

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071420\
 Data File : VV017497.D
 Acq On : 14 Jul 2020 20:50
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Quant Time: Jul 15 03:09:08 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR071420WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Jul 15 02:49:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	134731	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	130768	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	72103	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	37027	4.72	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	94.40%
7) Chloroethane-d5	1.58	69	30395	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	81855	4.78	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	95.60%
20) 2-Butanone-d5	3.96	46	87335	54.31	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	108.62%
24) Chloroform-d	4.38	84	87017	4.95	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.00%
26) 1,2-Dichloroethane-d4	5.06	65	48439	5.18	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	103.60%
32) Benzene-d6	5.07	84	148425	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.10	67	41420	4.95	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	99.00%
41) Toluene-d8	7.34	98	145021	4.92	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.40%
45) trans-1,3-Dichloropropene-	7.64	79	19917	4.89	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	97.80%
48) 2-Hexanone-d5	8.11	63	65426	53.88	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	107.76%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	30564	5.15	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	103.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	62158	5.04	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	100.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	78162	4.916 ug/L	99
3) Chloromethane	1.25	50	51159	4.707 ug/L	93
5) Vinyl chloride	1.32	62	53394	4.910 ug/L	97
6) Bromomethane	1.53	94	30812	4.694 ug/L	99
8) Chloroethane	1.60	64	29828	4.744 ug/L	97
9) Trichlorofluoromethane	1.77	101	97332	4.895 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	44099	4.822 ug/L	99
12) 1,1-Dichloroethene	2.14	96	41052	5.064 ug/L	86
13) Acetone	2.23	43	22782	19.514 ug/L #	44
14) Carbon disulfide	2.31	76	119825	4.775 ug/L	99
15) Methyl Acetate	2.46	43	13099	5.808 ug/L	94
16) Methylene chloride	2.52	84	39990	4.096 ug/L	98
17) Methyl tert-butyl Ether	2.79	73	102642	5.096 ug/L	97
18) trans-1,2-Dichloroethene	2.78	96	42617	4.903 ug/L	94
19) 1,1-Dichloroethane	3.21	63	83508	4.971 ug/L	98
21) 2-Butanone	4.03	43	29451	16.320 ug/L #	1
22) cis-1,2-Dichloroethene	3.94	96	45044	4.780 ug/L	100

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
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 ClientSampleId :
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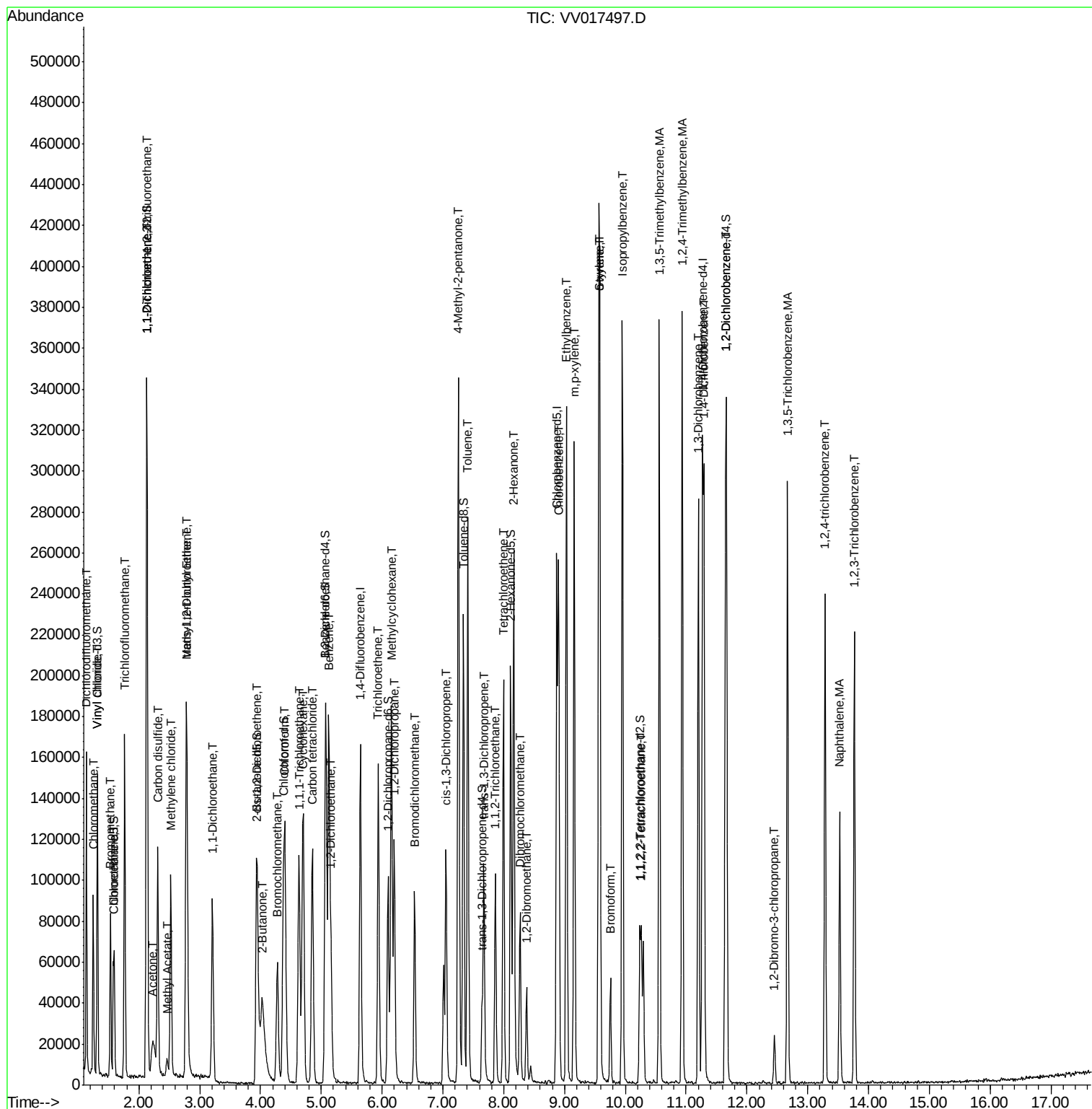
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	21542	5.077	ug/L	95
25) Chloroform	4.41	83	91800	5.065	ug/L	97
27) 1,2-Dichloroethane	5.16	62	58893	4.967	ug/L	100
29) 1,1,1-Trichloroethane	4.63	97	89591	4.845	ug/L	96
30) Cyclohexane	4.70	56	66324	4.712	ug/L	98
31) Carbon tetrachloride	4.85	117	81859	4.786	ug/L	98
33) Benzene	5.13	78	169797	4.880	ug/L	100
34) Trichloroethene	5.94	95	50395	4.744	ug/L	97
35) Methylcyclohexane	6.15	83	73246	4.685	ug/L	98
37) 1,2-Dichloropropane	6.20	63	37376	4.640	ug/L	98
38) Bromodichloromethane	6.53	83	61117	4.898	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	60355	4.658	ug/L	96
40) 4-Methyl-2-pentanone	7.25	43	220026	51.681	ug/L	100
42) Toluene	7.41	91	191751	4.991	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	189559	4.971	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	193788	5.102	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	55203	4.841	ug/L	96
47) 1,1,2-Trichloroethane	7.86	97	29917	4.971	ug/L	94
49) Tetrachloroethene	8.00	164	44157	4.884	ug/L	97
50) 2-Hexanone	8.16	43	156298	49.969	ug/L	99
51) Dibromochloromethane	8.27	129	41434	4.996	ug/L	99
52) 1,2-Dibromoethane	8.38	107	28835	4.891	ug/L	99
53) Chlorobenzene	8.90	112	125728	4.885	ug/L	99
54) Ethylbenzene	9.03	91	218910	4.978	ug/L	99
55) m,p-xylene	9.16	106	83029	4.993	ug/L	95
56) o-xylene	9.57	106	80616	5.012	ug/L	91
57) Styrene	9.58	104	136108	5.028	ug/L	98
58) Isopropylbenzene	9.95	105	223957	4.918	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	31294	5.148	ug/L	97
62) Bromoform	9.75	173	22451	4.841	ug/L	98
63) 1,3-Dichlorobenzene	11.20	146	111383	4.969	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	110422	4.963	ug/L	97
66) 1,2-Dichlorobenzene	11.67	146	100177	4.931	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	5906	4.719	ug/L	91
68) 1,3,5-Trichlorobenzene	12.67	180	87094	4.777	ug/L	99
69) 1,2,4-trichlorobenzene	13.29	180	69996	4.676	ug/L	98
70) Naphthalene	13.53	128	102042	4.843	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	64562	5.000	ug/L	97

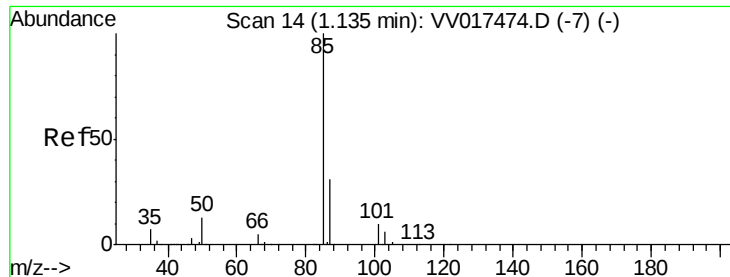
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 4.916 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

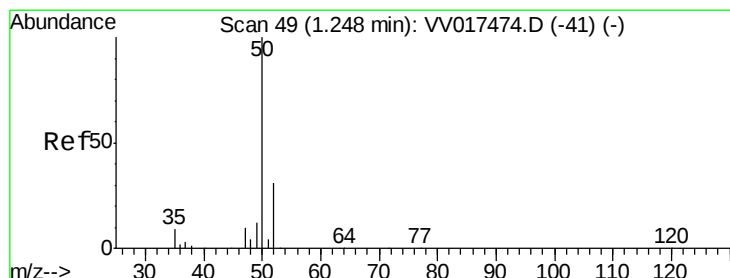
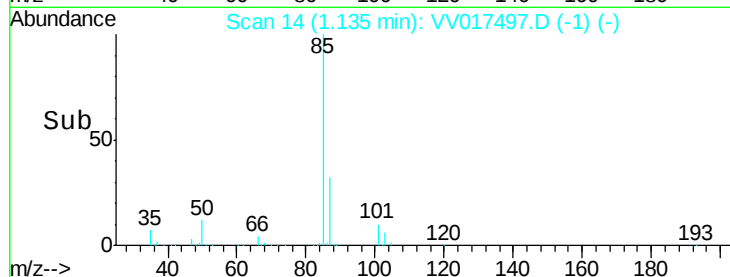
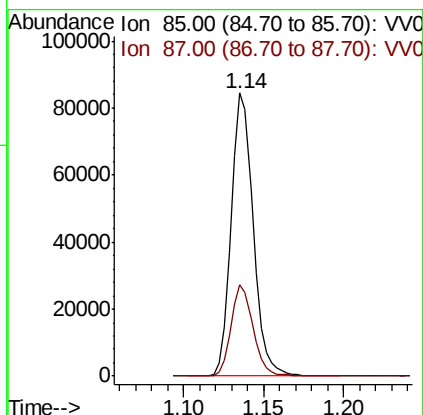
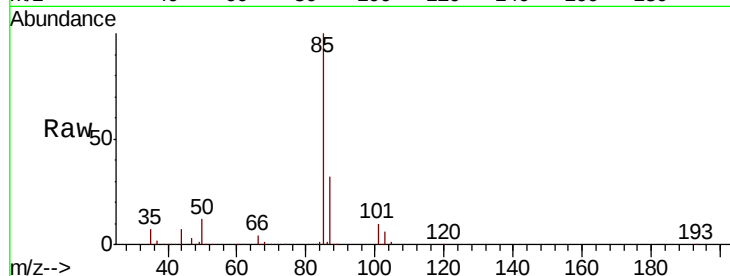
VSTD00551

Tot Ion: 85 Resp: 78162

Ion Ratio Lower Upper

85 100

87 32.2 25.1 37.7



#3

Chloromethane

Concen: 4.707 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017497.D

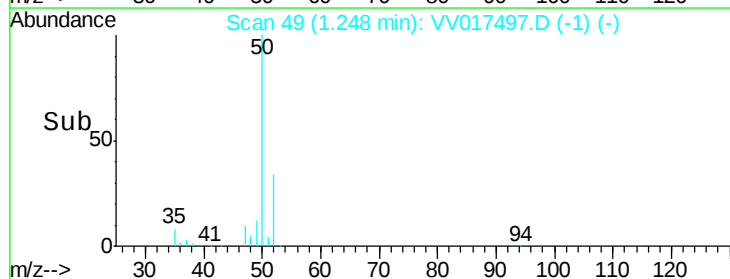
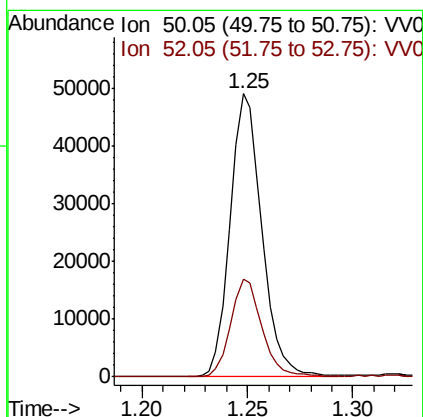
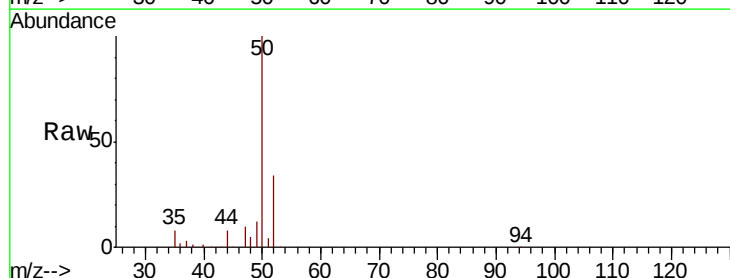
Acq: 14 Jul 2020 20:50

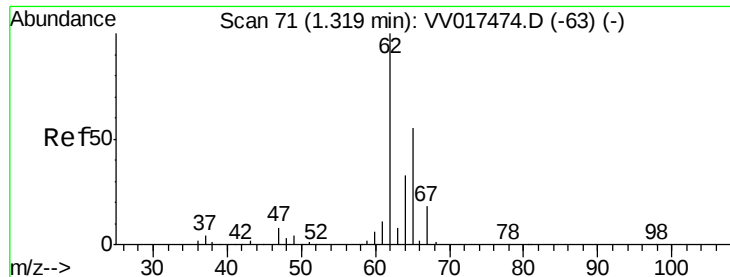
Tgt Ion: 50 Resp: 51159

Ion Ratio Lower Upper

50 100

52 34.4 21.4 39.8





#5

Vinyl chloride

Concen: 4.910 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

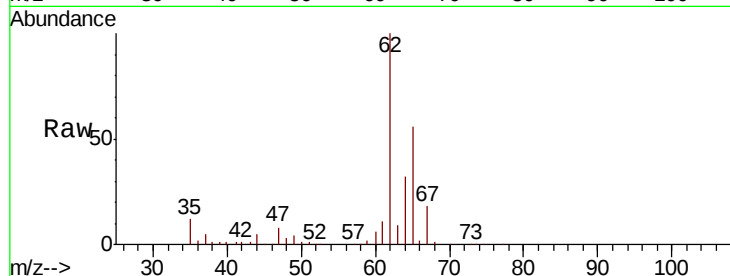
VSTD00551

Tot Ion: 62 Resp: 53394

Ion Ratio Lower Upper

62 100

64 31.7 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

60000

50000

40000

30000

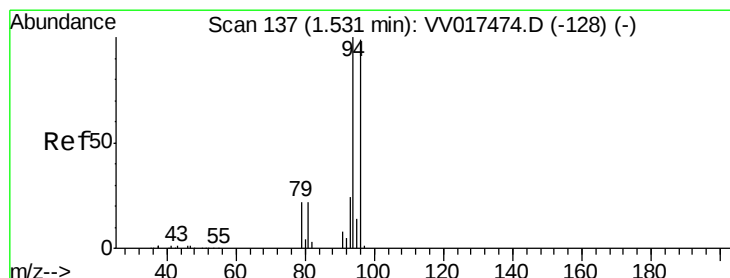
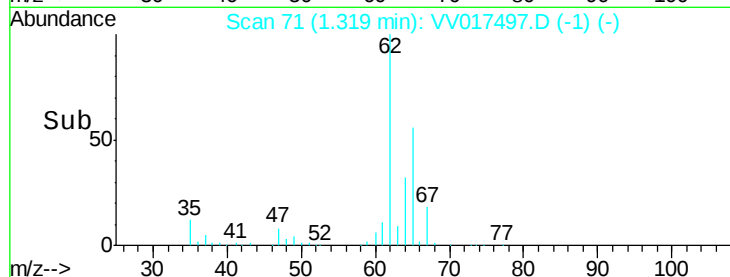
20000

10000

0

Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 4.694 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV017497.D

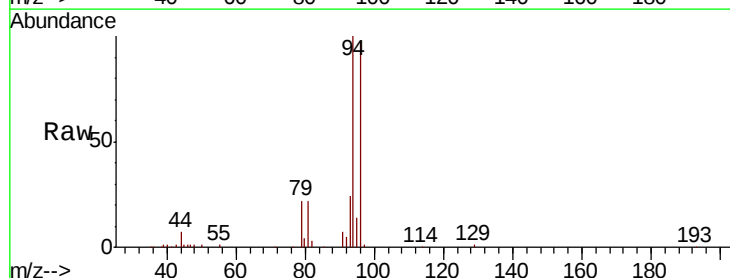
Acq: 14 Jul 2020 20:50

Tgt Ion: 94 Resp: 30812

Ion Ratio Lower Upper

94 100

96 97.2 69.0 128.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

30000

25000

20000

15000

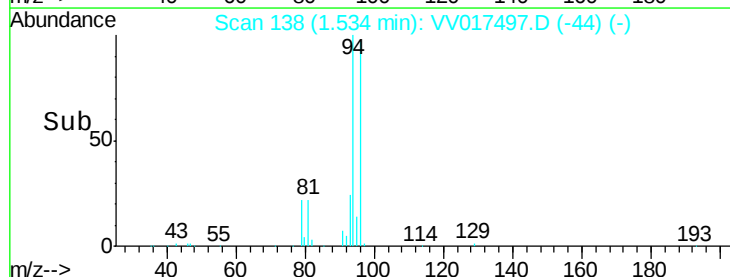
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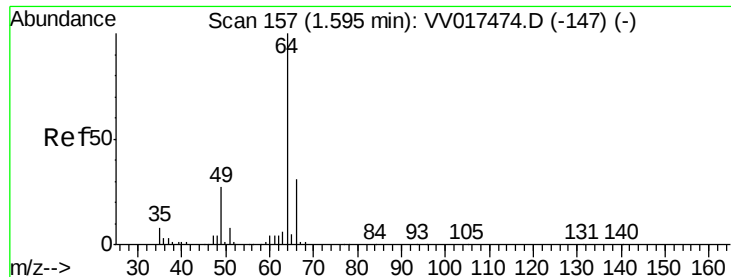
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Time-->

1.50 1.55 1.60

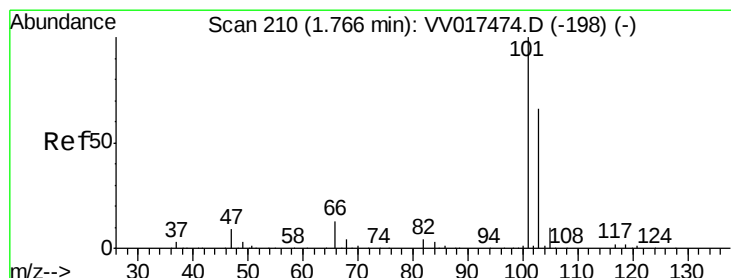
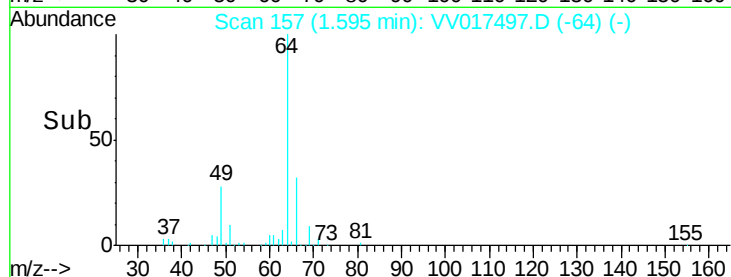
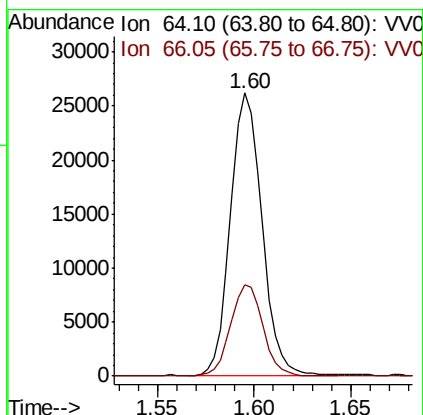
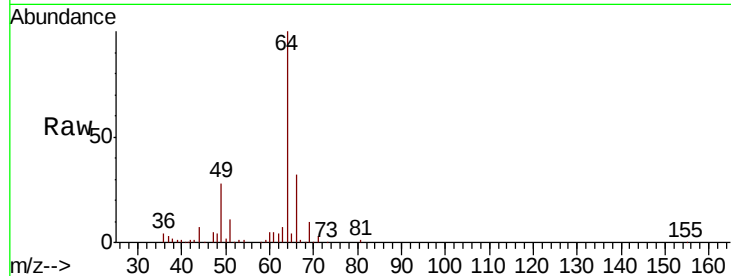




#8
Chloroethane
Concen: 4.744 ug/L
RT: 1.60 min Scan# 157
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

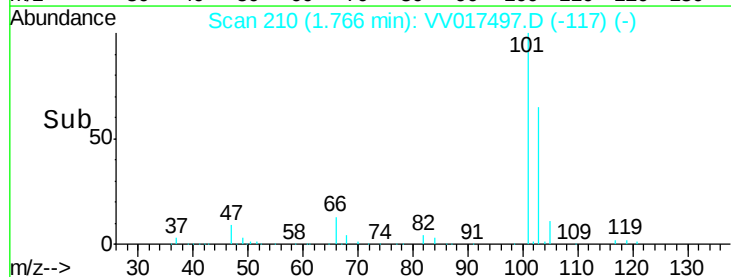
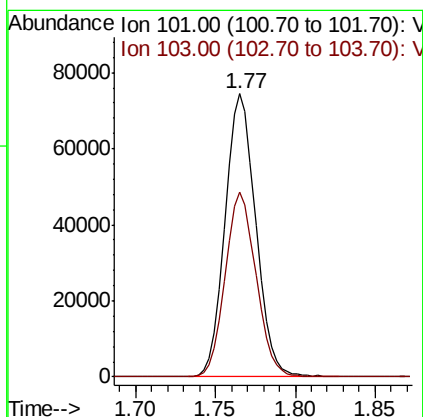
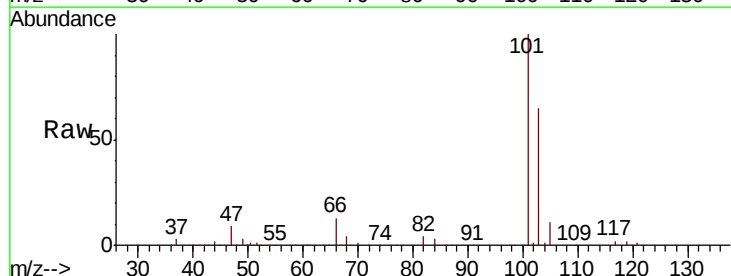
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

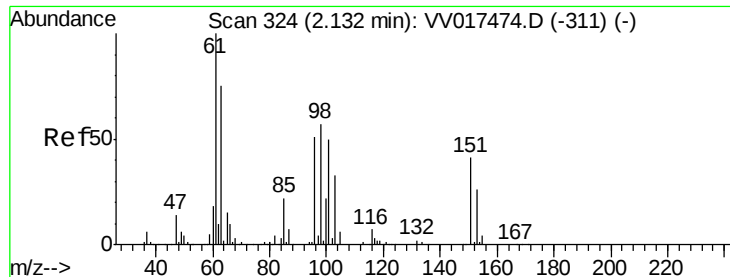
Tot Ion: 64 Resp: 29828
Ion Ratio Lower Upper
64 100
66 32.1 21.5 39.9



#9
Trichlorofluoromethane
Concen: 4.895 ug/L
RT: 1.77 min Scan# 210
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 101 Resp: 97332
Ion Ratio Lower Upper
101 100
103 65.5 52.3 78.5





#10

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

Concen: 4.822 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

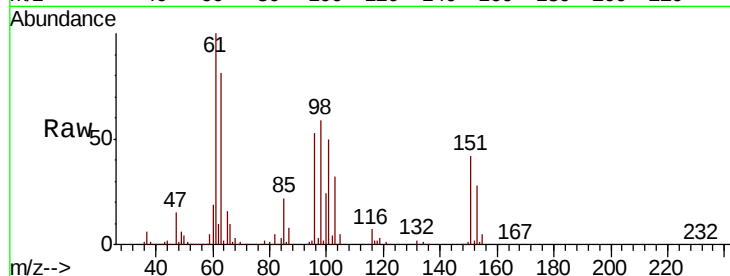
Tot Ion:101 Resp: 44099

Ion Ratio Lower Upper

101 100

85 45.6 35.4 53.2

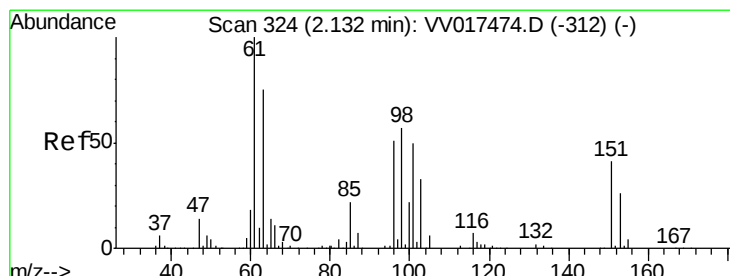
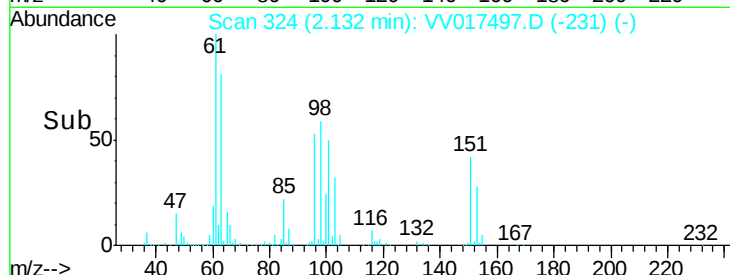
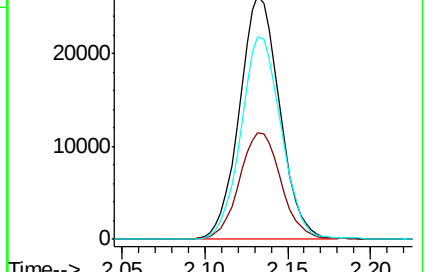
151 84.0 66.5 99.7



Abundance Ion 101.00 (100.70 to 101.70): VV017497.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV017497.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV017497.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 5.064 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

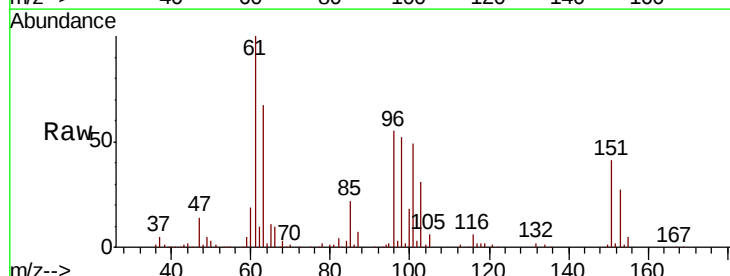
Tgt Ion: 96 Resp: 41052

Ion Ratio Lower Upper

96 100

61 181.9 137.2 254.8

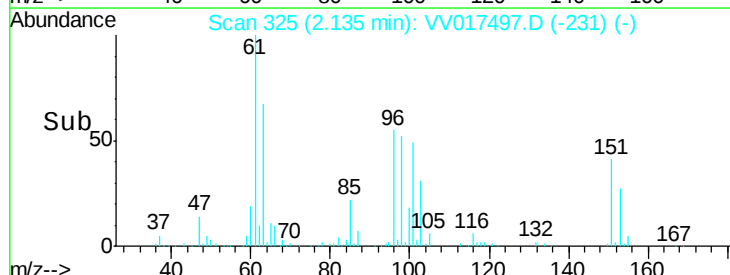
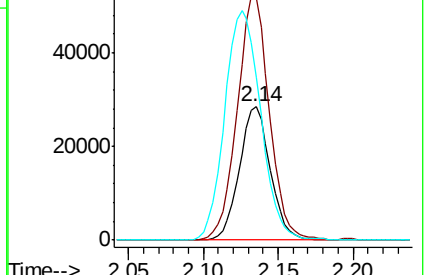
63 121.8 103.6 192.4

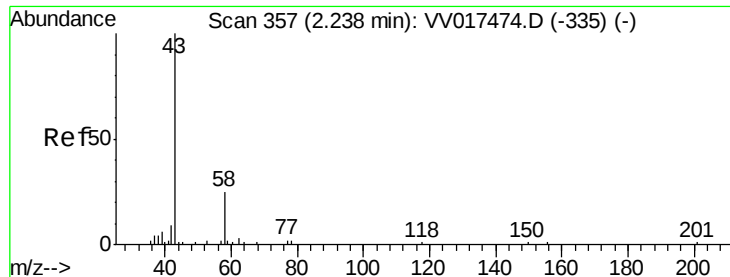


Abundance Ion 96.00 (95.70 to 96.70): VV017497.D (-231) (-)

Ion 61.05 (60.75 to 61.75): VV017497.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV017497.D (-231) (-)





#13

Acetone

Concen: 19.514 ug/L

RT: 2.23 min Scan# 353

Delta R.T. -0.01 min

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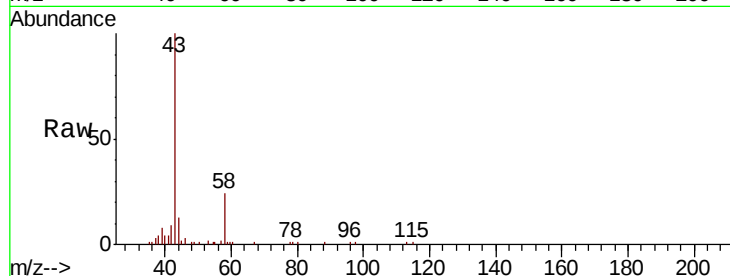
VSTD00551

Tot Ion: 43 Resp: 22782

Ion Ratio Lower Upper

43 100

58 41.0 0.0 33.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.23

12000

10000

8000

6000

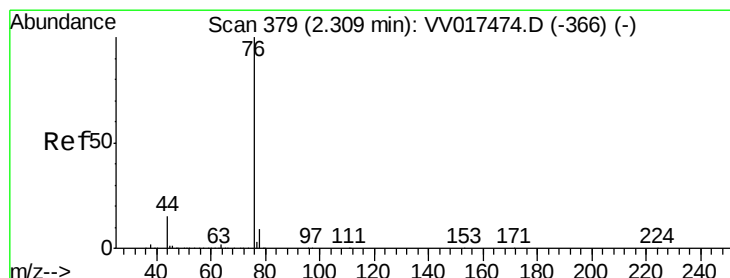
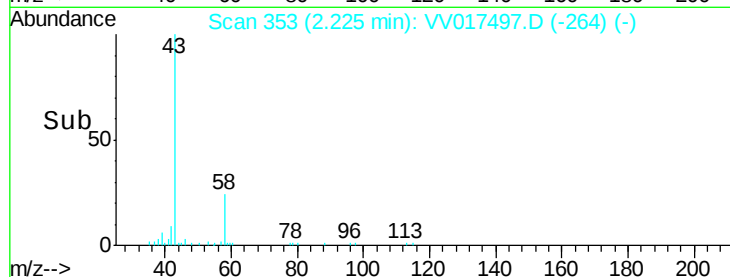
4000

2000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 4.775 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV017497.D

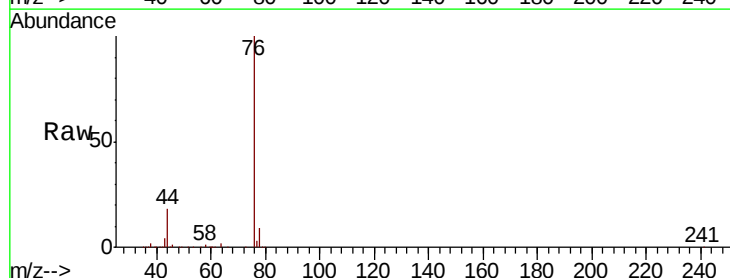
Acq: 14 Jul 2020 20:50

Tgt Ion: 76 Resp: 119825

Ion Ratio Lower Upper

76 100

78 8.9 7.5 11.3



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

80000

60000

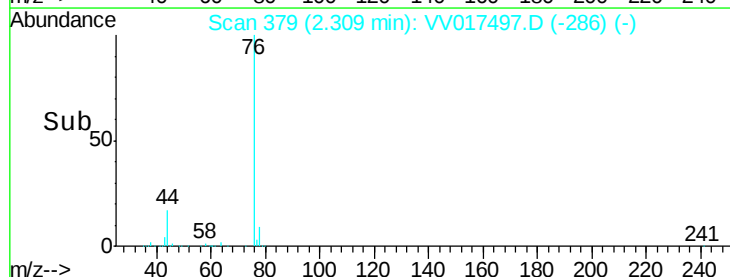
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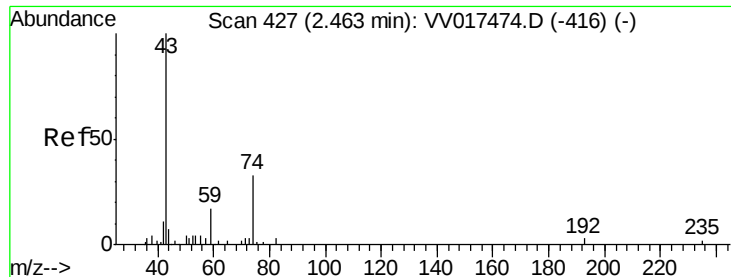
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Time-->

2.25 2.30 2.35 2.40

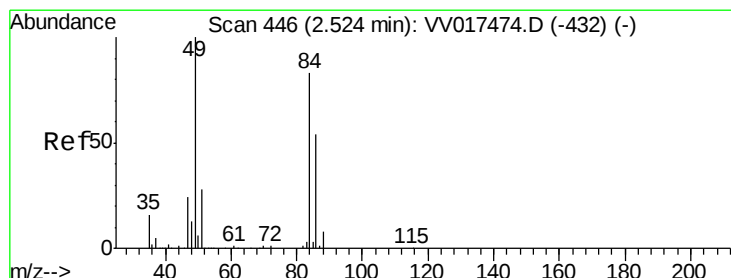
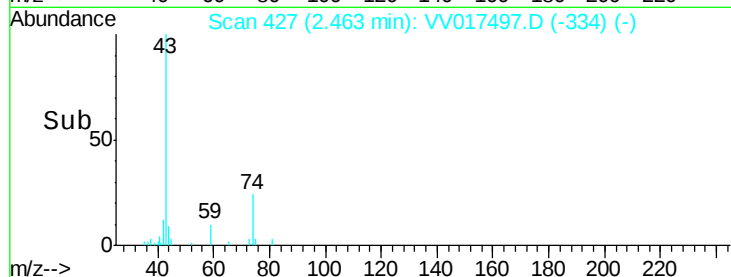
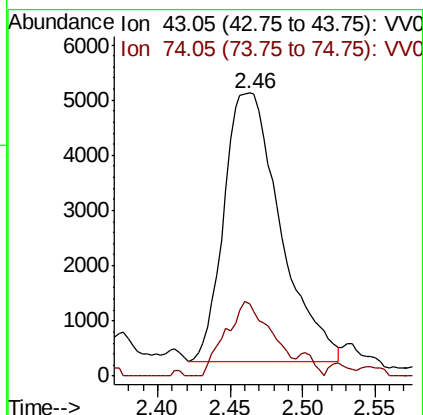
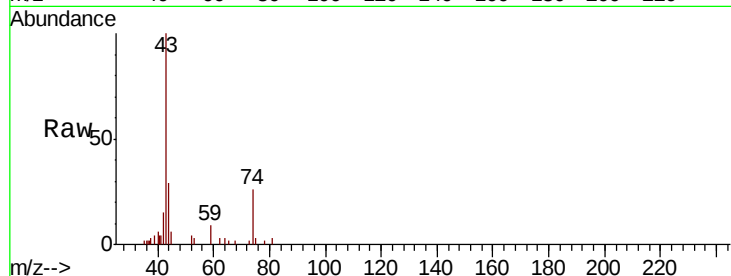




#15
Methvl Acetate
Concen: 5.808 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

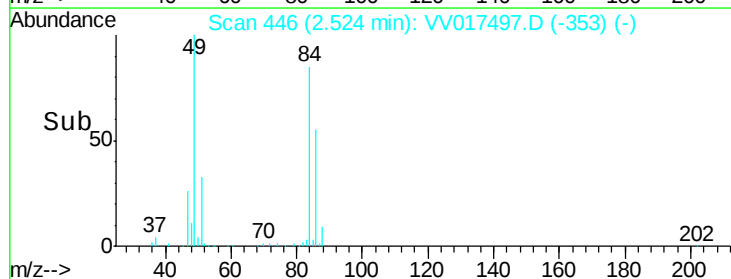
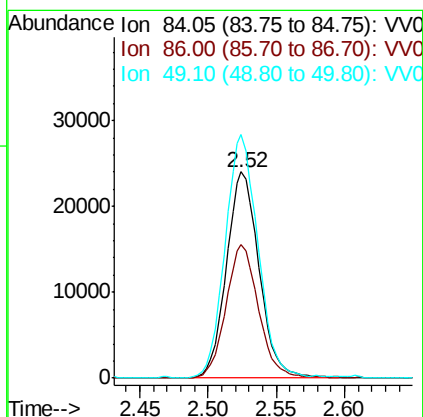
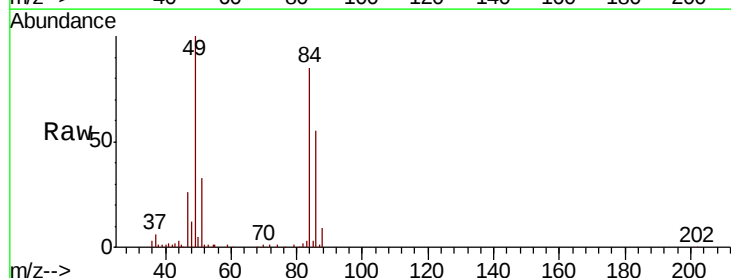
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

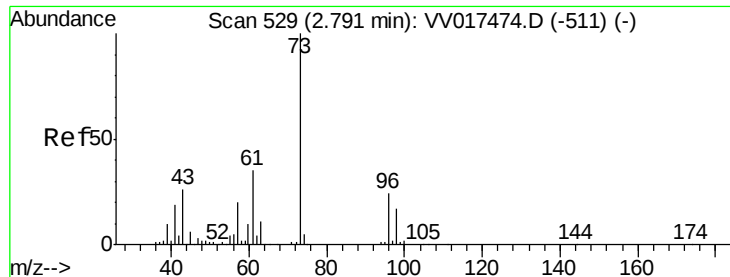
Tot Ion: 43 Resp: 13099
Ion Ratio Lower Upper
43 100
74 22.8 20.5 30.7



#16
Methylene chloride
Concen: 4.096 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 84 Resp: 39990
Ion Ratio Lower Upper
84 100
86 65.1 45.5 84.5
49 118.1 84.6 157.0

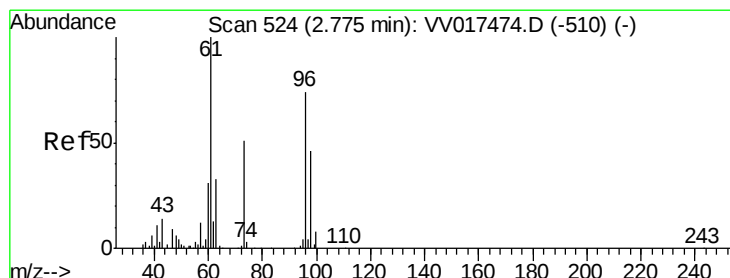
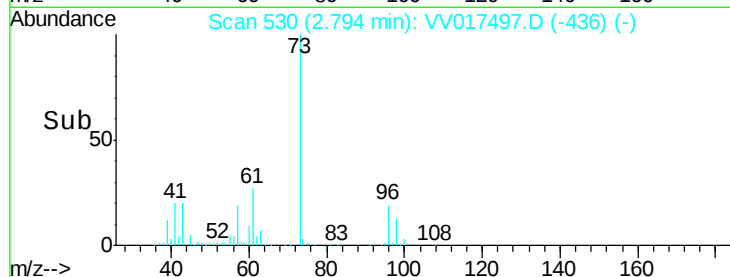
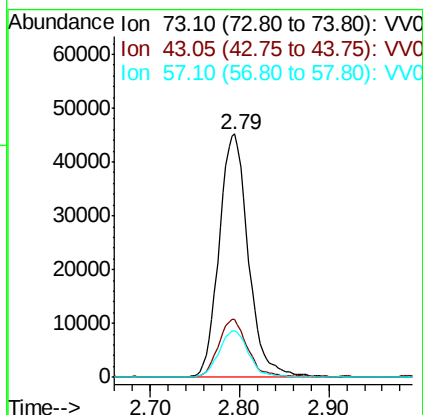
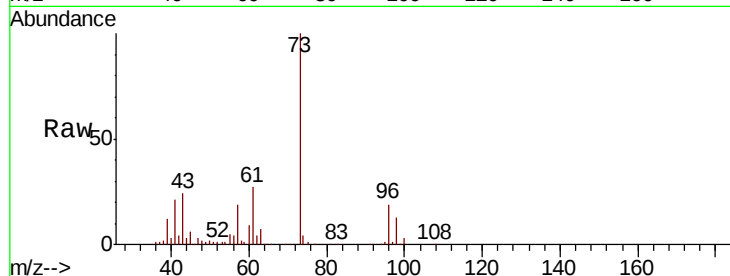




#17
Methvl tert-butvl Ether
Concen: 5.096 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

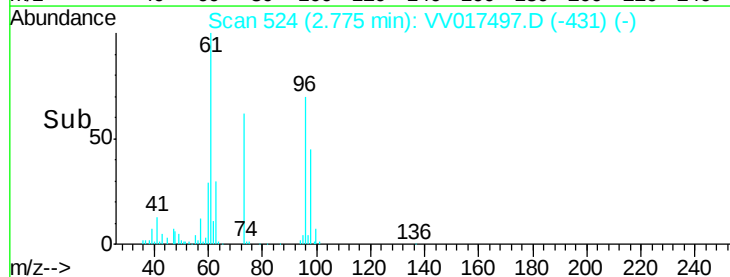
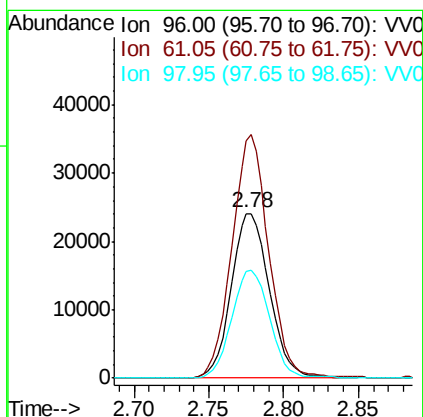
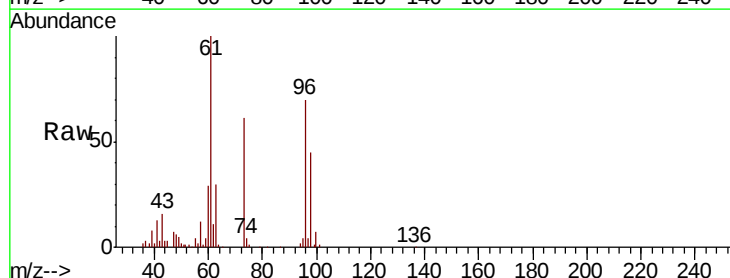
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

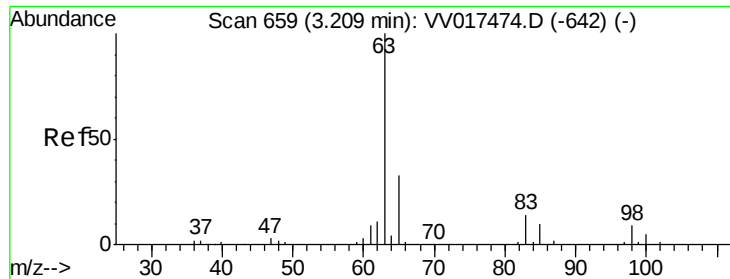
Tot Ion: 73 Resp: 102642
Ion Ratio Lower Upper
73 100
43 24.0 20.4 30.6
57 19.7 16.7 25.1



#18
trans-1,2-Dichloroethene
Concen: 4.903 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 96 Resp: 42617
Ion Ratio Lower Upper
96 100
61 143.7 95.1 176.7
98 64.9 43.5 80.7

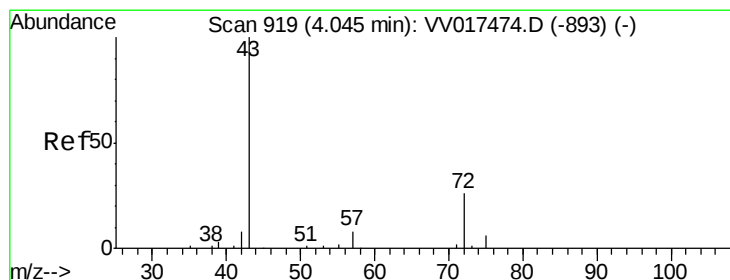
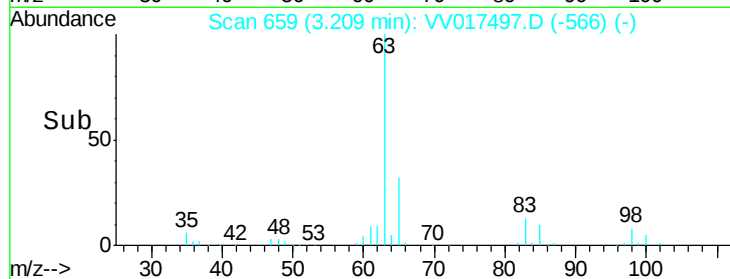
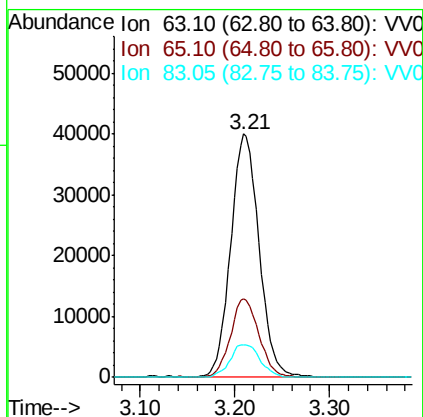
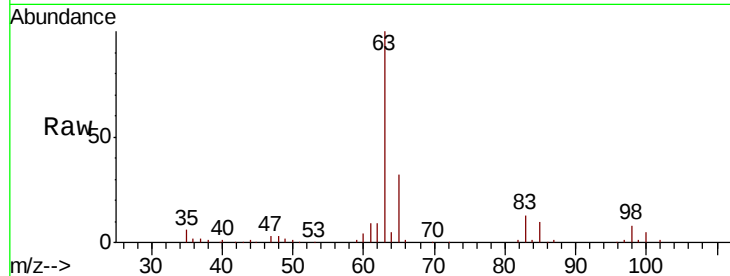




#19
 1,1-Dichloroethane
 Concen: 4.971 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

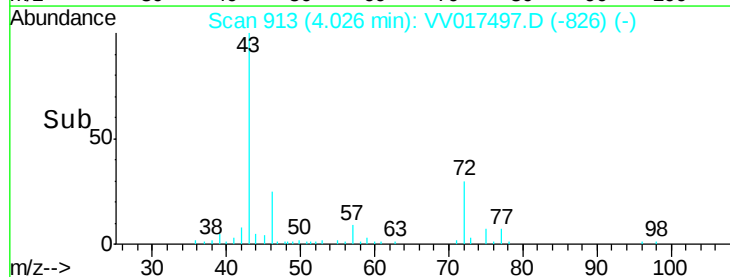
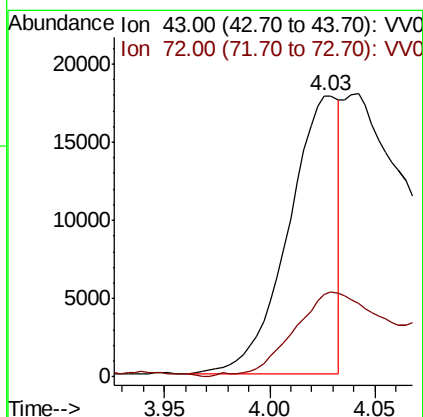
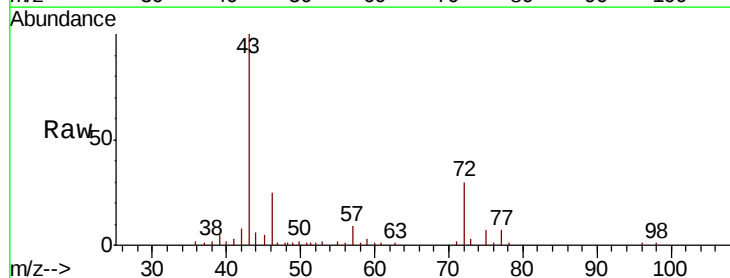
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

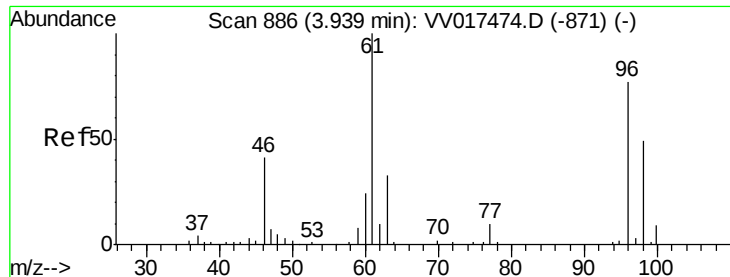
Tot Ion: 63 Resp: 83508
 Ion Ratio Lower Upper
 63 100
 65 32.3 23.2 43.0
 83 13.2 10.1 18.7



#21
 2-Butanone
 Concen: 16.320 ug/L
 RT: 4.03 min Scan# 913
 Delta R.T. -0.02 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Tgt Ion: 43 Resp: 29451
 Ion Ratio Lower Upper
 43 100
 72 53.0 3.4 10.1#



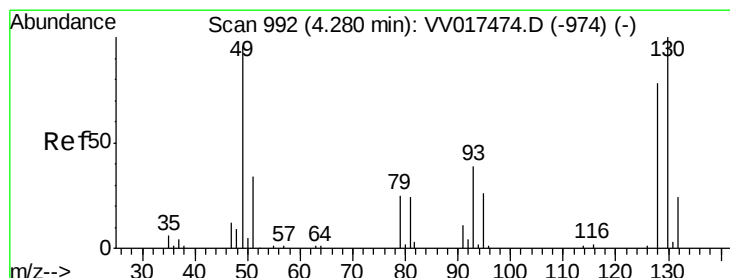
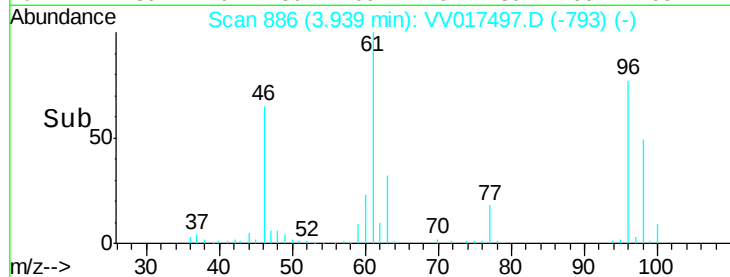
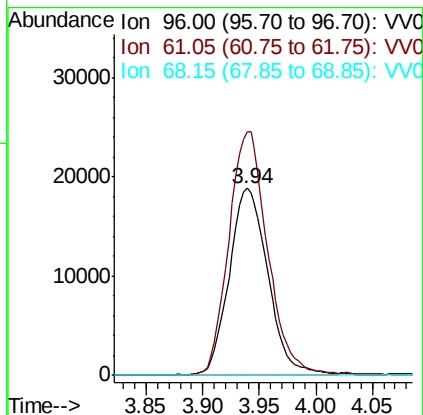
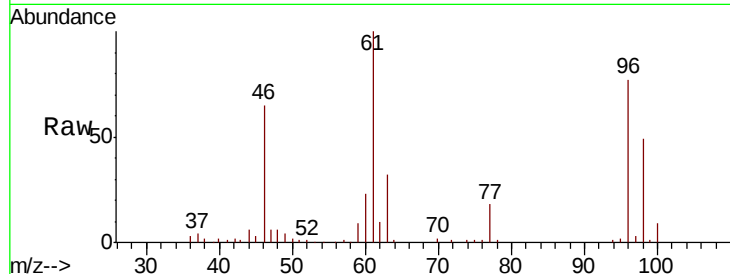


#22

cis-1,2-Dichloroethene
Concen: 4.780 ug/L
RT: 3.94 min Scan# 886
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

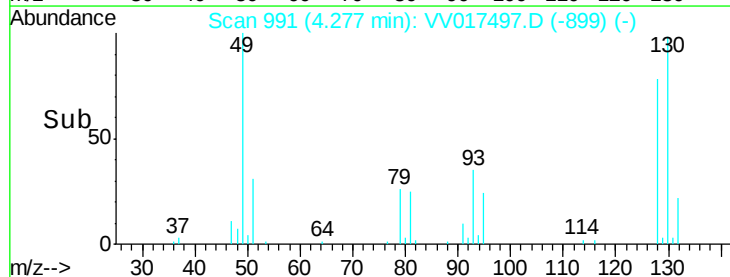
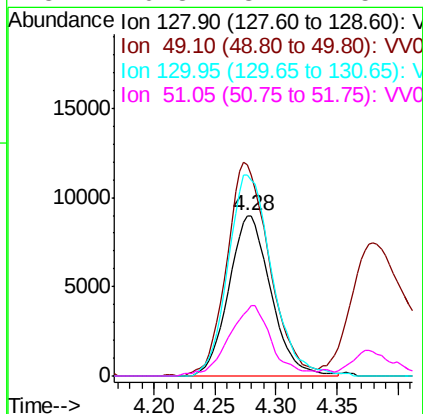
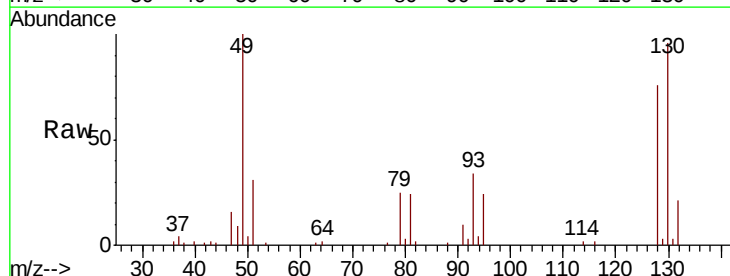
Tot Ion: 96 Resp: 45044
Ion Ratio Lower Upper
96 100
61 130.4 91.5 169.9
68 0.0 0.0 0.0

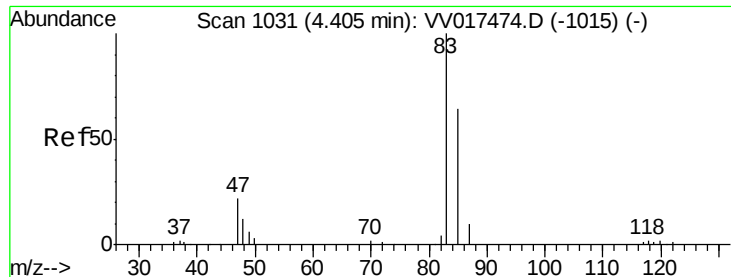


#23

Bromochloromethane
Concen: 5.077 ug/L
RT: 4.28 min Scan# 991
Delta R.T. -0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 128 Resp: 21542
Ion Ratio Lower Upper
128 100
49 131.3 86.0 159.6
130 125.6 89.7 166.5
51 40.8 34.7 52.1

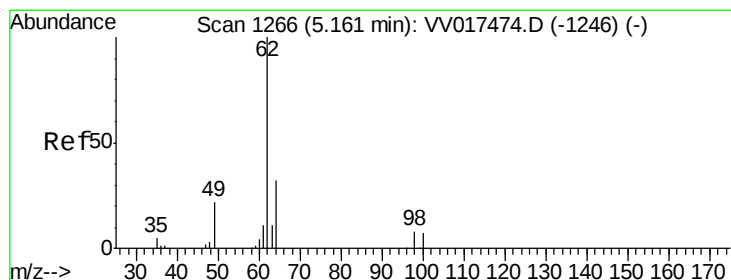
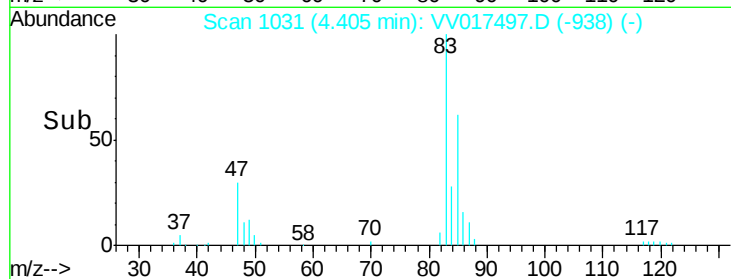
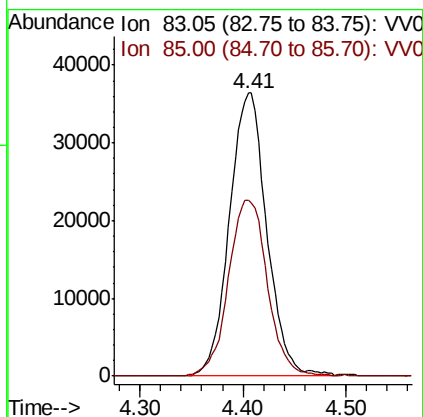
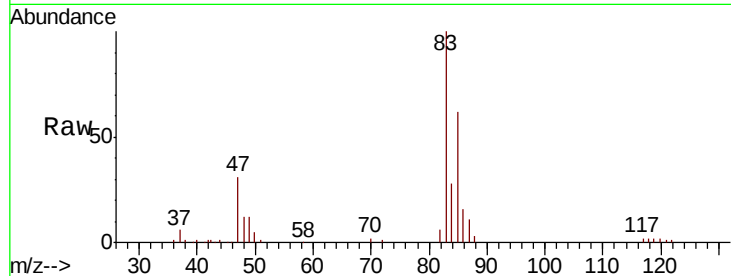




#25
Chloroform
Concen: 5.065 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

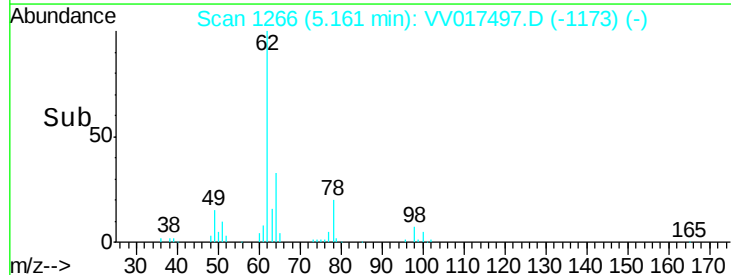
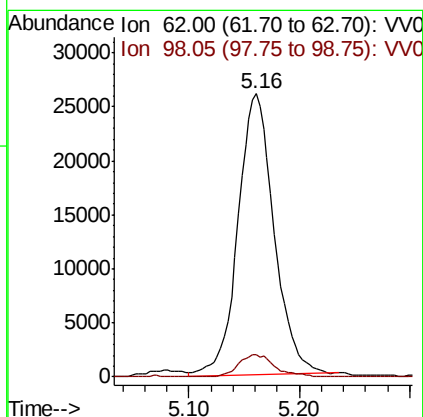
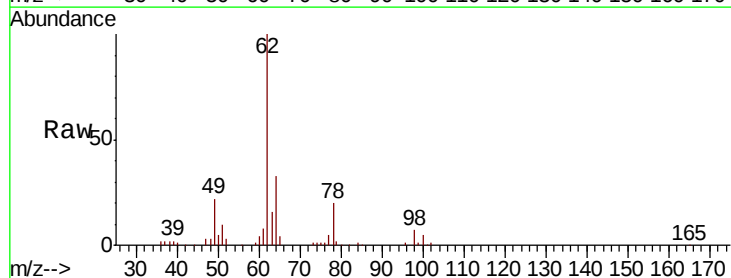
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

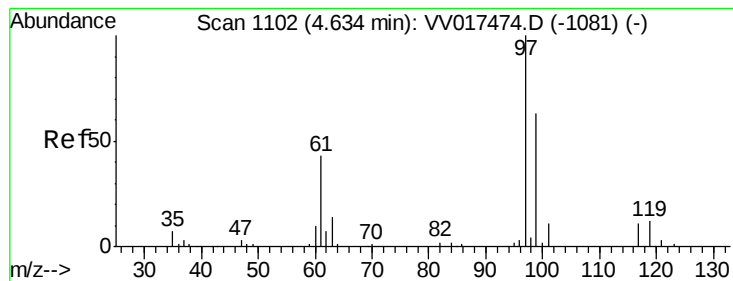
Tot Ion: 83 Resp: 91800
Ion Ratio Lower Upper
83 100
85 62.2 45.4 84.4



#27
1,2-Dichloroethane
Concen: 4.967 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 62 Resp: 58893
Ion Ratio Lower Upper
62 100
98 7.7 6.2 9.2





#29

1,1,1-Trichloroethane

Concen: 4.845 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

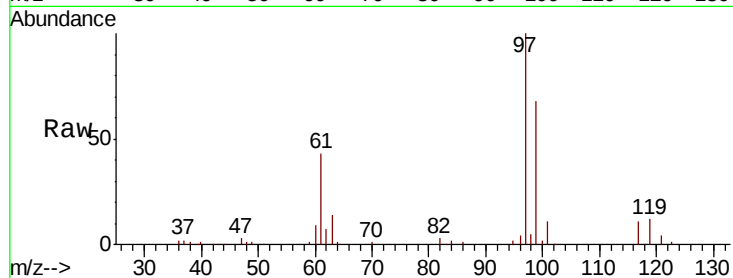
Tot Ion: 97 Resp: 89591

Ion Ratio Lower Upper

97 100

99 65.2 49.1 73.7

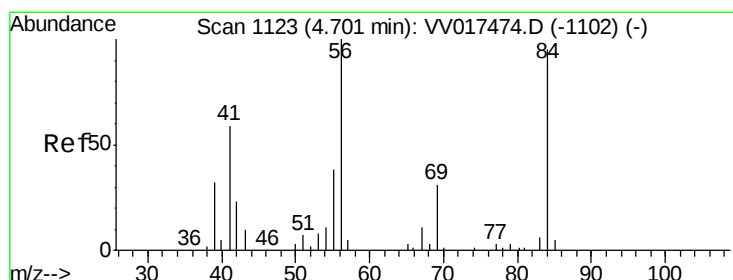
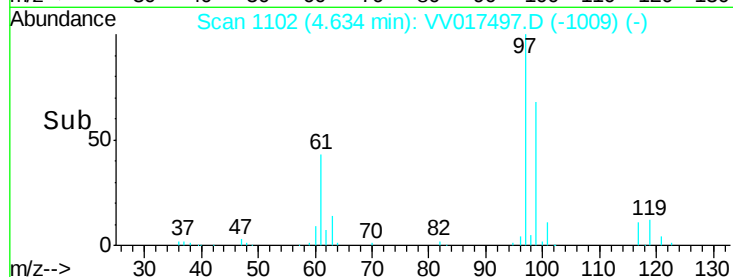
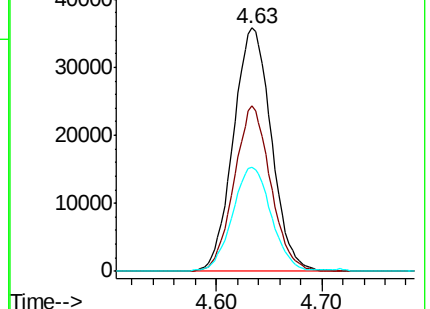
61 44.0 34.3 51.5



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.712 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

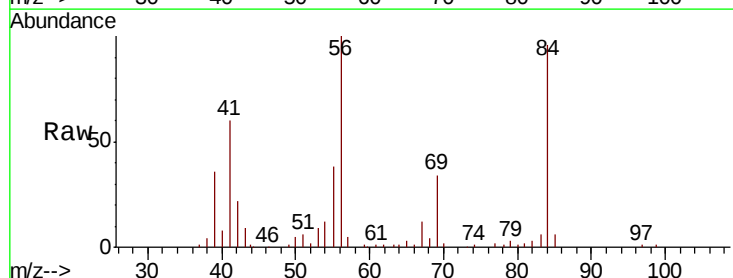
Tgt Ion: 56 Resp: 66324

Ion Ratio Lower Upper

56 100

69 33.5 26.0 39.0

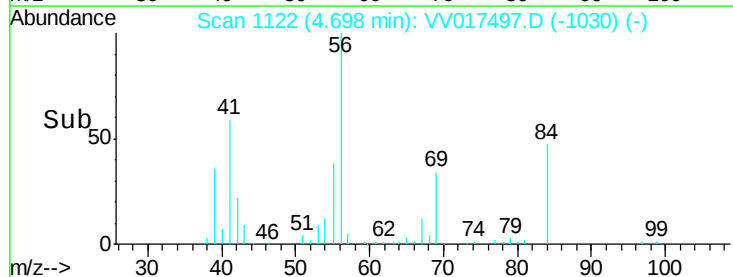
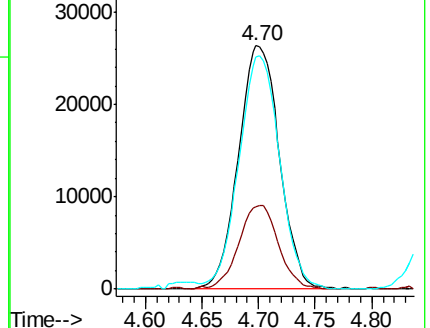
84 95.7 77.9 116.9

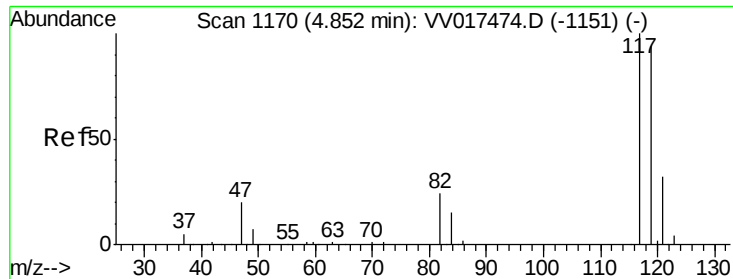


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.786 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

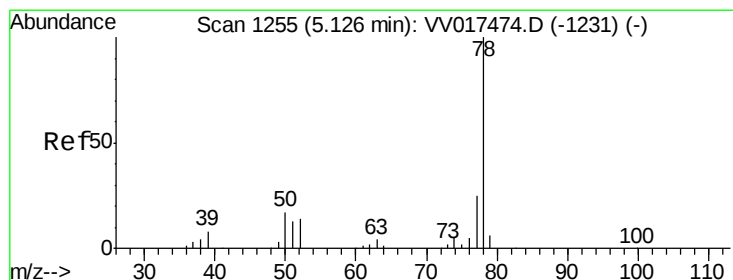
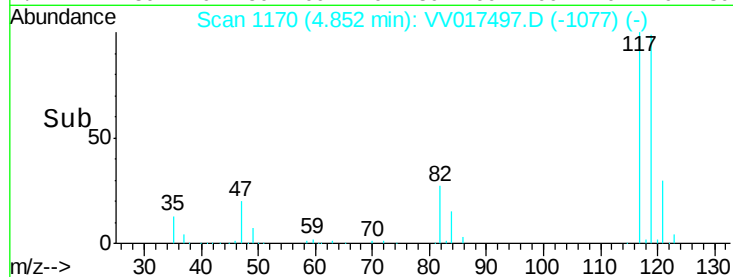
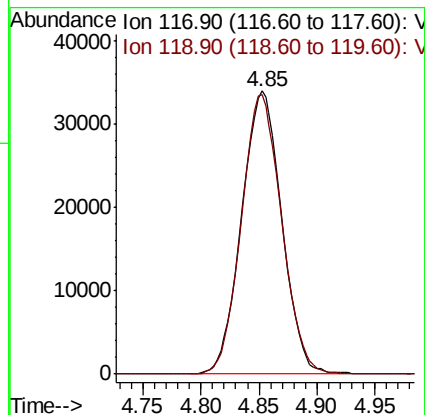
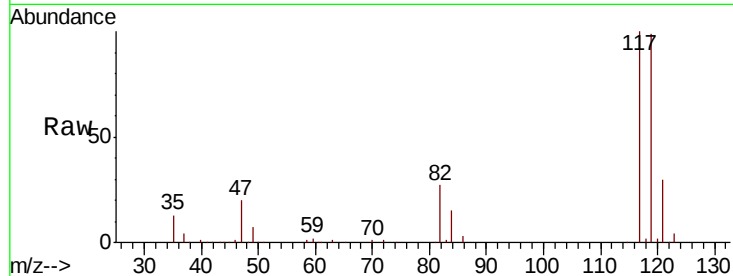
VSTD00551

Tot Ion:117 Resp: 81859

Ion Ratio Lower Upper

117 100

119 99.0 77.6 116.4



#33

Benzene

Concen: 4.880 ug/L

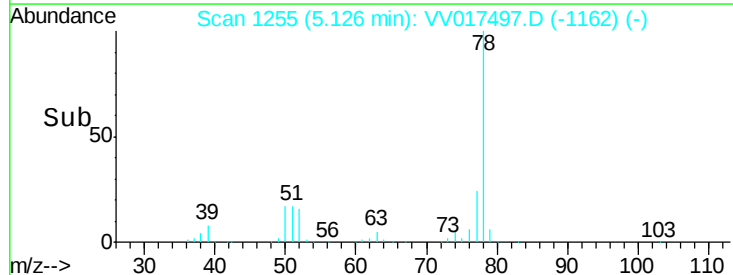
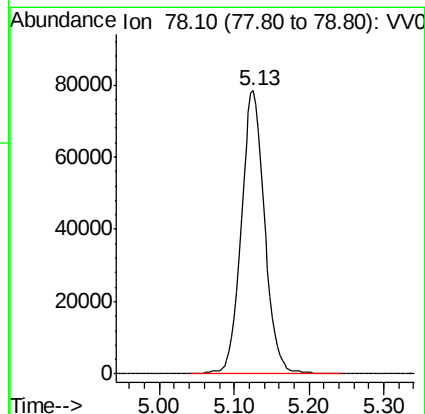
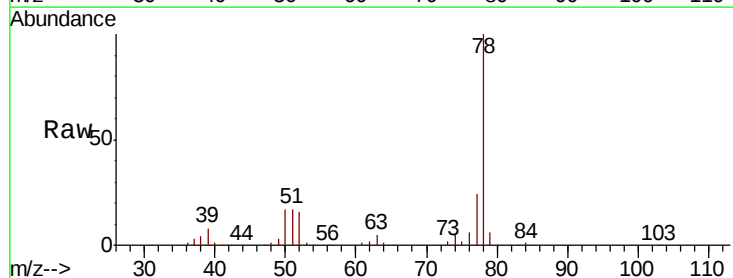
RT: 5.13 min Scan# 1255

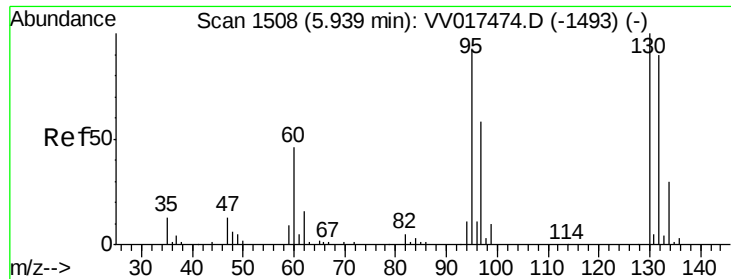
Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Tgt Ion: 78 Resp: 169797





#34

Trichloroethene

Concen: 4.744 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tot Ion: 95 Resp: 50395

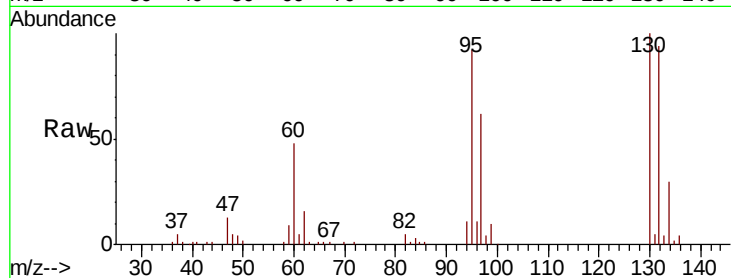
Ion Ratio Lower Upper

95 100

97 67.1 43.9 81.5

132 101.3 67.9 126.1

130 108.2 75.2 139.6

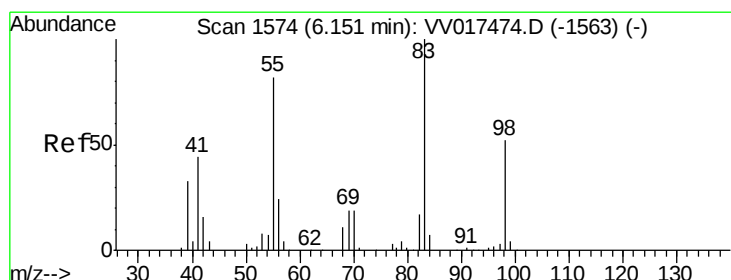
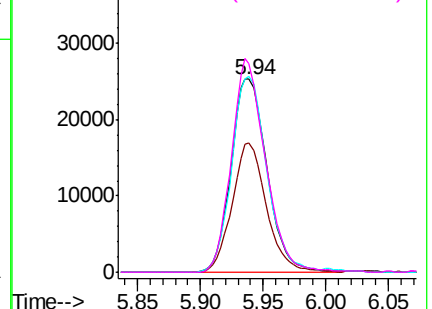
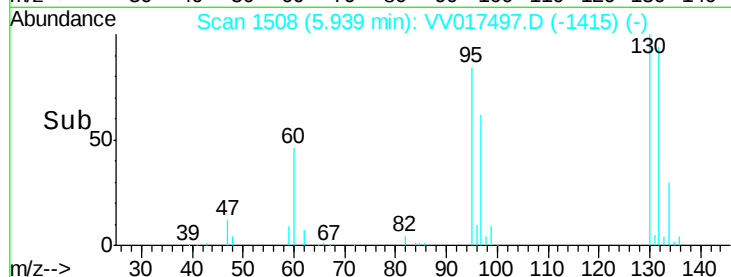


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 4.685 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

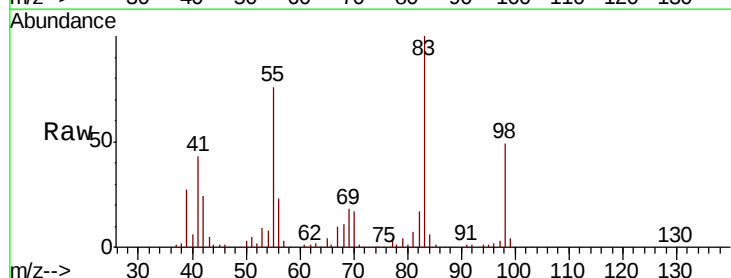
Tgt Ion: 83 Resp: 73246

Ion Ratio Lower Upper

83 100

55 76.0 62.0 93.0

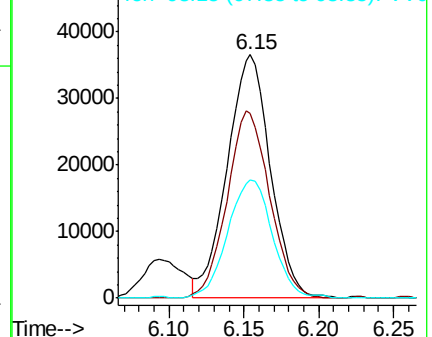
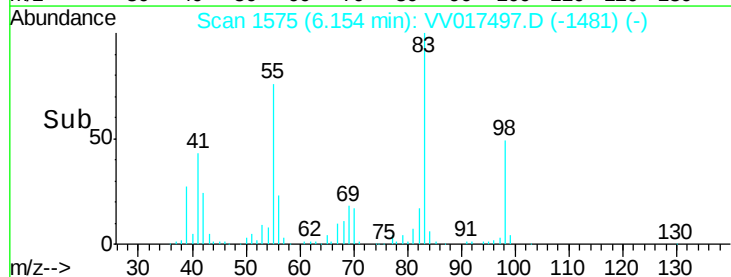
98 50.4 41.4 62.2

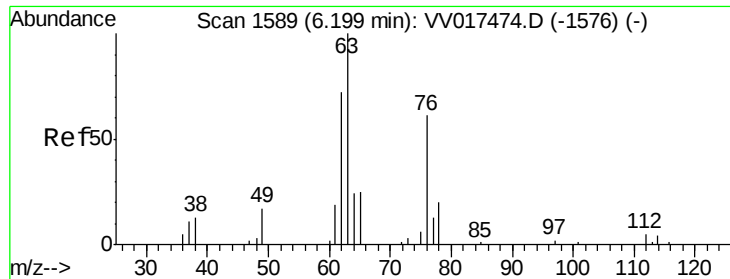


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

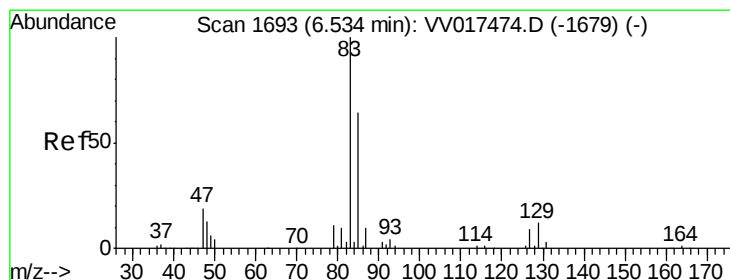
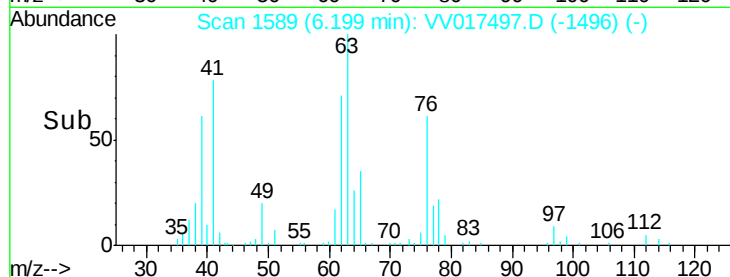
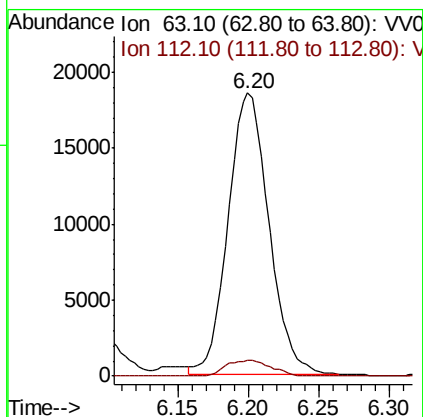
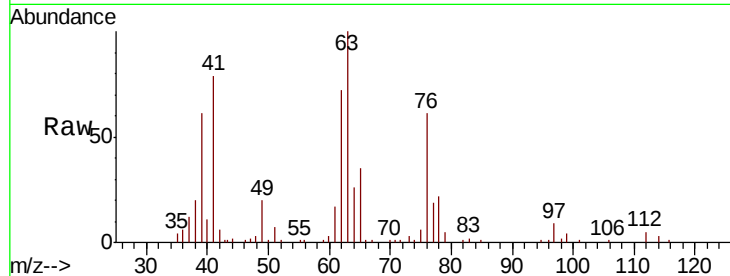




#37
 1,2-Dichloropropane
 Concen: 4.640 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

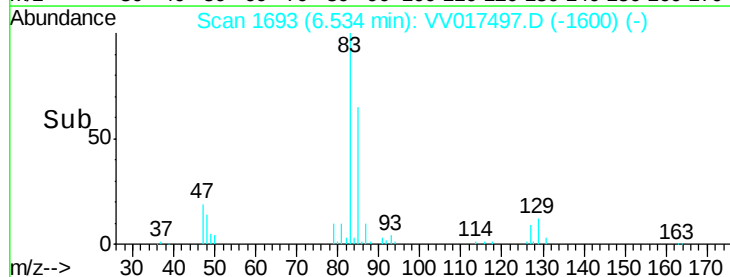
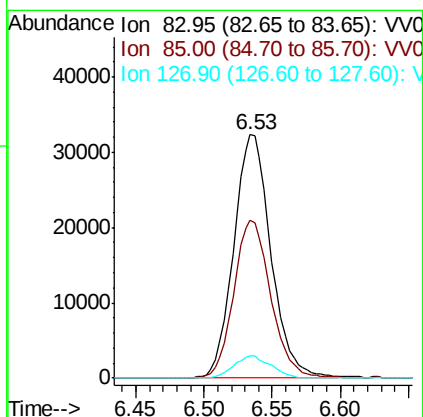
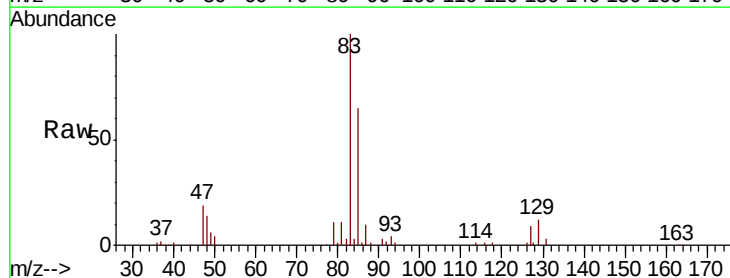
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

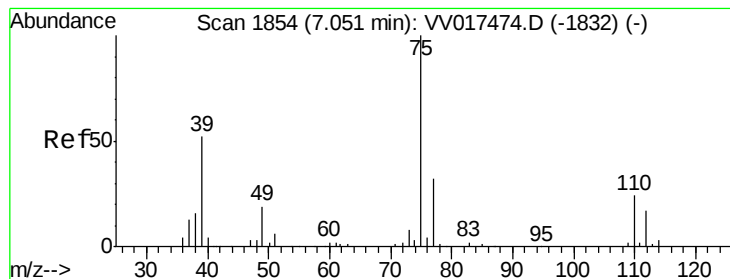
Tot Ion: 63 Resp: 37376
 Ion Ratio Lower Upper
 63 100
 112 6.2 4.4 6.6



#38
 Bromodichloromethane
 Concen: 4.898 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Tgt Ion: 83 Resp: 61117
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.0 83.6
 127 9.2 7.5 11.3



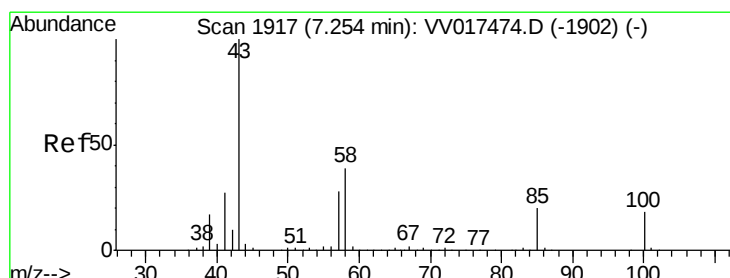
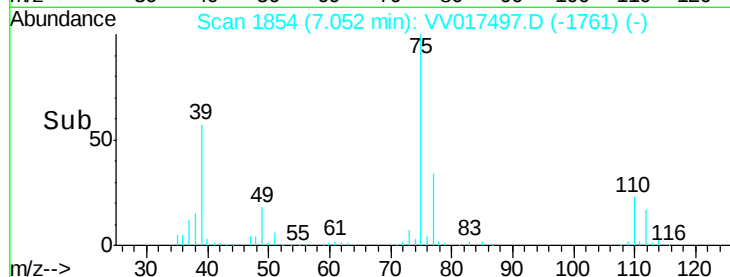
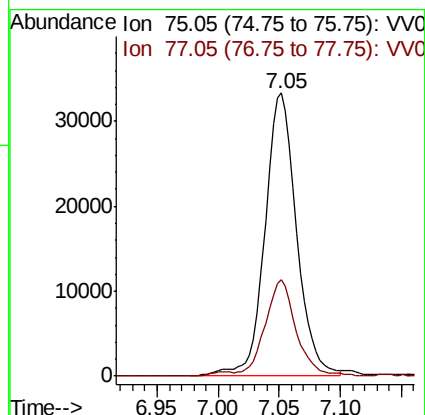
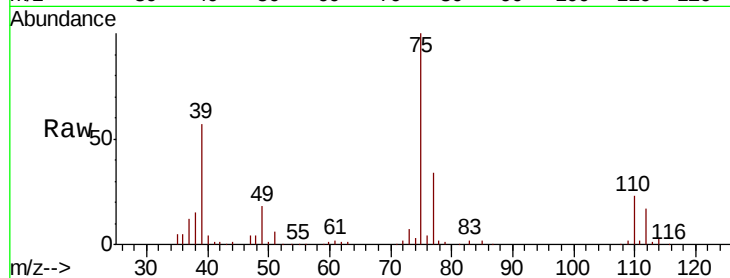


#39

cis-1,3-Dichloropropene
 Concen: 4.658 ug/L
 RT: 7.05 min Scan# 1854
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

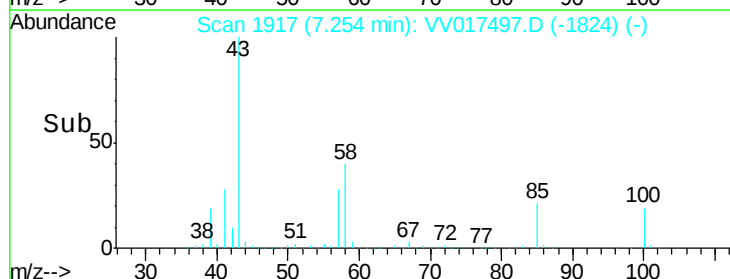
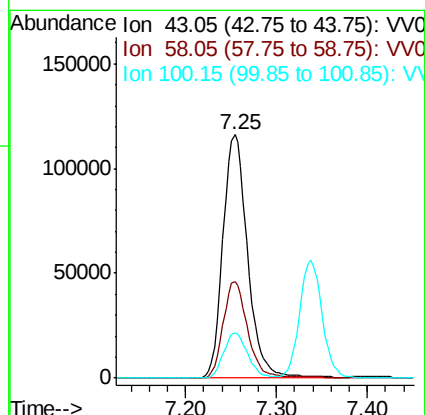
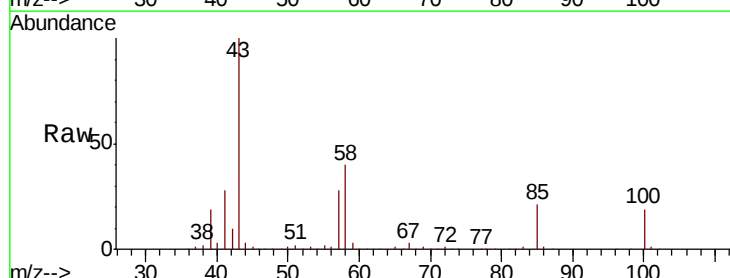
Tot Ion: 75 Resp: 60355
 Ion Ratio Lower Upper
 75 100
 77 34.1 22.3 41.5

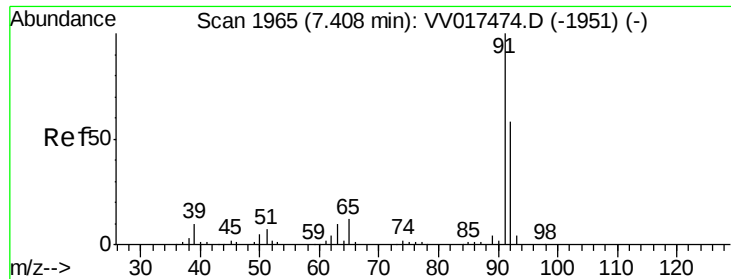


#40

4-Methyl-2-pentanone
 Concen: 51.681 ug/L
 RT: 7.25 min Scan# 1917
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Tgt Ion: 43 Resp: 220026
 Ion Ratio Lower Upper
 43 100
 58 38.9 31.0 46.4
 100 18.1 14.4 21.6





#42

Toluene

Concen: 4.991 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

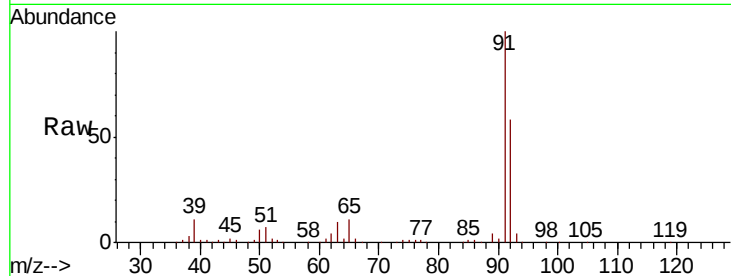
VSTD00551

Tot Ion: 91 Resp: 191751

Ion Ratio Lower Upper

91 100

92 57.9 40.7 75.5



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

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

7.41

120000

100000

80000

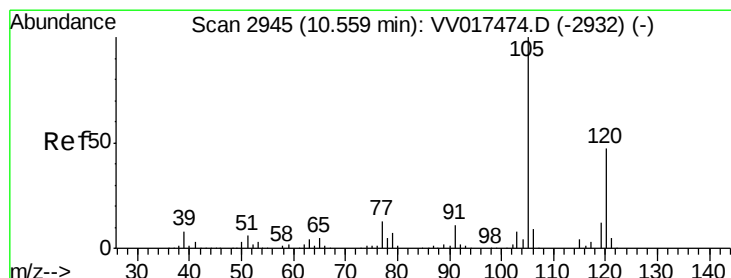
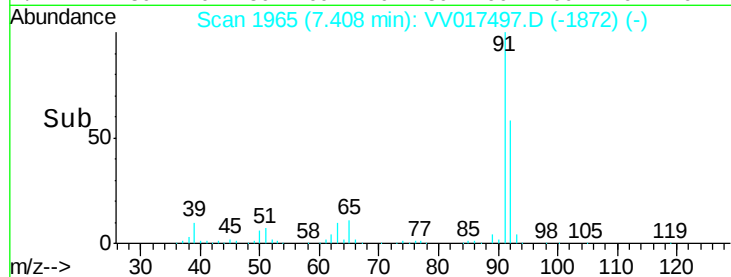
60000

40000

20000

0

Time-->



#43

1,3,5-Trimethylbenzene

Concen: 4.971 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV017497.D

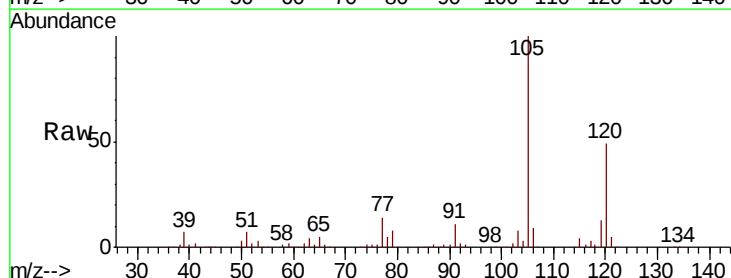
Acq: 14 Jul 2020 20:50

Tgt Ion:105 Resp: 189559

Ion Ratio Lower Upper

105 100

120 48.2 38.6 58.0



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

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

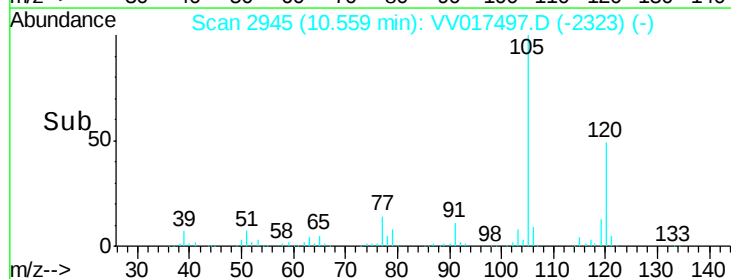
150000

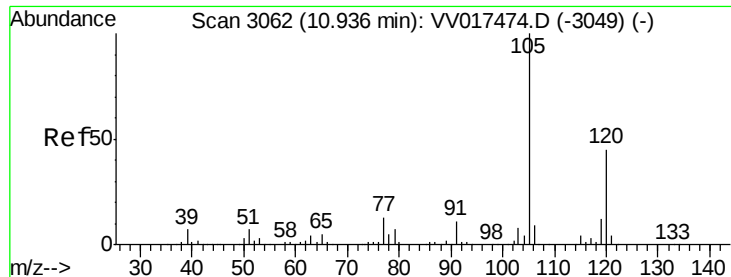
100000

50000

0

Time-->

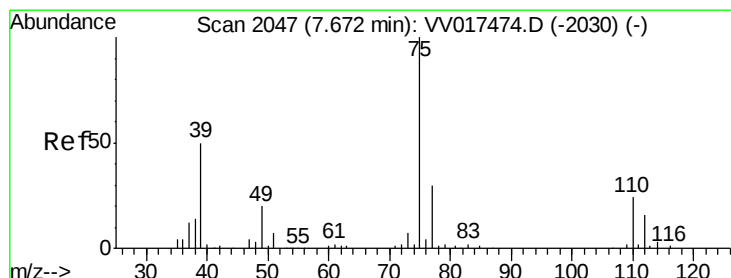
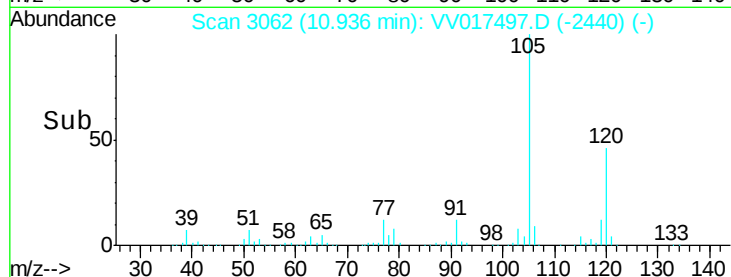
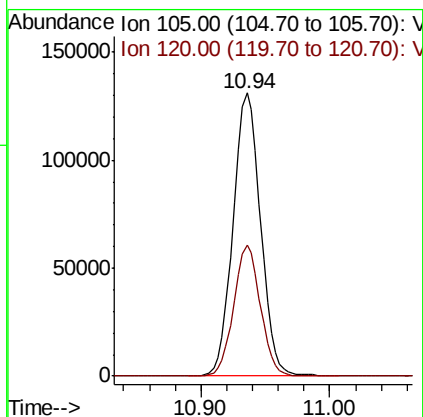
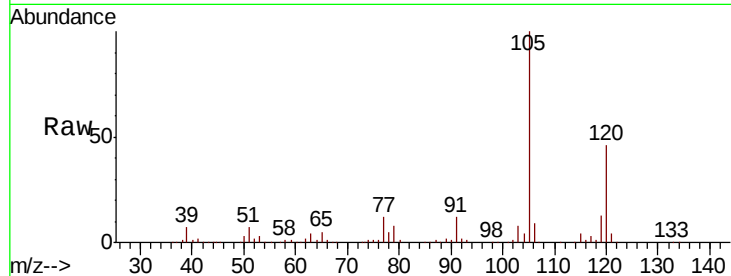




#44
 1,2,4-Trimethylbenzene
 Concen: 5.102 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

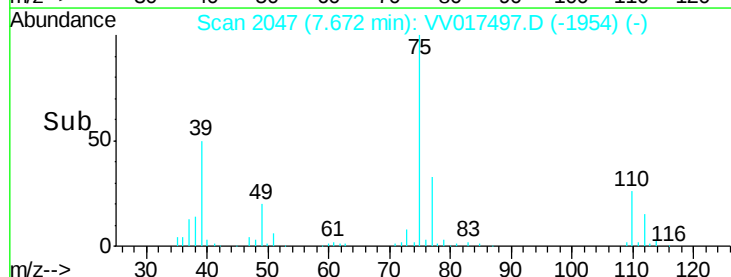
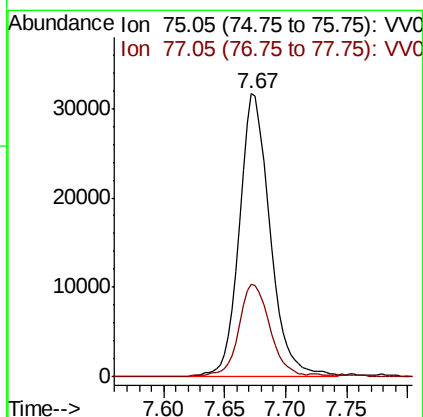
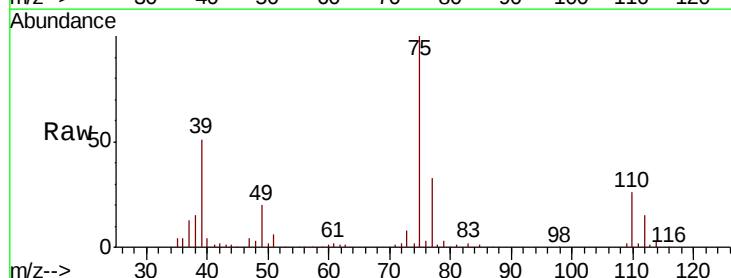
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

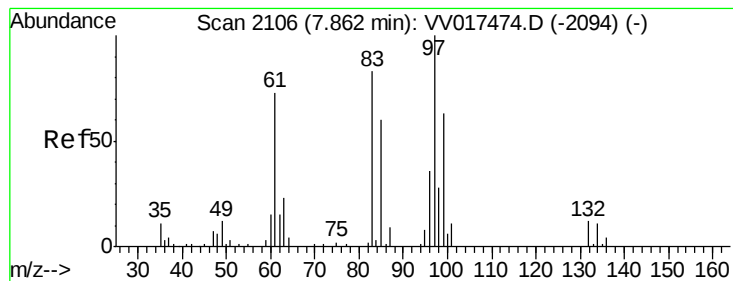
Tot Ion:105 Resp: 193788
 Ion Ratio Lower Upper
 105 100
 120 44.9 35.6 53.4



#46
 trans-1,3-Dichloropropene
 Concen: 4.841 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Tgt Ion: 75 Resp: 55203
 Ion Ratio Lower Upper
 75 100
 77 32.6 21.2 39.4





#47

1,1,2-Trichloroethane

Concen: 4.971 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

Tot Ion: 97 Resp: 29917

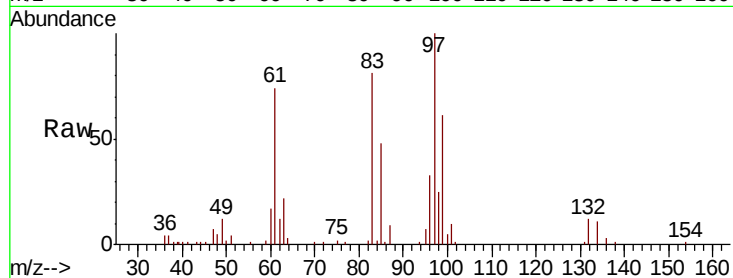
Ion Ratio Lower Upper

97 100

99 60.8 44.0 81.6

83 80.8 57.7 107.3

85 47.9 41.9 77.9



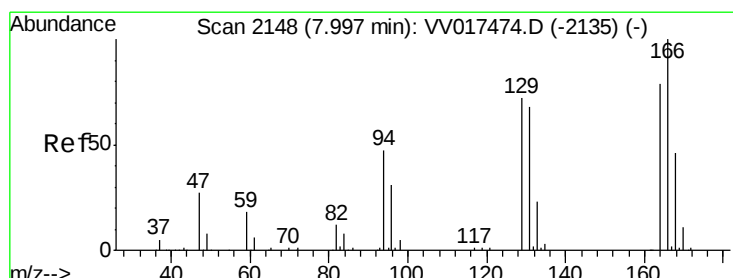
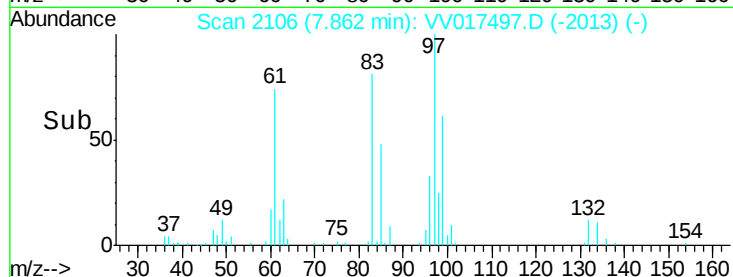
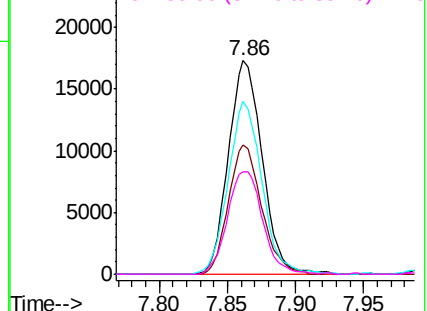
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#49

Tetrachloroethene

Concen: 4.884 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Tgt Ion: 164 Resp: 44157

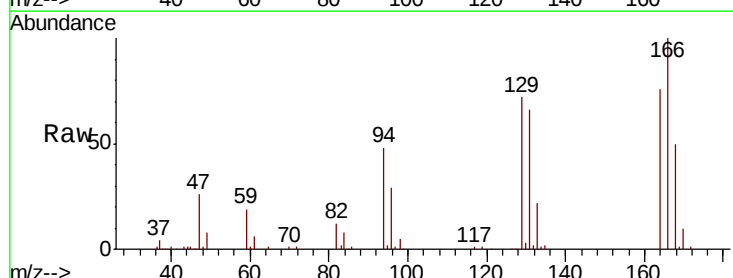
Ion Ratio Lower Upper

164 100

129 94.1 64.1 119.1

131 86.3 60.6 112.6

166 131.3 88.8 164.8



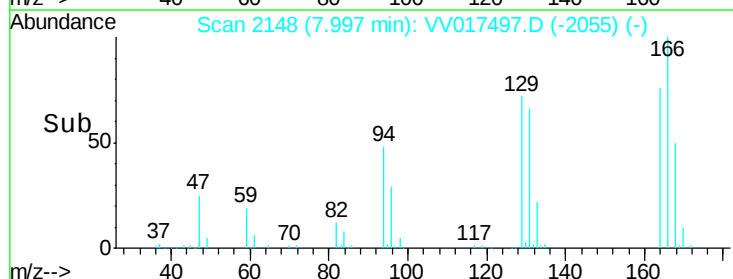
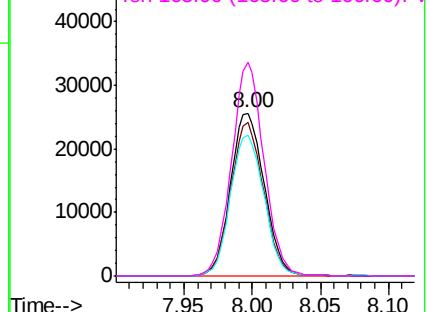
Abundance

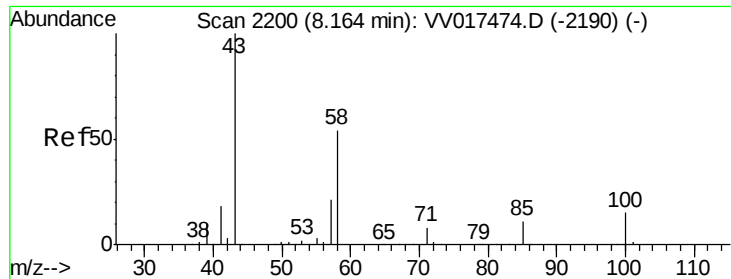
Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

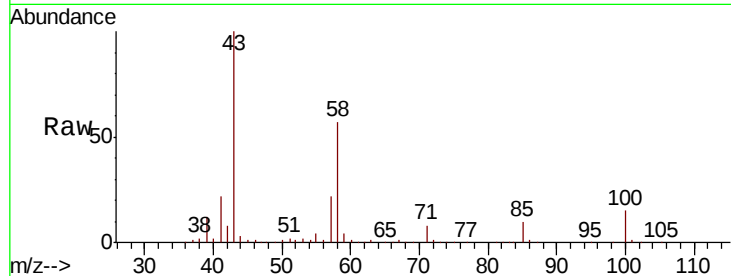




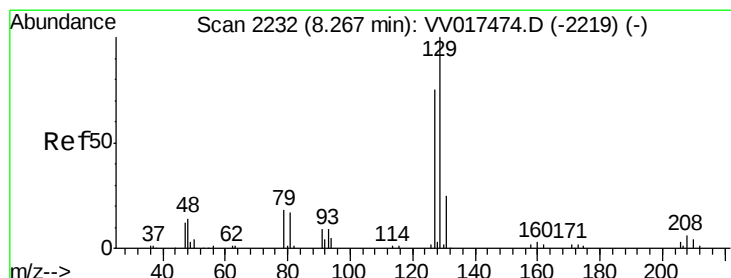
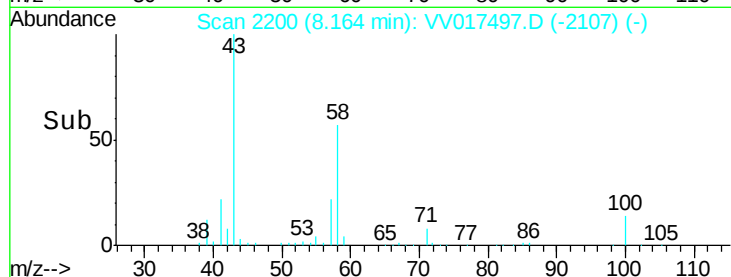
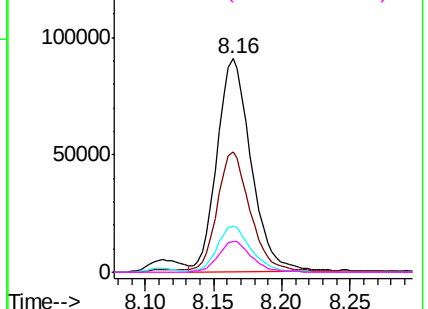
#50
2-Hexanone
Concen: 49.969 ug/L
RT: 8.16 min Scan# 2200
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

Tot Ion: 43 Resp: 156298
Ion Ratio Lower Upper
43 100
58 54.7 43.0 64.4
57 21.4 16.8 25.2
100 14.3 11.8 17.6

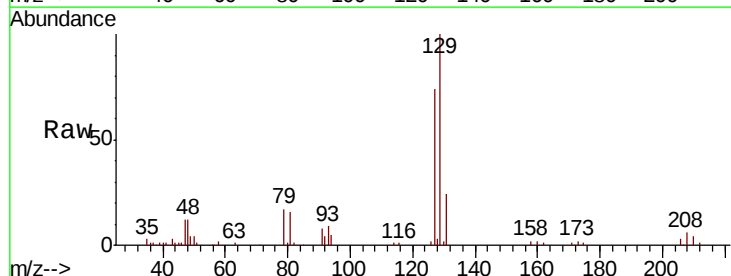


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

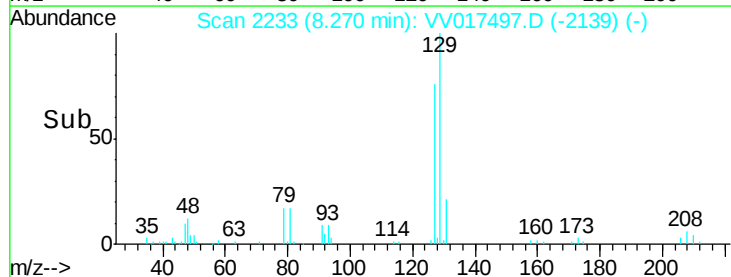
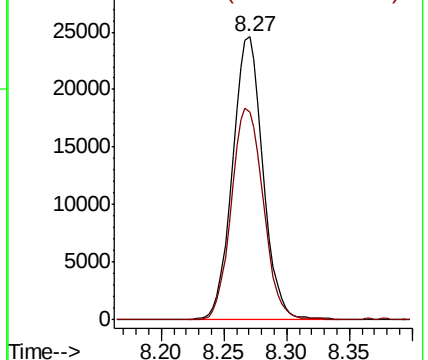


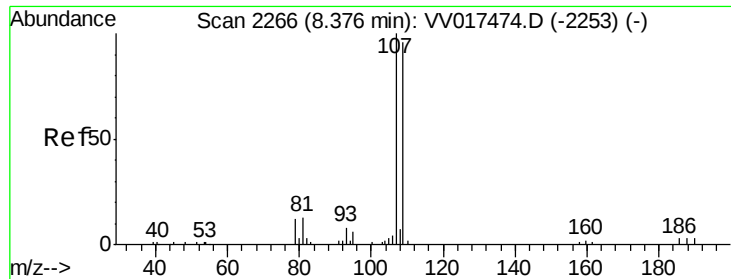
#51
Dibromochloromethane
Concen: 4.996 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 129 Resp: 41434
Ion Ratio Lower Upper
129 100
127 73.6 52.4 97.4



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V

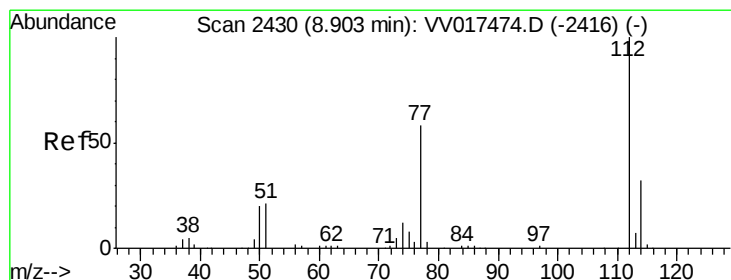
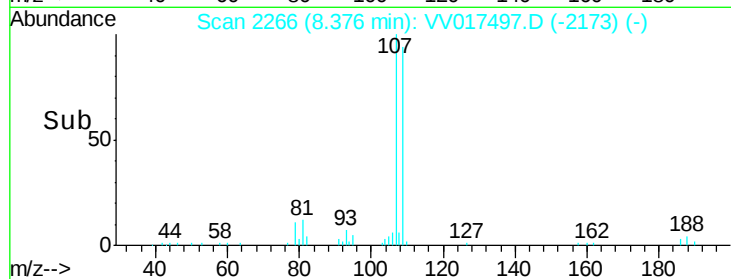
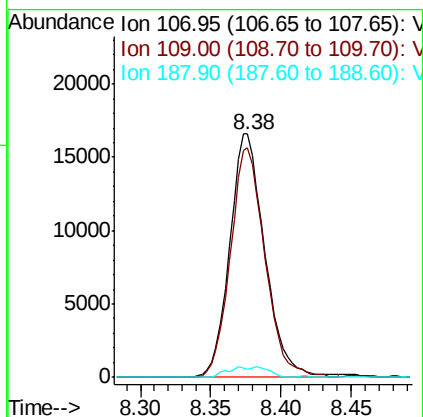
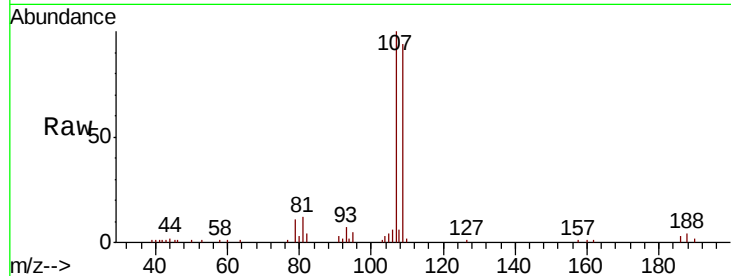




#52
 1,2-Dibromoethane
 Concen: 4.891 ug/L
 RT: 8.38 min Scan# 2266
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

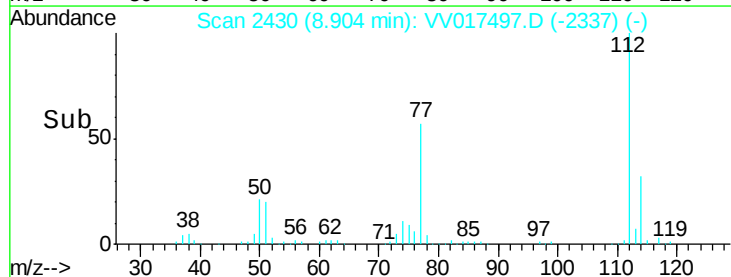
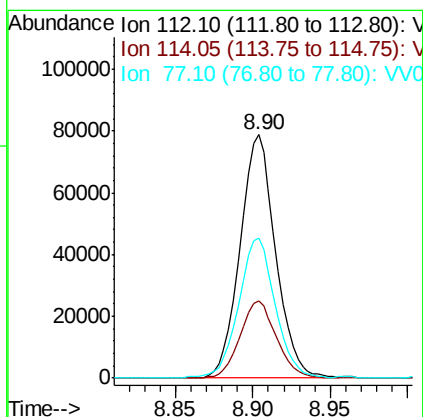
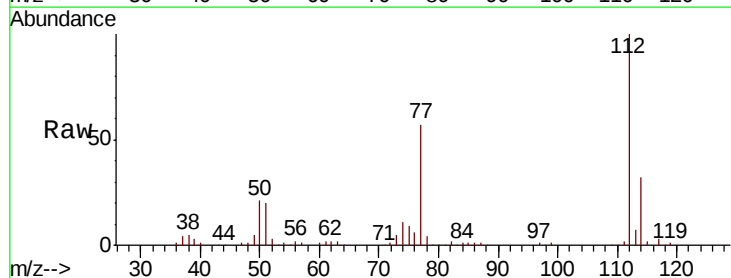
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

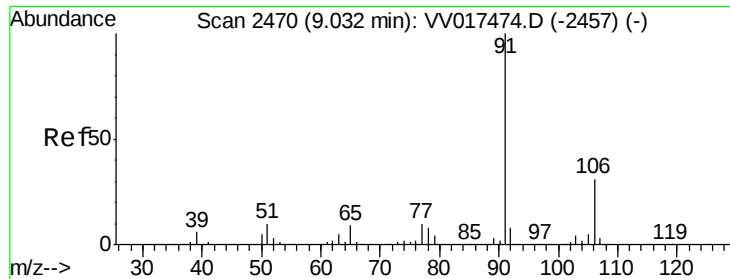
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.3	67.0	124.4
188	3.5	2.7	4.1



#53
 Chlorobenzene
 Concen: 4.885 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.4	41.6
77	57.3	47.0	70.4

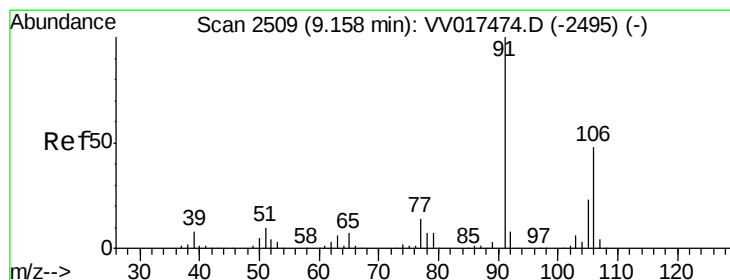
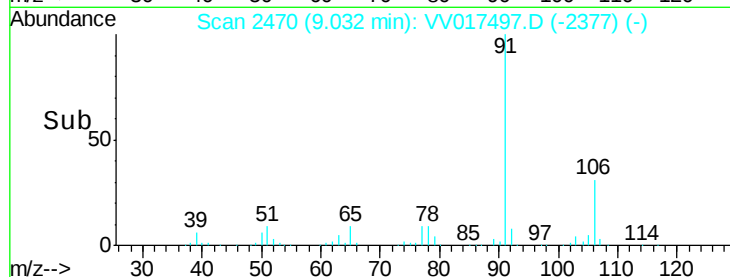
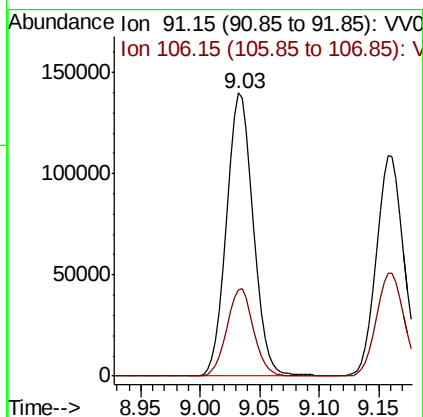
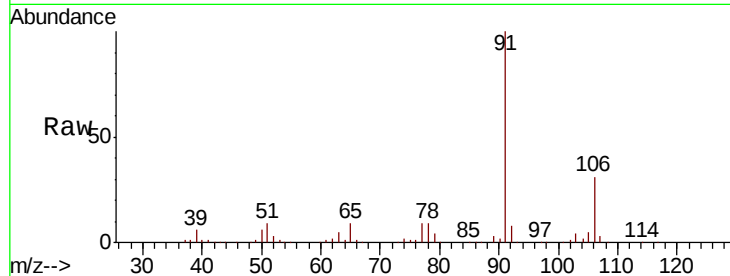




#54
Ethylbenzene
Concen: 4.978 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

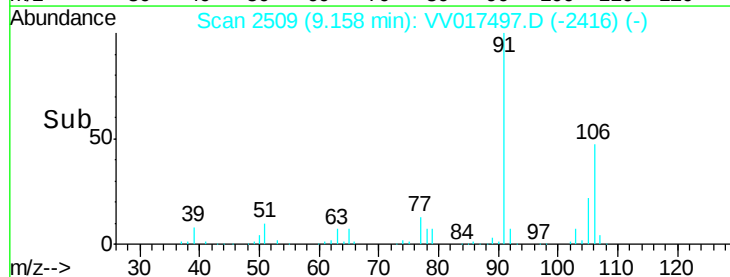
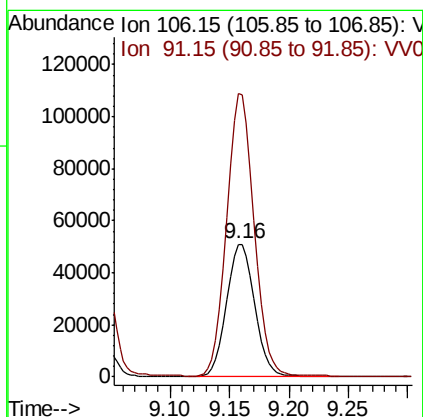
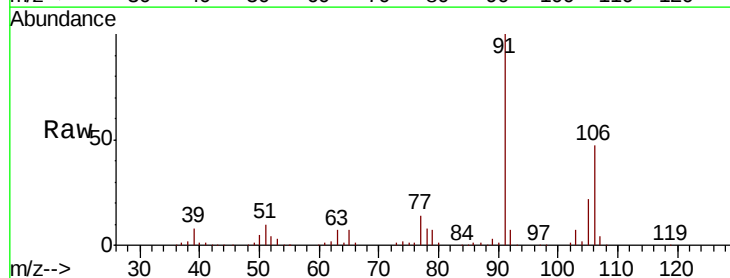
Instrument :
MSVOA_V
ClientSampleId :
VSTD00551

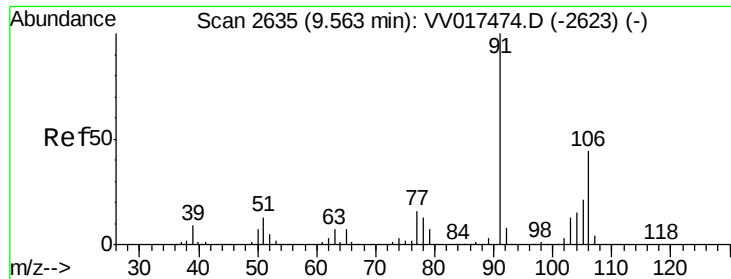
Tot Ion: 91 Resp: 218910
Ion Ratio Lower Upper
91 100
106 30.6 21.9 40.7



#55
m,p-xylene
Concen: 4.993 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion: 106 Resp: 83029
Ion Ratio Lower Upper
106 100
91 213.8 144.2 267.8

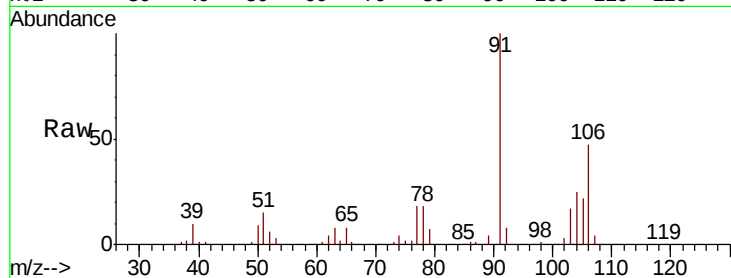




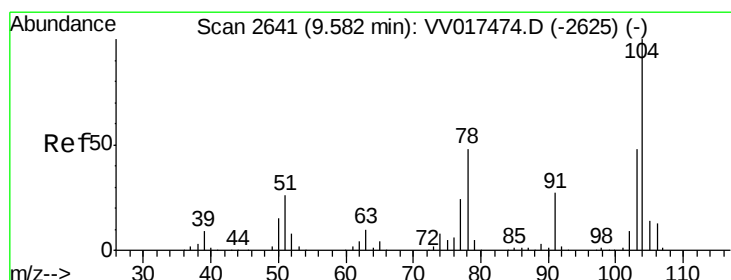
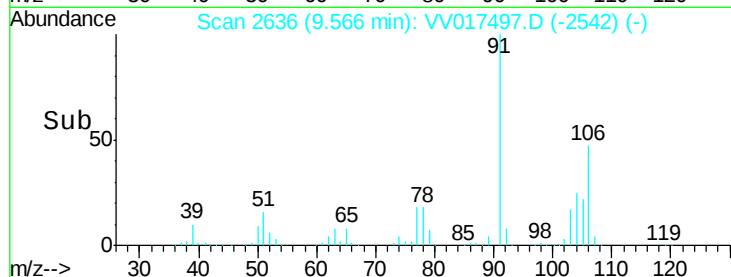
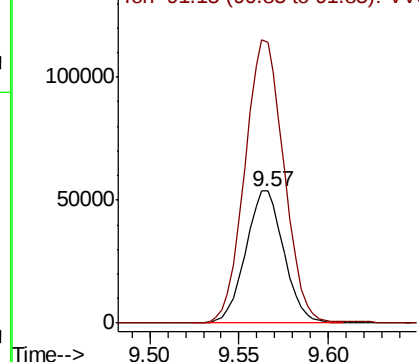
#56
o-xylene
Concen: 5.012 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Instrument :
MSVOA_V
ClientSampled :
VSTD00551

Tot Ion:106 Resp: 80616
Ion Ratio Lower Upper
106 100
91 212.8 158.8 294.8

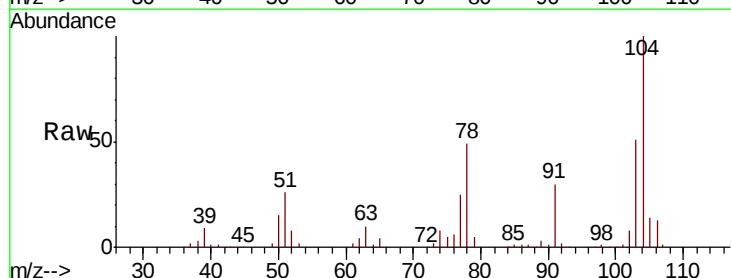


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

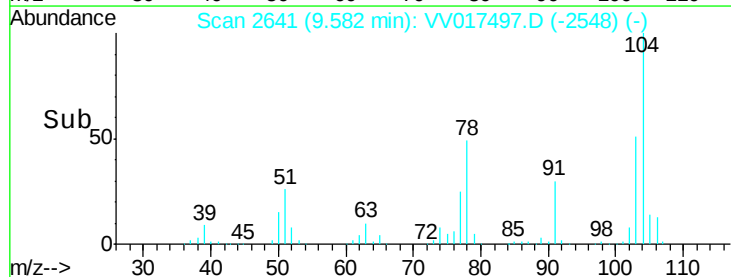
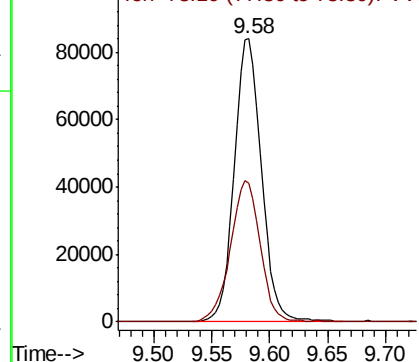


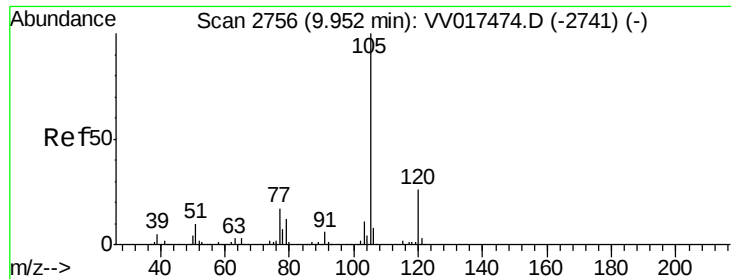
#57
Styrene
Concen: 5.028 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017497.D
Acq: 14 Jul 2020 20:50

Tgt Ion:104 Resp: 136108
Ion Ratio Lower Upper
104 100
78 48.8 33.5 62.1



Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0





#58

Isopropylbenzene

Concen: 4.918 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

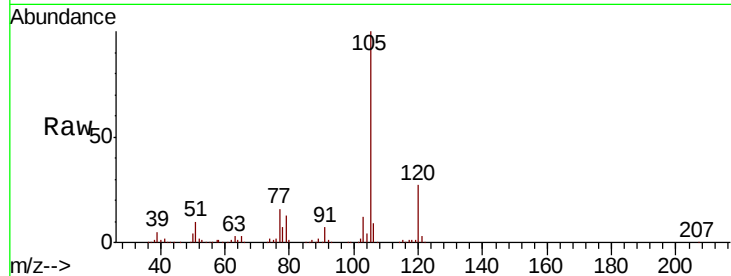
Tot Ion:105 Resp: 223957

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

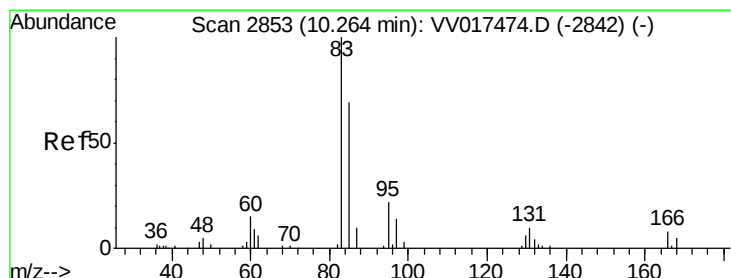
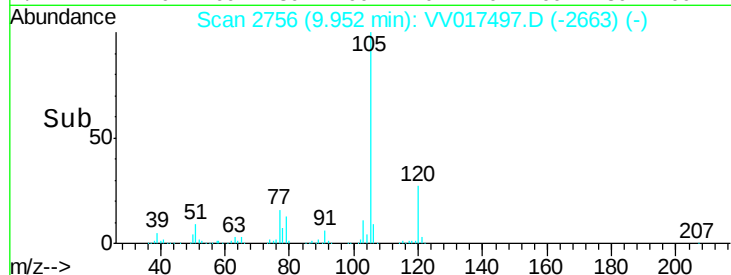
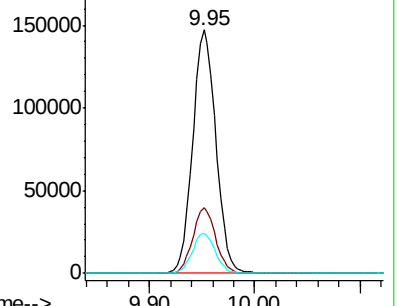
77 16.4 13.3 19.9



Abundance Ion 105.05 (104.75 to 105.75): VV017497.D (-2663) (-)

Ion 120.10 (119.80 to 120.80): VV017497.D (-2663) (-)

Ion 77.10 (76.80 to 77.80): VV017497.D (-2663) (-)



#60

1,1,2,2-Tetrachloroethane

Concen: 5.148 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

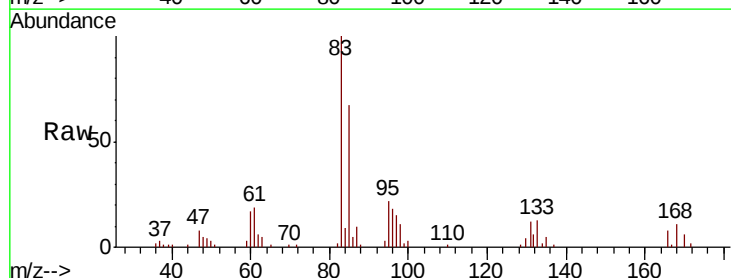
Tgt Ion: 83 Resp: 31294

Ion Ratio Lower Upper

83 100

85 67.1 49.1 91.3

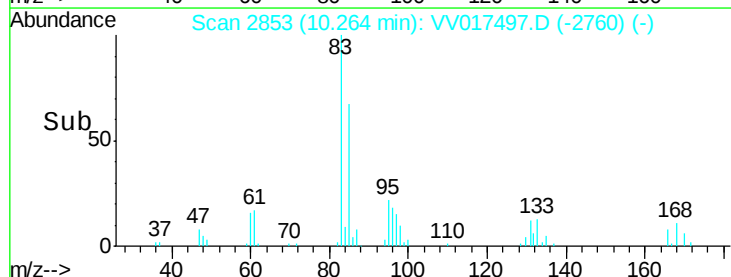
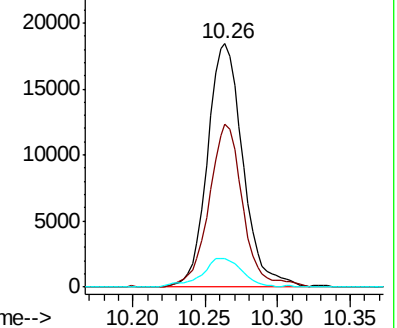
131 11.6 9.8 14.6

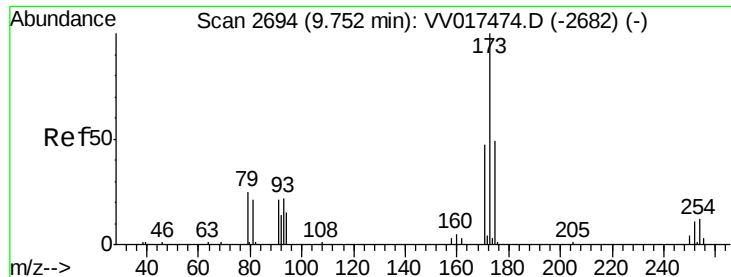


Abundance Ion 82.95 (82.65 to 83.65): VV017497.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV017497.D (-2760) (-)

Ion 130.95 (130.65 to 131.65): VV017497.D (-2760) (-)





#62

Bromoform

Concen: 4.841 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

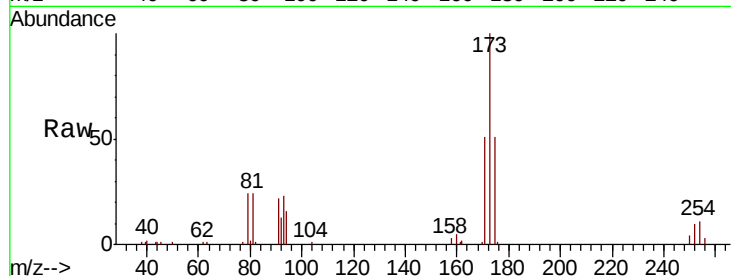
Tot Ion:173 Resp: 22451

Ion Ratio Lower Upper

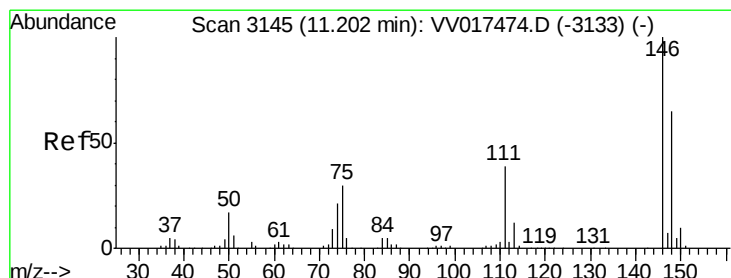
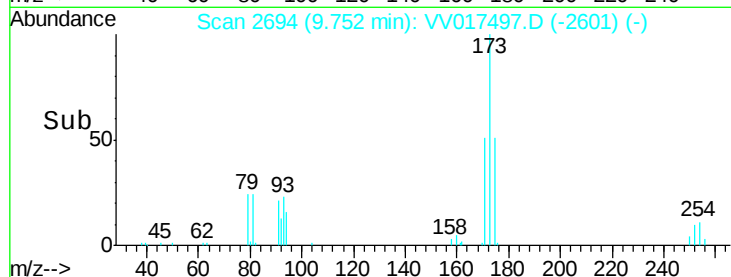
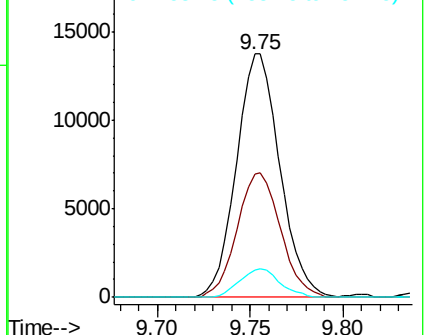
173 100

175 51.1 39.8 59.8

254 10.9 8.5 12.7



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.969 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

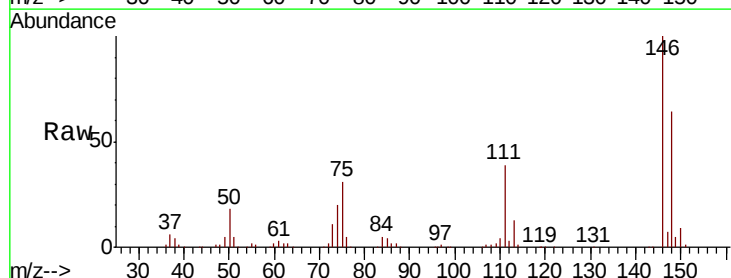
Tgt Ion:146 Resp: 111383

Ion Ratio Lower Upper

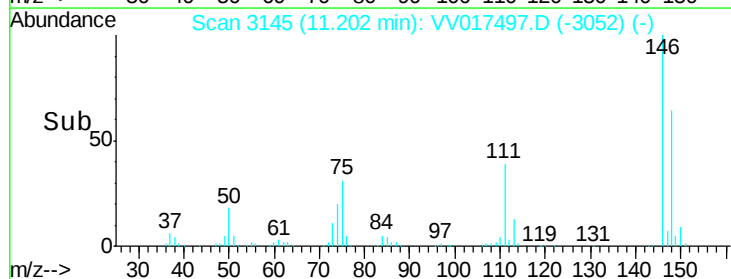
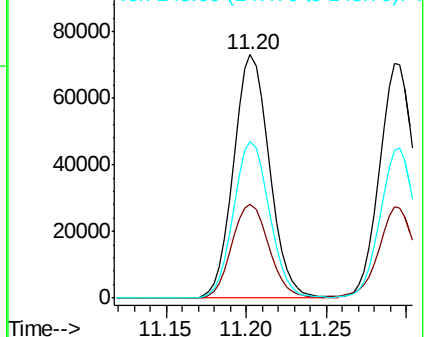
146 100

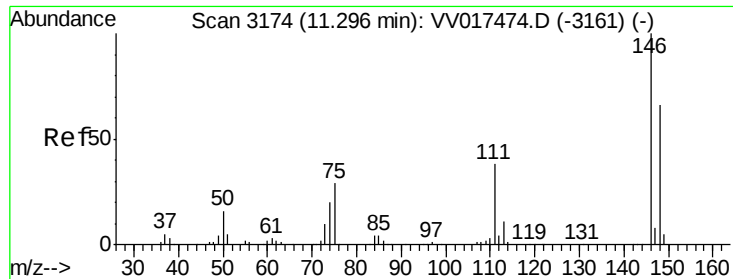
111 38.7 27.2 50.6

148 64.4 45.6 84.6



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.963 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

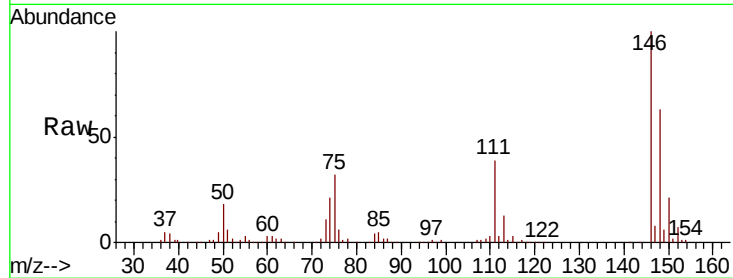
Tot Ion:146 Resp: 110422

Ion Ratio Lower Upper

146 100

111 39.1 26.9 50.1

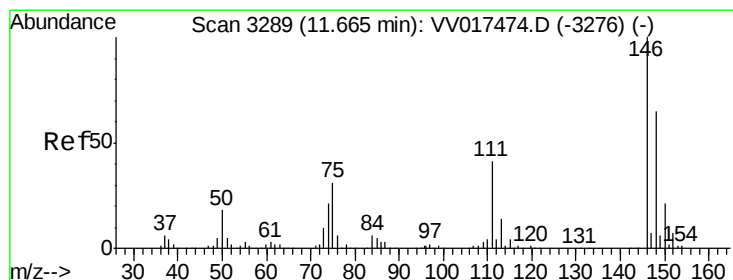
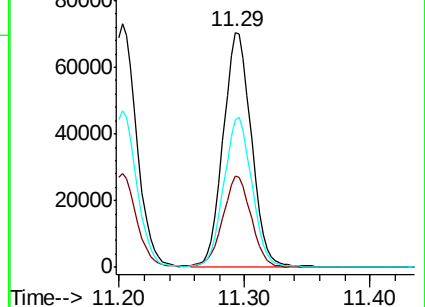
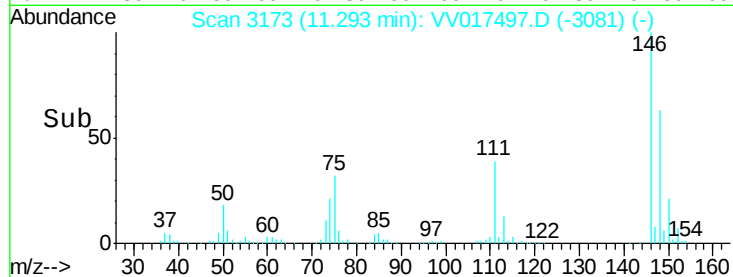
148 62.8 46.1 85.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 4.931 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

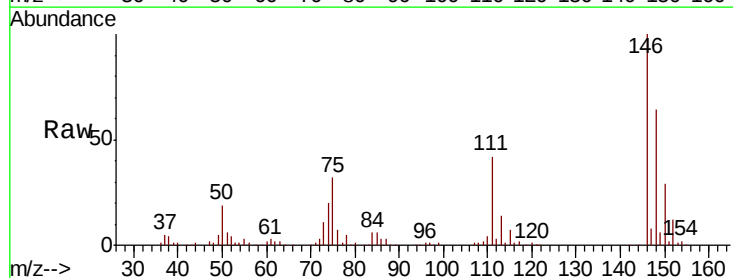
Tgt Ion:146 Resp: 100177

Ion Ratio Lower Upper

146 100

111 42.4 32.7 49.1

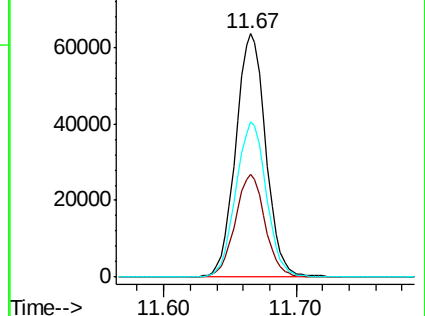
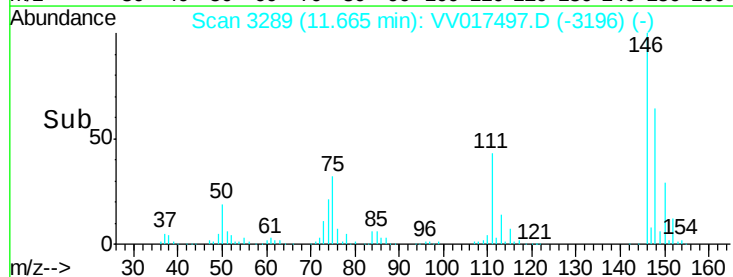
148 63.5 52.3 78.5

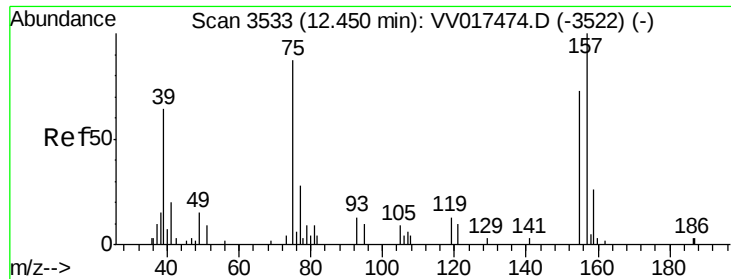


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#67

1,2-Dibromo-3-chloropropane

Concen: 4.719 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD00551

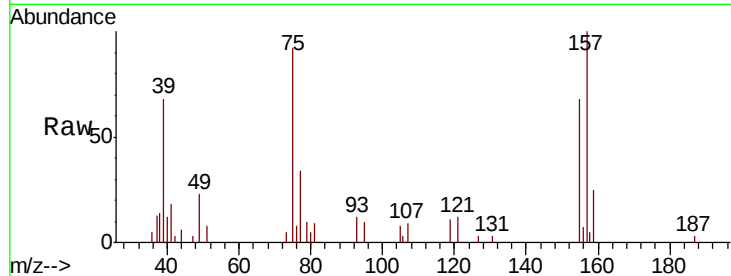
Tot Ion: 75 Resp: 5906

Ion Ratio Lower Upper

75 100

155 73.9 67.5 101.3

157 108.5 92.5 138.7

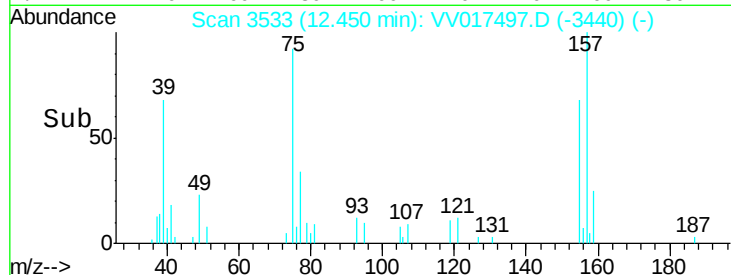


Abundance Ion 75.05 (74.75 to 75.75): VV017497.D (-3440) (-)

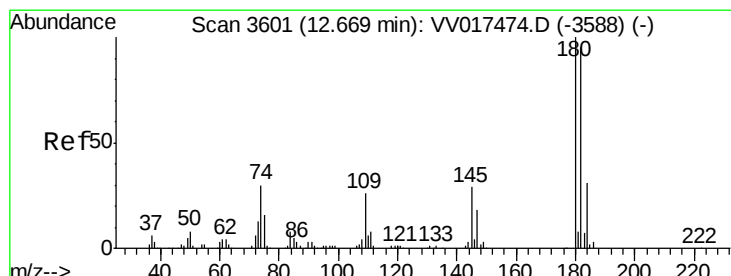
Ion 154.95 (154.65 to 155.65): VV017497.D (-3440) (-)

Ion 156.90 (156.60 to 157.60): VV017497.D (-3440) (-)

Time-->



Time-->



#68

1,3,5-Trichlorobenzene

Concen: 4.777 ug/L

RT: 12.67 min Scan# 3601

Delta R.T. 0.00 min

Lab File: VV017497.D

Acq: 14 Jul 2020 20:50

Tgt Ion: 180 Resp: 87094

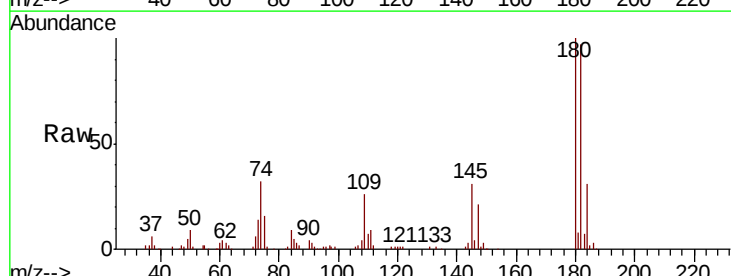
Ion Ratio Lower Upper

180 100

182 96.7 76.2 114.4

184 30.9 24.3 36.5

145 30.9 24.2 36.4



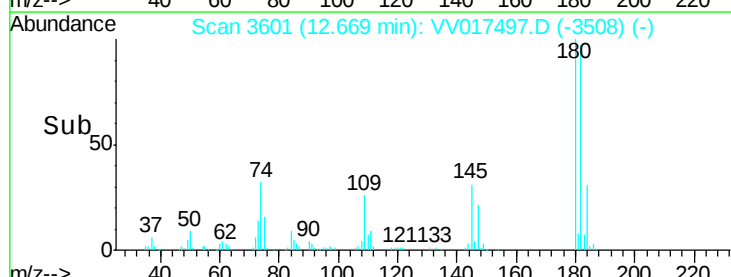
Abundance Ion 180.00 (179.70 to 180.70): VV017497.D (-3508) (-)

Ion 182.00 (181.70 to 182.70): VV017497.D (-3508) (-)

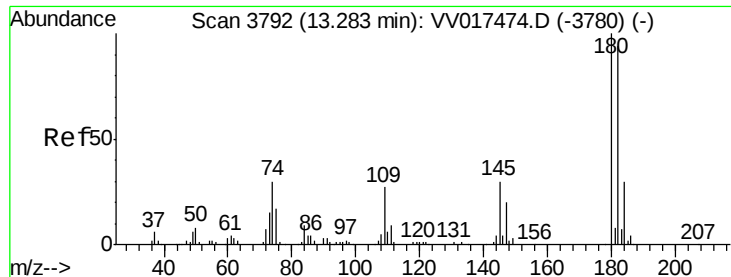
Ion 184.00 (183.70 to 184.70): VV017497.D (-3508) (-)

Ion 145.00 (144.70 to 145.70): VV017497.D (-3508) (-)

Time-->



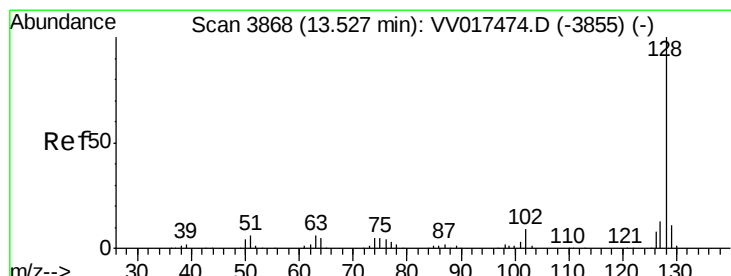
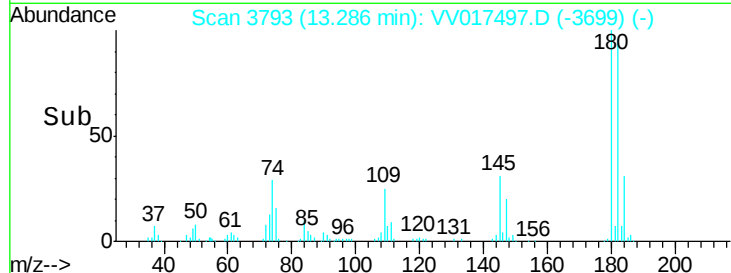
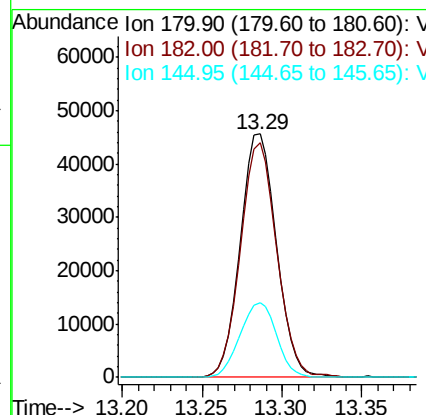
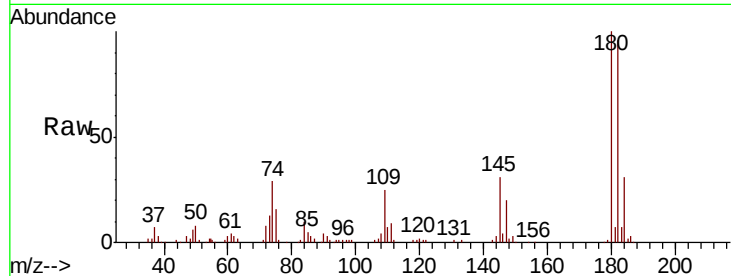
Time-->



#69
 1,2,4-trichlorobenzene
 Concen: 4.676 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

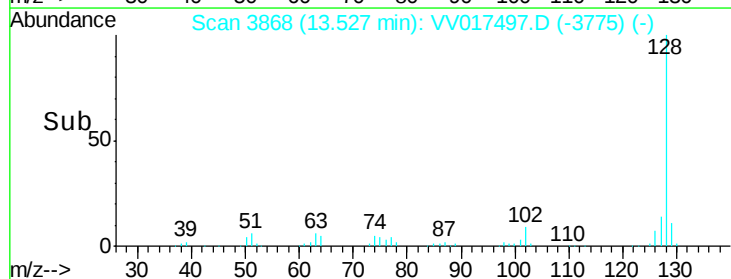
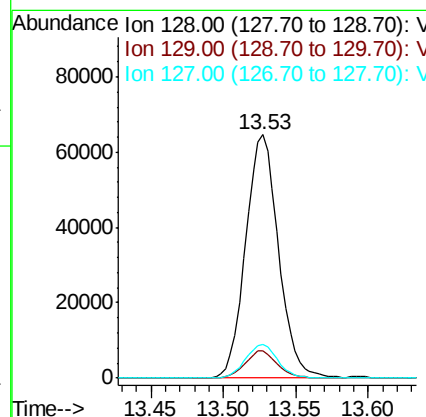
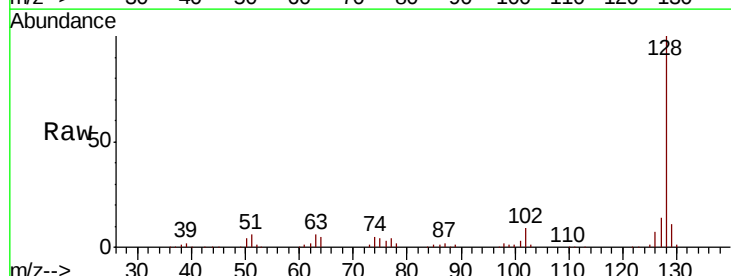
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

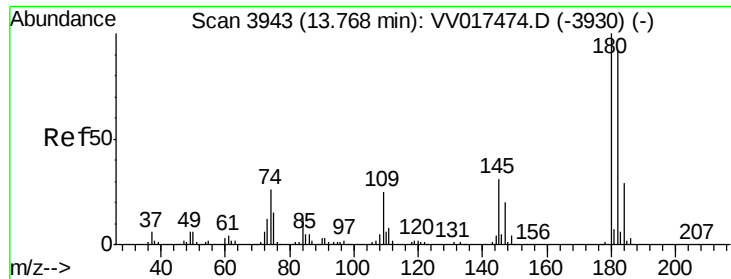
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.5	75.0	112.6
145	31.0	24.5	36.7



#70
 Naphthalene
 Concen: 4.843 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.5	12.7
127	13.6	10.6	15.8

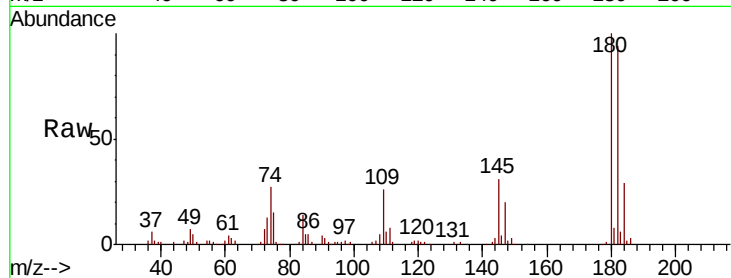




#71
 1,2,3-Trichlorobenzene
 Concen: 5.000 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. 0.00 min
 Lab File: VV017497.D
 Acq: 14 Jul 2020 20:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00551

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	74.0	111.0
145	32.6	26.0	39.0



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 181.90 (181.60 to 182.60): V
 Ion 144.95 (144.65 to 145.65): V

