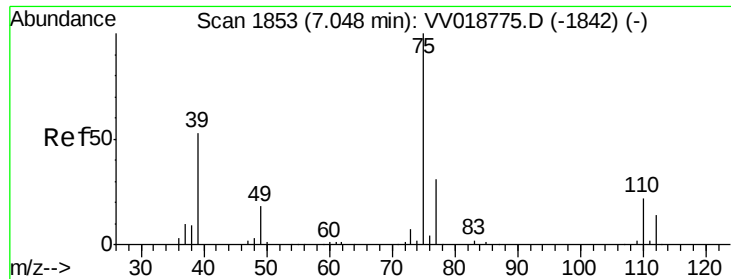
Tot Ion: 63 Resp: 14080
 Ion Ratio Lower Upper
 63 100
 112 4.3 3.4 5.2



#38
 Bromodichloromethane
 Concen: 6.023 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

Tgt Ion: 83 Resp: 17767
 Ion Ratio Lower Upper
 83 100
 85 62.4 45.1 83.7
 127 8.2 6.6 10.0

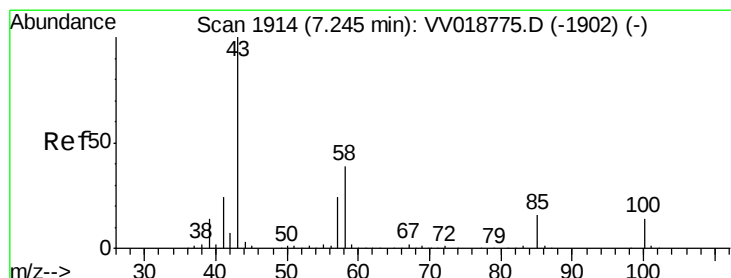
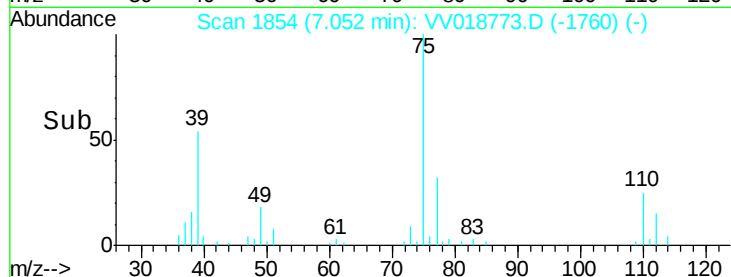
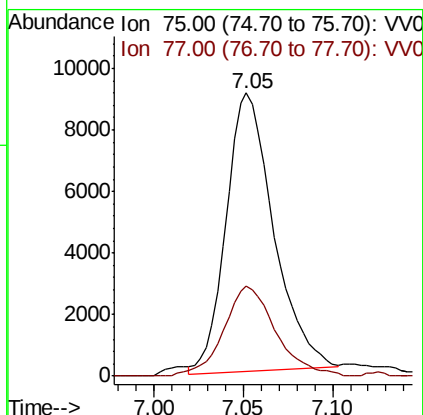
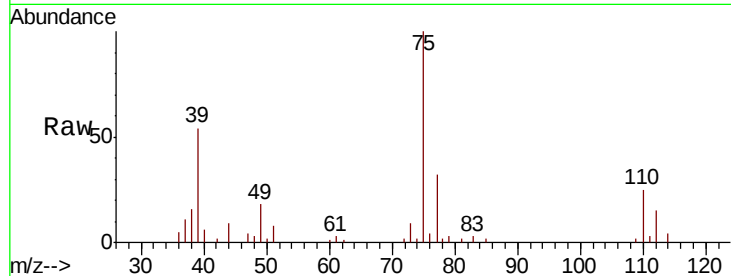




#39
 cis-1,3-Dichloropropene
 Concen: 4.906 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

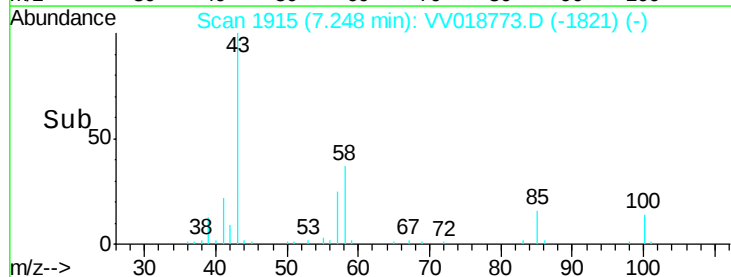
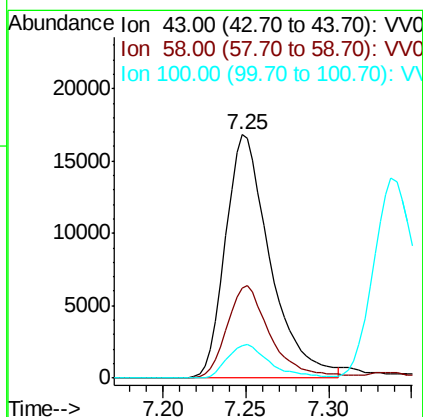
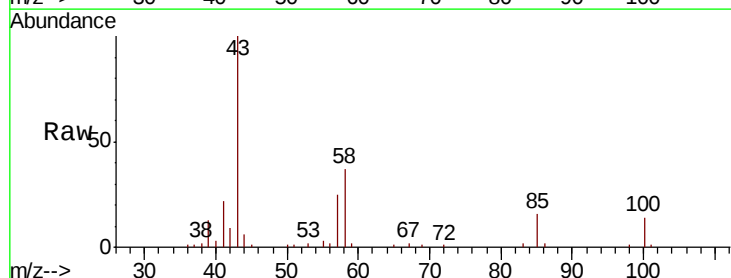
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

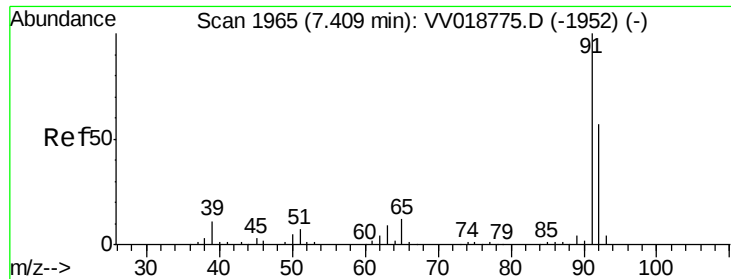
Tot Ion: 75 Resp: 16782
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 11.013 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

Tgt Ion: 43 Resp: 31468
 Ion Ratio Lower Upper
 43 100
 58 36.8 30.2 45.4
 100 13.3 11.4 17.2





#42

Toluene

Concen: 5.521 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

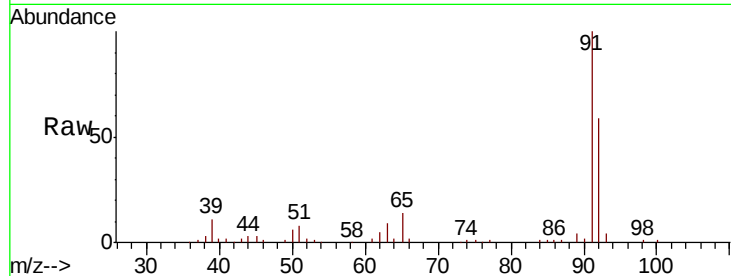
VSTD00566

Tot Ion: 91 Resp: 50781

Ion Ratio Lower Upper

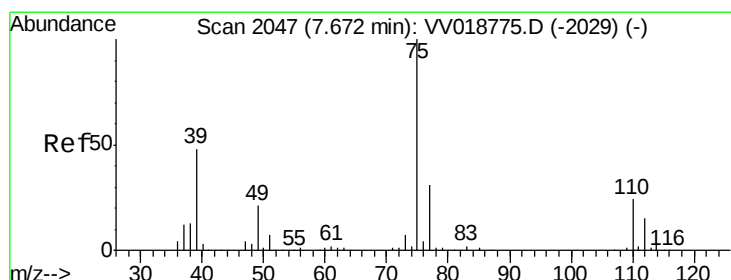
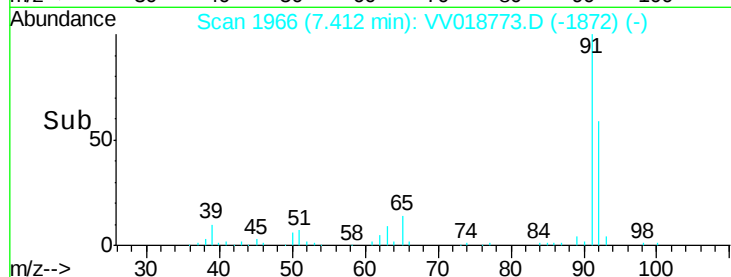
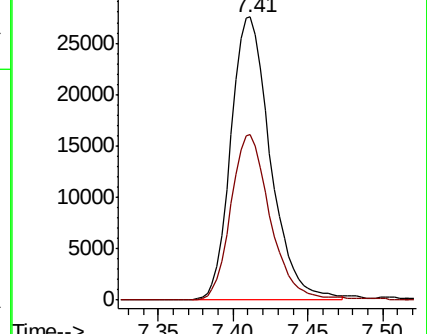
91 100

92 58.6 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.354 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV018773.D

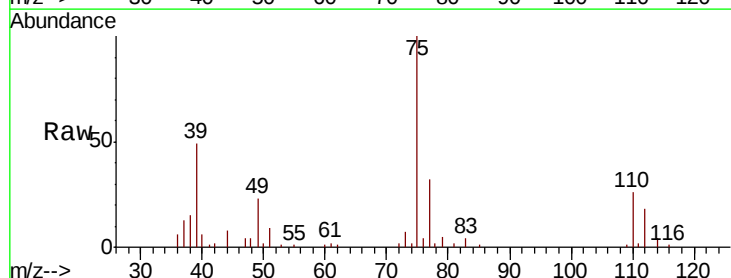
Acq: 08 Oct 2020 19:53

Tgt Ion: 75 Resp: 18113

Ion Ratio Lower Upper

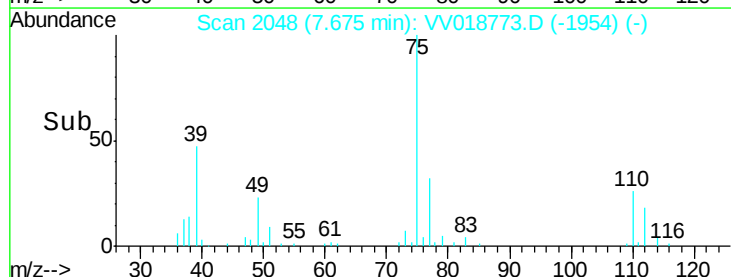
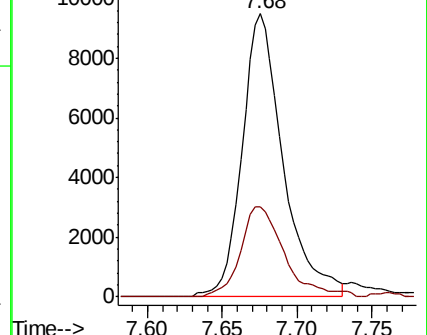
75 100

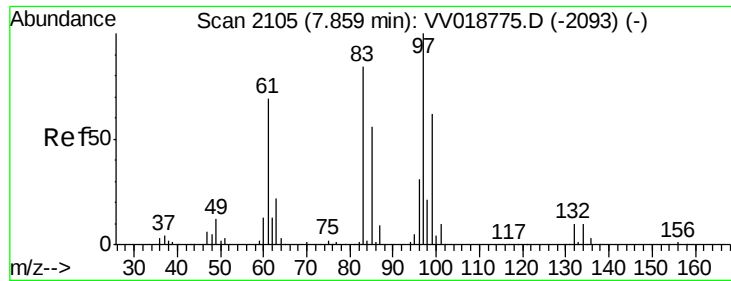
77 32.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

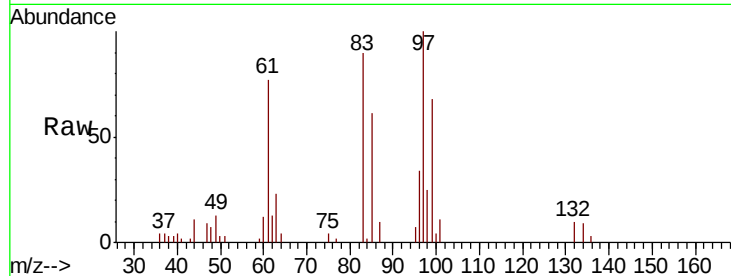




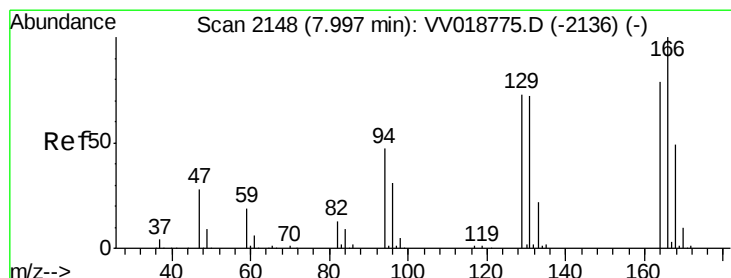
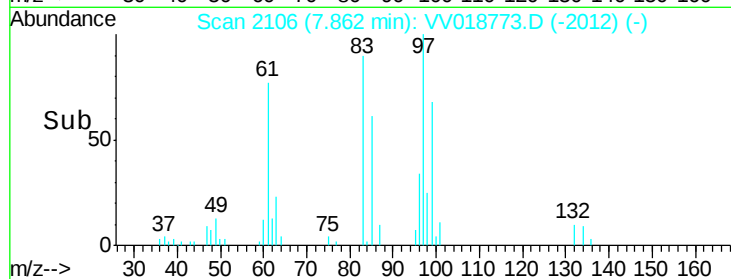
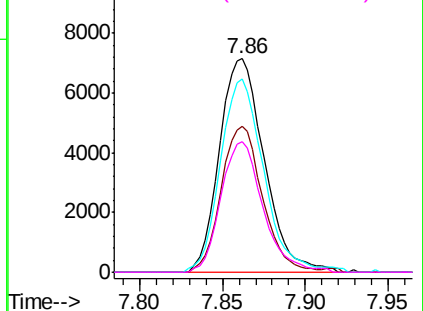
#45
1,1,2-Trichloroethane
Concen: 6.238 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. 0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

Tot Ion:	97	Resp:	13465
Ion	Ratio	Lower	Upper
97	100		
99	68.3	43.4	80.6
83	90.3	58.7	108.9
85	61.3	39.4	73.2

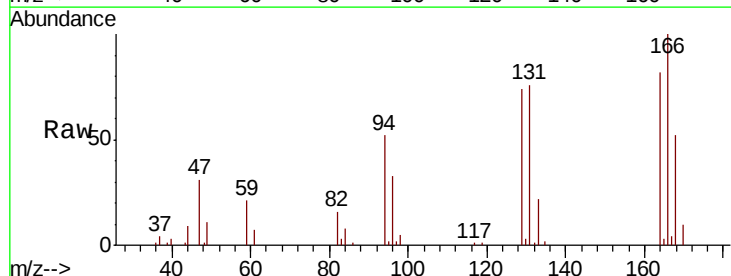


Abundance Ion 97.00 (96.70 to 97.70): VV018773.D (-2012) (-)

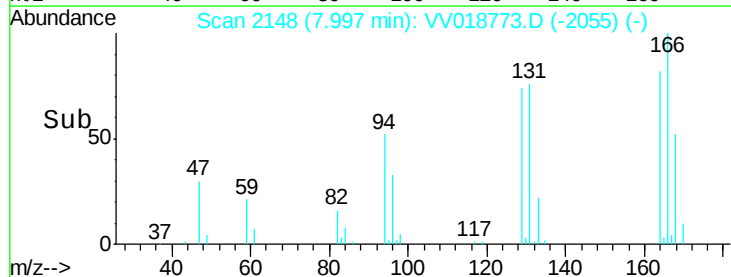
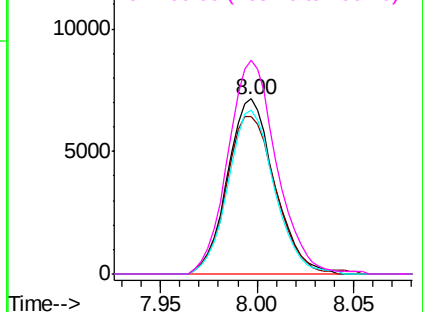


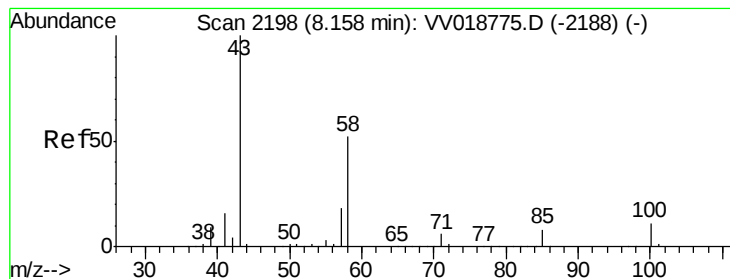
#46
Tetrachloroethene
Concen: 6.132 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

Tgt Ion:	164	Resp:	12069
Ion	Ratio	Lower	Upper
164	100		
129	90.3	64.6	120.0
131	93.4	63.6	118.0
166	122.2	88.3	164.1



Abundance Ion 164.00 (163.70 to 164.70): VV018773.D (-2055) (-)





#48

2-Hexanone

Concen: 11.801 ug/L

RT: 8.16 min Scan# 2200

Delta R.T. 0.01 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

Tot Ion: 43 Resp: 26339

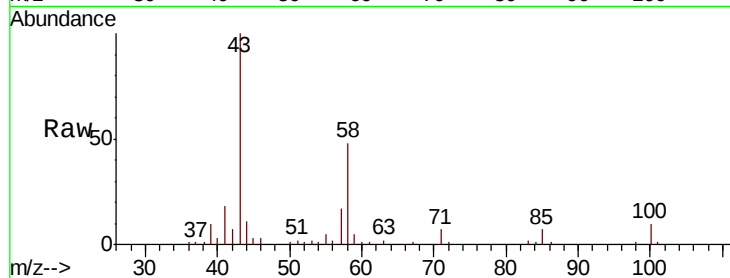
Ion Ratio Lower Upper

43 100

58 45.8 41.8 62.8

57 16.4 14.9 22.3

100 10.7 9.2 13.8

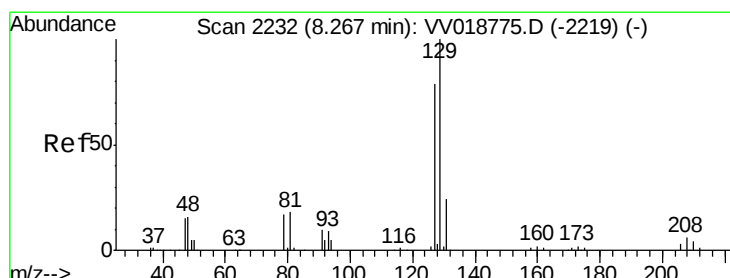
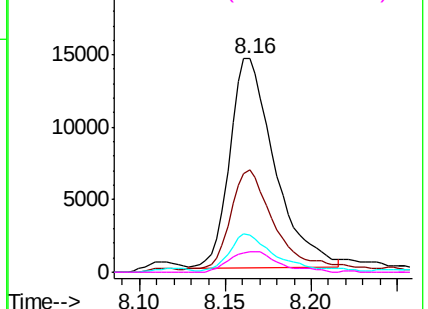
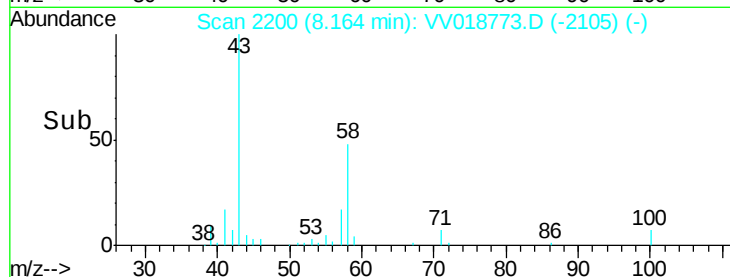


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 5.439 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018773.D

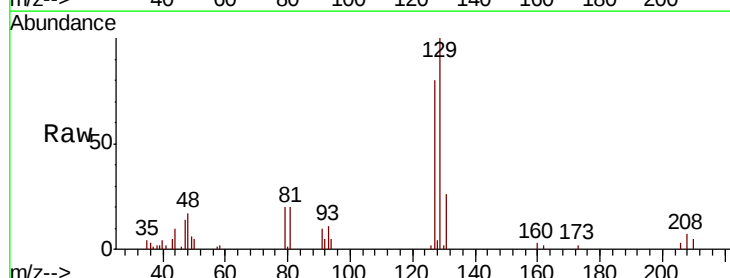
Acq: 08 Oct 2020 19:53

Tgt Ion: 129 Resp: 13294

Ion Ratio Lower Upper

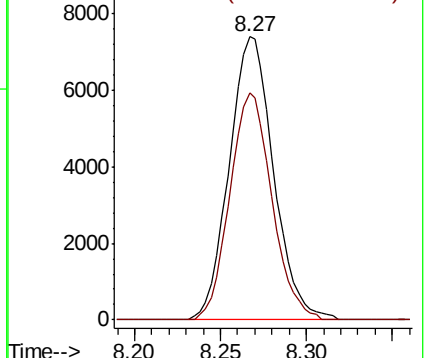
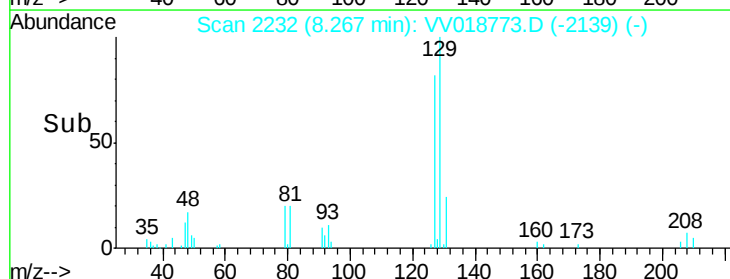
129 100

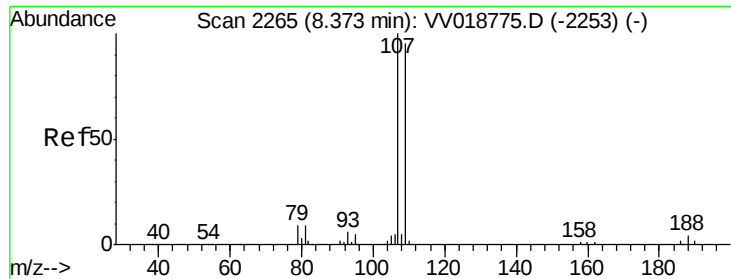
127 80.2 55.3 102.7



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

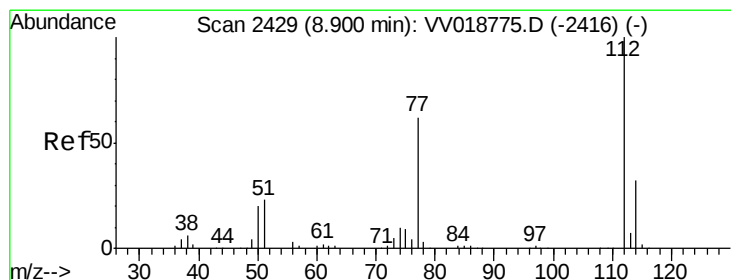
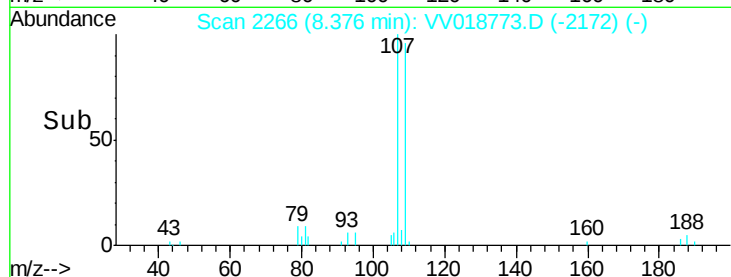
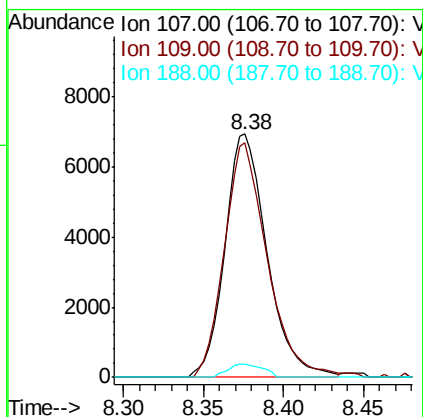
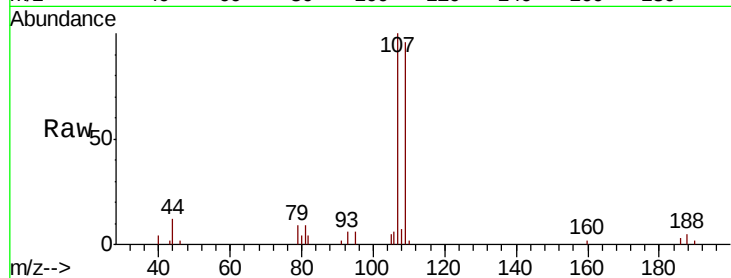




#50
1,2-Dibromoethane
Concen: 5.494 ug/L
RT: 8.38 min Scan# 2266
Delta R.T. 0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

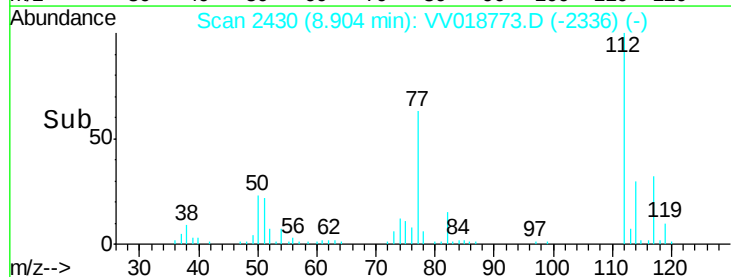
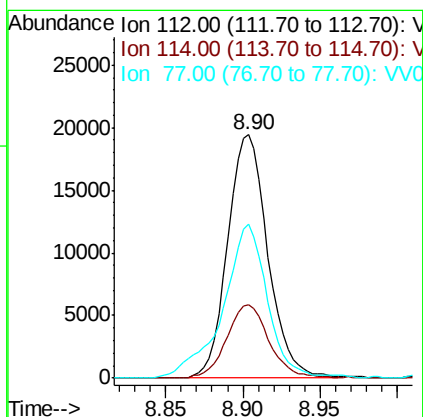
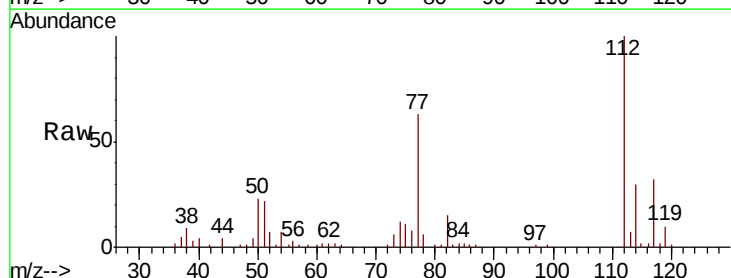
Instrument :
MSVOA_V
ClientSampleId :
VSTD00566

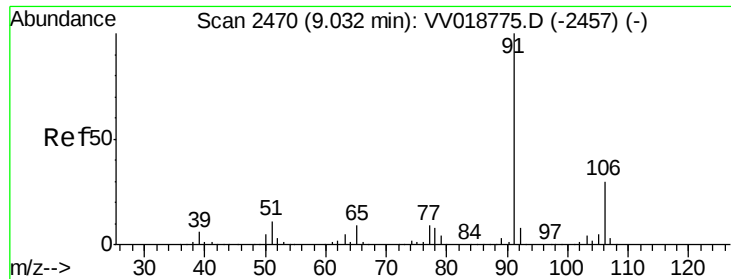
Tot Ion:107 Resp: 12506
Ion Ratio Lower Upper
107 100
109 96.3 66.4 123.2
188 5.3 3.1 4.7#



#51
Chlorobenzene
Concen: 5.669 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018773.D
Acq: 08 Oct 2020 19:53

Tgt Ion:112 Resp: 34991
Ion Ratio Lower Upper
112 100
114 30.3 22.0 41.0
77 63.0 49.8 74.6





#52

Ethylbenzene

Concen: 5.432 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

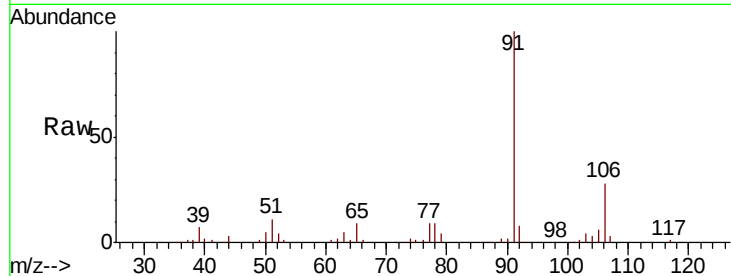
VSTD00566

Tot Ion: 91 Resp: 55874

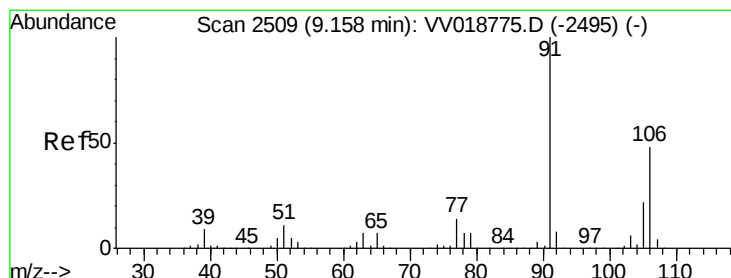
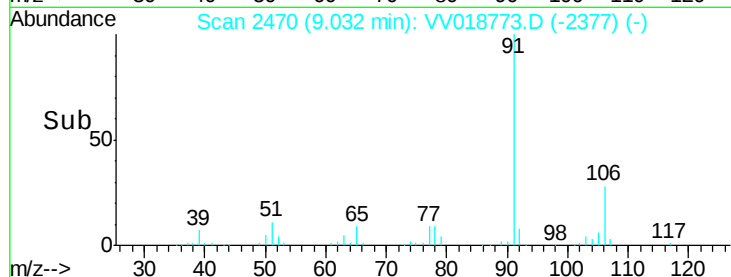
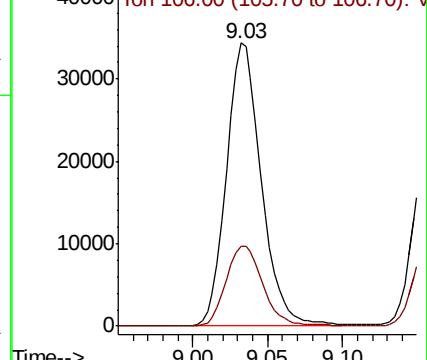
Ion Ratio Lower Upper

91 100

106 28.2 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018773.D (-2377) (-)



#53

m,p-Xylene

Concen: 5.038 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018773.D

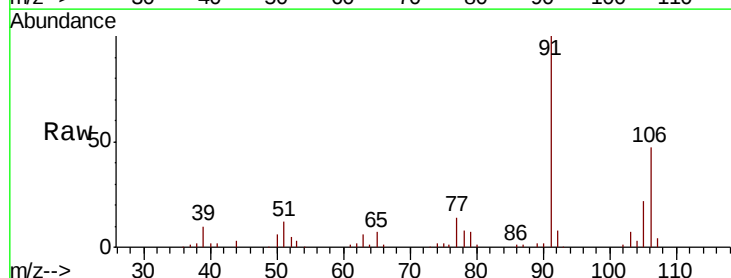
Acq: 08 Oct 2020 19:53

Tgt Ion: 106 Resp: 19891

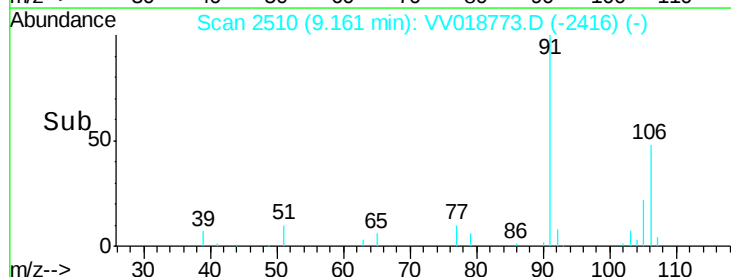
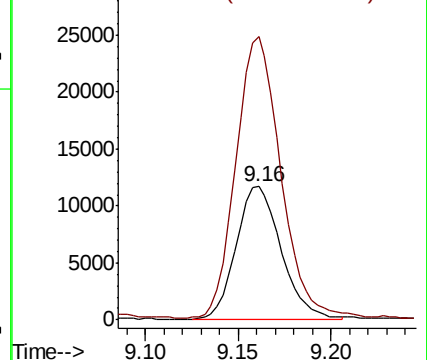
Ion Ratio Lower Upper

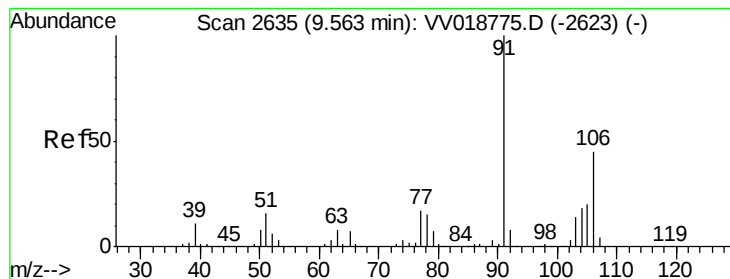
106 100

91 212.0 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): VV018773.D (-2416) (-)





#54

o-xylene

Concen: 5.029 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

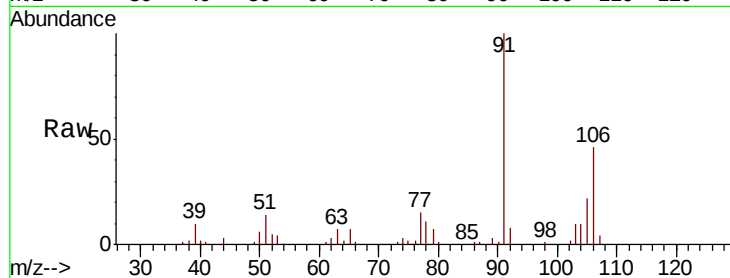
VSTD00566

Tot Ion:106 Resp: 18752

Ion Ratio Lower Upper

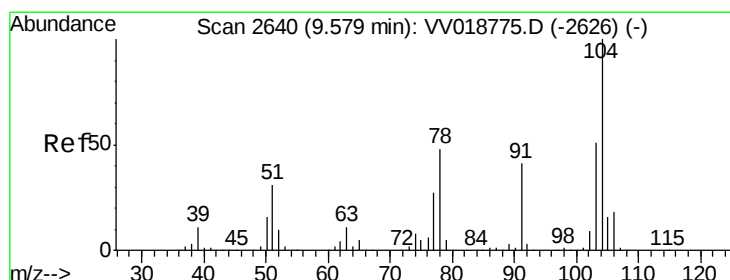
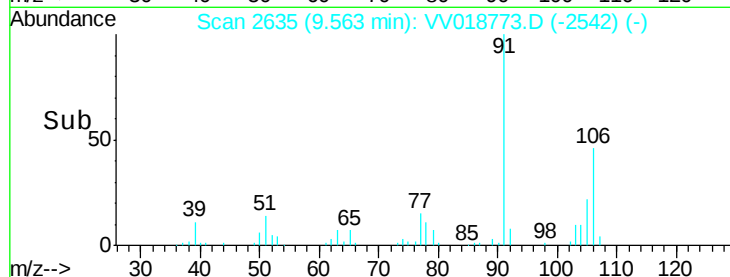
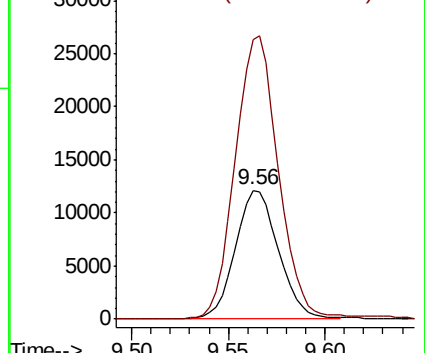
106 100

91 217.6 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 4.759 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018773.D

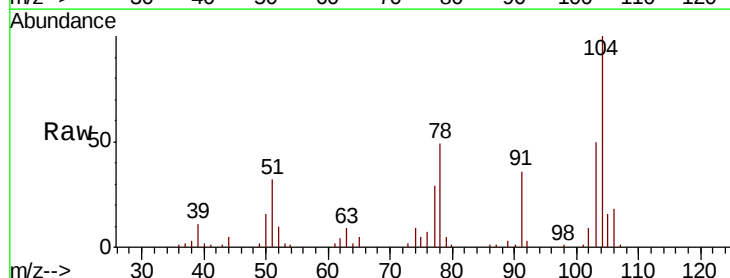
Acq: 08 Oct 2020 19:53

Tgt Ion:104 Resp: 31052

Ion Ratio Lower Upper

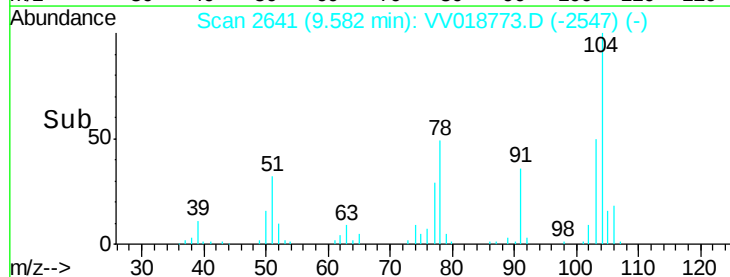
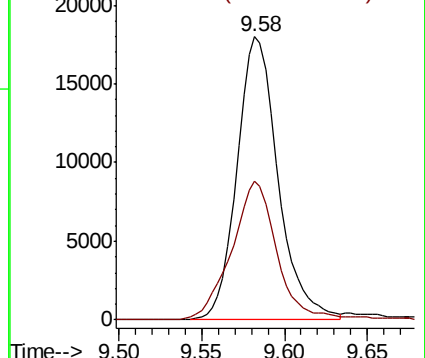
104 100

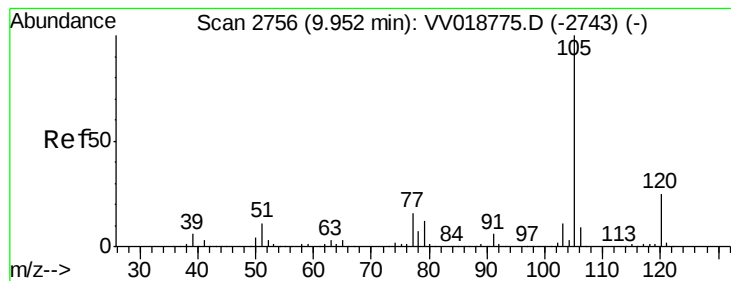
78 49.2 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 4.902 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

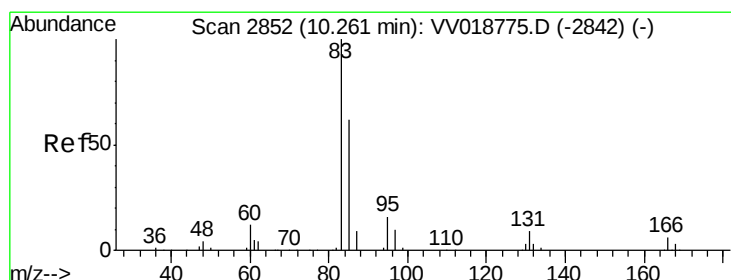
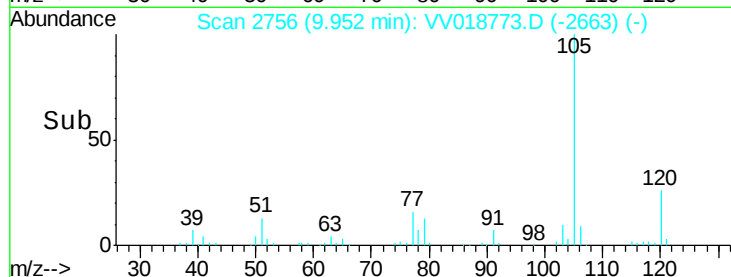
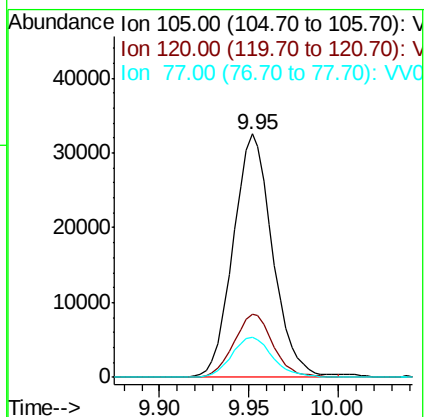
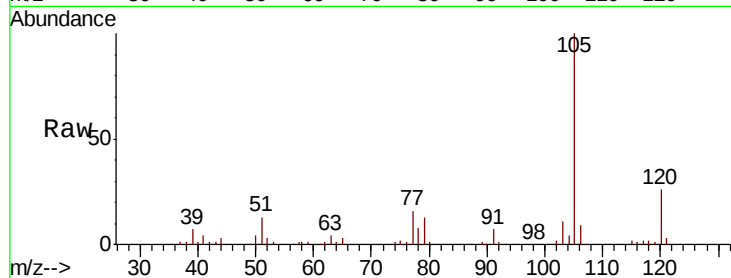
Tot Ion:105 Resp: 50049

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

77 17.1 13.0 19.6



#58

1,1,2,2-Tetrachloroethane

Concen: 4.736 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

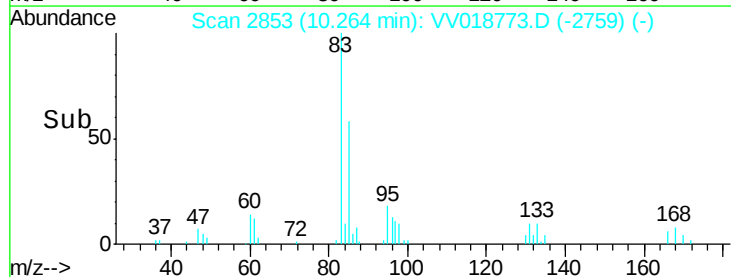
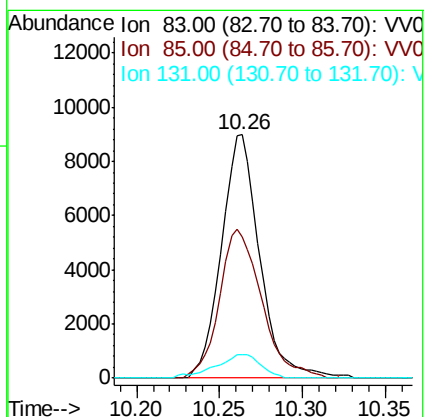
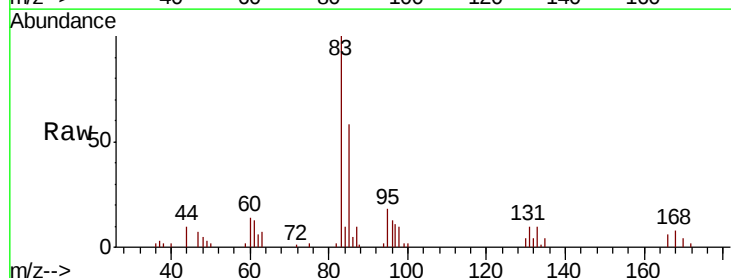
Tgt Ion: 83 Resp: 14423

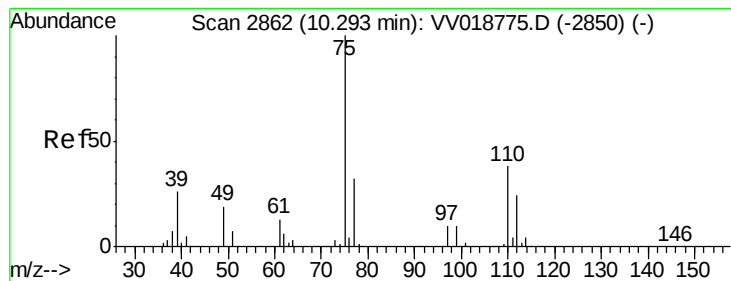
Ion Ratio Lower Upper

83 100

85 57.8 44.5 82.7

131 9.8 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 5.850 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

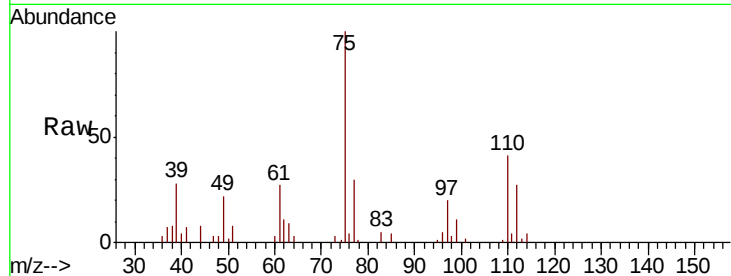
VSTD00566

Tot Ion: 75 Resp: 15731

Ion Ratio Lower Upper

75 100

77 31.2 25.9 38.9

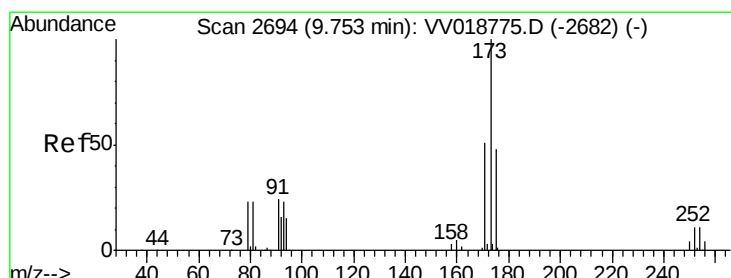
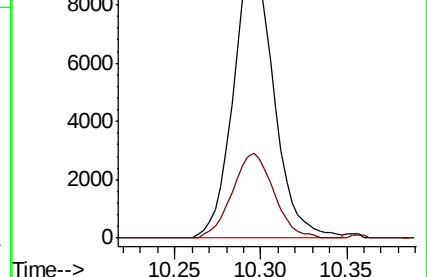
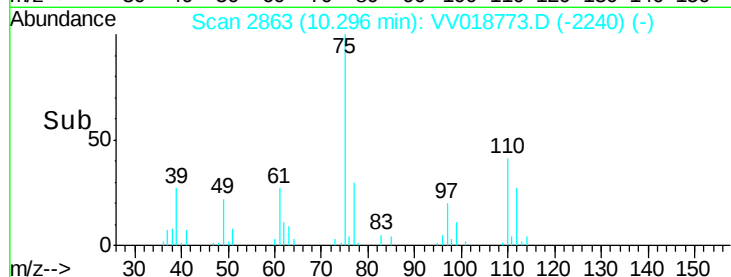


Abundance Ion 75.00 (74.70 to 75.70): VV018775.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018775.D (-2850) (-)

10.30

Time-->



#61

Bromoform

Concen: 4.808 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

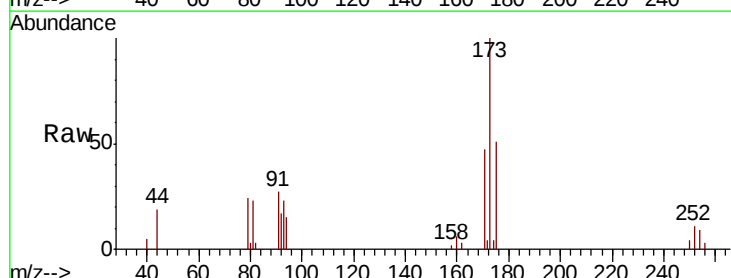
Tgt Ion: 173 Resp: 8177

Ion Ratio Lower Upper

173 100

175 49.1 38.7 58.1

254 8.8 8.2 12.4



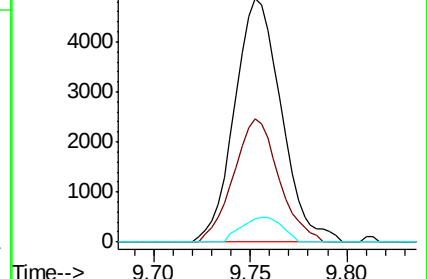
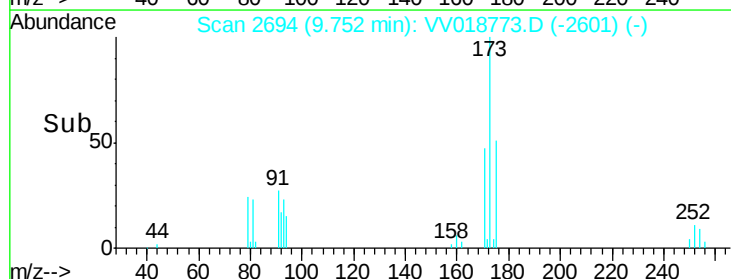
Abundance Ion 173.00 (172.70 to 173.70): VV018775.D (-2682) (-)

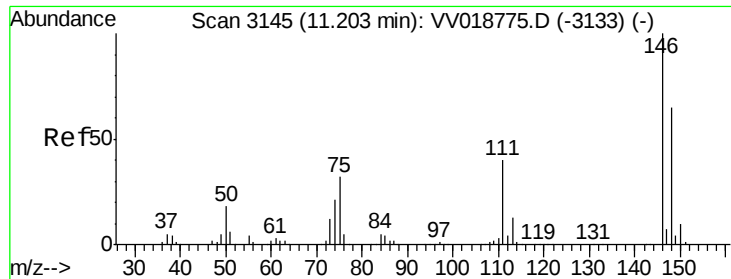
Ion 175.00 (174.70 to 175.70): VV018775.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018775.D (-2682) (-)

9.75

Time-->

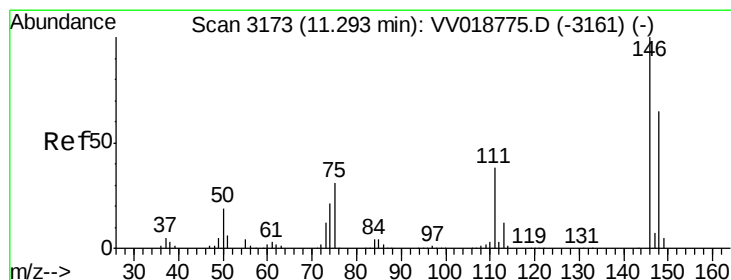
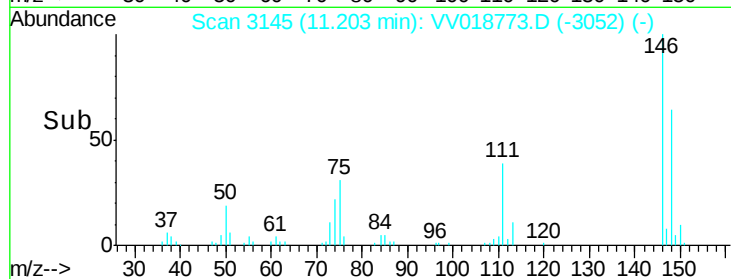
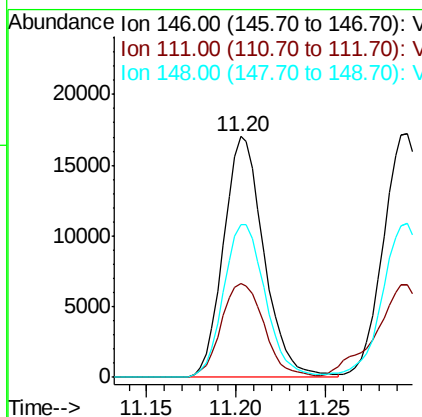
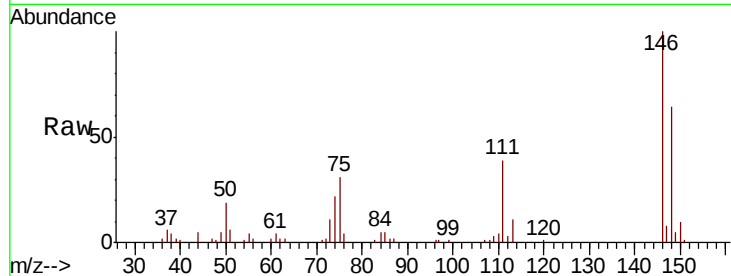




#62
 1,3-Dichlorobenzene
 Concen: 5.596 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

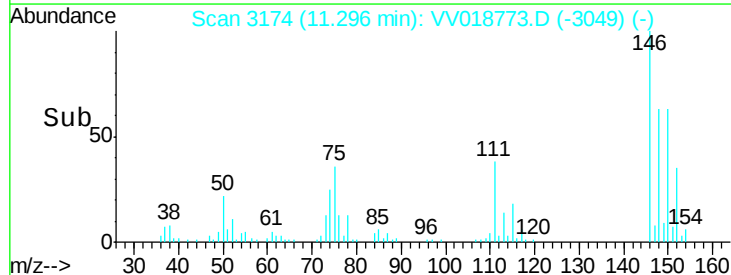
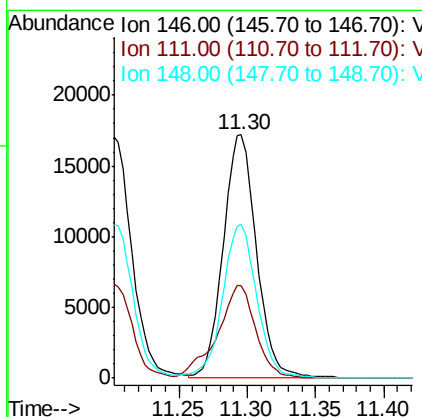
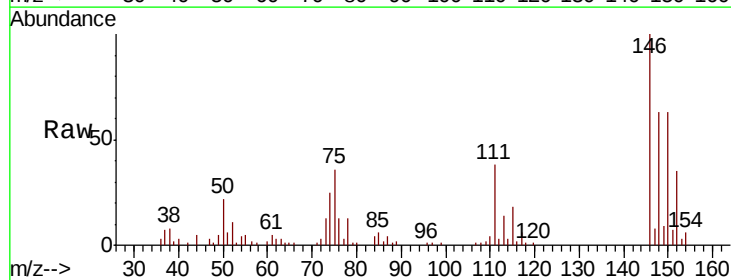
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

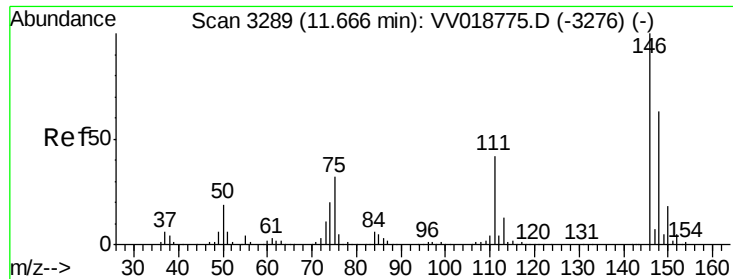
Tot Ion:146 Resp: 26824
 Ion Ratio Lower Upper
 146 100
 111 38.8 27.8 51.6
 148 63.6 45.4 84.4



#63
 1,4-Dichlorobenzene
 Concen: 5.912 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

Tgt Ion:146 Resp: 29205
 Ion Ratio Lower Upper
 146 100
 111 38.0 27.1 50.3
 148 63.0 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 5.697 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD00566

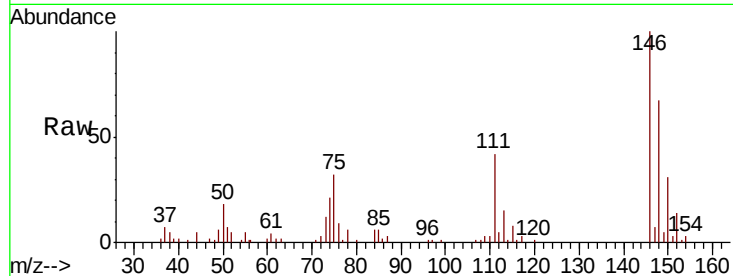
Tot Ion:146 Resp: 27135

Ion Ratio Lower Upper

146 100

111 42.4 33.8 50.6

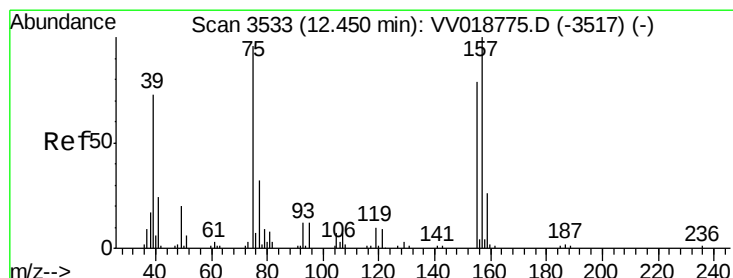
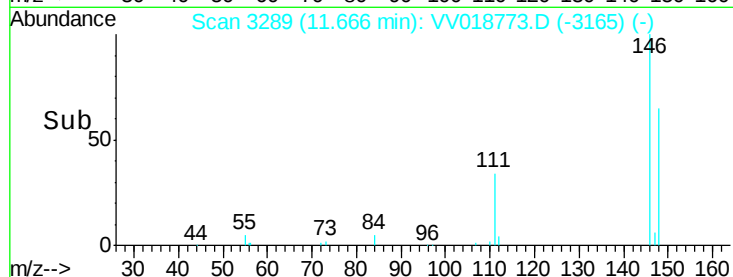
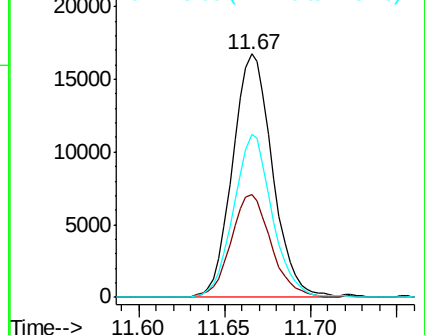
148 67.1 50.3 75.5



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



#66

1,2-Dibromo-3-chloropropane

Concen: 4.797 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

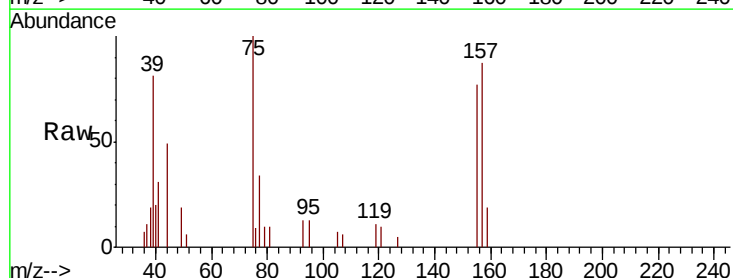
Tgt Ion: 75 Resp: 3074

Ion Ratio Lower Upper

75 100

155 76.6 65.8 98.8

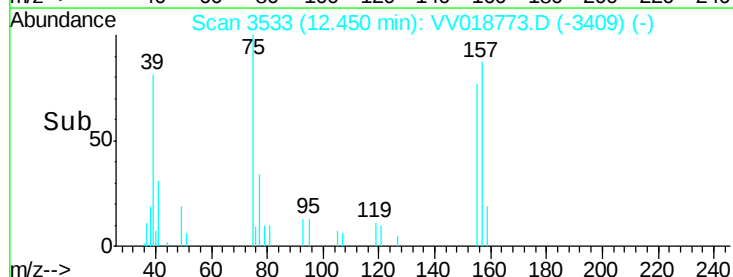
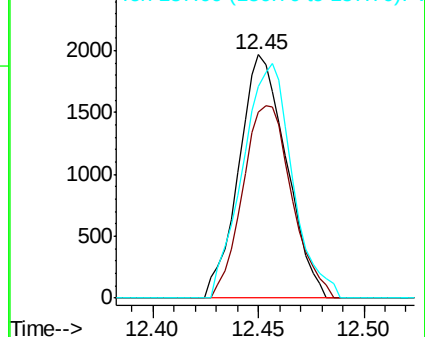
157 87.0 83.0 124.6

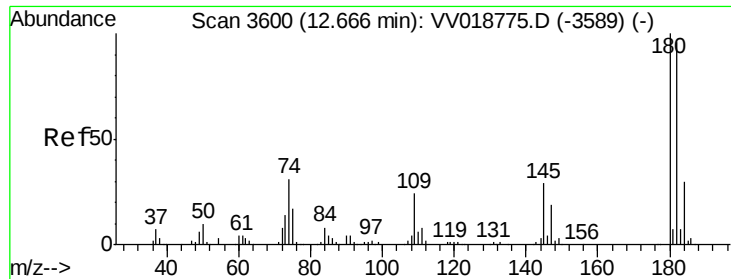


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

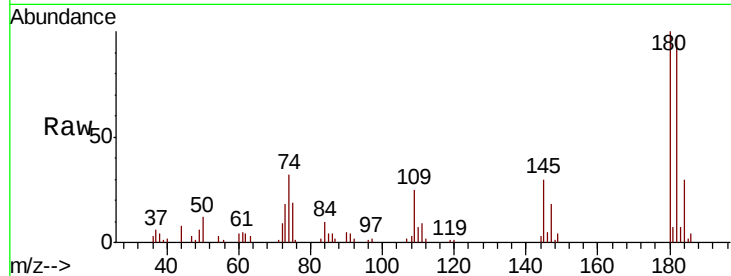




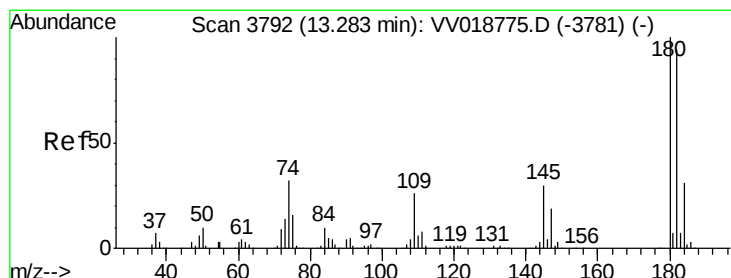
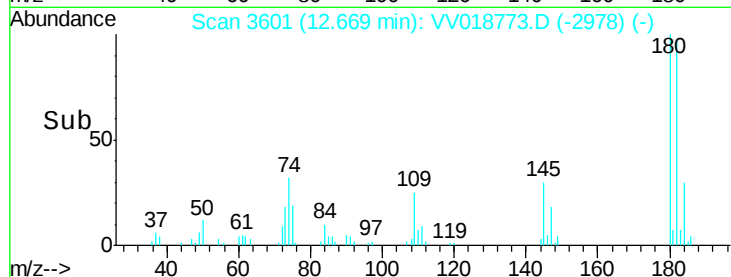
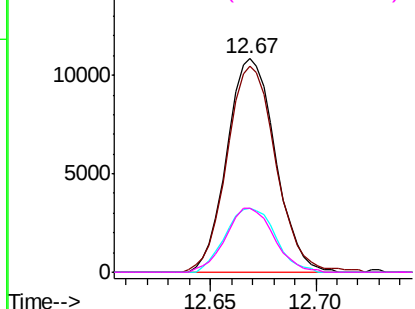
#67
 1,3,5-Trichlorobenzene
 Concen: 5.256 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00566

Tot Ion:180 Resp: 17260
 Ion Ratio Lower Upper
 180 100
 182 97.7 77.0 115.6
 184 30.9 24.6 37.0
 145 29.9 23.4 35.0

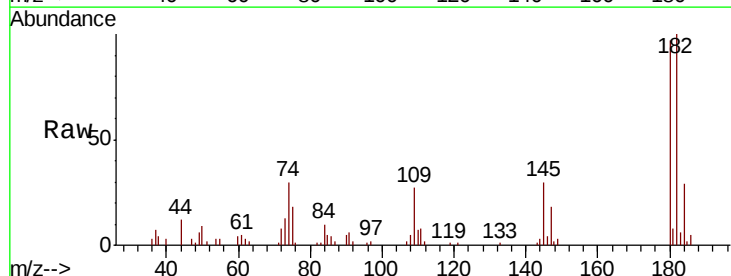


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

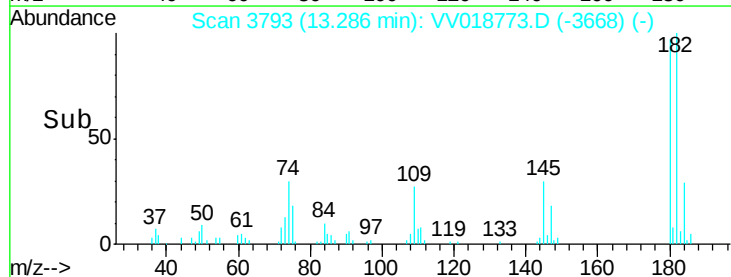
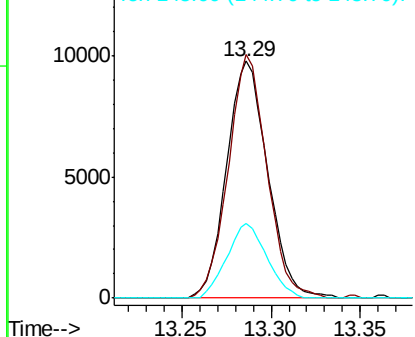


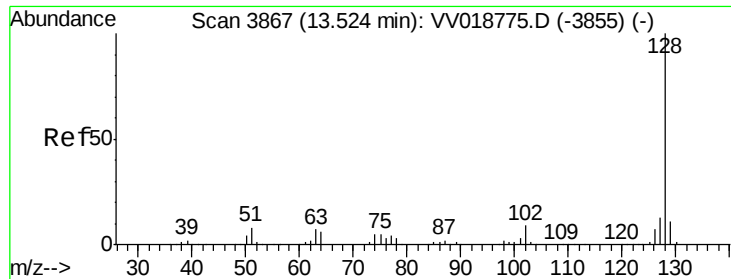
#68
 1,2,4-trichlorobenzene
 Concen: 5.134 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018773.D
 Acq: 08 Oct 2020 19:53

Tgt Ion:180 Resp: 15621
 Ion Ratio Lower Upper
 180 100
 182 96.6 76.7 115.1
 145 30.5 24.0 36.0



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: 3.902 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

Instrument :

MSVOA_V

ClientSampled :

VSTD00566

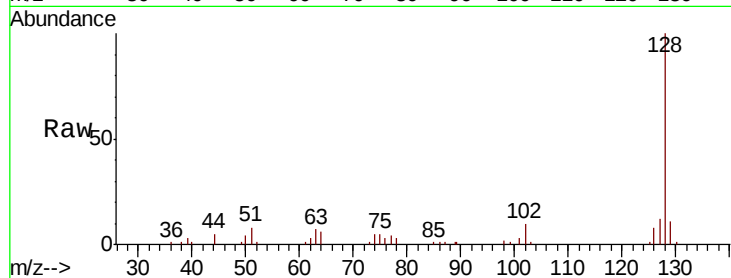
Tot Ion:128 Resp: 33932

Ion Ratio Lower Upper

128 100

127 12.8 10.4 15.6

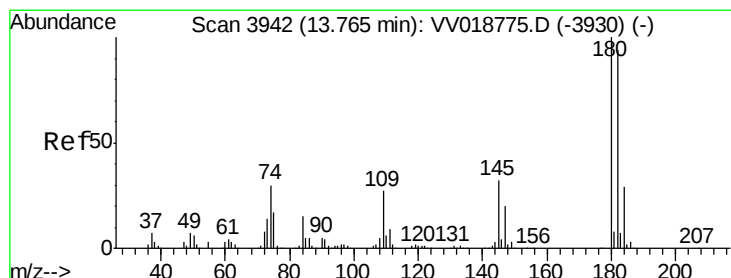
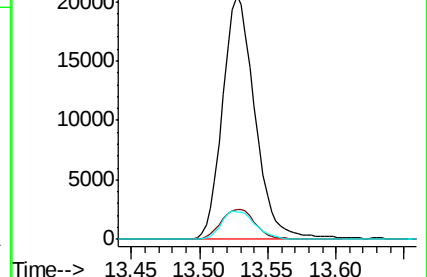
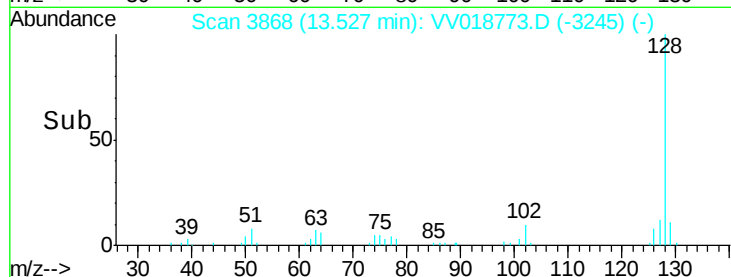
129 11.9 8.6 13.0



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: 4.791 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018773.D

Acq: 08 Oct 2020 19:53

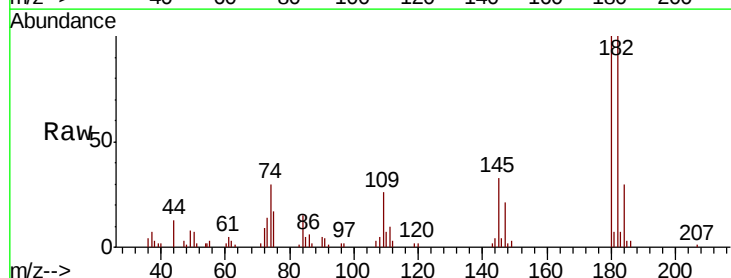
Tgt Ion:180 Resp: 14684

Ion Ratio Lower Upper

180 100

182 95.5 75.9 113.9

145 33.1 25.2 37.8



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

