

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100920\
 Data File : VV018779.D
 Acq On : 08 Oct 2020 22:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Quant Time: Oct 09 07:27:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Oct 08 23:51:03 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	310771	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	304907	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	168107	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	144285	51.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	102.20%
7) Chloroethane-d5	1.58	69	115125	50.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	101.30%
11) 1,1-Dichloroethene-d2	2.12	63	271803	49.93	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.86%
21) 2-Butanone-d5	3.90	46	198335	114.39	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	114.39%
24) Chloroform-d	4.38	84	247101	49.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.06	65	170234	50.41	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.82%
32) Benzene-d6	5.07	84	478074	48.72	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.44%
36) 1,2-Dichloropropane-d6	6.09	67	151843	47.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.92%
41) Toluene-d8	7.34	98	439783	50.49	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.98%
43) trans-1,3-Dichloropropene-	7.64	79	79060	50.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.10%
47) 2-Hexanone-d5	8.11	63	125162	111.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.61%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	190447	51.74	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	180614	48.55	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.10%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	98515	49.110	ug/L	99
3) Chloromethane	1.25	50	128321	48.758	ug/L	99
5) Vinyl chloride	1.32	62	132313	48.220	ug/L	99
6) Bromomethane	1.53	94	78295	48.418	ug/L	99
8) Chloroethane	1.59	64	88207	49.098	ug/L	98
9) Trichlorofluoromethane	1.76	101	194371	48.450	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	107347	48.056	ug/L	99
12) 1,1-Dichloroethene	2.13	96	102037	47.440	ug/L	98
13) Acetone	2.18	43	134450	93.040	ug/L	99
14) Carbon disulfide	2.31	76	311881	48.986	ug/L	99
15) Methyl Acetate	2.44	43	148607	52.641	ug/L	99
16) Methylene chloride	2.52	84	128077	48.372	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	115468	50.860	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	403285	52.974	ug/L	99
19) 1,1-Dichloroethane	3.21	63	238304	53.485	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	117665	49.040	ug/L	97
22) 2-Butanone	3.98	43	182254	107.635	ug/L	97

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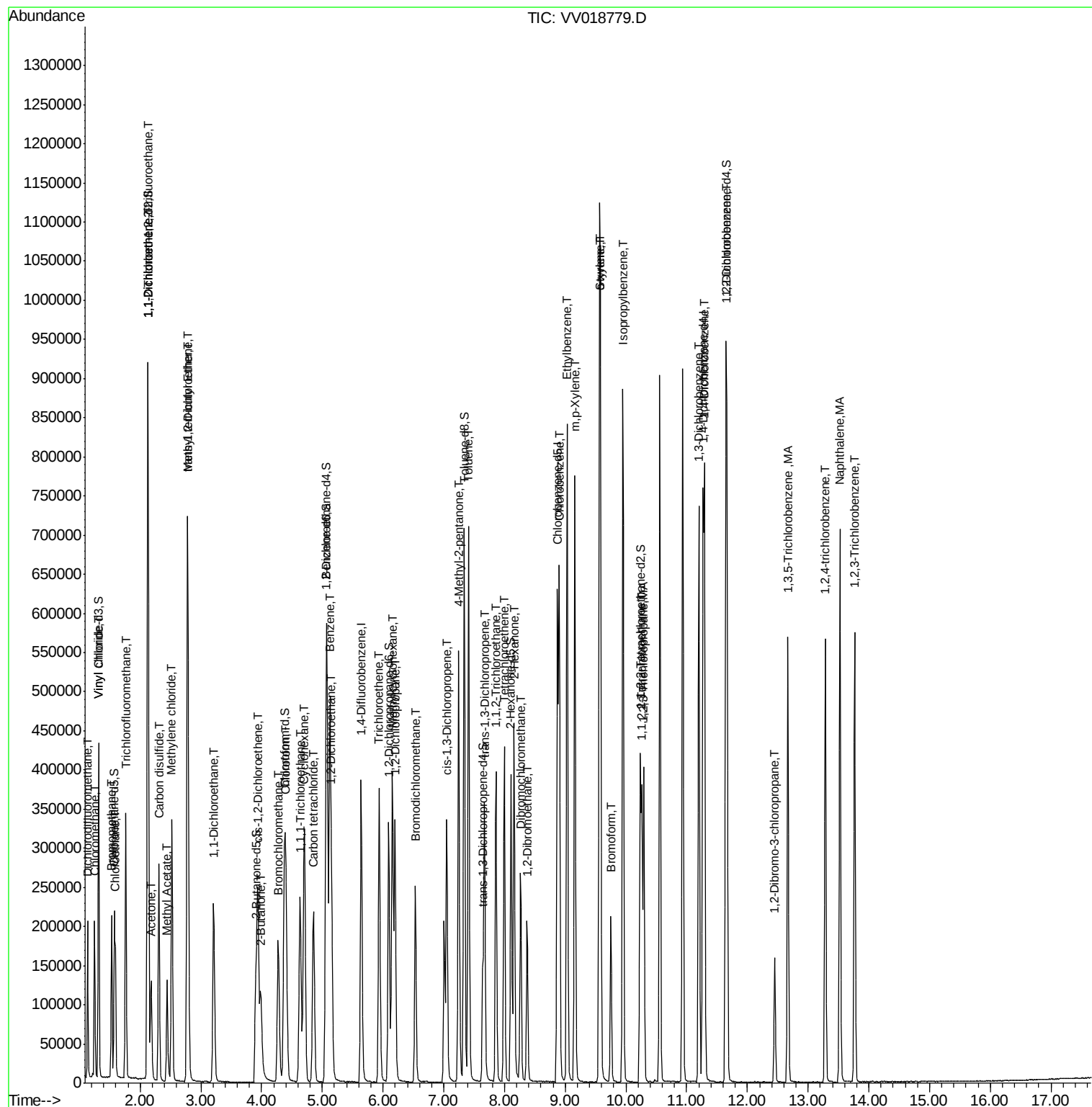
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	60502	48.637	ug/L	98
25) Chloroform	4.40	83	216733	47.397	ug/L	100
27) 1,2-Dichloroethane	5.15	62	180398	48.491	ug/L	99
29) Cyclohexane	4.70	56	178629	48.376	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	189399	46.607	ug/L	99
31) Carbon tetrachloride	4.86	117	163895	47.851	ug/L	99
33) Benzene	5.13	78	453620	46.894	ug/L	100
34) Trichloroethene	5.94	95	125419	45.049	ug/L	99
35) Methylcyclohexane	6.15	83	155686	45.701	ug/L	99
37) 1,2-Dichloropropane	6.20	63	123880	46.621	ug/L	99
38) Bromodichloromethane	6.53	83	161586	47.883	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	193671	51.593	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	361647	104.730	ug/L	100
42) Toluene	7.41	91	489817	49.298	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	192225	49.972	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	114849	48.124	ug/L	97
46) Tetrachloroethene	8.00	164	94640	46.383	ug/L	98
48) 2-Hexanone	8.16	43	293517	107.675	ug/L	99
49) Dibromochloromethane	8.27	129	128640	49.316	ug/L	100
50) 1,2-Dibromoethane	8.37	107	129518	53.063	ug/L	99
51) Chlorobenzene	8.90	112	319600	48.464	ug/L	99
52) Ethylbenzene	9.03	91	551725	48.898	ug/L	99
53) m,p-Xylene	9.16	106	204591	49.398	ug/L	98
54) o-xylene	9.56	106	199374	50.684	ug/L	99
55) Styrene	9.58	104	351762	50.523	ug/L	99
56) Isopropylbenzene	9.95	105	532621	48.935	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	168949	50.751	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	154577	48.890	ug/L	99
61) Bromoform	9.75	173	91617	49.119	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	277628	50.656	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	276853	48.561	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	257006	46.709	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	38460	50.673	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	167908	47.299	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	163052	48.846	ug/L	99
69) Naphthalene	13.52	128	509177	54.137	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	165395	49.913	ug/L	99

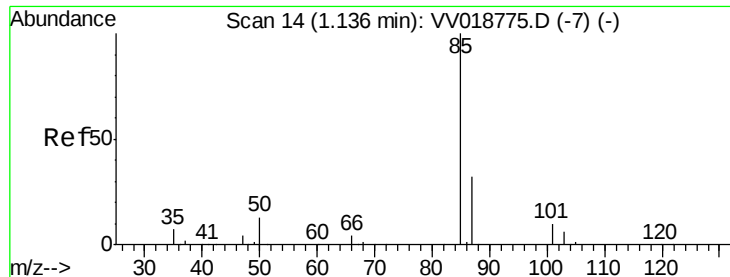
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.110 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

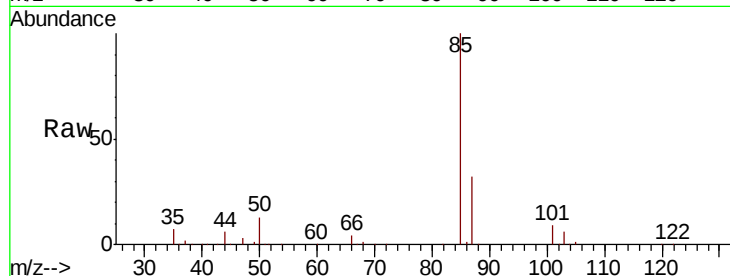
VSTD05080

Tot Ion: 85 Resp: 98515

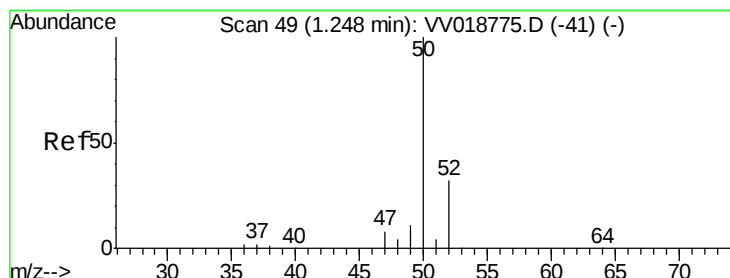
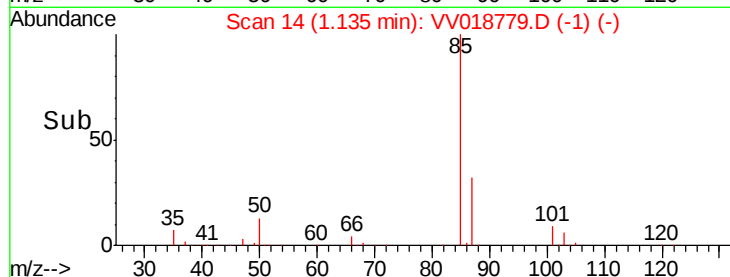
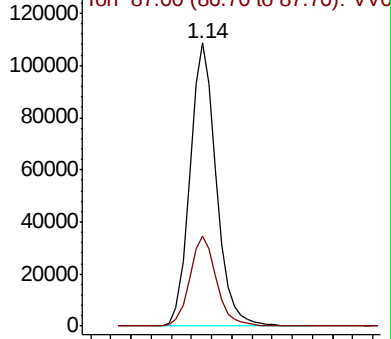
Ion Ratio Lower Upper

85 100

87 32.2 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018779.D (-1) (-)



#3

Chloromethane

Concen: 48.758 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018779.D

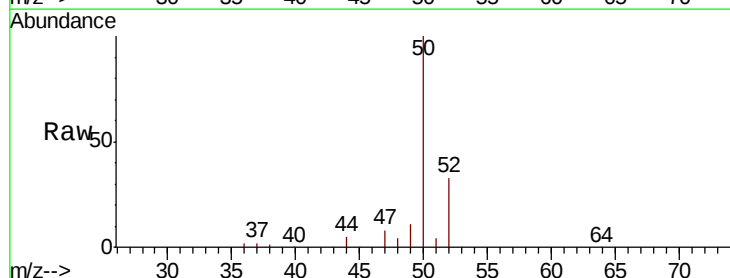
Acq: 08 Oct 2020 22:39

Tgt Ion: 50 Resp: 128321

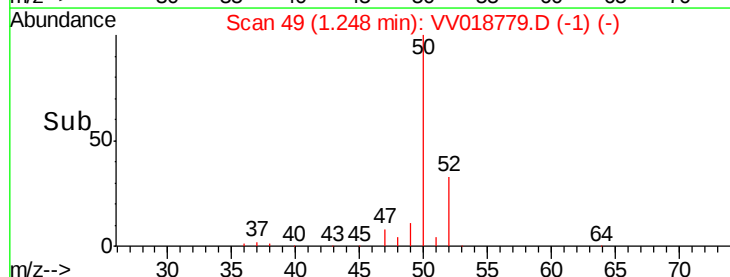
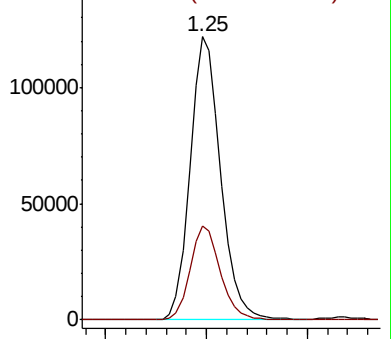
Ion Ratio Lower Upper

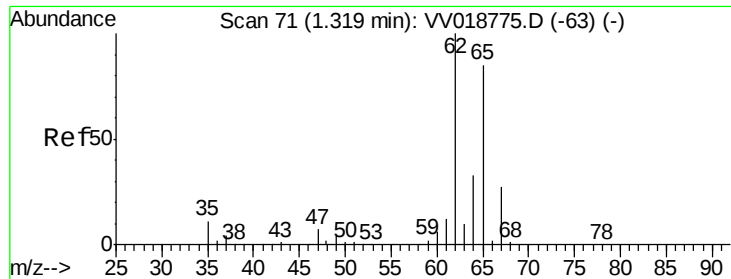
50 100

52 33.2 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018779.D (-1) (-)





#5

Vinyl chloride

Concen: 48.220 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

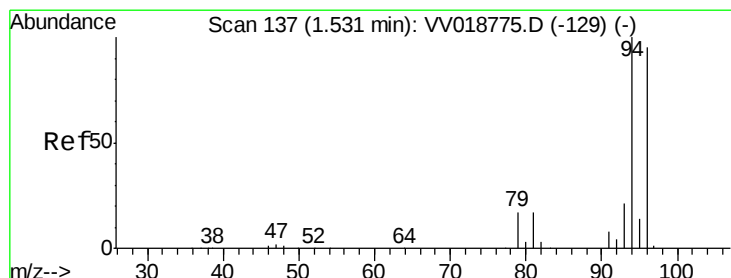
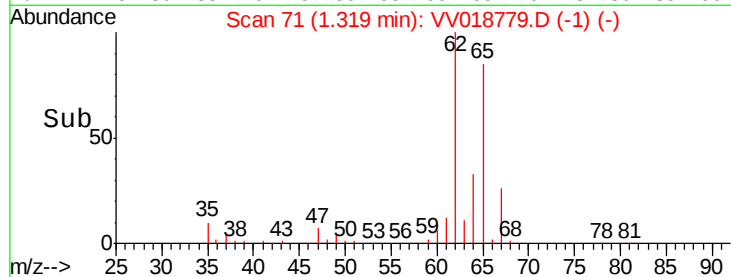
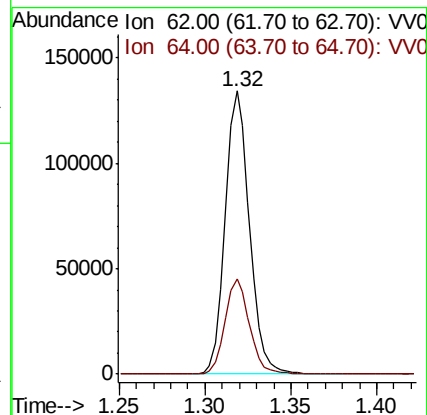
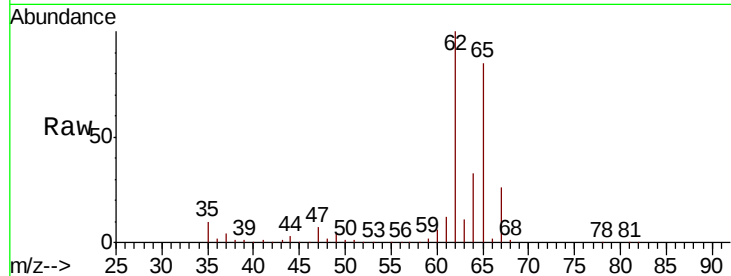
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 62 Resp: 132313

Ion Ratio Lower Upper

62 100

64 33.5 23.2 43.0



#6

Bromomethane

Concen: 48.418 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018779.D

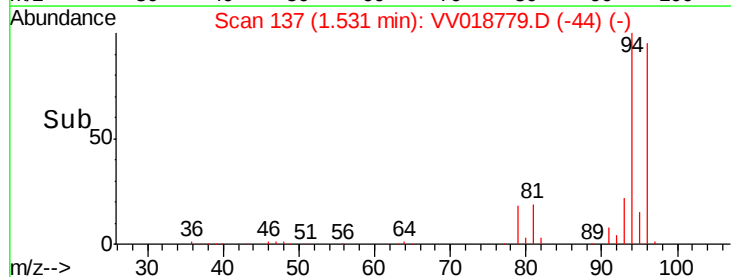
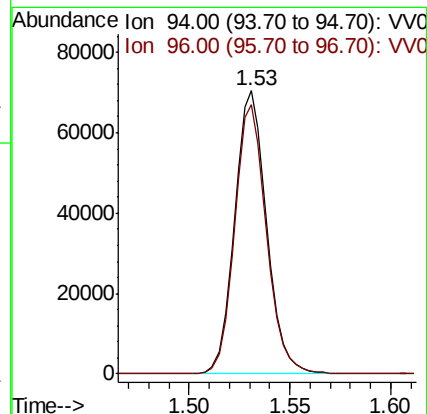
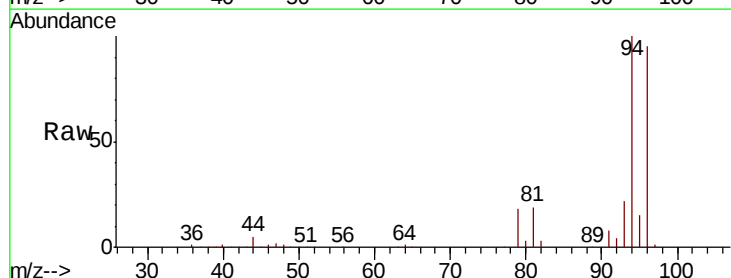
Acq: 08 Oct 2020 22:39

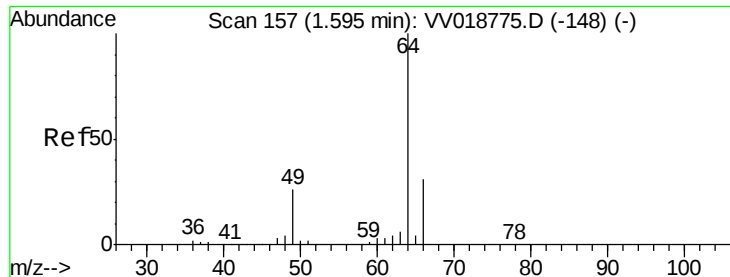
Tgt Ion: 94 Resp: 78295

Ion Ratio Lower Upper

94 100

96 95.4 66.2 123.0





#8

Chloroethane

Concen: 49.098 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

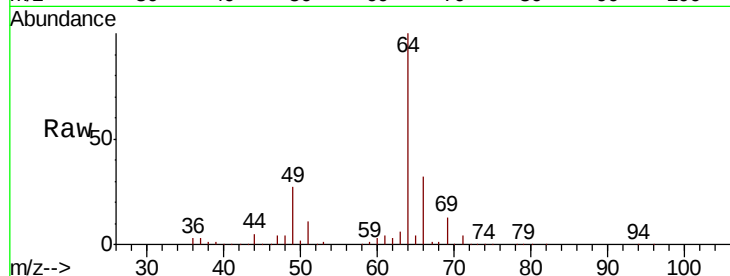
VSTD05080

Tot Ion: 64 Resp: 88207

Ion Ratio Lower Upper

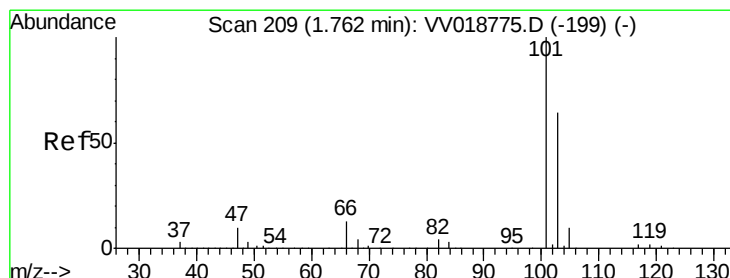
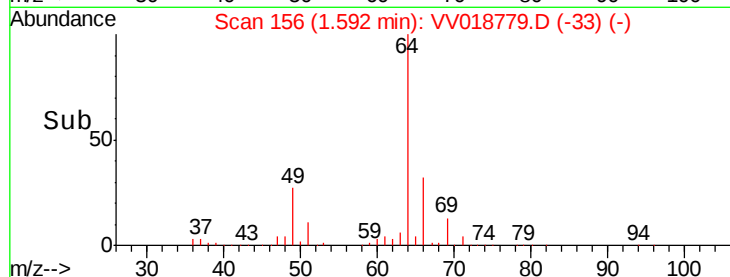
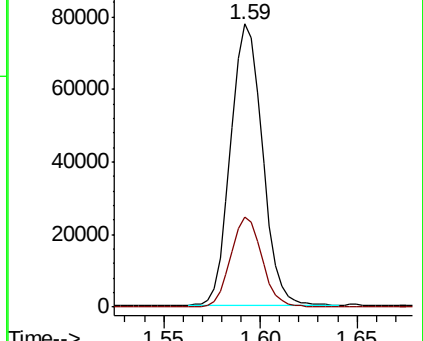
64 100

66 31.9 21.7 40.3



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

Ion 66.00 (65.70 to 66.70): VV018779.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 48.450 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018779.D

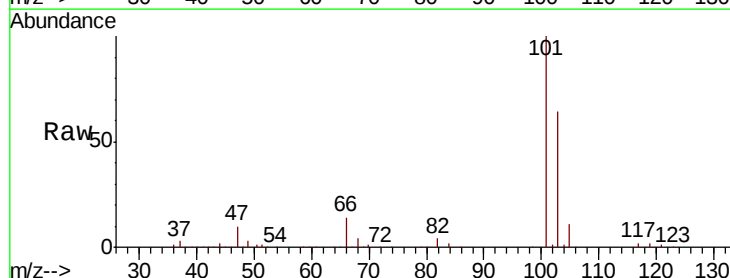
Acq: 08 Oct 2020 22:39

Tgt Ion: 101 Resp: 194371

Ion Ratio Lower Upper

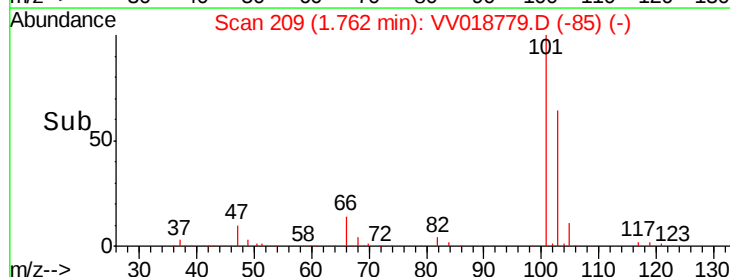
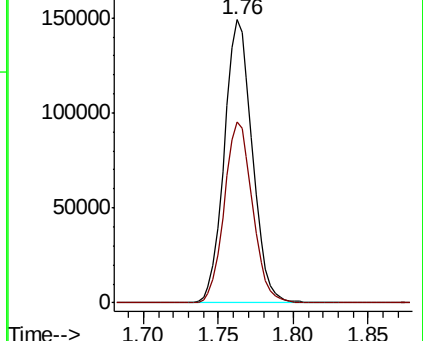
101 100

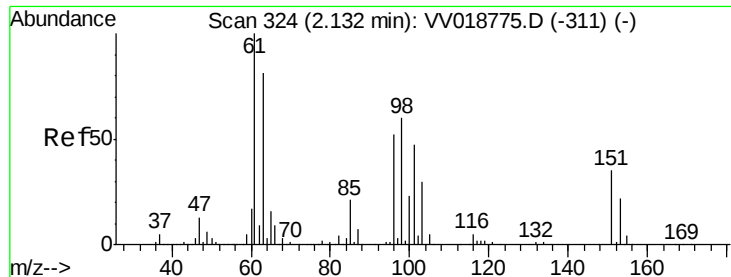
103 64.4 51.6 77.4



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

Ion 103.00 (102.70 to 103.70): VV018779.D (-85) (-)





#10

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

Concen: 48.056 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

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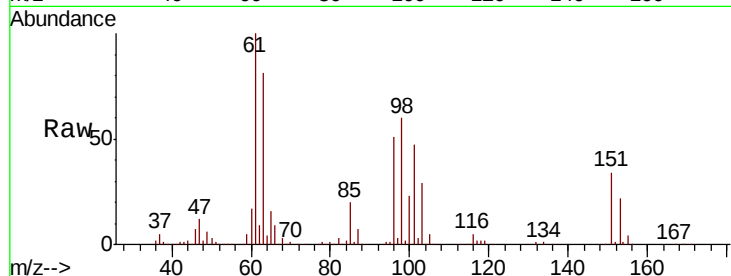
Tot Ion:101 Resp: 107347

Ion Ratio Lower Upper

101 100

85 44.8 35.9 53.9

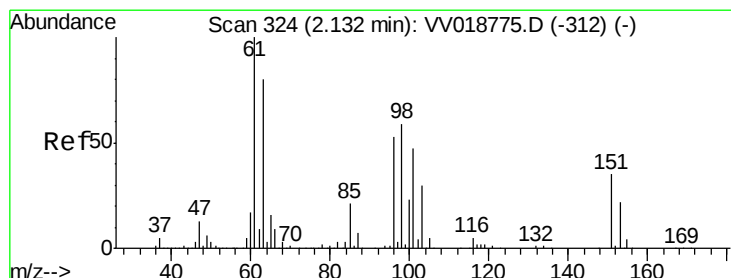
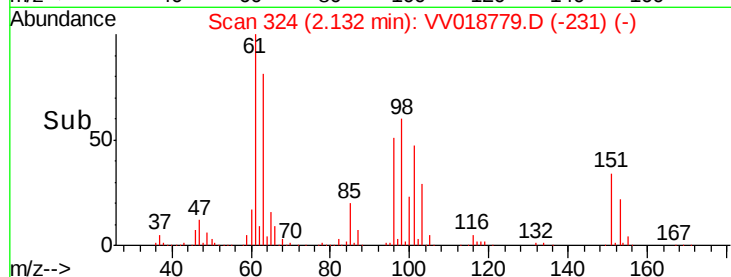
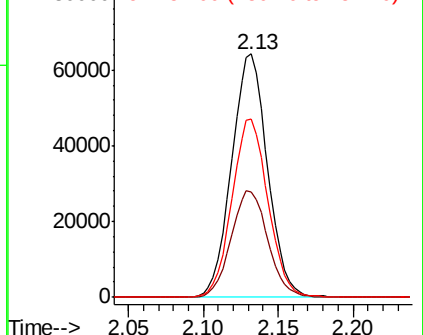
151 73.6 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018779.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018779.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018779.D (-231) (-)



#12

1,1-Dichloroethene

Concen: 47.440 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

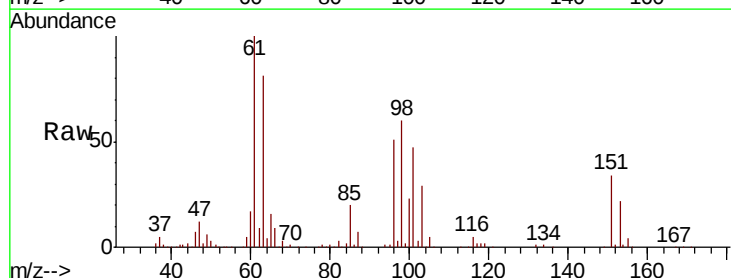
Tgt Ion: 96 Resp: 102037

Ion Ratio Lower Upper

96 100

61 194.9 133.6 248.0

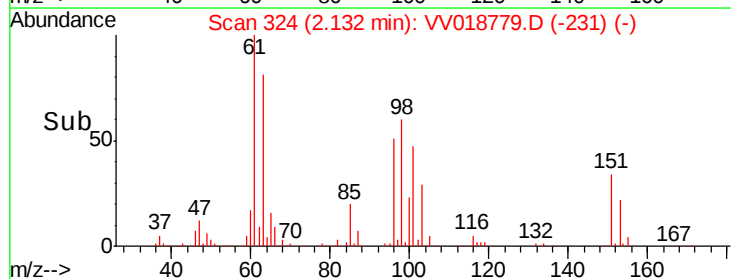
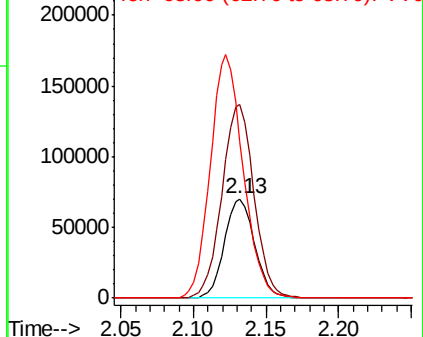
63 156.9 108.4 201.4

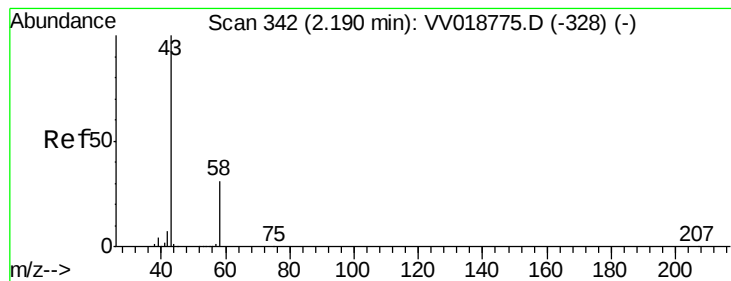


Abundance Ion 96.00 (95.70 to 96.70): VV018779.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018779.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018779.D (-231) (-)





#13

Acetone

Concen: 93.040 ug/L

RT: 2.18 min Scan# 339

Delta R.T. -0.01 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

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MSVOA_V

ClientSampleId :

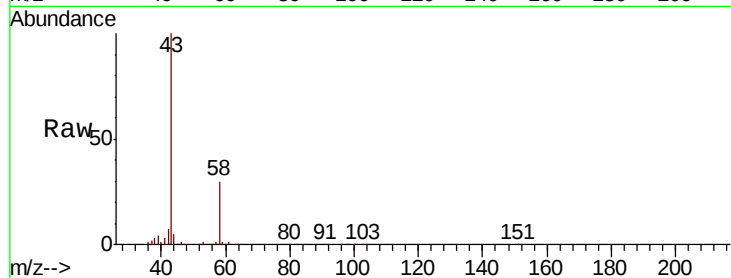
VSTD05080

Tot Ion: 43 Resp: 134450

Ion Ratio Lower Upper

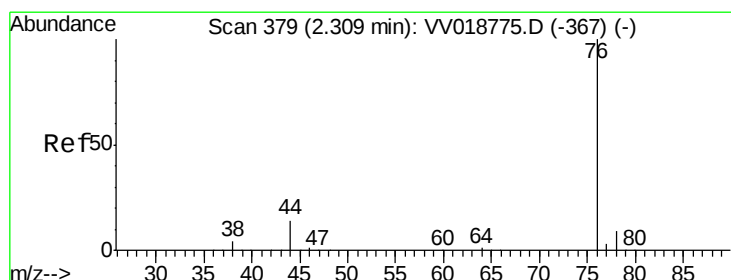
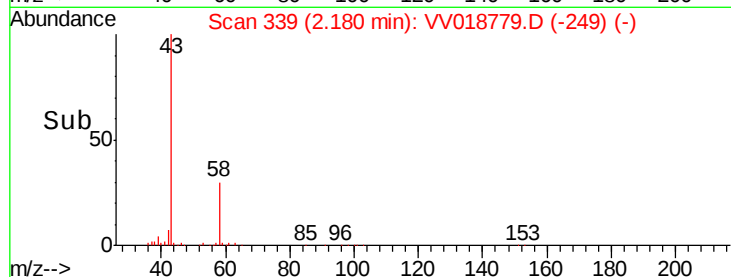
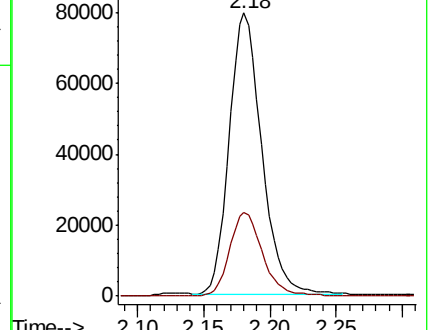
43 100

58 29.7 0.0 61.0



Abundance Ion 43.00 (42.70 to 43.70): VV018775.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV018775.D (-328) (-)



#14

Carbon disulfide

Concen: 48.986 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018779.D

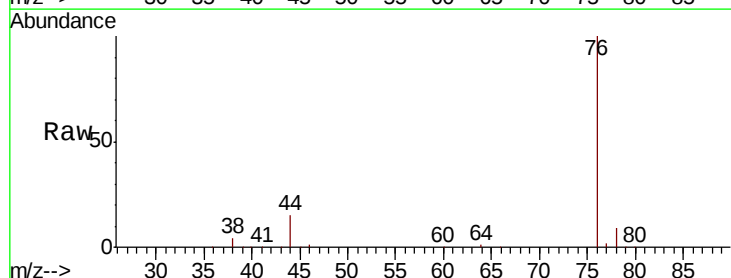
Acq: 08 Oct 2020 22:39

Tgt Ion: 76 Resp: 311881

Ion Ratio Lower Upper

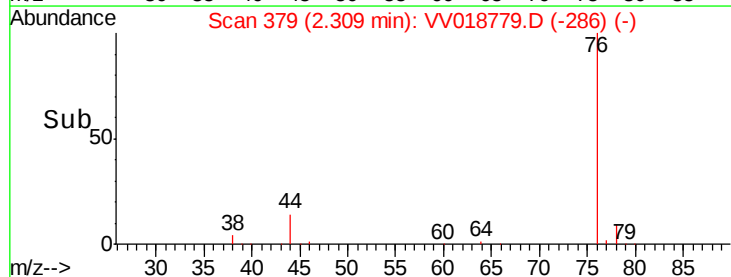
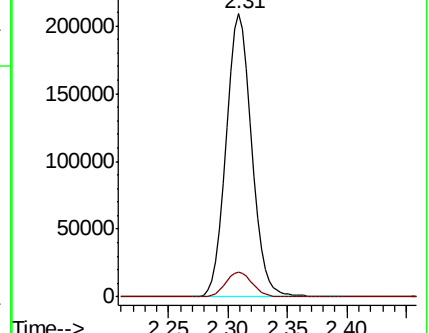
76 100

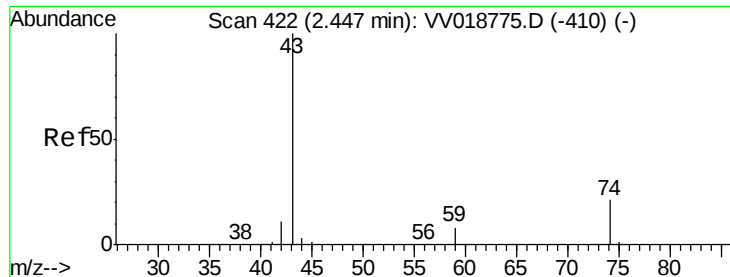
78 8.9 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV018775.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018775.D (-367) (-)

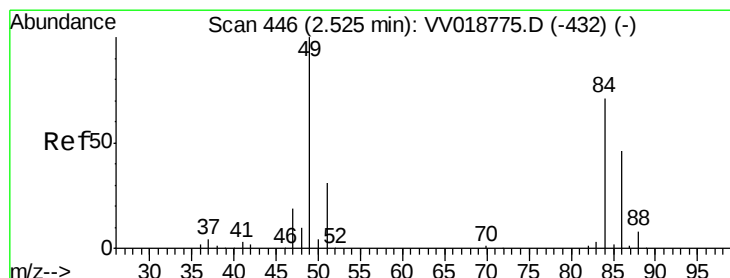
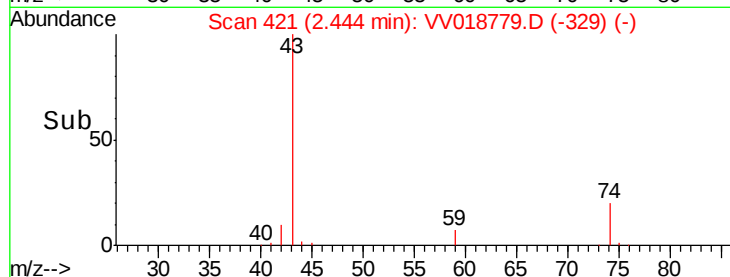
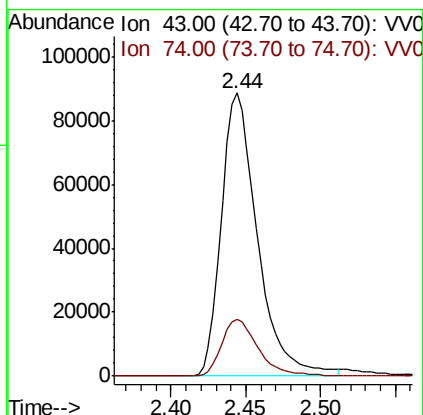
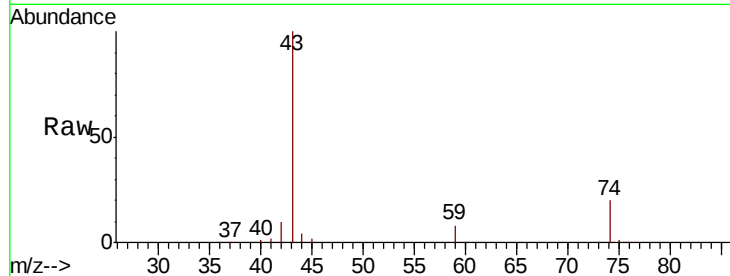




#15
Methvl Acetate
Concen: 52.641 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

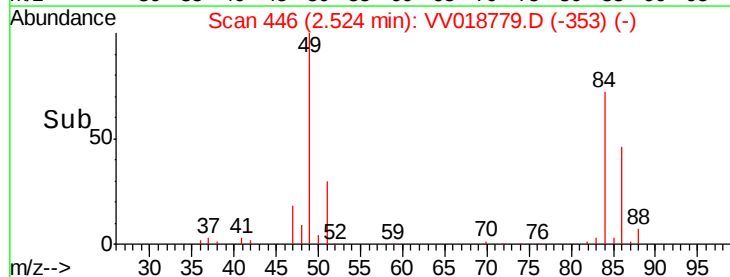
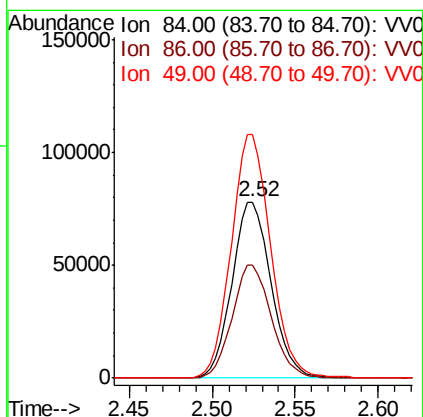
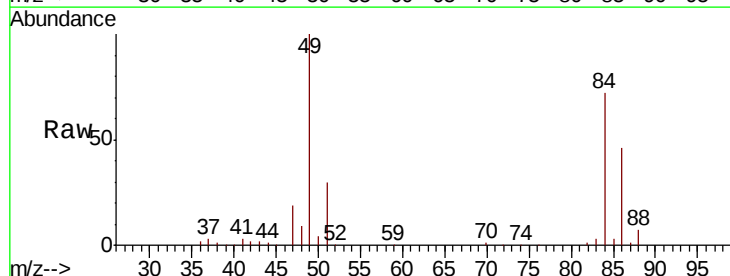
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

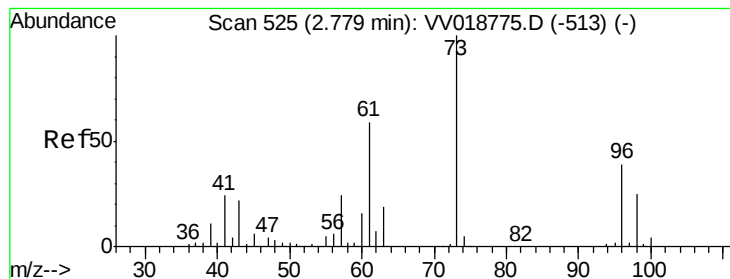
Tot Ion: 43 Resp: 148607
Ion Ratio Lower Upper
43 100
74 20.5 16.9 25.3



#16
Methylene chloride
Concen: 48.372 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Tgt Ion: 84 Resp: 128077
Ion Ratio Lower Upper
84 100
86 64.1 45.2 84.0
49 138.2 97.9 181.9





#17

trans-1,2-Dichloroethene

Concen: 50.860 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

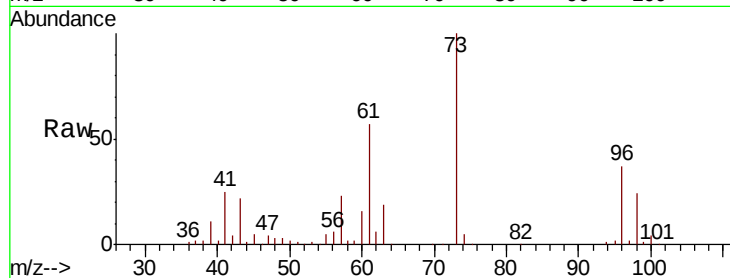
Tot Ion: 96 Resp: 115468

Ion Ratio Lower Upper

96 100

61 154.0 105.7 196.3

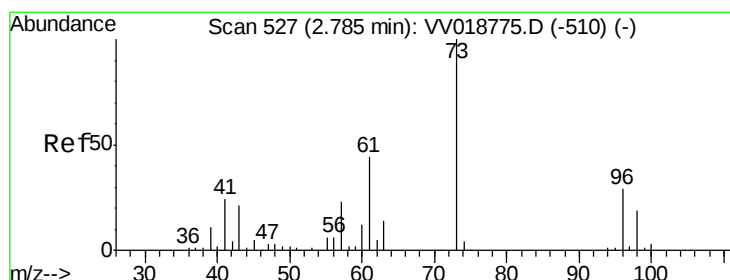
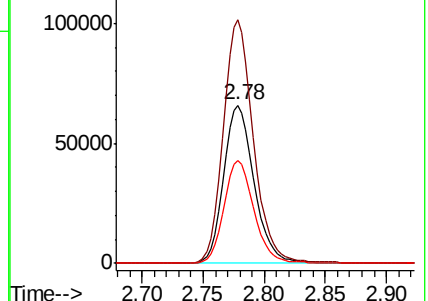
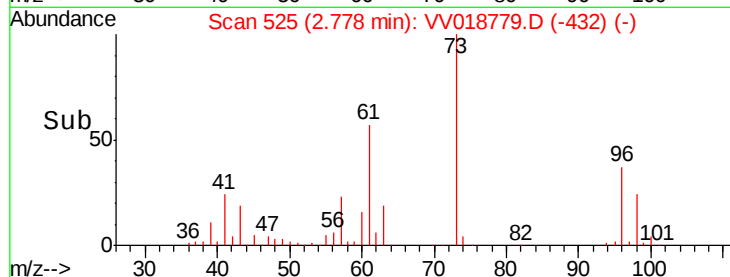
98 64.8 44.7 83.1



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: 52.974 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

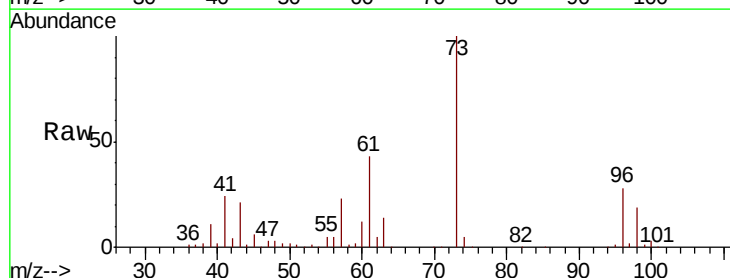
Tgt Ion: 73 Resp: 403285

Ion Ratio Lower Upper

73 100

43 20.9 17.3 25.9

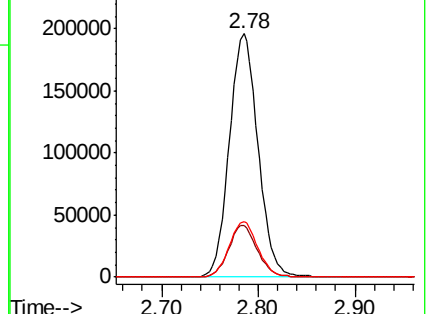
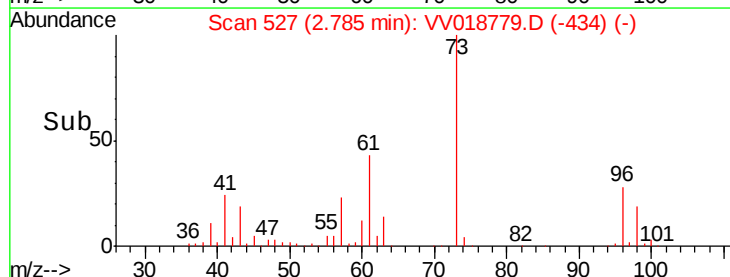
57 22.8 18.5 27.7

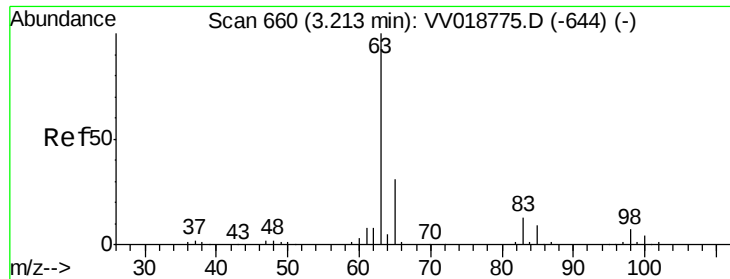


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

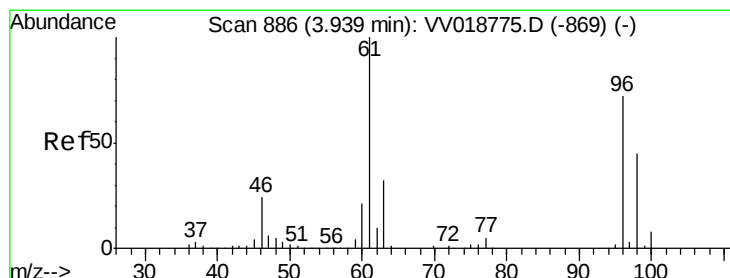
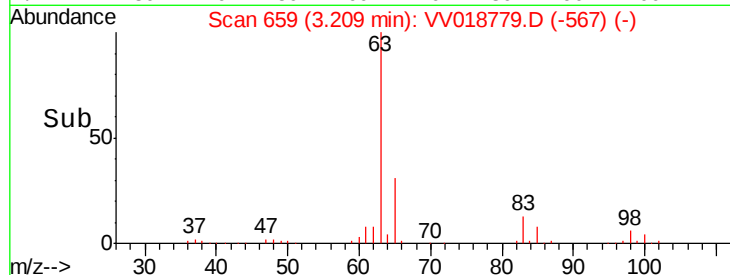
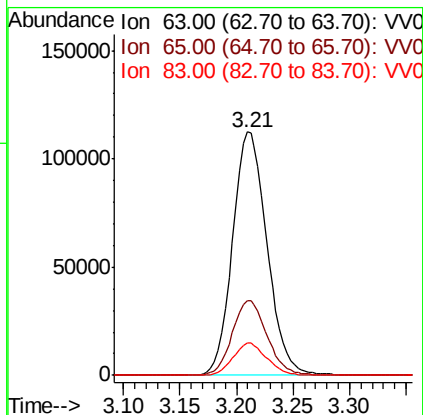
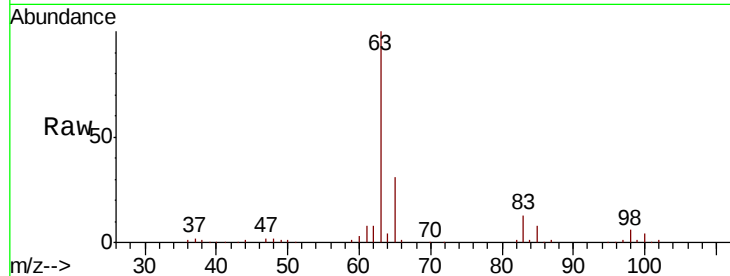




#19
 1,1-Dichloroethane
 Concen: 53.485 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

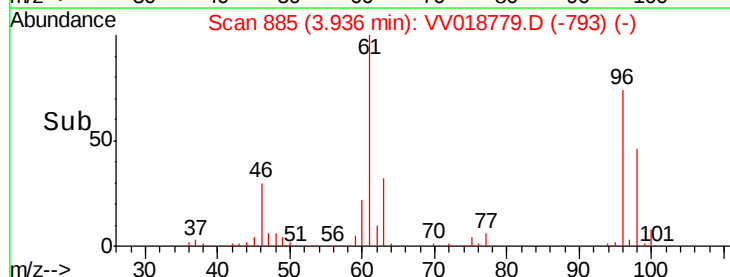
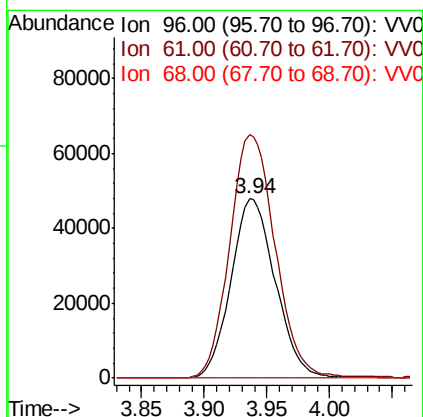
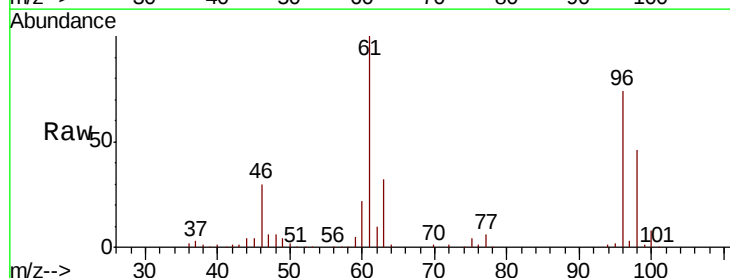
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

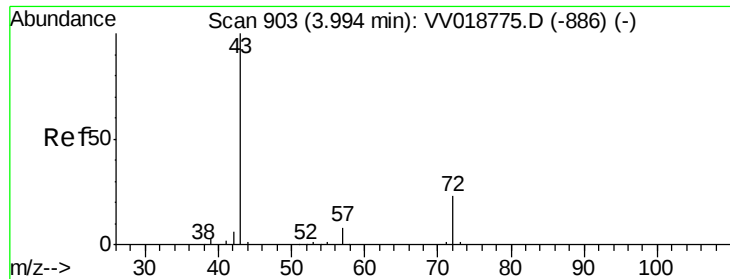
Tot Ion: 63 Resp: 238304
 Ion Ratio Lower Upper
 63 100
 65 30.8 22.0 40.8
 83 13.1 9.2 17.0



#20
 cis-1,2-Dichloroethene
 Concen: 49.040 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

Tgt Ion: 96 Resp: 117665
 Ion Ratio Lower Upper
 96 100
 61 135.9 97.3 180.7
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 107.635 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.01 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

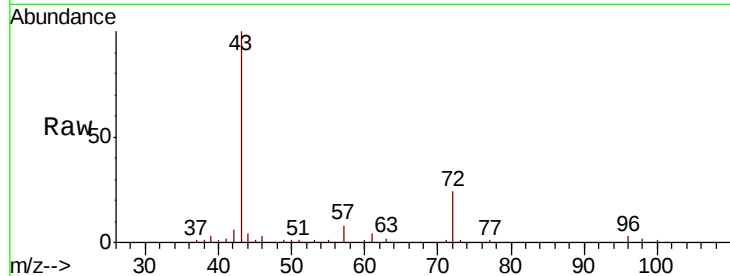
VSTD05080

Tot Ion: 43 Resp: 182254

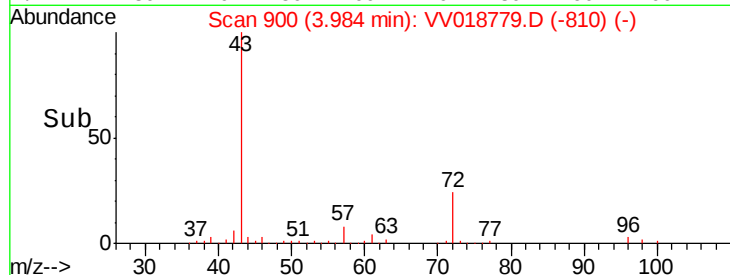
Ion Ratio Lower Upper

43 100

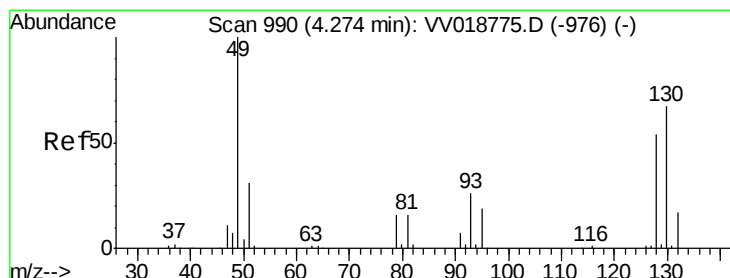
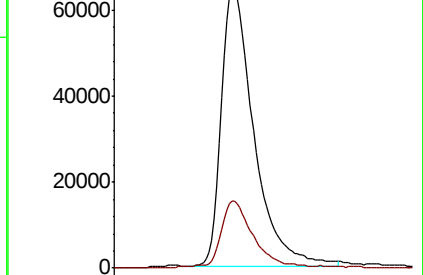
72 22.2 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018779.D (-810) (-)



Ion 72.00 (71.70 to 72.70): VV018779.D (-810) (-)



#23

Bromochloromethane

Concen: 48.637 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Tgt Ion:128 Resp: 60502

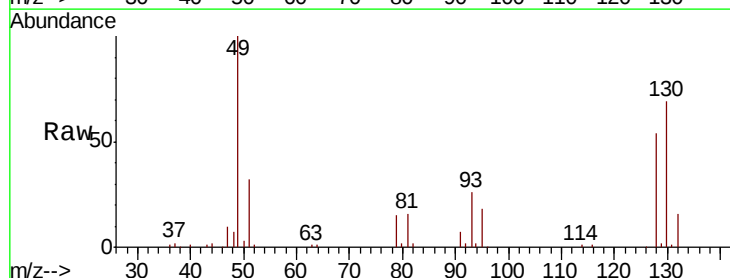
Ion Ratio Lower Upper

128 100

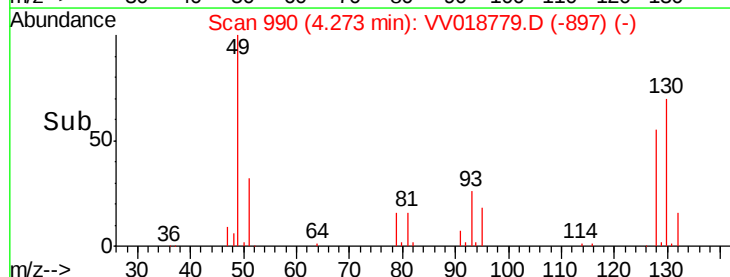
49 183.9 129.7 240.9

130 127.1 86.7 161.1

51 58.8 45.9 68.9



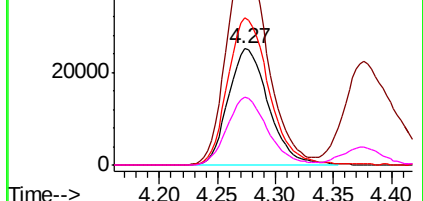
Abundance Ion 128.00 (127.70 to 128.70): VV018779.D (-897) (-)

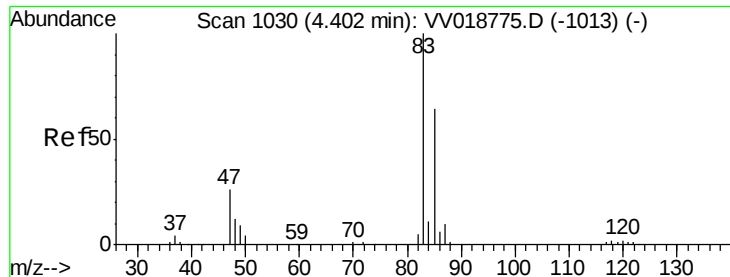


Ion 49.00 (48.70 to 49.70): VV018779.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018779.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018779.D (-897) (-)

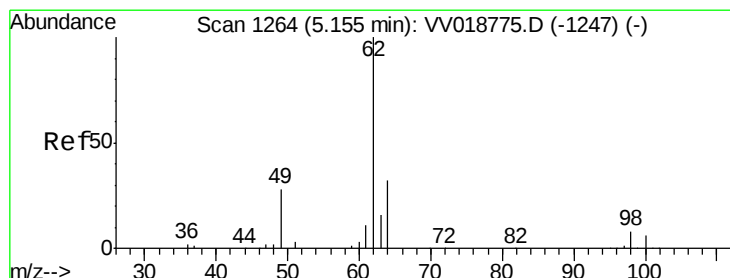
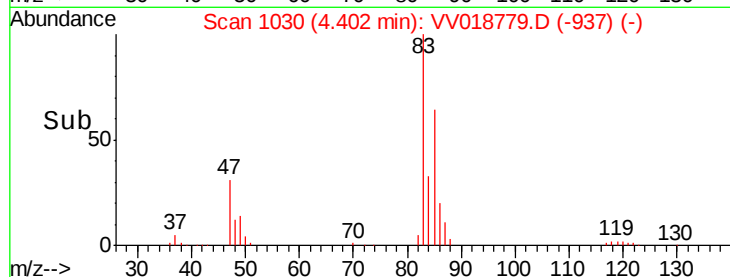
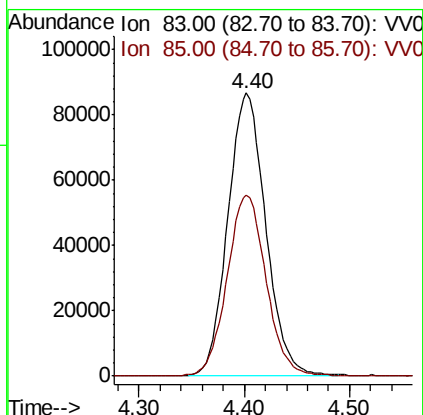
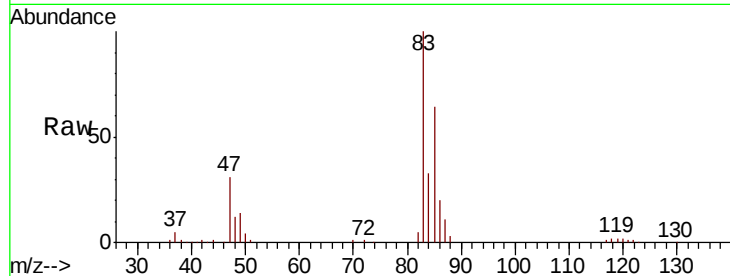




#25
Chloroform
Concen: 47.397 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

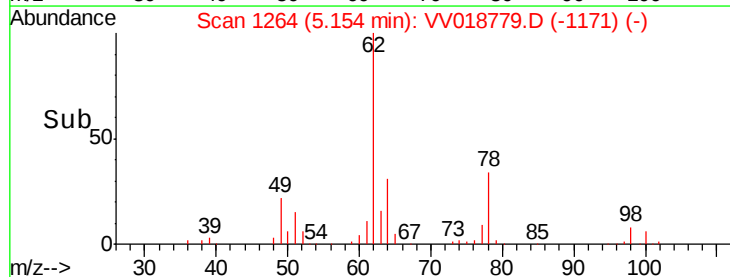
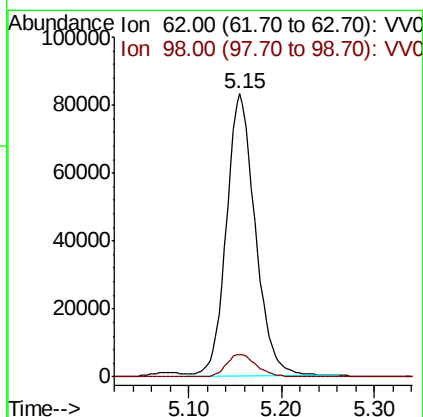
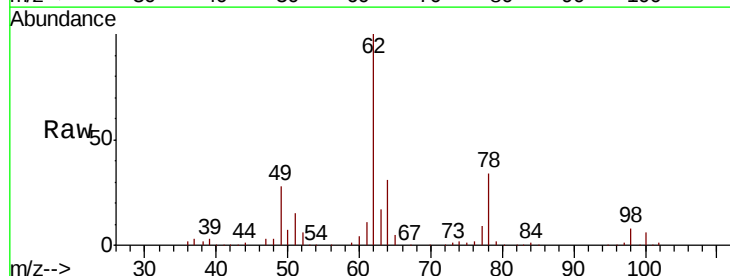
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

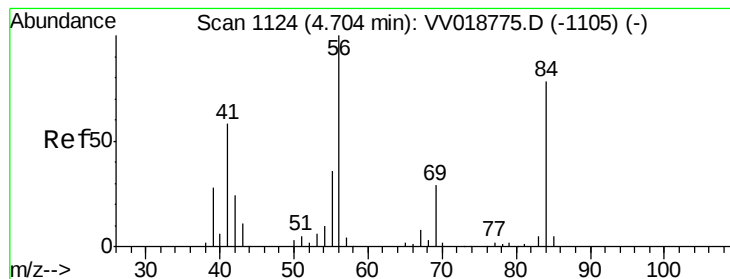
Tot Ion: 83 Resp: 216733
Ion Ratio Lower Upper
83 100
85 64.1 45.0 83.6



#27
1,2-Dichloroethane
Concen: 48.491 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Tgt Ion: 62 Resp: 180398
Ion Ratio Lower Upper
62 100
98 8.0 6.6 10.0





#29

Cyclohexane

Concen: 48.376 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

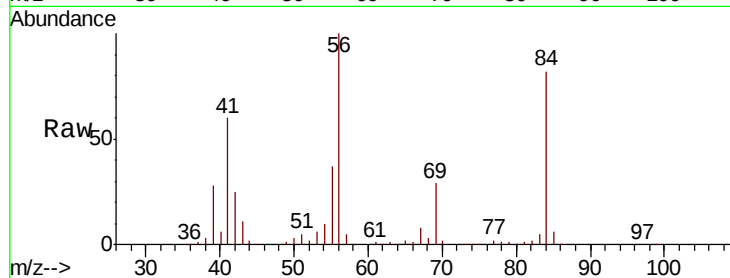
Tot Ion: 56 Resp: 178629

Ion Ratio Lower Upper

56 100

69 29.4 23.1 34.7

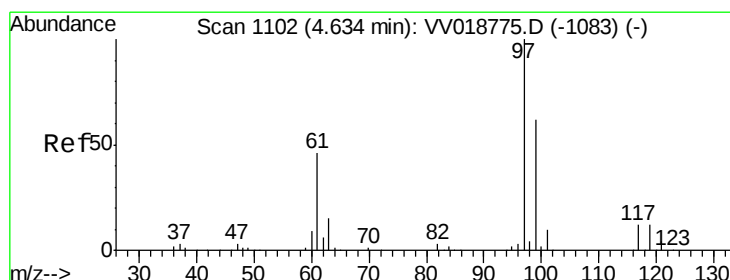
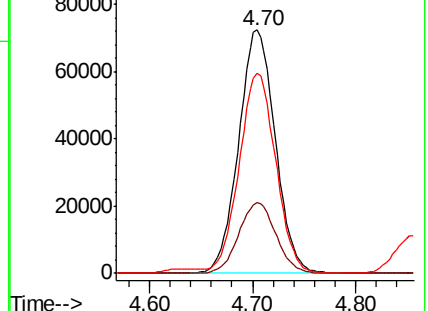
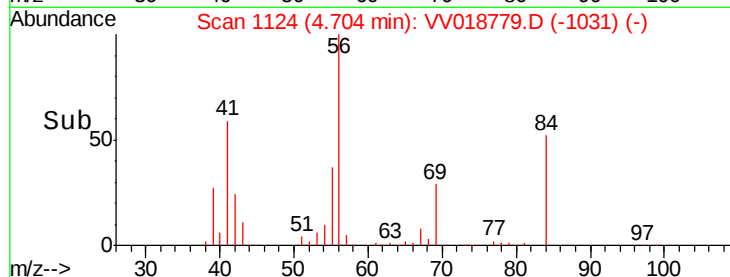
84 81.5 65.2 97.8



Abundance Ion 56.00 (55.70 to 56.70): VV018779.D (-1031) (-)

Ion 69.00 (68.70 to 69.70): VV018779.D (-1031) (-)

Ion 84.00 (83.70 to 84.70): VV018779.D (-1031) (-)



#30

1,1,1-Trichloroethane

Concen: 46.607 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

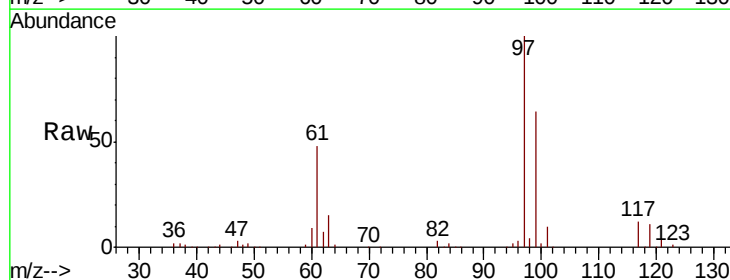
Tgt Ion: 97 Resp: 189399

Ion Ratio Lower Upper

97 100

99 64.0 51.0 76.4

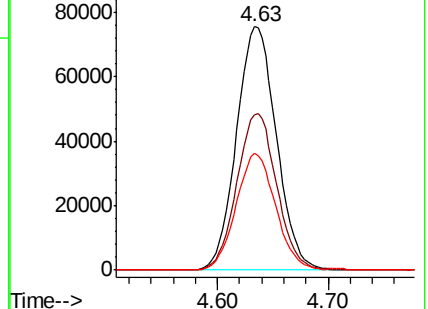
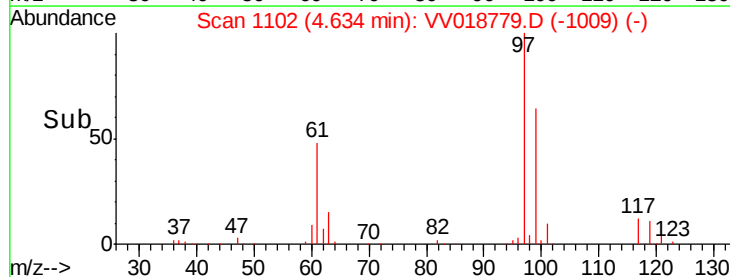
61 47.4 37.0 55.4

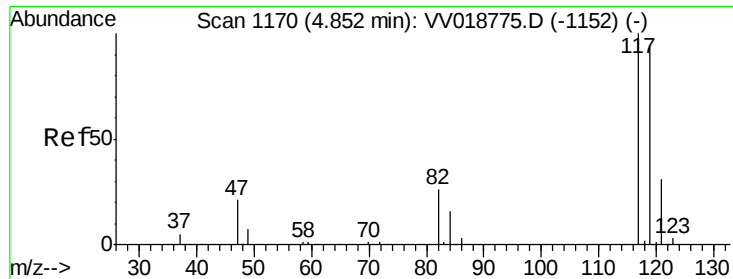


Abundance Ion 97.00 (96.70 to 97.70): VV018779.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV018779.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV018779.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 47.851 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

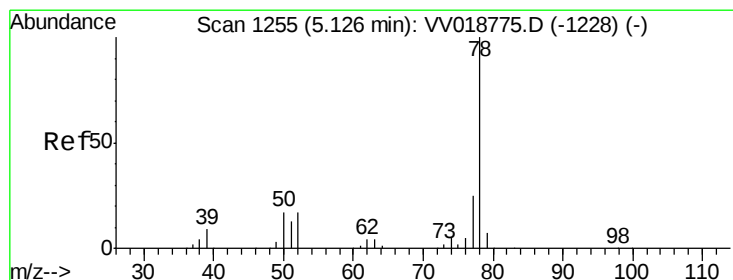
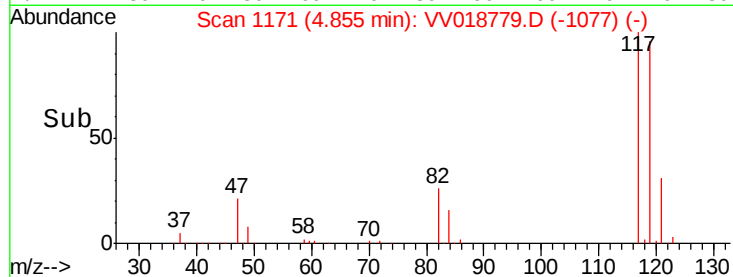
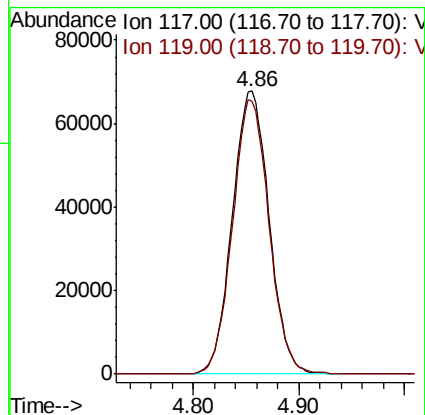
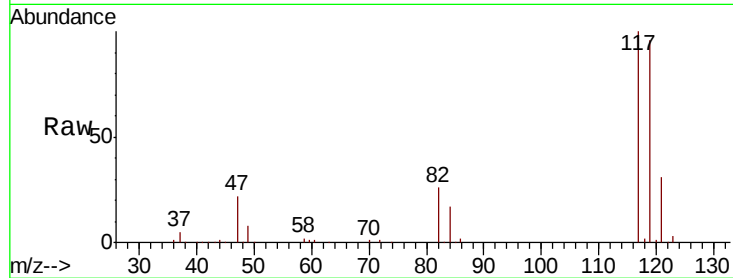
VSTD05080

Tot Ion:117 Resp: 163895

Ion Ratio Lower Upper

117 100

119 96.0 76.3 114.5



#33

Benzene

Concen: 46.894 ug/L

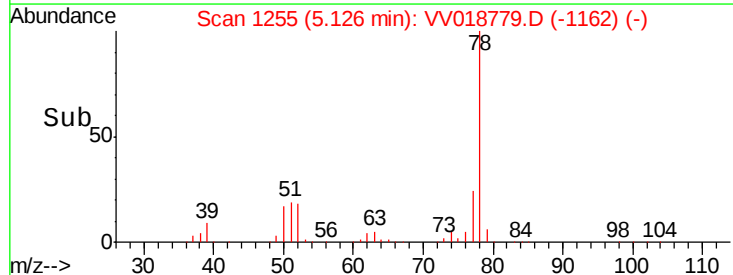
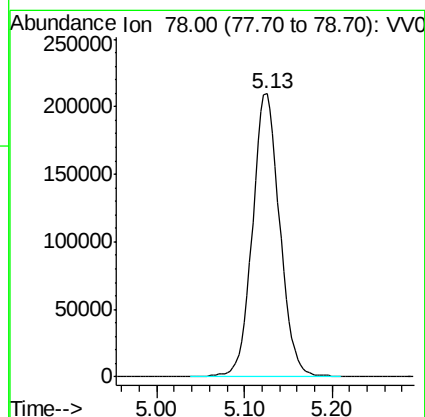
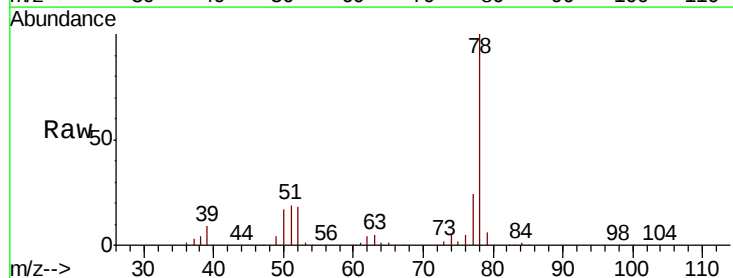
RT: 5.13 min Scan# 1255

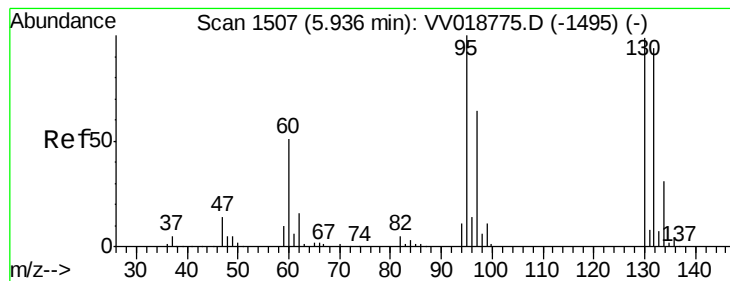
Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Tgt Ion: 78 Resp: 453620





#34

Trichloroethene

Concen: 45.049 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tot Ion: 95 Resp: 125419

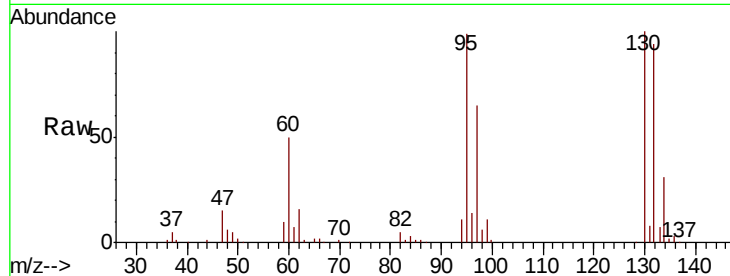
Ion Ratio Lower Upper

95 100

97 65.7 45.1 83.9

132 95.0 66.2 123.0

130 100.9 69.1 128.3



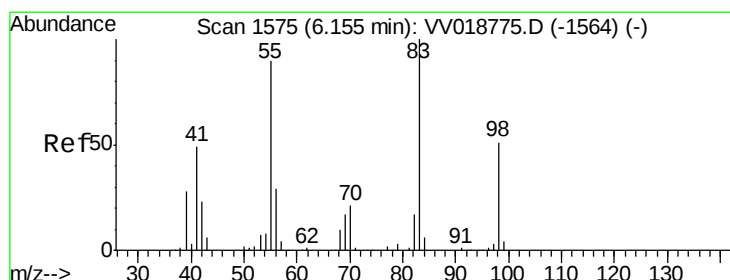
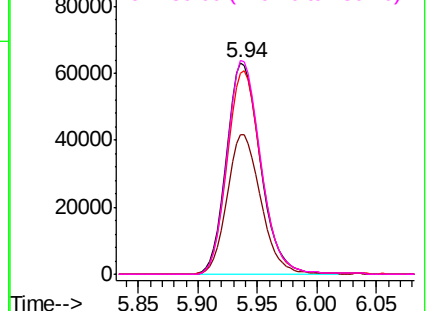
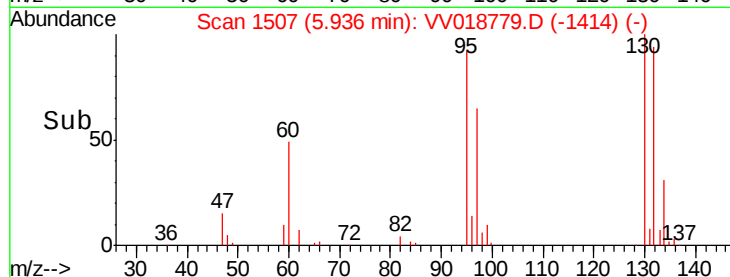
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35

Methylcyclohexane

Concen: 45.701 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

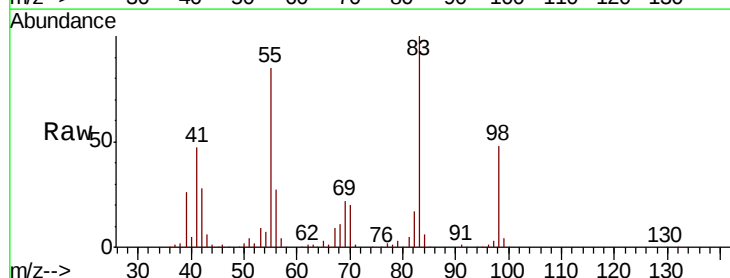
Tgt Ion: 83 Resp: 155686

Ion Ratio Lower Upper

83 100

55 84.6 67.0 100.4

98 47.9 38.8 58.2

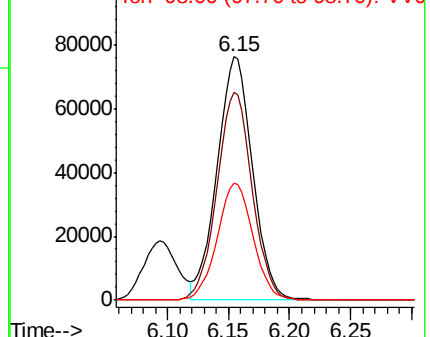
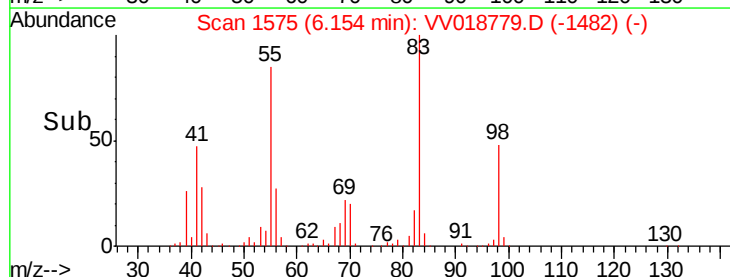


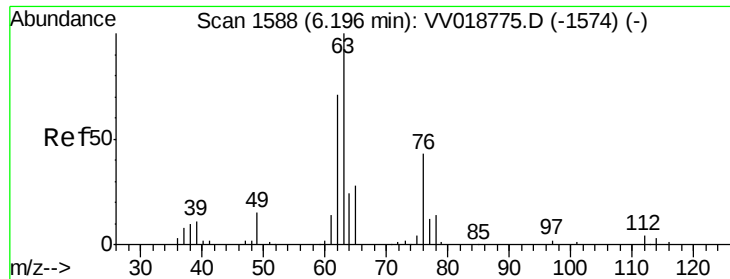
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

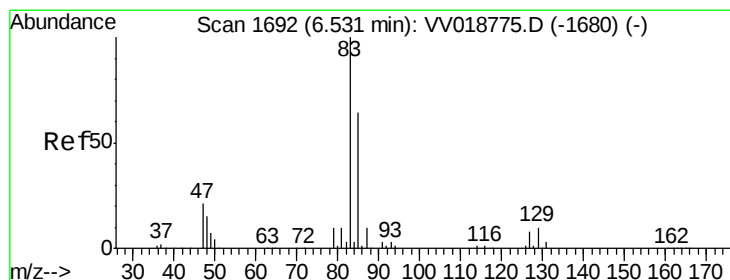
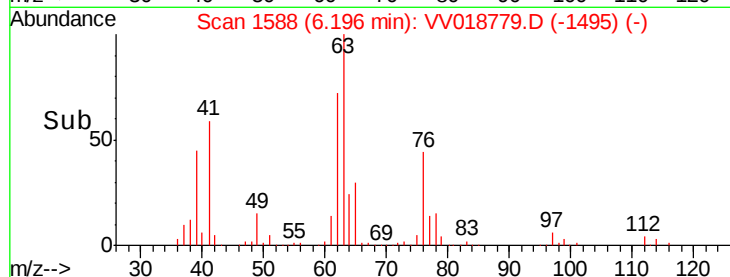
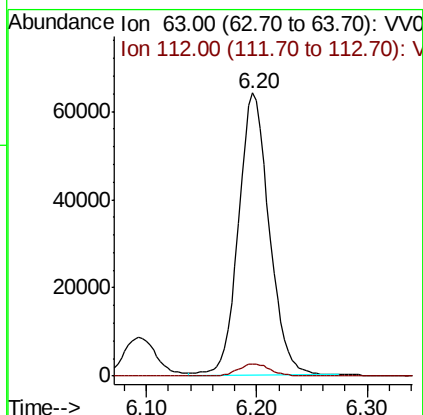
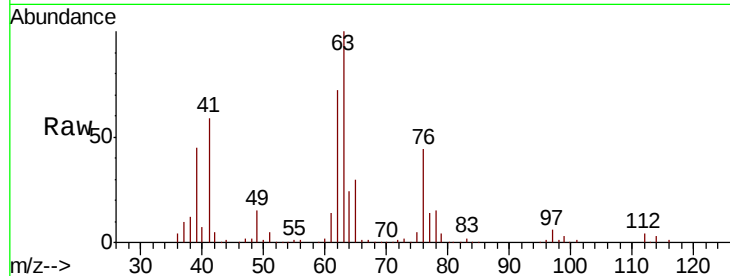




#37
 1,2-Dichloropropane
 Concen: 46.621 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

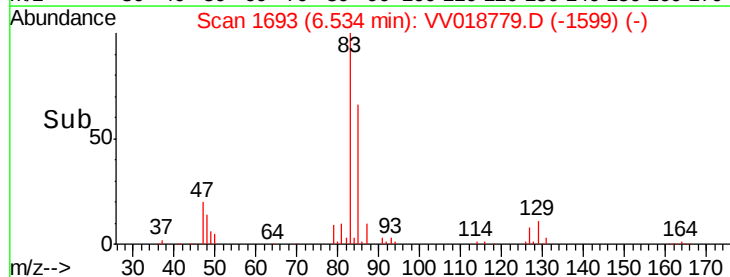
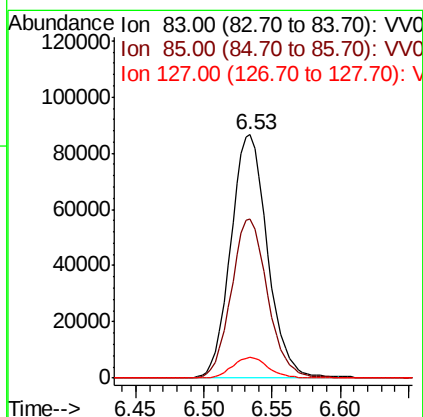
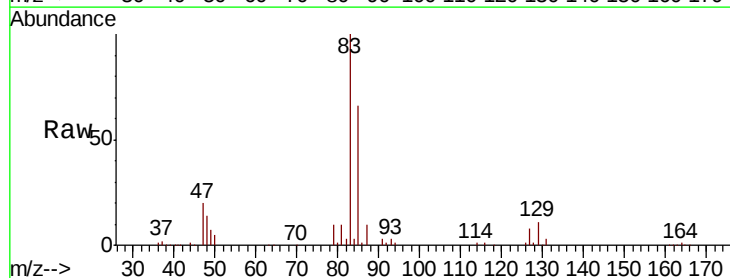
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

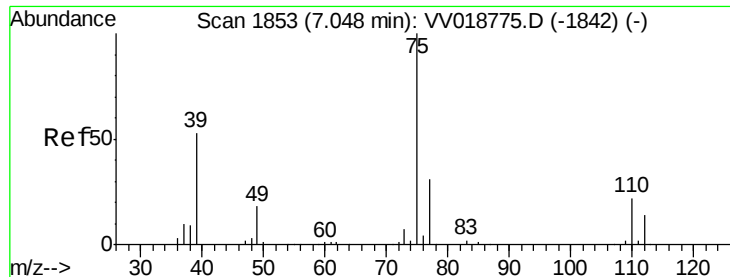
Tot Ion: 63 Resp: 123880
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 47.883 ug/L
 RT: 6.53 min Scan# 1693
 Delta R.T. 0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

Tgt Ion: 83 Resp: 161586
 Ion Ratio Lower Upper
 83 100
 85 65.6 45.1 83.7
 127 8.4 6.6 10.0

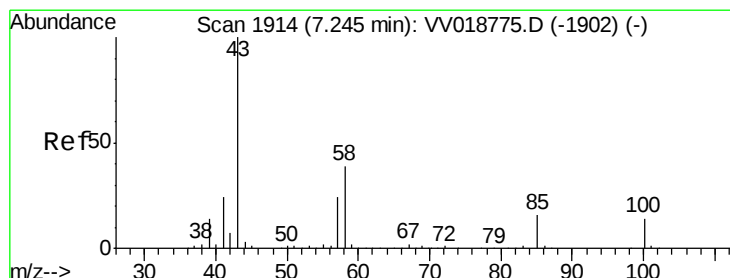
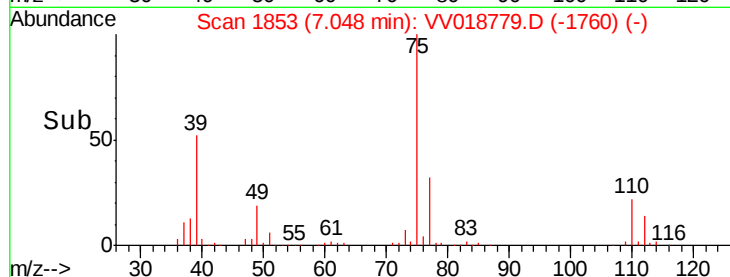
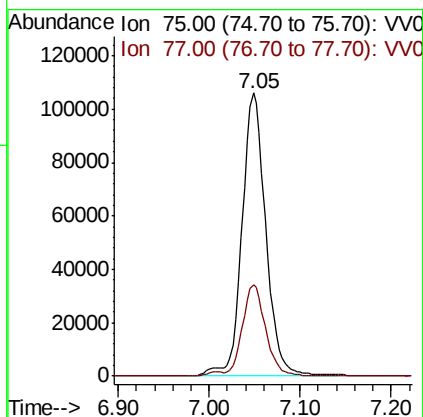
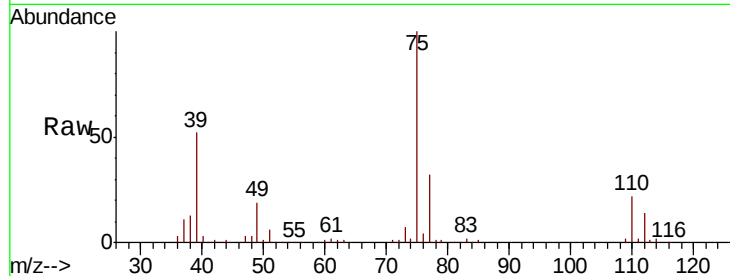




#39
 cis-1,3-Dichloropropene
 Concen: 51.593 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

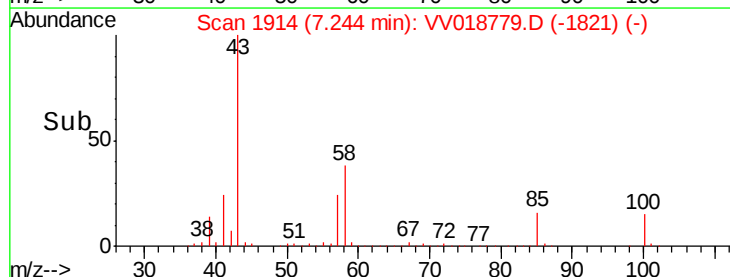
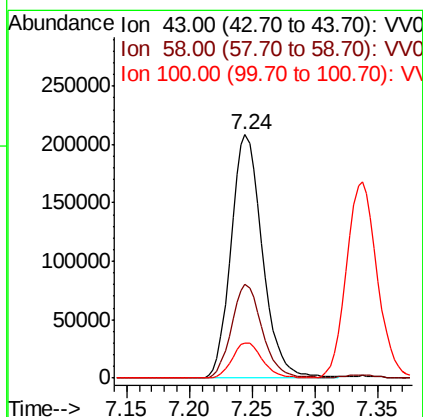
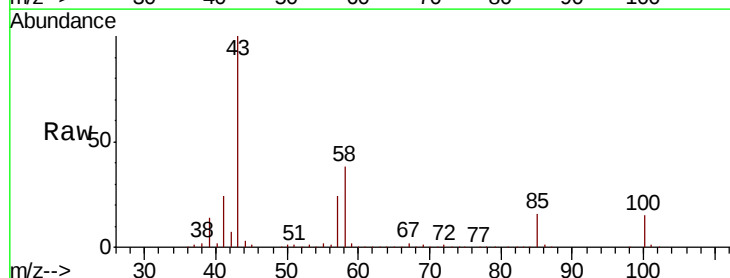
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

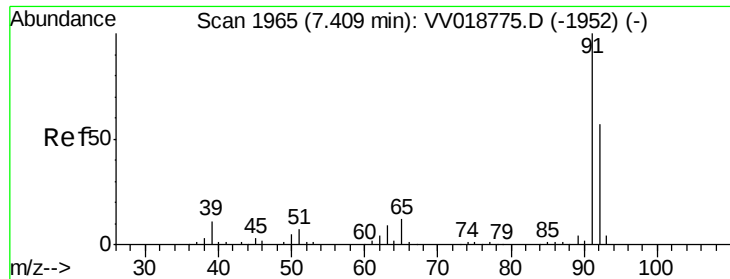
Tot Ion: 75 Resp: 193671
 Ion Ratio Lower Upper
 75 100
 77 32.5 21.8 40.6



#40
 4-Methyl-2-pentanone
 Concen: 104.730 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

Tgt Ion: 43 Resp: 361647
 Ion Ratio Lower Upper
 43 100
 58 37.8 30.2 45.4
 100 14.1 11.4 17.2





#42

Toluene

Concen: 49.298 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

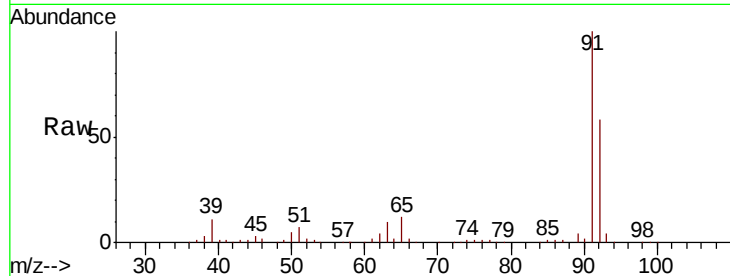
VSTD05080

Tot Ion: 91 Resp: 489817

Ion Ratio Lower Upper

91 100

92 58.4 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018775.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018775.D (-1952) (-)

7.41

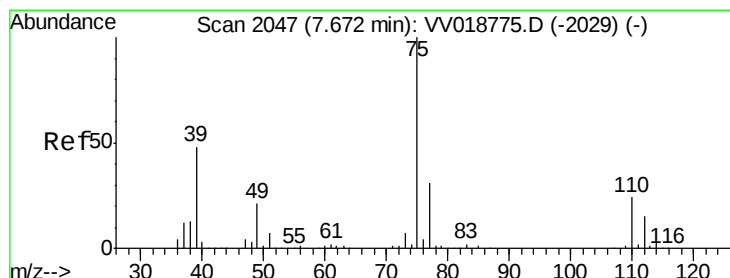
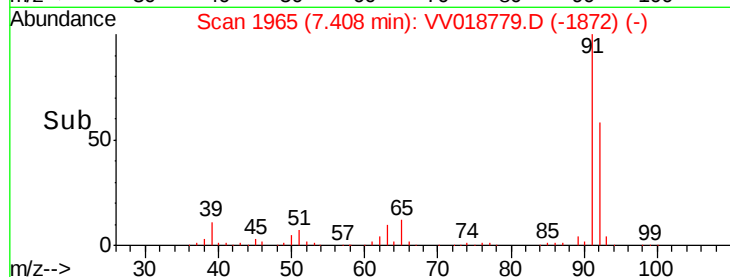
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.972 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018779.D

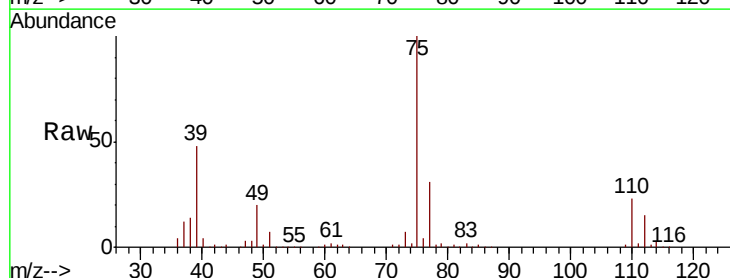
Acq: 08 Oct 2020 22:39

Tgt Ion: 75 Resp: 192225

Ion Ratio Lower Upper

75 100

77 31.0 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV018775.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018775.D (-2029) (-)

7.67

120000

100000

80000

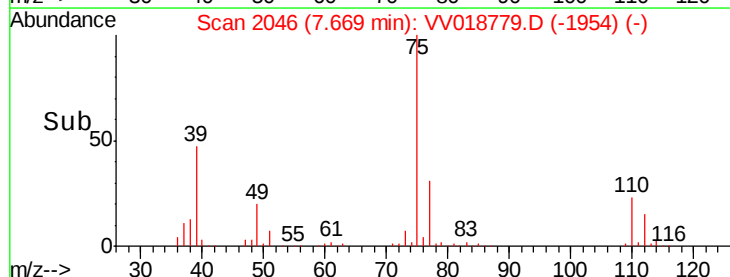
60000

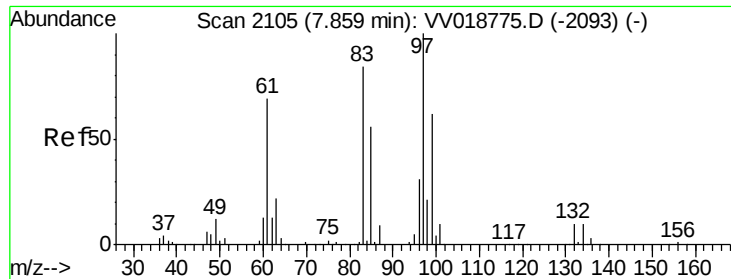
40000

20000

0

Time-->

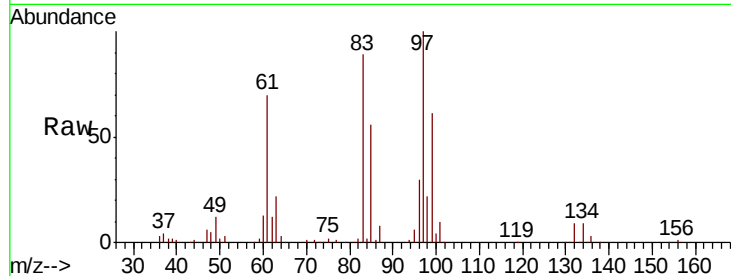




#45
1,1,2-Trichloroethane
Concen: 48.124 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

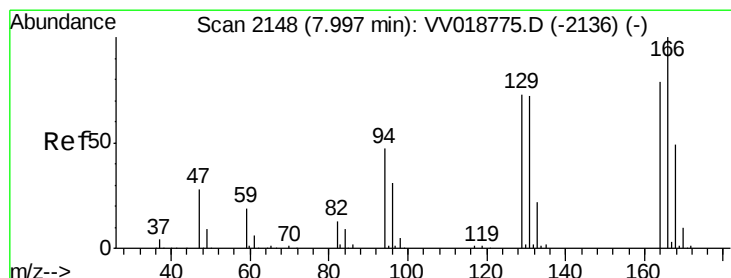
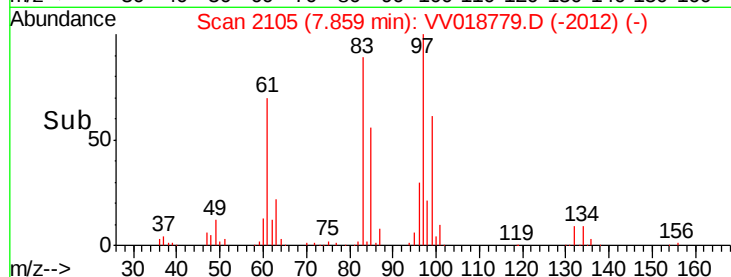
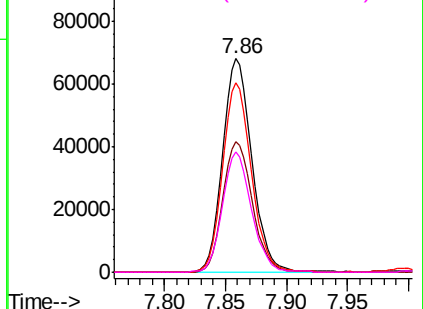
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion:	97	Resp:	114849
Ion	Ratio	Lower	Upper
97	100		
99	60.9	43.4	80.6
83	88.8	58.7	108.9
85	56.2	39.4	73.2



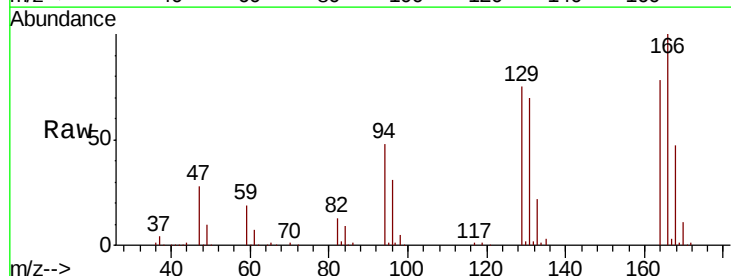
Abundance

Ion 97.00 (96.70 to 97.70): VV018779.D (-2093) (-)



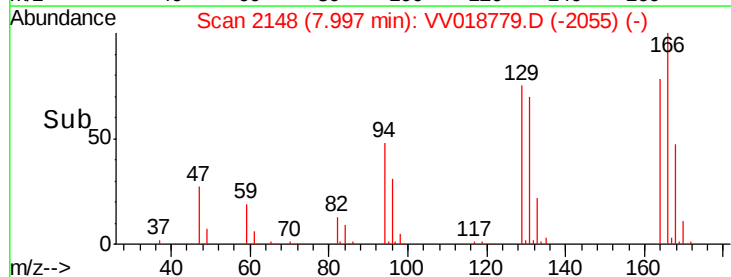
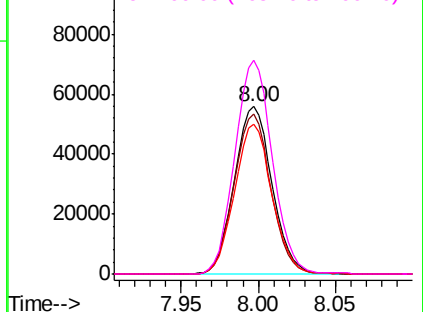
#46
Tetrachloroethene
Concen: 46.383 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

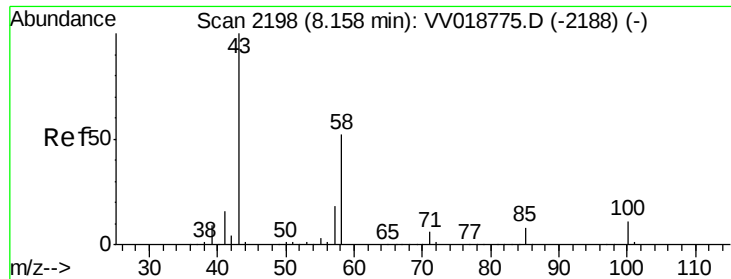
Tgt Ion:	164	Resp:	94640
Ion	Ratio	Lower	Upper
164	100		
129	95.3	64.6	120.0
131	89.7	63.6	118.0
166	127.7	88.3	164.1



Abundance

Ion 164.00 (163.70 to 164.70): VV018779.D (-2136) (-)

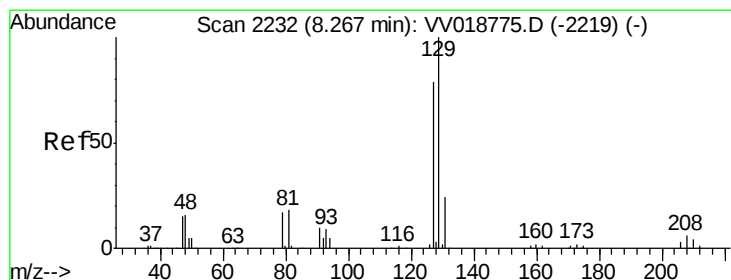
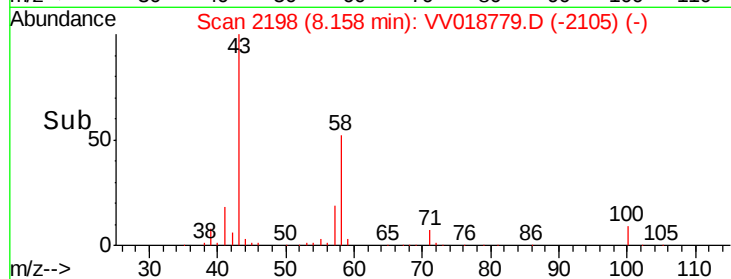
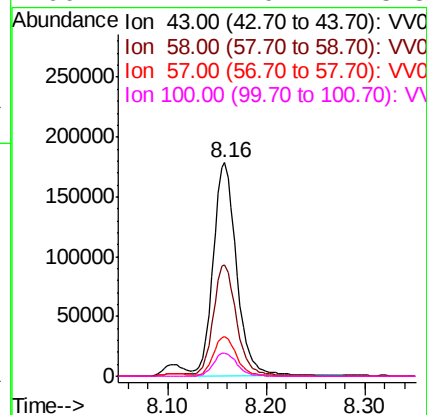
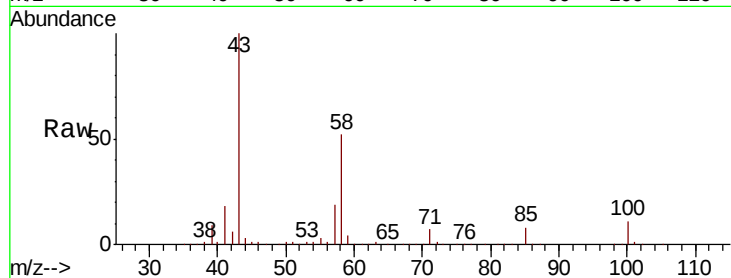




#48
2-Hexanone
Concen: 107.675 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

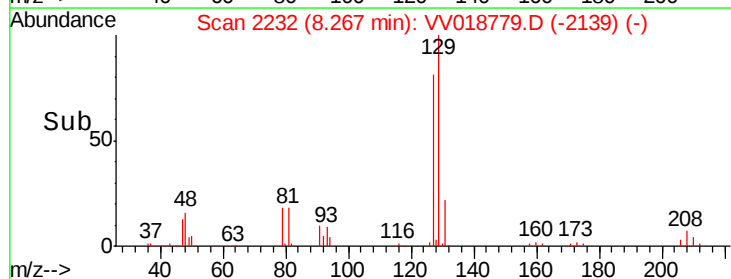
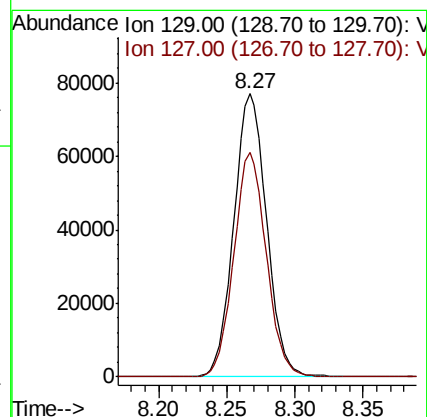
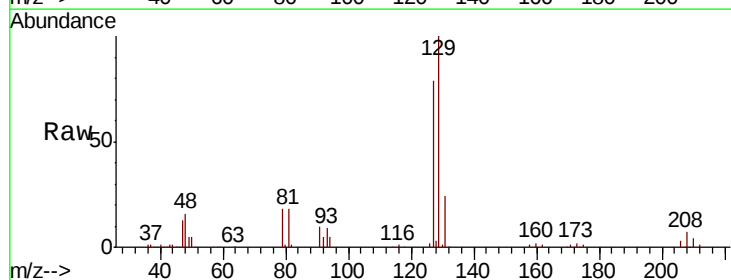
Instrument :
MSVOA_V
ClientSampled :
VSTD05080

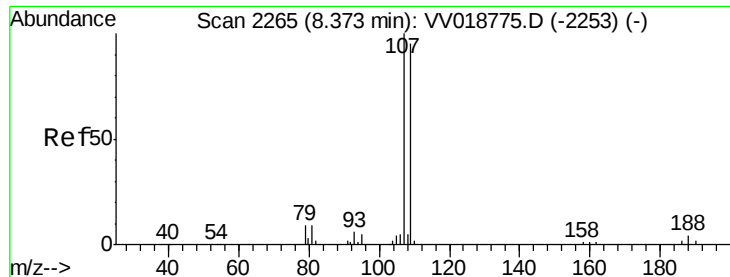
Tot Ion:	43	Resp:	293517
Ion	Ratio	Lower	Upper
43	100		
58	51.3	41.8	62.8
57	18.4	14.9	22.3
100	11.1	9.2	13.8



#49
Dibromochloromethane
Concen: 49.316 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Tgt Ion:	129	Resp:	128640
Ion	Ratio	Lower	Upper
129	100		
127	79.2	55.3	102.7

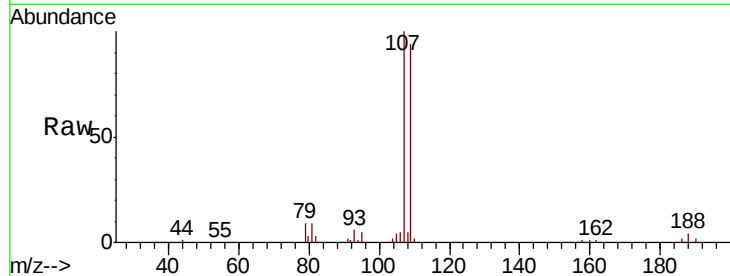




#50
1,2-Dibromoethane
Concen: 53.063 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.9	66.4	123.2
188	4.0	3.1	4.7

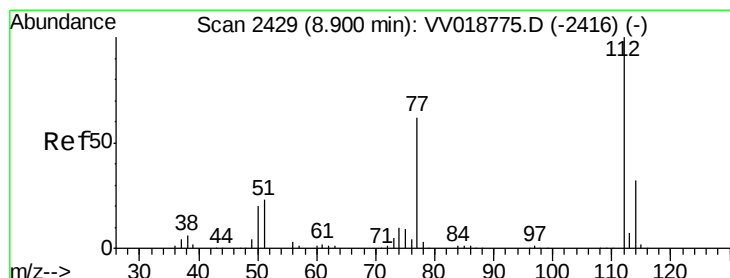
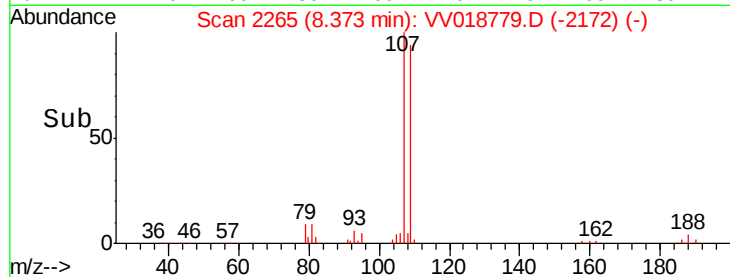
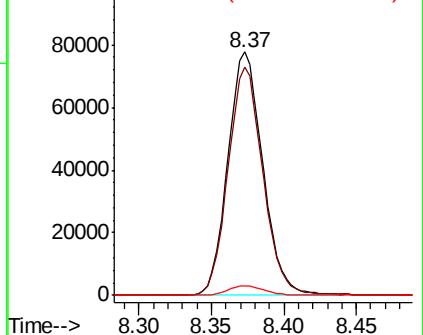


Abundance

Ion 107.00 (106.70 to 107.70): V

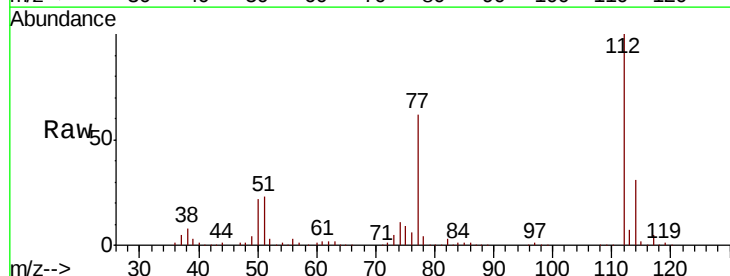
Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#51
Chlorobenzene
Concen: 48.464 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	30.9	22.0	41.0
77	61.8	49.8	74.6

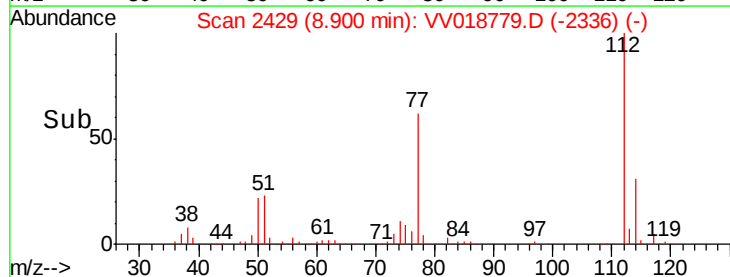
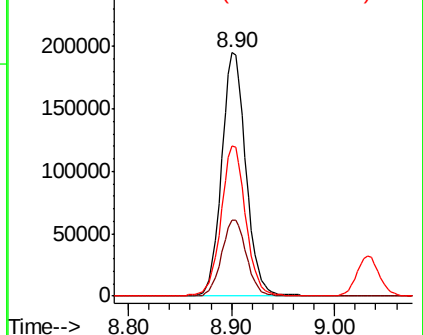


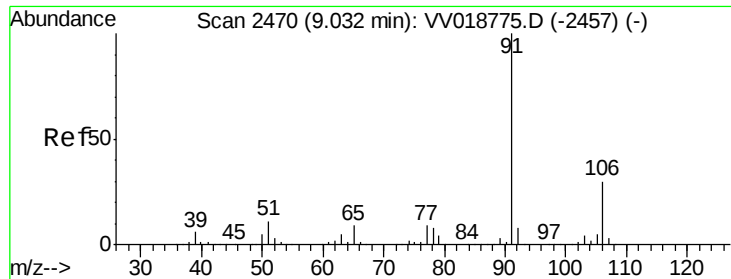
Abundance

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): VV0





#52

Ethylbenzene

Concen: 48.898 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

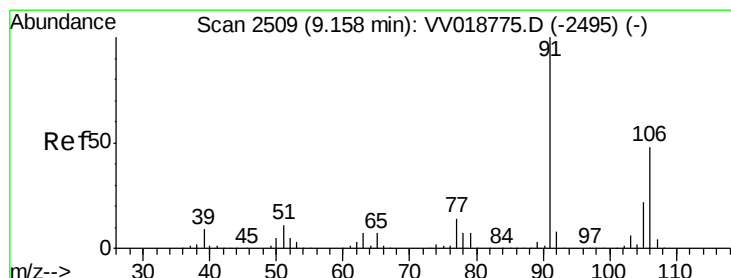
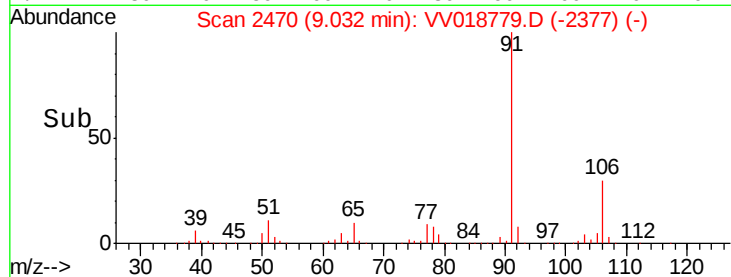
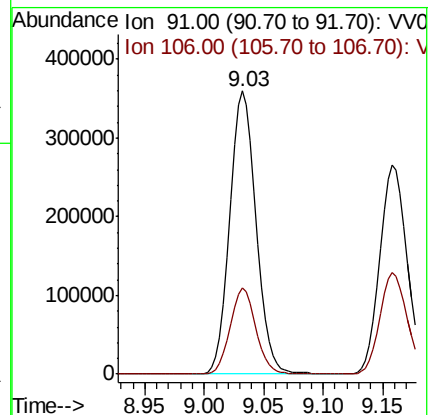
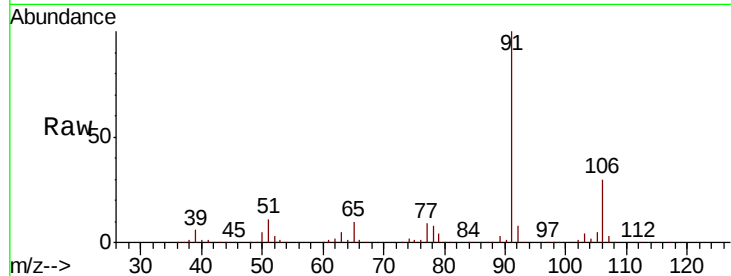
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion: 91 Resp: 551725

Ion Ratio Lower Upper

91 100

106 30.4 20.9 38.9



#53

m,p-Xylene

Concen: 49.398 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018779.D

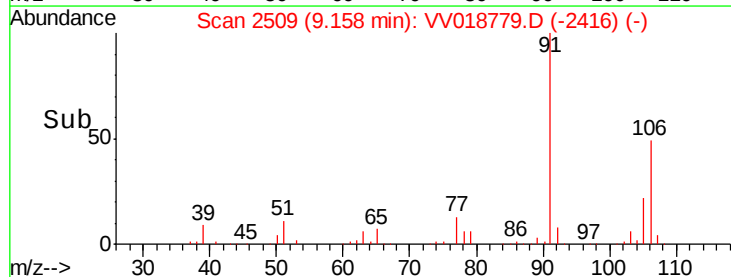
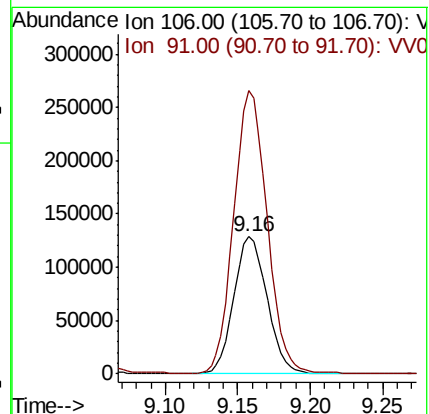
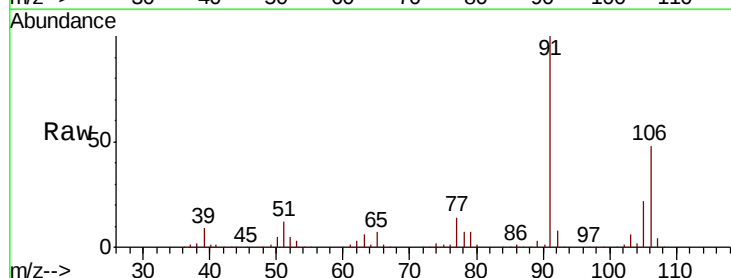
Acq: 08 Oct 2020 22:39

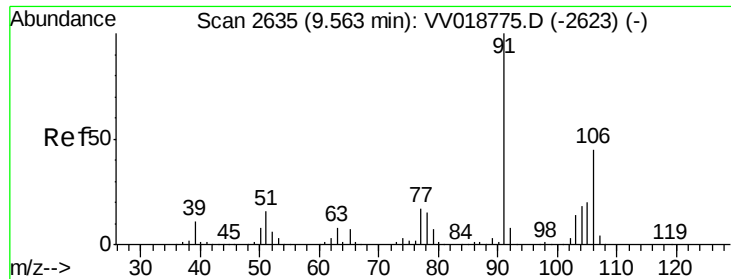
Tgt Ion: 106 Resp: 204591

Ion Ratio Lower Upper

106 100

91 206.3 147.1 273.1

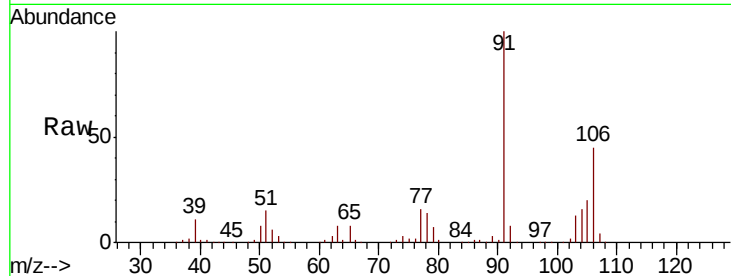




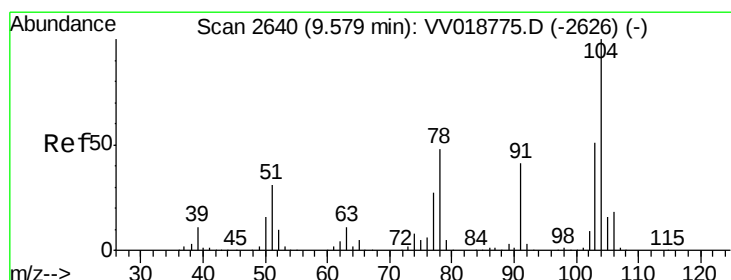
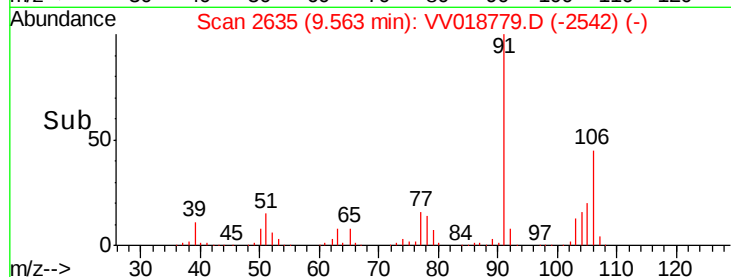
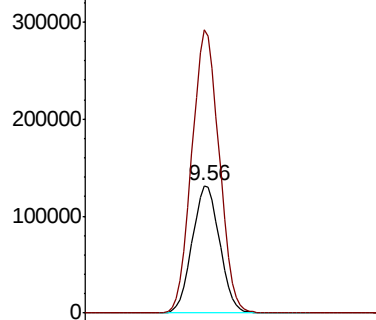
#54
o-xylene
Concen: 50.684 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tot Ion:106 Resp: 199374
Ion Ratio Lower Upper
106 100
91 222.1 156.8 291.2

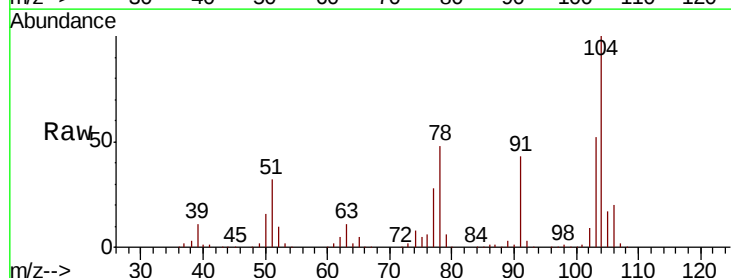


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

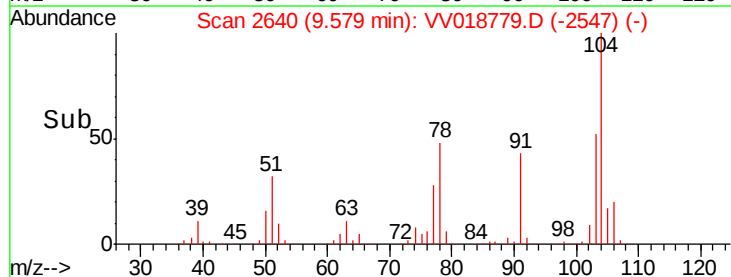
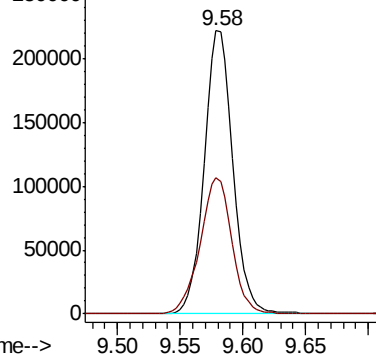


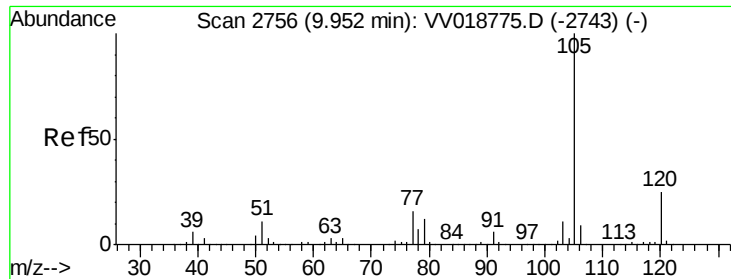
#55
Styrene
Concen: 50.523 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018779.D
Acq: 08 Oct 2020 22:39

Tgt Ion:104 Resp: 351762
Ion Ratio Lower Upper
104 100
78 48.3 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 48.935 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

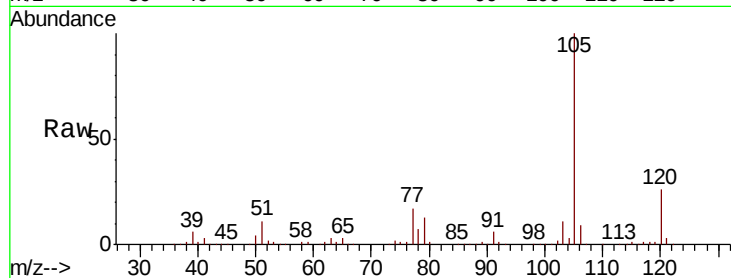
Tot Ion:105 Resp: 532621

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

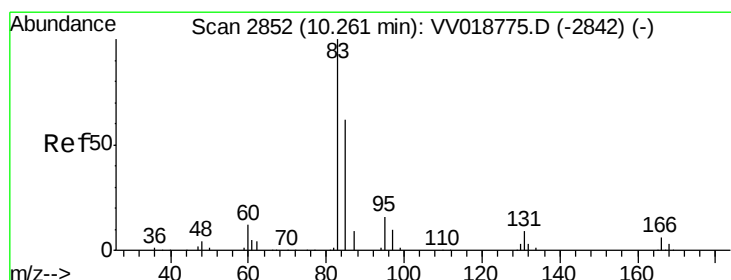
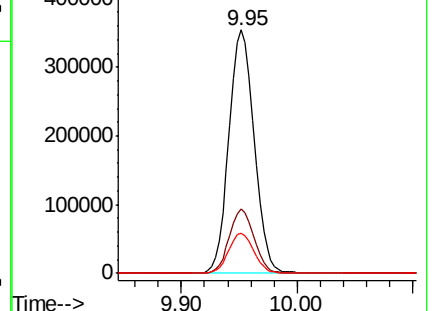
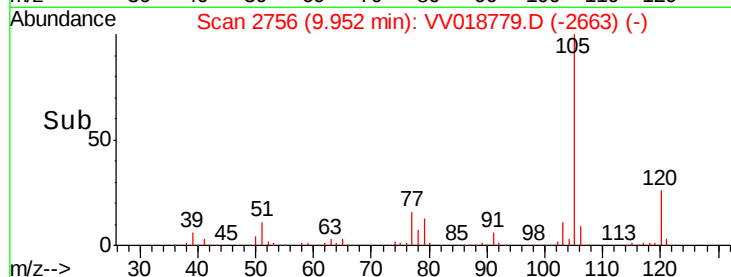
77 16.5 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.751 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

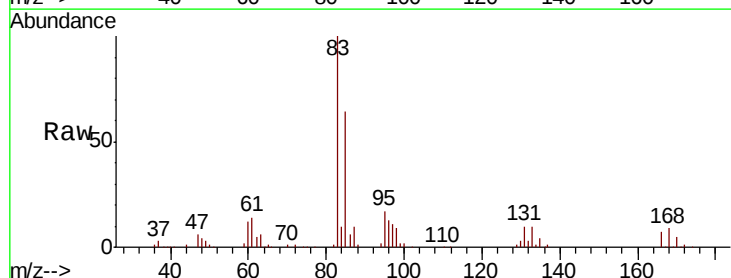
Tgt Ion: 83 Resp: 168949

Ion Ratio Lower Upper

83 100

85 64.4 44.5 82.7

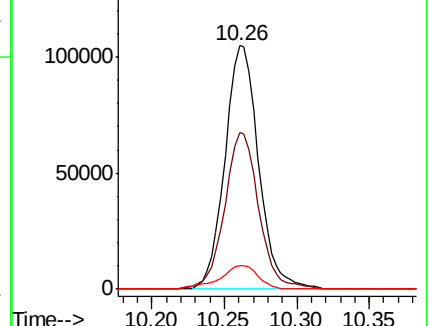
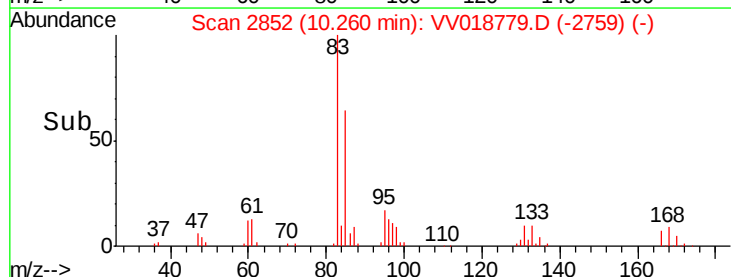
131 9.7 8.0 12.0

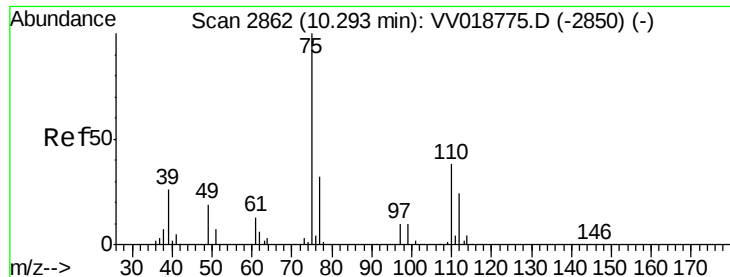


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.890 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

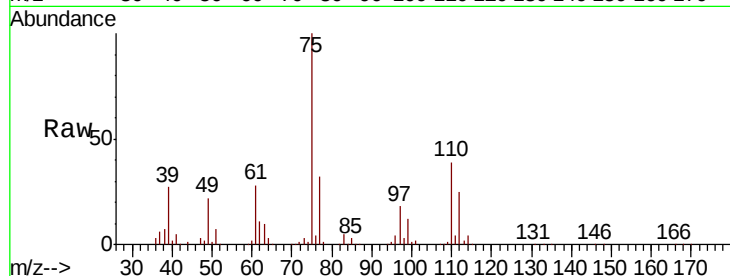
VSTD05080

Tot Ion: 75 Resp: 154577

Ion Ratio Lower Upper

75 100

77 31.8 25.9 38.9

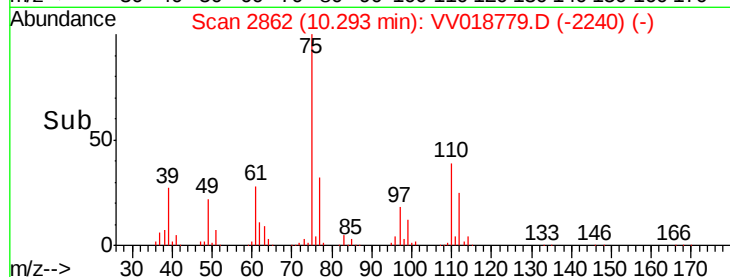


Abundance Ion 75.00 (74.70 to 75.70): VV018775.D (-2850) (-)

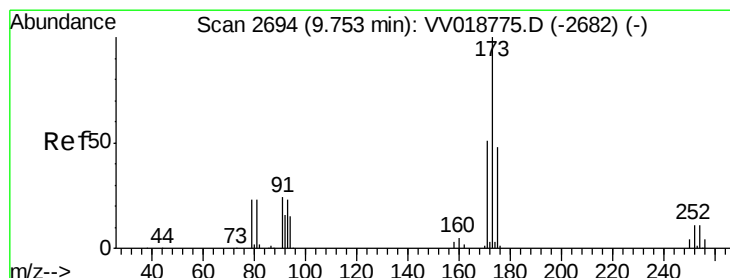
Ion 77.00 (76.70 to 77.70): VV018775.D (-2850) (-)

10.29

Time-->



Time-->



#61

Bromoform

Concen: 49.119 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

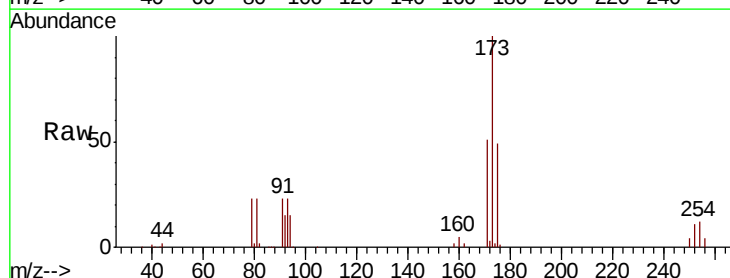
Tgt Ion: 173 Resp: 91617

Ion Ratio Lower Upper

173 100

175 48.7 38.7 58.1

254 11.3 8.2 12.4



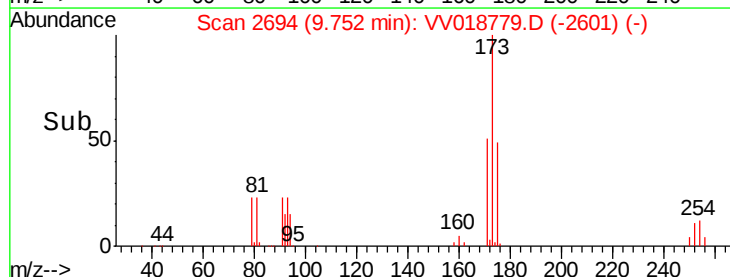
Abundance Ion 173.00 (172.70 to 173.70): VV018775.D (-2682) (-)

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

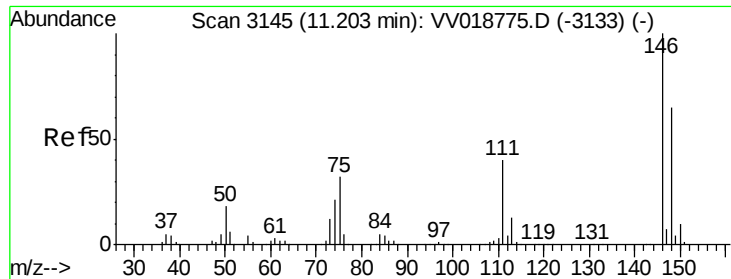
Ion 254.00 (253.70 to 254.70): VV018775.D (-2682) (-)

9.75

Time-->



Time-->



#62

1,3-Dichlorobenzene

Concen: 50.656 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

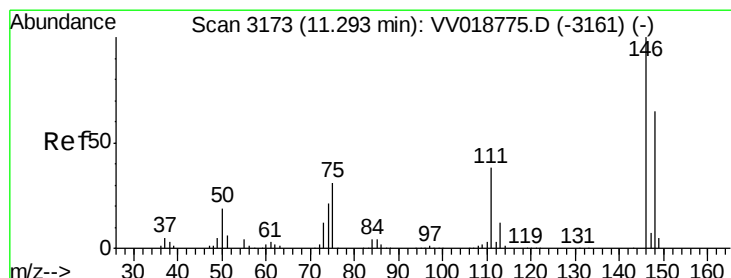
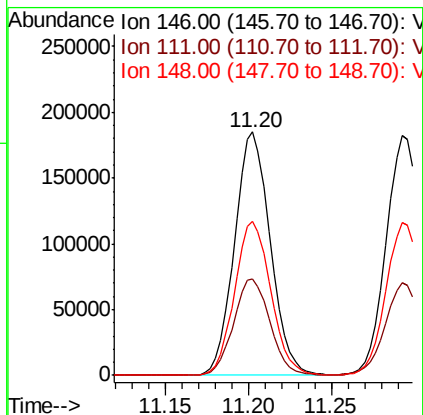
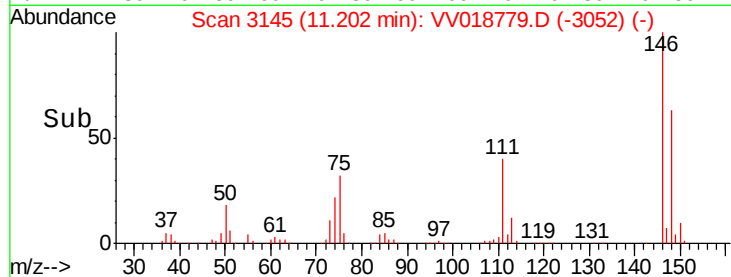
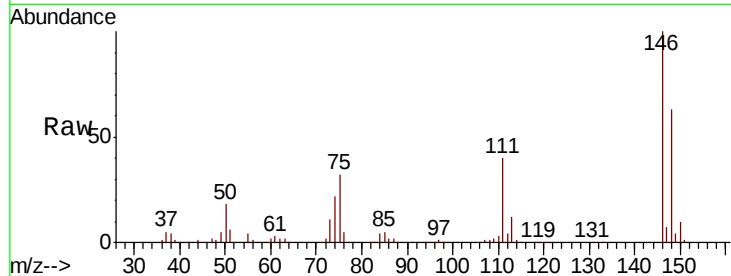
Tot Ion:146 Resp: 277628

Ion Ratio Lower Upper

146 100

111 39.9 27.8 51.6

148 63.4 45.4 84.4



#63

1,4-Dichlorobenzene

Concen: 48.561 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

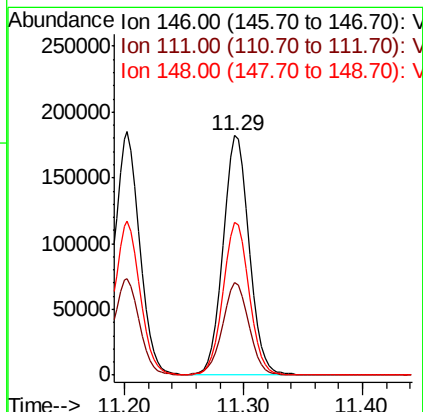
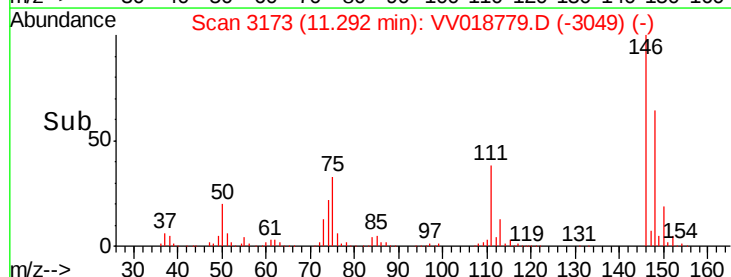
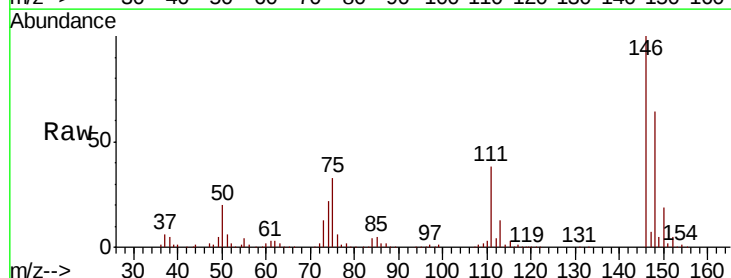
Tgt Ion:146 Resp: 276853

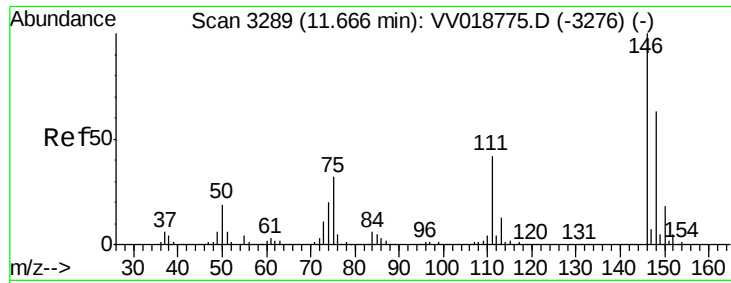
Ion Ratio Lower Upper

146 100

111 38.5 27.1 50.3

148 63.6 45.4 84.4





#65

1,2-Dichlorobenzene

Concen: 46.709 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

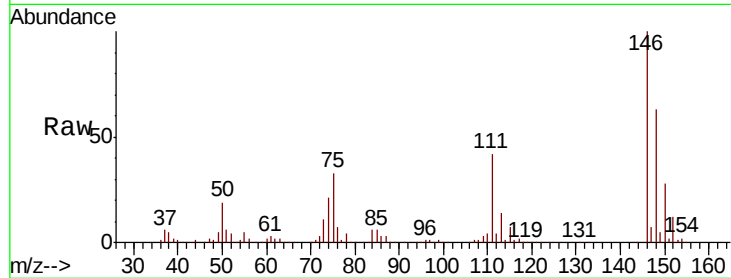
Tot Ion:146 Resp: 257006

Ion Ratio Lower Upper

146 100

111 42.0 33.8 50.6

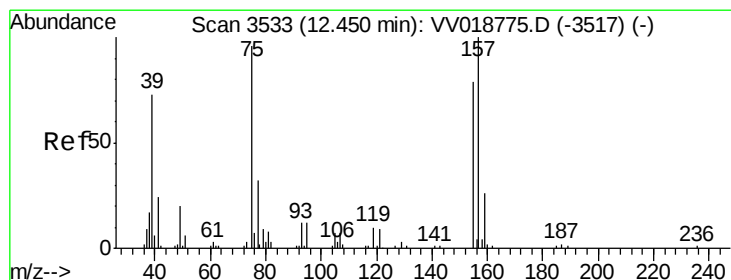
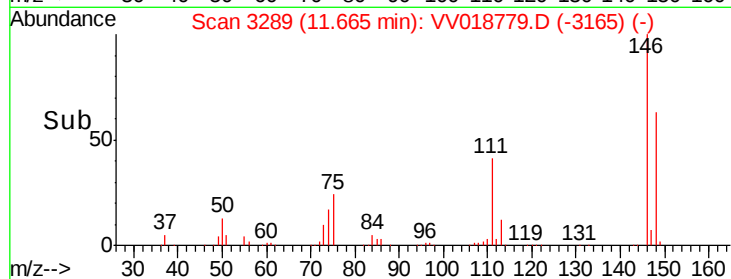
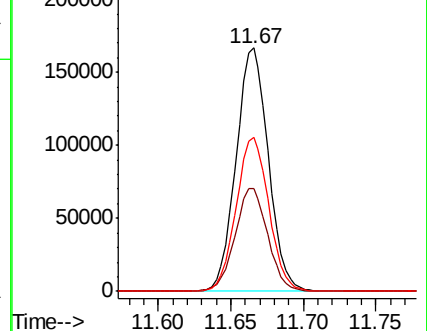
148 63.1 50.3 75.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.673 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

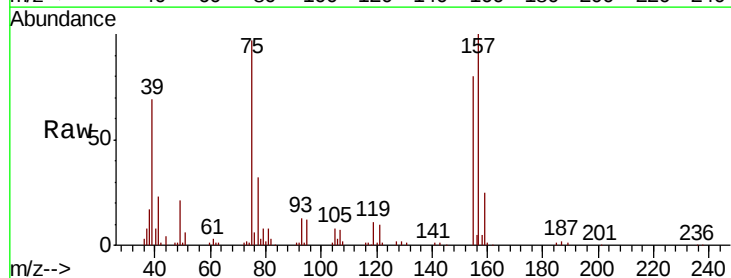
Tgt Ion: 75 Resp: 38460

Ion Ratio Lower Upper

75 100

155 82.1 65.8 98.8

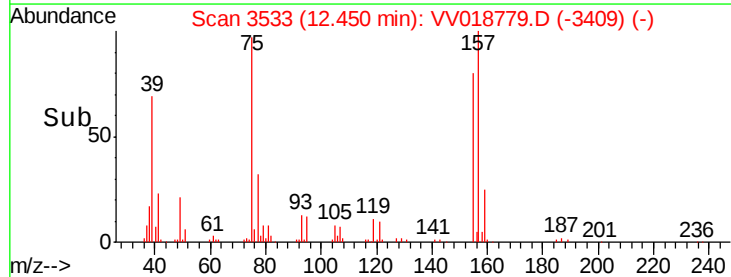
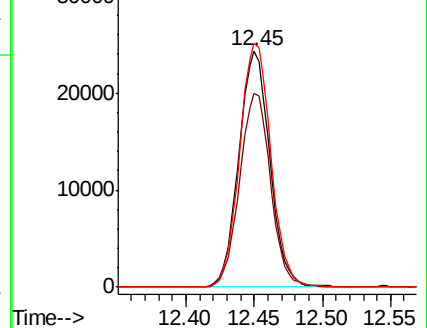
157 103.0 83.0 124.6

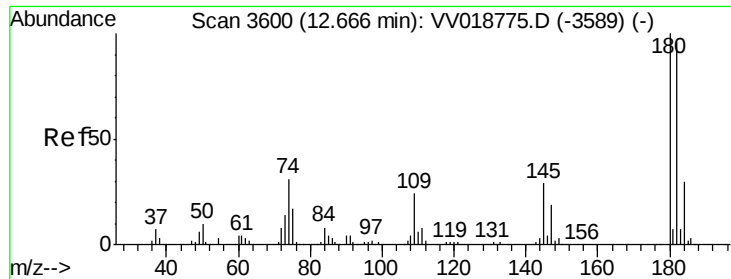


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

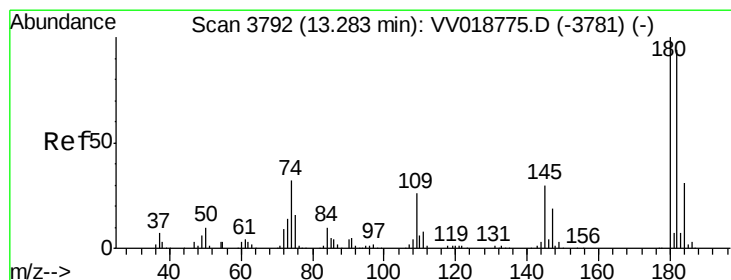
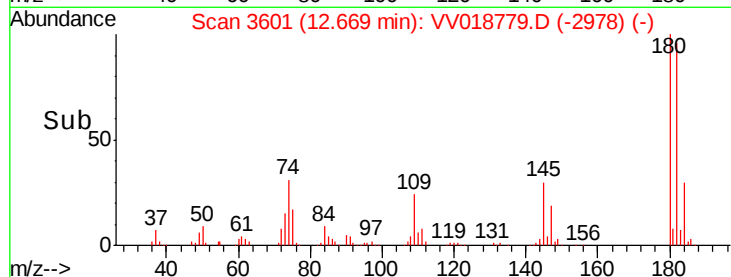
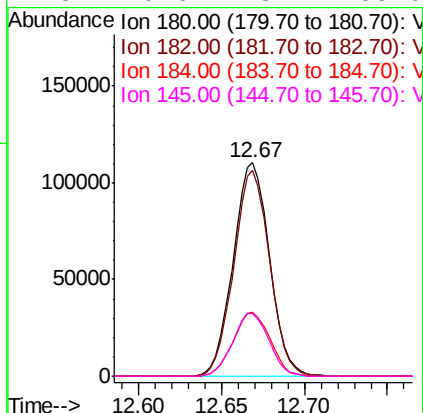
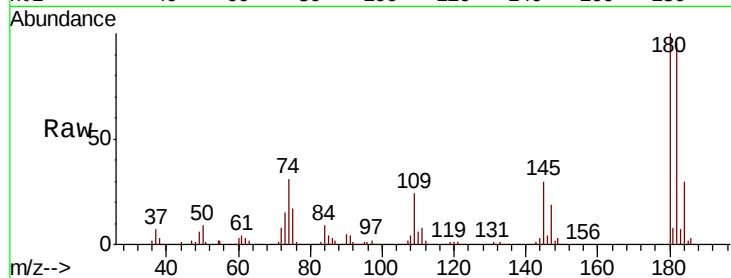




#67
 1,3,5-Trichlorobenzene
 Concen: 47.299 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

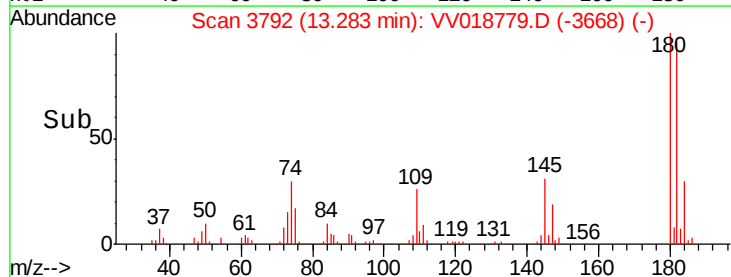
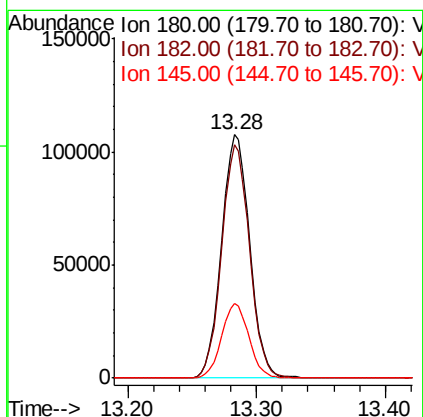
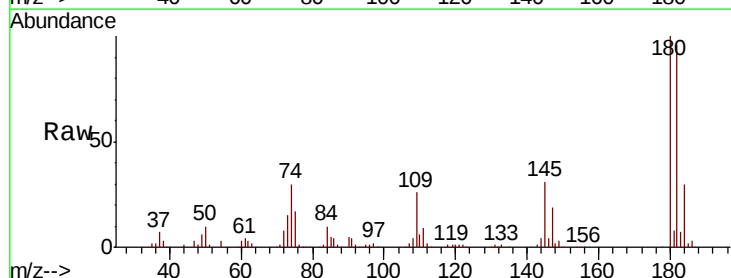
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

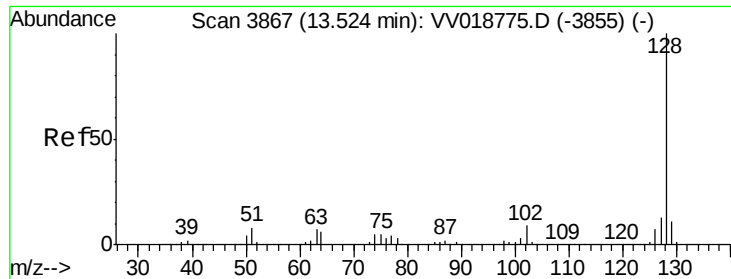
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.5	77.0	115.6
184	30.7	24.6	37.0
145	29.6	23.4	35.0



#68
 1,2,4-trichlorobenzene
 Concen: 48.846 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018779.D
 Acq: 08 Oct 2020 22:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.7	115.1
145	29.6	24.0	36.0





#69

Naphthalene

Concen: 54.137 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

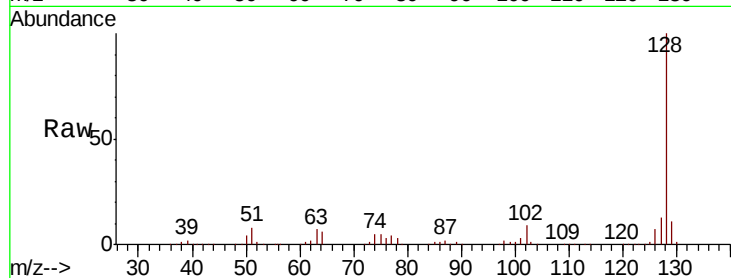
Tot Ion:128 Resp: 509177

Ion Ratio Lower Upper

128 100

127 13.1 10.4 15.6

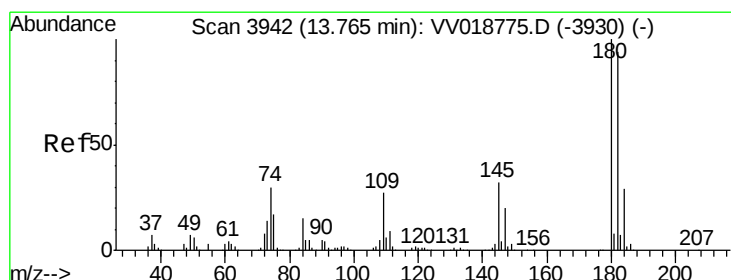
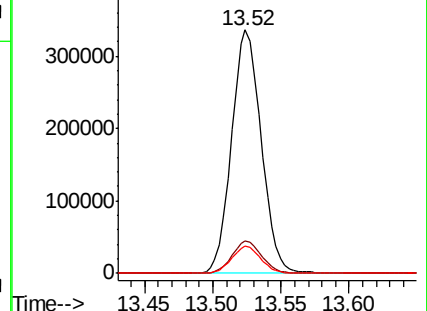
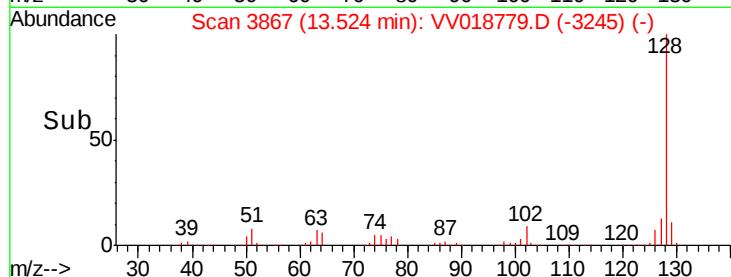
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 49.913 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018779.D

Acq: 08 Oct 2020 22:39

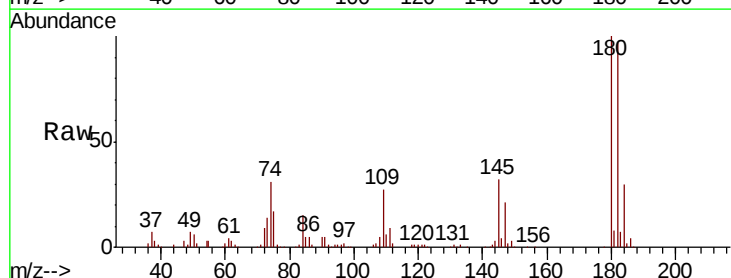
Tgt Ion:180 Resp: 165395

Ion Ratio Lower Upper

180 100

182 95.9 75.9 113.9

145 32.1 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

