

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091720\
 Data File : VV018307.D
 Acq On : 18 Sep 2020 02:16
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Sep 18 08:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 08:05:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	300390	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	293956	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161811	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87014	35.54	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	71.08%
7) Chloroethane-d5	1.58	69	74516	37.20	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	74.40%
11) 1,1-Dichloroethene-d2	2.13	63	178130	39.67	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	79.34%
21) 2-Butanone-d5	3.92	46	129266	86.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.27%
24) Chloroform-d	4.38	84	178072	41.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.86%
26) 1,2-Dichloroethane-d4	5.06	65	113736	41.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.54%
32) Benzene-d6	5.08	84	343985	40.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	81.76%
36) 1,2-Dichloropropane-d6	6.09	67	110712	41.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.82%
41) Toluene-d8	7.34	98	321484	41.92	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.84%
43) trans-1,3-Dichloropropene-	7.64	79	54729	40.28	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.56%
47) 2-Hexanone-d5	8.11	63	94291	93.10	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	93.10%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	153599	45.77	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	91.54%
64) 1,2-Dichlorobenzene-d4	11.65	152	137468	41.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	99332	45.349	ug/L 99
3) Chloromethane	1.25	50	112989	47.240	ug/L 98
5) Vinyl chloride	1.32	62	115434	47.064	ug/L 100
6) Bromomethane	1.53	94	71517	47.706	ug/L 99
8) Chloroethane	1.60	64	72690	47.311	ug/L 98
9) Trichlorofluoromethane	1.77	101	160916	47.684	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	94855	46.795	ug/L 100
12) 1,1-Dichloroethene	2.13	96	93359	47.334	ug/L 100
13) Acetone	2.20	43	92399	77.009	ug/L 98
14) Carbon disulfide	2.31	76	270584	44.834	ug/L 99
15) Methyl Acetate	2.45	43	103777	48.128	ug/L 100
16) Methylene chloride	2.52	84	104738	47.350	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	95592	47.028	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	297328	47.287	ug/L 99
19) 1,1-Dichloroethane	3.21	63	183874	47.844	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	101942	46.916	ug/L 100
22) 2-Butanone	4.00	43	135332	95.250	ug/L 98

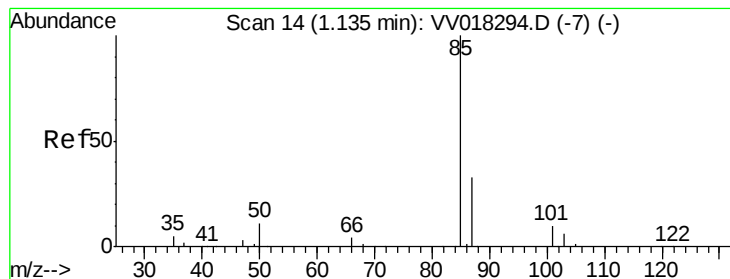
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091720\
 Data File : VV018307.D
 Acq On : 18 Sep 2020 02:16
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Quant Time: Sep 18 08:08:04 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 08:05:39 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	55451	48.775	uq/L	98
25) Chloroform	4.40	83	187490	47.993	uq/L	100
27) 1,2-Dichloroethane	5.16	62	145599	48.143	uq/L	100
29) Cyclohexane	4.71	56	163693	48.224	uq/L	100
30) 1,1,1-Trichloroethane	4.64	97	164204	48.133	uq/L	99
31) Carbon tetrachloride	4.86	117	141988	47.334	uq/L	98
33) Benzene	5.13	78	408625	48.620	uq/L	100
34) Trichloroethene	5.94	95	104801	45.775	uq/L	98
35) Methylcyclohexane	6.15	83	162321	47.088	uq/L	100
37) 1,2-Dichloropropane	6.20	63	107403	48.225	uq/L	99
38) Bromodichloromethane	6.53	83	137122	47.312	uq/L	100
39) cis-1,3-Dichloropropene	7.05	75	157916	46.020	uq/L	99
40) 4-Methyl-2-pentanone	7.25	43	274335	101.536	uq/L	99
42) Toluene	7.41	91	436978	49.130	uq/L	100
44) trans-1,3-Dichloropropene	7.67	75	155170	46.443	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	101190	49.020	uq/L	100
46) Tetrachloroethene	8.00	164	84394	47.013	uq/L	99
48) 2-Hexanone	8.16	43	211245	99.172	uq/L	100
49) Dibromochloromethane	8.27	129	111554	48.144	uq/L	100
50) 1,2-Dibromoethane	8.37	107	105923	48.756	uq/L	99
51) Chlorobenzene	8.90	112	281769	48.781	uq/L	100
52) Ethylbenzene	9.03	91	483626	49.805	uq/L	99
53) m,p-Xylene	9.16	106	181187	49.990	uq/L	97
54) o-xylene	9.56	106	175020	50.124	uq/L	99
55) Styrene	9.58	104	312324	51.462	uq/L	97
56) Isopropylbenzene	9.95	105	472479	50.207	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	158713	51.977	uq/L	100
59) 1,2,3-Trichloropropane	10.29	75	129724	49.523	uq/L	100
61) Bromoform	9.75	173	83233	47.882	uq/L	99
62) 1,3-Dichlorobenzene	11.20	146	231893	48.195	uq/L	99
63) 1,4-Dichlorobenzene	11.29	146	236162	47.752	uq/L	99
65) 1,2-Dichlorobenzene	11.67	146	230583	47.412	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	34634	50.465	uq/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	174000	45.871	uq/L	99
68) 1,2,4-trichlorobenzene	13.28	180	161501	47.812	uq/L	99
69) Naphthalene	13.52	128	474852	55.557	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	166241	49.968	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 45.349 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

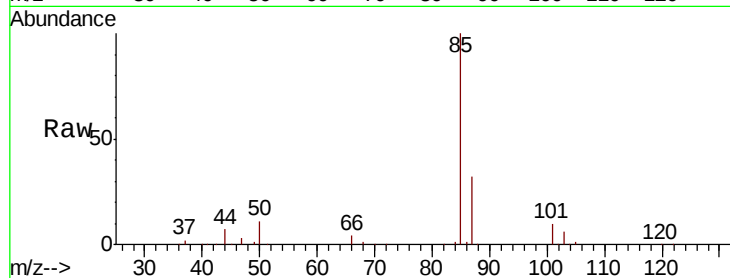
VSTD05077

Tot Ion: 85 Resp: 99332

Ion Ratio Lower Upper

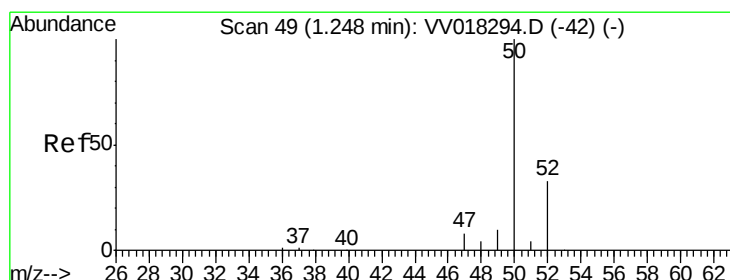
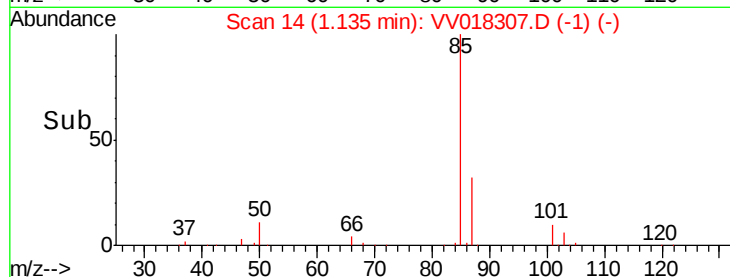
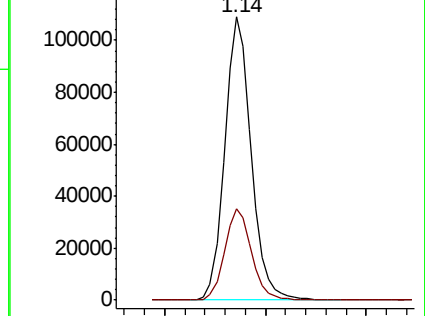
85 100

87 32.8 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 47.240 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018307.D

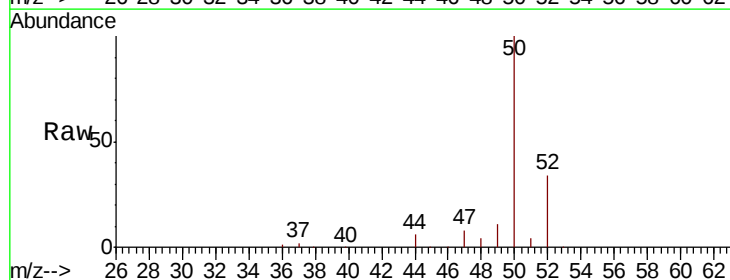
Acq: 18 Sep 2020 02:16

Tgt Ion: 50 Resp: 112989

Ion Ratio Lower Upper

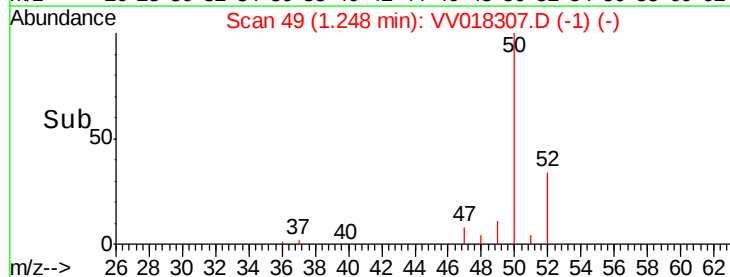
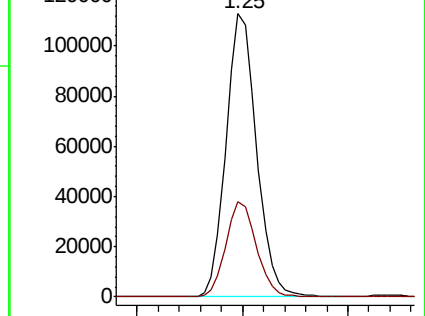
50 100

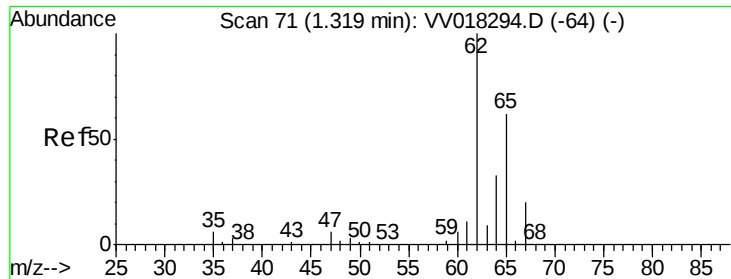
52 33.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 47.064 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

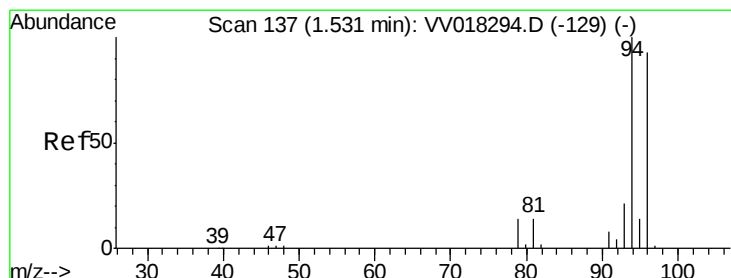
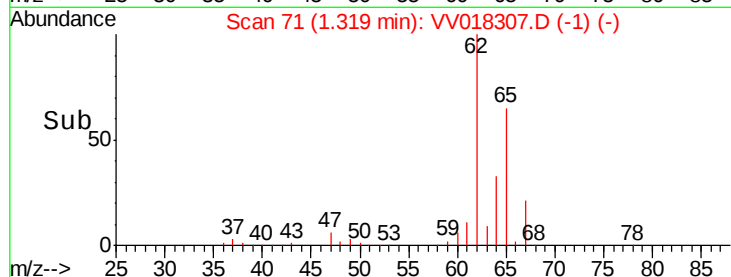
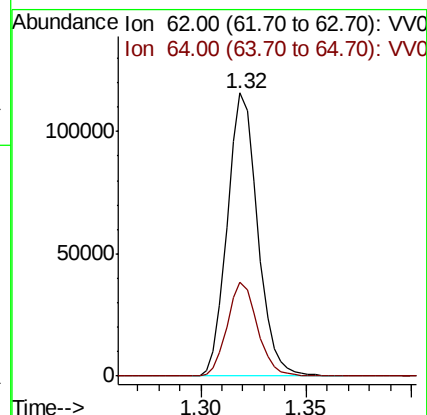
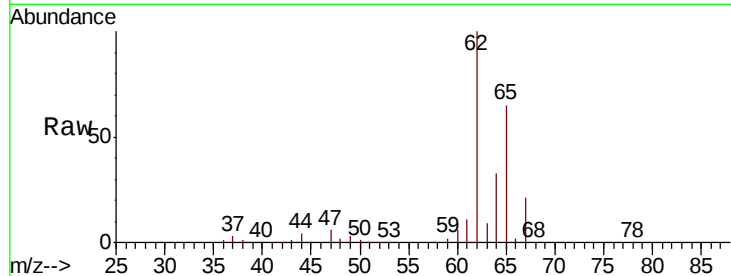
VSTD05077

Tot Ion: 62 Resp: 115434

Ion Ratio Lower Upper

62 100

64 33.2 23.1 42.9



#6

Bromomethane

Concen: 47.706 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018307.D

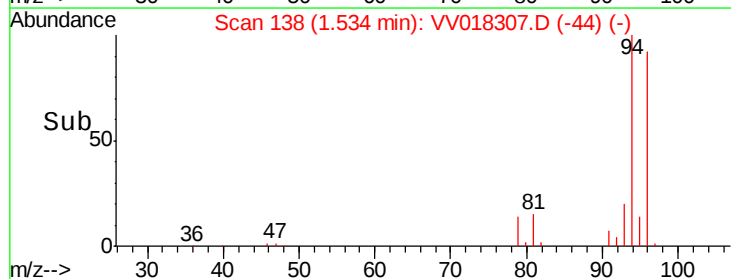
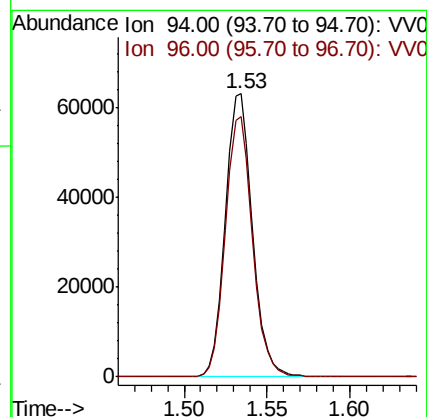
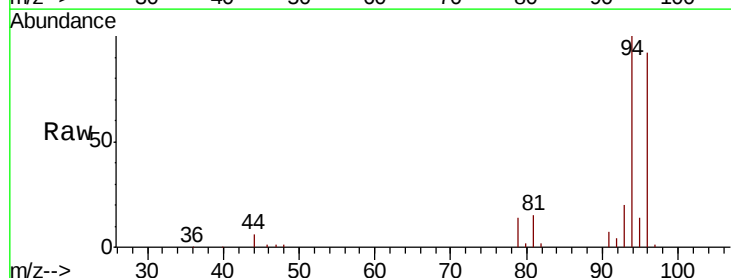
Acq: 18 Sep 2020 02:16

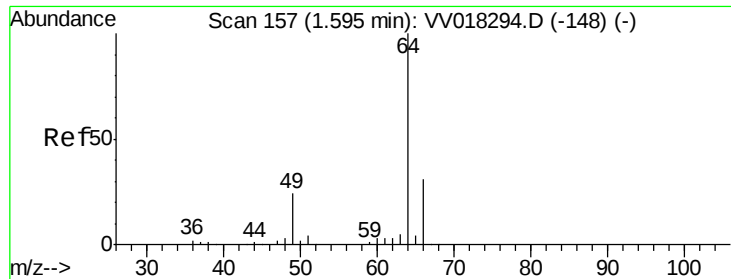
Tgt Ion: 94 Resp: 71517

Ion Ratio Lower Upper

94 100

96 92.0 65.1 120.9





#8

Chloroethane

Concen: 47.311 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

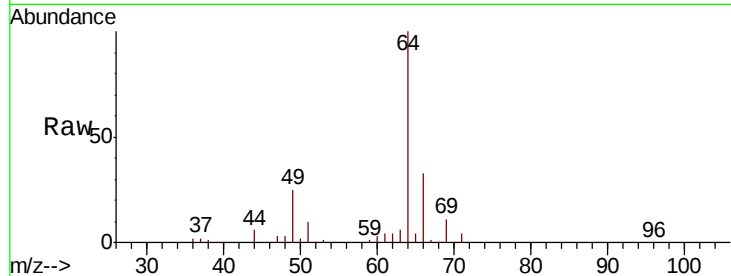
VSTD05077

Tot Ion: 64 Resp: 72690

Ion Ratio Lower Upper

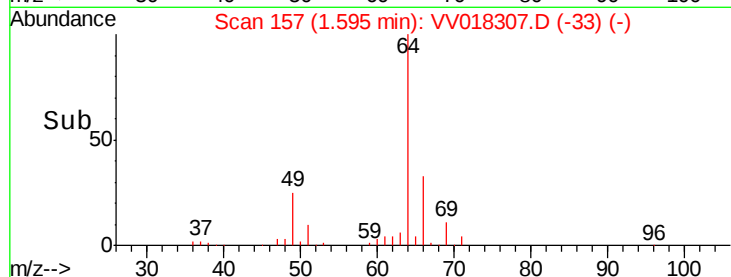
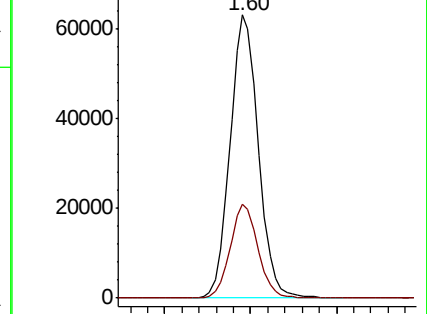
64 100

66 33.4 22.5 41.7

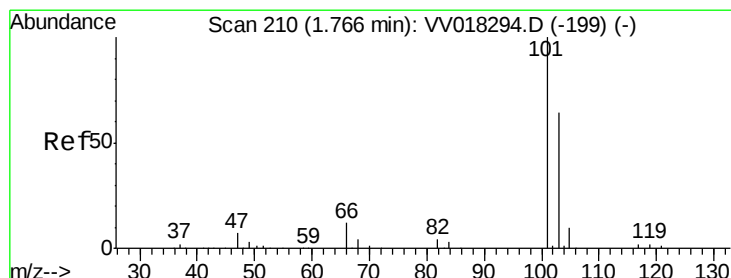


Abundance Ion 64.00 (63.70 to 64.70): VV018294.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018294.D (-148) (-)



Time-->



#9

Trichlorofluoromethane

Concen: 47.684 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018307.D

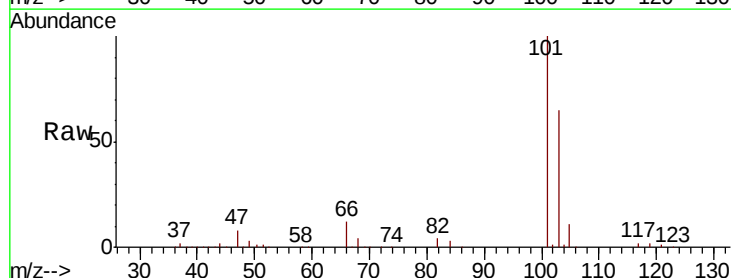
Acq: 18 Sep 2020 02:16

Tgt Ion:101 Resp: 160916

Ion Ratio Lower Upper

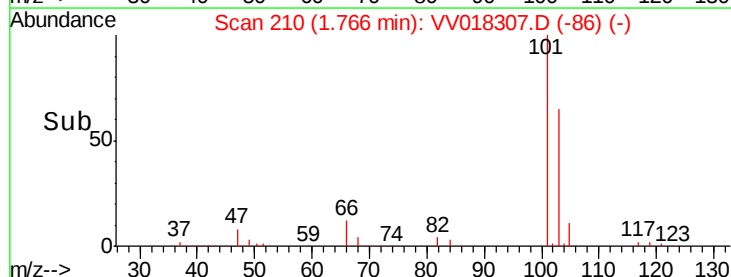
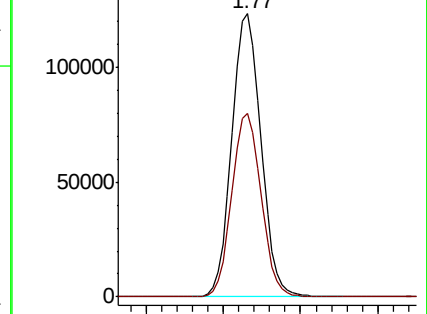
101 100

103 65.0 51.8 77.6

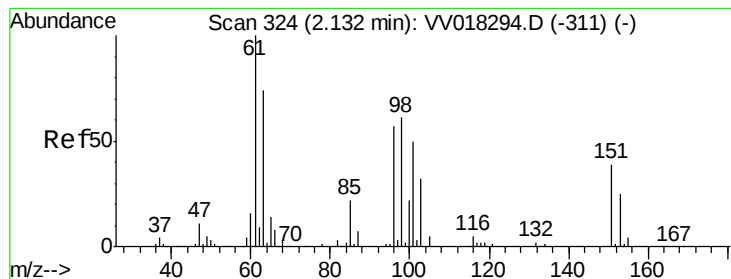


Abundance Ion 101.00 (100.70 to 101.70): VV018294.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018294.D (-199) (-)



Time-->



#10

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

Concen: 46.795 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

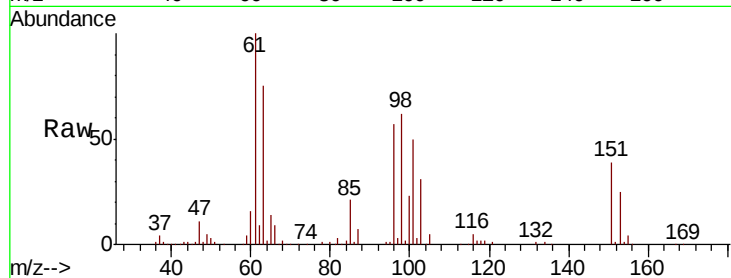
Tot Ion:101 Resp: 94855

Ion Ratio Lower Upper

101 100

85 42.2 33.5 50.3

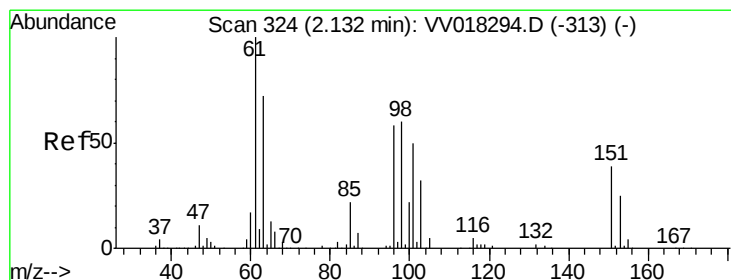
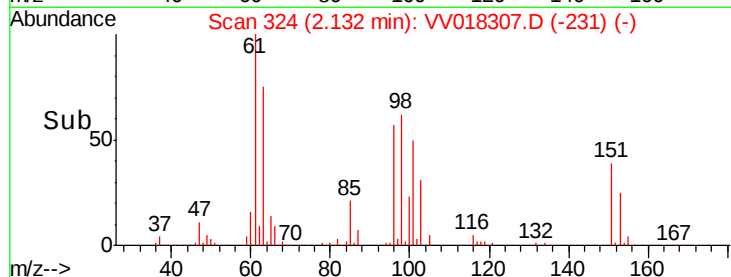
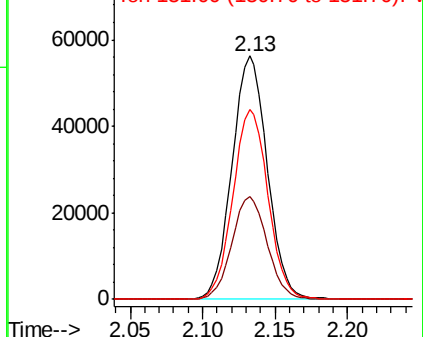
151 77.7 62.2 93.2



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



#12

1,1-Dichloroethene

Concen: 47.334 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

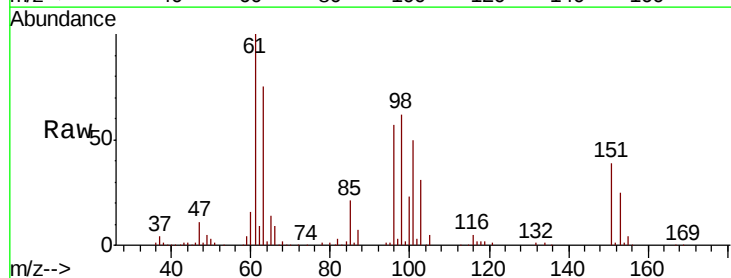
Tgt Ion: 96 Resp: 93359

Ion Ratio Lower Upper

96 100

61 176.0 122.9 228.3

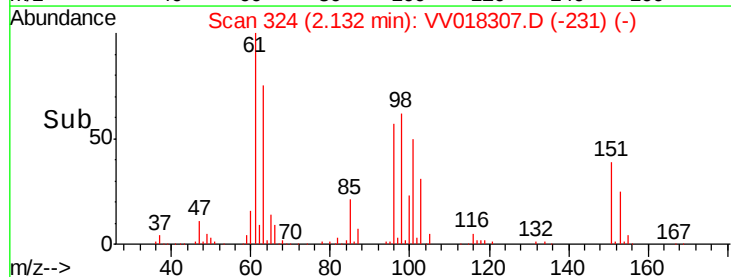
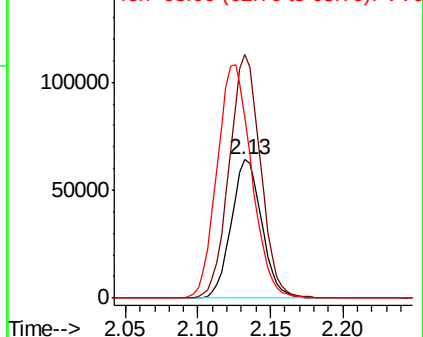
63 131.2 91.9 170.7

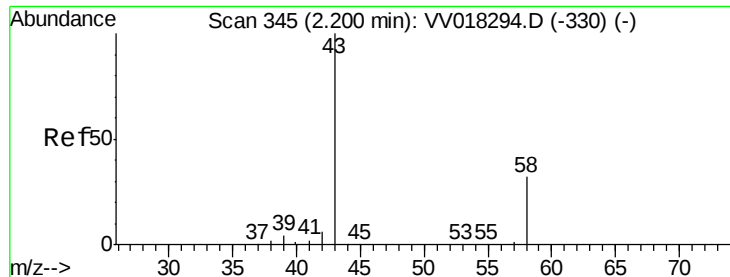


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 77.009 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

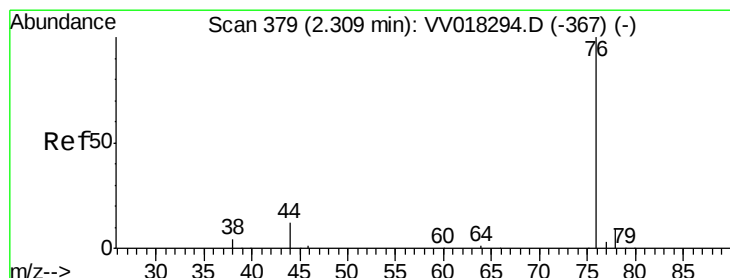
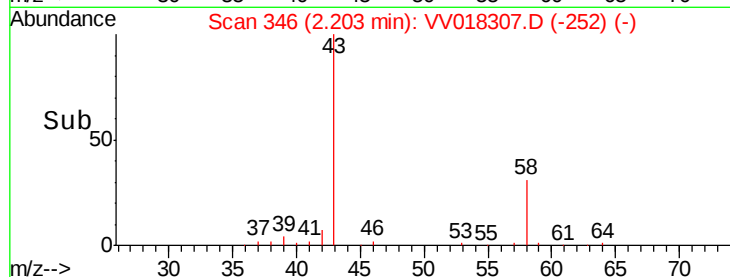
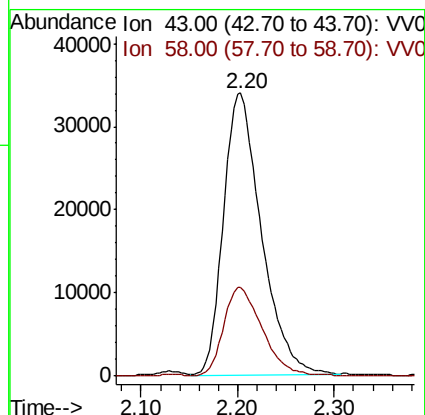
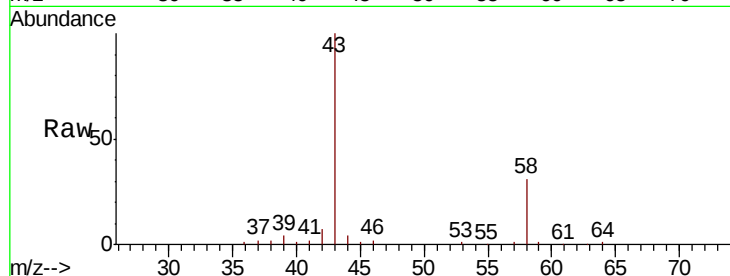
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion: 43 Resp: 92399

Ion Ratio Lower Upper

43 100

58 32.4 0.0 67.4



#14

Carbon disulfide

Concen: 44.834 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018307.D

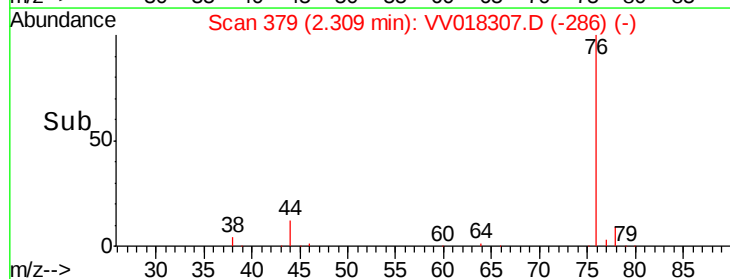
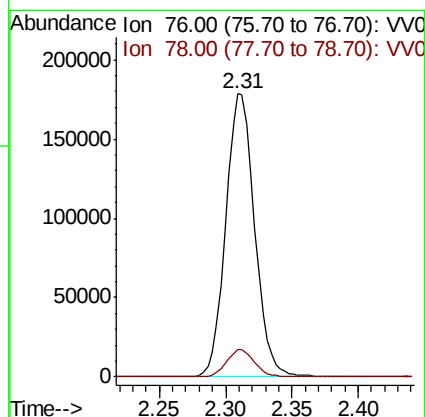
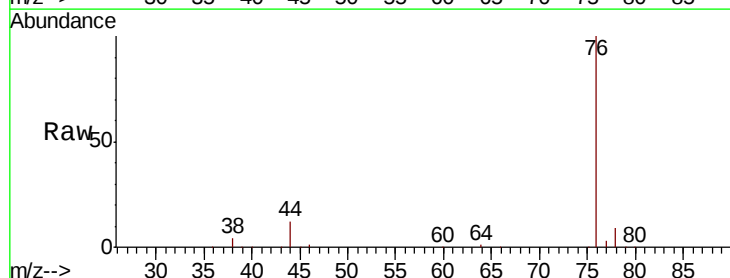
Acq: 18 Sep 2020 02:16

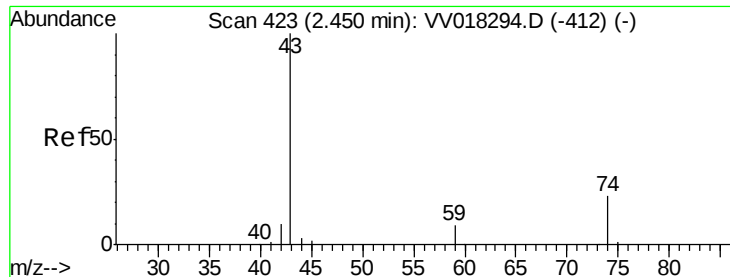
Tgt Ion: 76 Resp: 270584

Ion Ratio Lower Upper

76 100

78 9.5 7.3 10.9





#15

Methvl Acetate

Concen: 48.128 ug/L

RT: 2.45 min Scan# 423

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

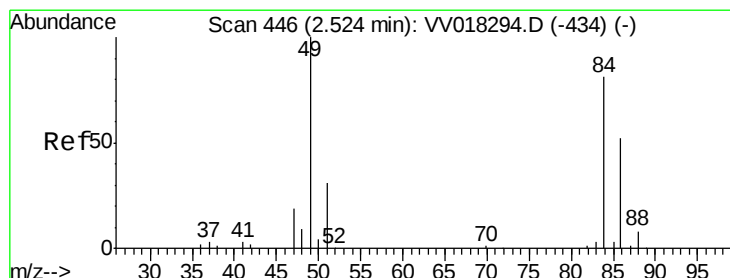
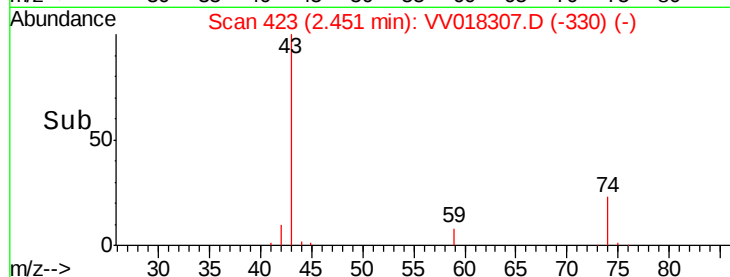
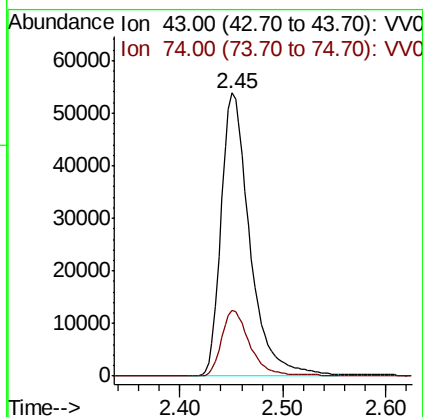
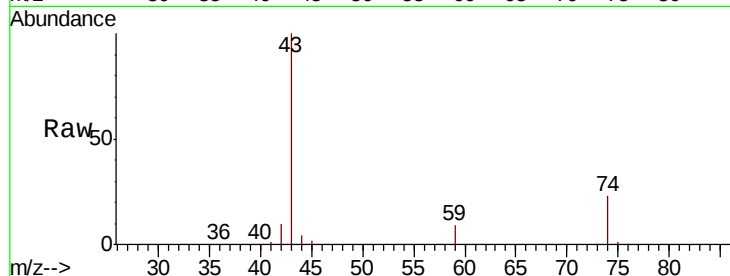
VSTD05077

Tot Ion: 43 Resp: 103777

Ion Ratio Lower Upper

43 100

74 23.1 18.4 27.6



#16

Methylene chloride

Concen: 47.350 ug/L

RT: 2.52 min Scan# 446

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

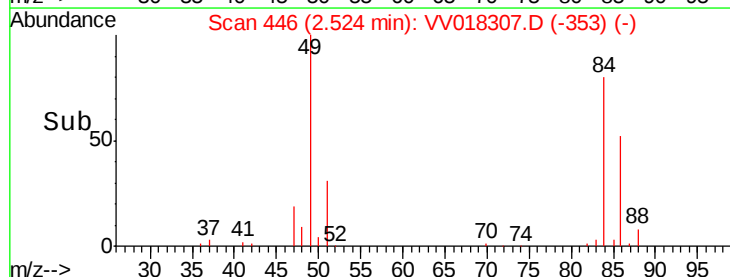
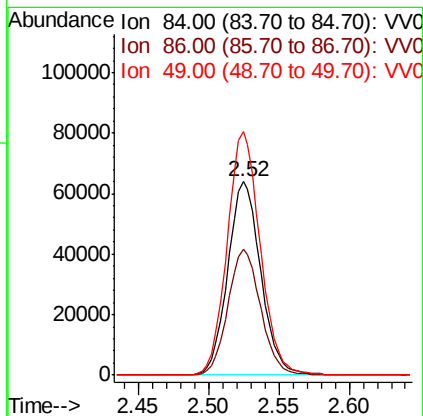
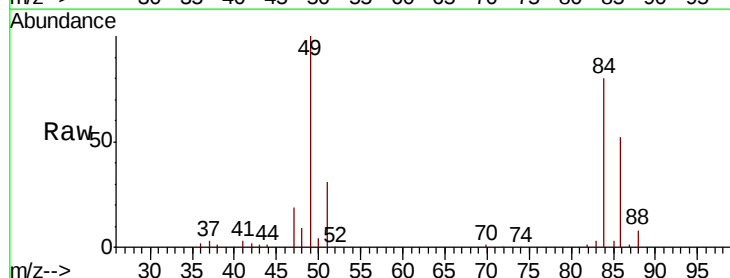
Tgt Ion: 84 Resp: 104738

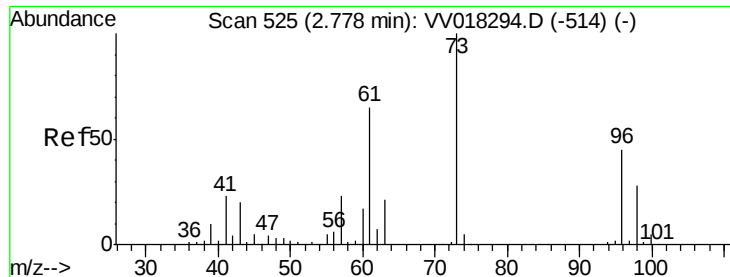
Ion Ratio Lower Upper

84 100

86 64.8 44.4 82.4

49 125.8 87.2 162.0

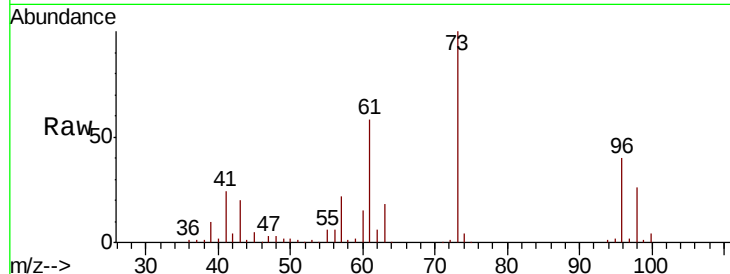




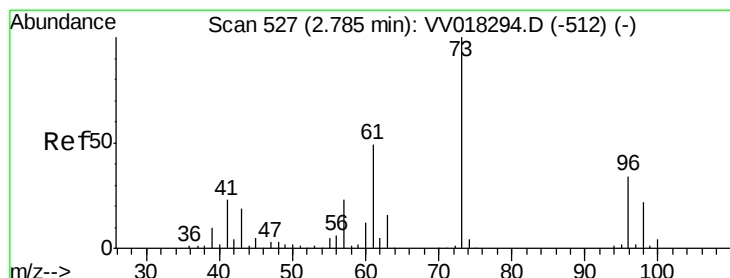
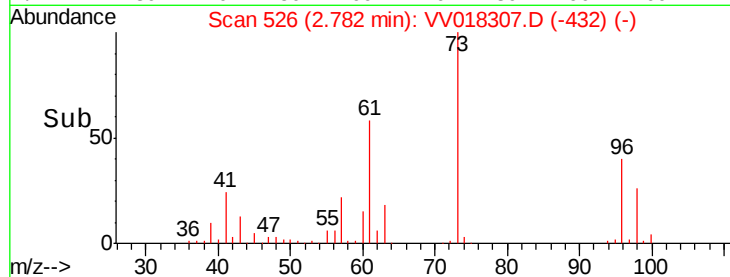
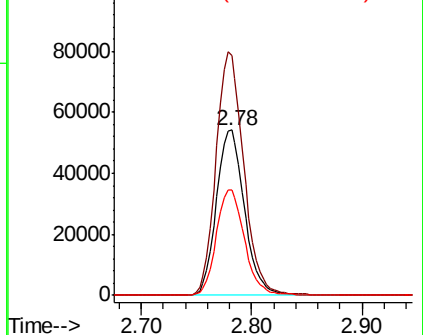
#17
trans-1,2-Dichloroethene
Concen: 47.028 ug/L
RT: 2.78 min Scan# 526
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion: 96 Resp: 95592
Ion Ratio Lower Upper
96 100
61 145.0 100.7 186.9
98 63.9 45.2 84.0

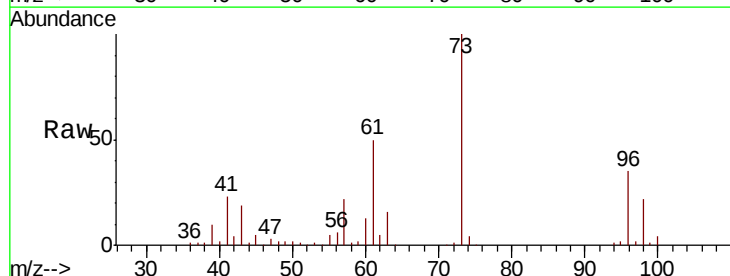


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

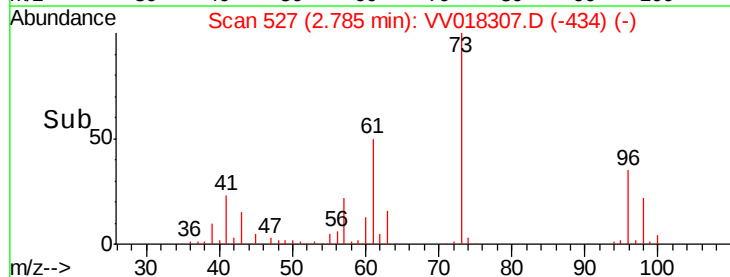
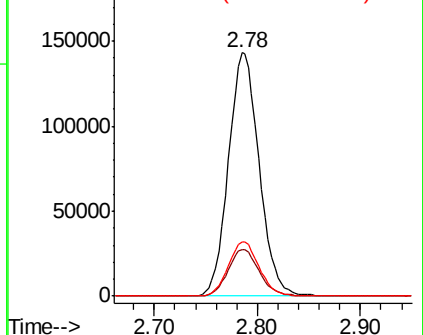


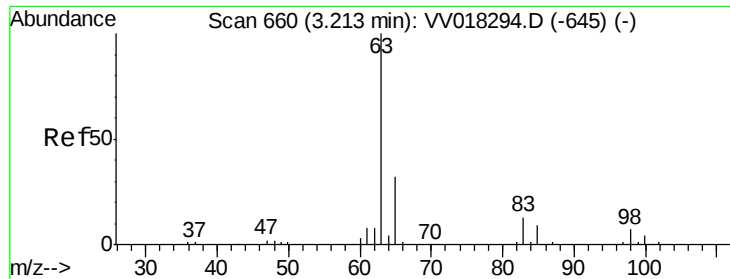
#18
Methyl tert-butyl Ether
Concen: 47.287 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Tgt Ion: 73 Resp: 297328
Ion Ratio Lower Upper
73 100
43 19.7 15.4 23.0
57 22.3 18.0 27.0



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

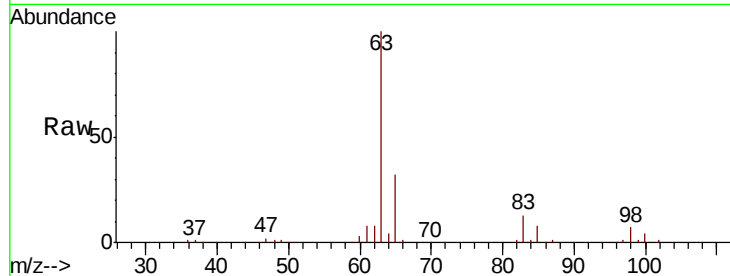




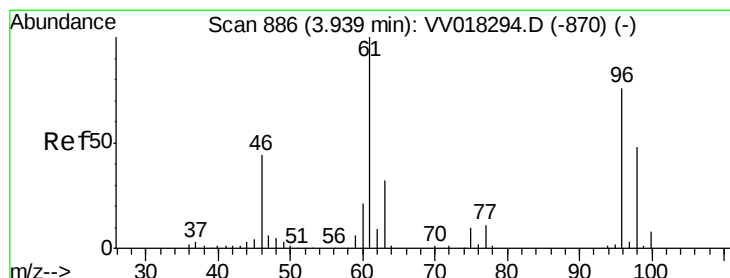
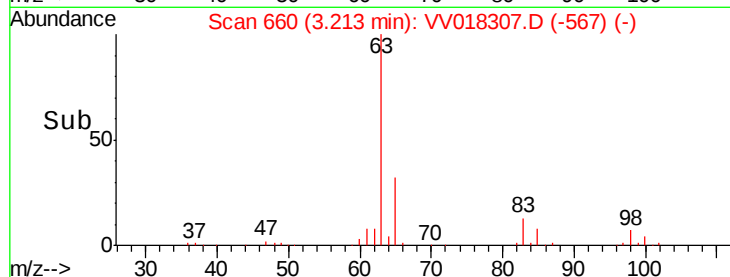
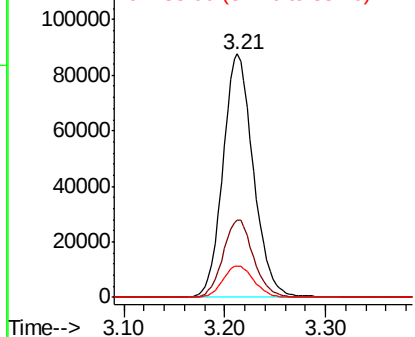
#19
 1,1-Dichloroethane
 Concen: 47.844 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Tot Ion: 63 Resp: 183874
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.0 9.3 17.3

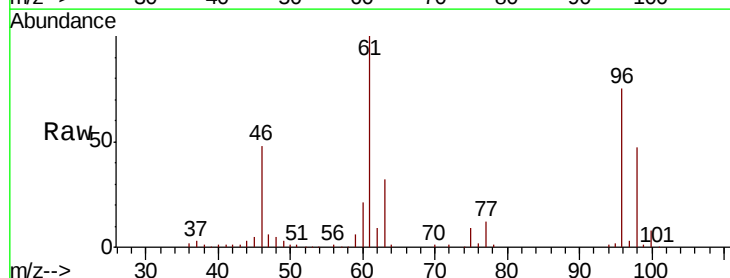


Abundance Ion 63.00 (62.70 to 63.70): VV0
 Ion 65.00 (64.70 to 65.70): VV0
 Ion 83.00 (82.70 to 83.70): VV0

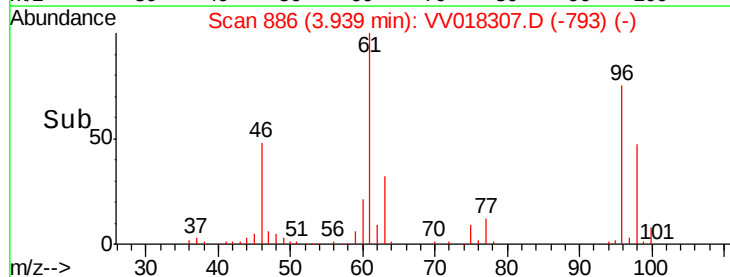
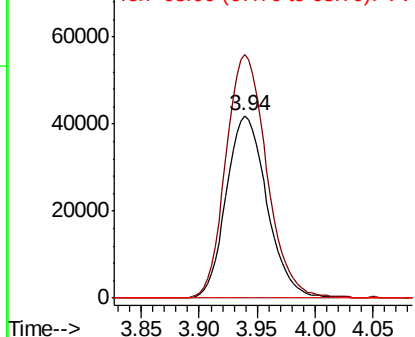


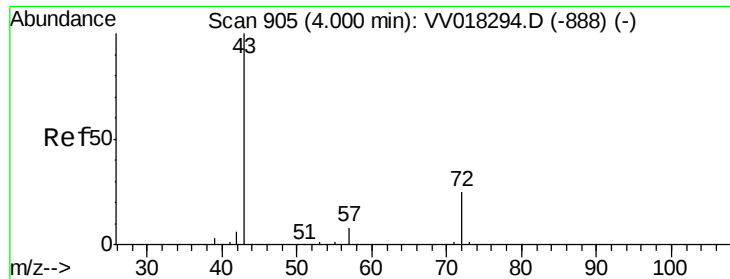
#20
 cis-1,2-Dichloroethene
 Concen: 46.916 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

Tgt Ion: 96 Resp: 101942
 Ion Ratio Lower Upper
 96 100
 61 133.5 93.6 173.8
 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: 95.250 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

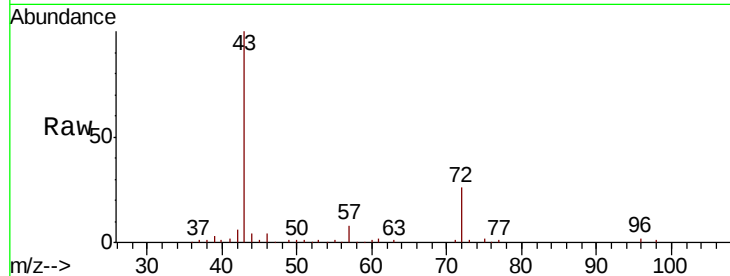
VSTD05077

Tot Ion: 43 Resp: 135332

Ion Ratio Lower Upper

43 100

72 25.4 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018294.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV018294.D (-888) (-)

4.00

40000

30000

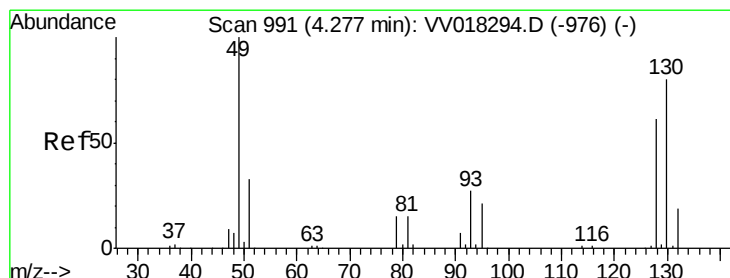
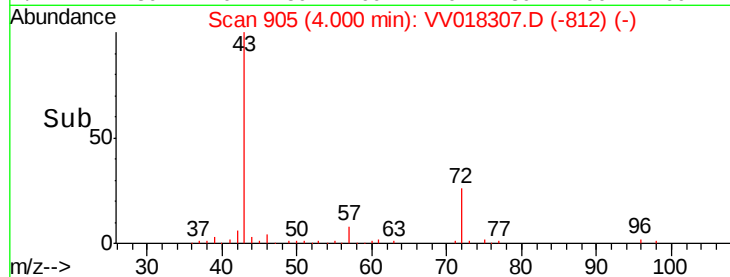
20000

10000

0

3.90 4.00 4.10

Time-->



#23

Bromochloromethane

Concen: 48.775 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Tgt Ion: 128 Resp: 55451

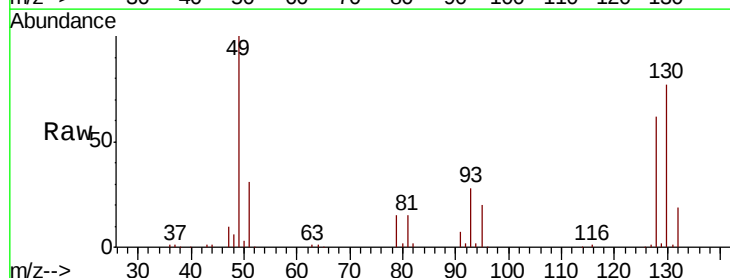
Ion Ratio Lower Upper

128 100

49 161.8 114.4 212.6

130 124.5 87.9 163.3

51 49.8 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018294.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018294.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018294.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018294.D (-976) (-)

4.28

50000

40000

30000

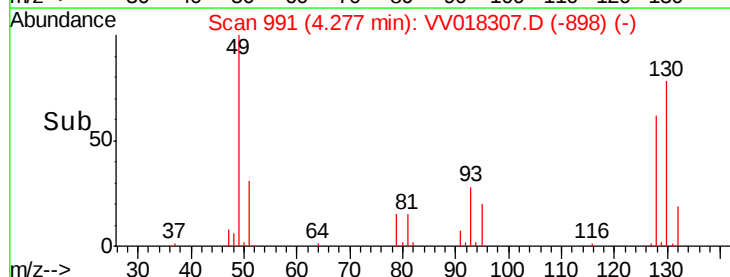
20000

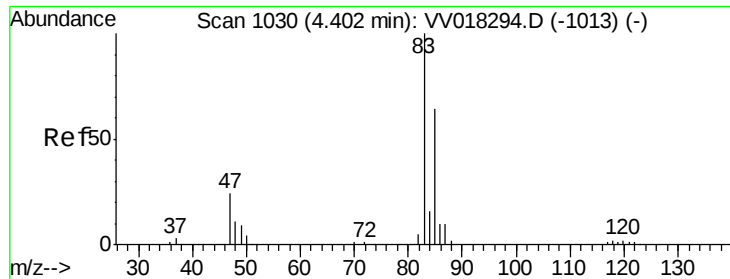
10000

0

4.20 4.30 4.40

Time-->

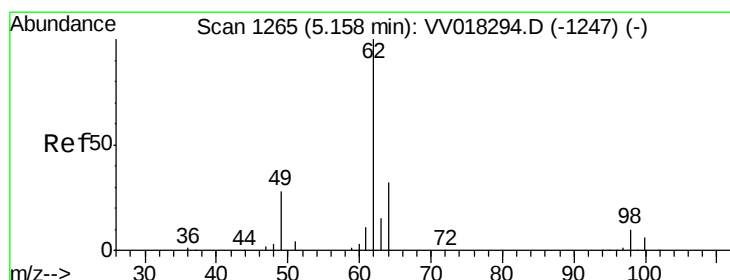
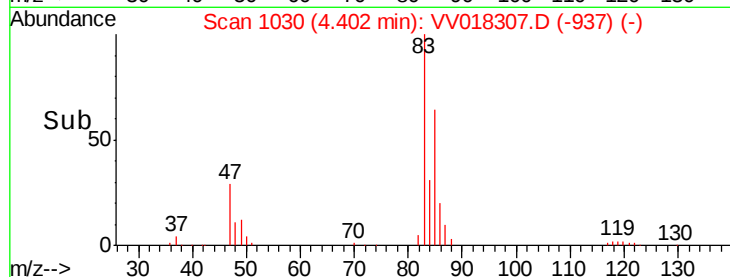
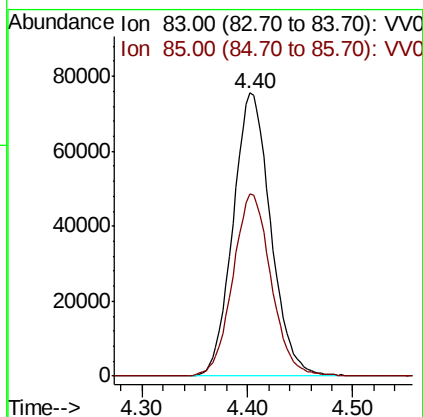
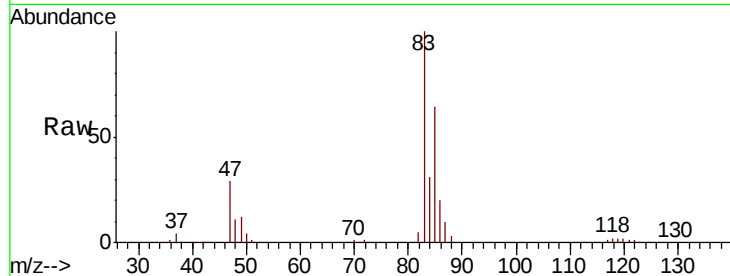




#25
Chloroform
Concen: 47.993 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

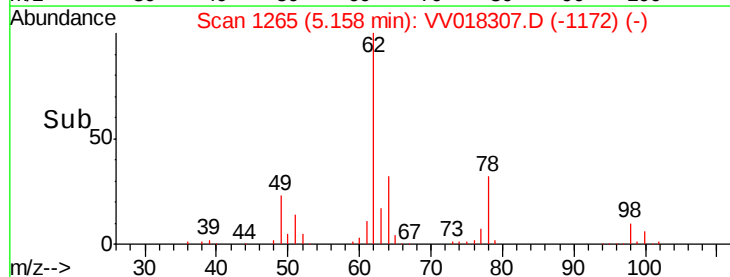
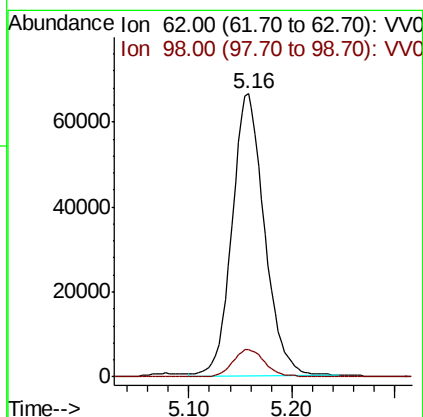
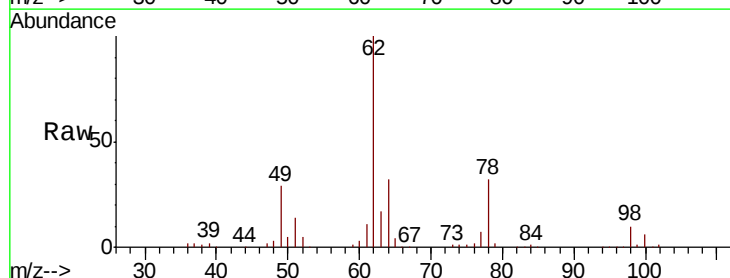
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

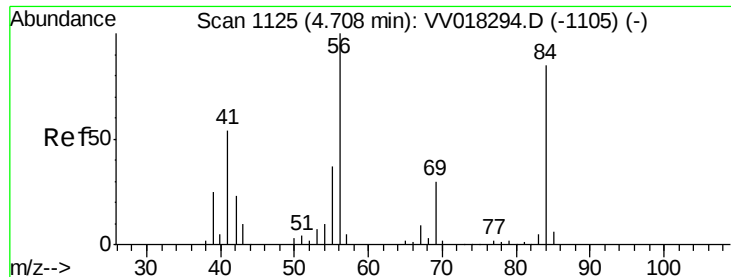
Tot Ion: 83 Resp: 187490
Ion Ratio Lower Upper
83 100
85 64.3 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.143 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Tgt Ion: 62 Resp: 145599
Ion Ratio Lower Upper
62 100
98 9.6 7.6 11.4

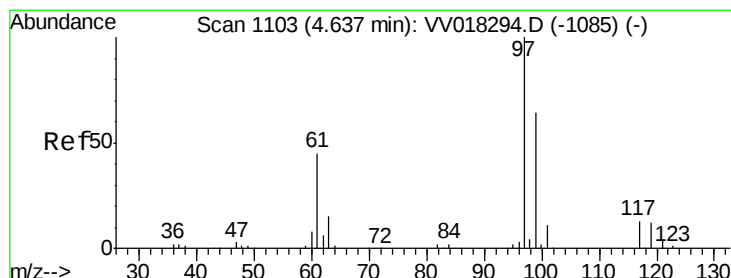
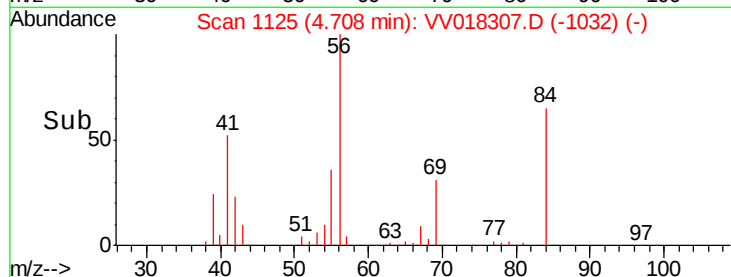
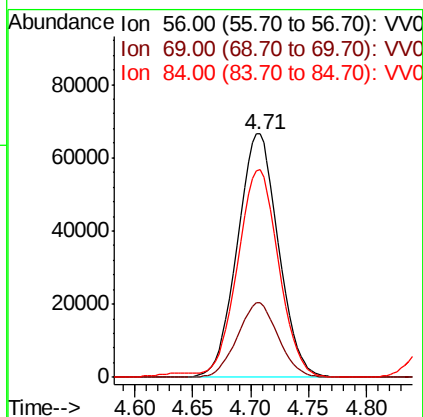
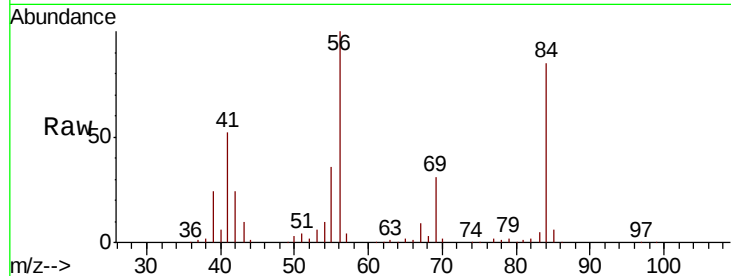




#29
Cyclohexane
Concen: 48.224 ug/L
RT: 4.71 min Scan# 1125
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

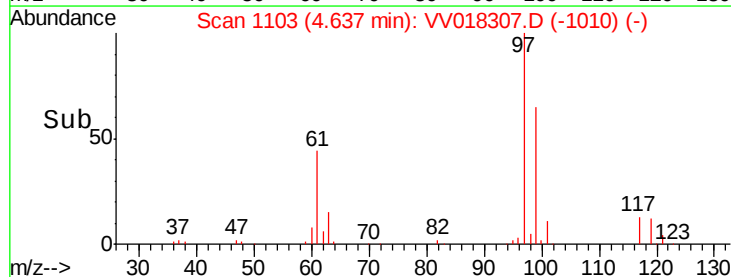
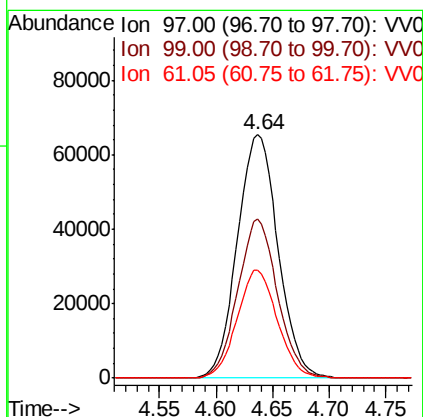
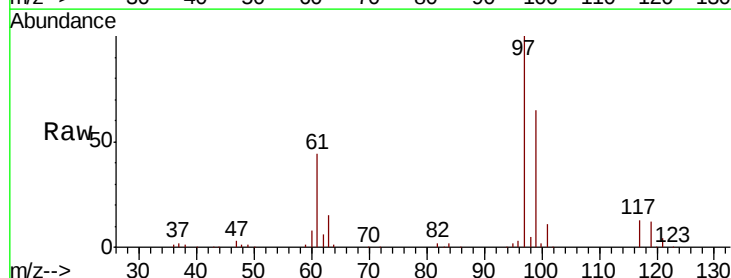
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

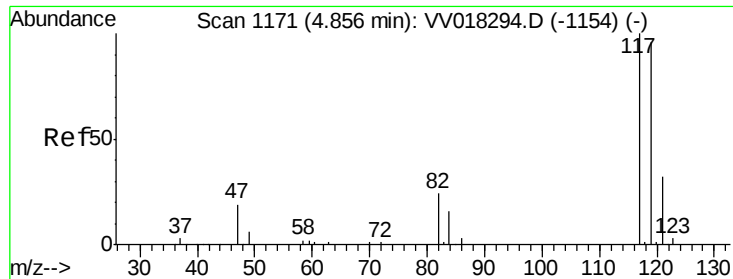
Tot Ion: 56 Resp: 163693
Ion Ratio Lower Upper
56 100
69 30.3 24.2 36.2
84 85.7 68.3 102.5



#30
1,1,1-Trichloroethane
Concen: 48.133 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Tgt Ion: 97 Resp: 164204
Ion Ratio Lower Upper
97 100
99 63.7 51.6 77.4
61 43.8 34.9 52.3





#31

Carbon tetrachloride

Concen: 47.334 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

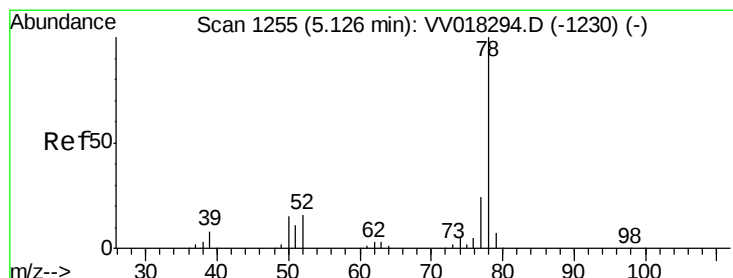
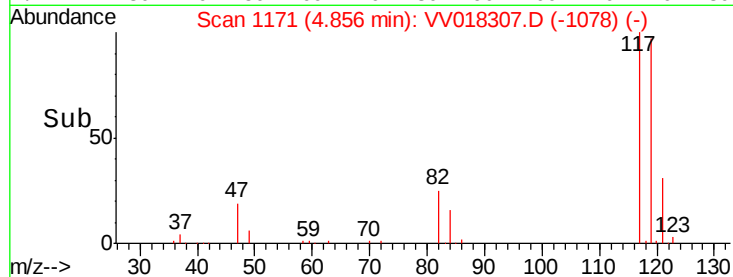
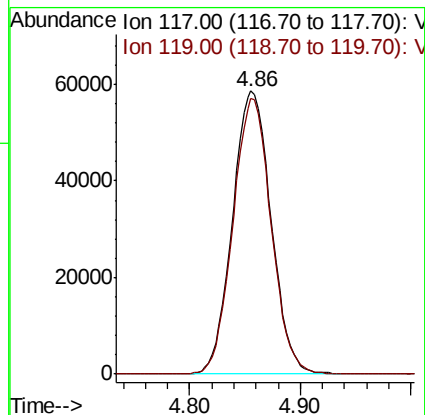
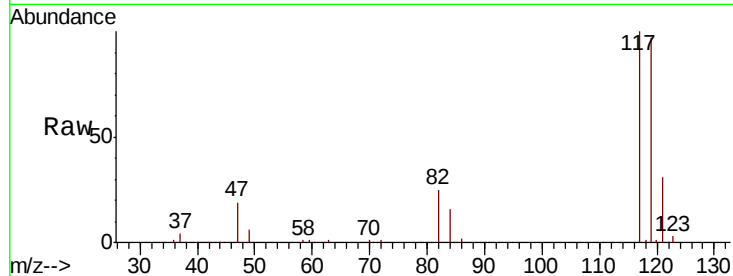
VSTD05077

Tot Ion:117 Resp: 141988

Ion Ratio Lower Upper

117 100

119 96.4 75.7 113.5



#33

Benzene

Concen: 48.620 ug/L

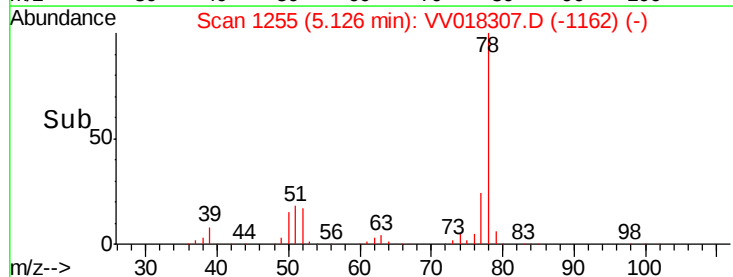
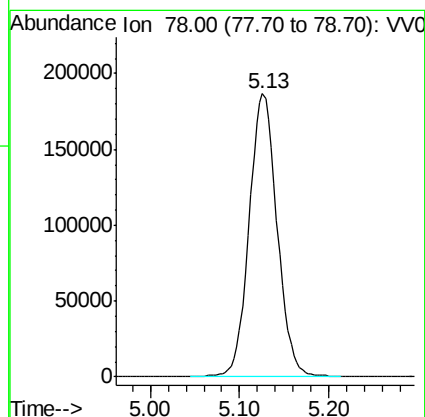
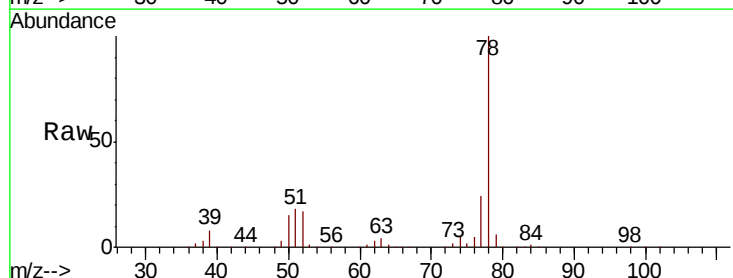
RT: 5.13 min Scan# 1255

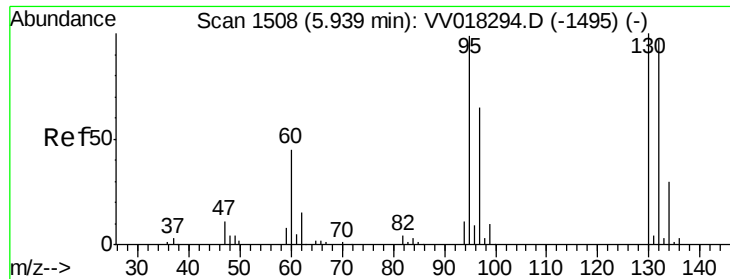
Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Tgt Ion: 78 Resp: 408625





#34

Trichloroethene

Concen: 45.775 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleID :

VSTD05077

Tot Ion: 95 Resp: 104801

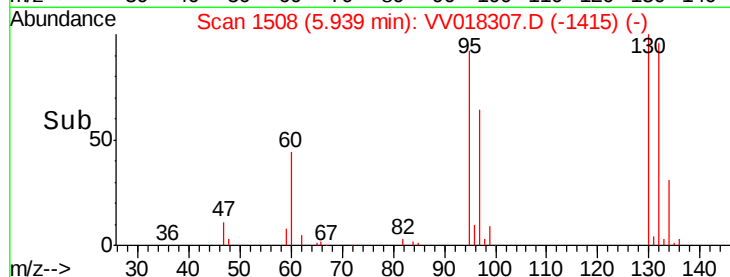
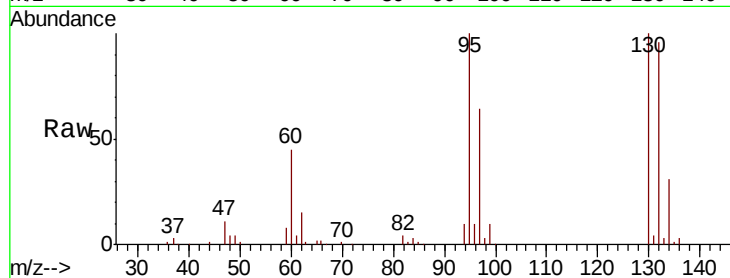
Ion Ratio Lower Upper

95 100

97 64.2 46.3 85.9

132 95.8 68.1 126.5

130 100.0 71.5 132.9

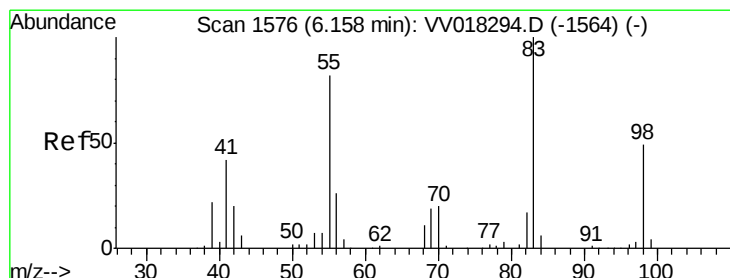
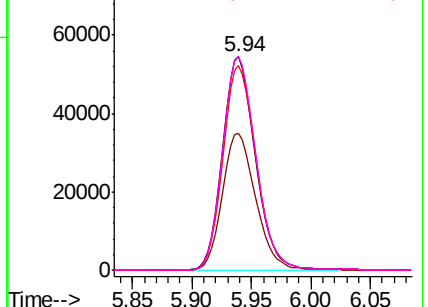


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.088 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

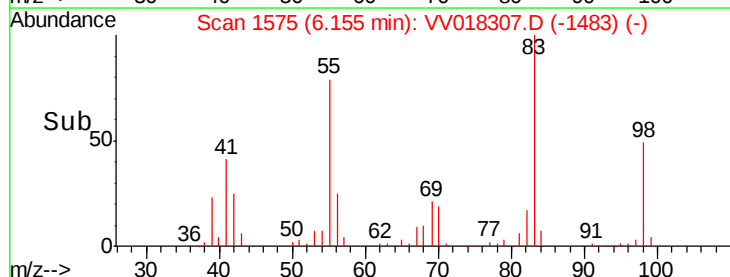
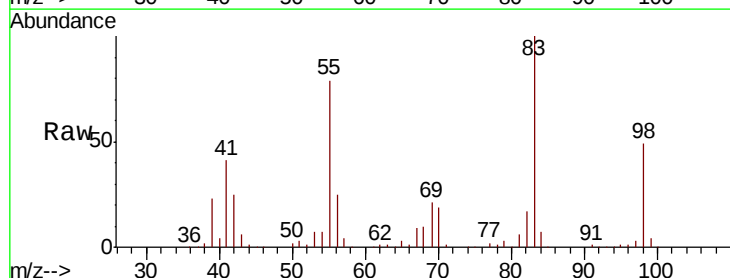
Tgt Ion: 83 Resp: 162321

Ion Ratio Lower Upper

83 100

55 79.6 63.4 95.2

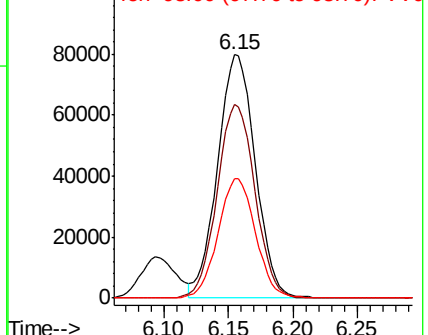
98 48.6 38.8 58.2

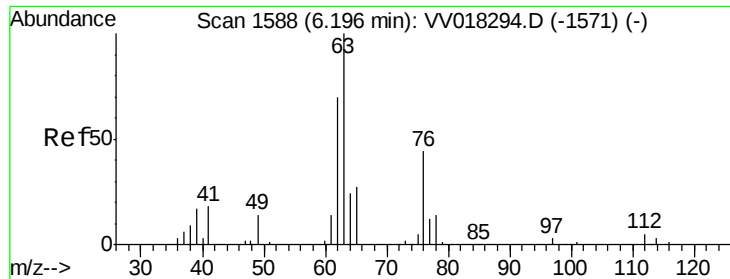


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

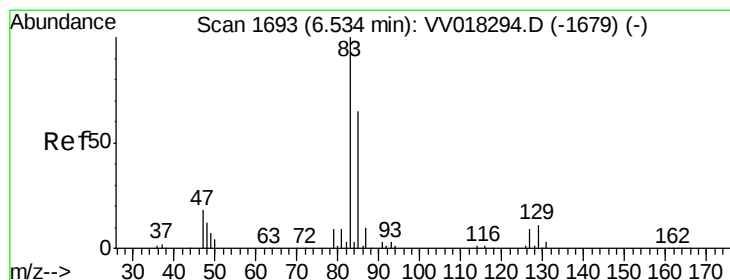
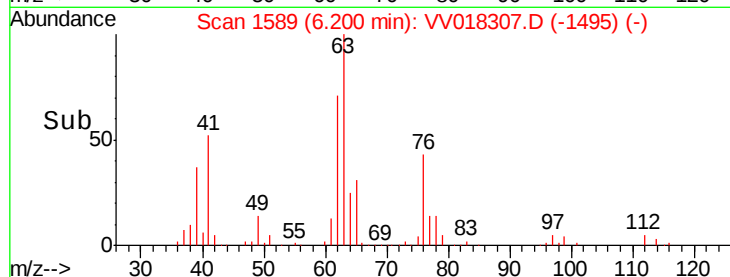
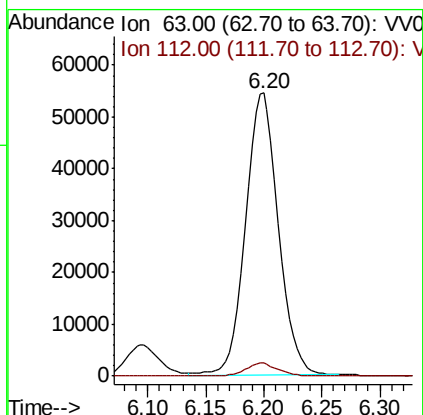
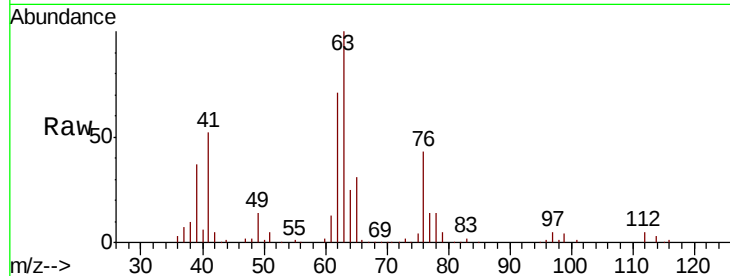




#37
 1,2-Dichloropropane
 Concen: 48.225 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

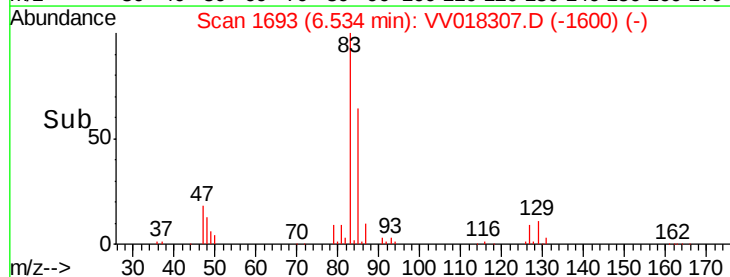
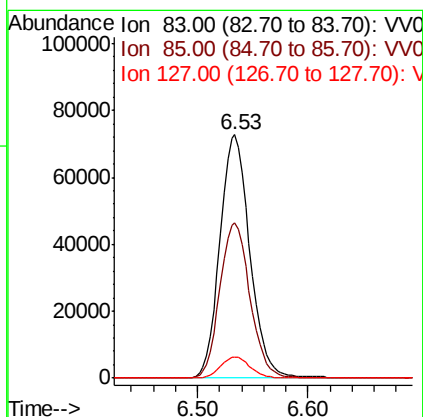
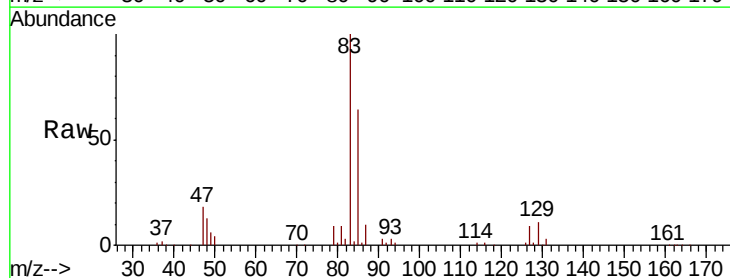
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

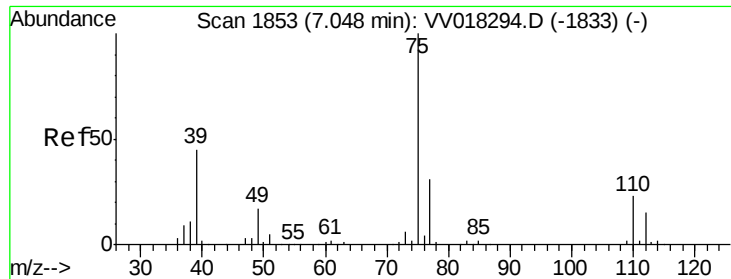
Tot Ion: 63 Resp: 107403
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 47.312 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

Tgt Ion: 83 Resp: 137122
 Ion Ratio Lower Upper
 83 100
 85 64.0 44.7 82.9
 127 8.7 6.7 10.1

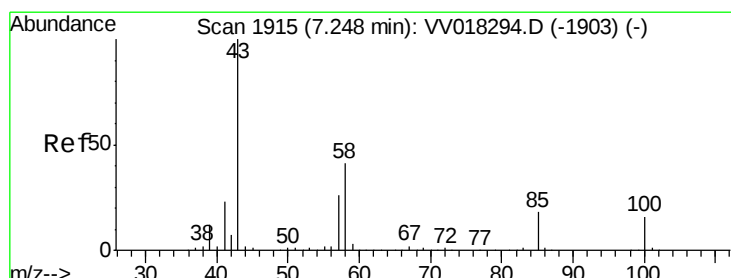
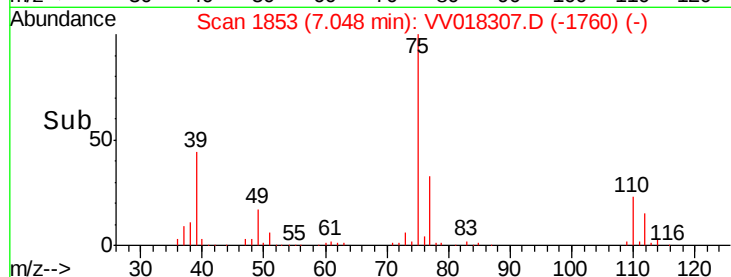
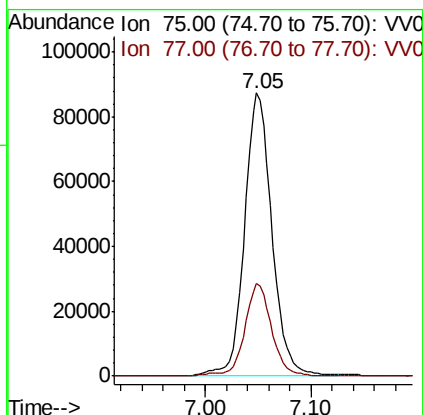
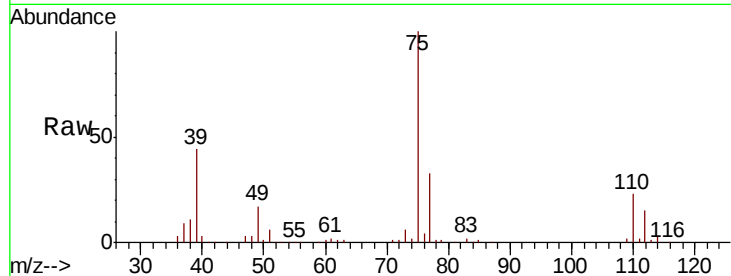




#39
 cis-1,3-Dichloropropene
 Concen: 46.020 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

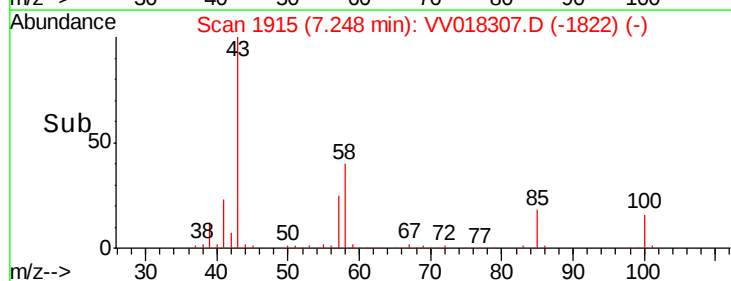
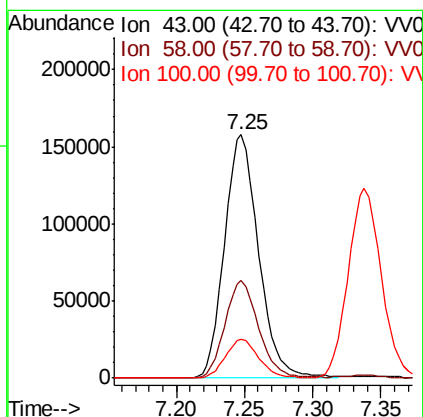
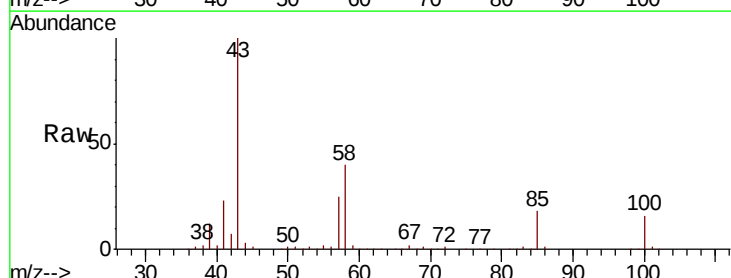
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

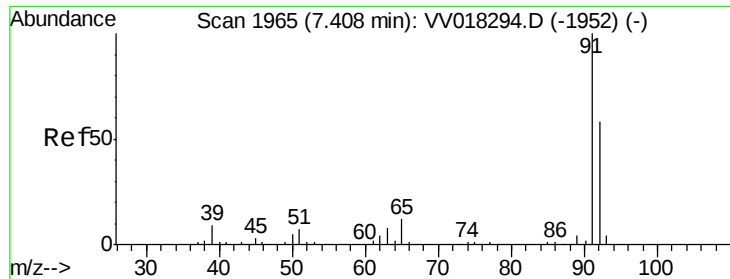
Tot Ion: 75 Resp: 157916
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 101.536 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

Tgt Ion: 43 Resp: 274335
 Ion Ratio Lower Upper
 43 100
 58 39.6 32.4 48.6
 100 15.6 12.7 19.1





#42

Toluene

Concen: 49.130 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

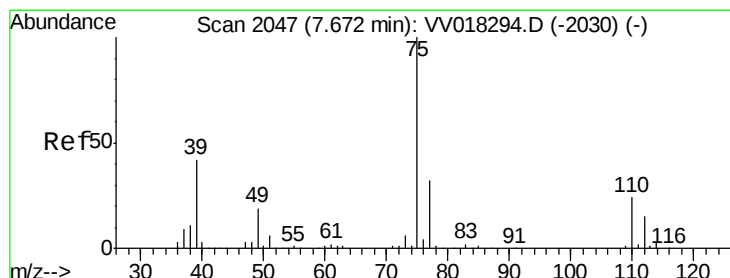
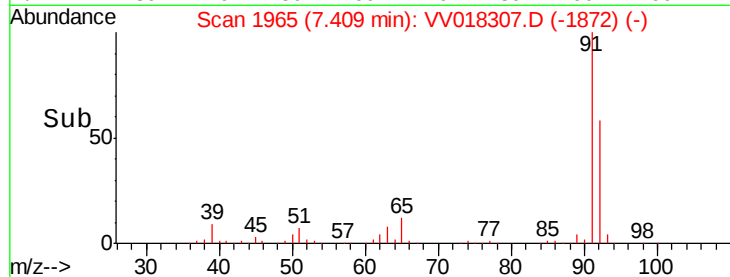
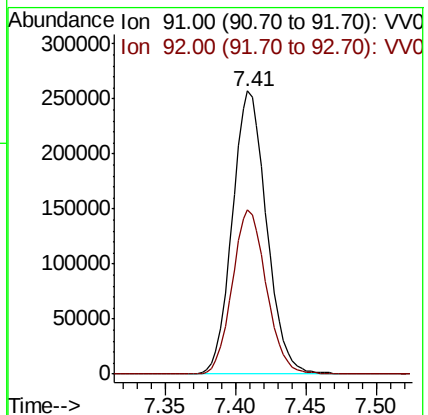
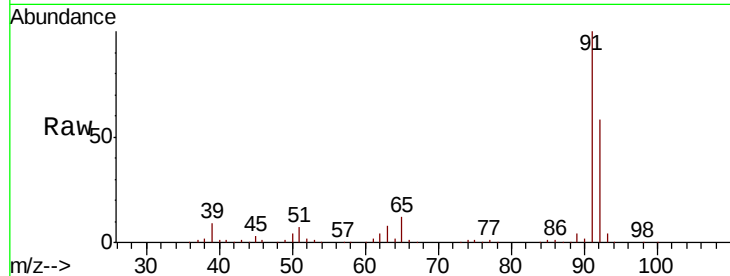
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

Tot Ion: 91 Resp: 436978

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 46.443 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018307.D

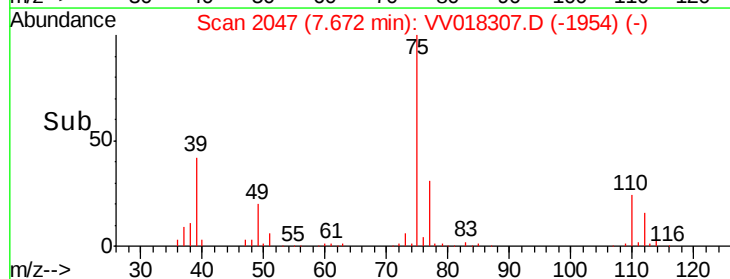
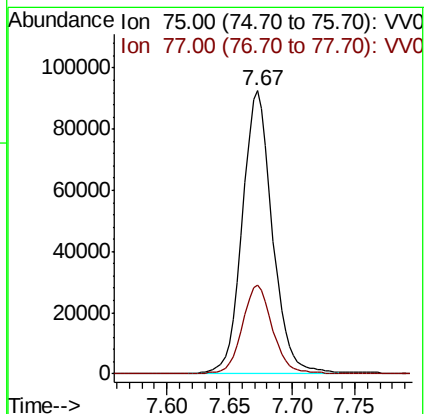
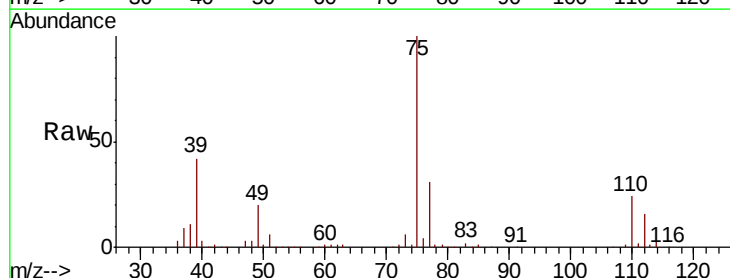
Acq: 18 Sep 2020 02:16

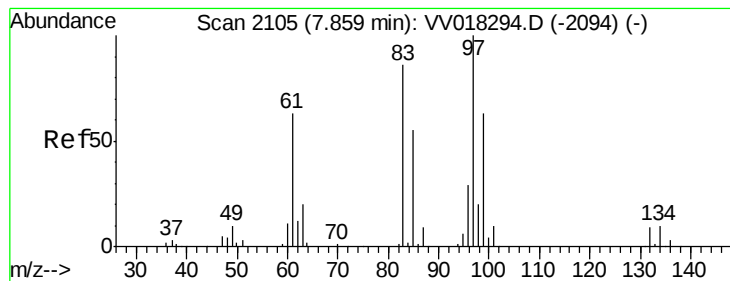
Tgt Ion: 75 Resp: 155170

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5





#45

1,1,2-Trichloroethane

Concen: 49.020 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

Tot Ion: 97 Resp: 101190

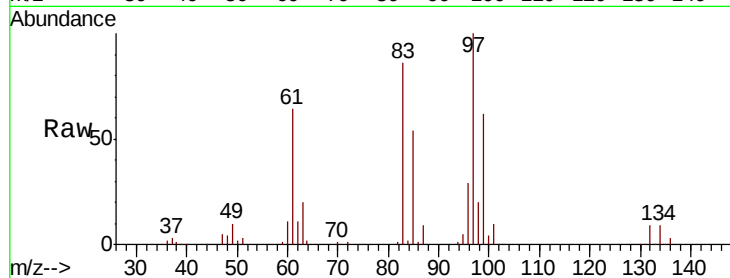
Ion Ratio Lower Upper

97 100

99 62.1 43.7 81.1

83 85.7 59.9 111.3

85 54.3 37.6 69.8

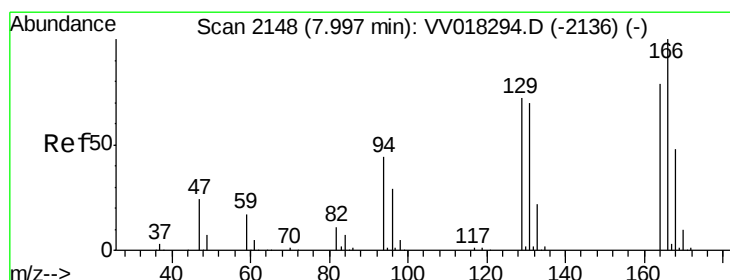
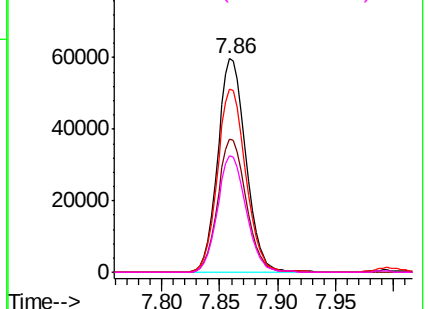
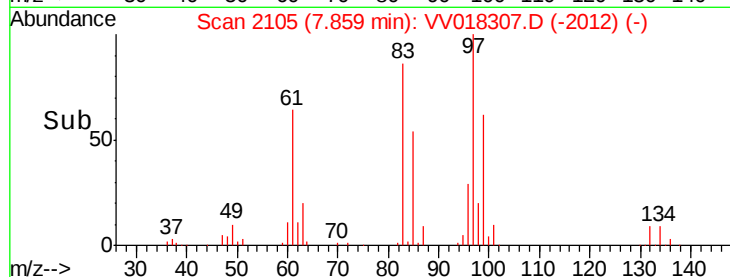


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 47.013 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Tgt Ion: 164 Resp: 84394

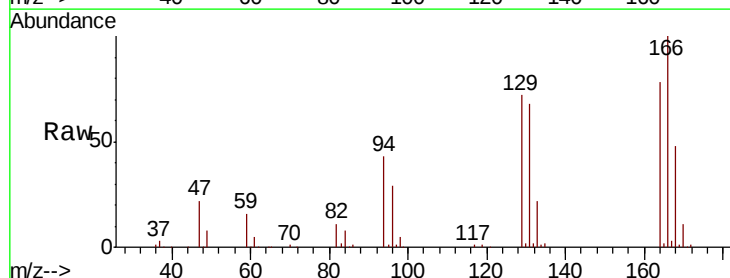
Ion Ratio Lower Upper

164 100

129 91.9 64.5 119.7

131 87.3 61.8 114.8

166 128.1 90.6 168.2

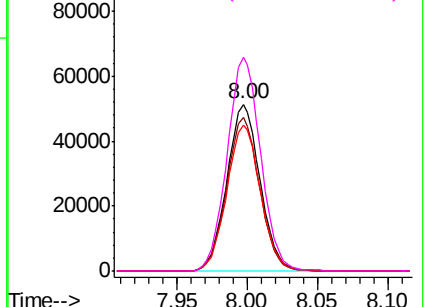
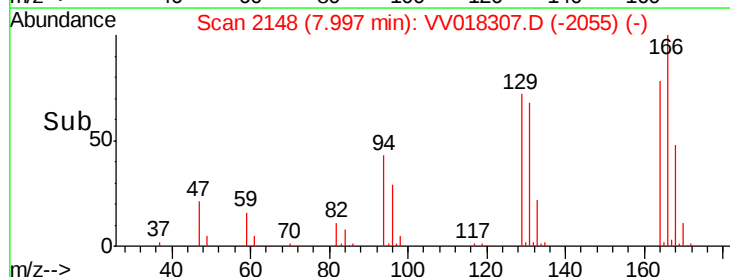


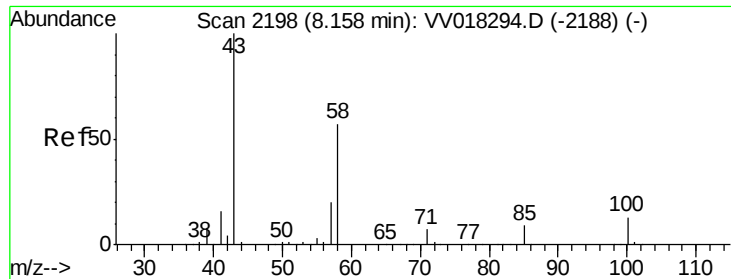
Abundance Ion 164.00 (163.70 to 164.70): V

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

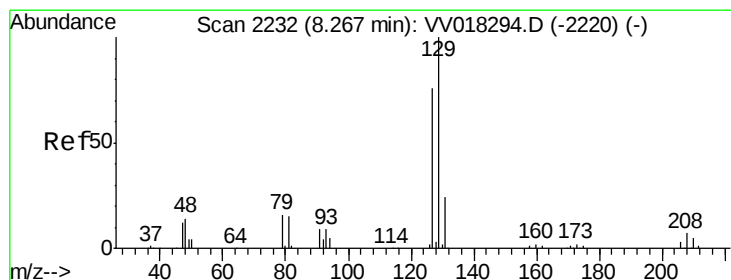
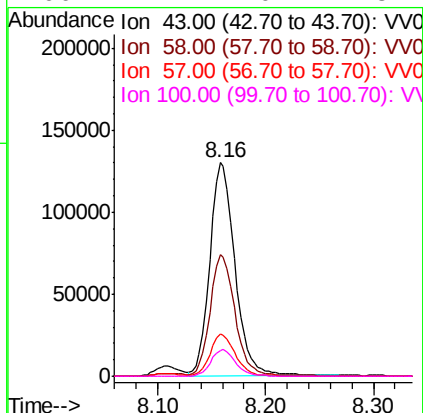
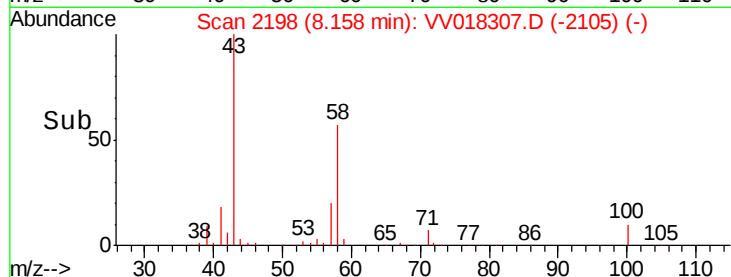
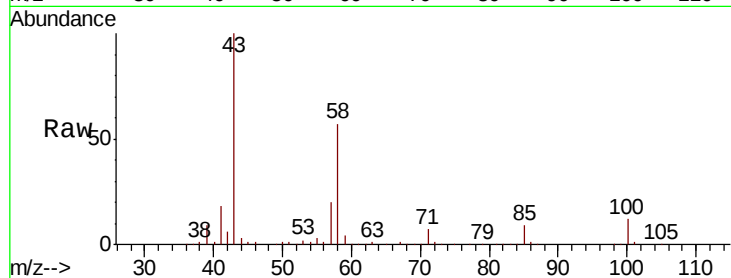




#48
2-Hexanone
Concen: 99.172 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

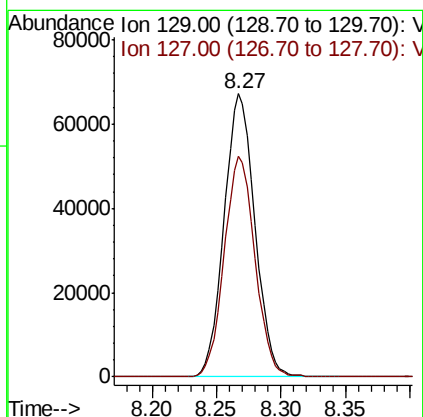
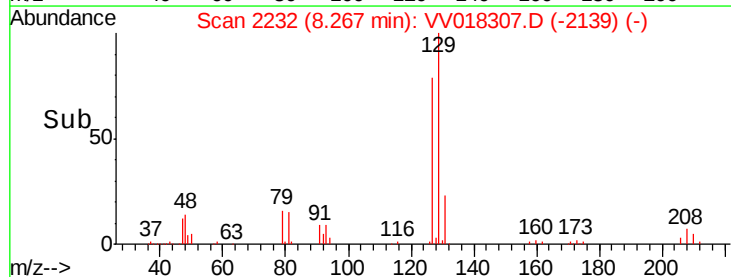
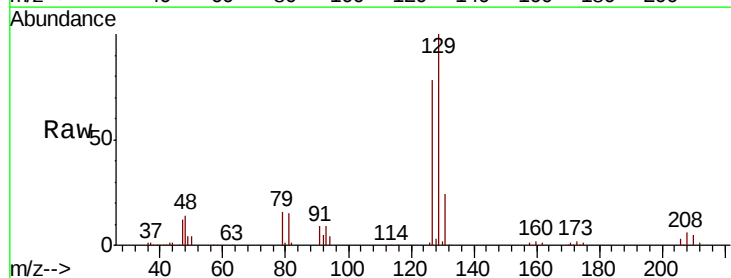
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

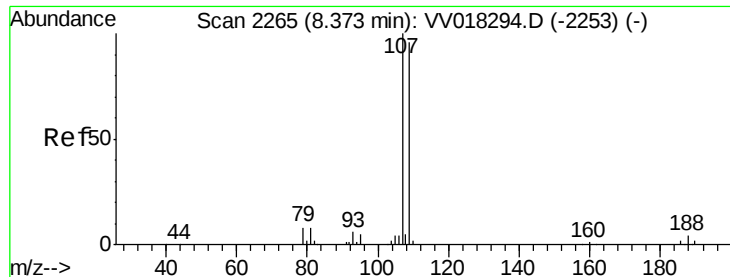
Tot Ion: 43 Resp: 211245
Ion Ratio Lower Upper
43 100
58 56.2 44.8 67.2
57 19.6 15.8 23.6
100 12.4 10.2 15.4



#49
Dibromochloromethane
Concen: 48.144 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Tgt Ion: 129 Resp: 111554
Ion Ratio Lower Upper
129 100
127 78.1 54.5 101.1

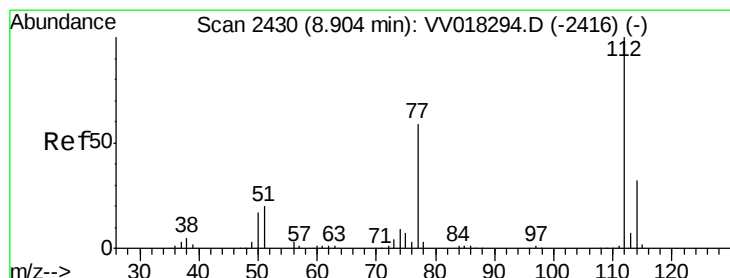
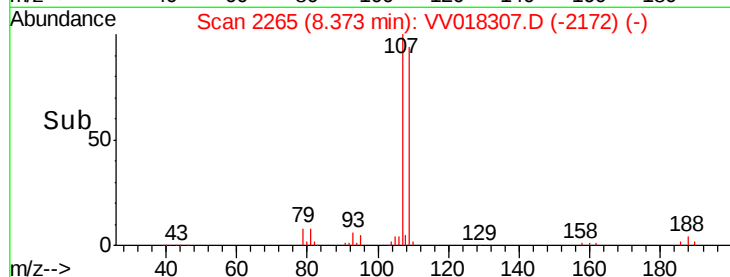
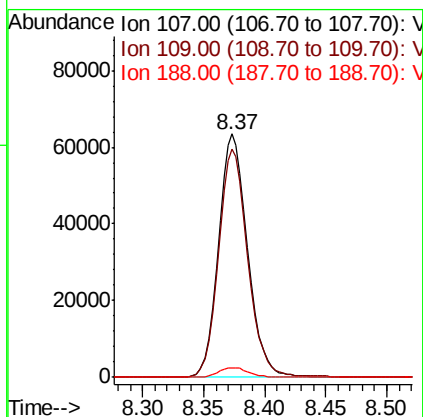
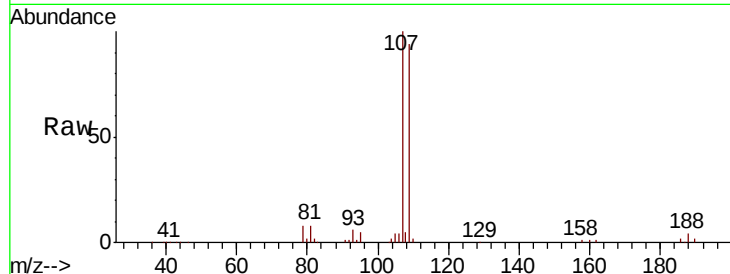




#50
1,2-Dibromoethane
Concen: 48.756 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

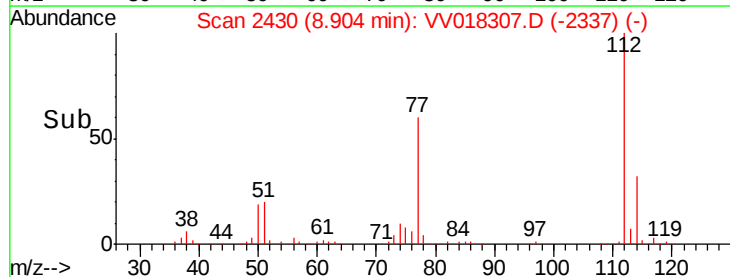
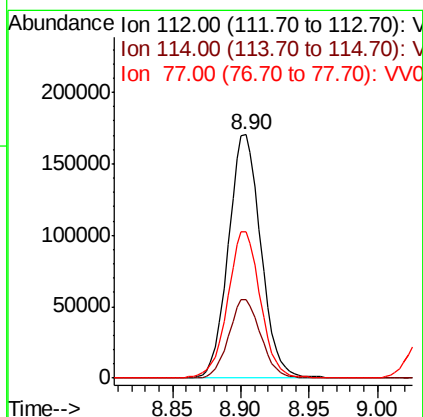
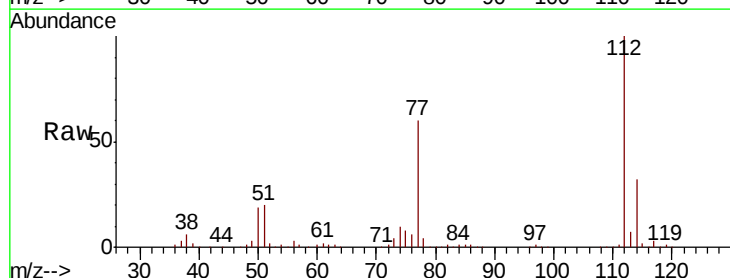
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

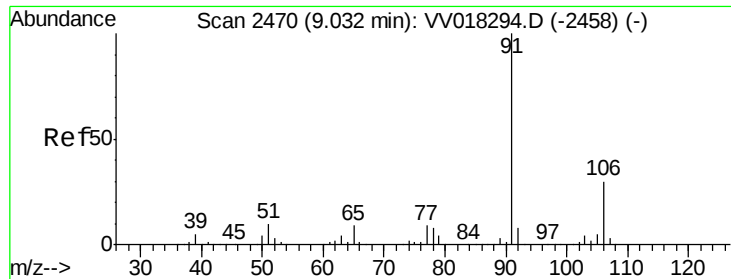
Tot Ion:107 Resp: 105923
Ion Ratio Lower Upper
107 100
109 93.8 66.1 122.8
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 48.781 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Tgt Ion:112 Resp: 281769
Ion Ratio Lower Upper
112 100
114 32.5 22.6 42.0
77 60.1 48.0 72.0





#52

Ethylbenzene

Concen: 49.805 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

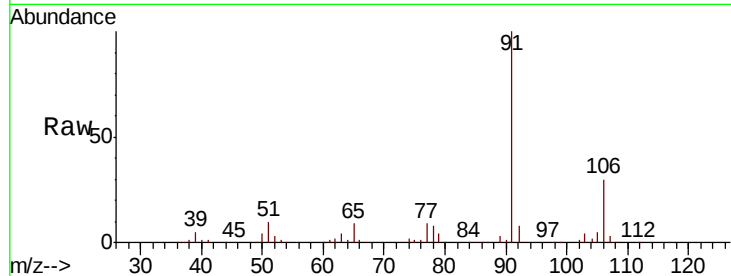
VSTD05077

Tot Ion: 91 Resp: 483626

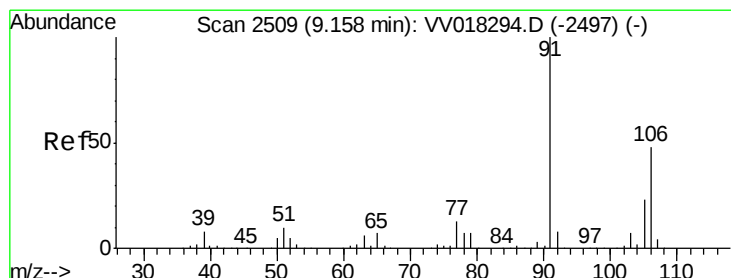
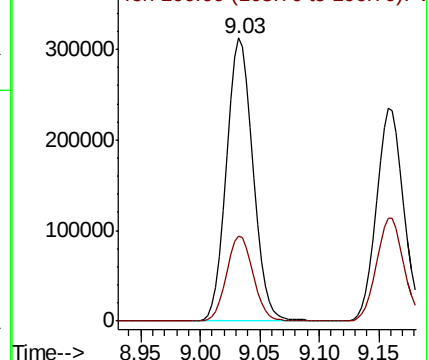
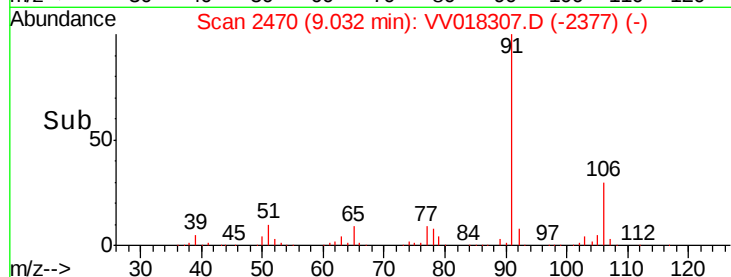
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018307.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.990 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018307.D

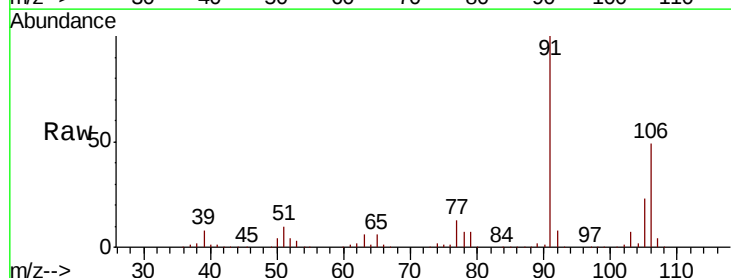
Acq: 18 Sep 2020 02:16

Tgt Ion: 106 Resp: 181187

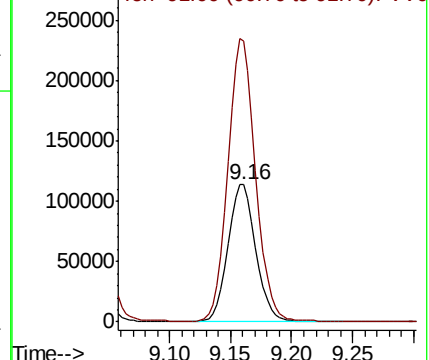
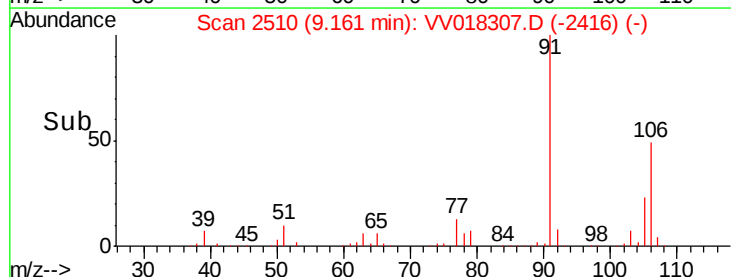
Ion Ratio Lower Upper

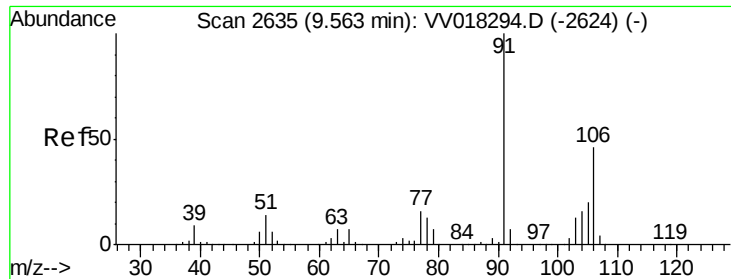
106 100

91 204.8 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018307.D (-2416) (-)

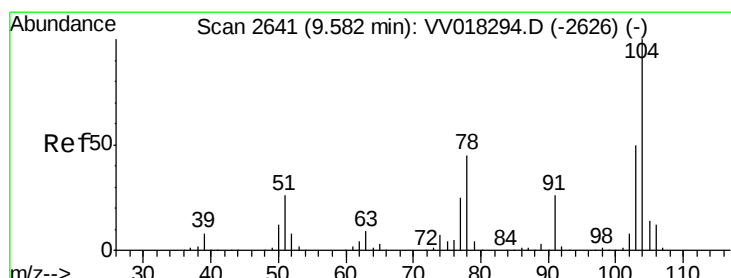
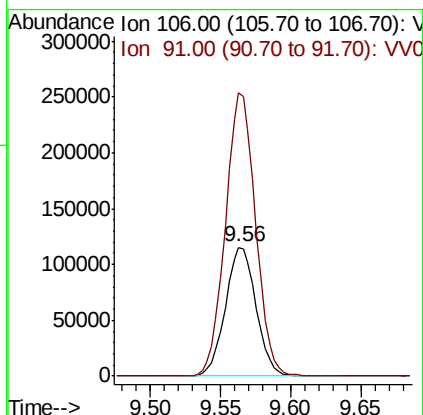
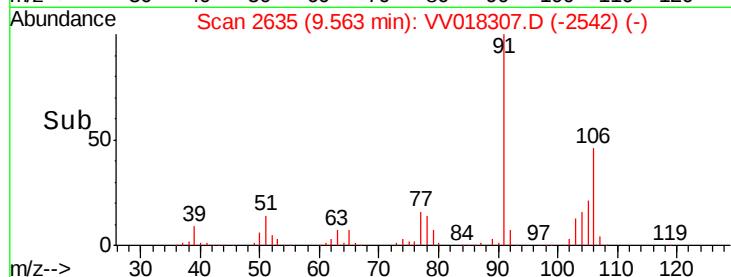
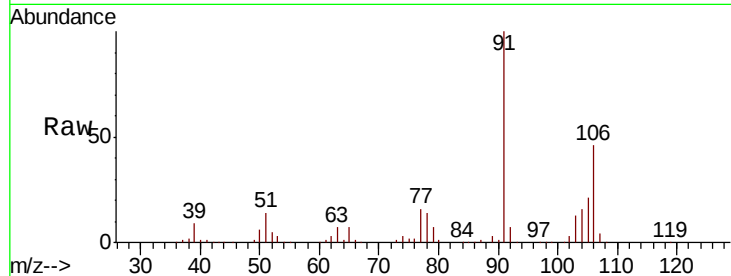




#54
o-xylene
Concen: 50.124 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

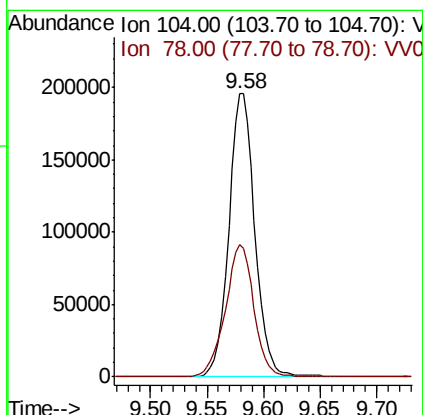
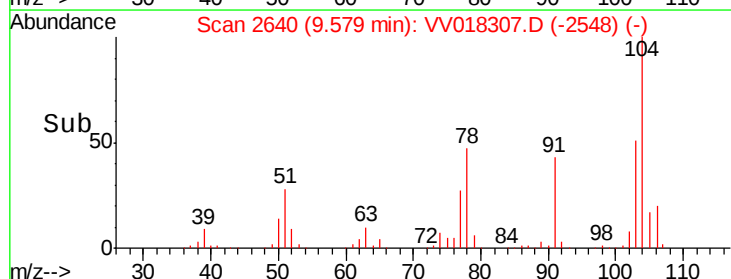
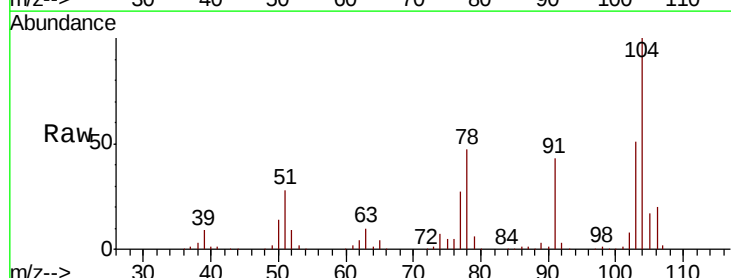
Instrument :
MSVOA_V
ClientSampleId :
VSTD05077

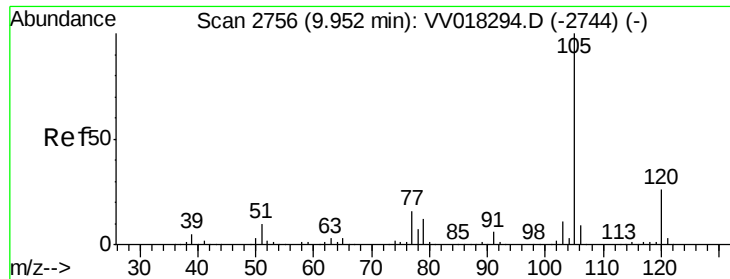
Tot Ion:106 Resp: 175020
Ion Ratio Lower Upper
106 100
91 219.6 152.2 282.6



#55
Styrene
Concen: 51.462 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018307.D
Acq: 18 Sep 2020 02:16

Tgt Ion:104 Resp: 312324
Ion Ratio Lower Upper
104 100
78 46.6 31.4 58.2





#56

Isopropylbenzene

Concen: 50.207 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

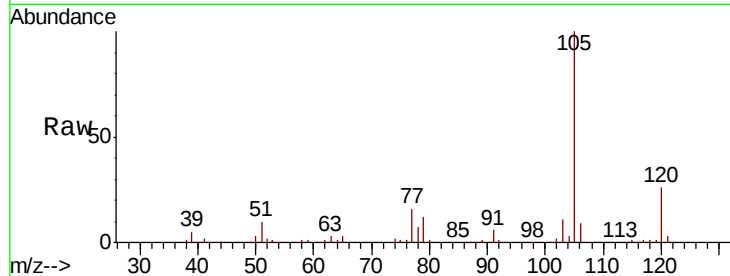
Tot Ion:105 Resp: 472479

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

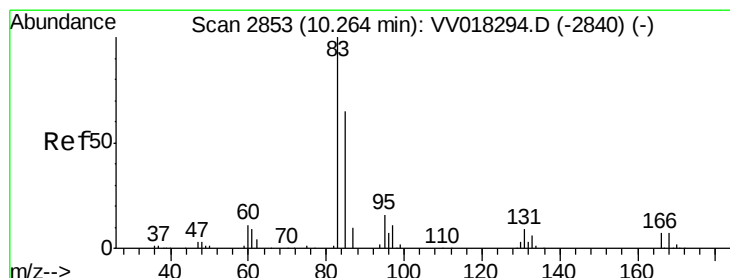
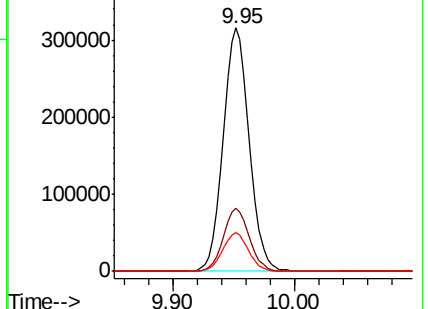
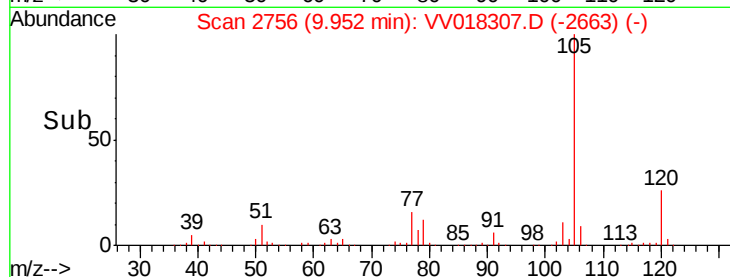
77 15.8 12.5 18.7



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): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.977 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

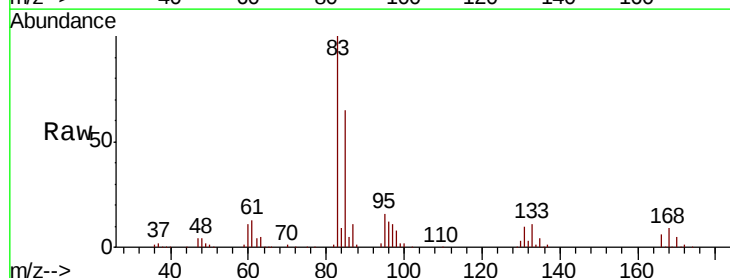
Tgt Ion: 83 Resp: 158713

Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.2

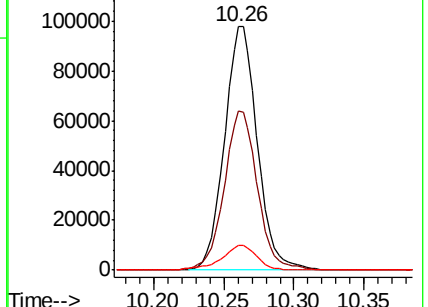
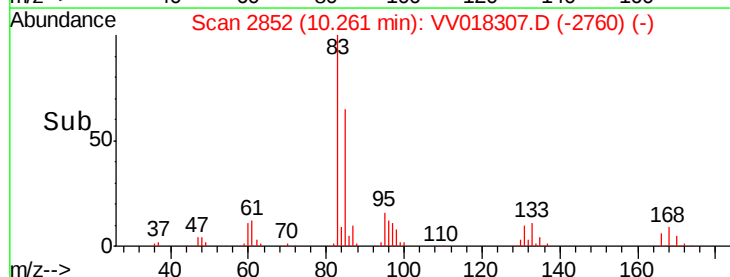
131 10.1 8.0 12.0

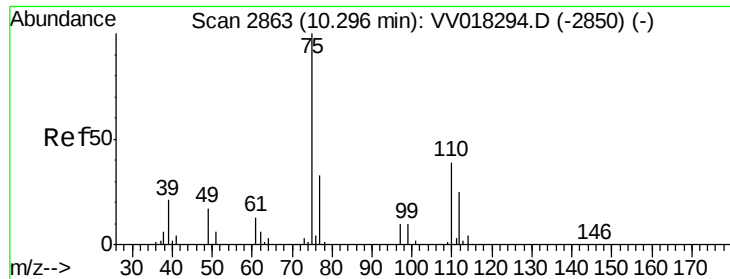


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 49.523 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

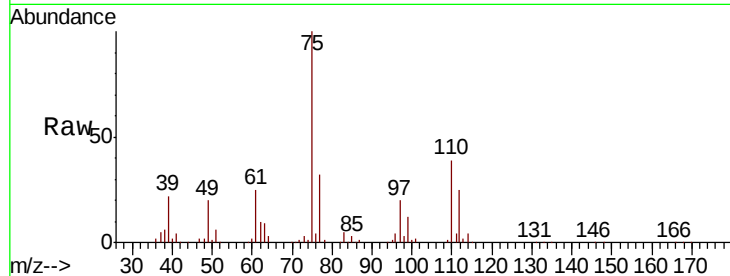
VSTD05077

Tot Ion: 75 Resp: 129724

Ion Ratio Lower Upper

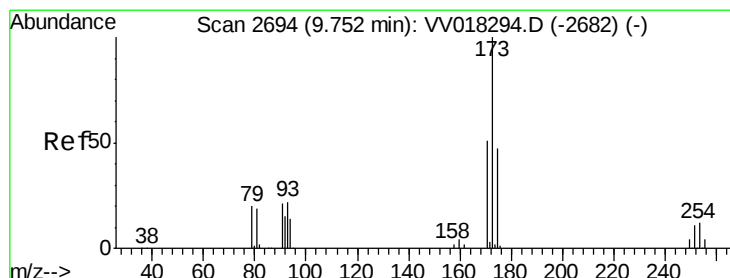
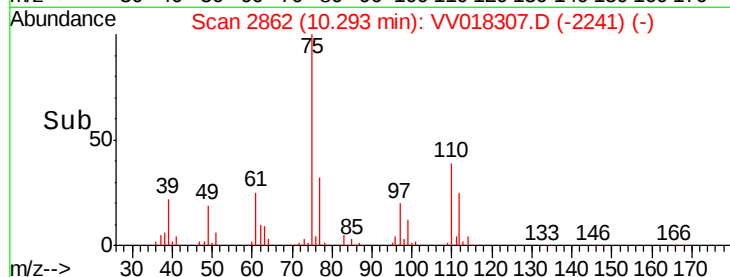
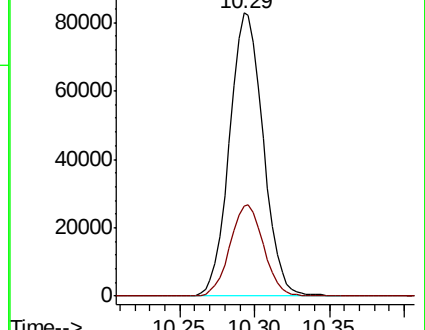
75 100

77 32.2 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018307.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV018307.D (-2241) (-)



#61

Bromoform

Concen: 47.882 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

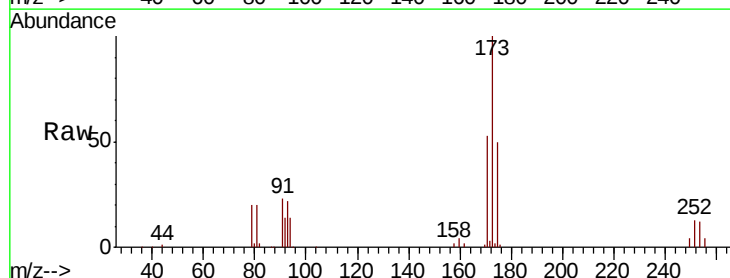
Tgt Ion: 173 Resp: 83233

Ion Ratio Lower Upper

173 100

175 49.8 39.0 58.6

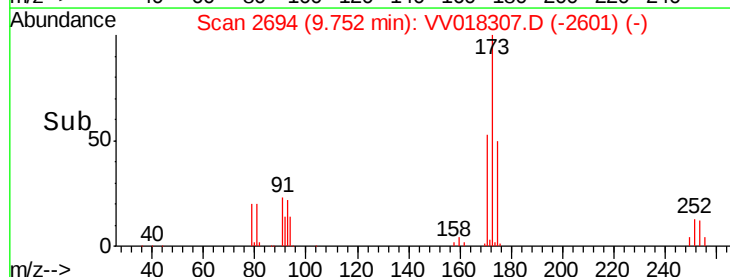
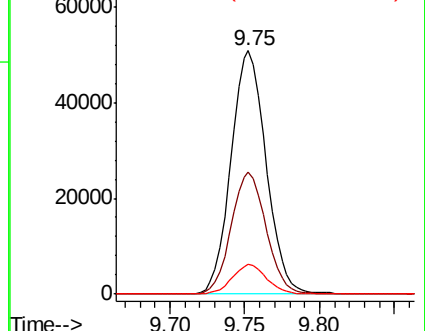
254 11.7 9.0 13.4

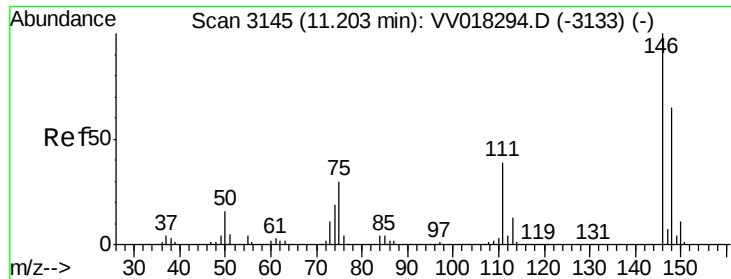


Abundance Ion 173.00 (172.70 to 173.70): VV018307.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV018307.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV018307.D (-2601) (-)





#62

1,3-Dichlorobenzene

Concen: 48.195 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

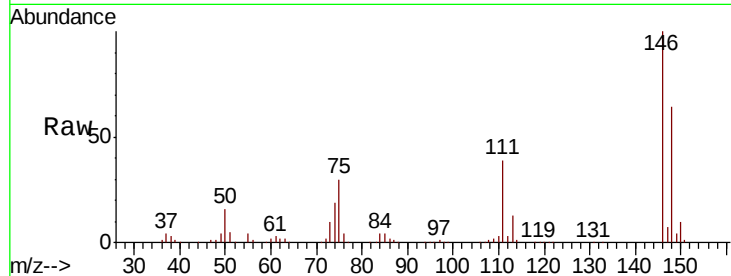
Tot Ion:146 Resp: 231893

Ion Ratio Lower Upper

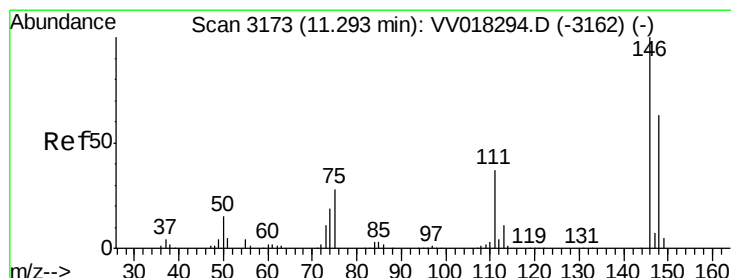
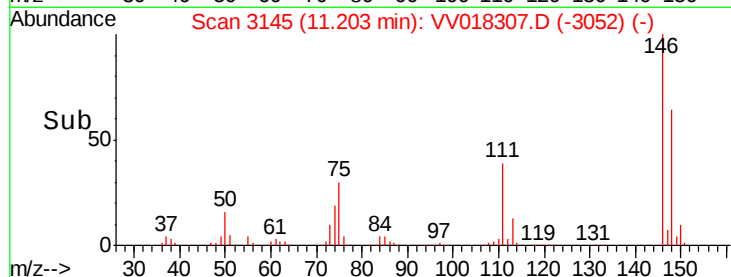
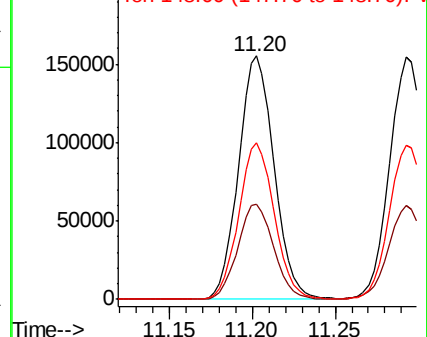
146 100

111 39.1 27.6 51.2

148 64.3 45.4 84.2



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: 47.752 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

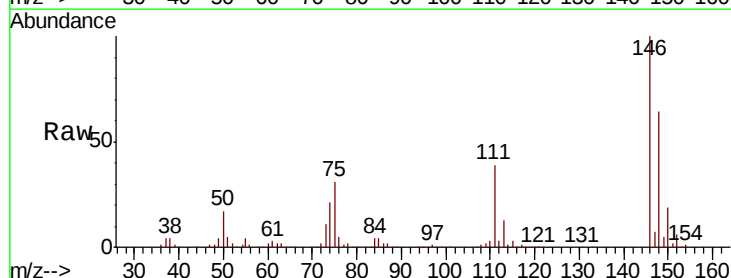
Tgt Ion:146 Resp: 236162

Ion Ratio Lower Upper

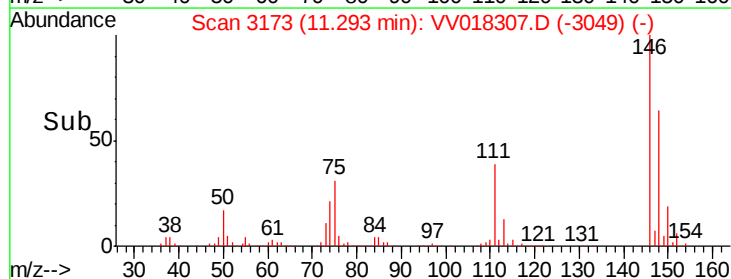
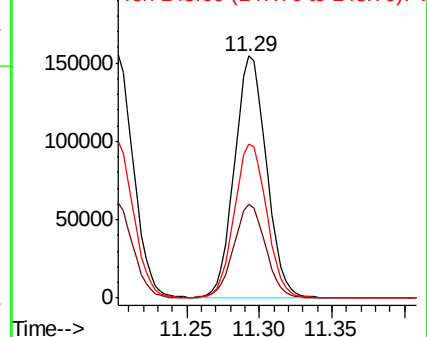
146 100

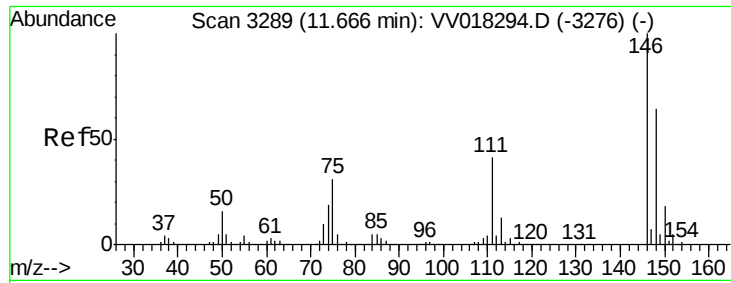
111 38.9 27.1 50.3

148 63.9 45.4 84.2



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





#65

1,2-Dichlorobenzene

Concen: 47.412 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

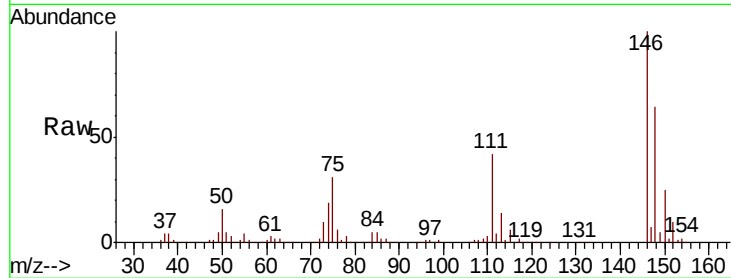
Tot Ion:146 Resp: 230583

Ion Ratio Lower Upper

146 100

111 42.4 32.8 49.2

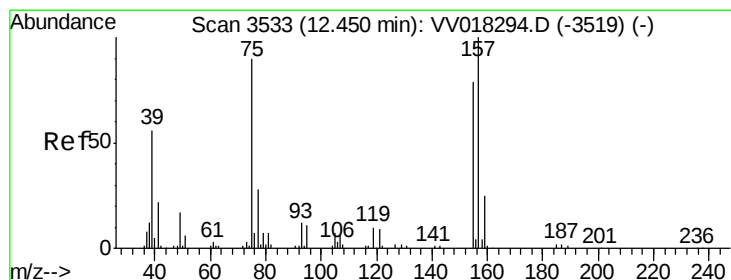
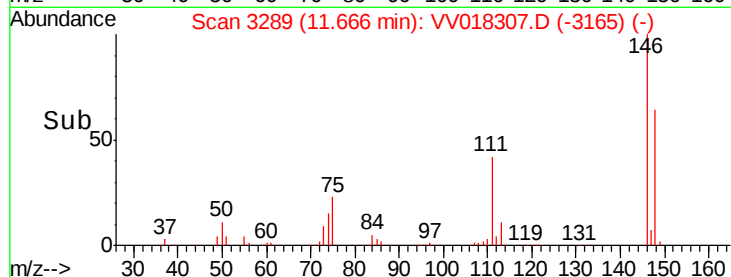
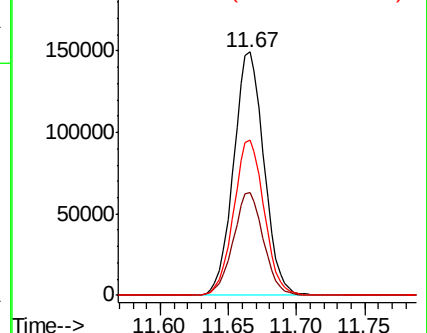
148 64.0 50.7 76.1



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: 50.465 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

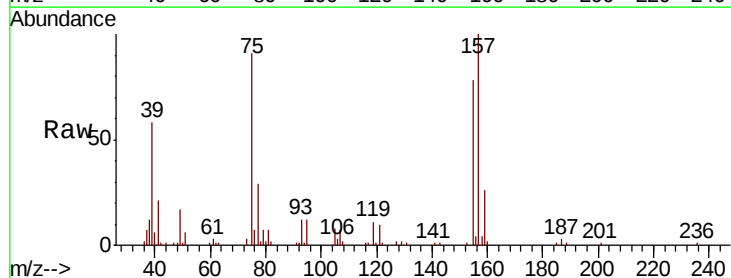
Tgt Ion: 75 Resp: 34634

Ion Ratio Lower Upper

75 100

155 85.4 69.7 104.5

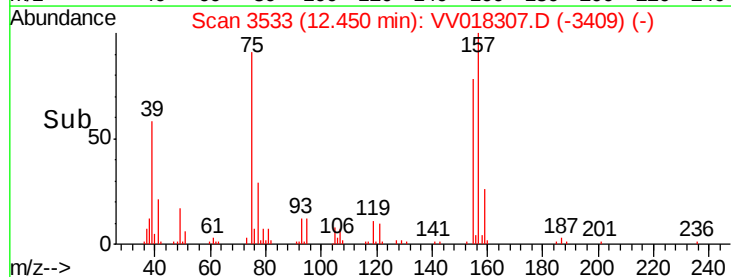
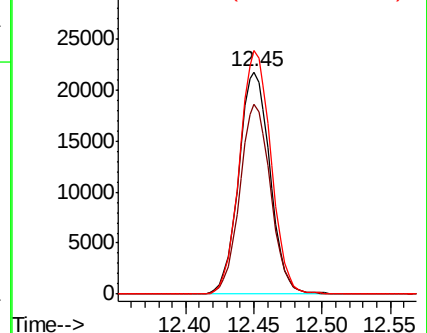
157 109.6 88.2 132.4

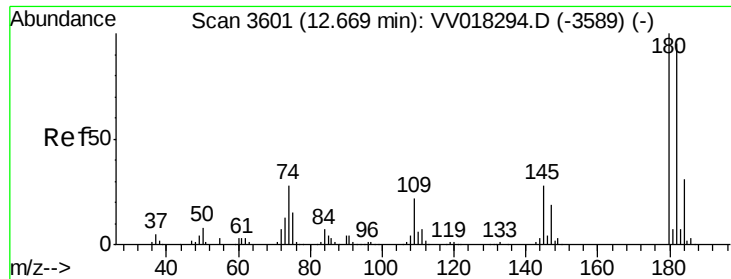


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

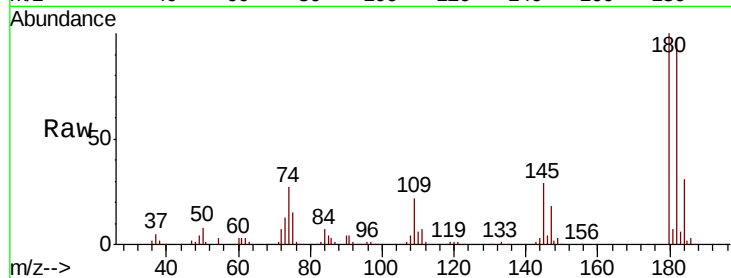




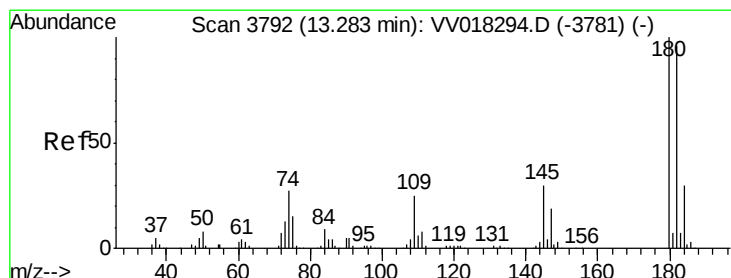
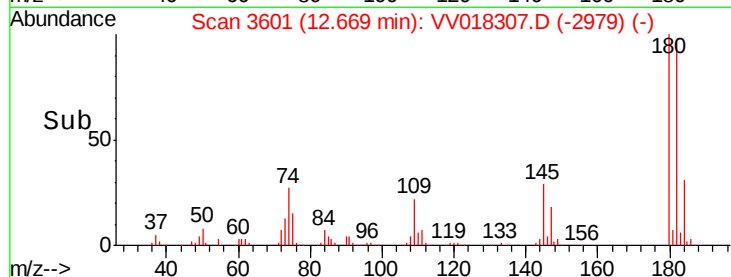
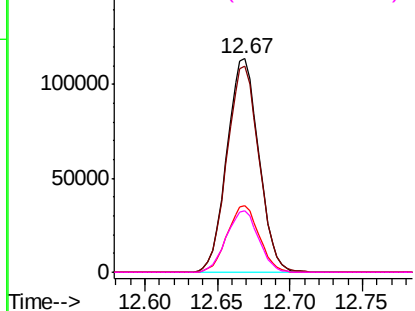
#67
 1,3,5-Trichlorobenzene
 Concen: 45.871 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05077

Tot Ion:180 Resp: 174000
 Ion Ratio Lower Upper
 180 100
 182 96.9 76.8 115.2
 184 31.0 24.6 36.8
 145 28.8 22.7 34.1

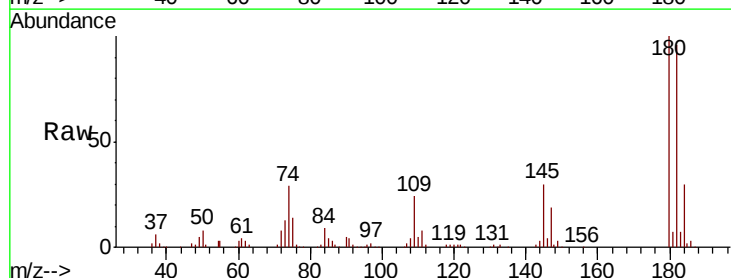


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

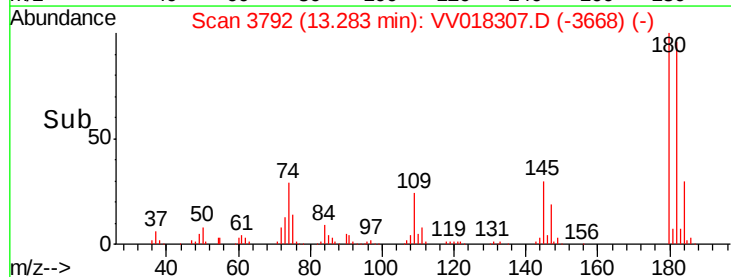
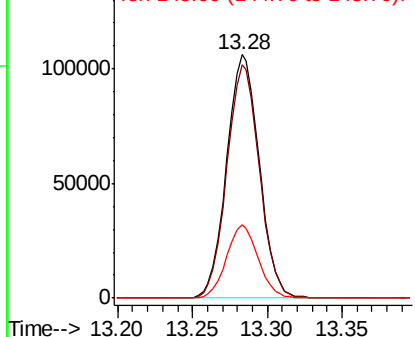


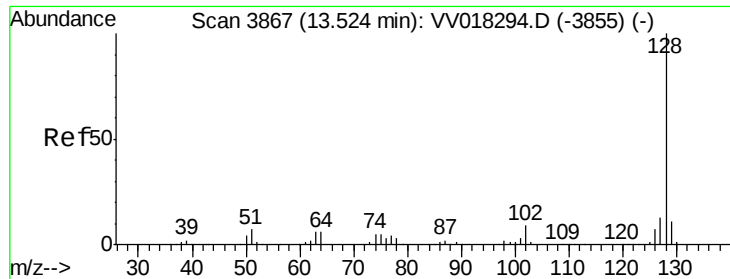
#68
 1,2,4-trichlorobenzene
 Concen: 47.812 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018307.D
 Acq: 18 Sep 2020 02:16

Tgt Ion:180 Resp: 161501
 Ion Ratio Lower Upper
 180 100
 182 95.5 77.4 116.2
 145 29.2 23.2 34.8



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: 55.557 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

Instrument :

MSVOA_V

ClientSampleId :

VSTD05077

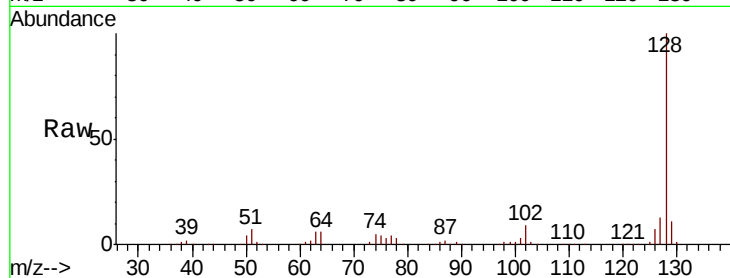
Tot Ion:128 Resp: 474852

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

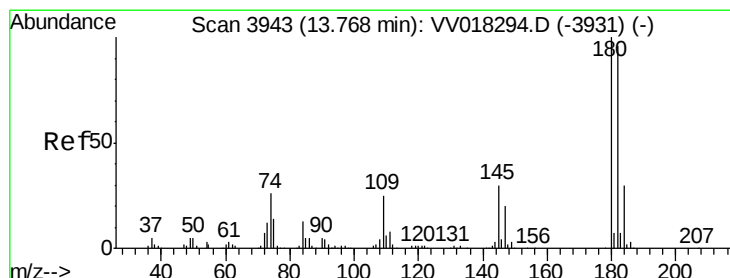
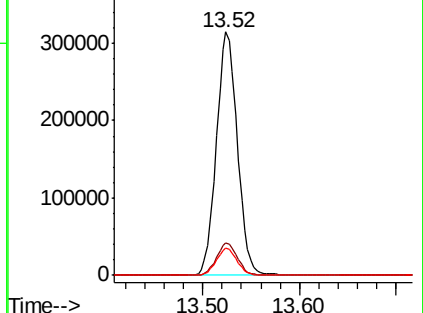
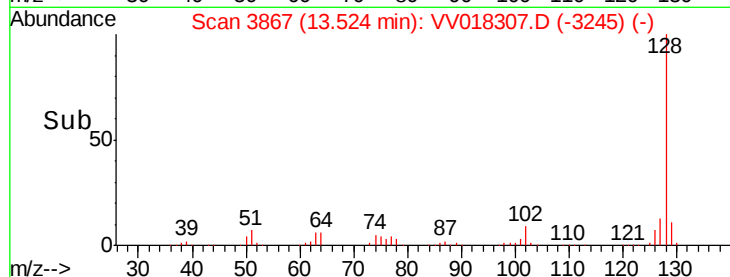
129 11.0 8.6 13.0



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: 49.968 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018307.D

Acq: 18 Sep 2020 02:16

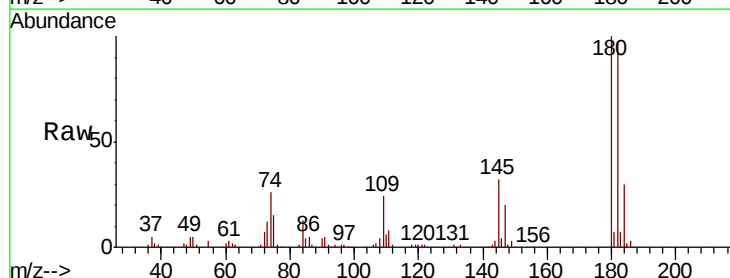
Tgt Ion:180 Resp: 166241

Ion Ratio Lower Upper

180 100

182 96.5 76.5 114.7

145 31.5 24.9 37.3



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

