

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV071020\
 Data File : VV017455.D
 Acq On : 10 Jul 2020 21:08
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Quant Time: Jul 11 00:28:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM070820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jul 11 00:23:19 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	276197	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	267470	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	145205	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58932	40.99	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	81.98%
7) Chloroethane-d5	1.58	69	43719	43.28	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	86.56%
11) 1,1-Dichloroethene-d2	2.13	63	144455	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.74%
21) 2-Butanone-d5	3.91	46	96045	97.80	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	97.80%
24) Chloroform-d	4.38	84	153853	46.26	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.52%
26) 1,2-Dichloroethane-d4	5.06	65	108085	47.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.70%
32) Benzene-d6	5.08	84	260362	45.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.12%
36) 1,2-Dichloropropane-d6	6.09	67	75357	45.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	90.58%
41) Toluene-d8	7.34	98	254786	45.87	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	91.74%
43) trans-1,3-Dichloropropene-	7.64	79	45742	47.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.46%
47) 2-Hexanone-d5	8.11	63	68654	100.54	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	100.54%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	109398	46.83	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	93.66%
64) 1,2-Dichlorobenzene-d4	11.65	152	112069	46.16	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	135594	45.716	ug/L 99
3) Chloromethane	1.25	50	95163	45.573	ug/L 98
5) Vinyl chloride	1.32	62	96125	45.544	ug/L 96
6) Bromomethane	1.53	94	53909	50.321	ug/L 94
8) Chloroethane	1.60	64	49854	45.524	ug/L 96
9) Trichlorofluoromethane	1.76	101	188418	47.685	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	83993	45.794	ug/L 99
12) 1,1-Dichloroethene	2.13	96	78519	47.331	ug/L 93
13) Acetone	2.19	43	87340	65.331	ug/L 99
14) Carbon disulfide	2.31	76	218060	43.188	ug/L 100
15) Methyl Acetate	2.45	43	83536	47.075	ug/L 100
16) Methylene chloride	2.52	84	87156	45.126	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	82981	45.998	ug/L 96
18) Methyl tert-butyl Ether	2.78	73	296216	49.217	ug/L 99
19) 1,1-Dichloroethane	3.21	63	154715	46.640	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	91014	47.086	ug/L 99
22) 2-Butanone	3.99	43	114565	87.669	ug/L 99

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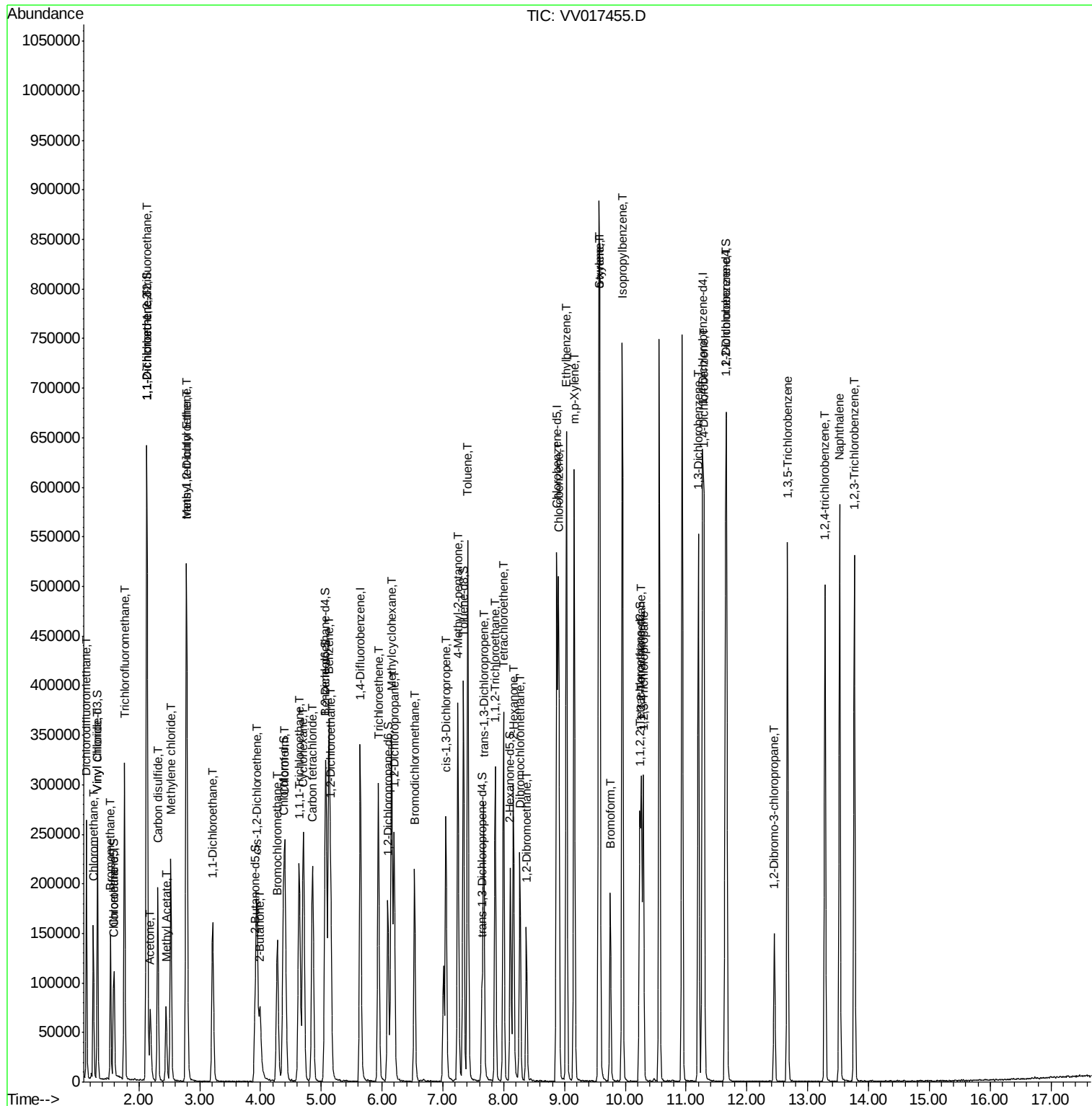
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	51792	48.155	ug/L	96
25) Chloroform	4.40	83	177506	47.674	ug/L	98
27) 1,2-Dichloroethane	5.16	62	161048	49.208	ug/L	98
29) Cyclohexane	4.70	56	128166	45.950	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	180644	49.114	ug/L	100
31) Carbon tetrachloride	4.86	117	161609	48.004	ug/L	98
33) Benzene	5.13	78	335947	47.515	ug/L	100
34) Trichloroethene	5.94	95	96209	45.833	ug/L	98
35) Methylcyclohexane	6.15	83	141944	46.178	ug/L	100
37) 1,2-Dichloropropane	6.20	63	81494	47.126	ug/L	99
38) Bromodichloromethane	6.53	83	135504	48.122	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	143338	48.639	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	232306	97.152	ug/L	98
42) Toluene	7.41	91	375353	47.498	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	146647	48.111	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	87858	46.826	ug/L	98
46) Tetrachloroethene	8.00	164	80822	45.855	ug/L	95
48) 2-Hexanone	8.16	43	181012	93.511	ug/L	98
49) Dibromochloromethane	8.27	129	112106	47.896	ug/L	99
50) 1,2-Dibromoethane	8.37	107	95051	47.330	ug/L	95
51) Chlorobenzene	8.90	112	251539	46.972	ug/L	98
52) Ethylbenzene	9.03	91	433280	47.934	ug/L	100
53) m,p-Xylene	9.16	106	163046	48.181	ug/L	99
54) o-xylene	9.57	106	160345	49.330	ug/L	98
55) Styrene	9.58	104	276029	48.888	ug/L	97
56) Isopropylbenzene	9.95	105	446108	49.331	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	127740	46.361	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	113050	47.177	ug/L	98
61) Bromoform	9.75	173	81908	46.896	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	211138	46.599	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	209630	45.585	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	213331	47.231	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	36297	49.386	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	161965	47.454	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	145633	48.659	ug/L	99
69) Naphthalene	13.52	128	433704	51.890	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	153479	50.414	ug/L	98

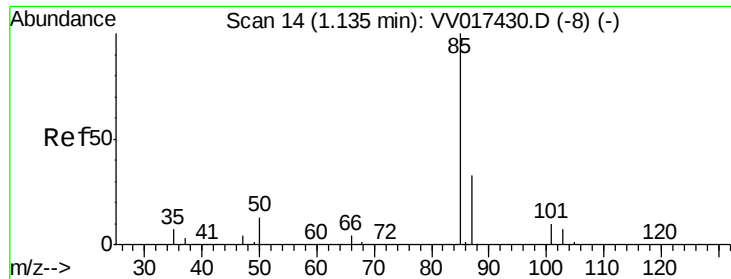
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.716 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

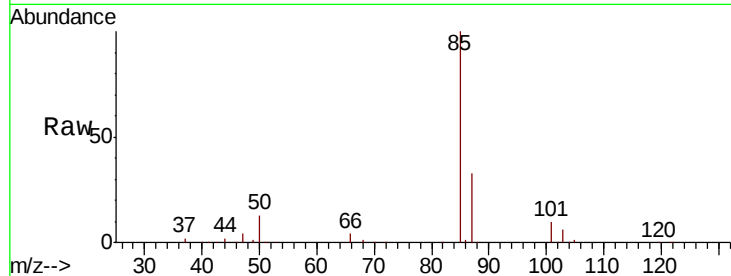
VSTD05081

Tot Ion: 85 Resp: 135594

Ion Ratio Lower Upper

85 100

87 33.0 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

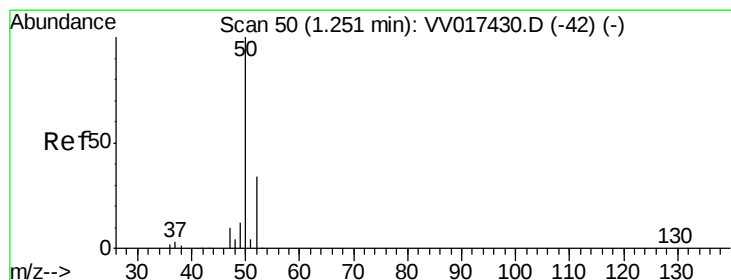
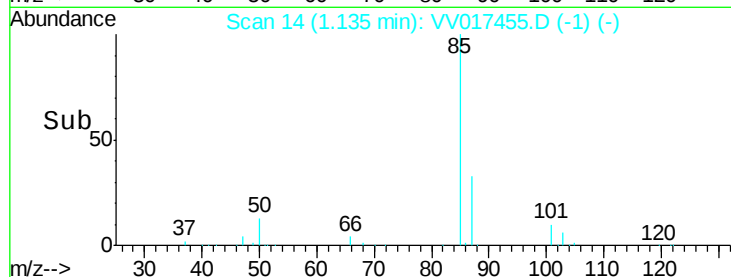
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 45.573 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017455.D

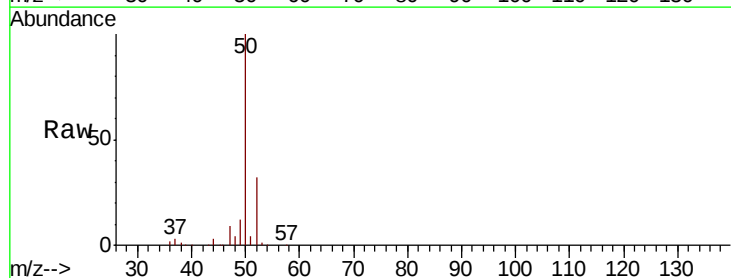
Acq: 10 Jul 2020 21:08

Tgt Ion: 50 Resp: 95163

Ion Ratio Lower Upper

50 100

52 32.1 23.4 43.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

100000

80000

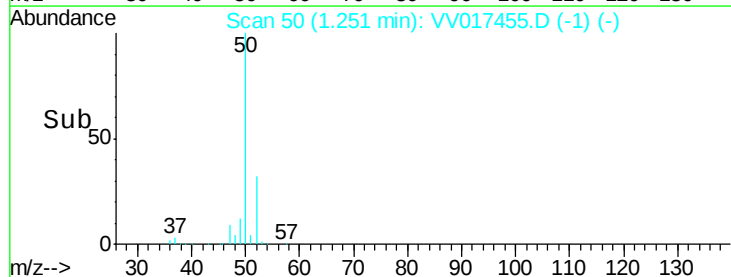
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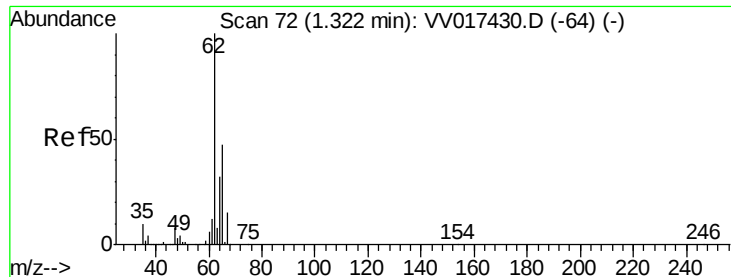
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 45.544 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

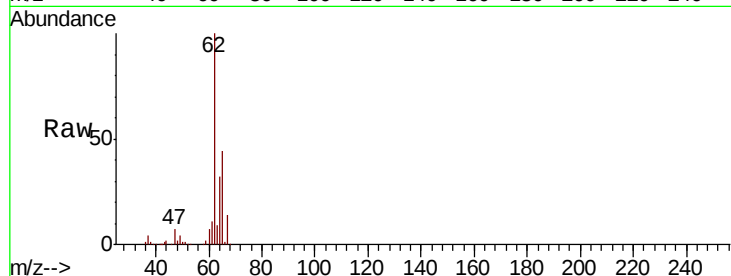
VSTD05081

Tot Ion: 62 Resp: 96125

Ion Ratio Lower Upper

62 100

64 32.0 24.1 44.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

100000

80000

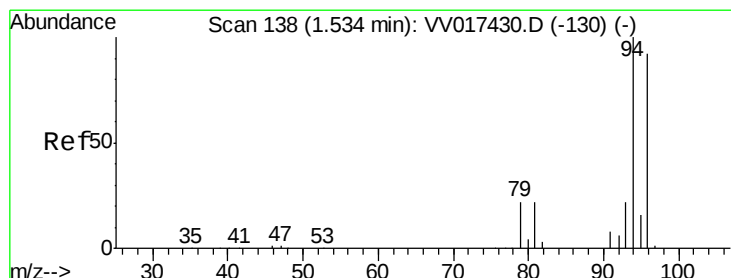
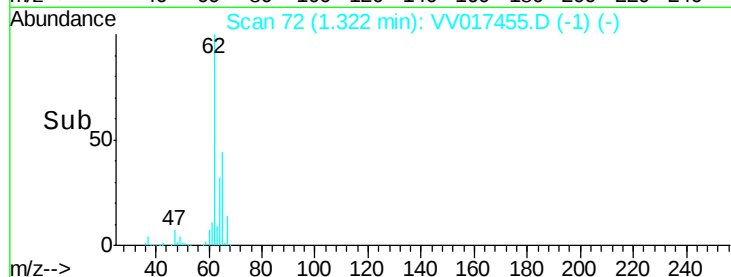
60000

40000

20000

0

Time-->



#6

Bromomethane

Concen: 50.321 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017455.D

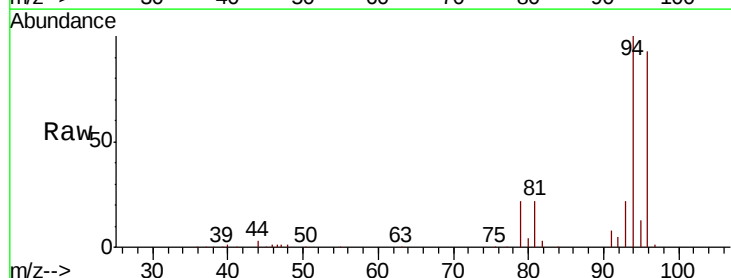
Acq: 10 Jul 2020 21:08

Tgt Ion: 94 Resp: 53909

Ion Ratio Lower Upper

94 100

96 93.0 69.0 128.1



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

50000

40000

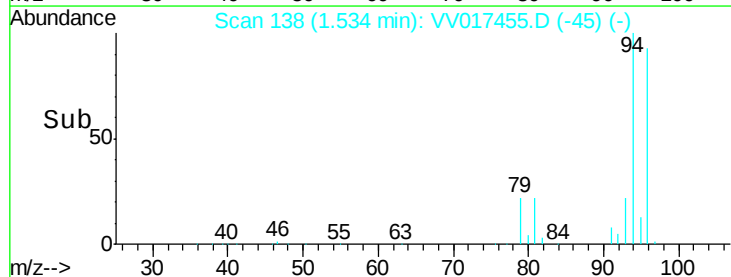
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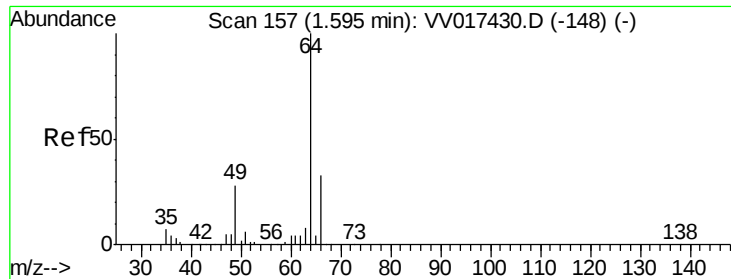
20000

10000

0

Time-->





#8

Chloroethane

Concen: 45.524 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

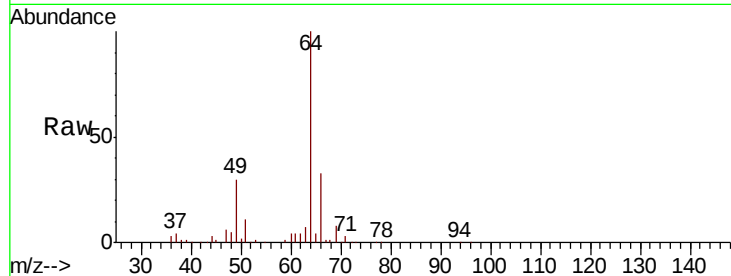
VSTD05081

Tot Ion: 64 Resp: 49854

Ion Ratio Lower Upper

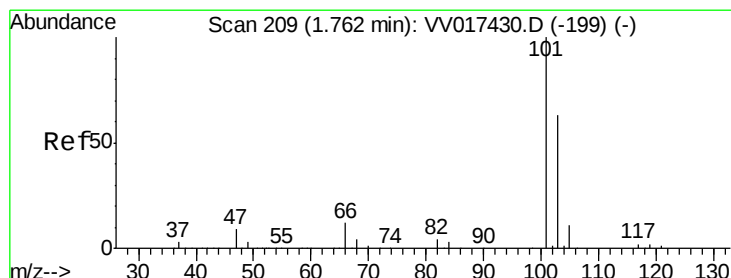
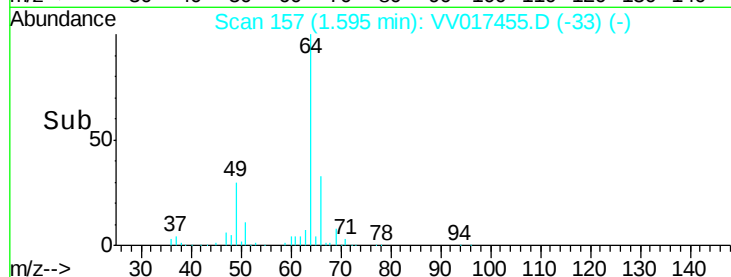
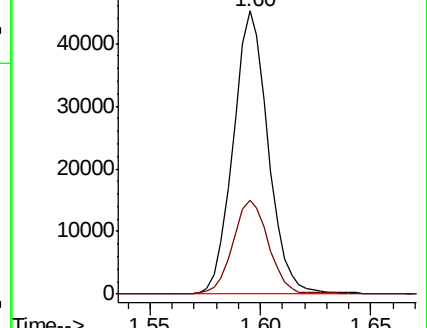
64 100

66 33.3 21.8 40.4



Abundance Ion 64.00 (63.70 to 64.70): VV017430.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017430.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 47.685 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017455.D

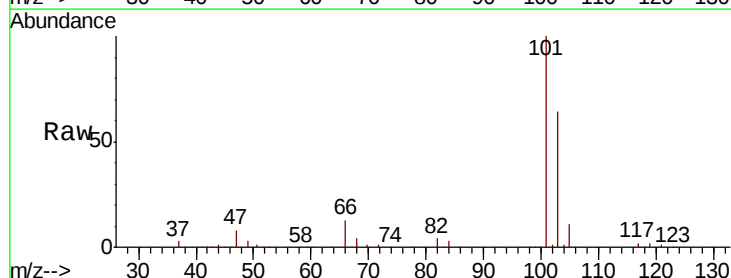
Acq: 10 Jul 2020 21:08

Tgt Ion: 101 Resp: 188418

Ion Ratio Lower Upper

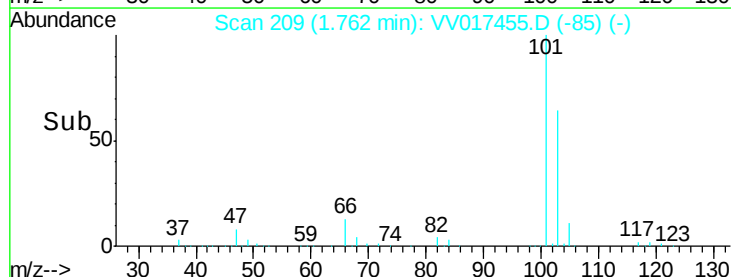
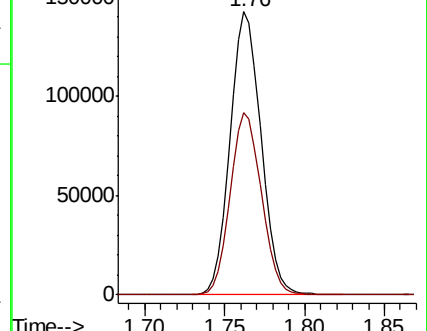
101 100

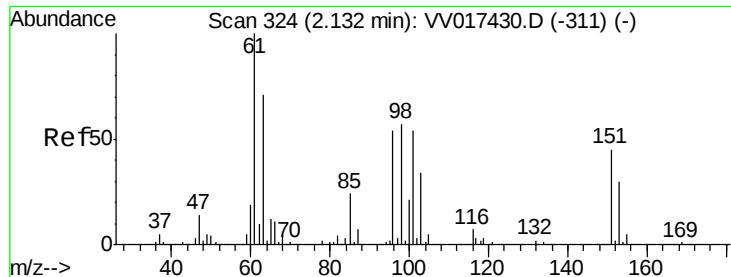
103 64.7 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV017430.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV017430.D (-199) (-)





#10

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

Concen: 45.794 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

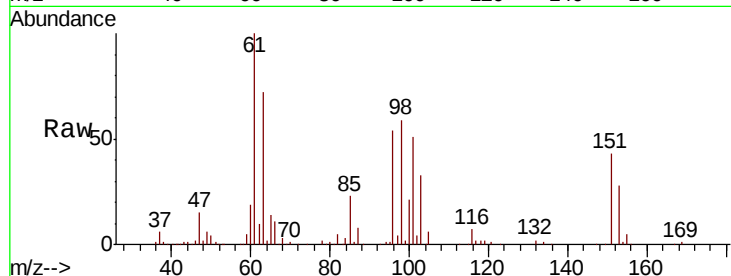
Tot Ion:101 Resp: 83993

Ion Ratio Lower Upper

101 100

85 44.9 36.2 54.4

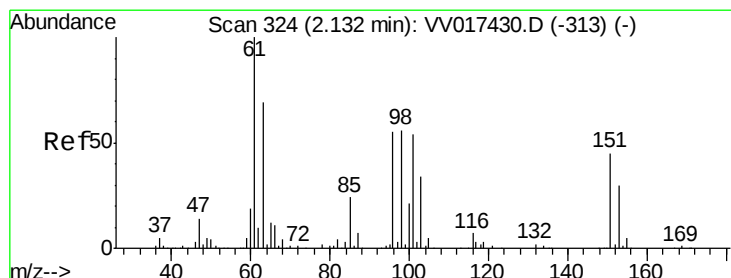
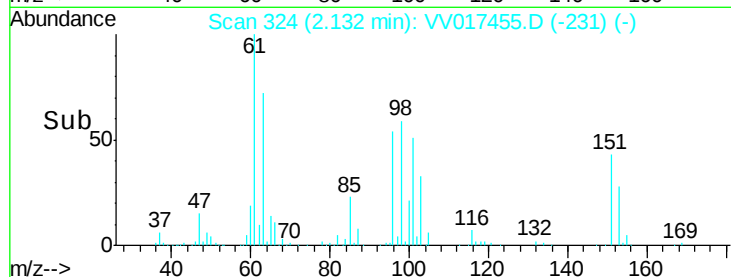
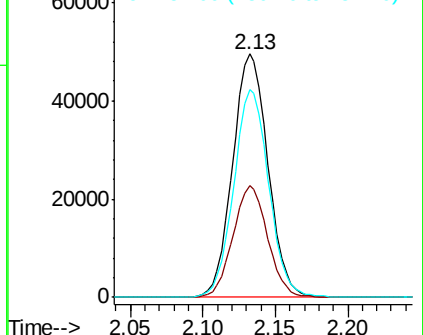
151 84.5 66.8 100.2



Abundance Ion 101.00 (100.70 to 101.70): VV017430.D (-311) (-)

Ion 85.00 (84.70 to 85.70): VV017430.D (-311) (-)

Ion 151.00 (150.70 to 151.70): VV017430.D (-311) (-)



#12

1,1-Dichloroethene

Concen: 47.331 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

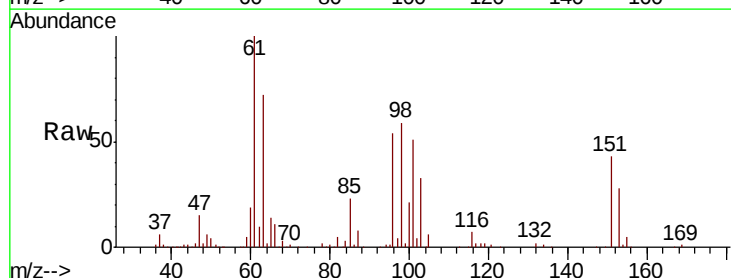
Tgt Ion: 96 Resp: 78519

Ion Ratio Lower Upper

96 100

61 184.9 132.7 246.4

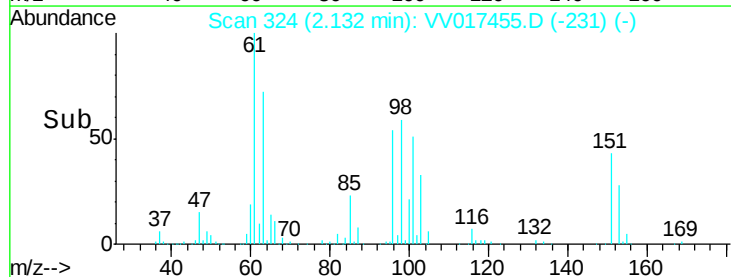
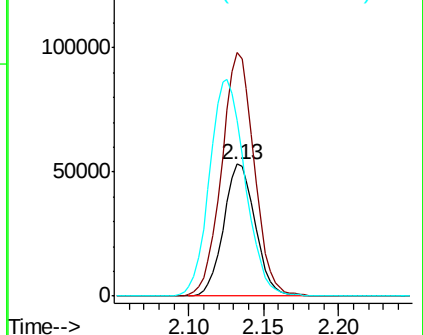
63 133.9 103.3 191.8

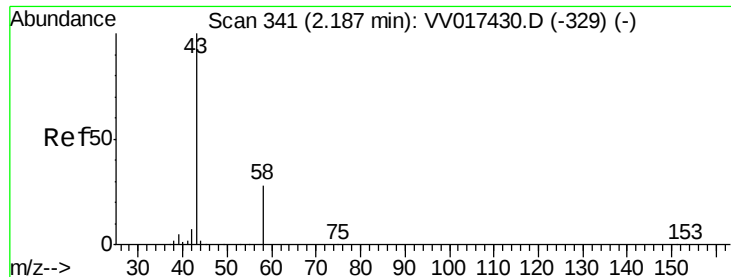


Abundance Ion 96.00 (95.70 to 96.70): VV017430.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV017430.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV017430.D (-313) (-)





#13

Acetone

Concen: 65.331 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

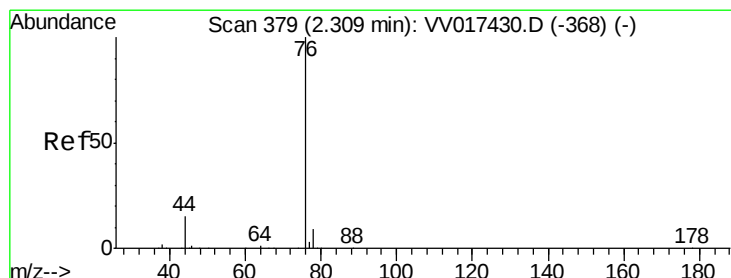
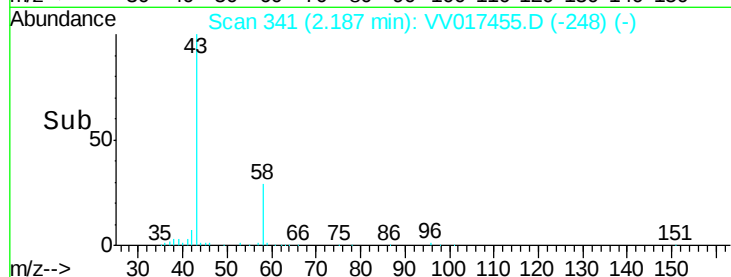
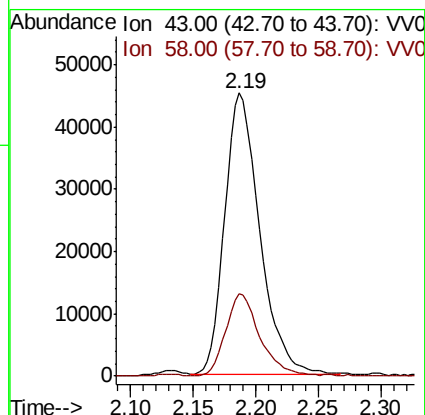
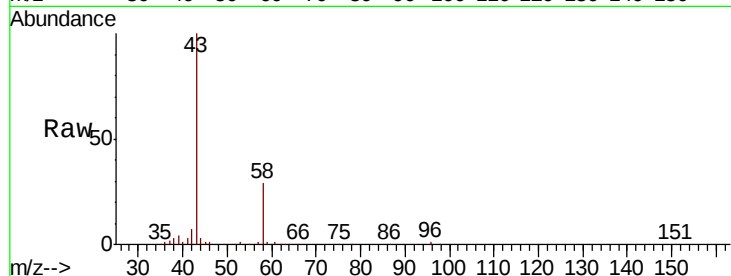
VSTD05081

Tot Ion: 43 Resp: 87340

Ion Ratio Lower Upper

43 100

58 28.7 0.0 56.0



#14

Carbon disulfide

Concen: 43.188 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV017455.D

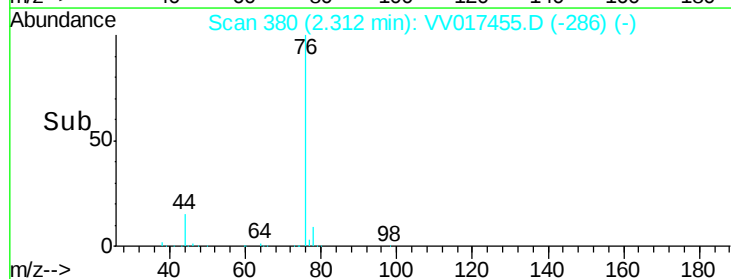
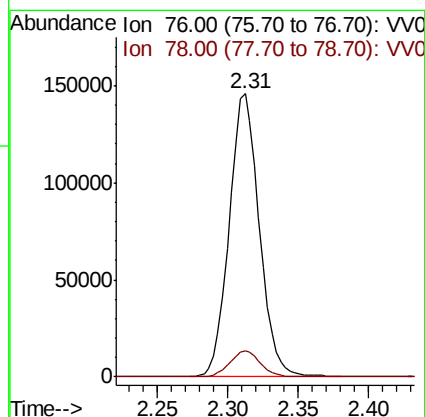
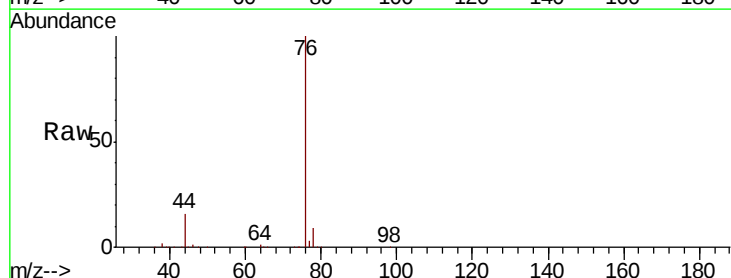
Acq: 10 Jul 2020 21:08

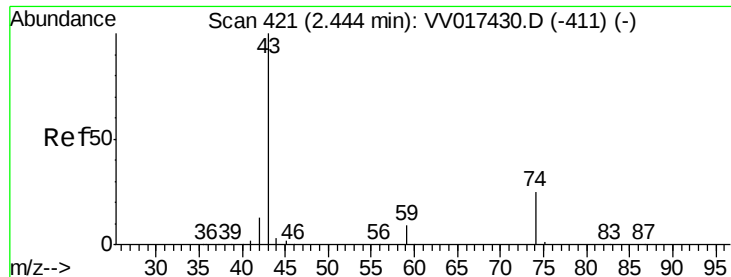
Tgt Ion: 76 Resp: 218060

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2





#15

Methvl Acetate

Concen: 47.075 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampled :

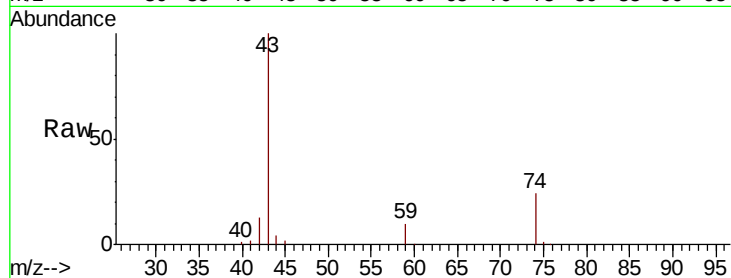
VSTD05081

Tot Ion: 43 Resp: 83536

Ion Ratio Lower Upper

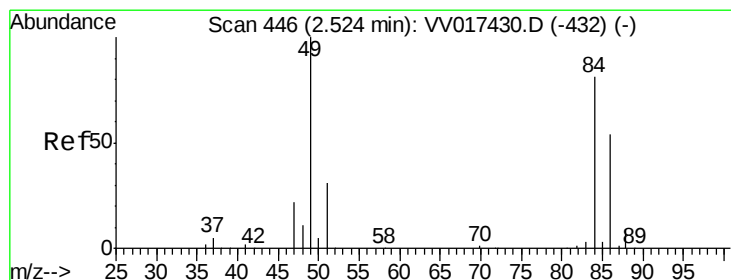
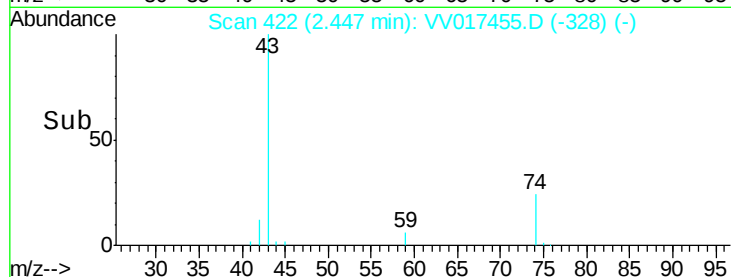
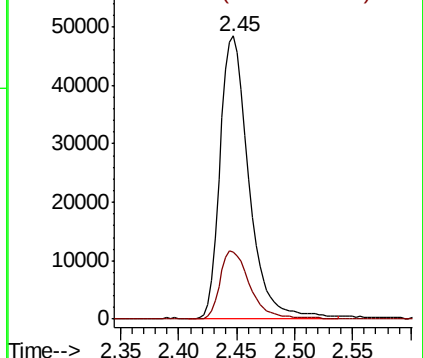
43 100

74 25.3 20.2 30.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 45.126 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

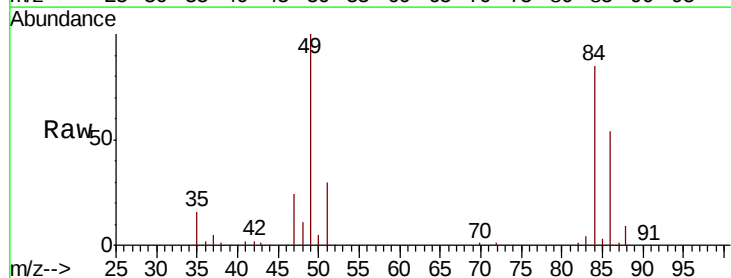
Tgt Ion: 84 Resp: 87156

Ion Ratio Lower Upper

84 100

86 63.7 46.5 86.5

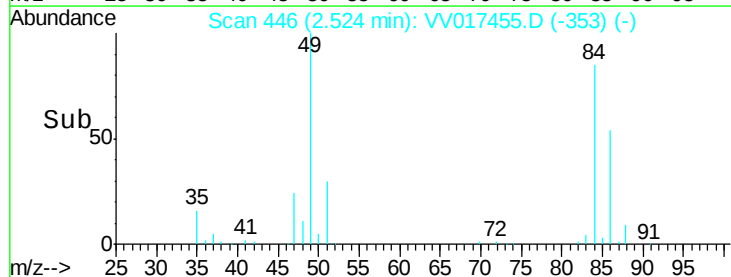
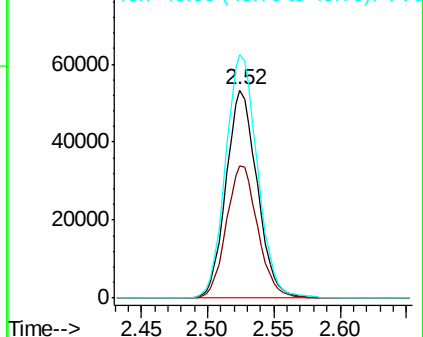
49 117.2 85.3 158.5

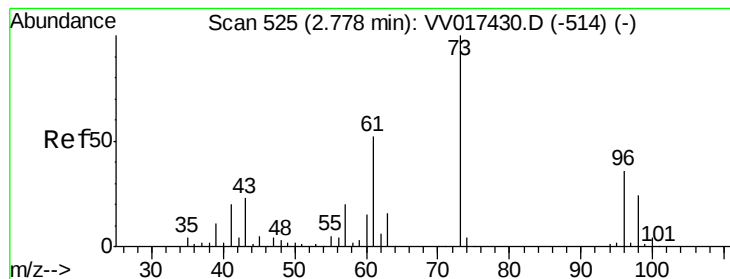


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.998 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

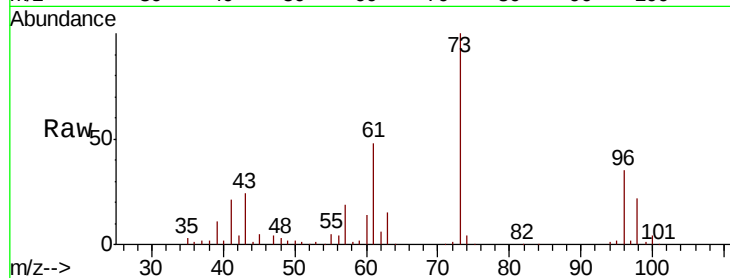
Tot Ion: 96 Resp: 82981

Ion Ratio Lower Upper

96 100

61 135.5 99.0 184.0

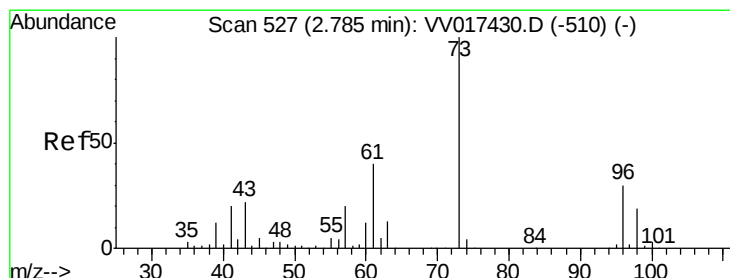
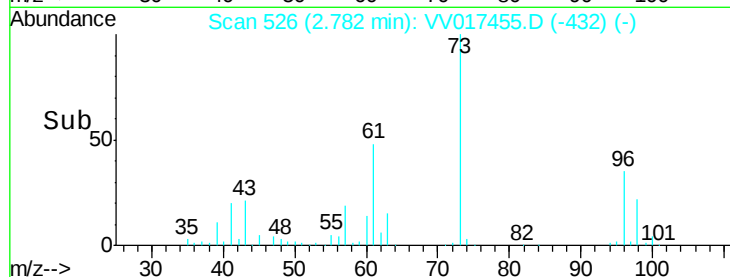
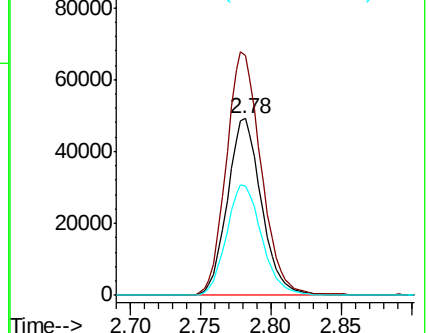
98 62.2 44.4 82.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 49.217 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

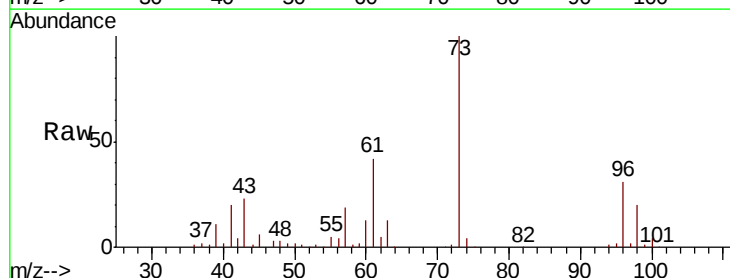
Tgt Ion: 73 Resp: 296216

Ion Ratio Lower Upper

73 100

43 23.1 18.2 27.2

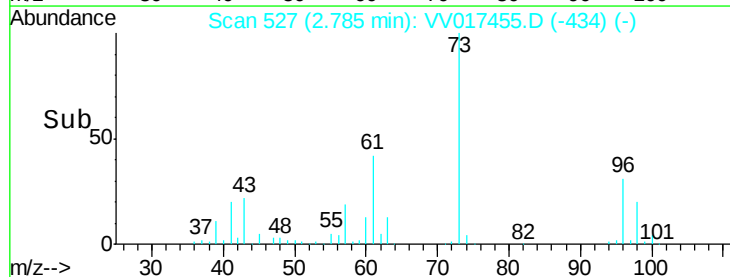
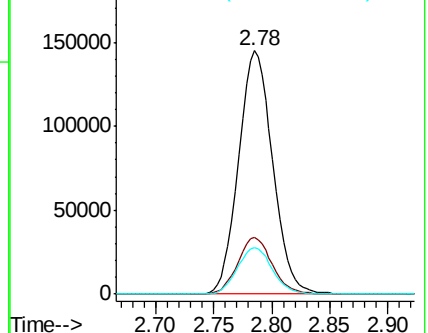
57 19.6 16.2 24.4

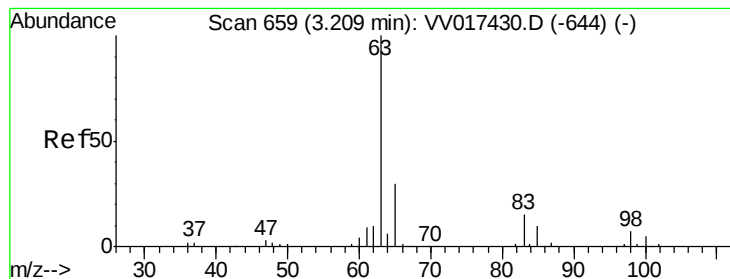


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 46.640 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

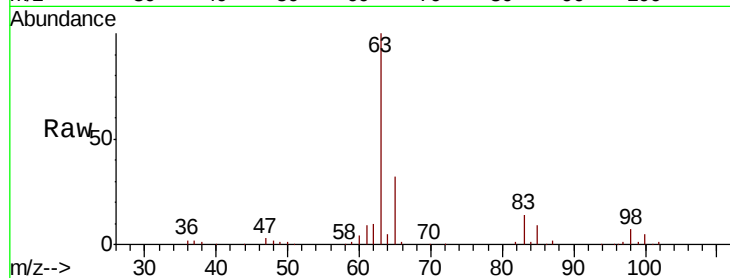
Tot Ion: 63 Resp: 154715

Ion Ratio Lower Upper

63 100

65 31.6 22.1 41.1

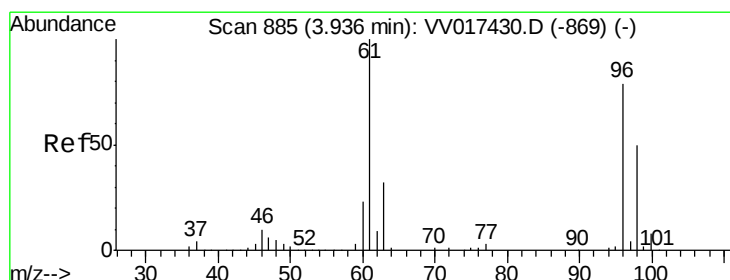
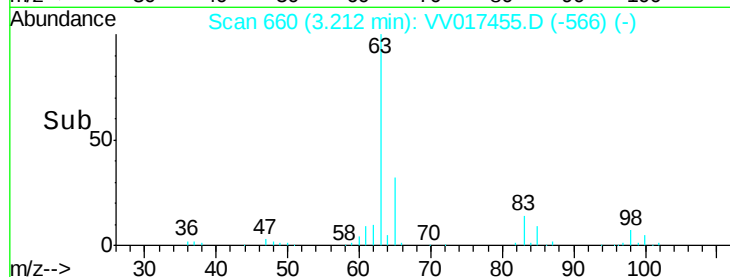
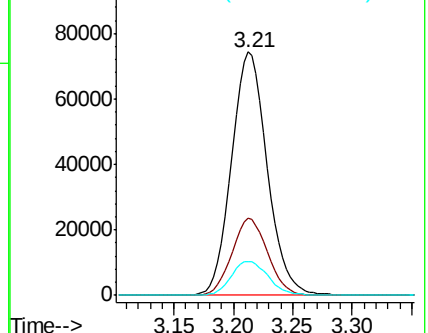
83 14.0 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 47.086 ug/L

RT: 3.94 min Scan# 886

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

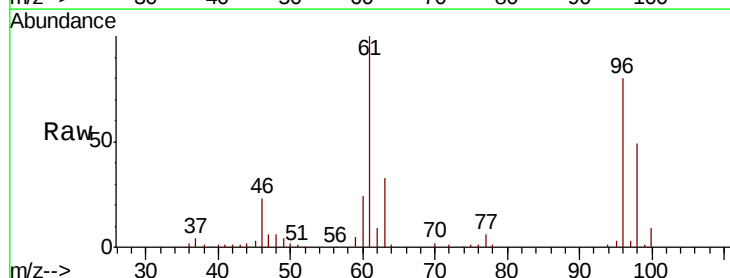
Tgt Ion: 96 Resp: 91014

Ion Ratio Lower Upper

96 100

61 125.4 88.9 165.1

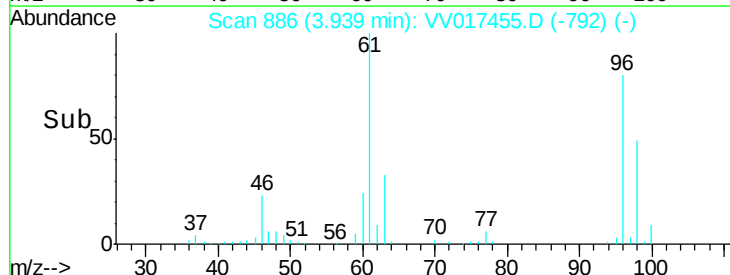
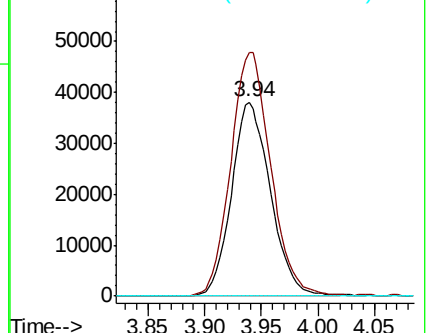
68 0.0 0.0 0.0

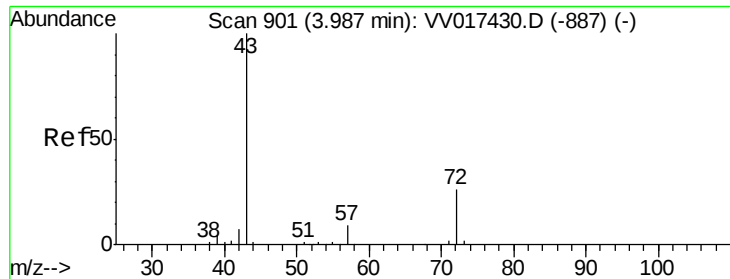


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0

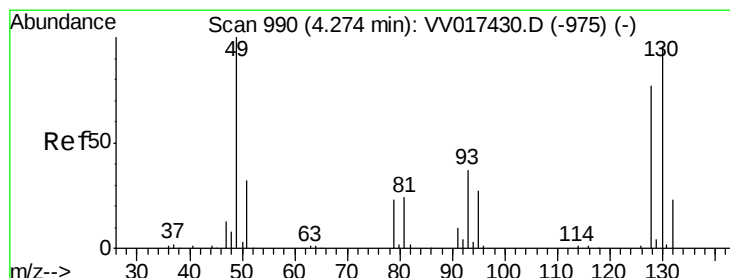
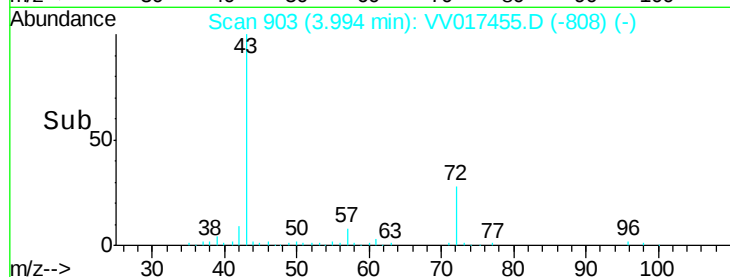
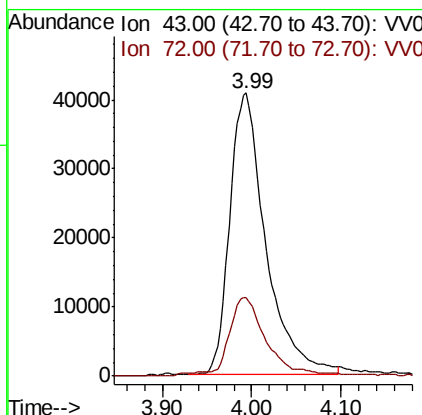
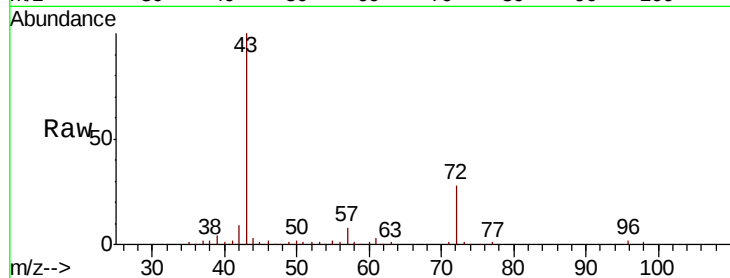




#22
2-Butanone
Concen: 87.669 ug/L
RT: 3.99 min Scan# 903
Delta R.T. 0.01 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

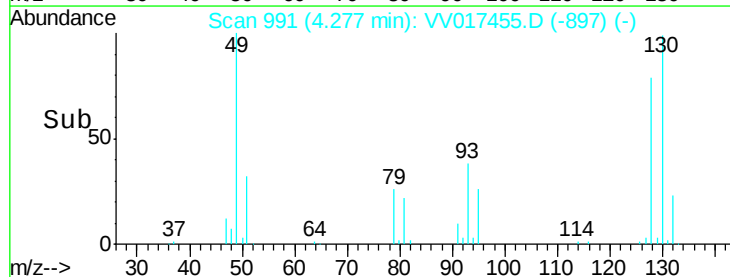
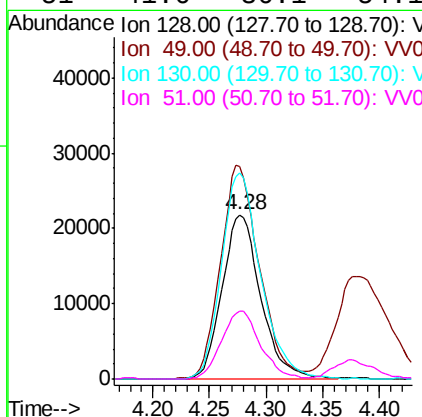
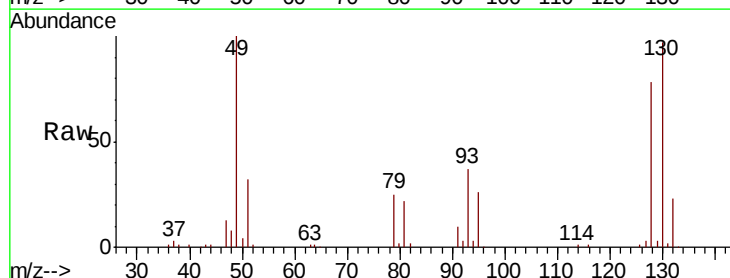
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

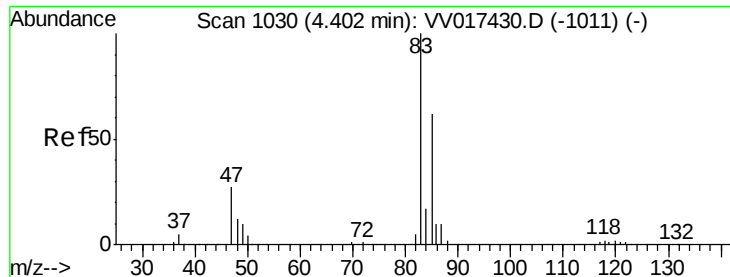
Tot Ion: 43 Resp: 114565
Ion Ratio Lower Upper
43 100
72 23.2 11.9 35.5



#23
Bromochloromethane
Concen: 48.155 ug/L
RT: 4.28 min Scan# 991
Delta R.T. 0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

Tgt Ion: 128 Resp: 51792
Ion Ratio Lower Upper
128 100
49 129.0 96.7 179.5
130 125.7 88.3 164.1
51 41.6 36.1 54.1

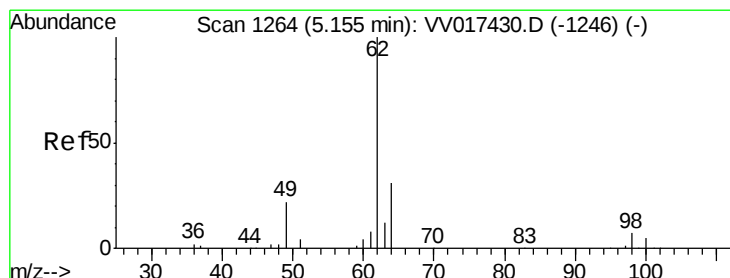
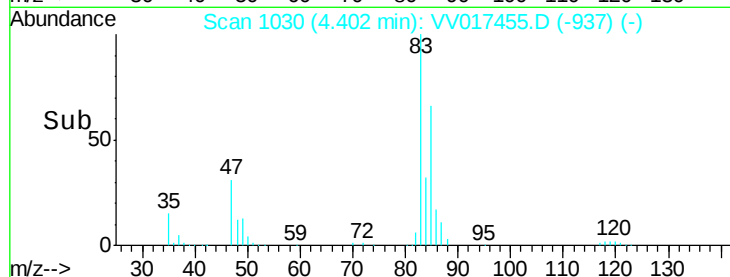
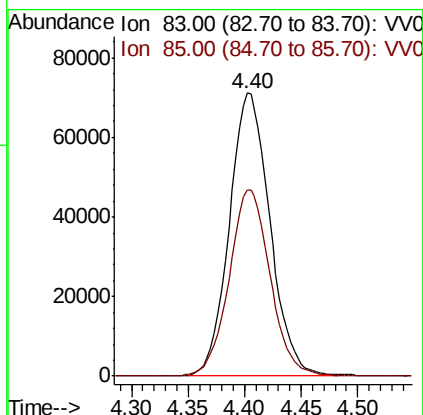
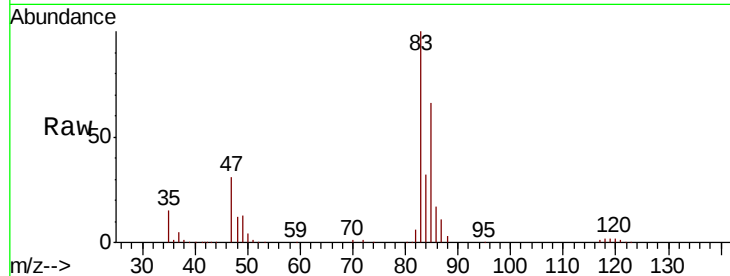




#25
Chloroform
Concen: 47.674 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

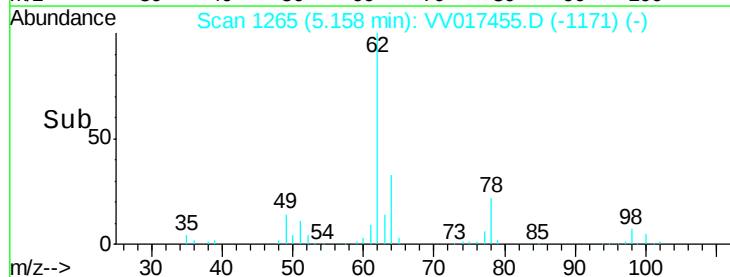
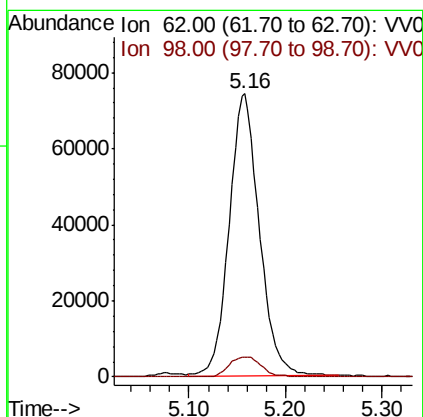
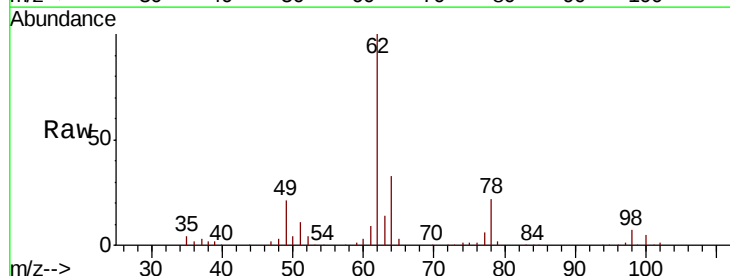
Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

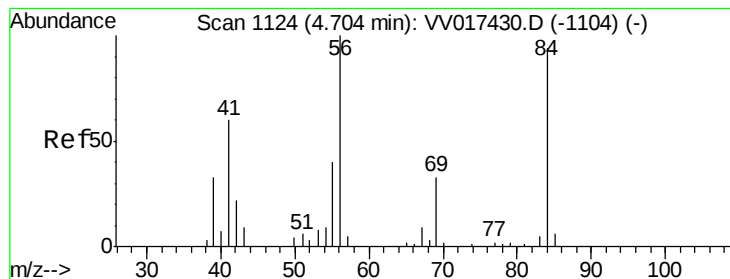
Tot Ion: 83 Resp: 177506
Ion Ratio Lower Upper
83 100
85 65.9 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.208 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

Tgt Ion: 62 Resp: 161048
Ion Ratio Lower Upper
62 100
98 7.1 6.4 9.6





#29

Cyclohexane

Concen: 45.950 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

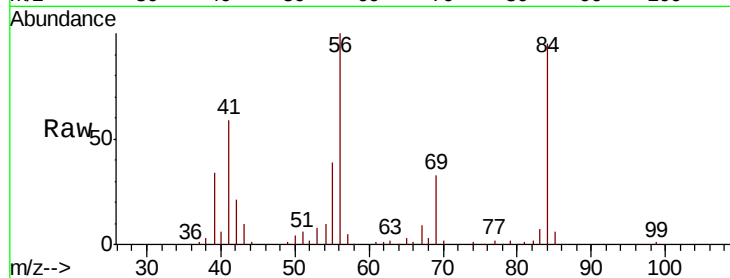
Tot Ion: 56 Resp: 128166

Ion Ratio Lower Upper

56 100

69 33.7 27.0 40.4

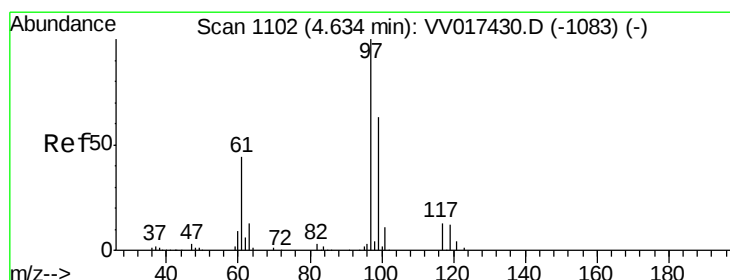
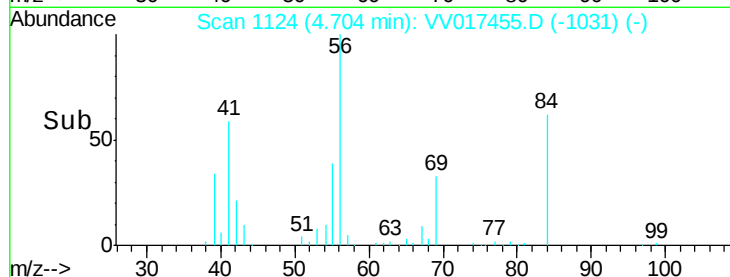
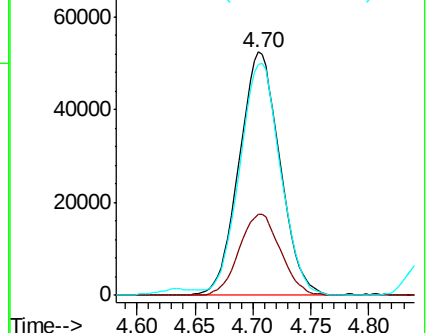
84 95.7 77.4 116.0



Abundance Ion 56.00 (55.70 to 56.70): VV017430.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV017430.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV017430.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 49.114 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

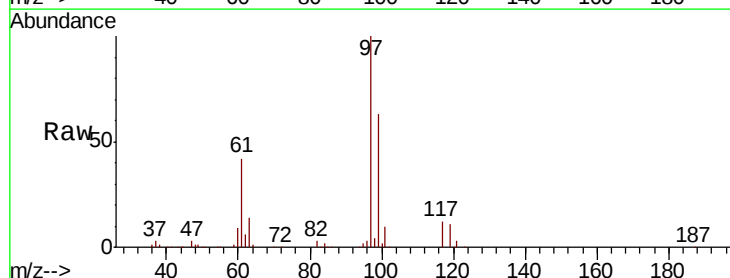
Tgt Ion: 97 Resp: 180644

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

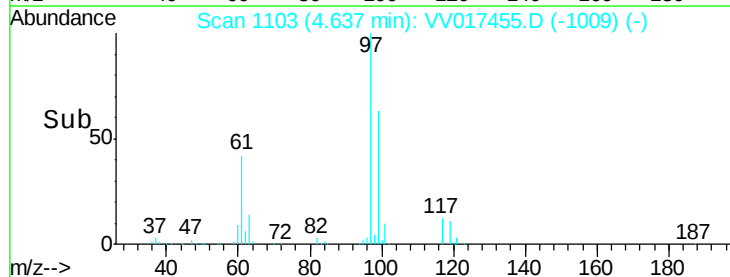
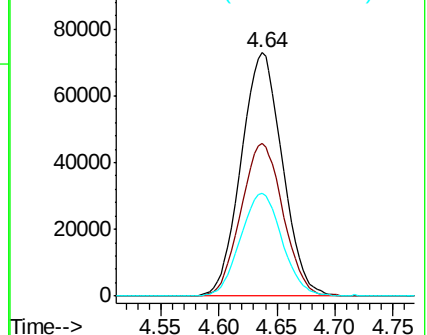
61 42.9 34.1 51.1

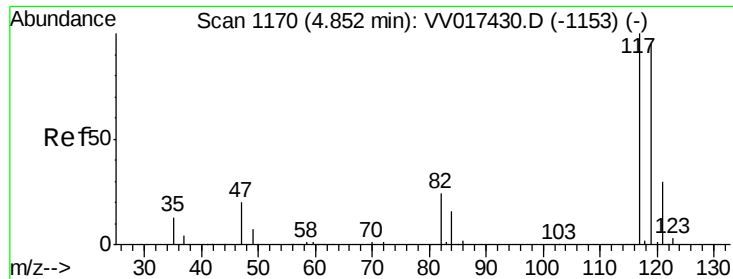


Abundance Ion 97.00 (96.70 to 97.70): VV017430.D (-1083) (-)

Ion 99.00 (98.70 to 99.70): VV017430.D (-1083) (-)

Ion 61.05 (60.75 to 61.75): VV017430.D (-1083) (-)





#31

Carbon tetrachloride

Concen: 48.004 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

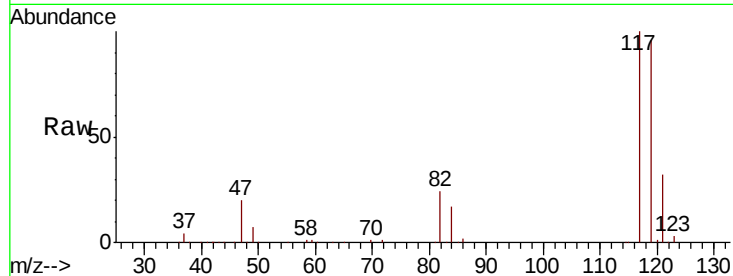
VSTD05081

Tot Ion:117 Resp: 161609

Ion Ratio Lower Upper

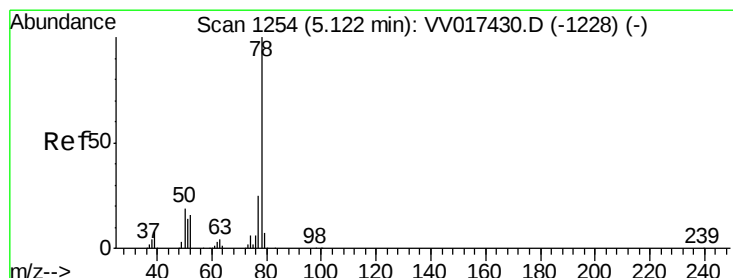
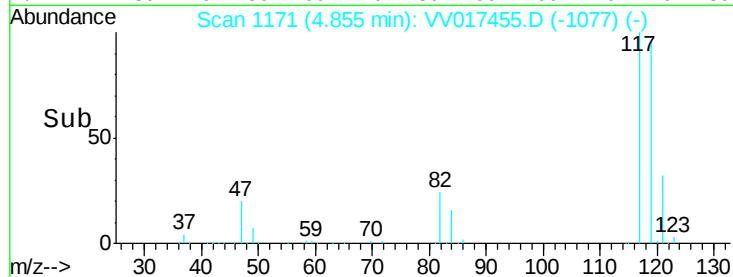
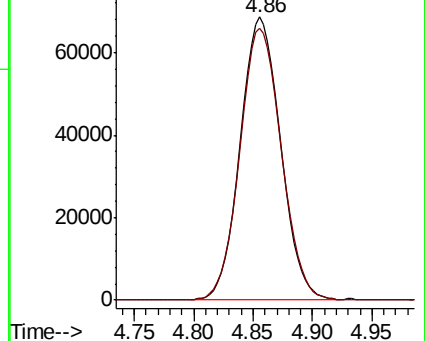
117 100

119 98.3 77.4 116.0



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.515 ug/L

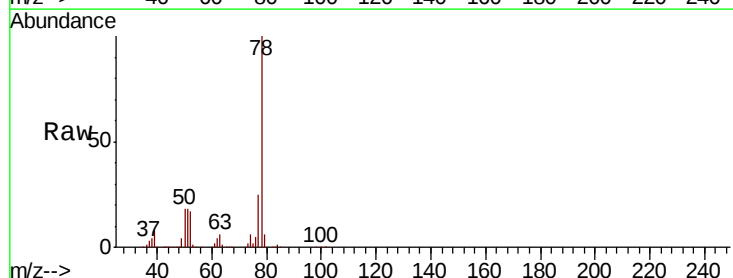
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

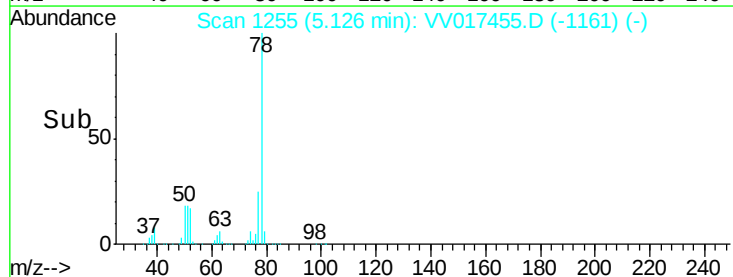
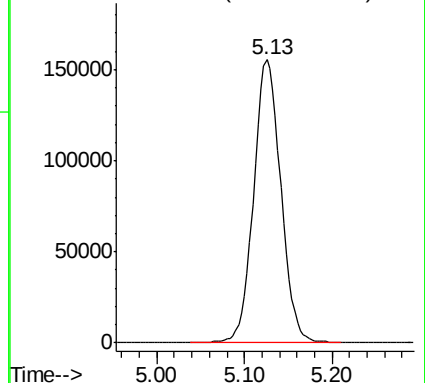
Lab File: VV017455.D

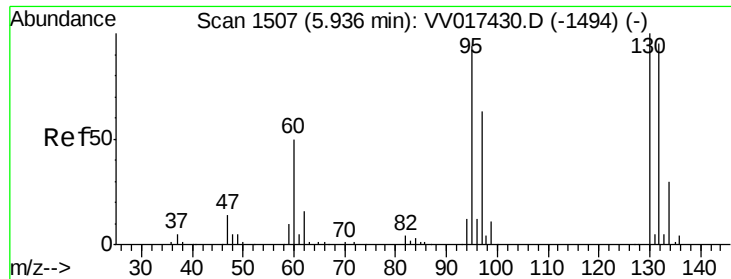
Acq: 10 Jul 2020 21:08

Tgt Ion: 78 Resp: 335947



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 45.833 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

Tot Ion: 95 Resp: 96209

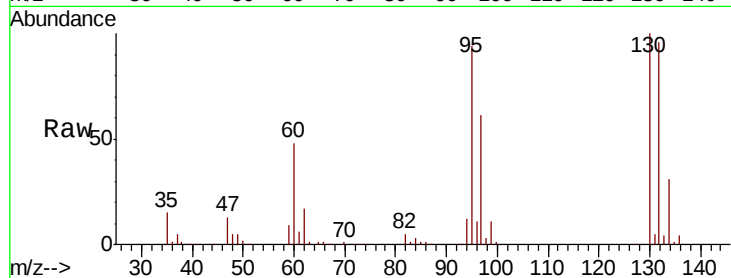
Ion Ratio Lower Upper

95 100

97 64.9 45.6 84.6

132 102.4 74.1 137.5

130 106.9 75.5 140.3



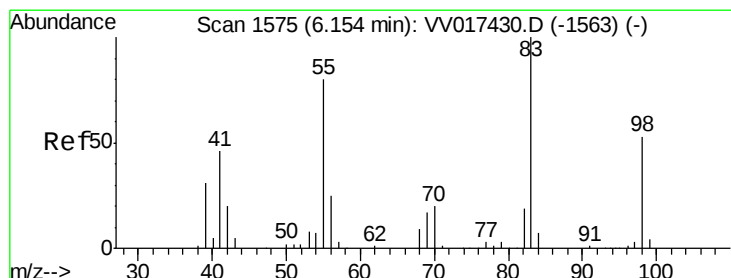
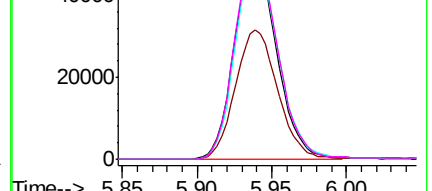
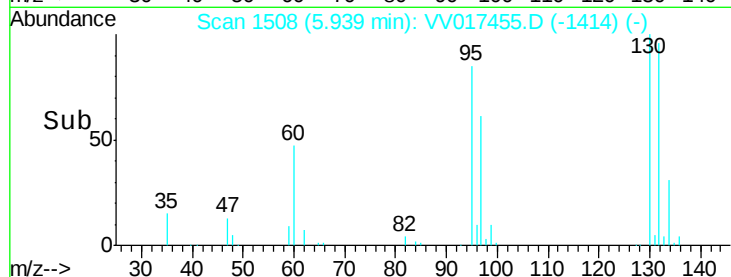
Abundance Ion 95.00 (94.70 to 95.70): VV017430.D (-1494) (-)

Ion 97.00 (96.70 to 97.70): VV017430.D (-1494) (-)

Ion 132.00 (131.70 to 132.70): VV017430.D (-1494) (-)

Ion 130.00 (129.70 to 130.70): VV017430.D (-1494) (-)

Time-->



#35

Methylcyclohexane

Concen: 46.178 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

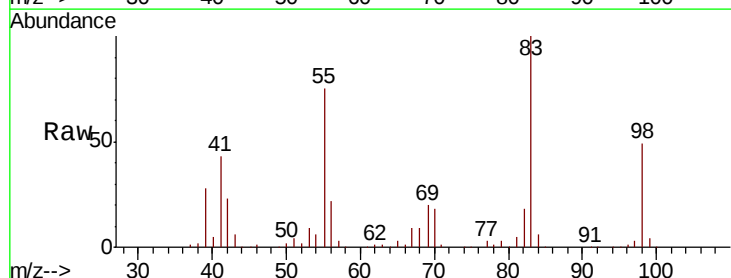
Tgt Ion: 83 Resp: 141944

Ion Ratio Lower Upper

83 100

55 76.4 61.0 91.6

98 51.0 41.3 61.9

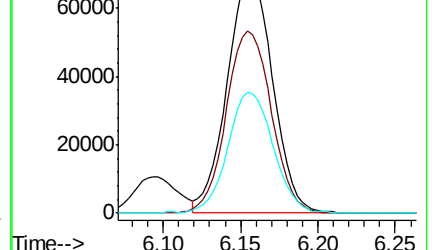
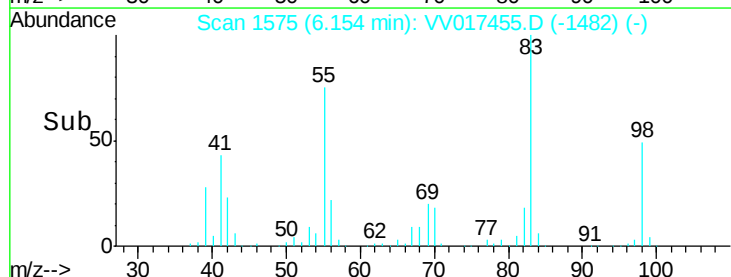


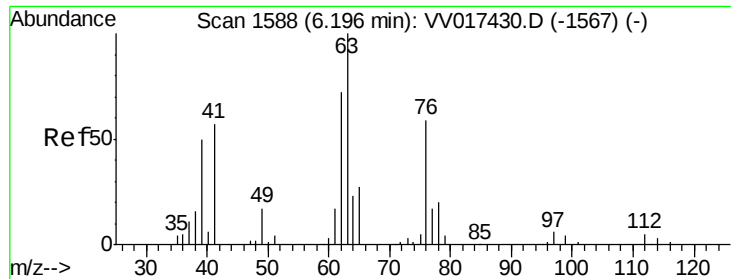
Abundance Ion 83.00 (82.70 to 83.70): VV017430.D (-1563) (-)

Ion 55.00 (54.70 to 55.70): VV017430.D (-1563) (-)

Ion 98.00 (97.70 to 98.70): VV017430.D (-1563) (-)

Time-->

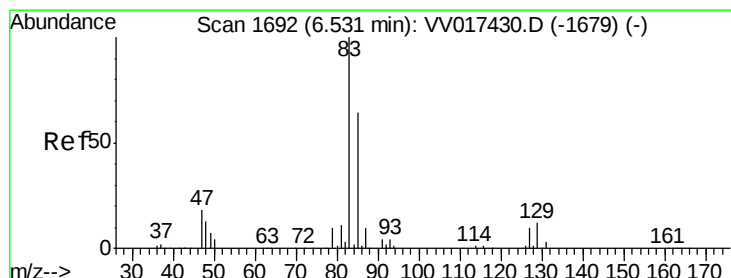
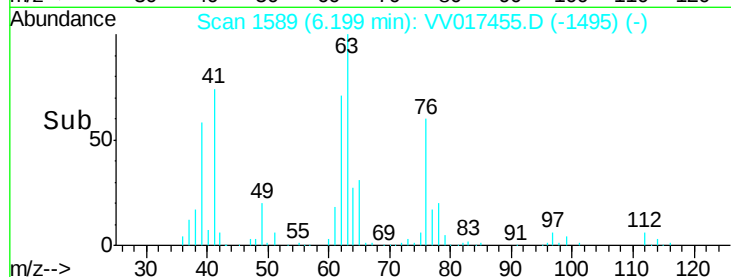
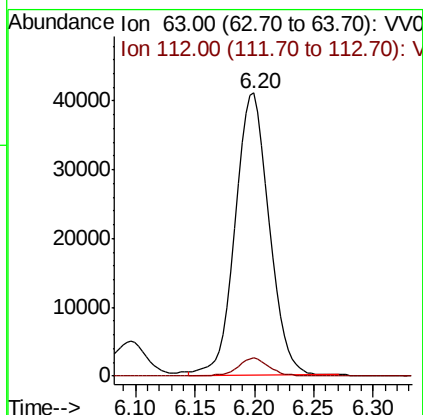
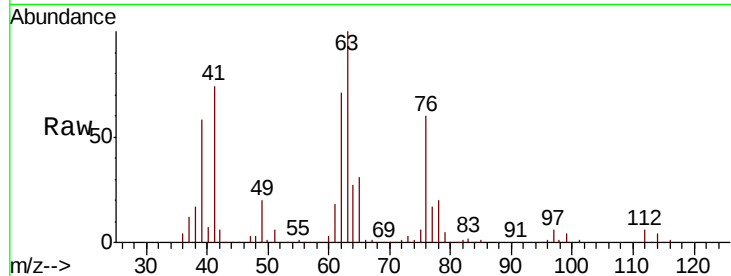




#37
 1,2-Dichloropropane
 Concen: 47.126 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

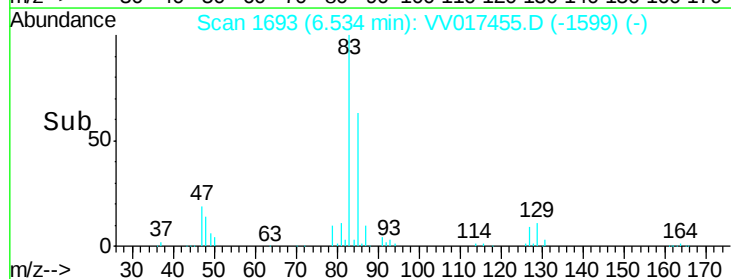
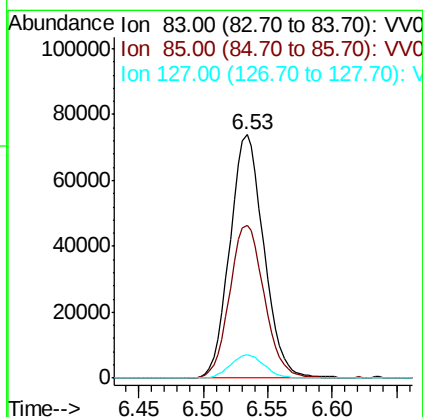
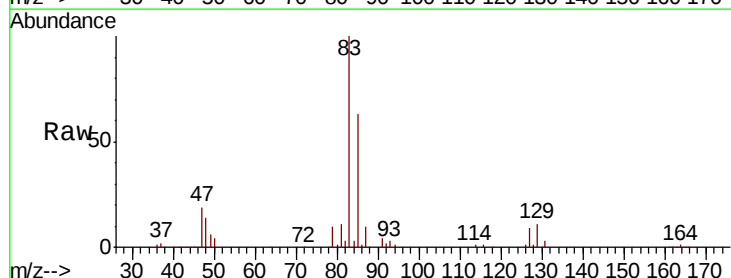
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

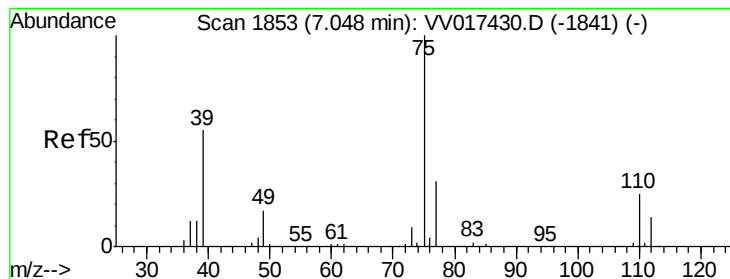
Tot Ion: 63 Resp: 81494
 Ion Ratio Lower Upper
 63 100
 112 5.9 4.4 6.6



#38
 Bromodichloromethane
 Concen: 48.122 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Tgt Ion: 83 Resp: 135504
 Ion Ratio Lower Upper
 83 100
 85 62.8 44.6 82.8
 127 9.4 7.4 11.2



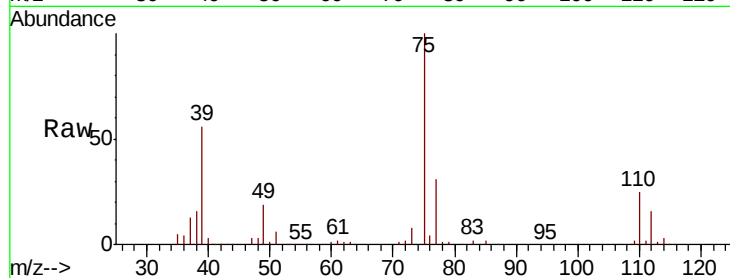


#39

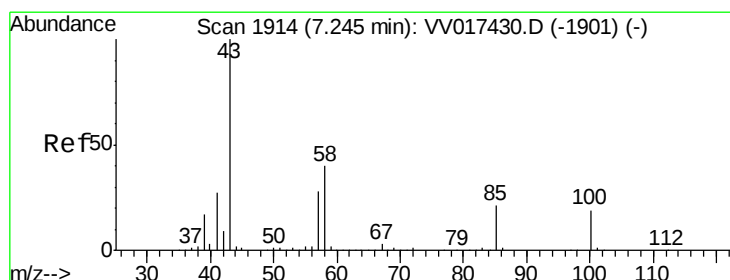
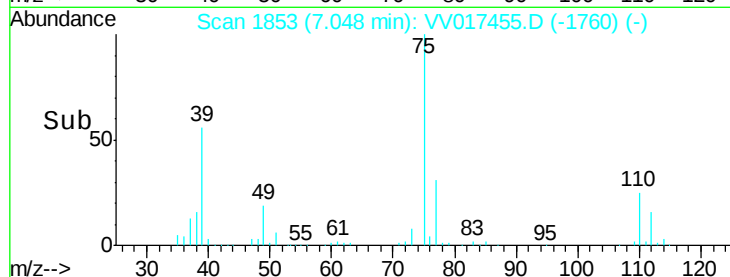
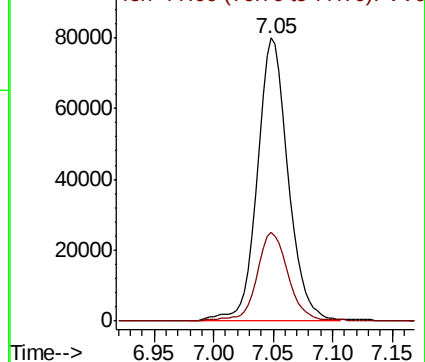
cis-1,3-Dichloropropene
Concen: 48.639 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tot Ion: 75 Resp: 143338
Ion Ratio Lower Upper
75 100
77 31.3 22.2 41.2



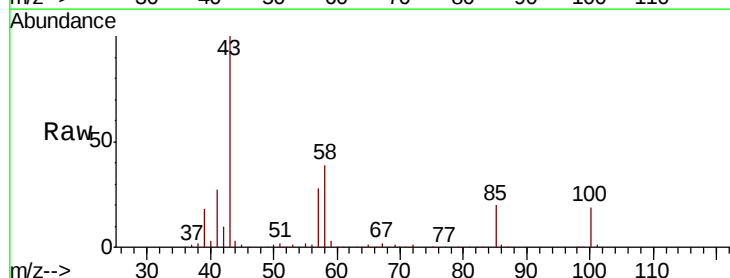
Abundance Ion 75.00 (74.70 to 75.70): VV0
Ion 77.00 (76.70 to 77.70): VV0



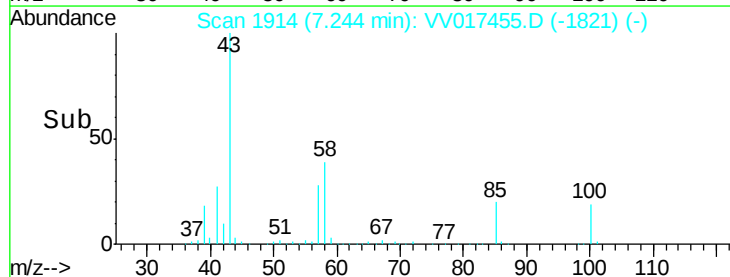
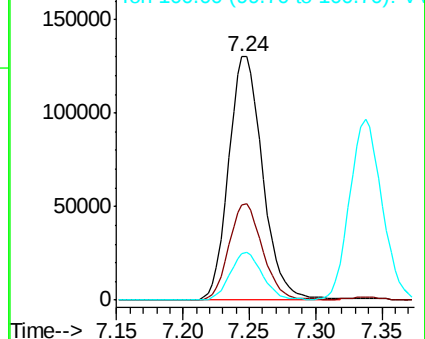
#40

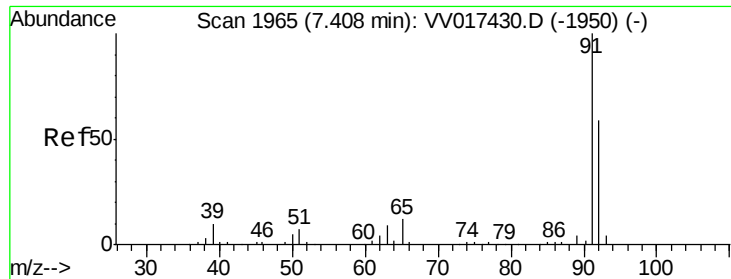
4-Methyl-2-pentanone
Concen: 97.152 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

Tgt Ion: 43 Resp: 232306
Ion Ratio Lower Upper
43 100
58 39.2 32.2 48.4
100 18.6 14.1 21.1



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





#42

Toluene

Concen: 47.498 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

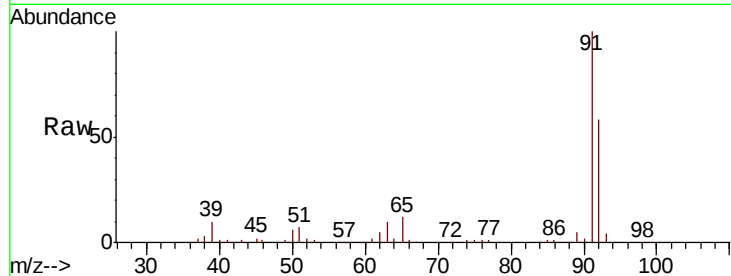
VSTD05081

Tot Ion: 91 Resp: 375353

Ion Ratio Lower Upper

91 100

92 58.4 40.8 75.8



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

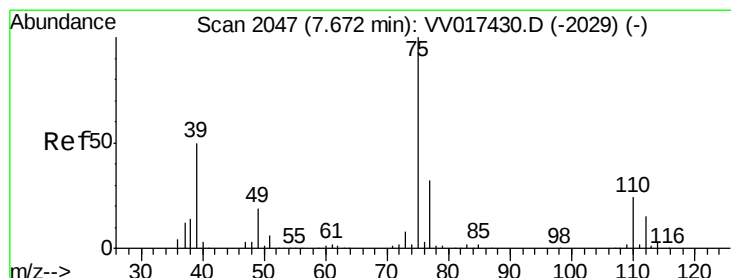
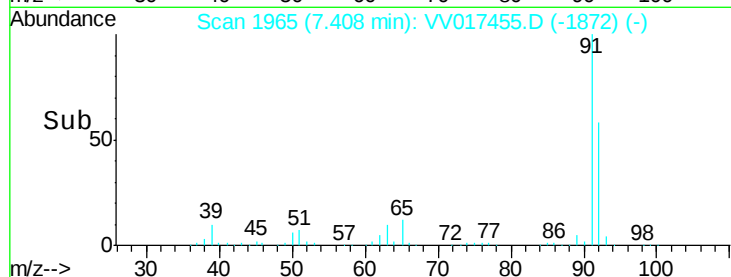
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 48.111 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV017455.D

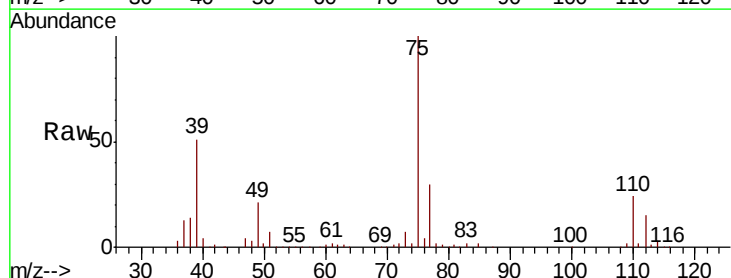
Acq: 10 Jul 2020 21:08

Tgt Ion: 75 Resp: 146647

Ion Ratio Lower Upper

75 100

77 30.4 21.3 39.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

100000

80000

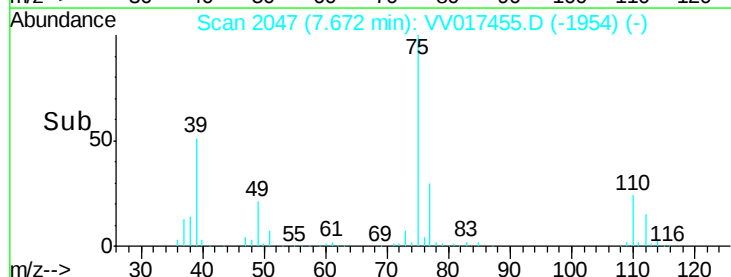
60000

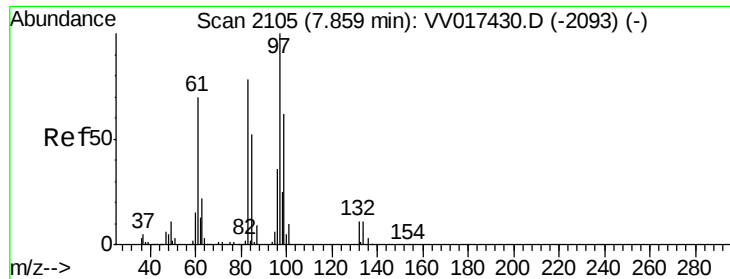
40000

20000

0

Time-->

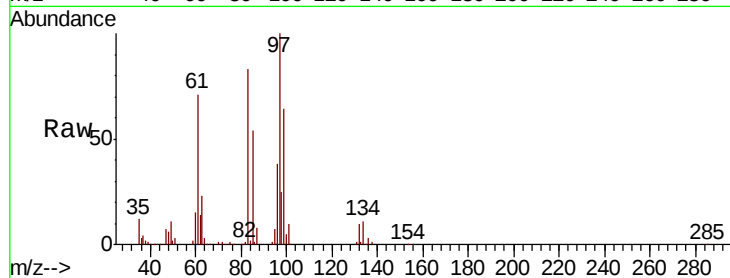




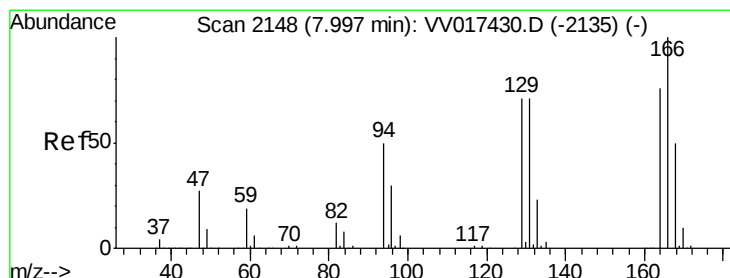
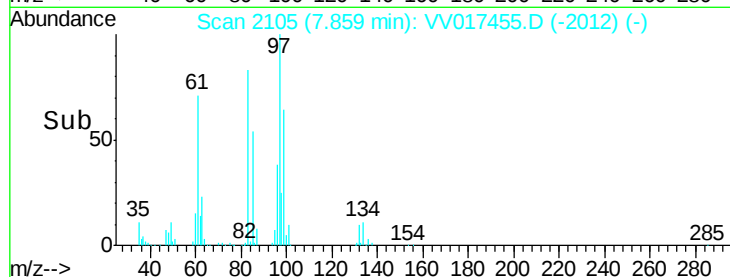
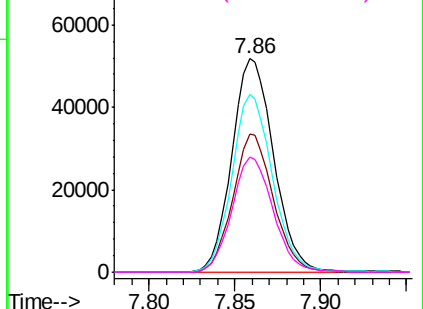
#45
 1,1,2-Trichloroethane
 Concen: 46.826 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion:	97	Resp:	87858
Ion	Ratio	Lower	Upper
97	100		
99	64.5	44.6	82.8
83	83.3	60.1	111.7
85	53.7	39.0	72.4

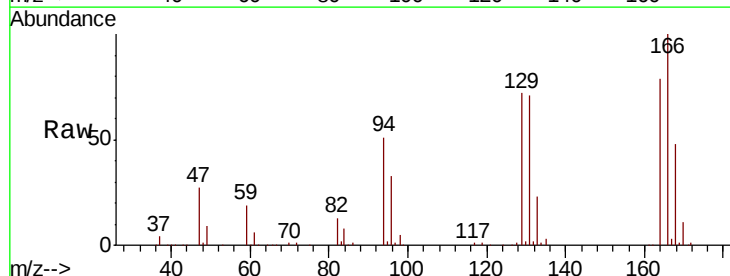


Abundance Ion 97.00 (96.70 to 97.70): VV017430.D (-2093) (-)

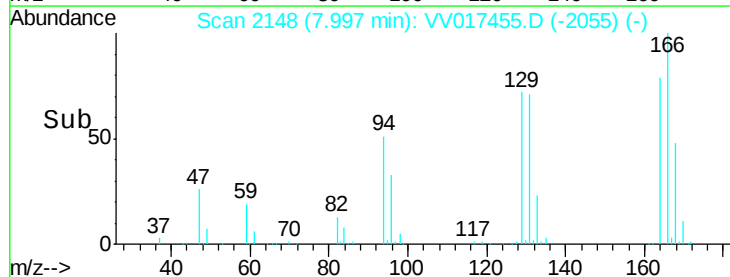
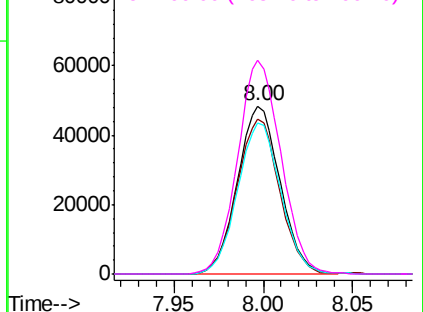


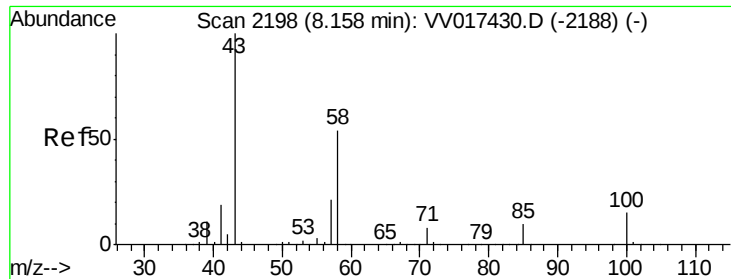
#46
 Tetrachloroethene
 Concen: 45.855 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Tgt Ion:	164	Resp:	80822
Ion	Ratio	Lower	Upper
164	100		
129	91.8	66.6	123.8
131	89.9	65.5	121.7
166	127.0	93.9	174.5



Abundance Ion 164.00 (163.70 to 164.70): VV017430.D (-2135) (-)

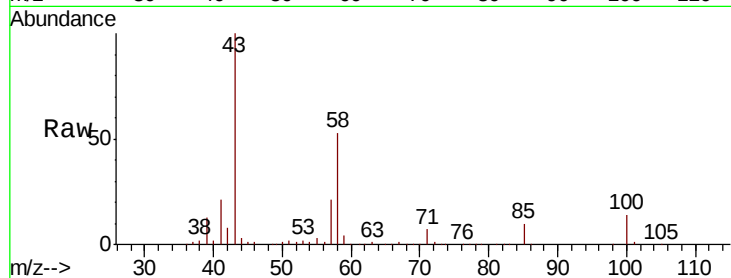




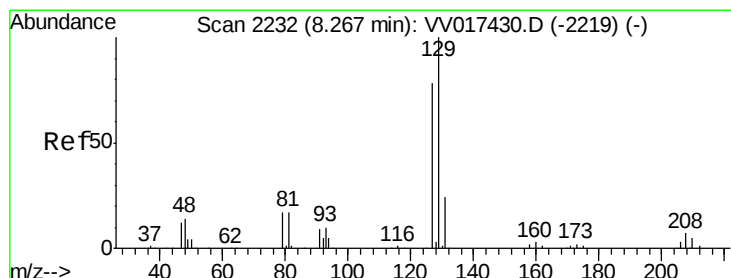
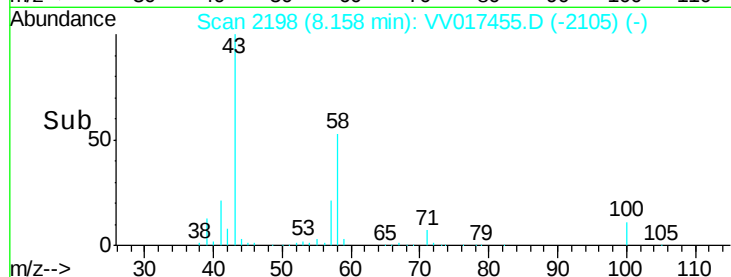
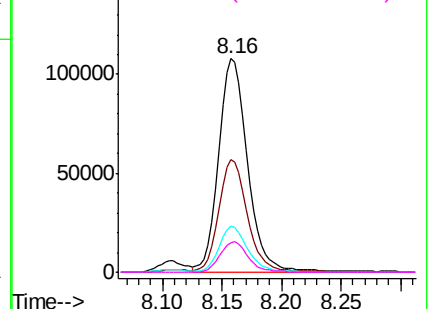
#48
2-Hexanone
Concen: 93.511 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD05081

Tot Ion: 43 Resp: 181012
Ion Ratio Lower Upper
43 100
58 51.9 42.6 64.0
57 21.0 16.2 24.4
100 13.9 10.9 16.3

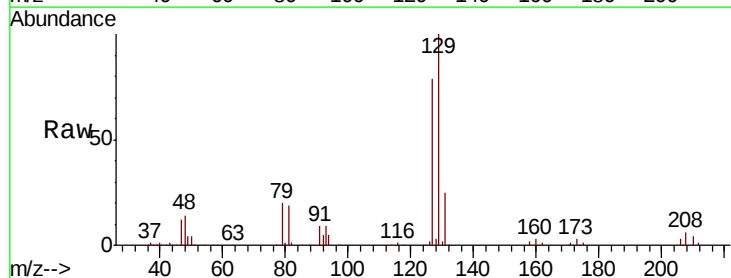


Abundance Ion 43.00 (42.70 to 43.70): VV017430.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV017430.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV017430.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV017430.D (-2188) (-)

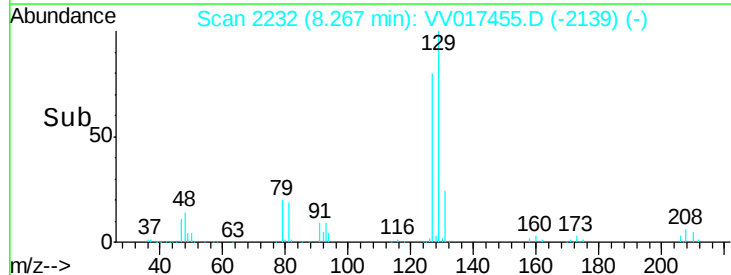
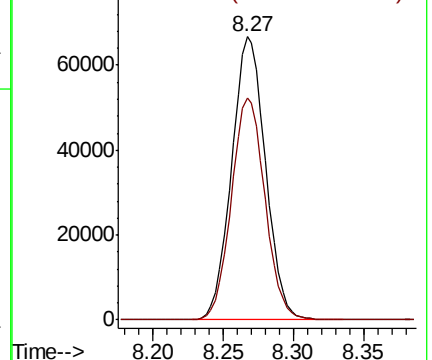


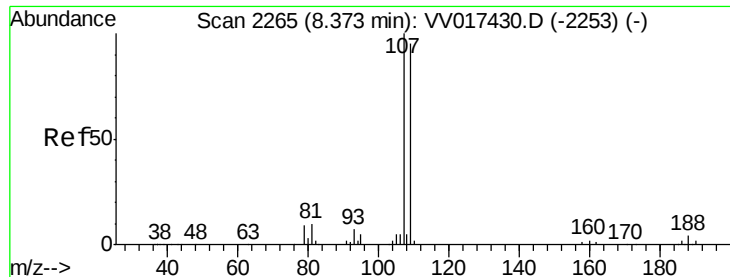
#49
Dibromochloromethane
Concen: 47.896 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017455.D
Acq: 10 Jul 2020 21:08

Tgt Ion: 129 Resp: 112106
Ion Ratio Lower Upper
129 100
127 78.6 54.6 101.4



Abundance Ion 129.00 (128.70 to 129.70): VV017430.D (-2219) (-)
Ion 127.00 (126.70 to 127.70): VV017430.D (-2219) (-)

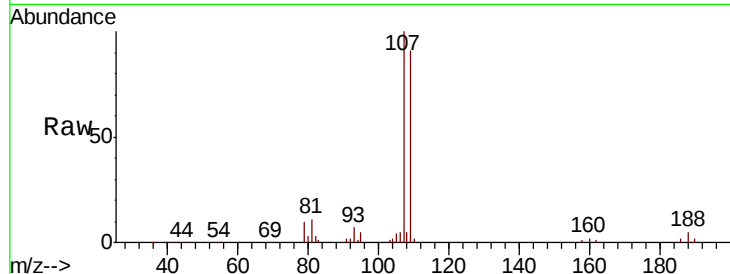




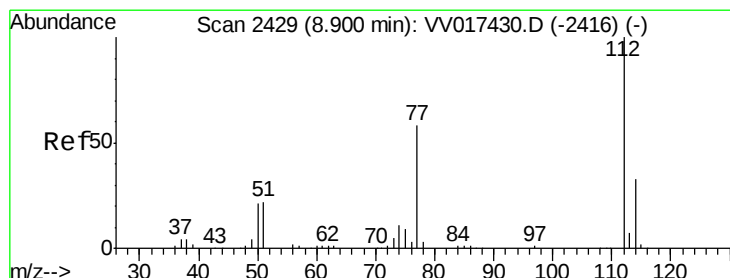
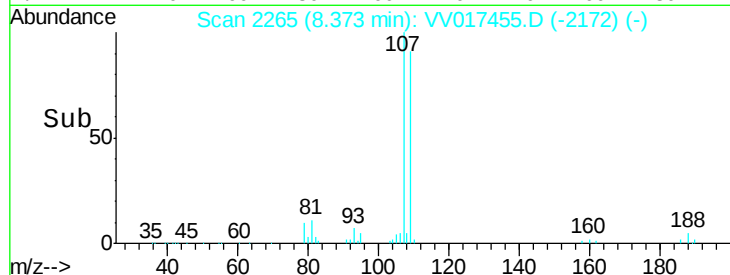
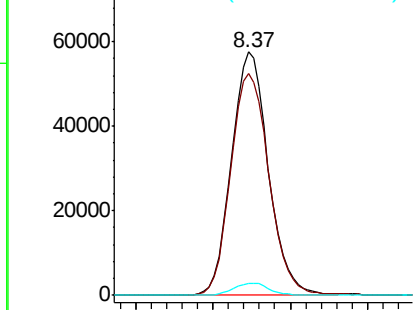
#50
 1,2-Dibromoethane
 Concen: 47.330 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion	Ratio	Lower	Upper
107	100		
109	90.9	67.3	125.1
188	4.9	3.5	5.3

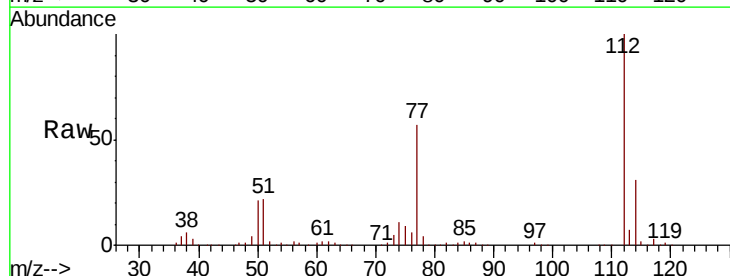


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

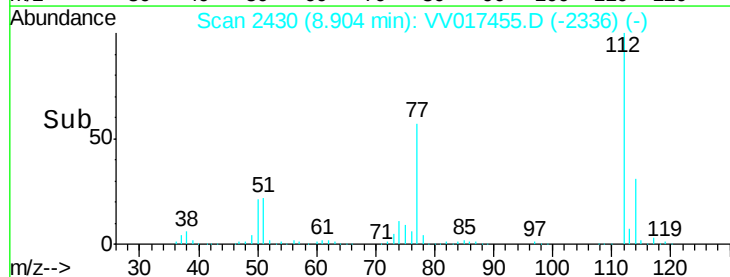
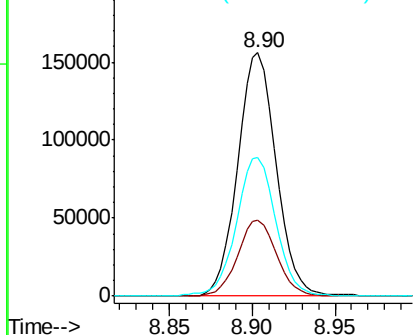


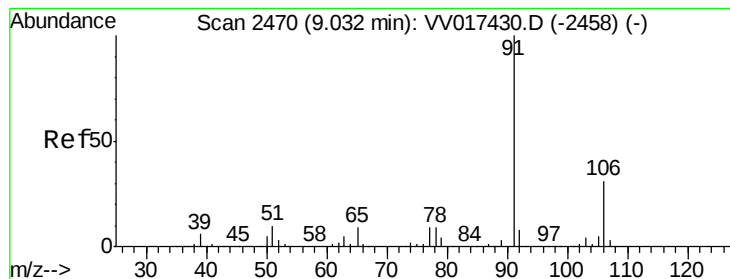
#51
 Chlorobenzene
 Concen: 46.972 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.7	42.1
77	56.9	46.7	70.1



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





#52

Ethylbenzene

Concen: 47.934 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

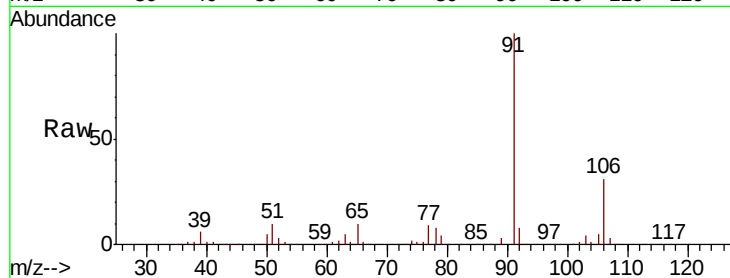
VSTD05081

Tot Ion: 91 Resp: 433280

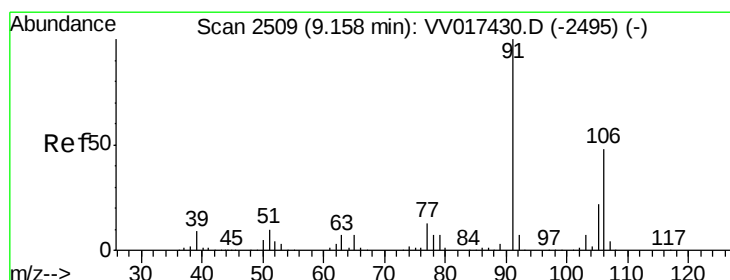
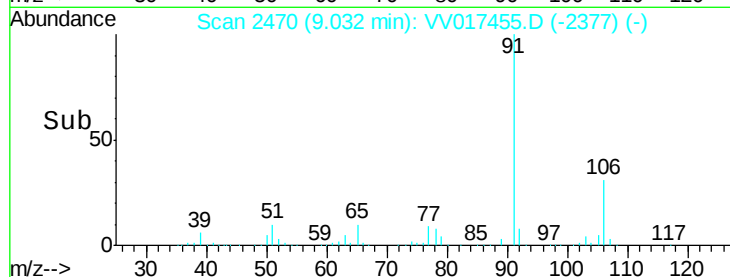
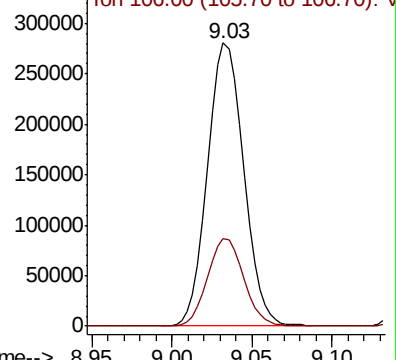
Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV017430.D (-2458) (-)



#53

m,p-Xylene

Concen: 48.181 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV017455.D

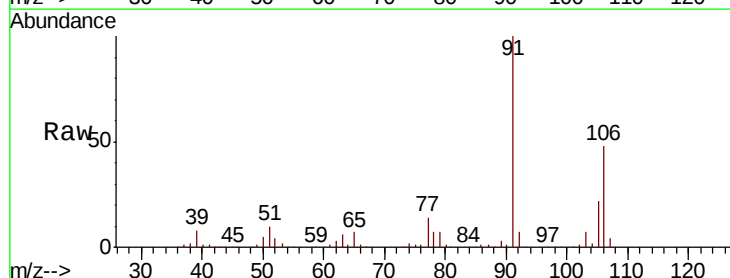
Acq: 10 Jul 2020 21:08

Tgt Ion: 106 Resp: 163046

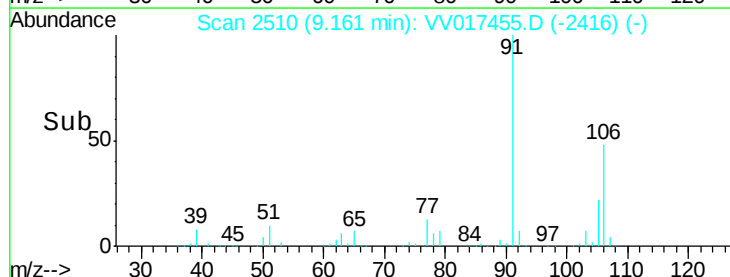
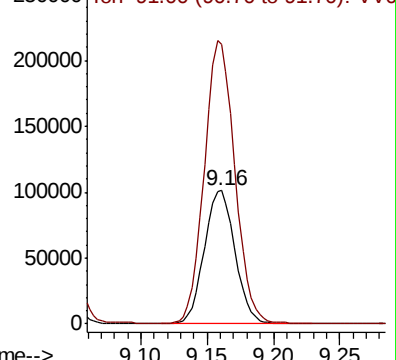
Ion Ratio Lower Upper

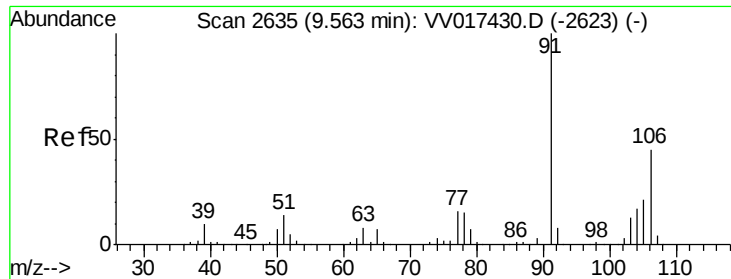
106 100

91 210.1 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): VV017430.D (-2495) (-)





#54

o-xylene

Concen: 49.330 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. 0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

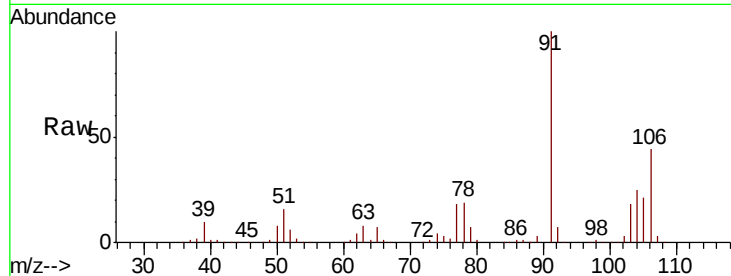
VSTD05081

Tot Ion:106 Resp: 160345

Ion Ratio Lower Upper

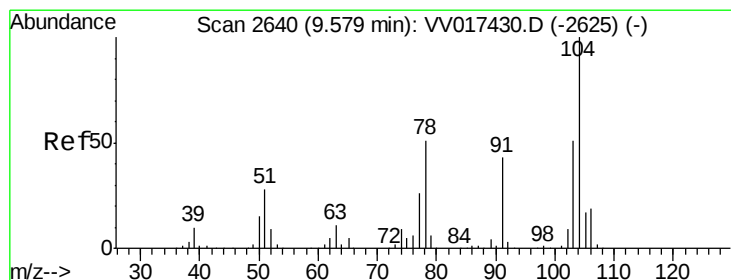
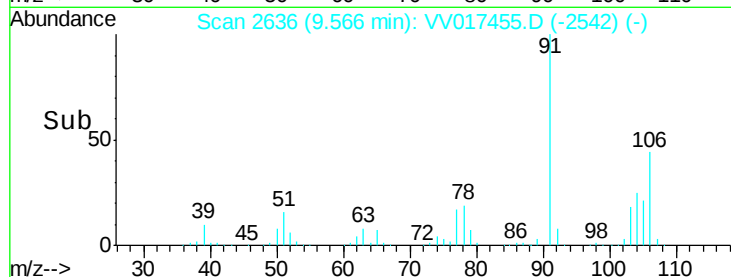
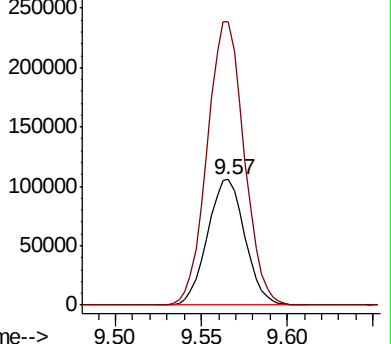
106 100

91 225.2 155.6 289.0



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 48.888 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017455.D

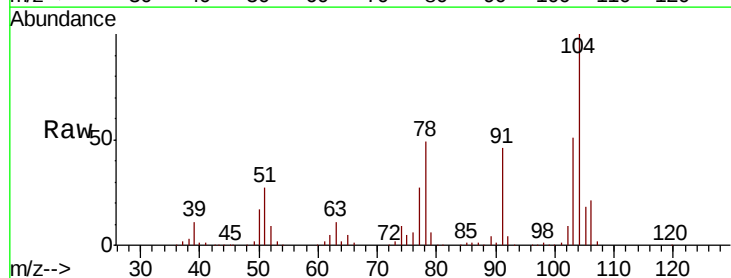
Acq: 10 Jul 2020 21:08

Tgt Ion:104 Resp: 276029

Ion Ratio Lower Upper

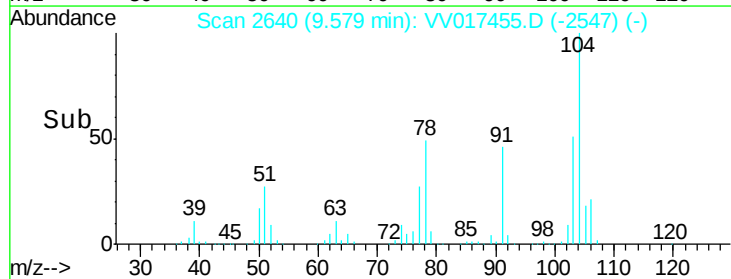
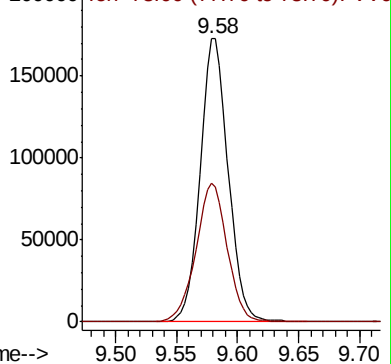
104 100

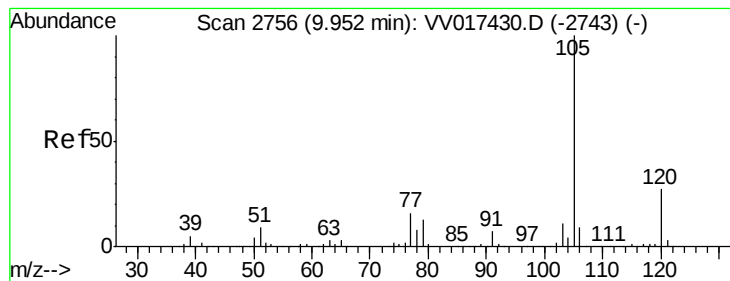
78 49.2 33.1 61.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.331 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

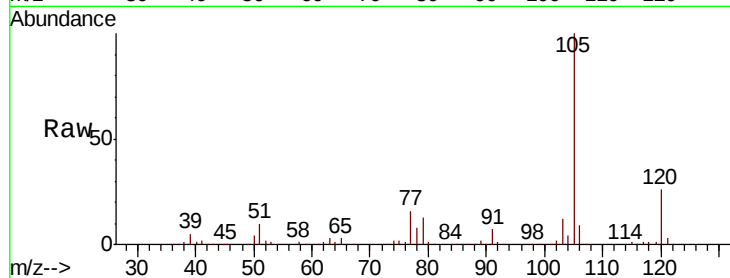
Tot Ion:105 Resp: 446108

Ion Ratio Lower Upper

105 100

120 26.0 21.1 31.7

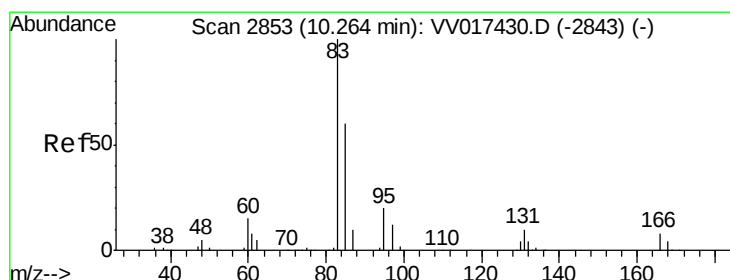
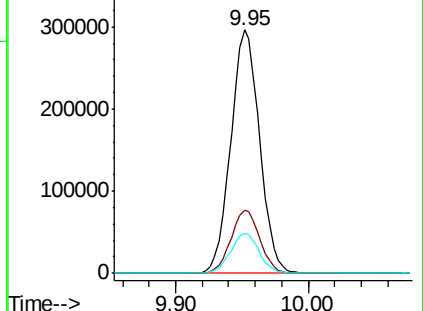
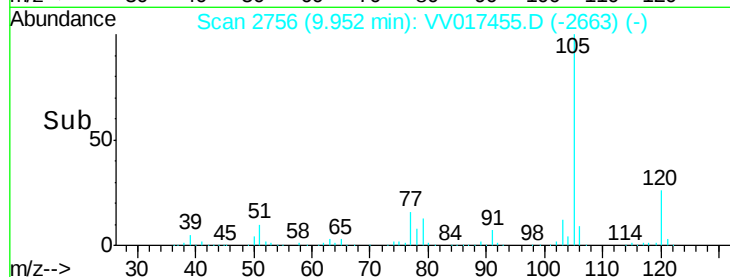
77 16.4 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): VV017430.D (-2743) (-)

Ion 120.00 (119.70 to 120.70): VV017430.D (-2743) (-)

Ion 77.00 (76.70 to 77.70): VV017430.D (-2743) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 46.361 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

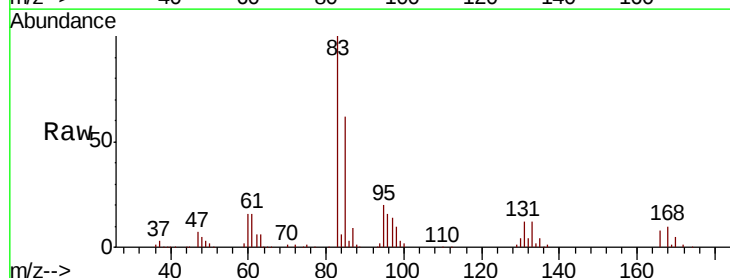
Tgt Ion: 83 Resp: 127740

Ion Ratio Lower Upper

83 100

85 61.8 44.9 83.5

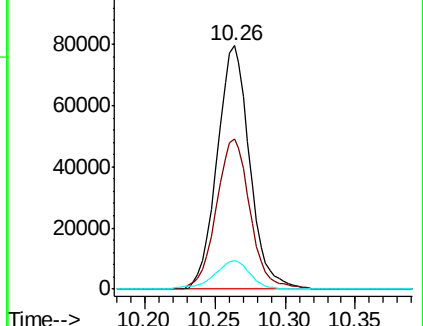
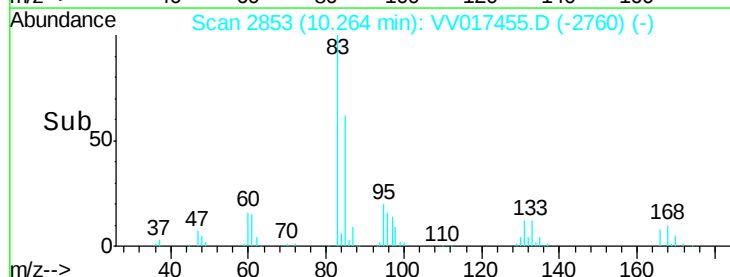
131 11.8 9.4 14.2

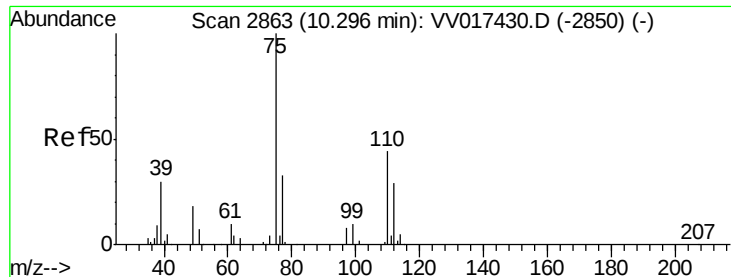


Abundance Ion 83.00 (82.70 to 83.70): VV017430.D (-2843) (-)

Ion 85.00 (84.70 to 85.70): VV017430.D (-2843) (-)

Ion 131.00 (130.70 to 131.70): VV017430.D (-2843) (-)

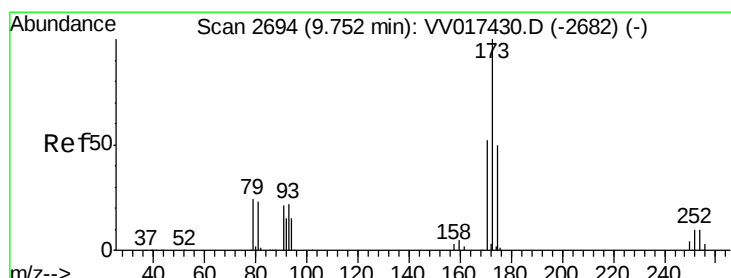
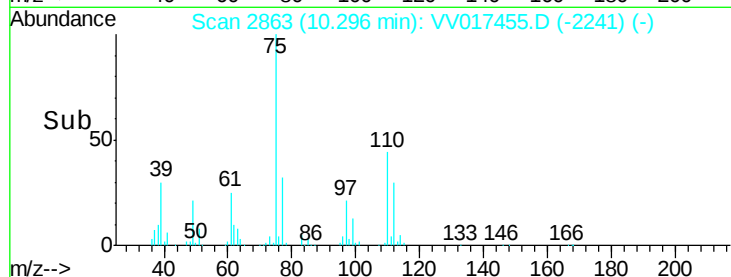
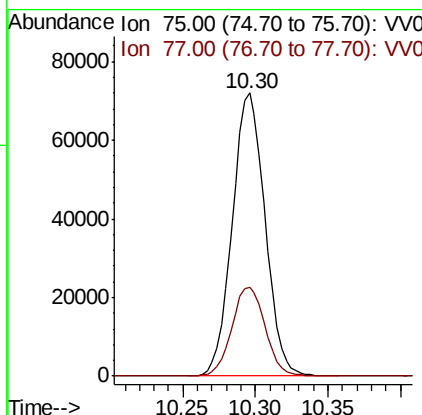
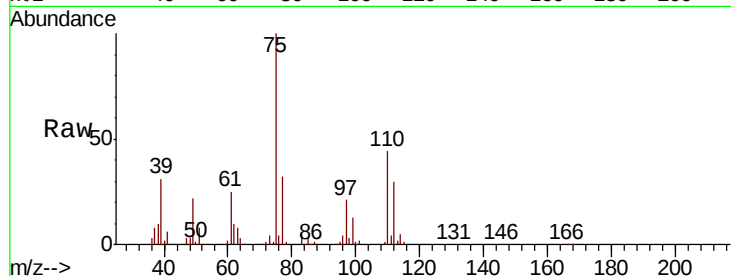




#59
 1,2,3-Trichloropropane
 Concen: 47.177 ug/L
 RT: 10.30 min Scan# 2863
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

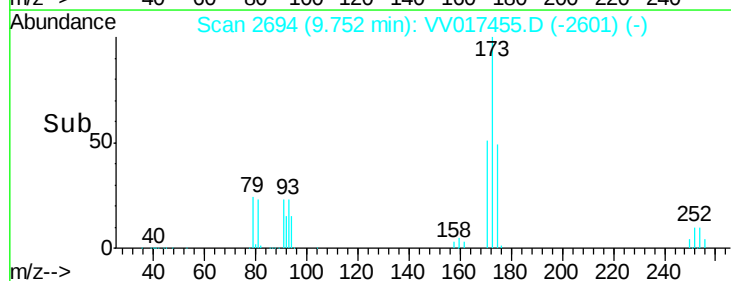
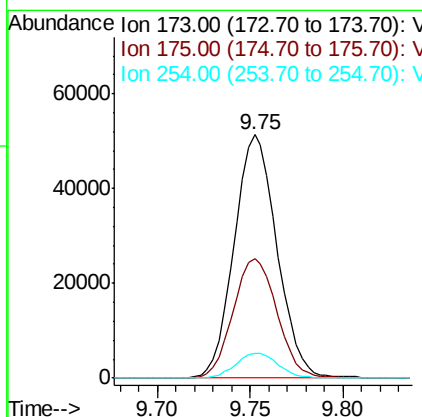
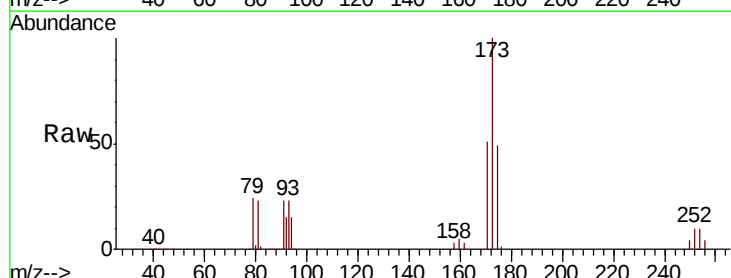
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

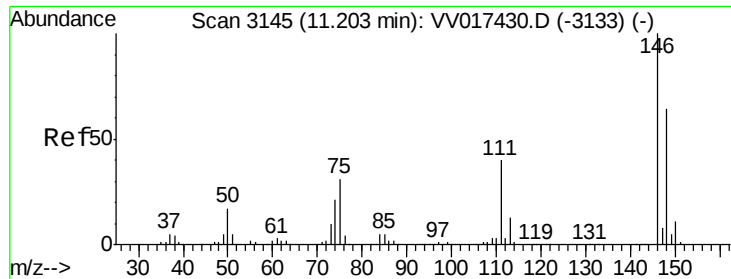
Tot Ion: 75 Resp: 113050
 Ion Ratio Lower Upper
 75 100
 77 31.9 26.5 39.7



#61
 Bromoform
 Concen: 46.896 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Tgt Ion: 173 Resp: 81908
 Ion Ratio Lower Upper
 173 100
 175 50.5 38.1 57.1
 254 10.3 7.4 11.2

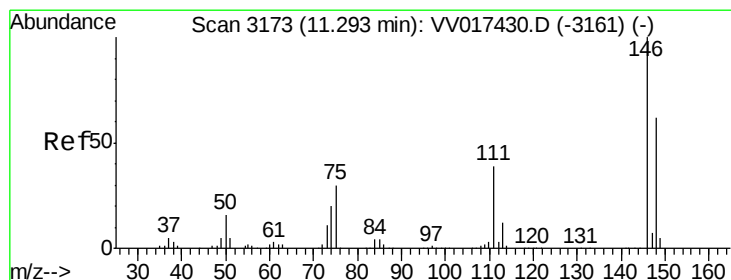
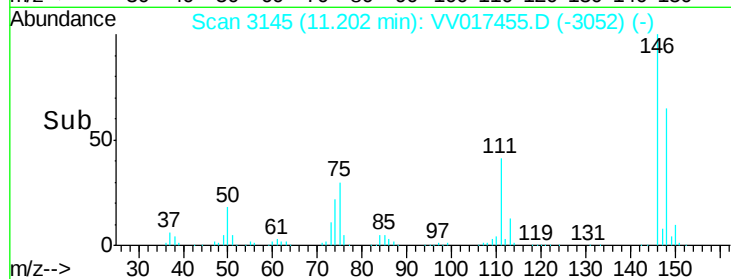
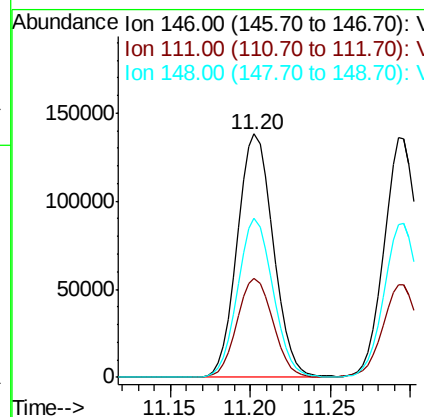
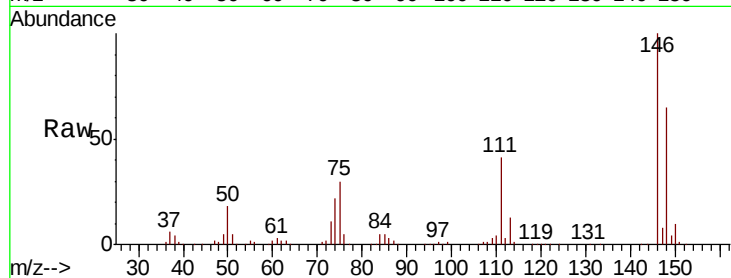




#62
 1,3-Dichlorobenzene
 Concen: 46.599 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

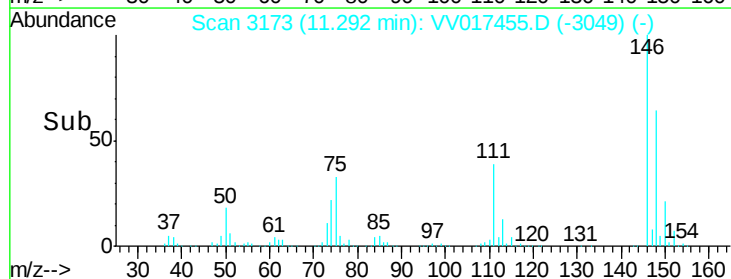
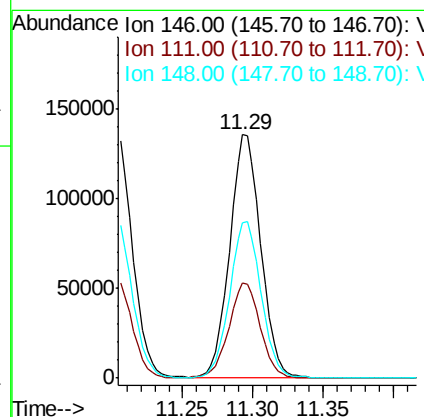
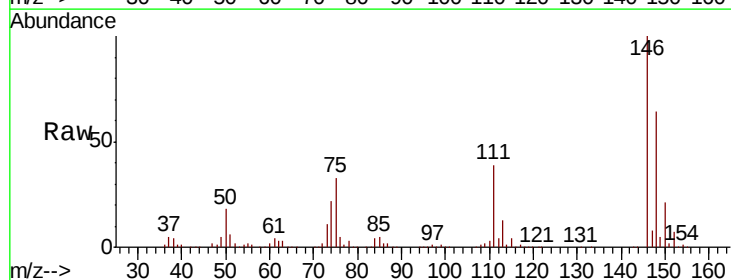
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

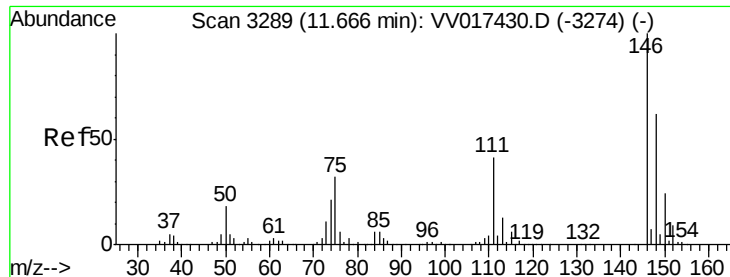
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.5	27.2	50.6
148	65.4	44.7	82.9



#63
 1,4-Dichlorobenzene
 Concen: 45.585 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	27.2	50.4
148	63.9	45.4	84.4





#65

1,2-Dichlorobenzene

Concen: 47.231 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampled :

VSTD05081

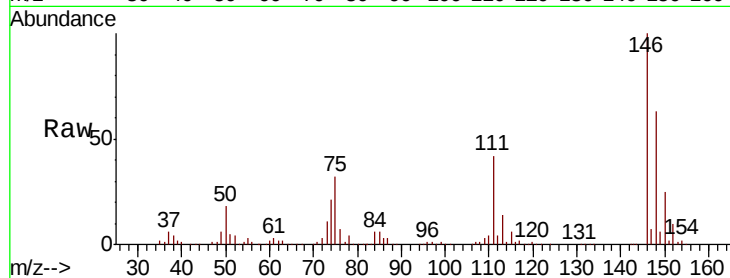
Tot Ion:146 Resp: 213331

Ion Ratio Lower Upper

146 100

111 42.1 33.5 50.3

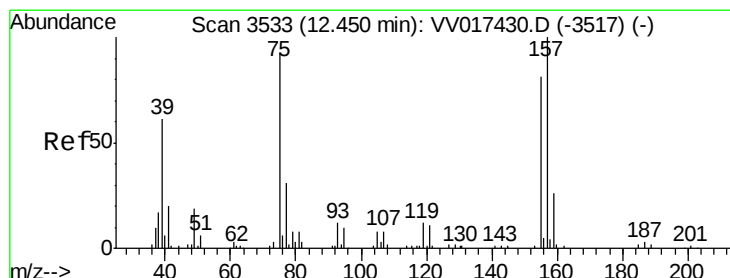
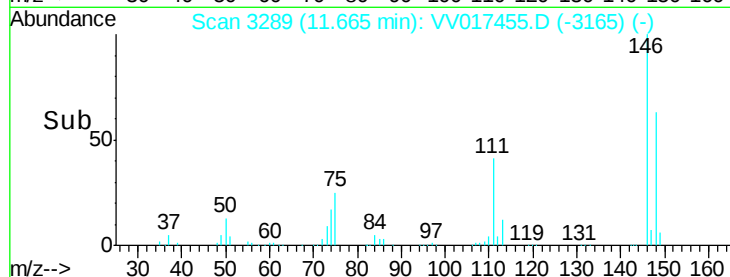
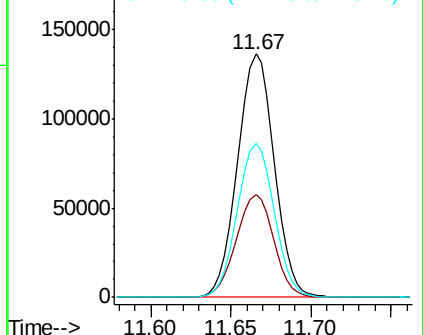
148 63.2 50.6 76.0



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 49.386 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

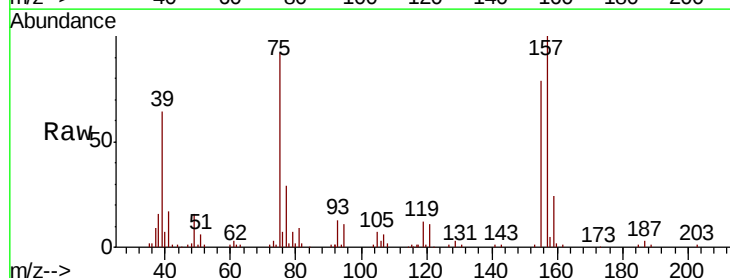
Tgt Ion: 75 Resp: 36297

Ion Ratio Lower Upper

75 100

155 85.4 63.4 95.2

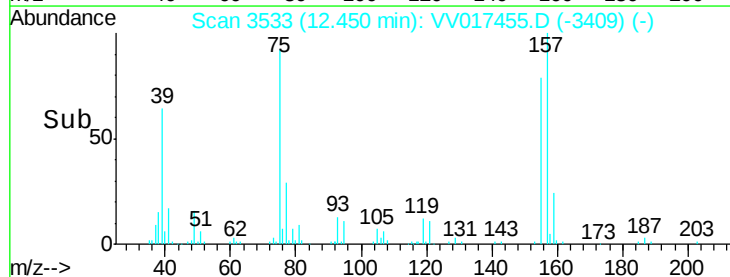
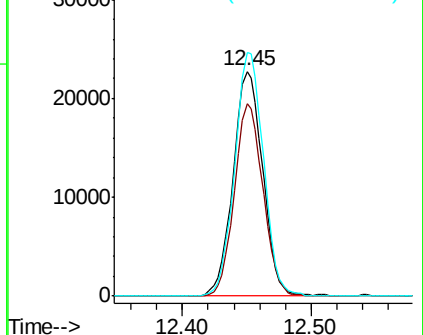
157 108.3 84.5 126.7

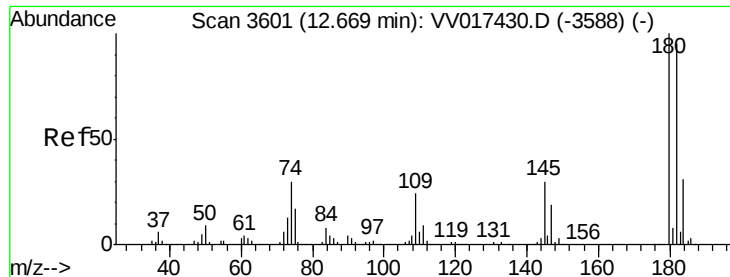


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

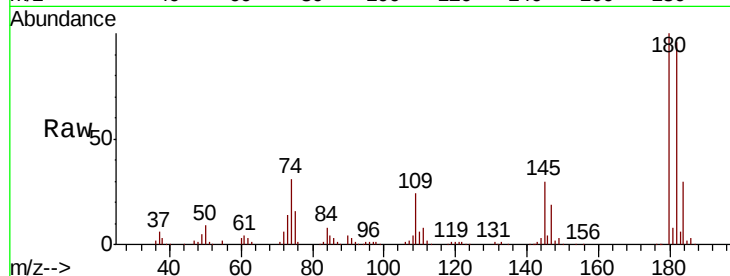




#67
 1,3,5-Trichlorobenzene
 Concen: 47.454 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05081

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.0	115.4
184	30.1	24.0	36.0
145	30.3	23.8	35.8



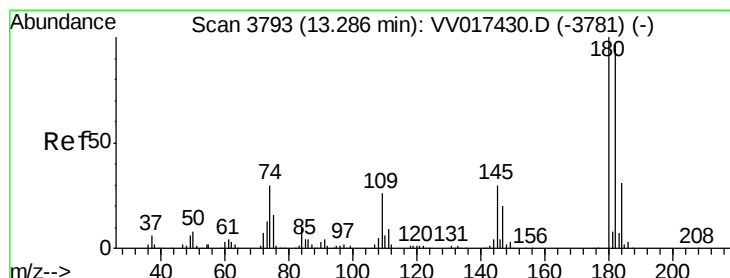
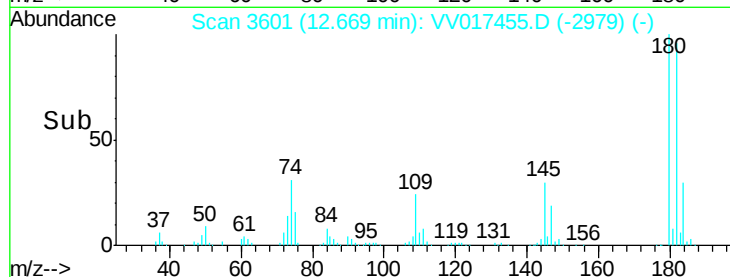
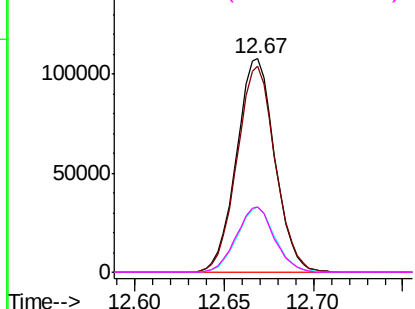
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

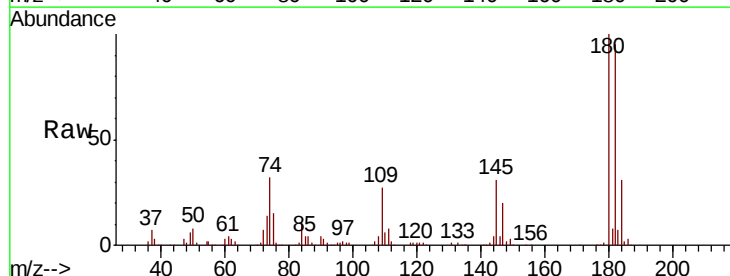
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 48.659 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017455.D
 Acq: 10 Jul 2020 21:08

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.0	114.0
145	31.1	24.6	36.8

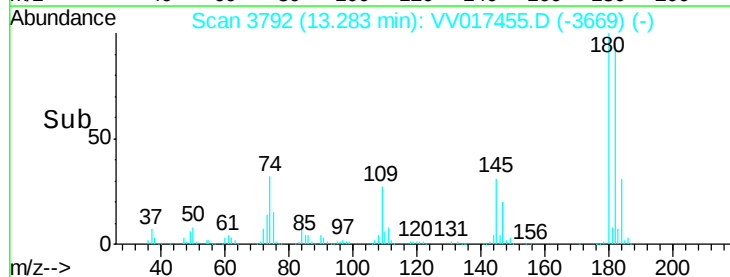
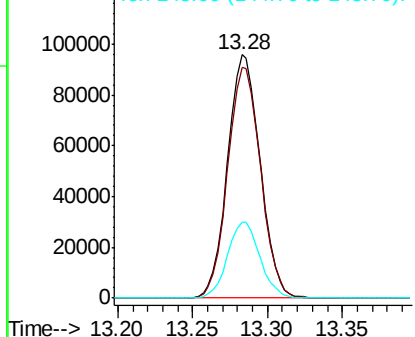


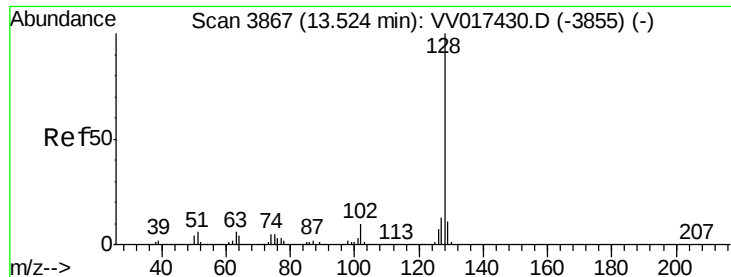
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 51.890 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD05081

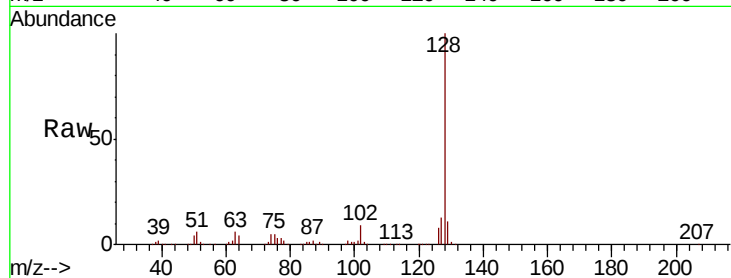
Tot Ion:128 Resp: 433704

Ion Ratio Lower Upper

128 100

127 13.6 10.7 16.1

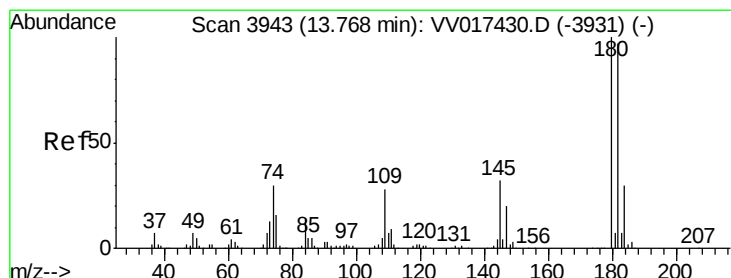
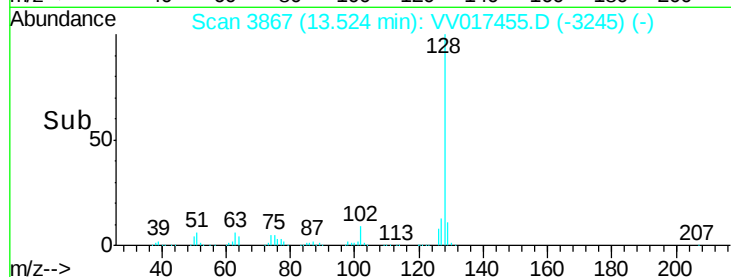
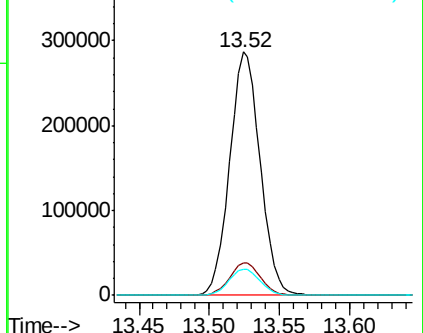
129 11.0 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.414 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV017455.D

Acq: 10 Jul 2020 21:08

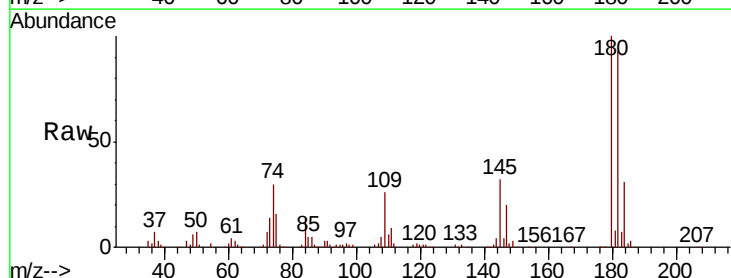
Tgt Ion:180 Resp: 153479

Ion Ratio Lower Upper

180 100

182 93.7 76.3 114.5

145 32.1 26.5 39.7



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

