

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091720\
 Data File : VV018294.D
 Acq On : 17 Sep 2020 21:00
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Sep 18 06:21:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Sep 18 06:17:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	294625	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	294060	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161747	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	91077	37.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.86%
7) Chloroethane-d5	1.58	69	76801	39.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.18%
11) 1,1-Dichloroethene-d2	2.12	63	189064	42.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.86%
21) 2-Butanone-d5	3.92	46	131324	89.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	89.36%
24) Chloroform-d	4.38	84	183276	43.99	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	87.98%
26) 1,2-Dichloroethane-d4	5.06	65	114507	42.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	85.76%
32) Benzene-d6	5.08	84	349774	41.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	83.10%
36) 1,2-Dichloropropane-d6	6.09	67	110990	41.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	82.98%
41) Toluene-d8	7.34	98	328429	42.81	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	85.62%
43) trans-1,3-Dichloropropene-	7.64	79	56124	41.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	82.58%
47) 2-Hexanone-d5	8.11	63	97392	96.13	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	96.13%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	155278	46.25	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	92.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	138367	41.65	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	83.30%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	103385	48.122	ug/L	98
3) Chloromethane	1.25	50	117839	50.232	ug/L	99
5) Vinyl chloride	1.32	62	118231	49.148	ug/L	100
6) Bromomethane	1.53	94	72948	49.613	ug/L	100
8) Chloroethane	1.60	64	75723	50.249	ug/L	99
9) Trichlorofluoromethane	1.77	101	167577	50.630	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	99418	50.006	ug/L	100
12) 1,1-Dichloroethene	2.13	96	96687	49.980	ug/L	99
13) Acetone	2.20	43	99031	84.151	ug/L	99
14) Carbon disulfide	2.31	76	279801	47.268	ug/L	99
15) Methyl Acetate	2.45	43	108128	51.127	ug/L	100
16) Methylene chloride	2.52	84	113707	52.410	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	99170	49.743	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	308319	49.994	ug/L	100
19) 1,1-Dichloroethane	3.21	63	190798	50.617	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	107182	50.293	ug/L	98
22) 2-Butanone	4.00	43	145428	104.359	ug/L	97

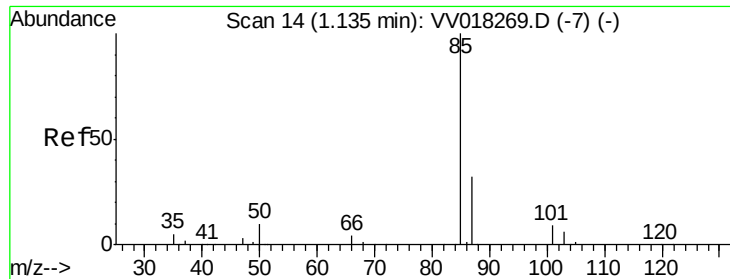
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091720\
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 QLast Update : Fri Sep 18 06:17:41 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	56385	50.567	ug/L	98
25) Chloroform	4.40	83	191668	50.023	ug/L	99
27) 1,2-Dichloroethane	5.16	62	152412	51.382	ug/L	99
29) Cyclohexane	4.71	56	169939	50.047	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	168043	49.241	ug/L	99
31) Carbon tetrachloride	4.86	117	146497	48.820	ug/L	98
33) Benzene	5.13	78	424560	50.498	ug/L	100
34) Trichloroethene	5.94	95	108131	47.212	ug/L	99
35) Methylcyclohexane	6.16	83	170361	49.403	ug/L	99
37) 1,2-Dichloropropane	6.20	63	111845	50.202	ug/L	99
38) Bromodichloromethane	6.53	83	143312	49.431	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	166935	48.631	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	287106	106.225	ug/L	100
42) Toluene	7.41	91	452812	50.893	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	165379	49.481	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	104454	50.584	ug/L	99
46) Tetrachloroethene	8.00	164	89203	49.674	ug/L	98
48) 2-Hexanone	8.16	43	223306	104.797	ug/L	99
49) Dibromochloromethane	8.27	129	115988	50.040	ug/L	98
50) 1,2-Dibromoethane	8.37	107	109847	50.544	ug/L	99
51) Chlorobenzene	8.90	112	290388	50.255	ug/L	99
52) Ethylbenzene	9.03	91	497599	51.226	ug/L	99
53) m,p-Xylene	9.16	106	187114	51.607	ug/L	98
54) o-xylene	9.56	106	181169	51.867	ug/L	99
55) Styrene	9.58	104	323646	53.308	ug/L	100
56) Isopropylbenzene	9.95	105	488074	51.846	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	166830	54.616	ug/L	100
59) 1,2,3-Trichloropropane	10.30	75	136237	51.991	ug/L	100
61) Bromoform	9.75	173	87296	50.239	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	238608	49.610	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	248627	50.292	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	239161	49.195	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	37043	53.996	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	185342	48.881	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	171749	50.866	ug/L	99
69) Naphthalene	13.52	128	500198	58.546	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	174745	52.545	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 48.122 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampled :

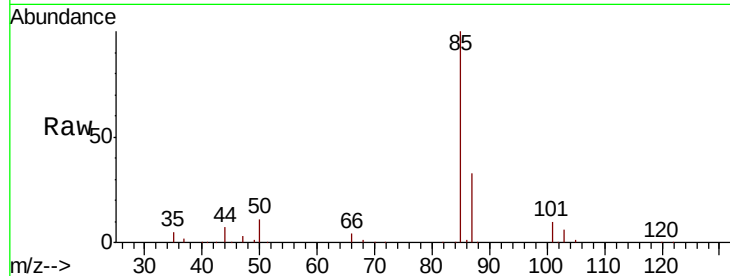
VSTD05076

Tot Ion: 85 Resp: 103385

Ion Ratio Lower Upper

85 100

87 33.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018269.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018269.D (-7) (-)

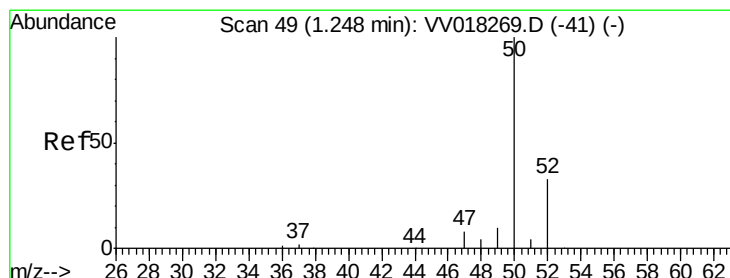
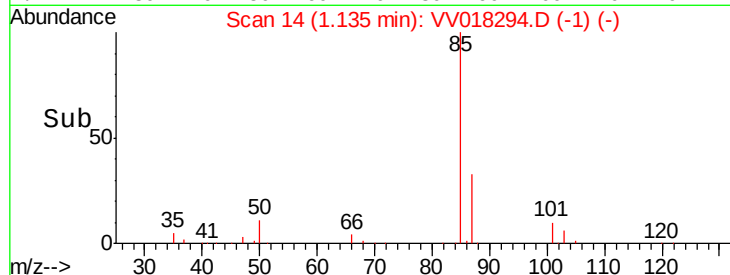
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 50.232 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018294.D

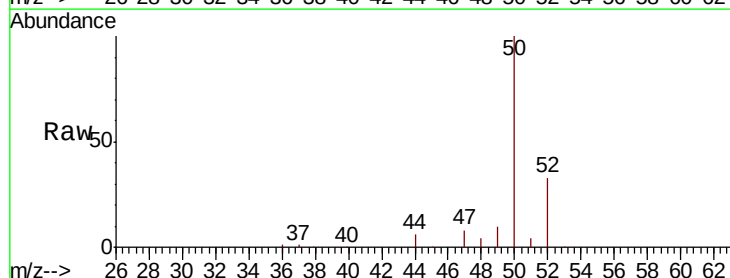
Acq: 17 Sep 2020 21:00

Tgt Ion: 50 Resp: 117839

Ion Ratio Lower Upper

50 100

52 33.1 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018269.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV018269.D (-41) (-)

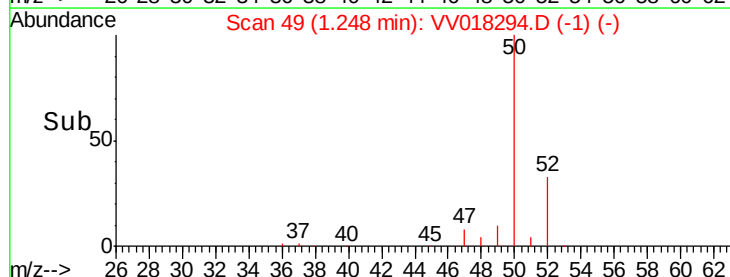
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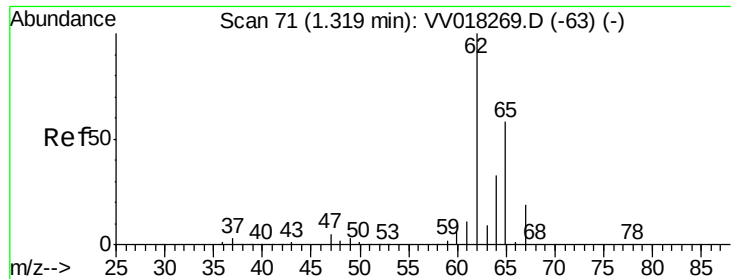
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.148 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

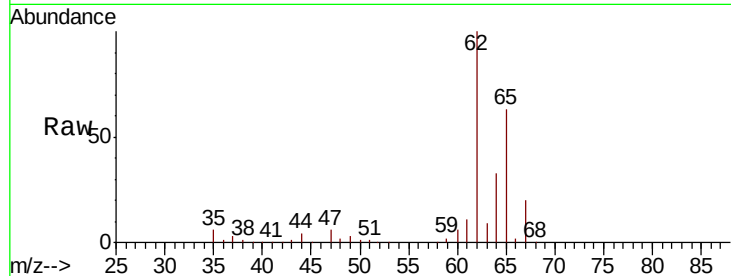
VSTD05076

Tot Ion: 62 Resp: 118231

Ion Ratio Lower Upper

62 100

64 32.9 23.1 42.9



Abundance Ion 62.00 (61.70 to 62.70): VV018269.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV018294.D (-44) (-)

1.32

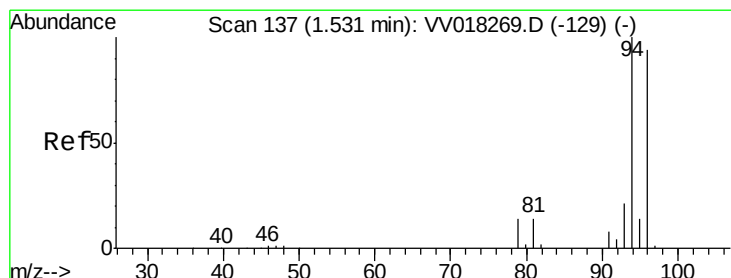
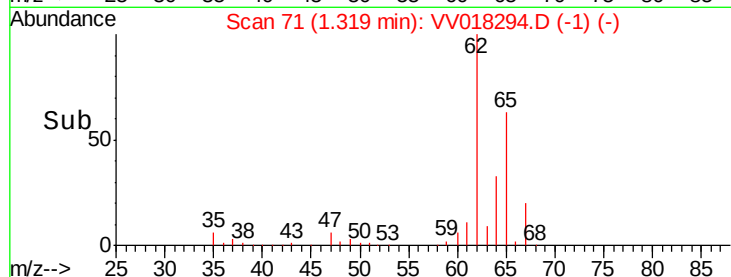
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 49.613 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV018294.D

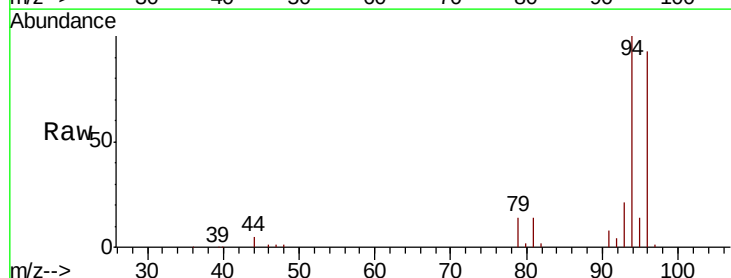
Acq: 17 Sep 2020 21:00

Tgt Ion: 94 Resp: 72948

Ion Ratio Lower Upper

94 100

96 92.7 65.1 120.9



Abundance Ion 94.00 (93.70 to 94.70): VV018269.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018294.D (-44) (-)

1.53

60000

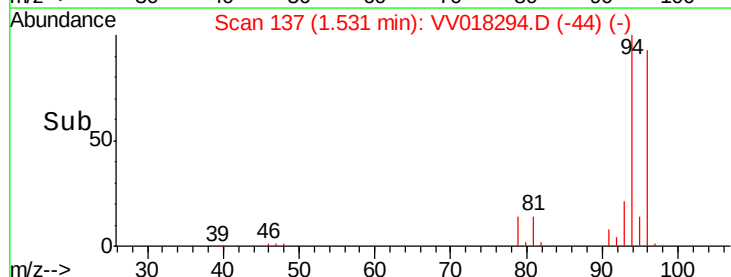
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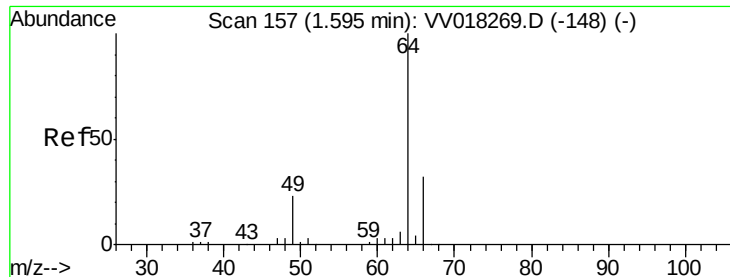
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 50.249 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

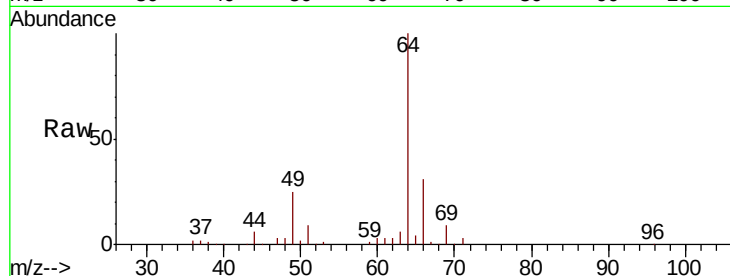
VSTD05076

Tot Ion: 64 Resp: 75723

Ion Ratio Lower Upper

64 100

66 31.4 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018269.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018294.D (-33) (-)

1.60

60000

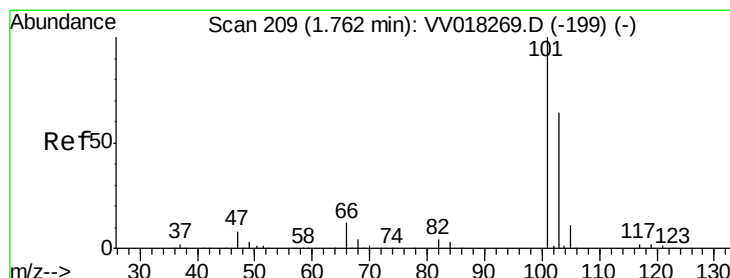
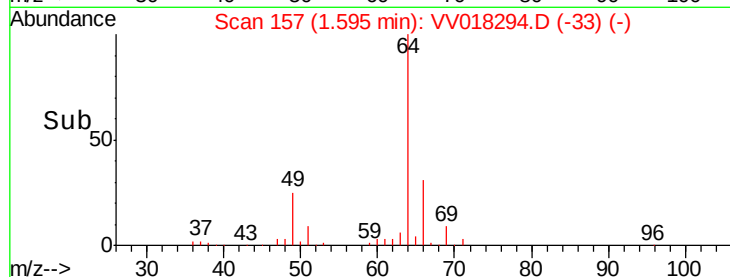
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 50.630 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018294.D

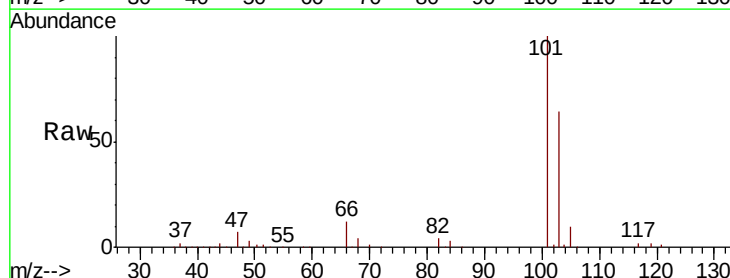
Acq: 17 Sep 2020 21:00

Tgt Ion: 101 Resp: 167577

Ion Ratio Lower Upper

101 100

103 64.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018269.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018294.D (-85) (-)

1.77

150000

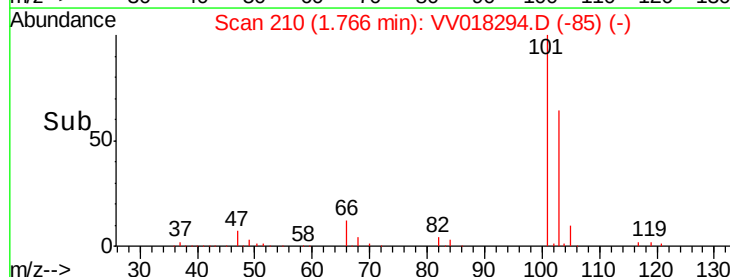
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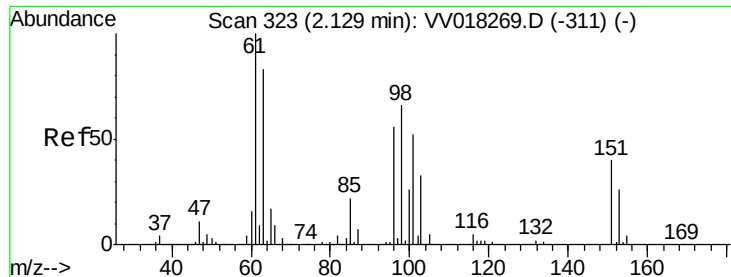
50000

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Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 50.006 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

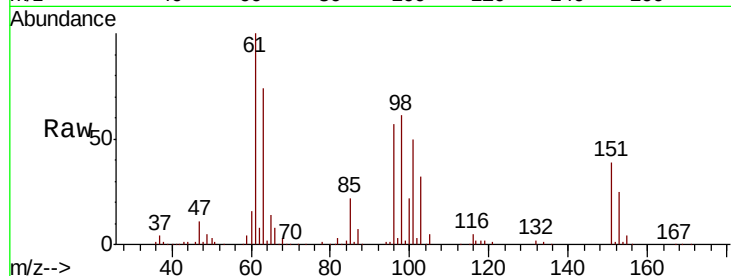
Tot Ion:101 Resp: 99418

Ion Ratio Lower Upper

101 100

85 42.6 33.5 50.3

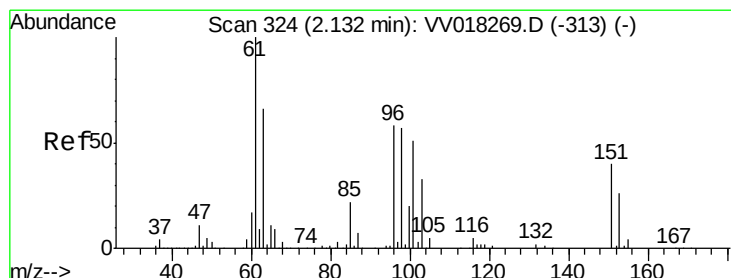
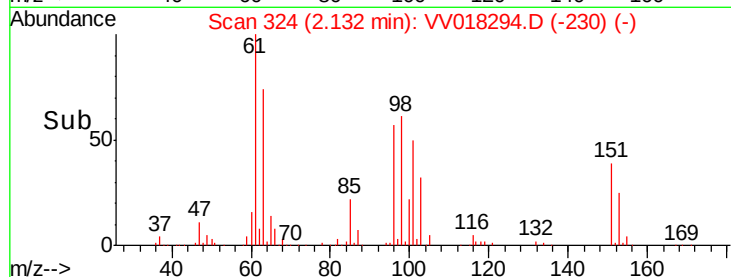
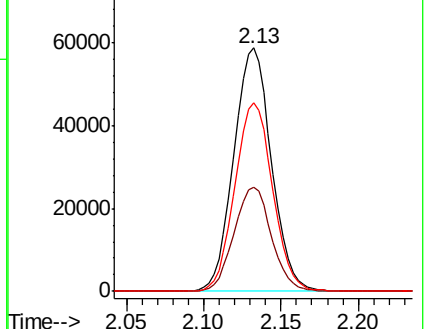
151 77.8 62.2 93.2



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: 49.980 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

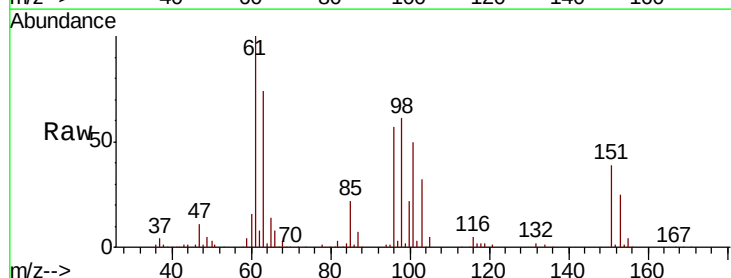
Tgt Ion: 96 Resp: 96687

Ion Ratio Lower Upper

96 100

61 174.4 122.9 228.3

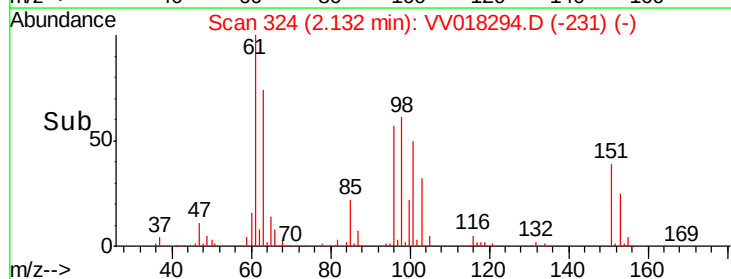
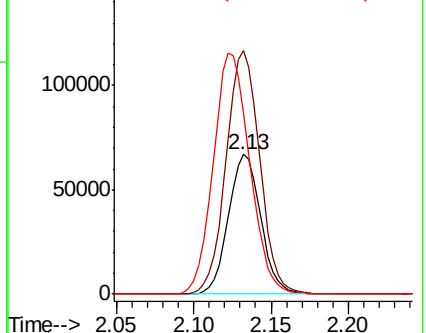
63 129.4 91.9 170.7

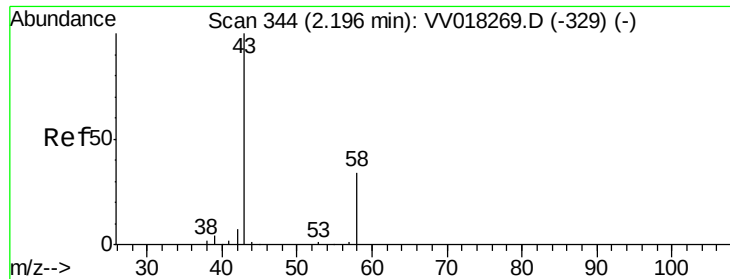


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 84.151 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

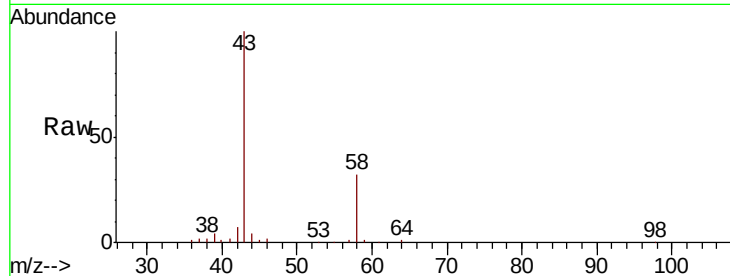
VSTD05076

Tot Ion: 43 Resp: 99031

Ion Ratio Lower Upper

43 100

58 33.3 0.0 67.4



Abundance Ion 43.00 (42.70 to 43.70): VV018269.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018269.D (-329) (-)

2.20

40000

30000

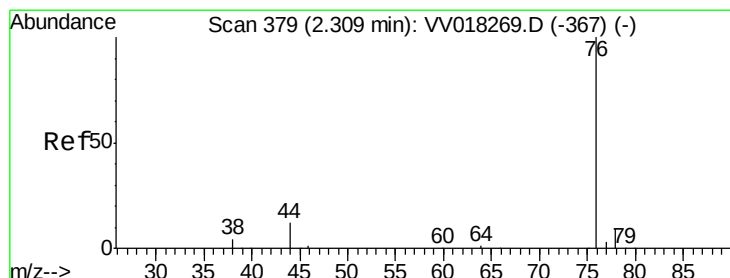
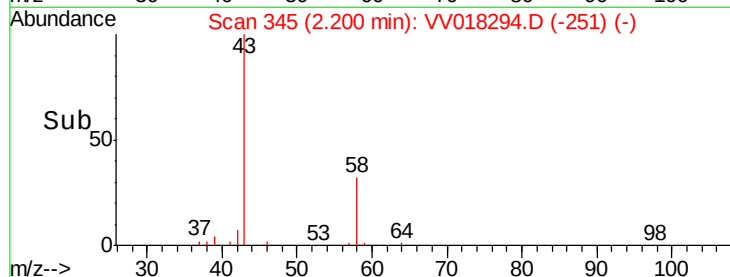
20000

10000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 47.268 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018294.D

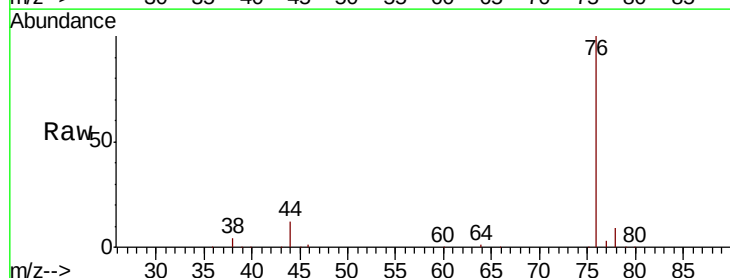
Acq: 17 Sep 2020 21:00

Tgt Ion: 76 Resp: 279801

Ion Ratio Lower Upper

76 100

78 8.9 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV018269.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018269.D (-367) (-)

2.31

200000

150000

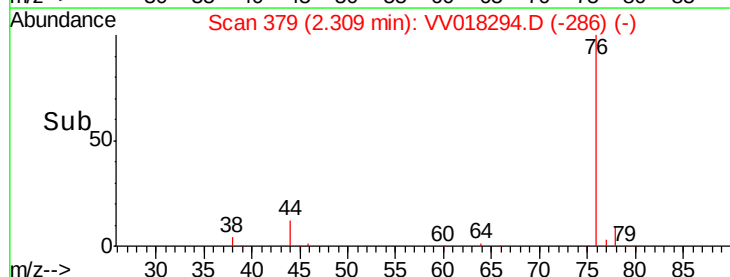
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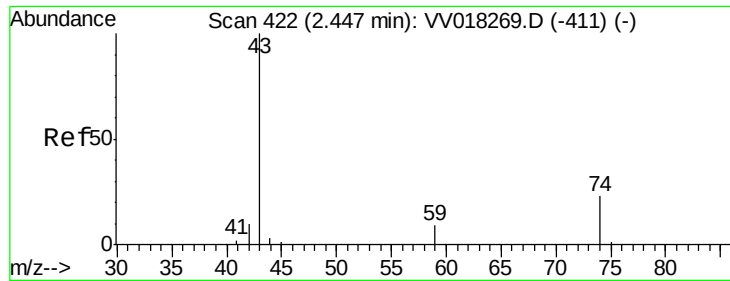
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Time-->

2.20 2.30 2.40

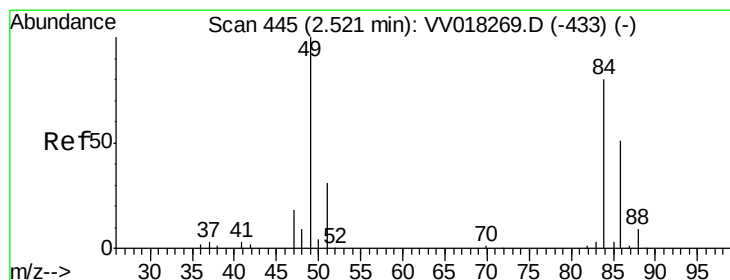
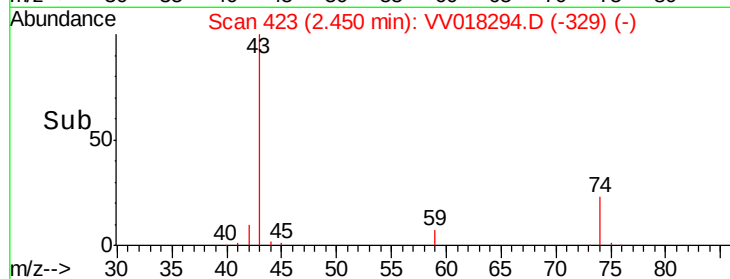
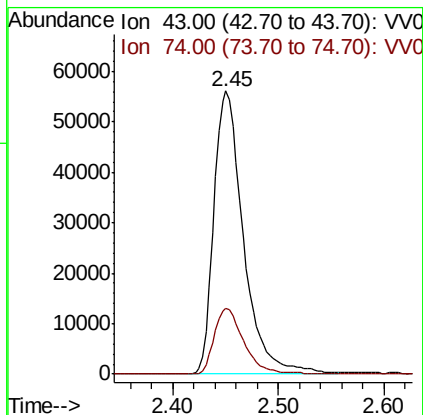
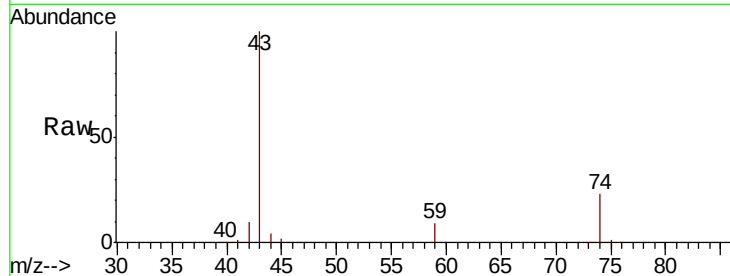




#15
Methyl Acetate
Concen: 51.127 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

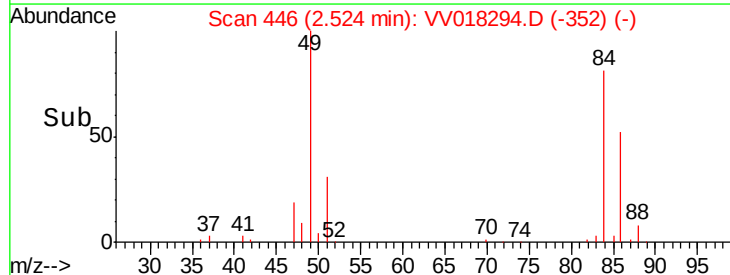
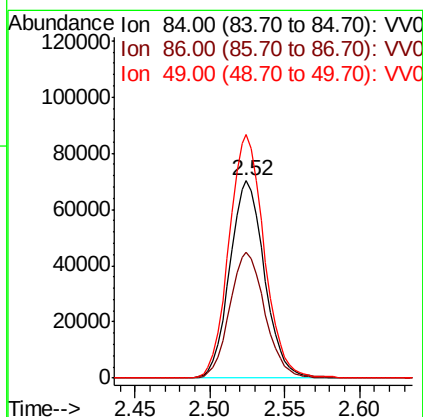
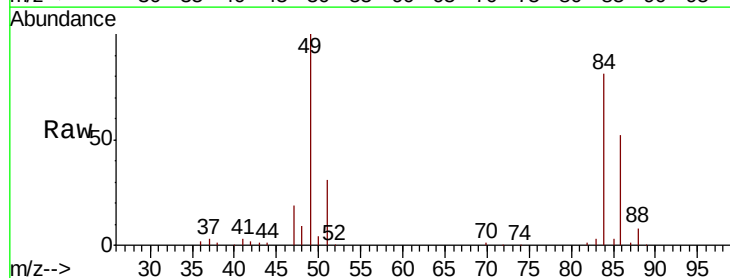
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

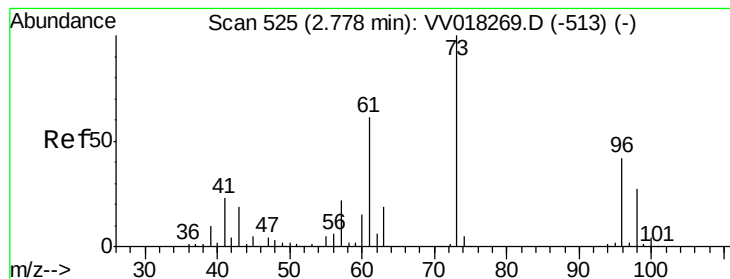
Tot Ion: 43 Resp: 108128
Ion Ratio Lower Upper
43 100
74 22.9 18.4 27.6



#16
Methylene chloride
Concen: 52.410 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Tgt Ion: 84 Resp: 113707
Ion Ratio Lower Upper
84 100
86 63.8 44.4 82.4
49 123.5 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 49.743 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampled :

VSTD05076

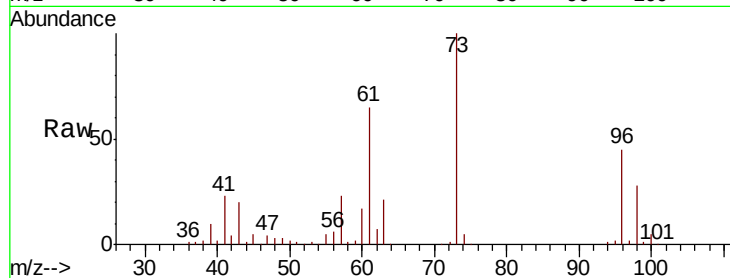
Tot Ion: 96 Resp: 99170

Ion Ratio Lower Upper

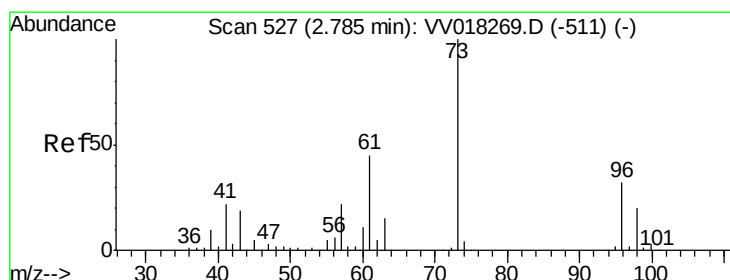
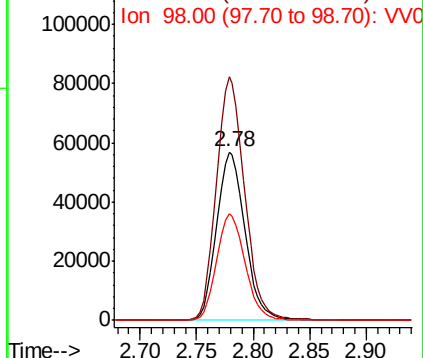
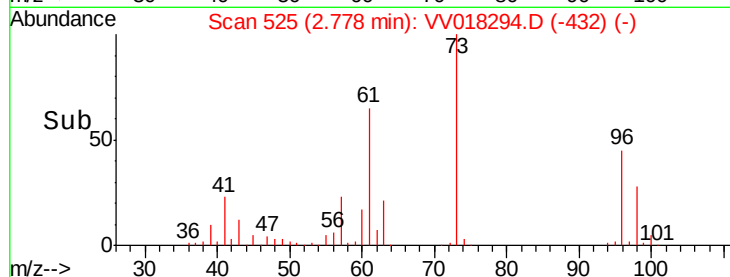
96 100

61 144.6 100.7 186.9

98 63.3 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018294.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 49.994 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

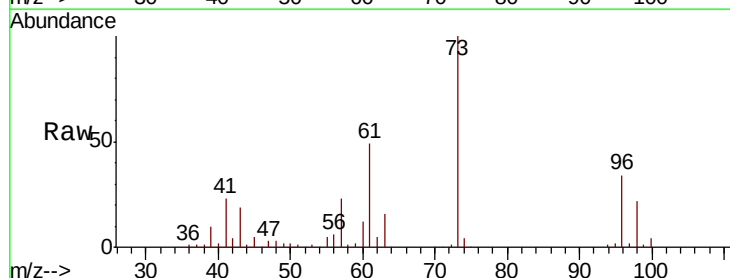
Tgt Ion: 73 Resp: 308319

Ion Ratio Lower Upper

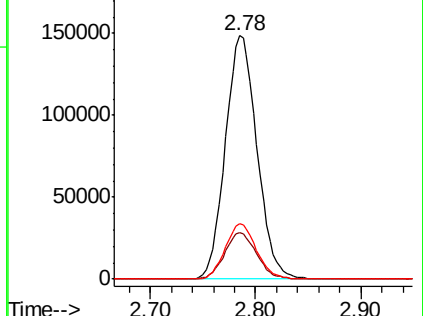
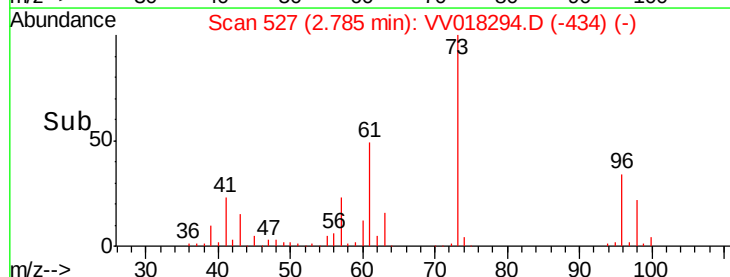
73 100

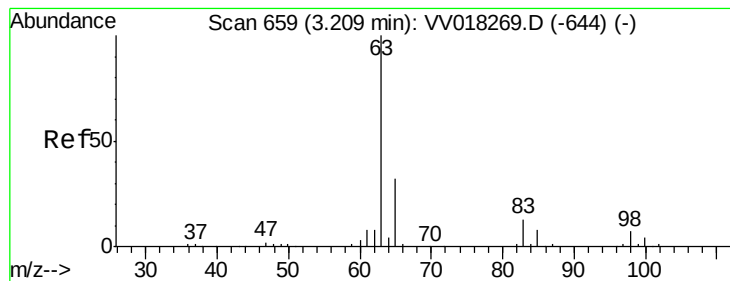
43 19.3 15.4 23.0

57 22.3 18.0 27.0



Abundance Ion 73.00 (72.70 to 73.70): VV018294.D (-434) (-)





#19

1,1-Dichloroethane

Concen: 50.617 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

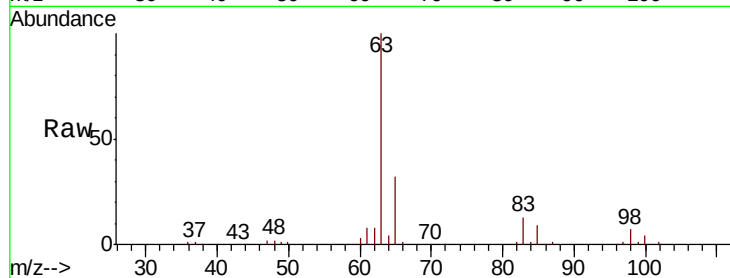
Tot Ion: 63 Resp: 190798

Ion Ratio Lower Upper

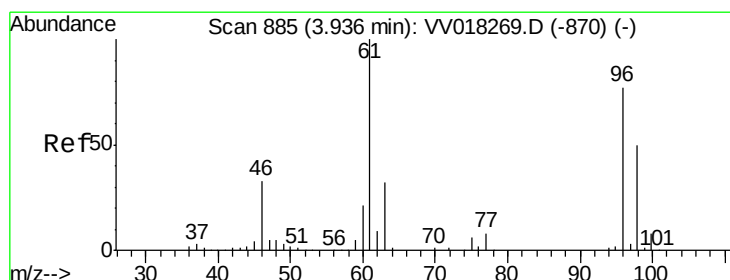
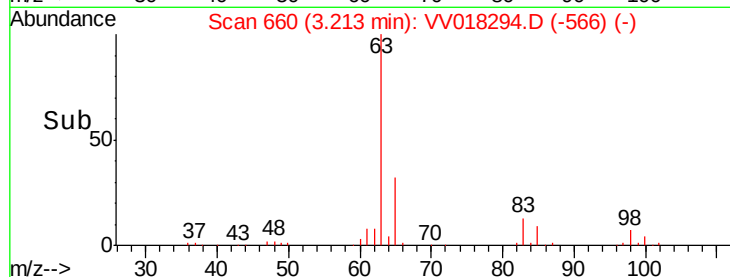
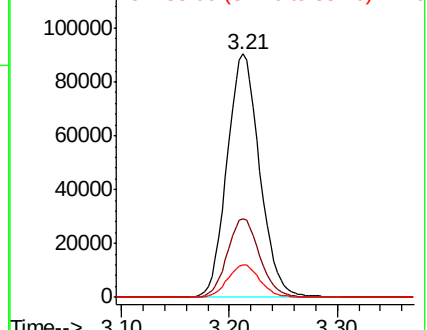
63 100

65 32.4 22.5 41.7

83 13.5 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: 50.293 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

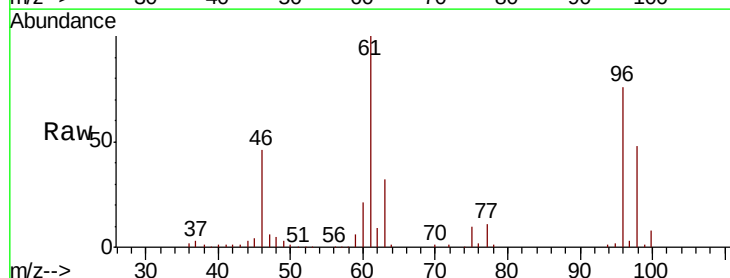
Tgt Ion: 96 Resp: 107182

Ion Ratio Lower Upper

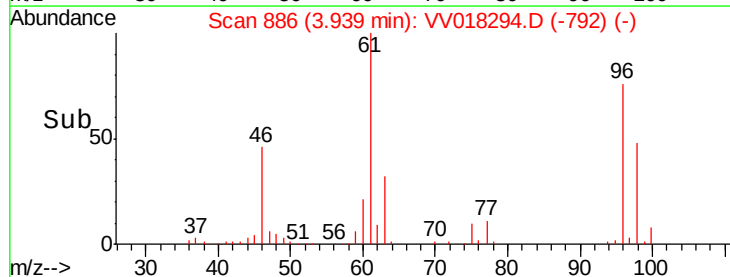
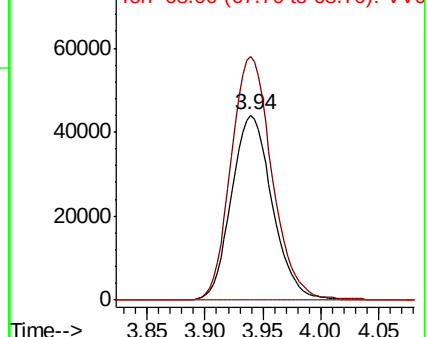
96 100

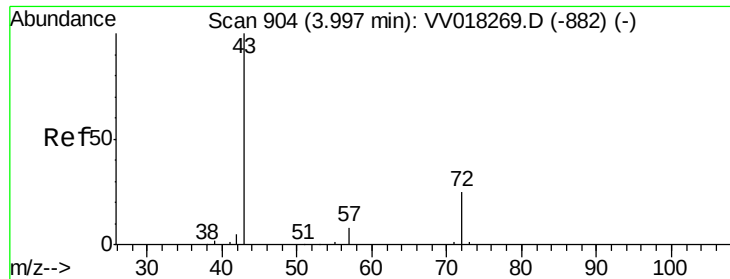
61 131.8 93.6 173.8

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: 104.359 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

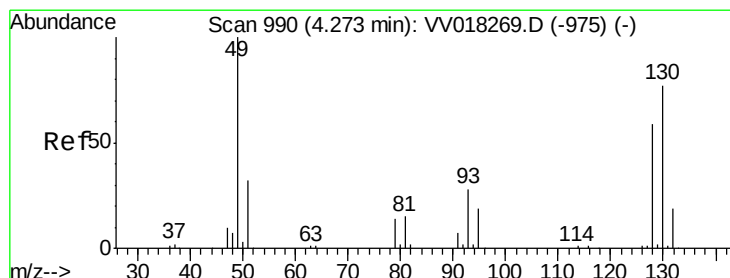
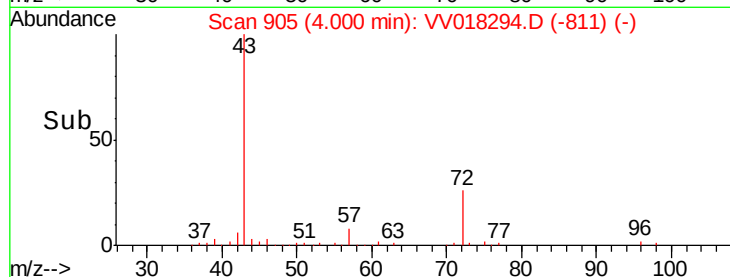
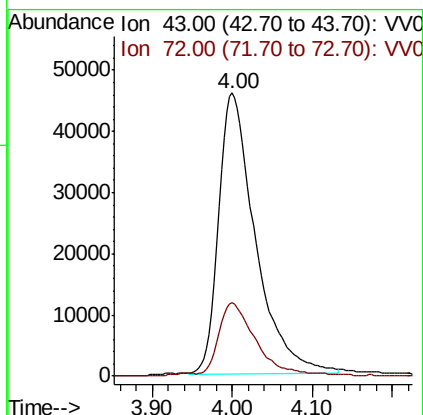
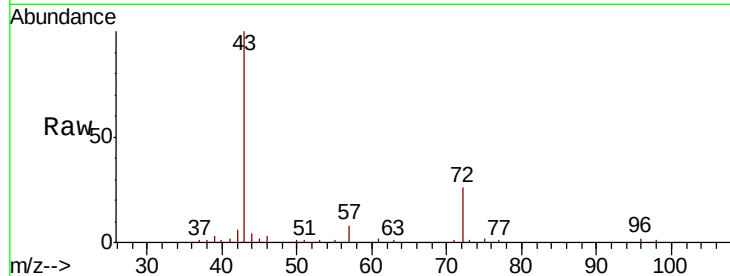
VSTD05076

Tot Ion: 43 Resp: 145428

Ion Ratio Lower Upper

43 100

72 24.5 13.1 39.3



#23

Bromochloromethane

Concen: 50.567 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Tgt Ion: 128 Resp: 56385

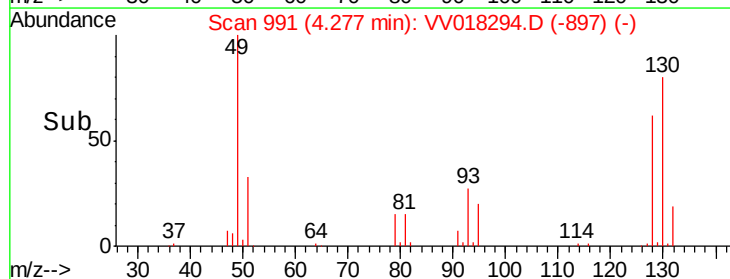
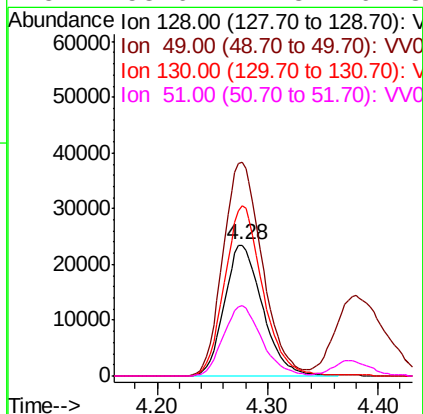
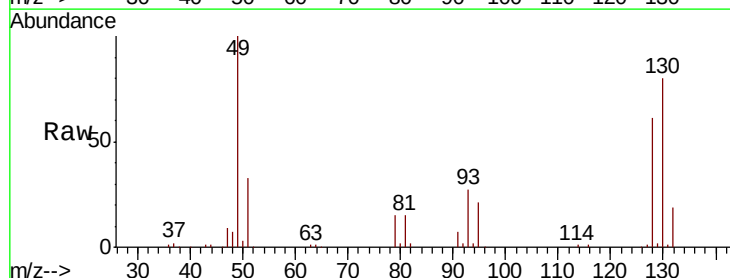
Ion Ratio Lower Upper

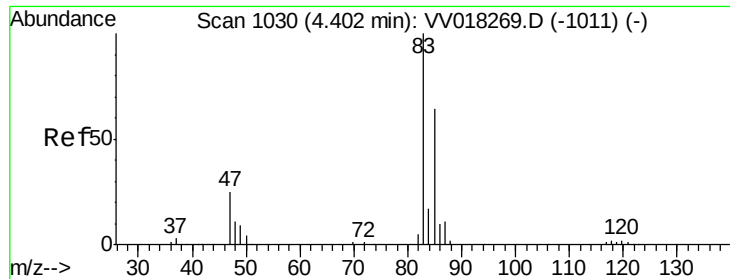
128 100

49 163.3 114.4 212.6

130 129.9 87.9 163.3

51 53.6 41.8 62.8

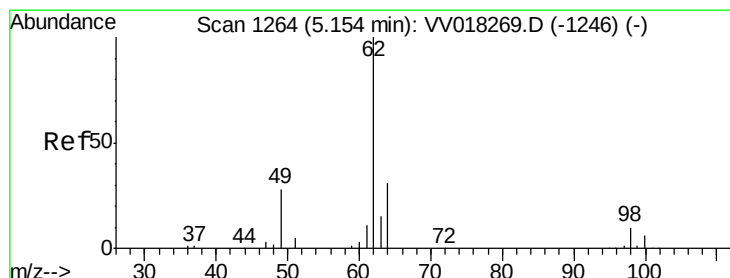
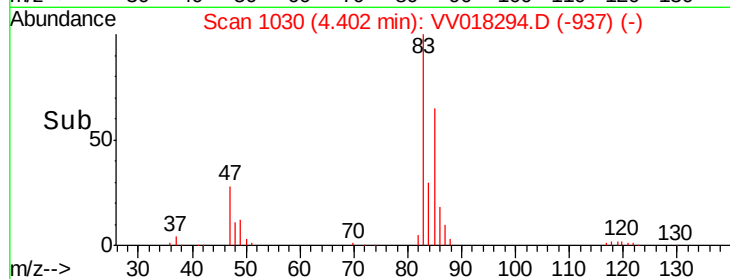
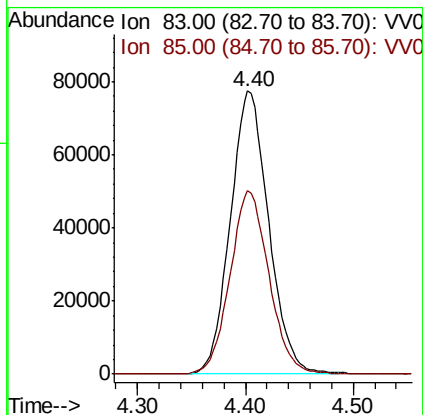
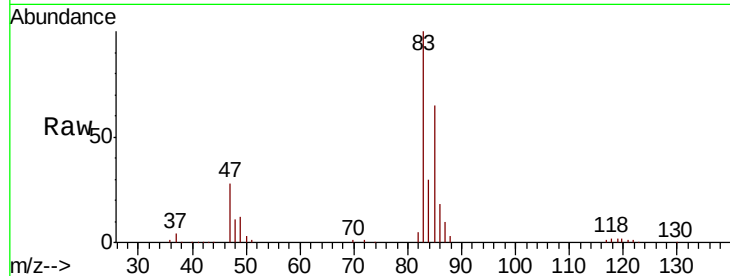




#25
Chloroform
Concen: 50.023 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

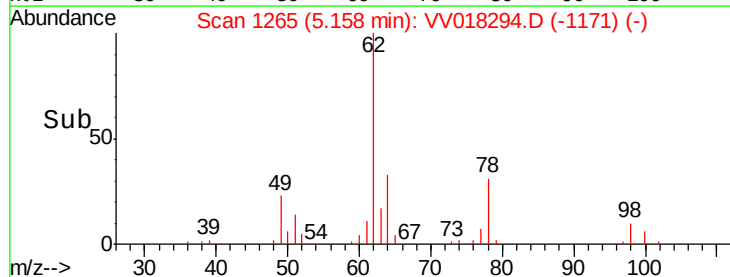
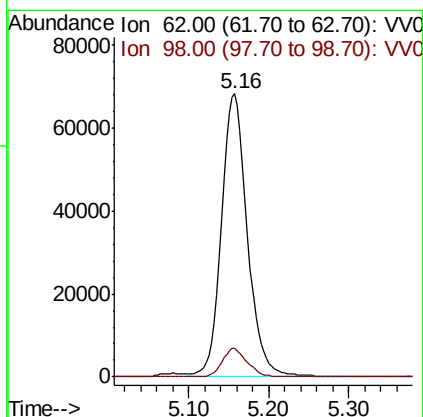
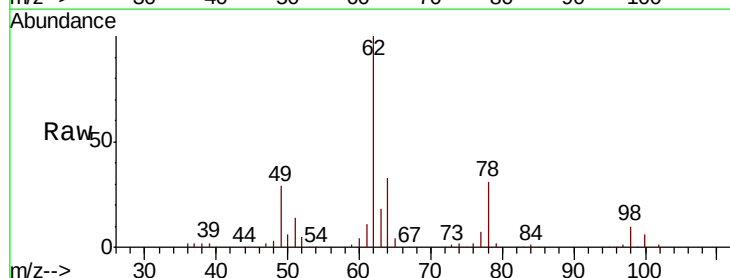
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

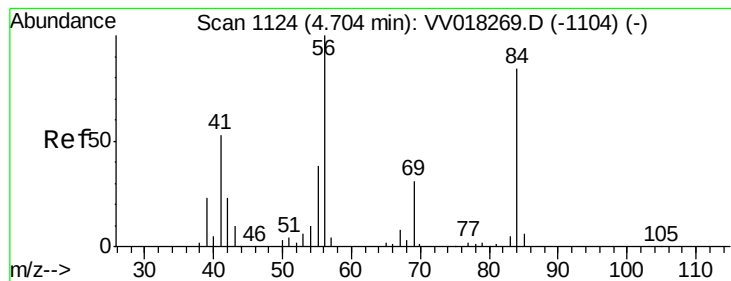
Tot Ion: 83 Resp: 191668
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 51.382 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Tgt Ion: 62 Resp: 152412
Ion Ratio Lower Upper
62 100
98 10.0 7.6 11.4





#29

Cyclohexane

Concen: 50.047 ug/L

RT: 4.71 min Scan# 1125

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

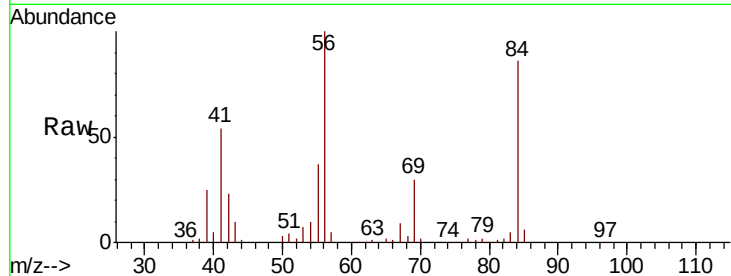
Tot Ion: 56 Resp: 169939

Ion Ratio Lower Upper

56 100

69 30.3 24.2 36.2

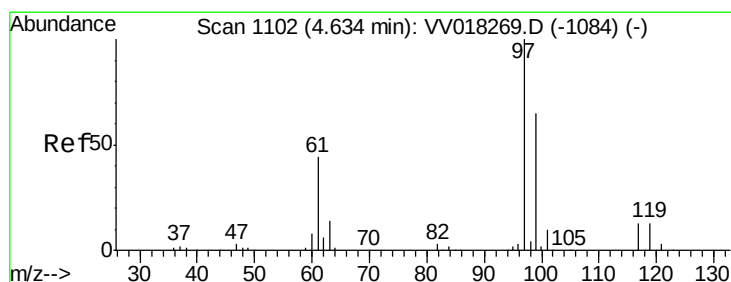
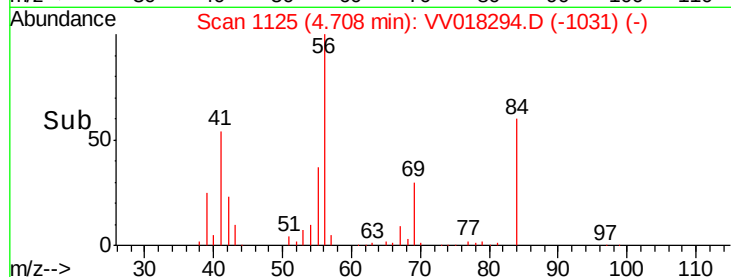
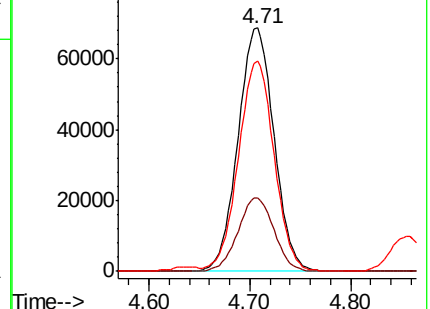
84 85.8 68.3 102.5



Abundance Ion 56.00 (55.70 to 56.70): VV018269.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV018269.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV018269.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 49.241 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

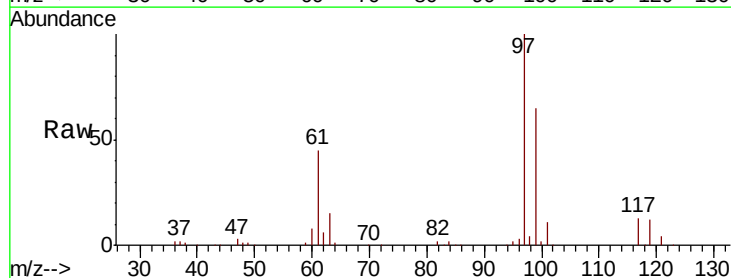
Tgt Ion: 97 Resp: 168043

Ion Ratio Lower Upper

97 100

99 64.4 51.6 77.4

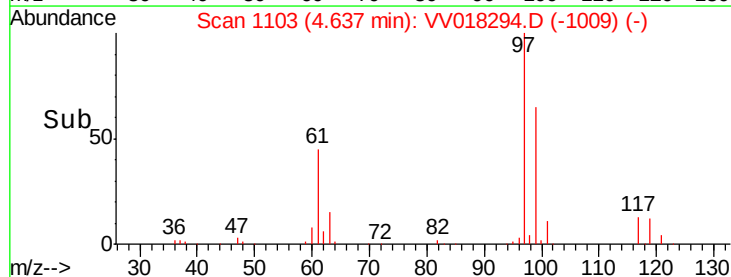
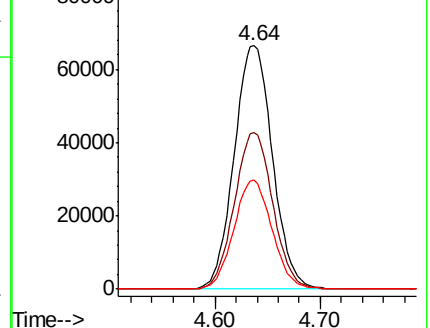
61 44.6 34.9 52.3

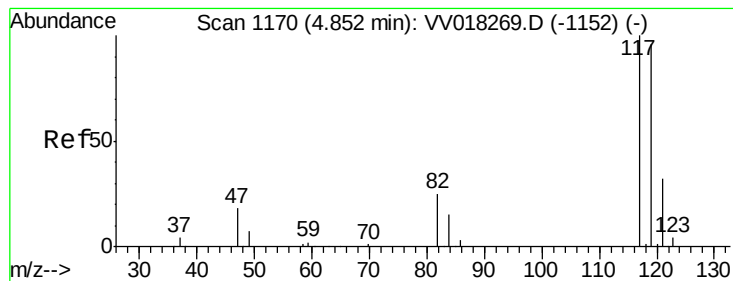


Abundance Ion 97.00 (96.70 to 97.70): VV018269.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV018269.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV018269.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 48.820 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

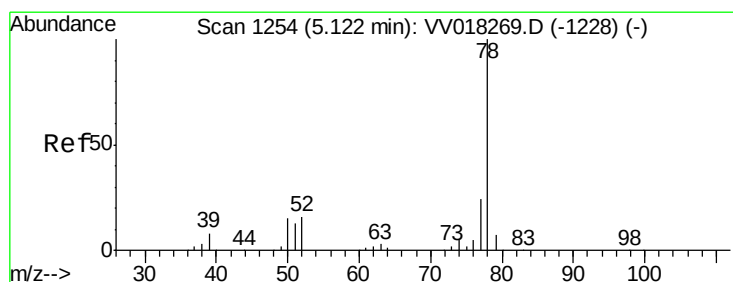
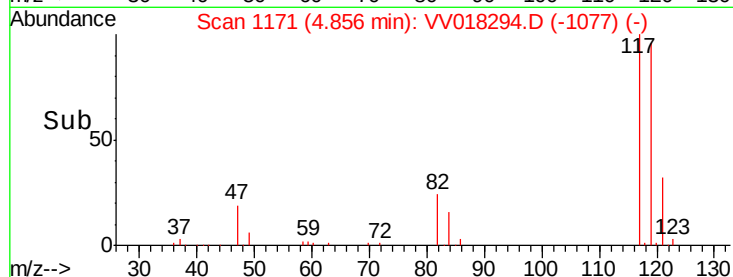
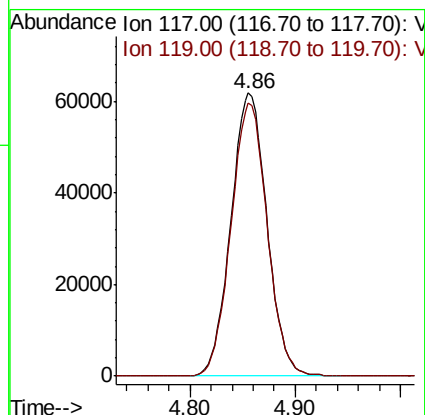
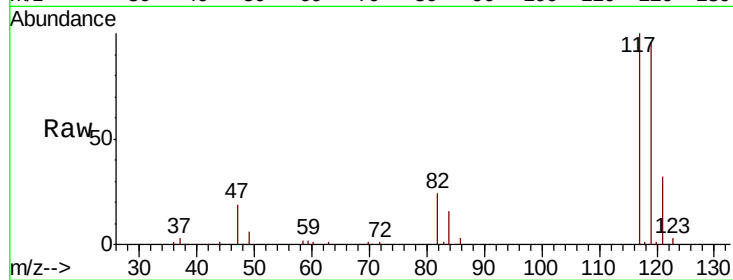
VSTD05076

Tot Ion:117 Resp: 146497

Ion Ratio Lower Upper

117 100

119 96.9 75.7 113.5



#33

Benzene

Concen: 50.498 ug/L

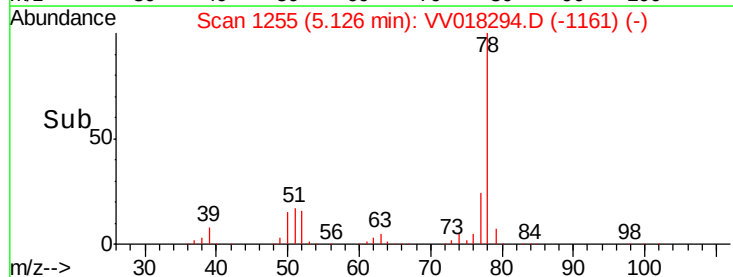
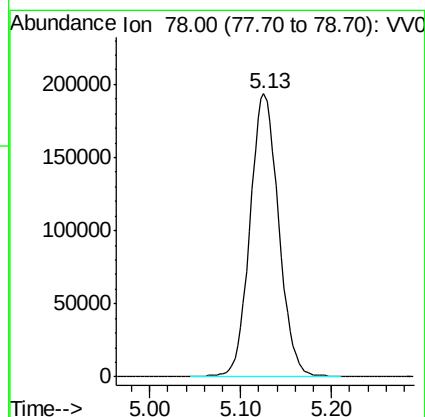
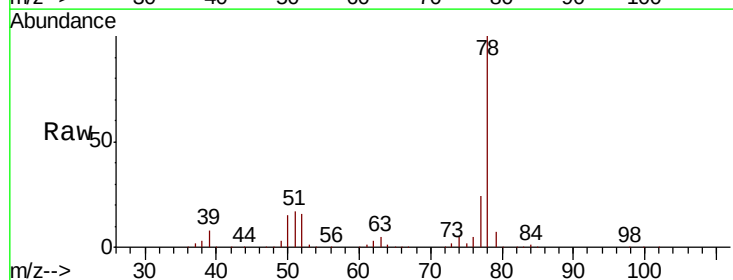
RT: 5.13 min Scan# 1255

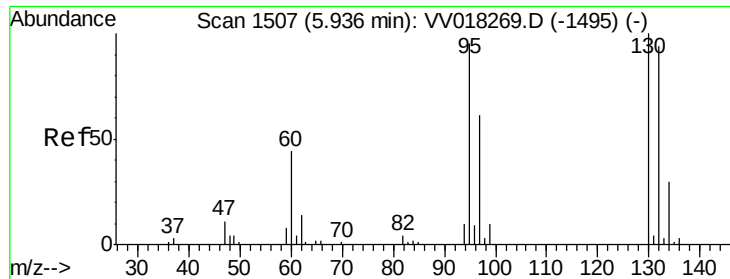
Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Tgt Ion: 78 Resp: 424560





#34

Trichloroethene

Concen: 47.212 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tot Ion: 95 Resp: 108131

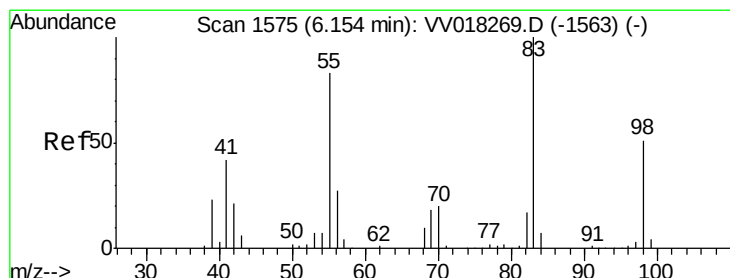
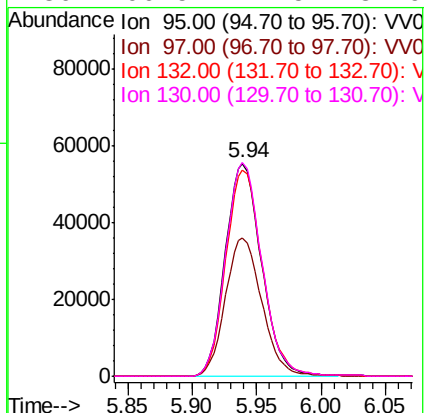
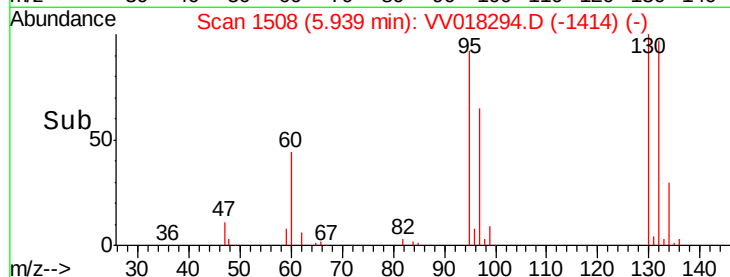
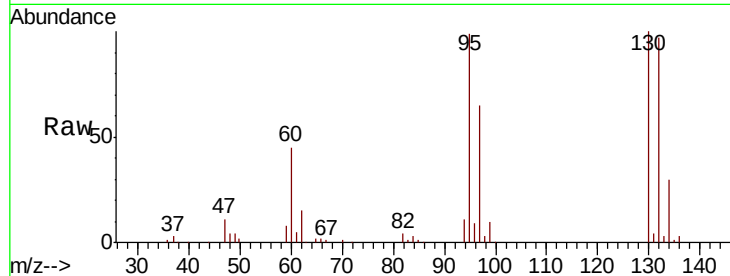
Ion Ratio Lower Upper

95 100

97 65.2 46.3 85.9

132 97.2 68.1 126.5

130 100.5 71.5 132.9



#35

Methylcyclohexane

Concen: 49.403 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

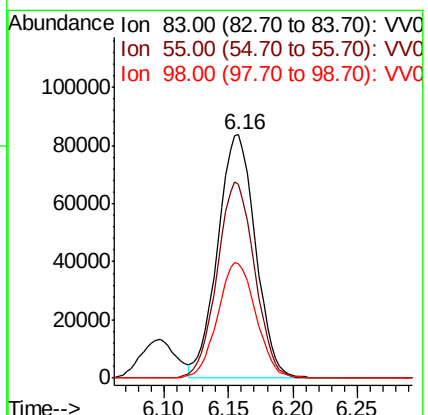
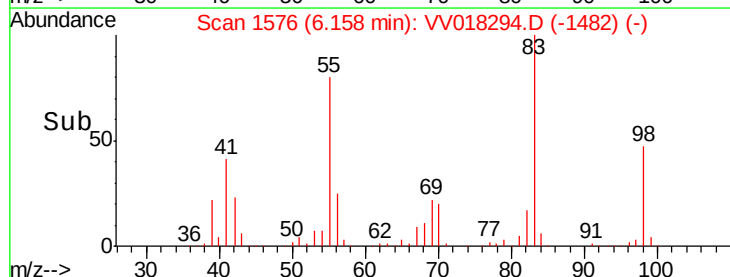
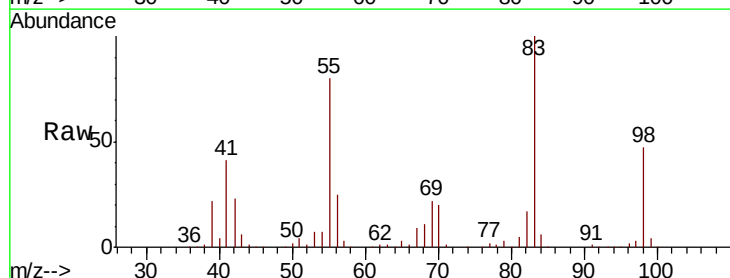
Tgt Ion: 83 Resp: 170361

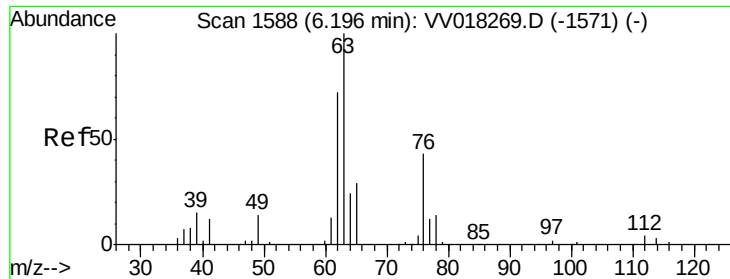
Ion Ratio Lower Upper

83 100

55 79.7 63.4 95.2

98 47.9 38.8 58.2

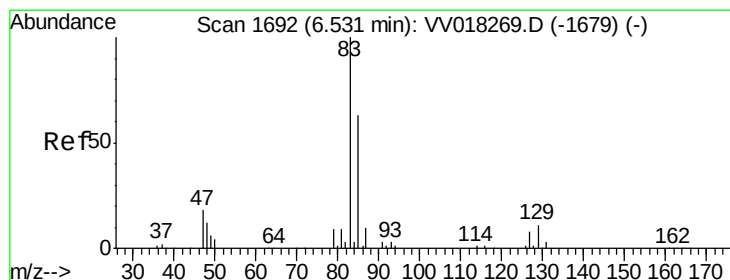
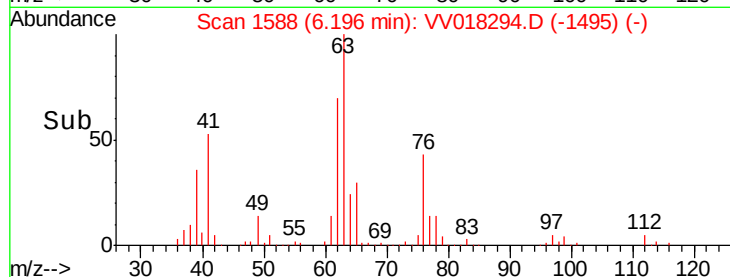
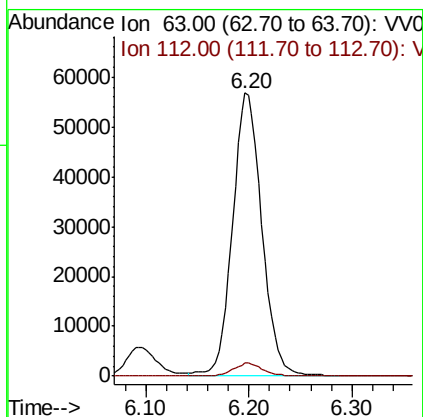
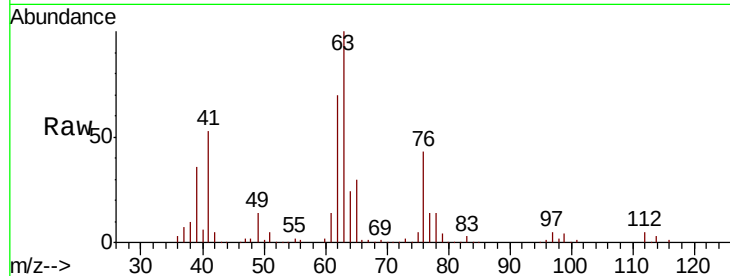




#37
 1,2-Dichloropropane
 Concen: 50.202 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

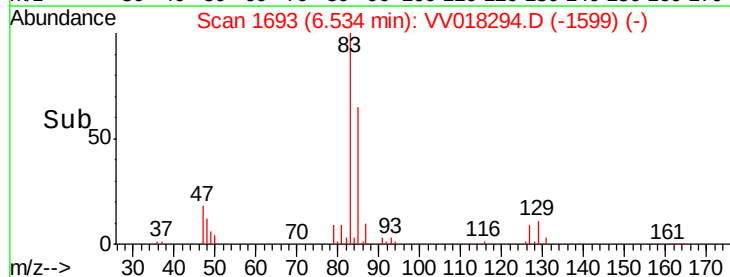
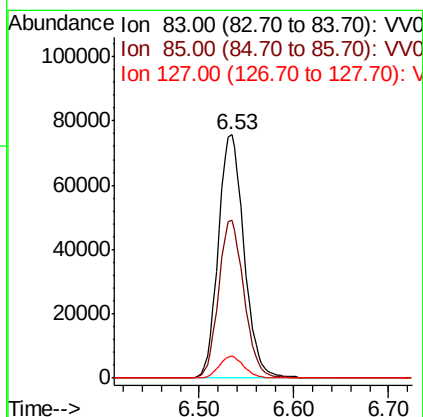
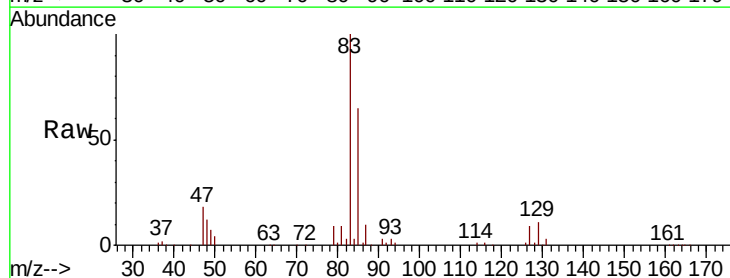
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

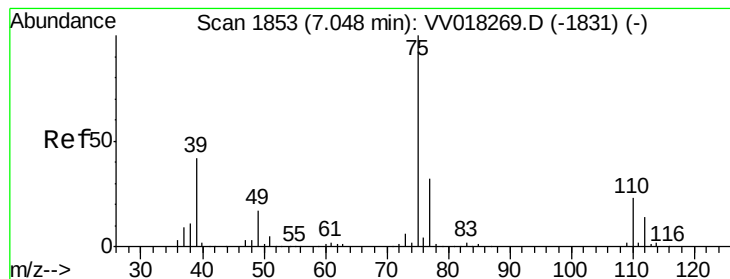
Tot Ion: 63 Resp: 111845
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 49.431 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Tgt Ion: 83 Resp: 143312
 Ion Ratio Lower Upper
 83 100
 85 64.7 44.7 82.9
 127 9.0 6.7 10.1



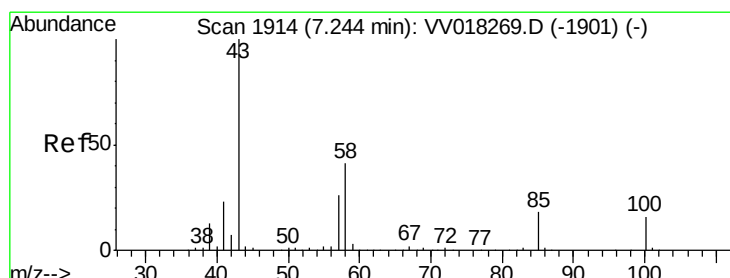
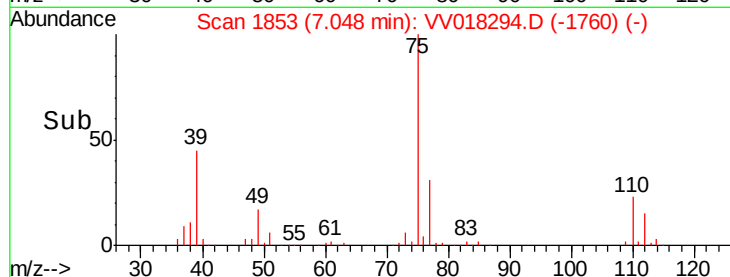
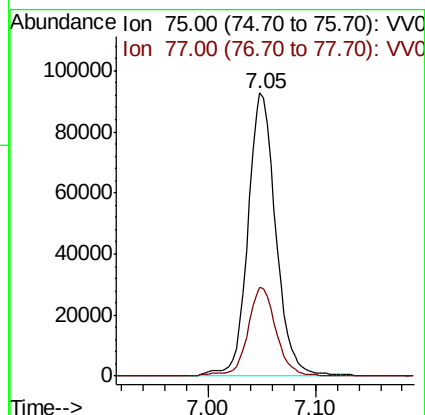
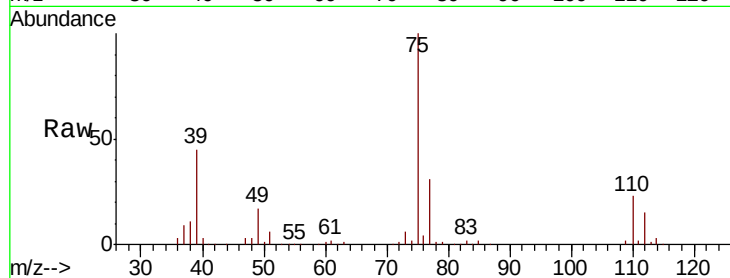


#39

cis-1,3-Dichloropropene
Concen: 48.631 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Instrument :
MSVOA_V
ClientSampled :
VSTD05076

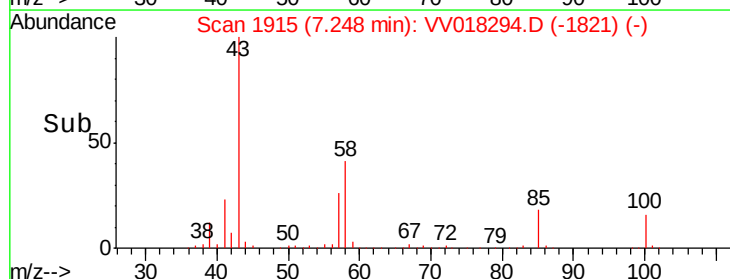
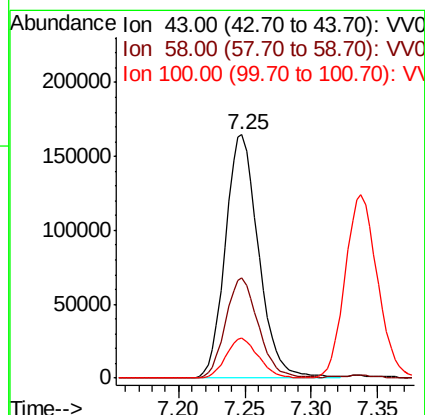
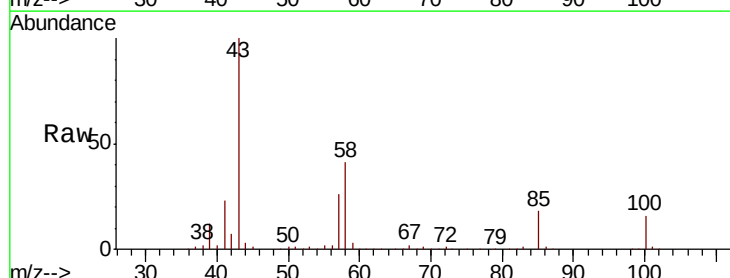
Tot Ion: 75 Resp: 166935
Ion Ratio Lower Upper
75 100
77 31.4 22.3 41.3

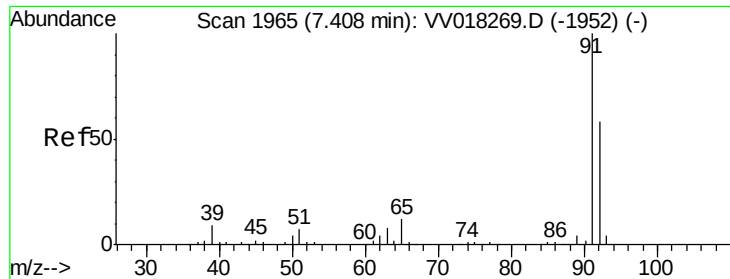


#40

4-Methyl-2-pentanone
Concen: 106.225 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Tgt Ion: 43 Resp: 287106
Ion Ratio Lower Upper
43 100
58 40.5 32.4 48.6
100 16.1 12.7 19.1





#42

Toluene

Concen: 50.893 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

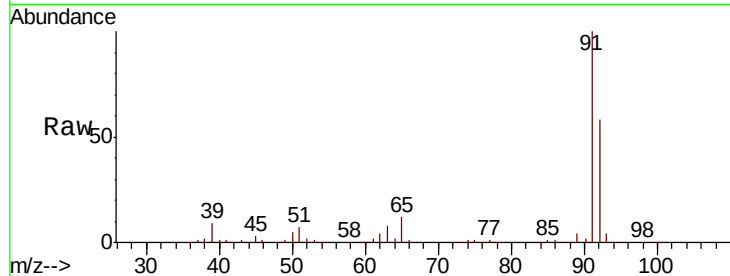
VSTD05076

Tot Ion: 91 Resp: 452812

Ion Ratio Lower Upper

91 100

92 58.3 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV018269.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018269.D (-1952) (-)

7.41

250000

200000

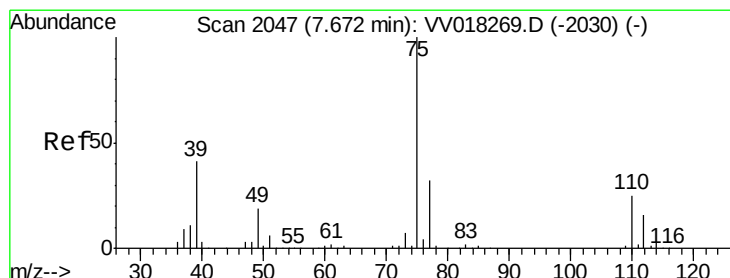
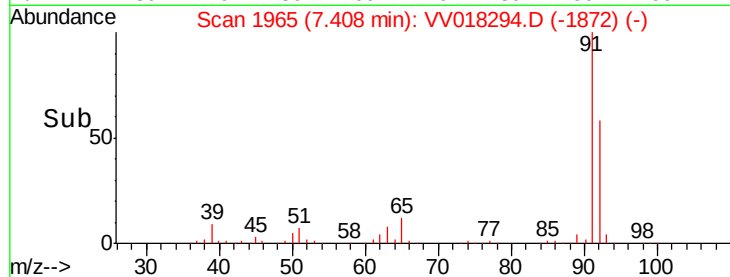
150000

100000

50000

0

Time--> 7.30 7.40 7.50



#44

trans-1,3-Dichloropropene

Concen: 49.481 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VV018294.D

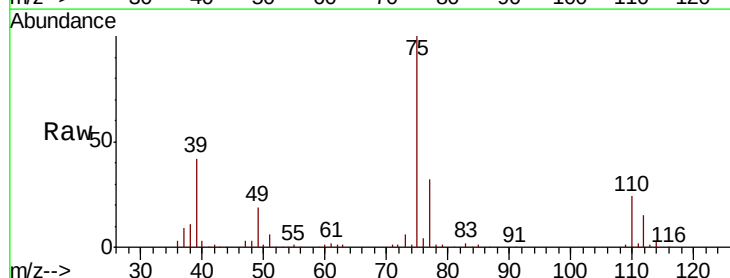
Acq: 17 Sep 2020 21:00

Tgt Ion: 75 Resp: 165379

Ion Ratio Lower Upper

75 100

77 31.7 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018269.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018269.D (-2030) (-)

7.67

100000

80000

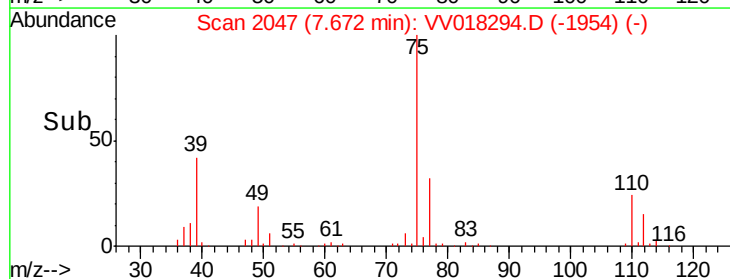
60000

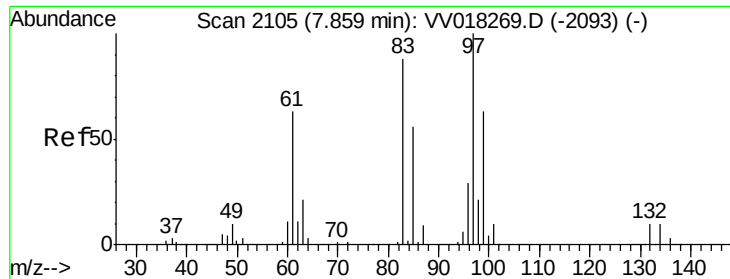
40000

20000

0

Time--> 7.60 7.70 7.80

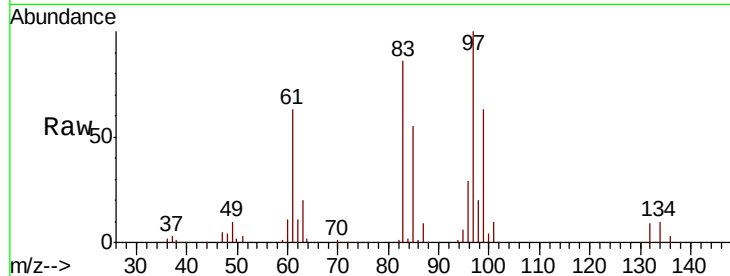




#45
 1,1,2-Trichloroethane
 Concen: 50.584 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tot Ion:	97	Resp:	104454
Ion	Ratio	Lower	Upper
97	100		
99	62.7	43.7	81.1
83	86.3	59.9	111.3
85	55.4	37.6	69.8



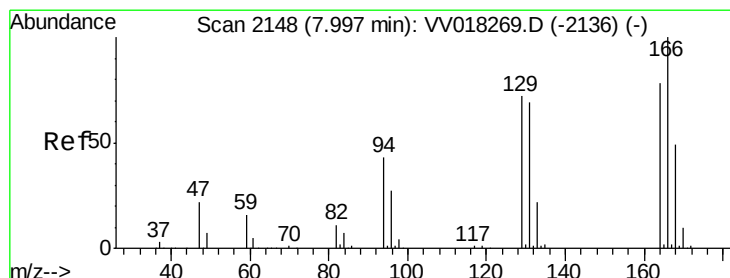
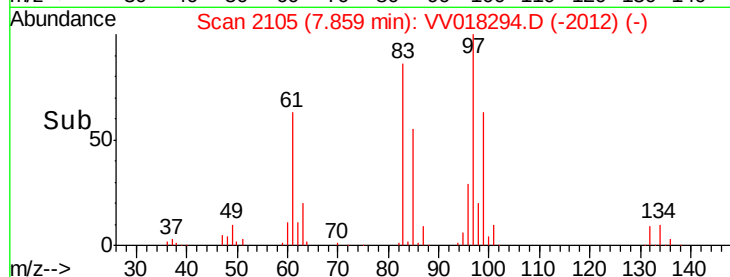
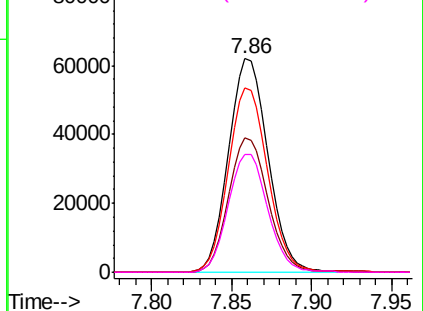
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

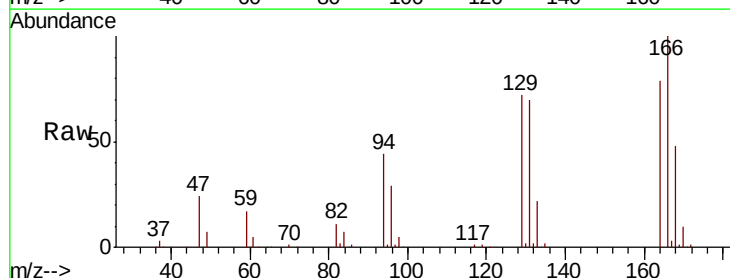
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.674 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Tgt Ion:	164	Resp:	89203
Ion	Ratio	Lower	Upper
164	100		
129	90.6	64.5	119.7
131	87.9	61.8	114.8
166	126.2	90.6	168.2



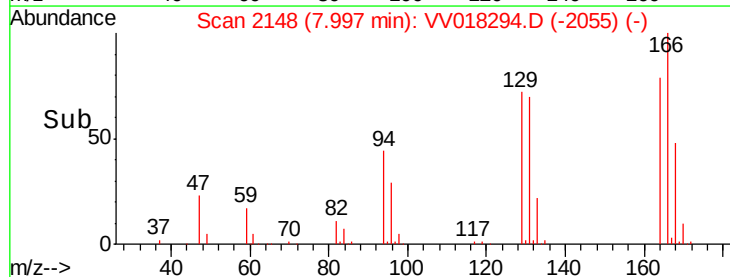
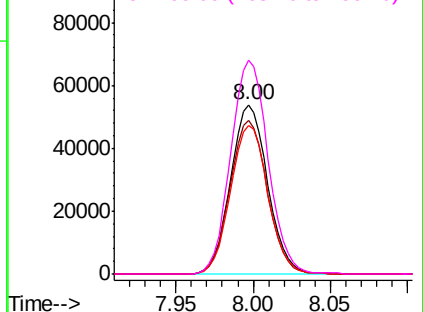
Abundance

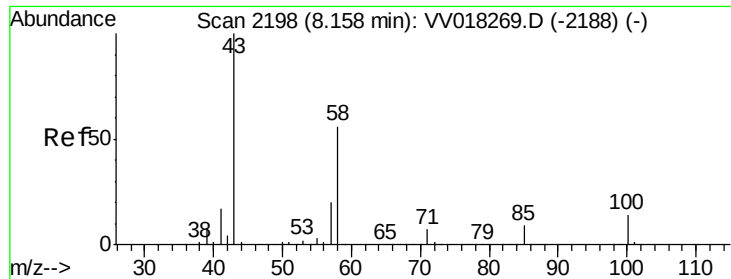
Ion 164.00 (163.70 to 164.70): V

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

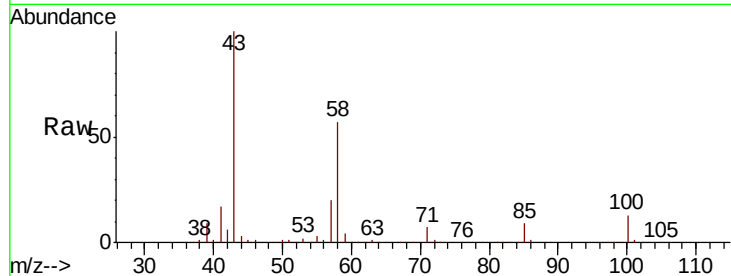




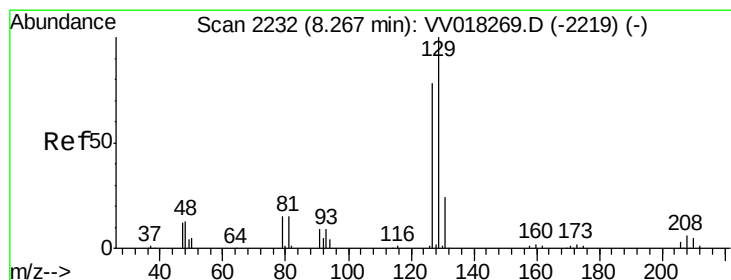
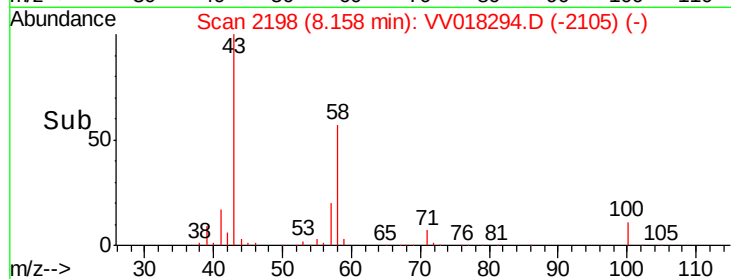
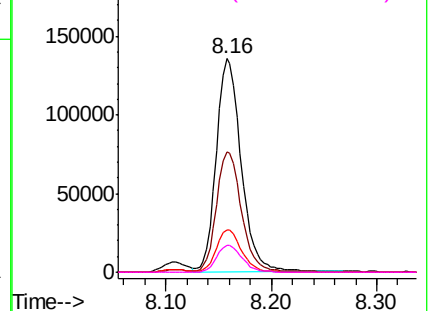
#48
2-Hexanone
Concen: 104.797 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 43 Resp: 223306
Ion Ratio Lower Upper
43 100
58 56.6 44.8 67.2
57 19.5 15.8 23.6
100 13.0 10.2 15.4

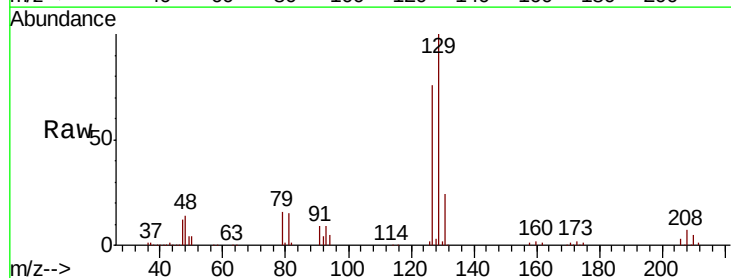


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

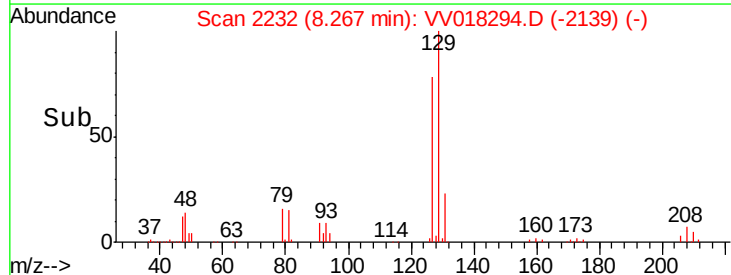
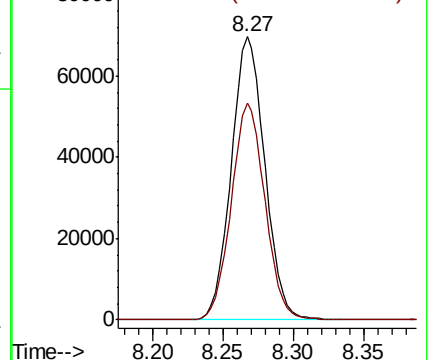


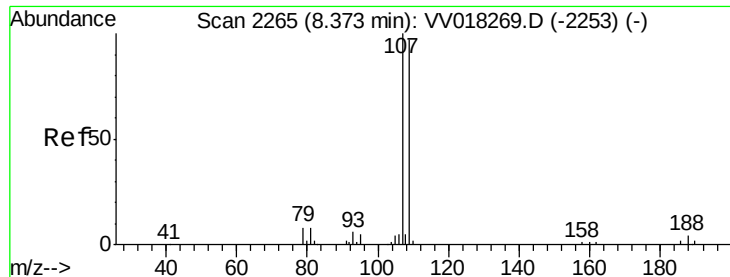
#49
Dibromochloromethane
Concen: 50.040 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Tgt Ion: 129 Resp: 115988
Ion Ratio Lower Upper
129 100
127 76.4 54.5 101.1



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

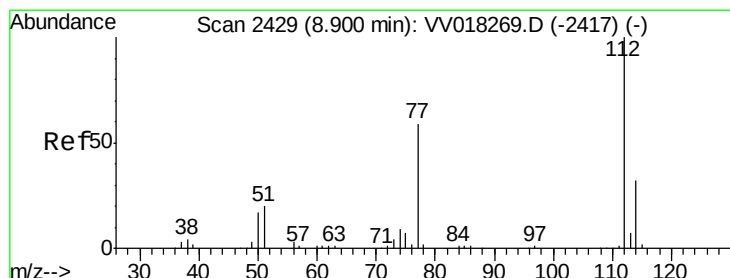
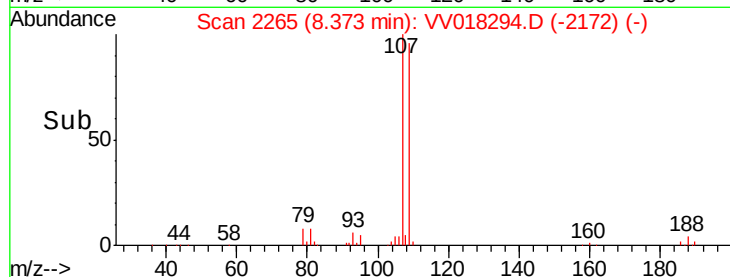
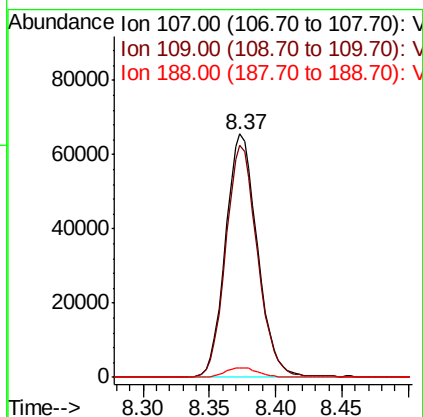
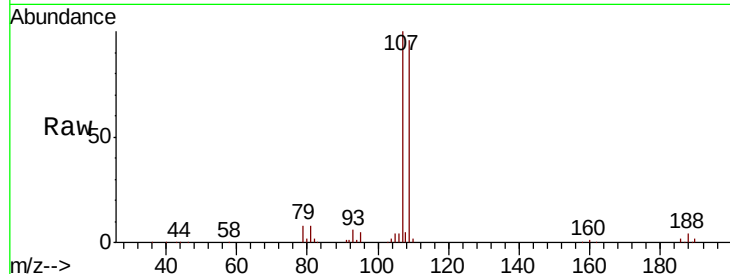




#50
 1,2-Dibromoethane
 Concen: 50.544 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

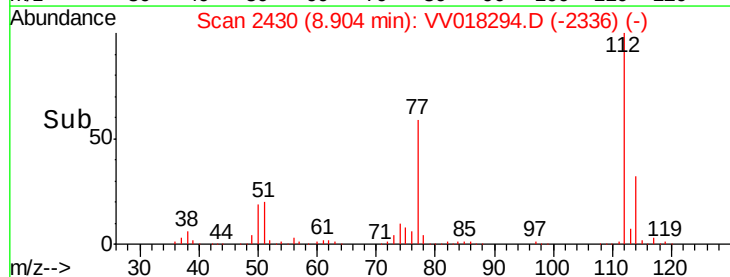
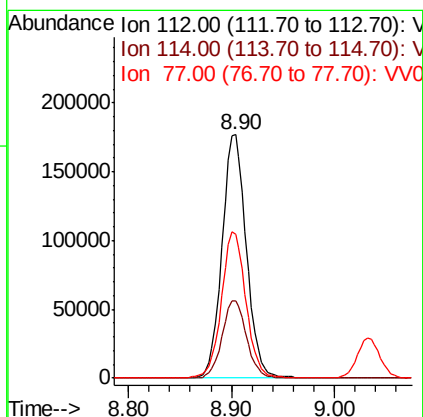
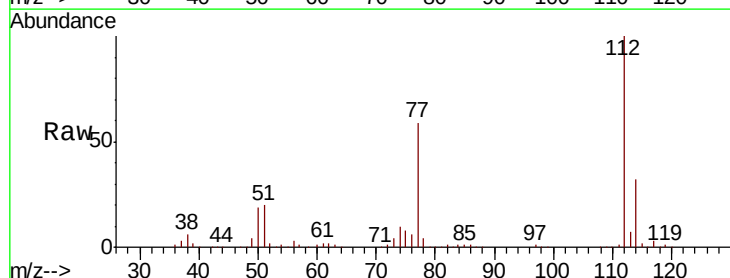
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

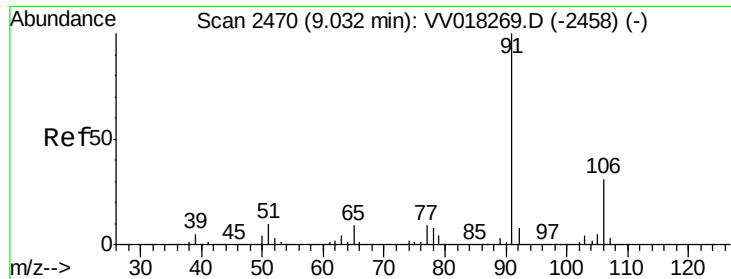
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	66.1	122.8
188	3.9	3.2	4.8



#51
 Chlorobenzene
 Concen: 50.255 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.0	22.6	42.0
77	59.3	48.0	72.0





#52

Ethylbenzene

Concen: 51.226 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

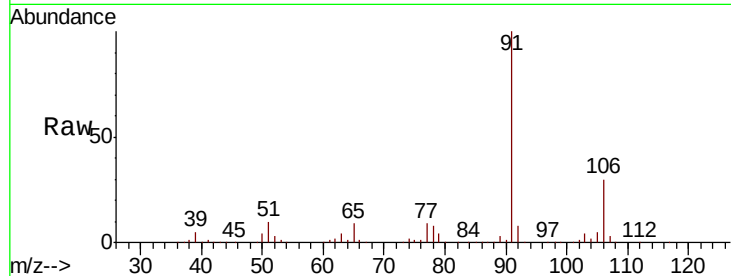
VSTD05076

Tot Ion: 91 Resp: 497599

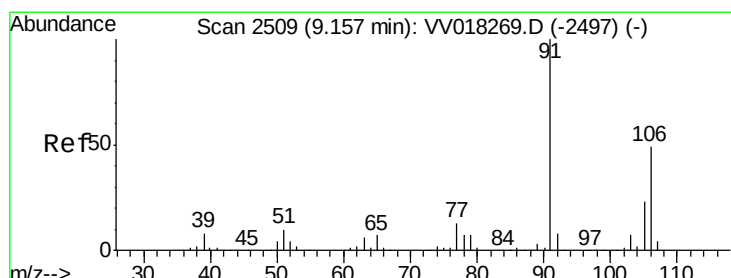
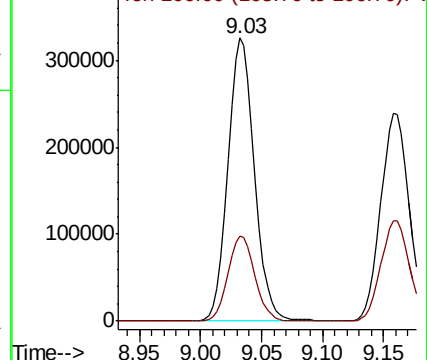
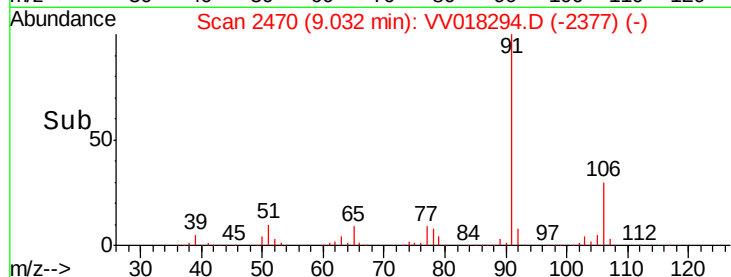
Ion Ratio Lower Upper

91 100

106 30.1 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018294.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.607 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018294.D

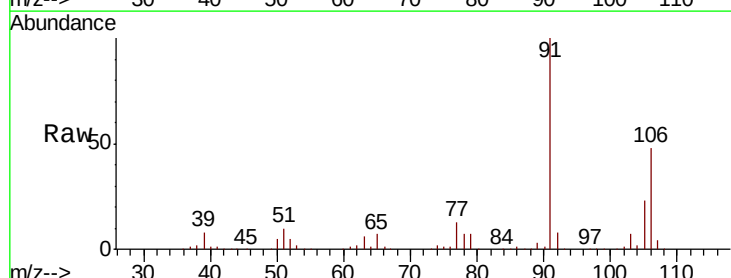
Acq: 17 Sep 2020 21:00

Tgt Ion: 106 Resp: 187114

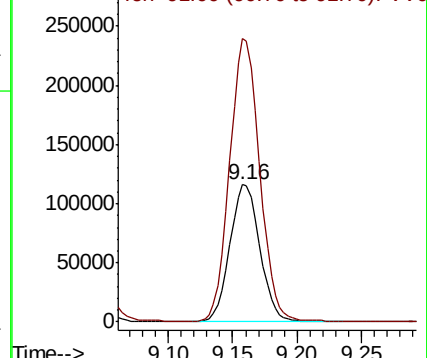
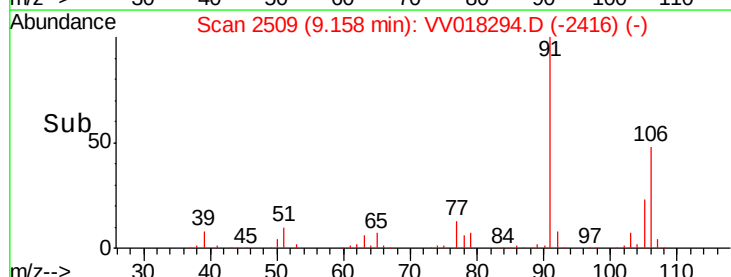
Ion Ratio Lower Upper

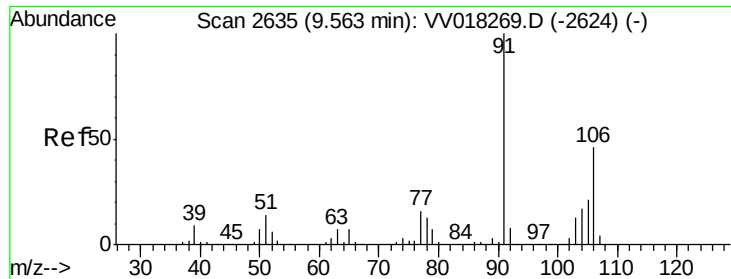
106 100

91 206.6 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018294.D (-2416) (-)

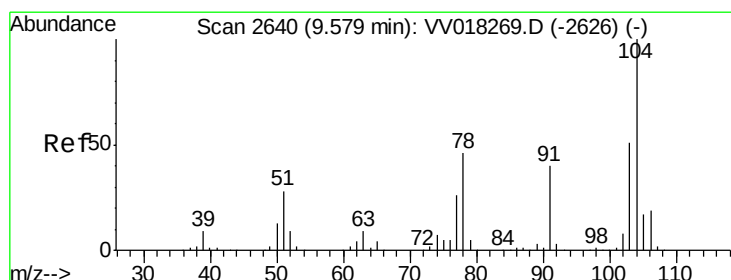
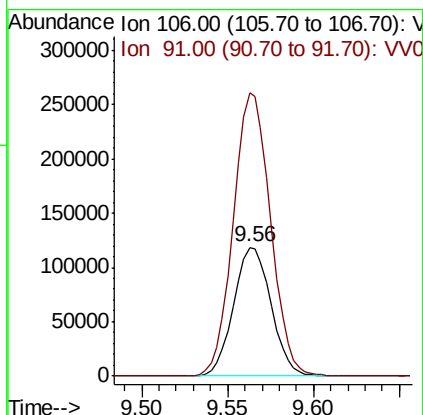
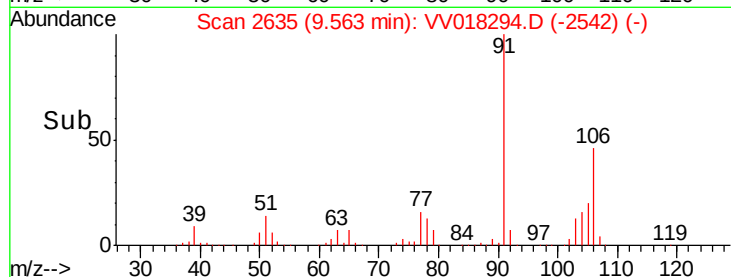
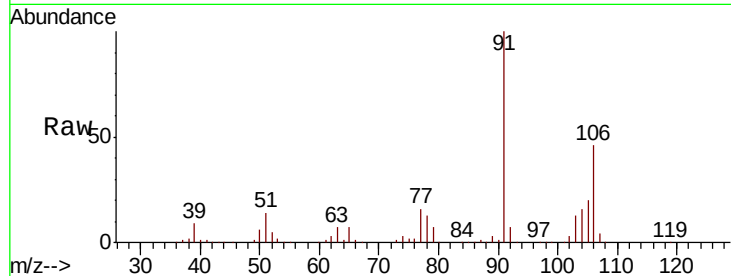




#54
o-xylene
Concen: 51.867 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

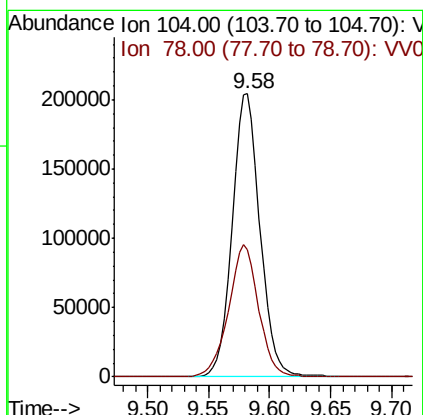
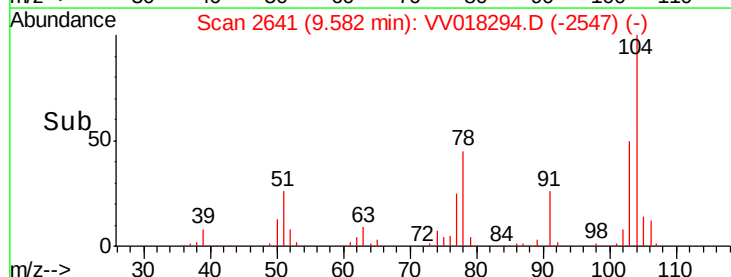
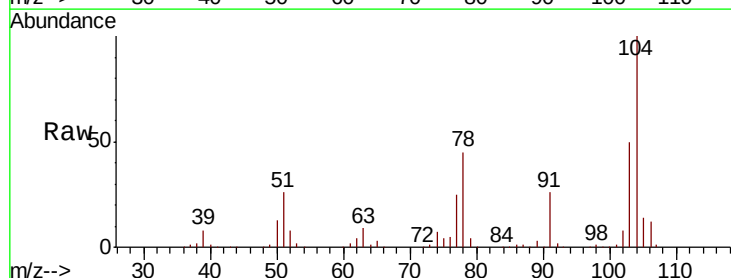
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

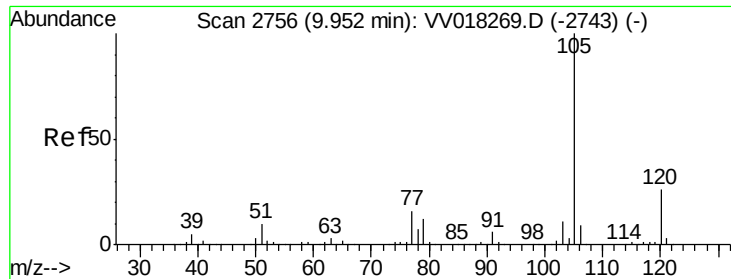
Tot Ion:106 Resp: 181169
Ion Ratio Lower Upper
106 100
91 219.3 152.2 282.6



#55
Styrene
Concen: 53.308 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018294.D
Acq: 17 Sep 2020 21:00

Tgt Ion:104 Resp: 323646
Ion Ratio Lower Upper
104 100
78 45.0 31.4 58.2





#56

Isopropylbenzene

Concen: 51.846 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

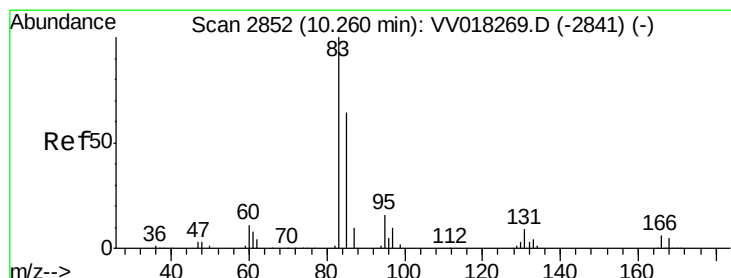
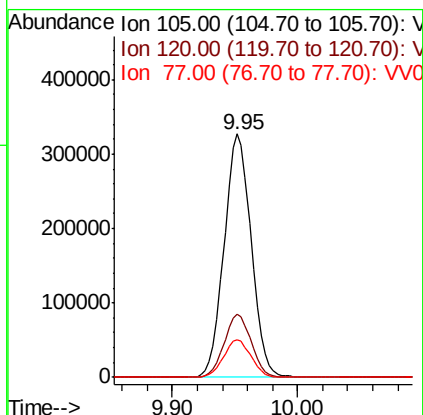
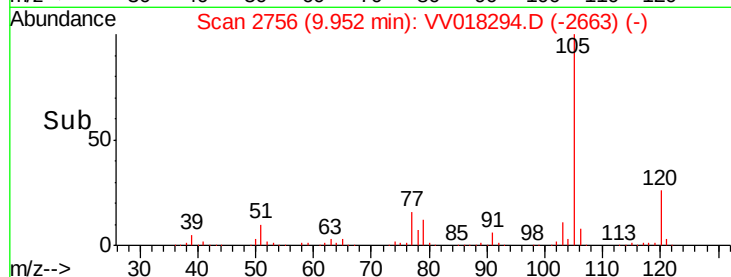
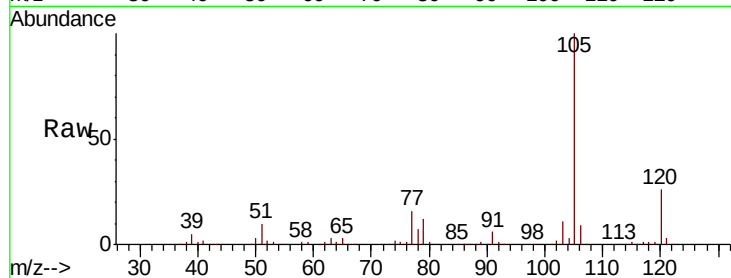
Tot Ion:105 Resp: 488074

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

77 15.7 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 54.616 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

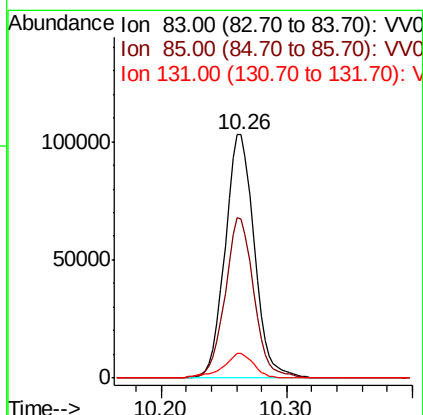
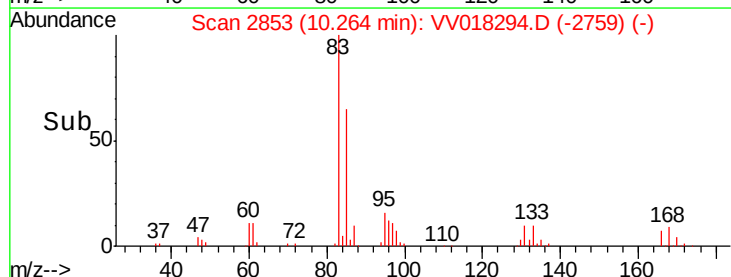
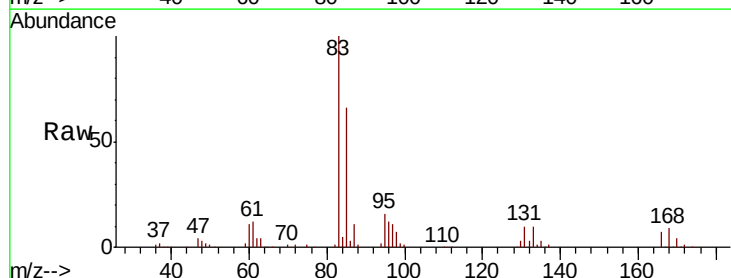
Tgt Ion: 83 Resp: 166830

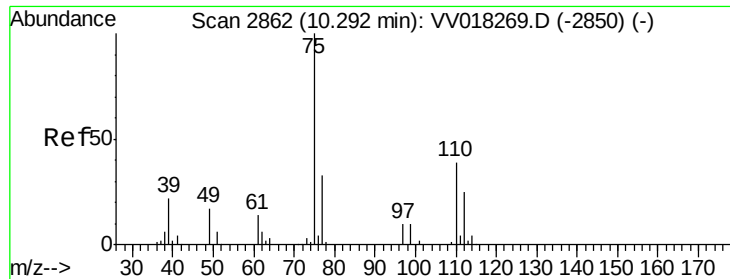
Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.2

131 10.0 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 51.991 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

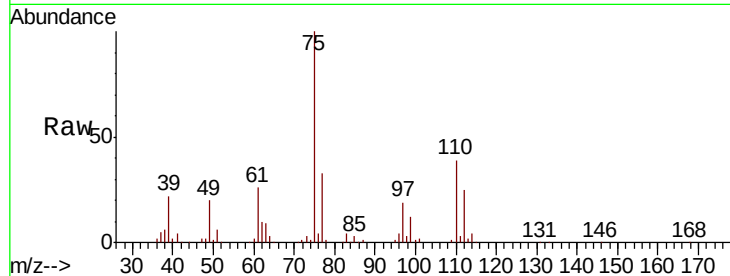
VSTD05076

Tot Ion: 75 Resp: 136237

Ion Ratio Lower Upper

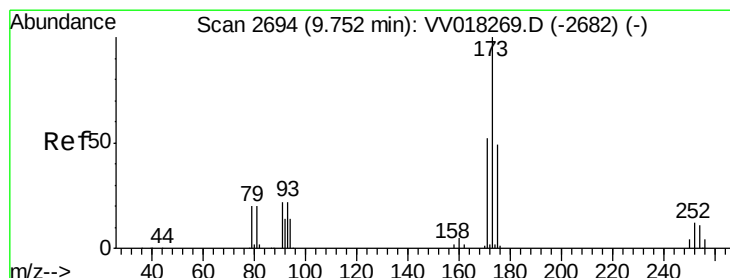
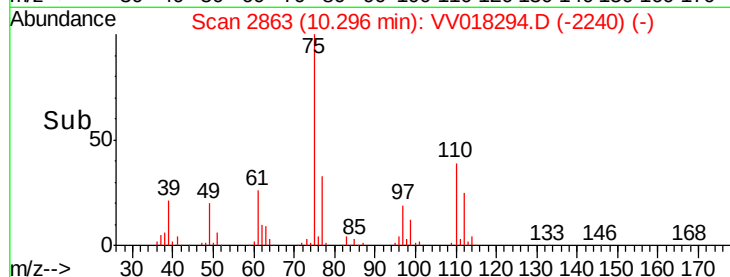
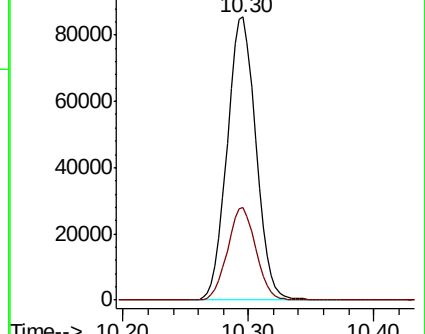
75 100

77 32.1 25.8 38.6



Abundance Ion 75.00 (74.70 to 75.70): VV018269.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018269.D (-2850) (-)



#61

Bromoform

Concen: 50.239 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

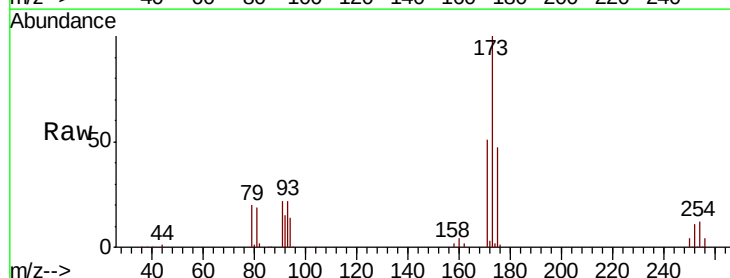
Tgt Ion: 173 Resp: 87296

Ion Ratio Lower Upper

173 100

175 48.1 39.0 58.6

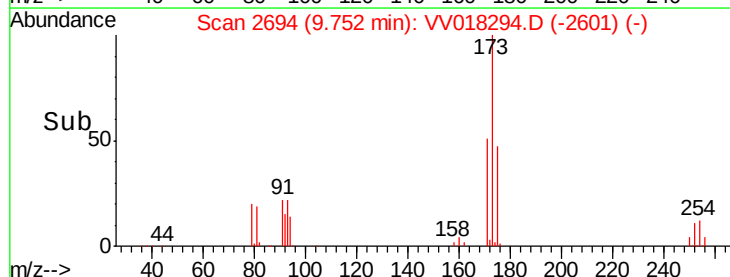
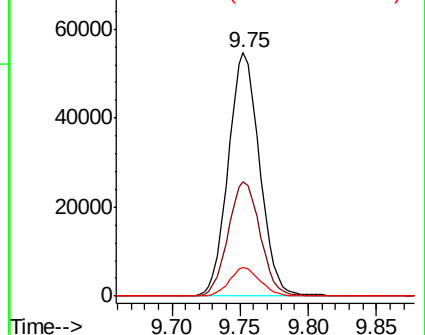
254 11.4 9.0 13.4

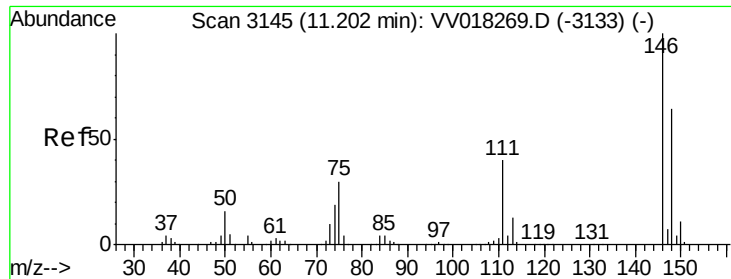


Abundance Ion 173.00 (172.70 to 173.70): VV018269.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018269.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018269.D (-2682) (-)

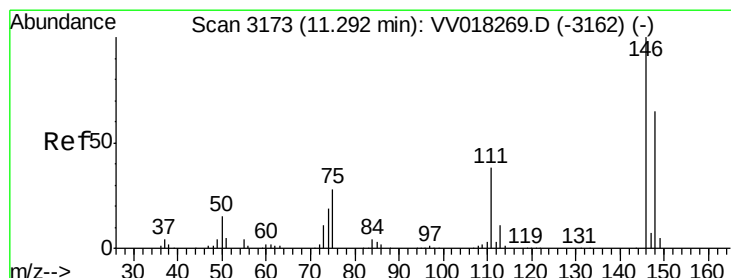
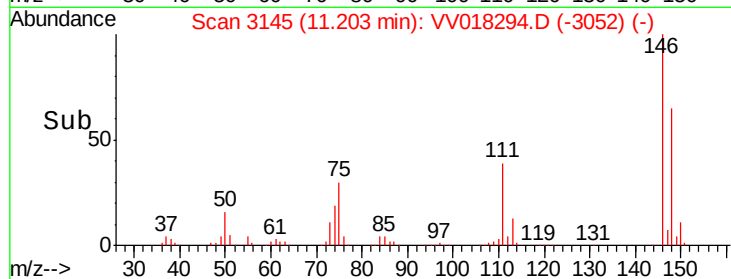
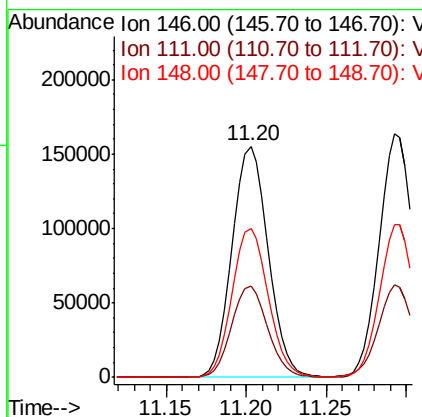
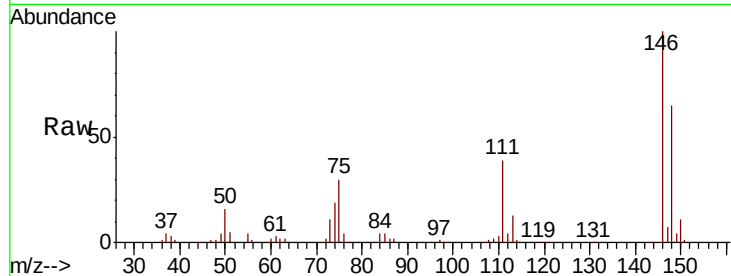




#62
 1,3-Dichlorobenzene
 Concen: 49.610 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

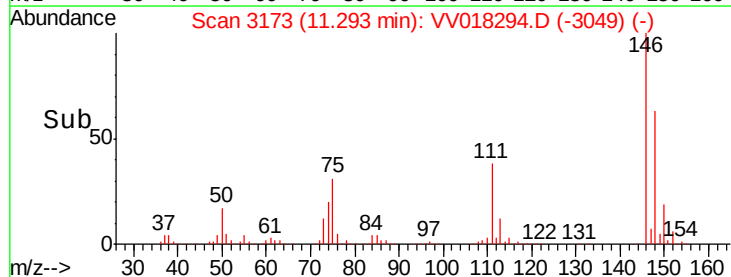
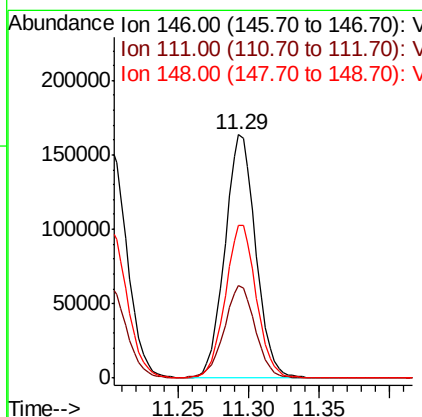
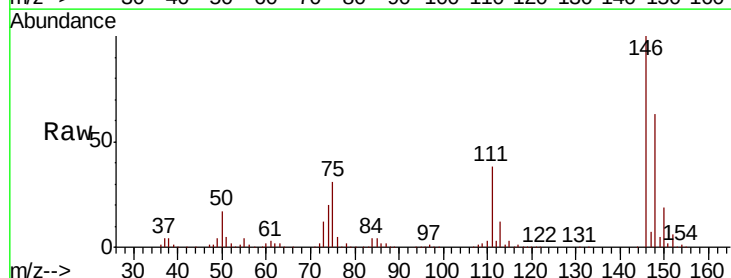
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

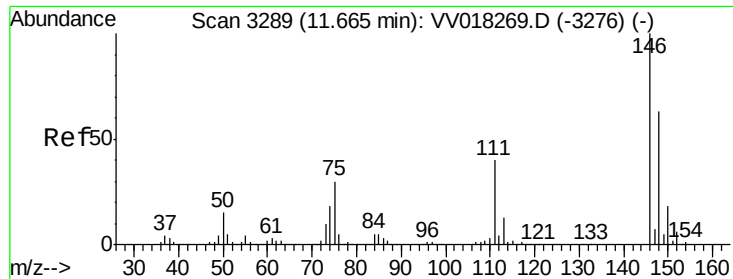
Tot Ion:146 Resp: 238608
 Ion Ratio Lower Upper
 146 100
 111 39.3 27.6 51.2
 148 64.7 45.4 84.2



#63
 1,4-Dichlorobenzene
 Concen: 50.292 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Tgt Ion:146 Resp: 248627
 Ion Ratio Lower Upper
 146 100
 111 37.9 27.1 50.3
 148 62.6 45.4 84.2

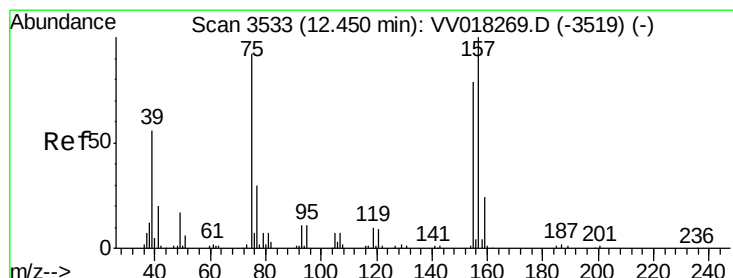
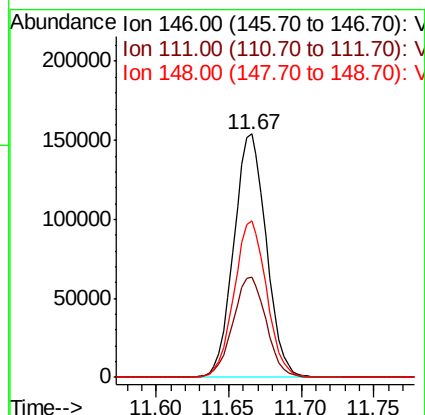
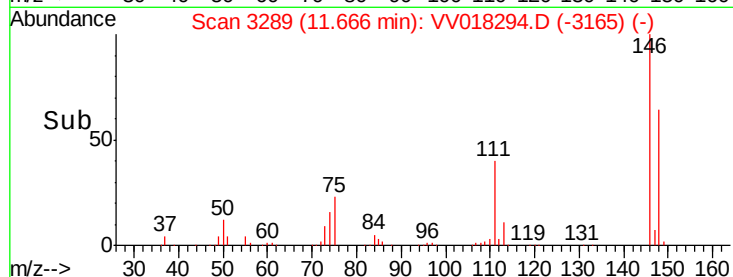
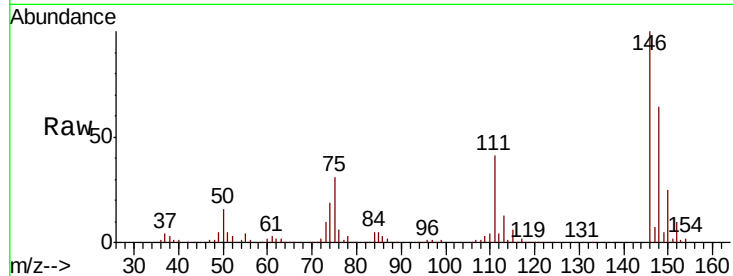




#65
 1,2-Dichlorobenzene
 Concen: 49.195 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

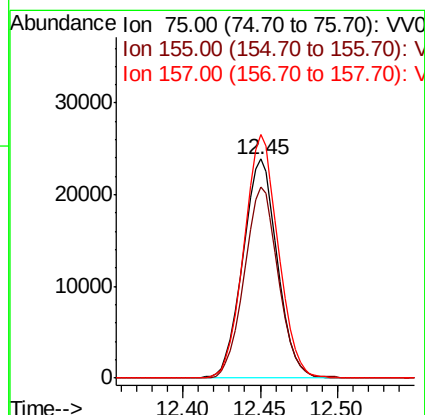
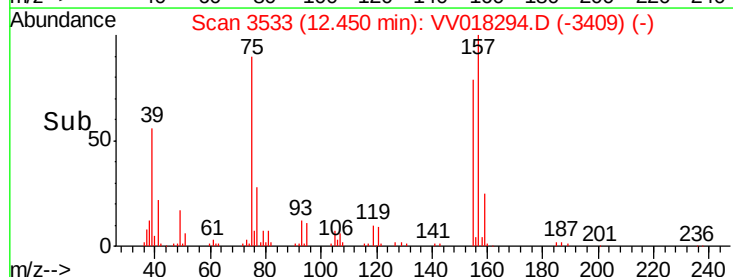
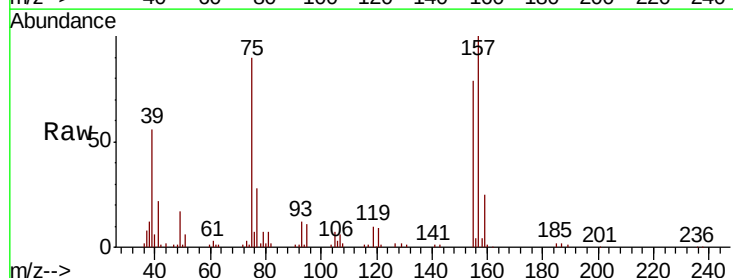
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

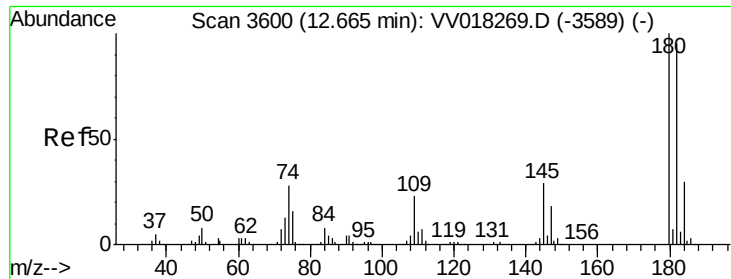
Tot Ion:146 Resp: 239161
 Ion Ratio Lower Upper
 146 100
 111 41.0 32.8 49.2
 148 64.2 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.996 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Tgt Ion: 75 Resp: 37043
 Ion Ratio Lower Upper
 75 100
 155 87.5 69.7 104.5
 157 111.3 88.2 132.4

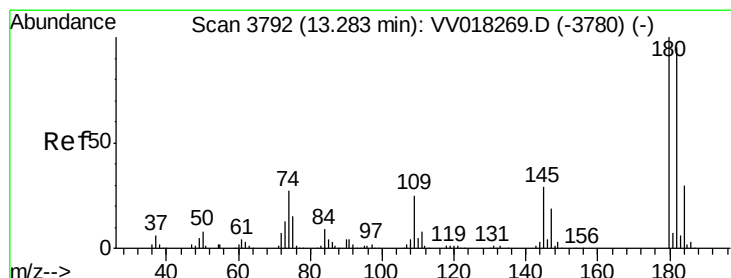
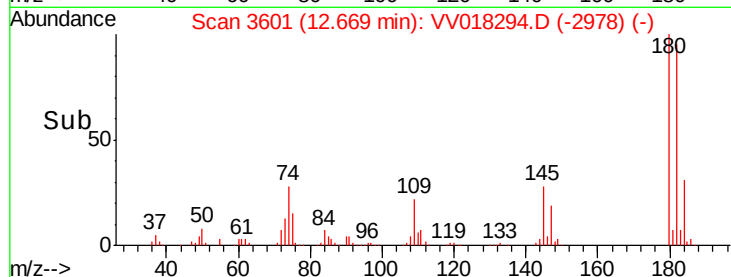
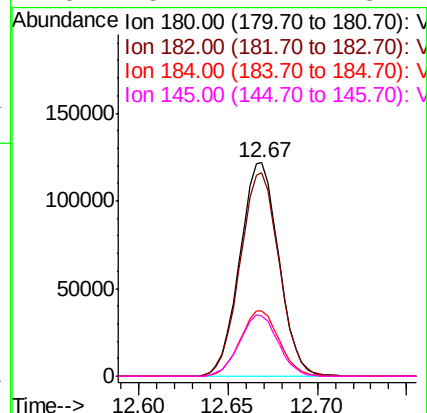
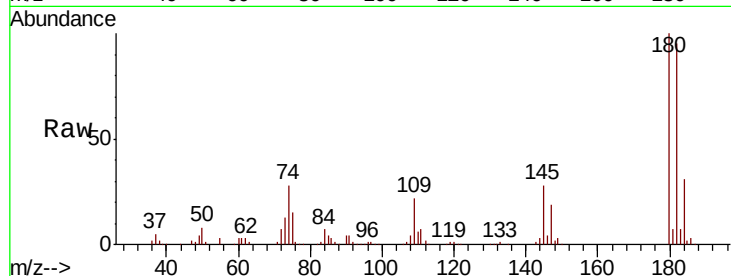




#67
 1,3,5-Trichlorobenzene
 Concen: 48.881 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

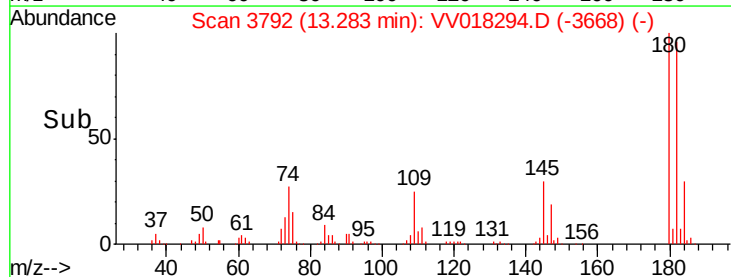
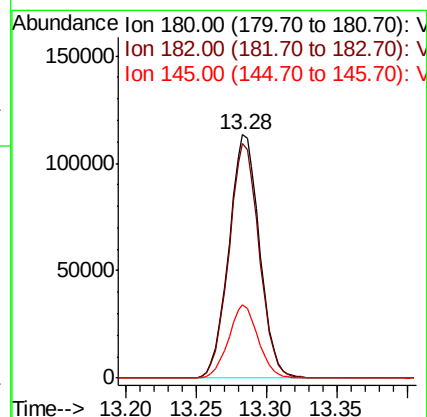
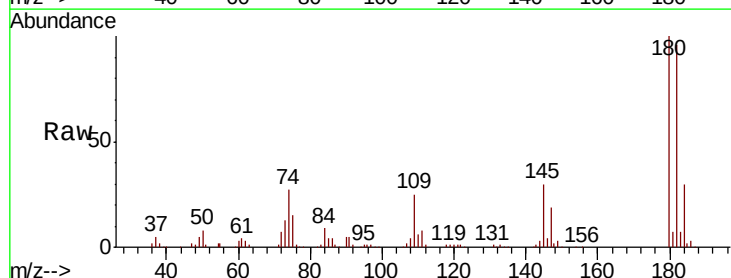
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

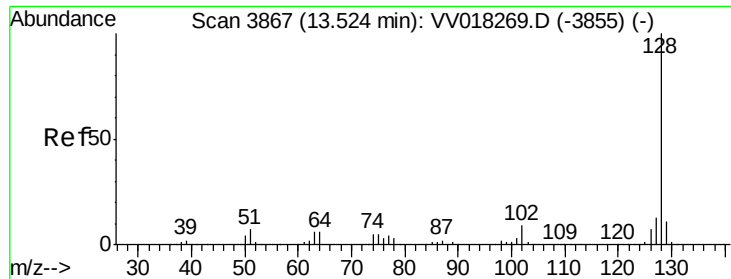
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.8	115.2
184	30.7	24.6	36.8
145	28.4	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 50.866 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018294.D
 Acq: 17 Sep 2020 21:00

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.4	116.2
145	29.0	23.2	34.8





#69

Naphthalene

Concen: 58.546 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

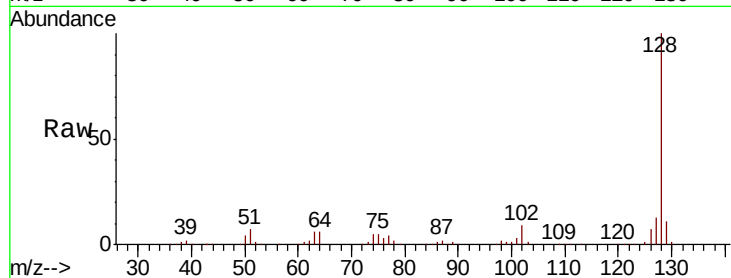
Tot Ion:128 Resp: 500198

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

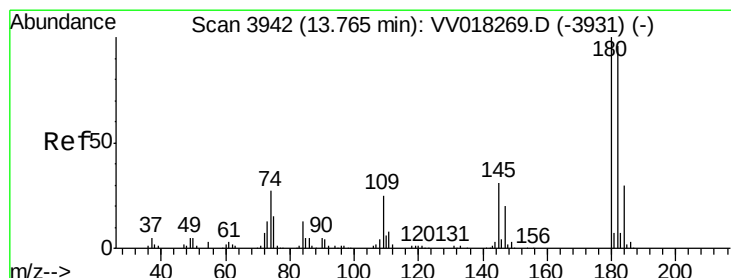
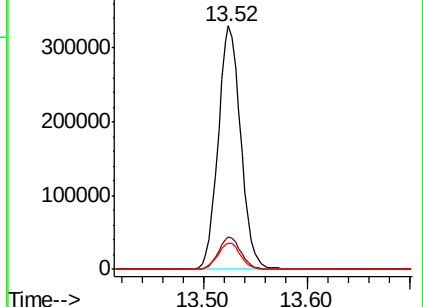
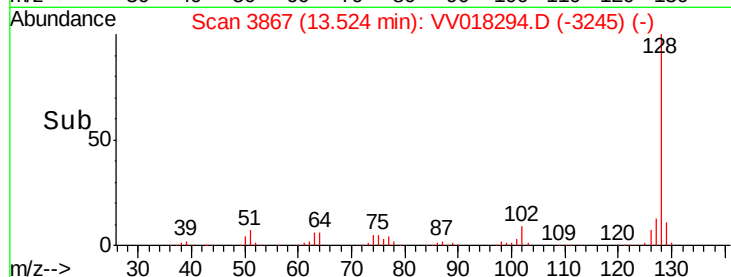
129 10.8 8.6 13.0



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: 52.545 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018294.D

Acq: 17 Sep 2020 21:00

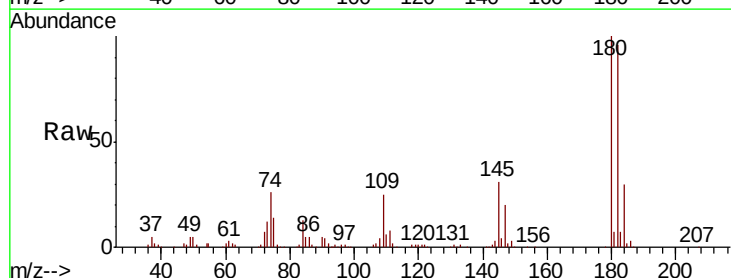
Tgt Ion:180 Resp: 174745

Ion Ratio Lower Upper

180 100

182 96.4 76.5 114.7

145 31.3 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

