

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100220\
 Data File : VV018650.D
 Acq On : 03 Oct 2020 01:06
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 36 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Quant Time: Oct 03 02:12:17 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 02:08:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	311304	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	309177	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	170429	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	91706	50.23	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	100.46%
7) Chloroethane-d5	1.58	69	71784	47.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	95.10%
11) 1,1-Dichloroethene-d2	2.12	63	191485	51.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.94%
21) 2-Butanone-d5	3.90	46	119024	87.40	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	87.40%
24) Chloroform-d	4.37	84	176063	44.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.20%
26) 1,2-Dichloroethane-d4	5.06	65	116337	46.42	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.84%
32) Benzene-d6	5.07	84	331160	42.29	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.58%
36) 1,2-Dichloropropane-d6	6.09	67	101333	42.82	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.64%
41) Toluene-d8	7.34	98	317698	43.12	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	86.24%
43) trans-1,3-Dichloropropene-	7.64	79	54272	42.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	84.92%
47) 2-Hexanone-d5	8.11	63	78981	87.88	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.88%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	149414	47.63	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.26%
64) 1,2-Dichlorobenzene-d4	11.65	152	138236	42.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	84.36%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	90316	42.668	ug/L 99
3) Chloromethane	1.25	50	93538	41.299	ug/L 99
5) Vinyl chloride	1.32	62	115346	48.439	ug/L 100
6) Bromomethane	1.53	94	73868	45.578	ug/L 100
8) Chloroethane	1.59	64	72757	49.582	ug/L 96
9) Trichlorofluoromethane	1.76	101	189537	52.370	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101790	50.251	ug/L 99
12) 1,1-Dichloroethene	2.13	96	99049	50.969	ug/L 94
13) Acetone	2.18	43	107370	91.256	ug/L 97
14) Carbon disulfide	2.31	76	271741	43.166	ug/L 98
15) Methyl Acetate	2.44	43	104292	46.010	ug/L 99
16) Methylene chloride	2.52	84	107136	45.934	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	100179	45.051	ug/L 100
18) Methyl tert-butyl Ether	2.78	73	315680	46.594	ug/L 98
19) 1,1-Dichloroethane	3.21	63	181486	46.613	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	109131	46.179	ug/L 98
22) 2-Butanone	3.99	43	136426	91.787	ug/L 100

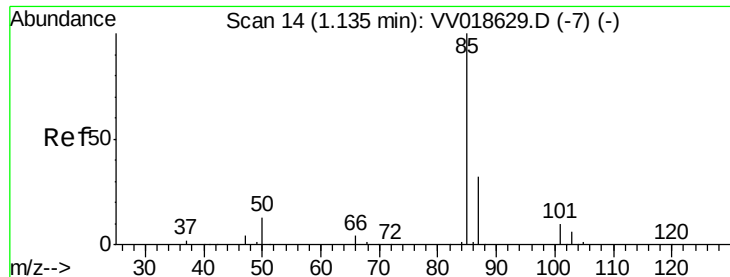
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV100220\
 Data File : VV018650.D
 Acq On : 03 Oct 2020 01:06
 Operator : SY/MD
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 Quant Title : VOC Analysis
 QLast Update : Sat Oct 03 02:08:43 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	61188	47.085	ug/L	97
25) Chloroform	4.40	83	195827	47.633	ug/L	99
27) 1,2-Dichloroethane	5.15	62	158229	49.379	ug/L	99
29) Cyclohexane	4.70	56	147090	41.713	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	180605	47.053	ug/L	99
31) Carbon tetrachloride	4.85	117	160989	46.734	ug/L	100
33) Benzene	5.13	78	406099	44.709	ug/L	100
34) Trichloroethene	5.94	95	118655	44.996	ug/L	98
35) Methylcyclohexane	6.15	83	140439	39.479	ug/L	99
37) 1,2-Dichloropropane	6.20	63	104266	44.742	ug/L	100
38) Bromodichloromethane	6.53	83	146310	46.880	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	164666	45.036	ug/L	97
40) 4-Methyl-2-pentanone	7.24	43	283420	94.251	ug/L	99
42) Toluene	7.41	91	450491	45.846	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	164985	45.936	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	107247	46.489	ug/L	97
46) Tetrachloroethene	8.00	164	93338	43.629	ug/L	98
48) 2-Hexanone	8.16	43	217341	92.634	ug/L	99
49) Dibromochloromethane	8.27	129	125116	47.417	ug/L	98
50) 1,2-Dibromoethane	8.37	107	114607	46.725	ug/L	98
51) Chlorobenzene	8.90	112	301322	45.329	ug/L	99
52) Ethylbenzene	9.03	91	499395	45.509	ug/L	99
53) m,p-Xylene	9.16	106	192691	45.437	ug/L	100
54) o-xylene	9.56	106	201686	50.232	ug/L	98
55) Styrene	9.58	104	363799	52.037	ug/L	96
56) Isopropylbenzene	9.95	105	558660	51.881	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	161589	49.693	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	145358	51.280	ug/L	100
61) Bromoform	9.75	173	97859	49.988	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	250962	45.501	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	258729	45.554	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	252420	46.260	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	34450	46.248	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	158929	41.598	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	153980	43.311	ug/L	100
69) Naphthalene	13.52	128	487608	47.913	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	159842	44.787	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 42.668 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

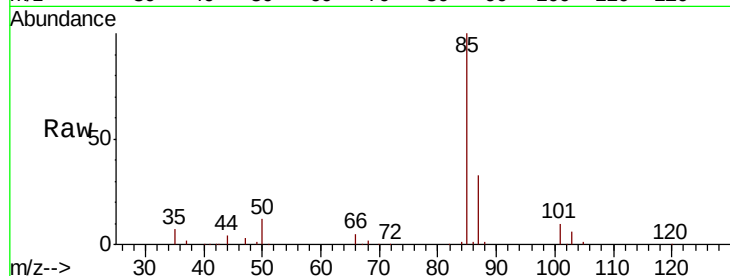
VSTD05068

Tot Ion: 85 Resp: 90316

Ion Ratio Lower Upper

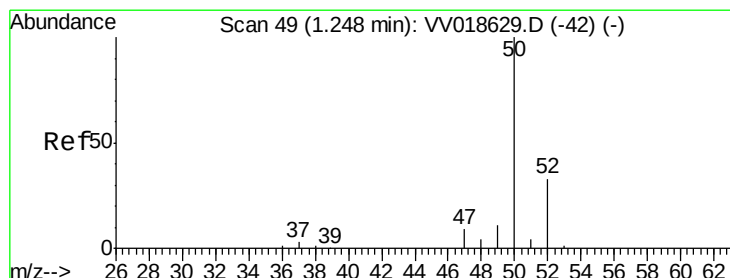
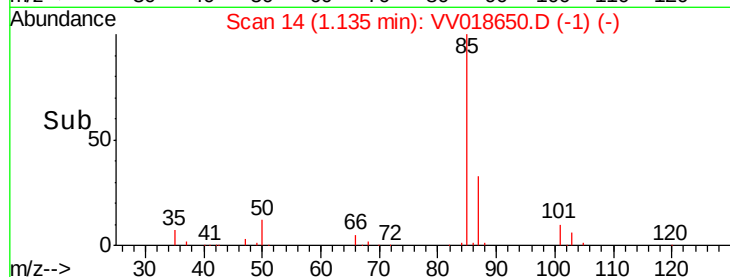
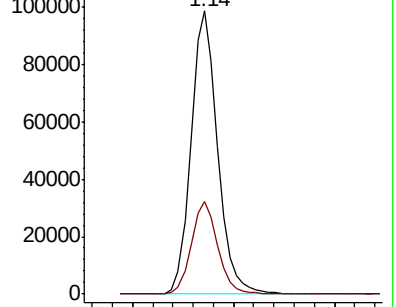
85 100

87 32.5 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 41.299 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018650.D

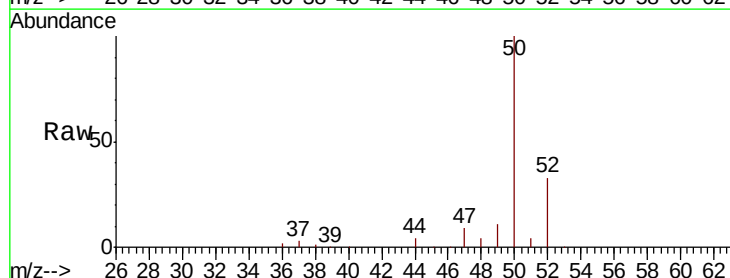
Acq: 03 Oct 2020 01:06

Tgt Ion: 50 Resp: 93538

Ion Ratio Lower Upper

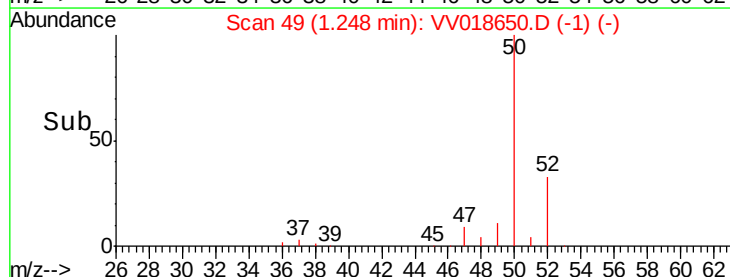
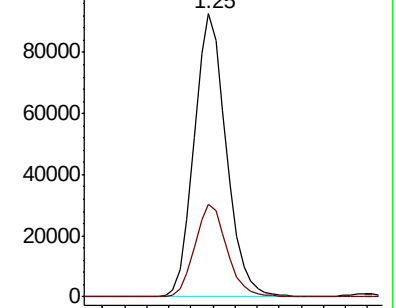
50 100

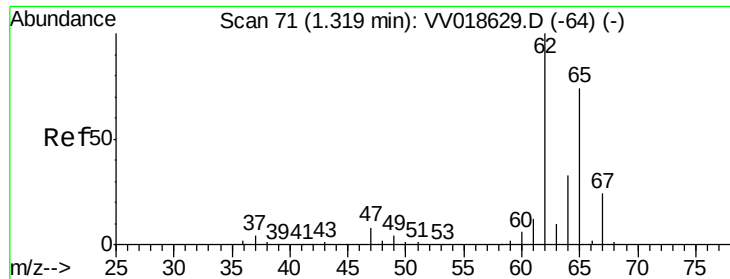
52 32.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 48.439 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampled :

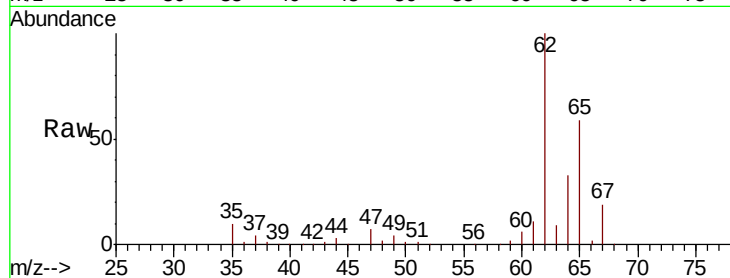
VSTD05068

Tot Ion: 62 Resp: 115346

Ion Ratio Lower Upper

62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV018629.D (-64) (-)

Ion 64.00 (63.70 to 64.70): VV018650.D (-1) (-)

1.32

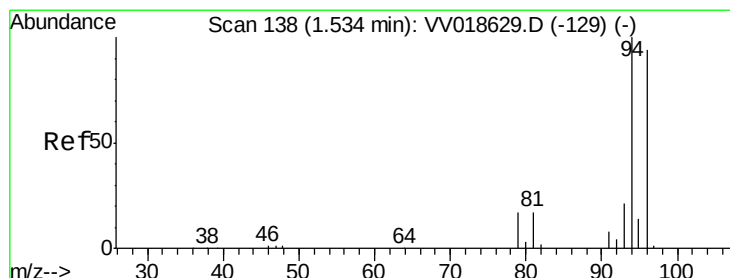
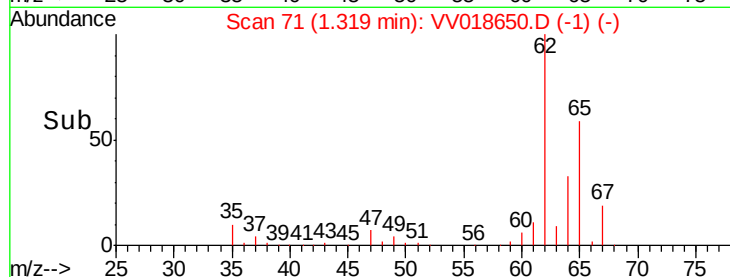
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 45.578 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018650.D

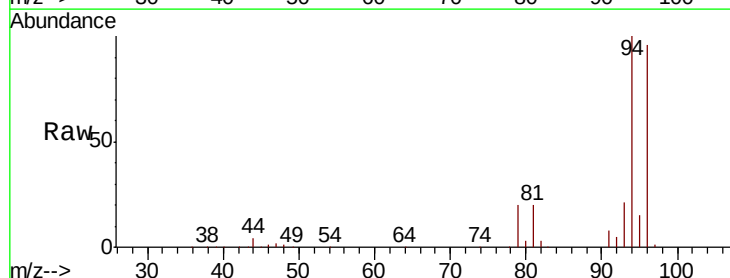
Acq: 03 Oct 2020 01:06

Tgt Ion: 94 Resp: 73868

Ion Ratio Lower Upper

94 100

96 96.2 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV018629.D (-129) (-)

Ion 96.00 (95.70 to 96.70): VV018650.D (-45) (-)

1.53

80000

60000

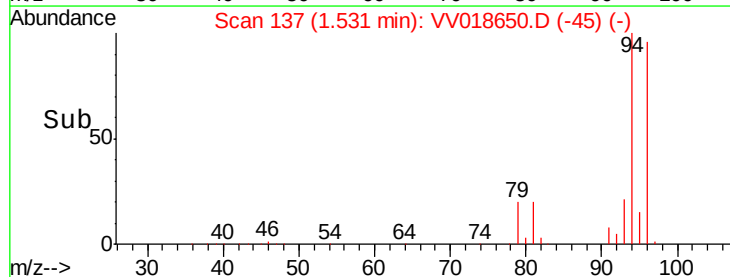
40000

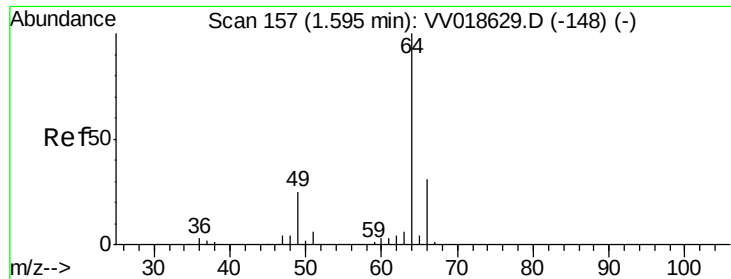
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 49.582 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

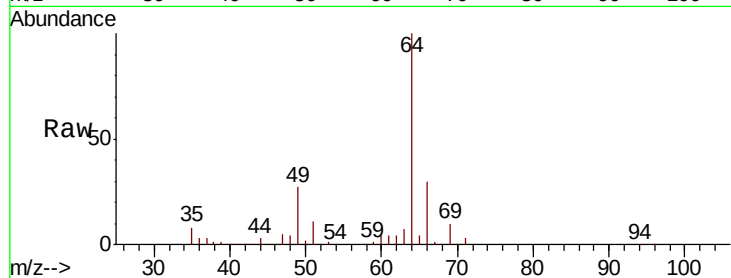
VSTD05068

Tot Ion: 64 Resp: 72757

Ion Ratio Lower Upper

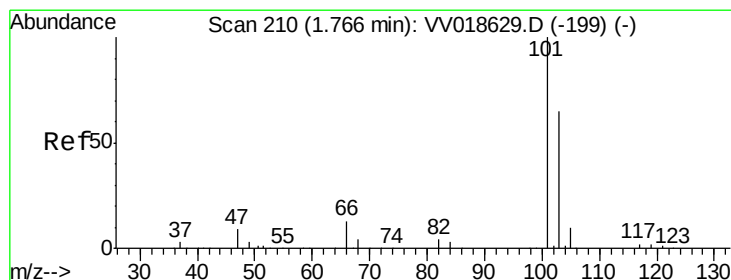
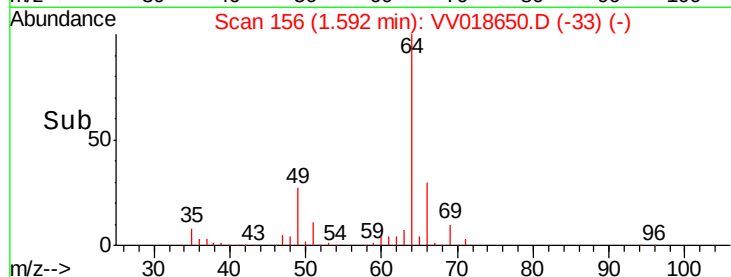
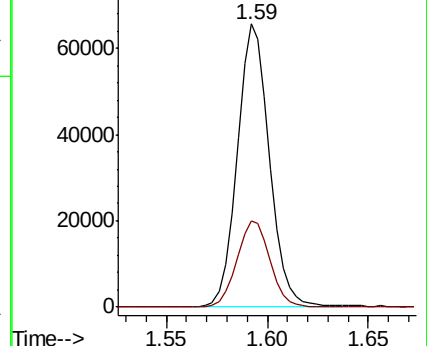
64 100

66 30.4 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV0

Ion 66.00 (65.70 to 66.70): VV0



#9

Trichlorofluoromethane

Concen: 52.370 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018650.D

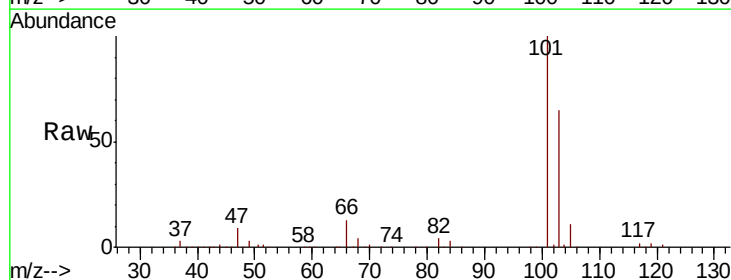
Acq: 03 Oct 2020 01:06

Tgt Ion:101 Resp: 189537

Ion Ratio Lower Upper

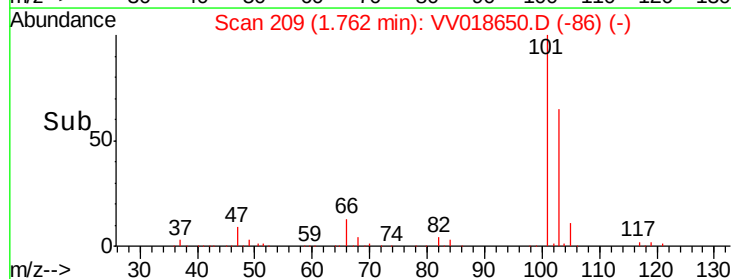
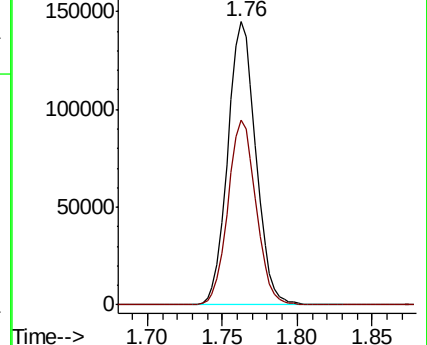
101 100

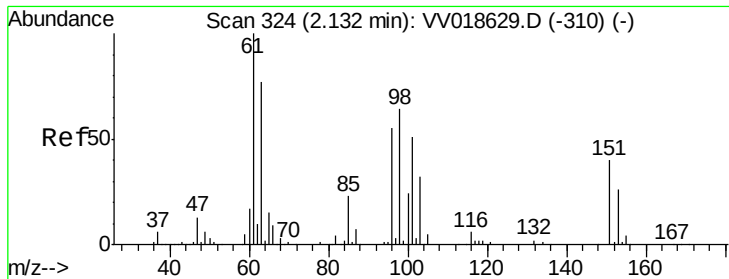
103 65.2 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 103.00 (102.70 to 103.70): V





#10

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

Concen: 50.251 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

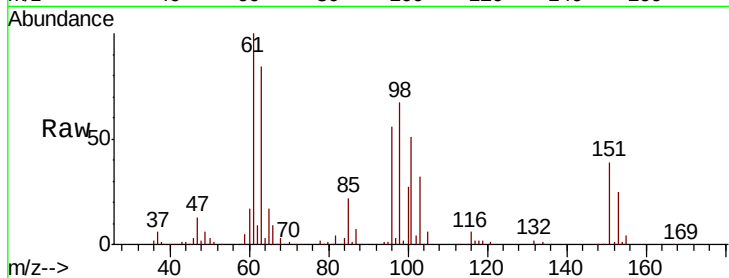
Tot Ion:101 Resp: 101790

Ion Ratio Lower Upper

101 100

85 43.3 34.6 52.0

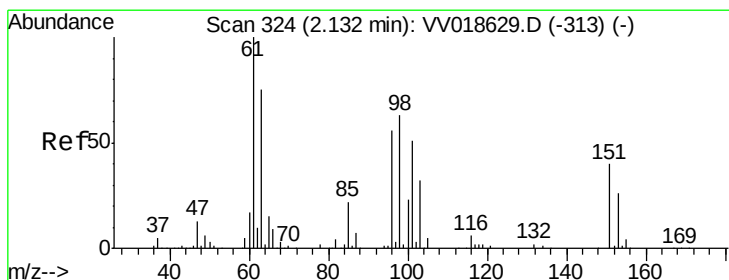
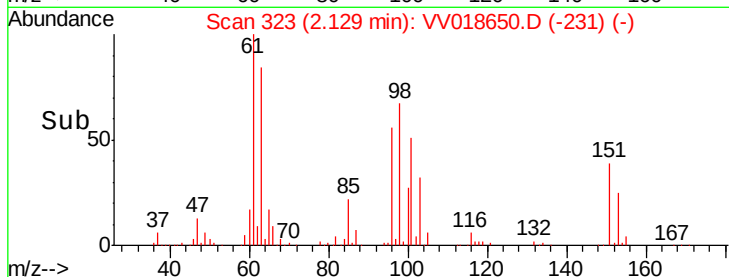
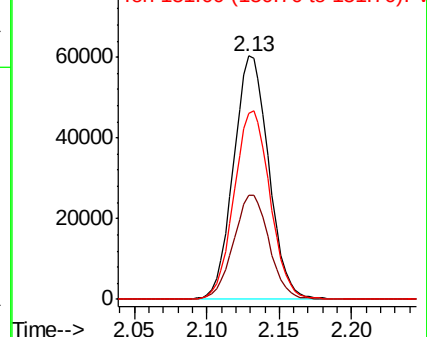
151 79.1 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.969 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

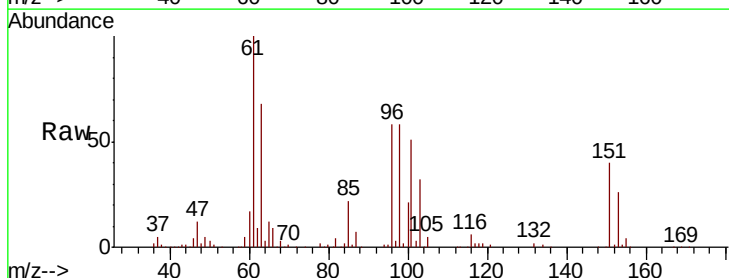
Tgt Ion: 96 Resp: 99049

Ion Ratio Lower Upper

96 100

61 173.0 122.8 228.1

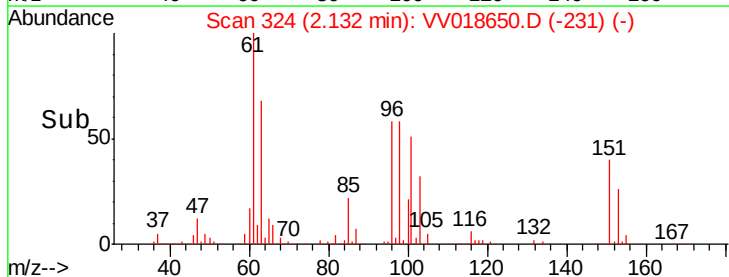
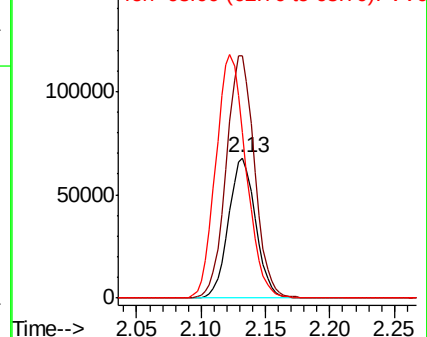
63 117.8 91.9 170.7

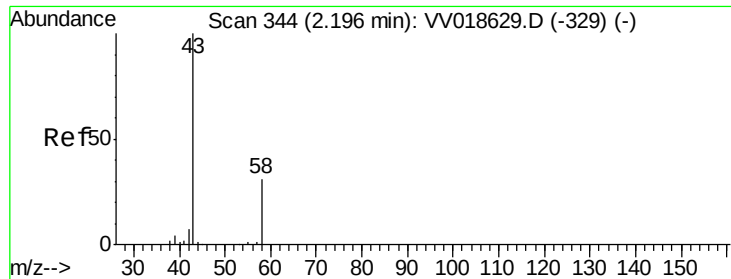


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 91.256 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.01 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

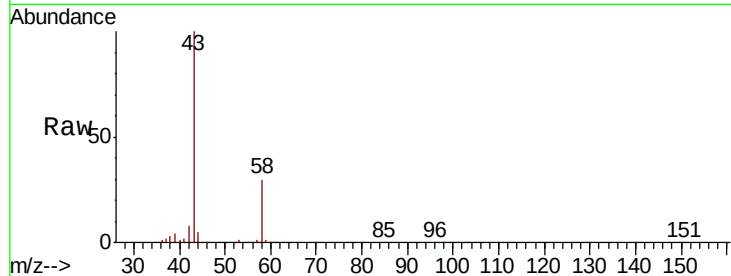
VSTD05068

Tot Ion: 43 Resp: 107370

Ion Ratio Lower Upper

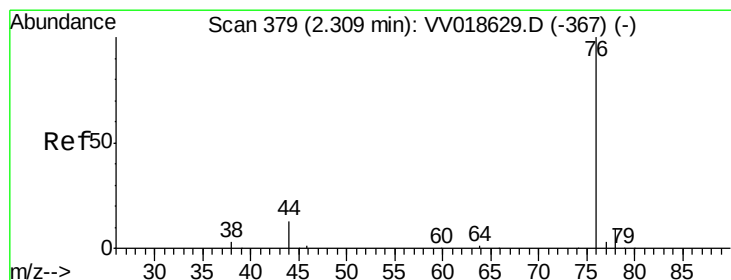
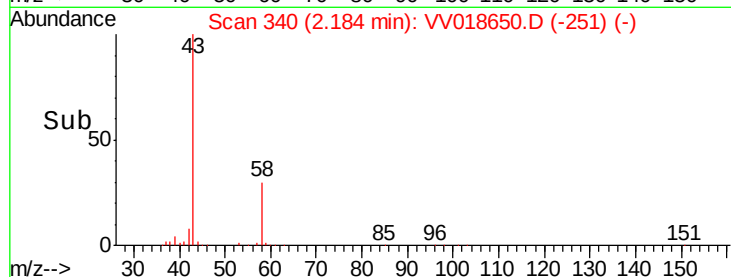
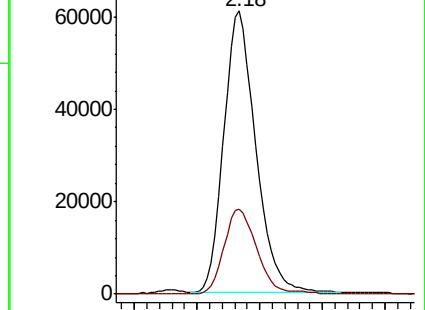
43 100

58 30.3 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018629.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018629.D (-329) (-)



#14

Carbon disulfide

Concen: 43.166 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018650.D

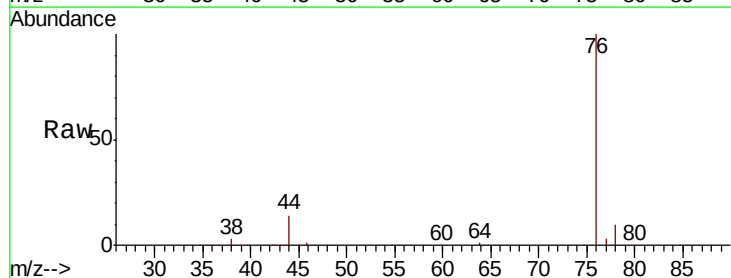
Acq: 03 Oct 2020 01:06

Tgt Ion: 76 Resp: 271741

Ion Ratio Lower Upper

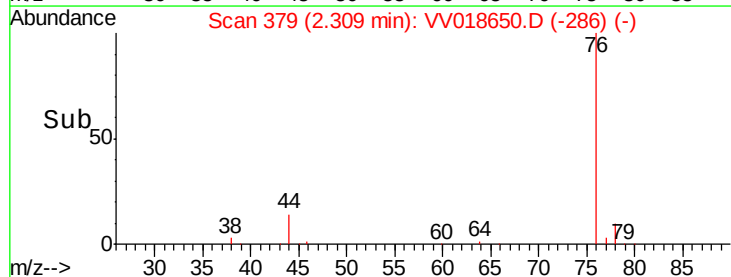
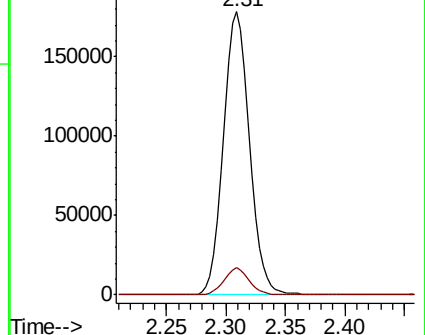
76 100

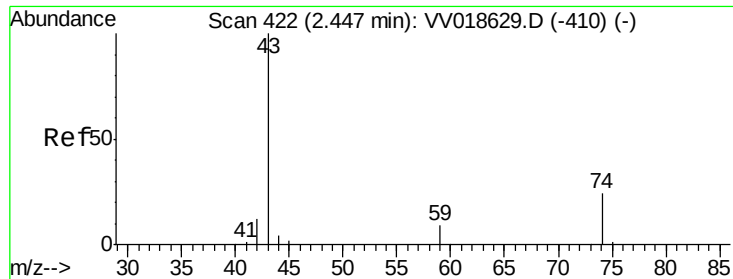
78 9.6 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018629.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018629.D (-367) (-)

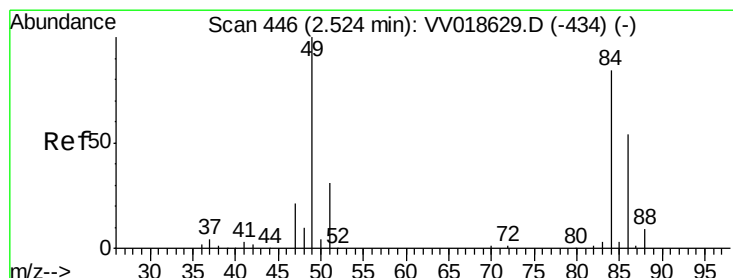
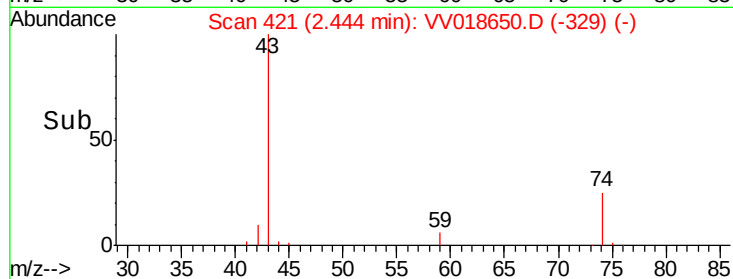
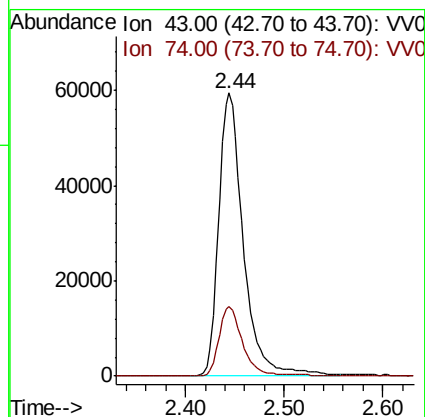
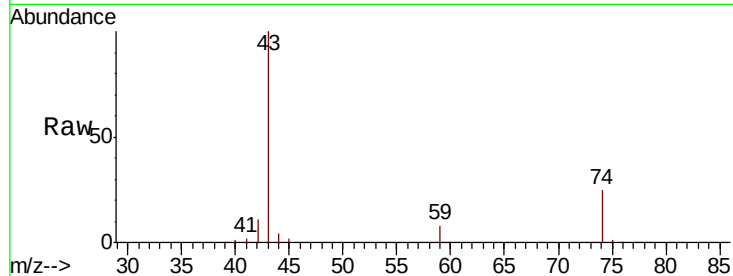




#15
Methvl Acetate
Concen: 46.010 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018650.D
Acq: 03 Oct 2020 01:06

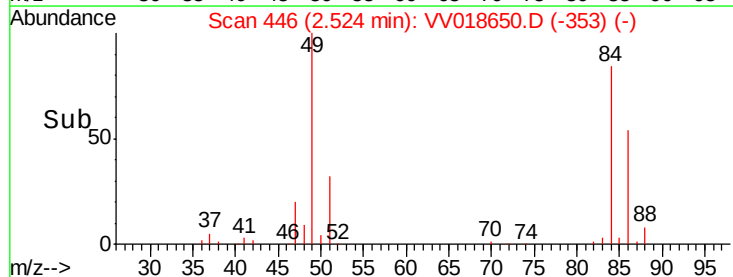
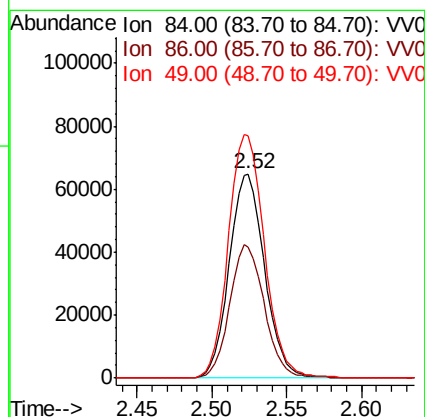
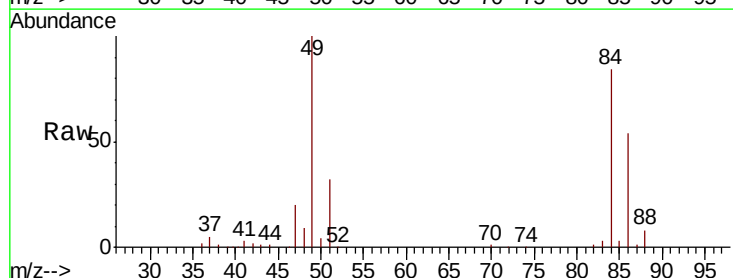
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

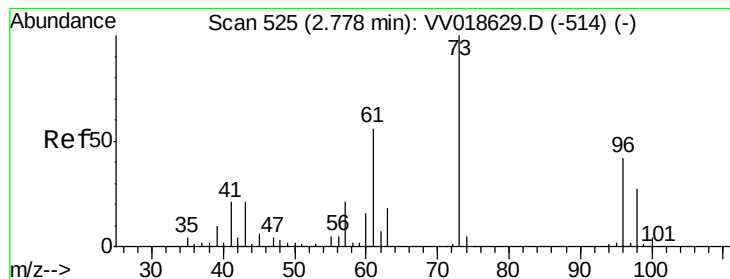
Tot Ion: 43 Resp: 104292
Ion Ratio Lower Upper
43 100
74 23.4 19.2 28.8



#16
Methylene chloride
Concen: 45.934 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018650.D
Acq: 03 Oct 2020 01:06

Tgt Ion: 84 Resp: 107136
Ion Ratio Lower Upper
84 100
86 64.4 46.2 85.8
49 118.8 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 45.051 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

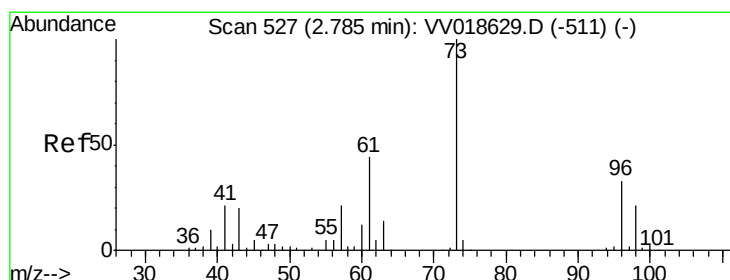
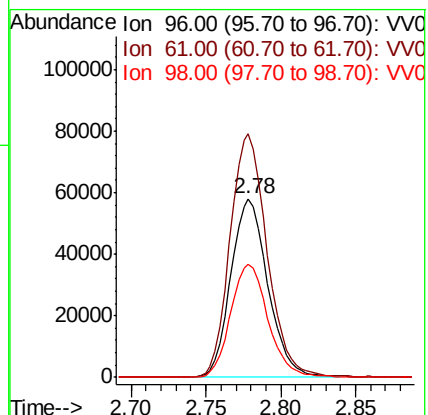
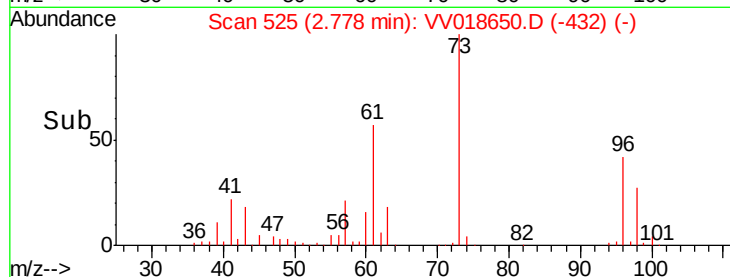
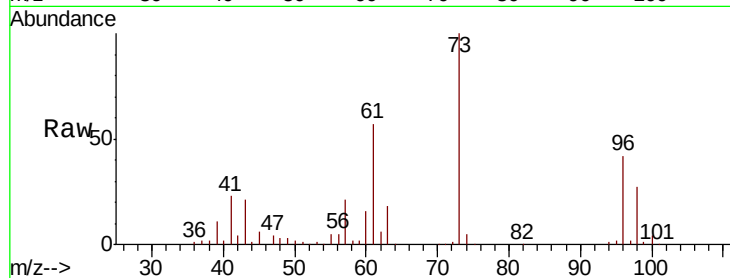
Tot Ion: 96 Resp: 100179

Ion Ratio Lower Upper

96 100

61 136.2 95.0 176.4

98 63.4 44.6 82.8



#18

Methyl tert-butyl Ether

Concen: 46.594 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

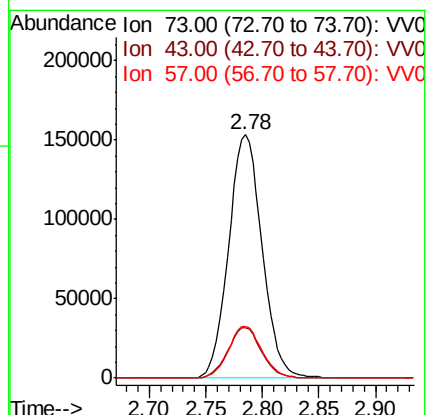
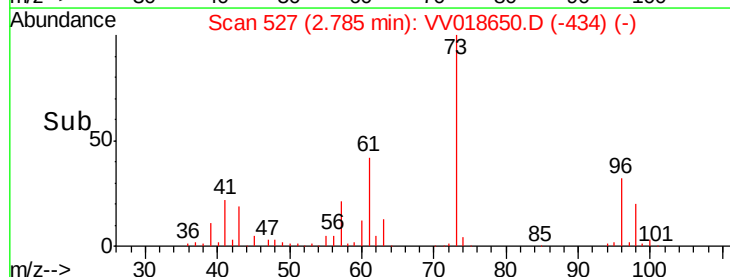
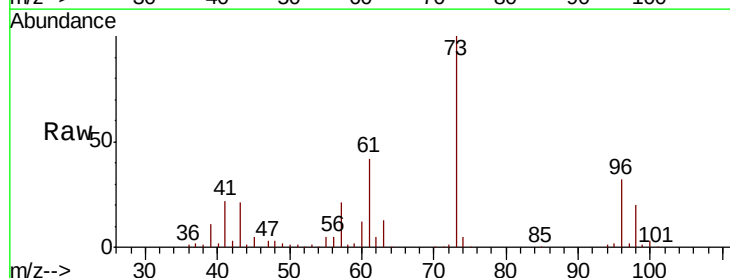
Tgt Ion: 73 Resp: 315680

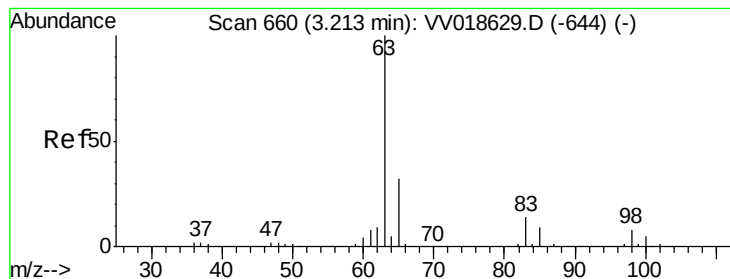
Ion Ratio Lower Upper

73 100

43 20.7 15.9 23.9

57 21.2 17.5 26.3





#19

1,1-Dichloroethane

Concen: 46.613 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampled :

VSTD05068

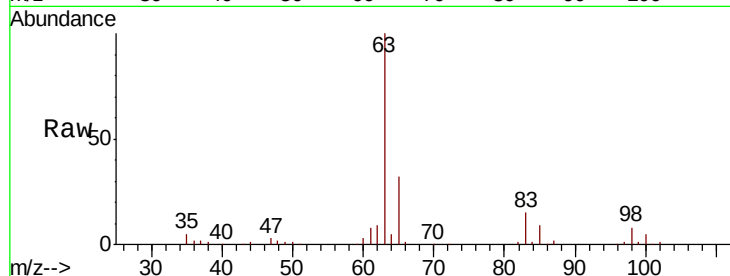
Tot Ion: 63 Resp: 181486

Ion Ratio Lower Upper

63 100

65 32.3 22.3 41.3

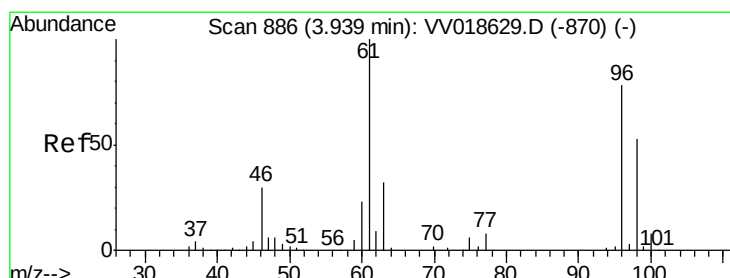
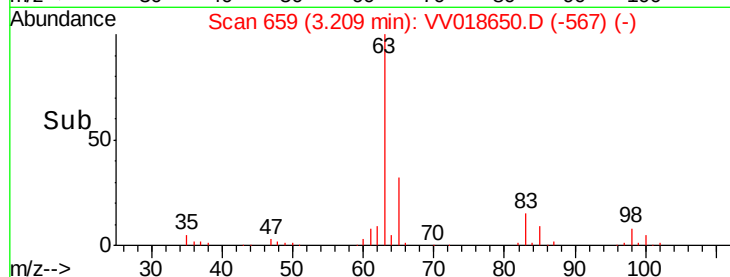
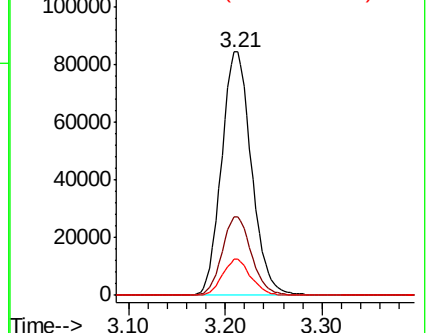
83 14.7 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 46.179 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

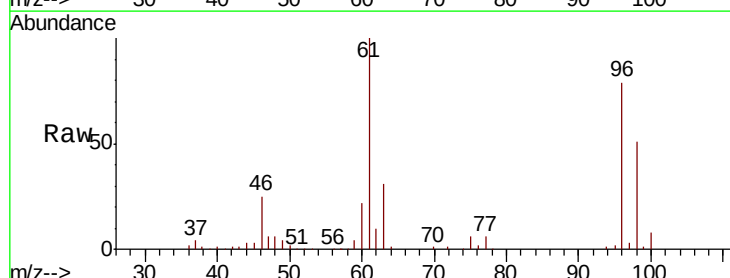
Tgt Ion: 96 Resp: 109131

Ion Ratio Lower Upper

96 100

61 126.1 86.8 161.2

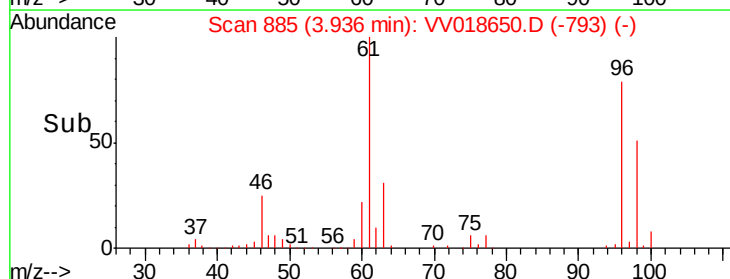
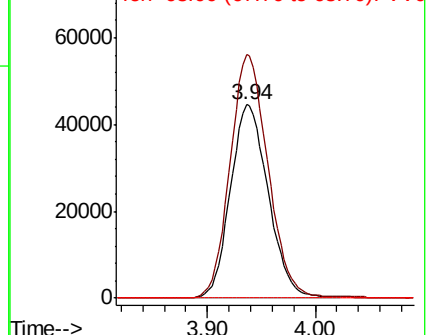
68 0.0 0.0 0.0

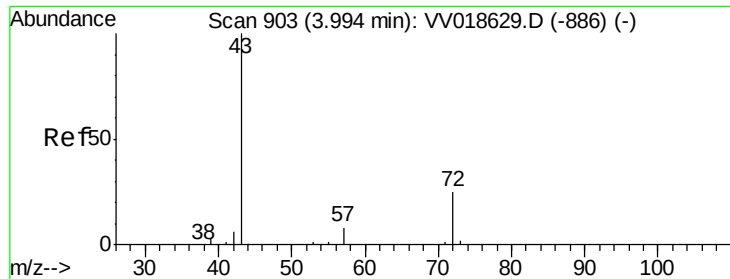


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 91.787 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

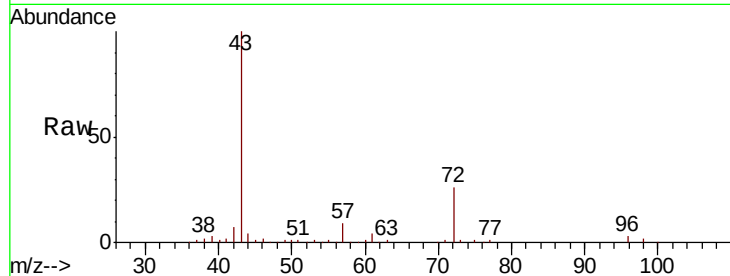
VSTD05068

Tot Ion: 43 Resp: 136426

Ion Ratio Lower Upper

43 100

72 24.2 12.1 36.3

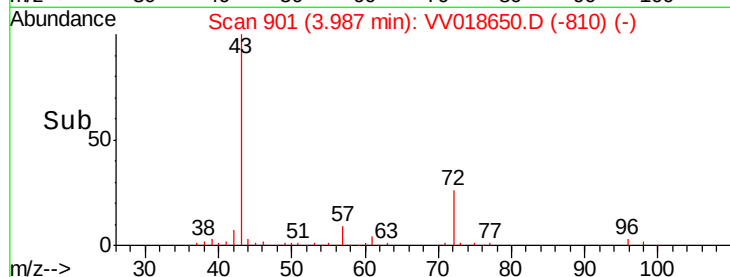


Abundance Ion 43.00 (42.70 to 43.70): VV018629.D (-886) (-)

Ion 72.00 (71.70 to 72.70): VV018629.D (-886) (-)

3.99

Time-->



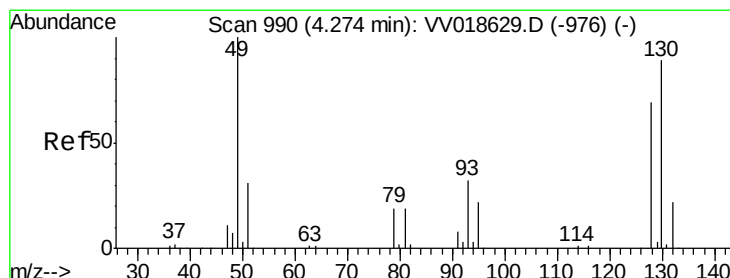
Abundance

Ion 43.00 (42.70 to 43.70): VV018650.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018650.D (-810) (-)

3.99

Time-->



#23

Bromochloromethane

Concen: 47.085 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Tgt Ion: 128 Resp: 61188

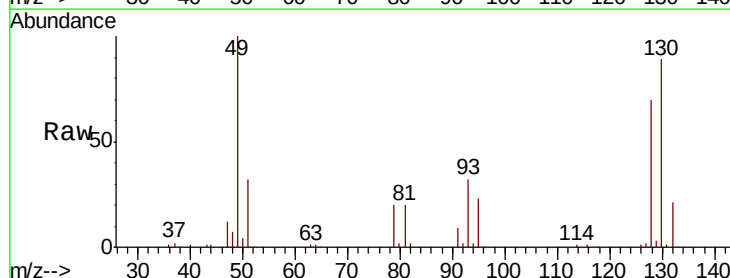
Ion Ratio Lower Upper

128 100

49 142.9 105.1 195.1

130 127.6 90.0 167.2

51 46.1 38.6 57.8



Abundance Ion 128.00 (127.70 to 128.70): VV018629.D (-976) (-)

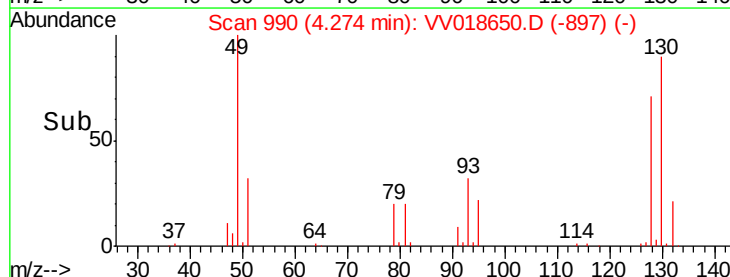
Ion 49.00 (48.70 to 49.70): VV018629.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018629.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018629.D (-976) (-)

4.27

Time-->



Abundance

Ion 128.00 (127.70 to 128.70): VV018650.D (-897) (-)

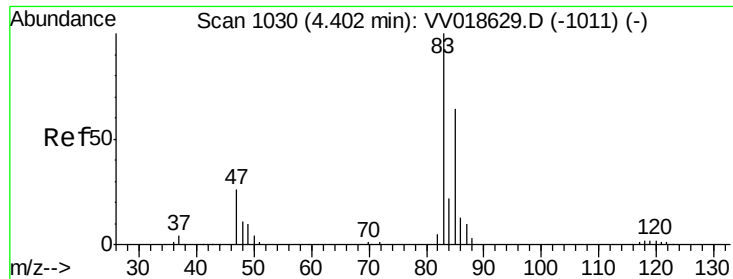
Ion 49.00 (48.70 to 49.70): VV018650.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018650.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018650.D (-897) (-)

4.27

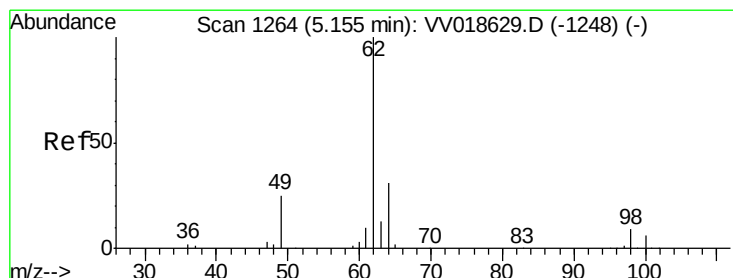
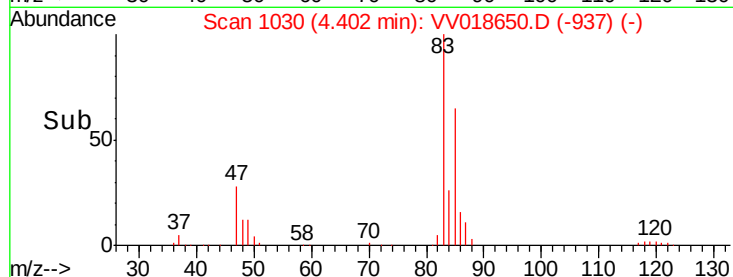
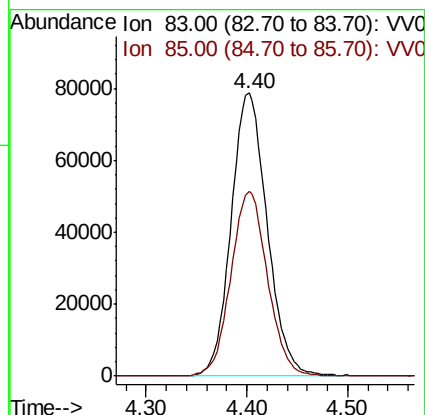
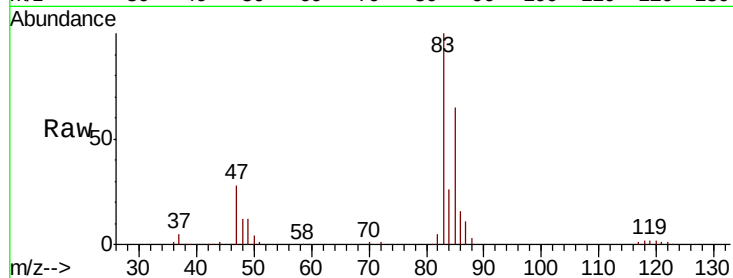
Time-->



#25
Chloroform
Concen: 47.633 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018650.D
Acq: 03 Oct 2020 01:06

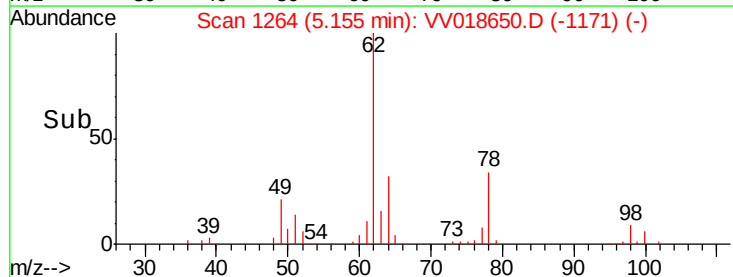
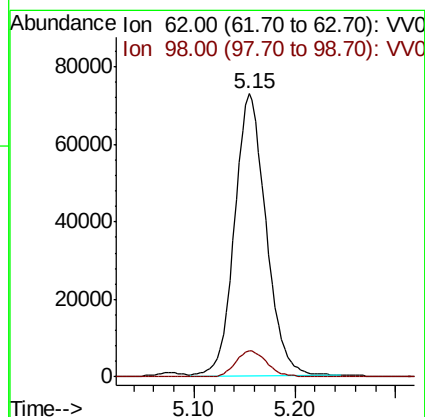
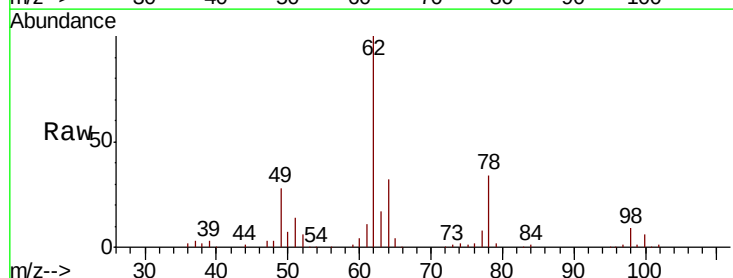
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

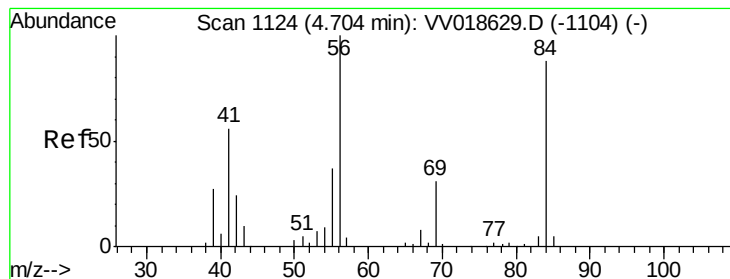
Tot Ion: 83 Resp: 195827
Ion Ratio Lower Upper
83 100
85 65.2 46.2 85.8



#27
1,2-Dichloroethane
Concen: 49.379 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018650.D
Acq: 03 Oct 2020 01:06

Tgt Ion: 62 Resp: 158229
Ion Ratio Lower Upper
62 100
98 9.3 7.7 11.5





#29

Cyclohexane

Concen: 41.713 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

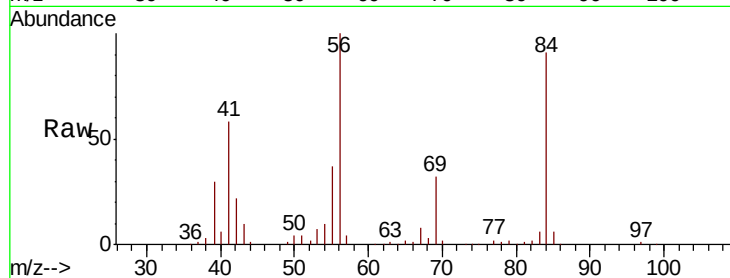
Tot Ion: 56 Resp: 147090

Ion Ratio Lower Upper

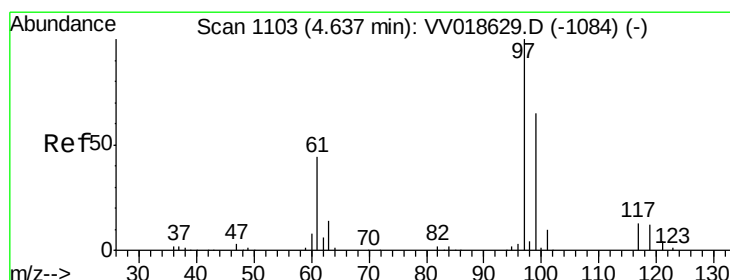
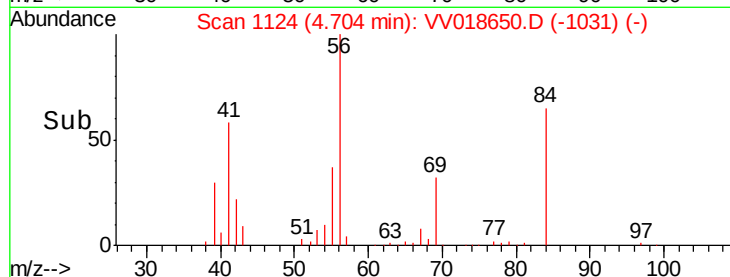
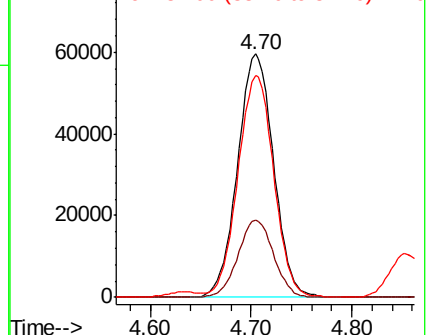
56 100

69 31.4 24.8 37.2

84 91.0 72.2 108.4



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 47.053 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

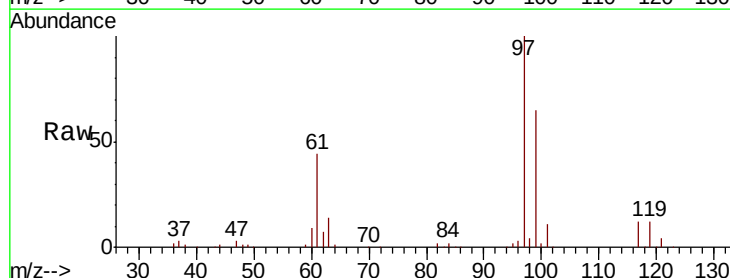
Tgt Ion: 97 Resp: 180605

Ion Ratio Lower Upper

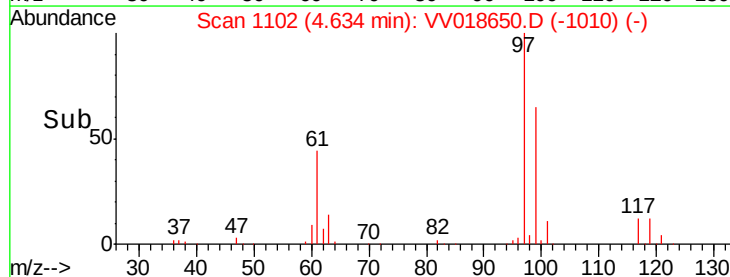
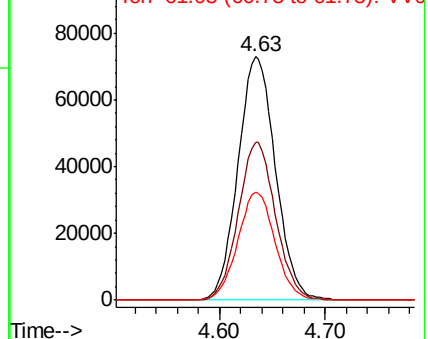
97 100

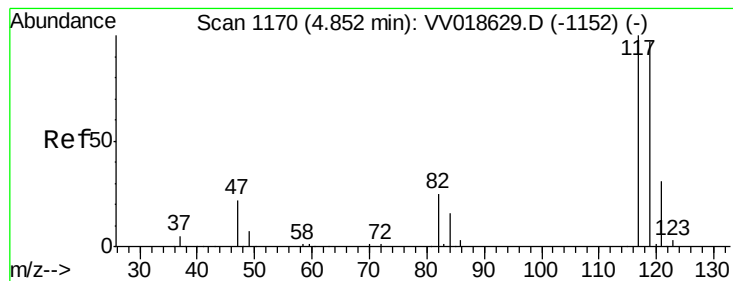
99 64.3 51.4 77.0

61 44.2 33.9 50.9



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 46.734 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

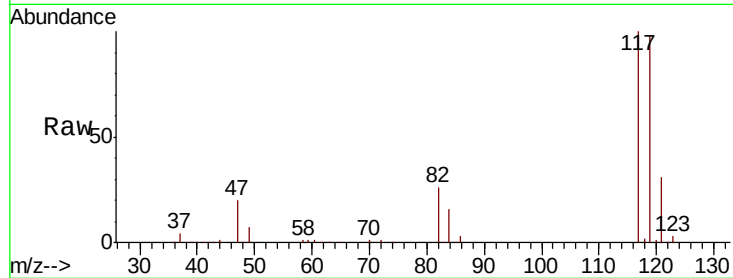
VSTD05068

Tot Ion:117 Resp: 160989

Ion Ratio Lower Upper

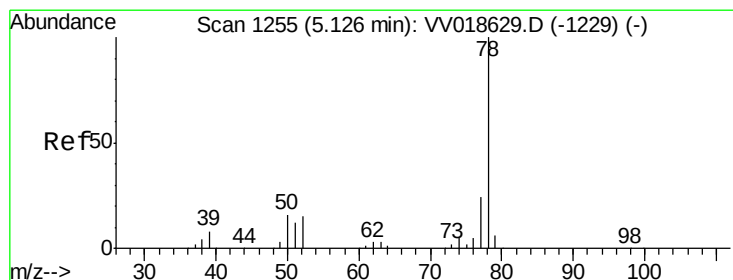
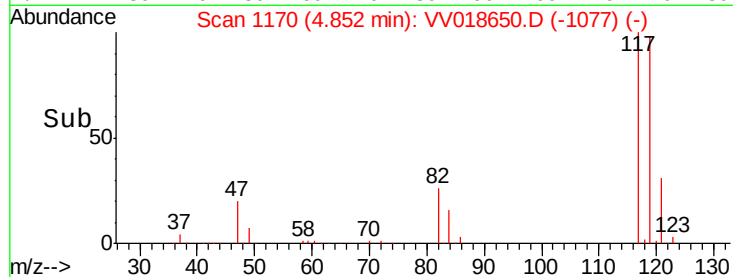
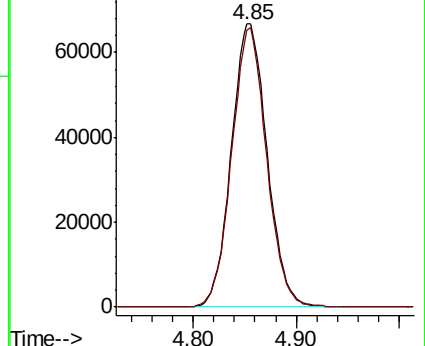
117 100

119 96.0 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 44.709 ug/L

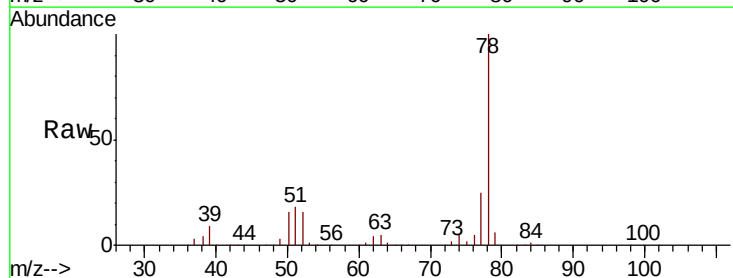
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

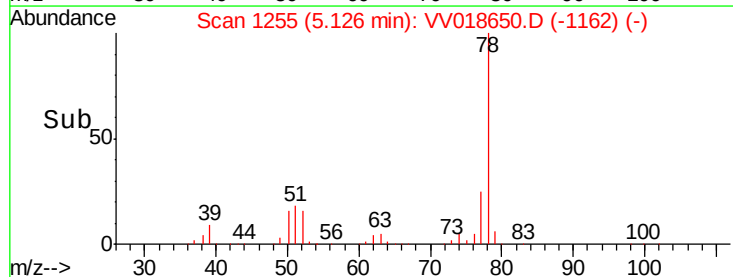
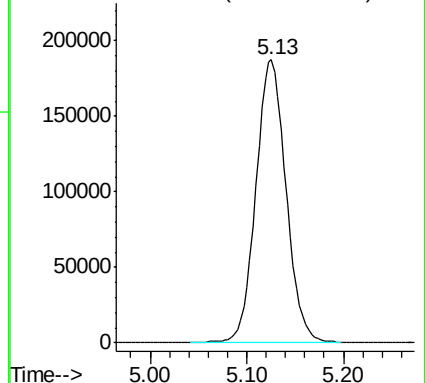
Lab File: VV018650.D

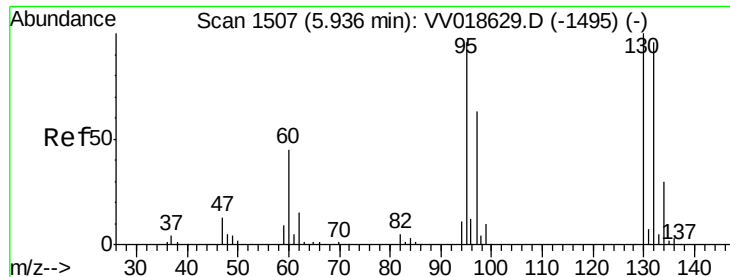
Acq: 03 Oct 2020 01:06

Tgt Ion: 78 Resp: 406099



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 44.996 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tot Ion: 95 Resp: 118655

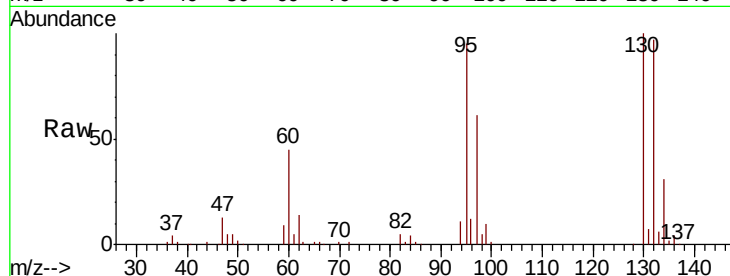
Ion Ratio Lower Upper

95 100

97 64.0 45.9 85.3

132 101.9 70.8 131.4

130 105.2 75.3 139.8

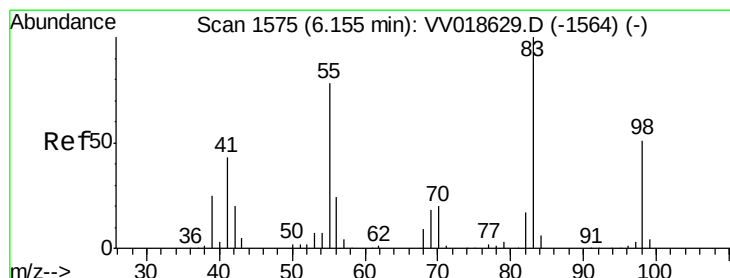
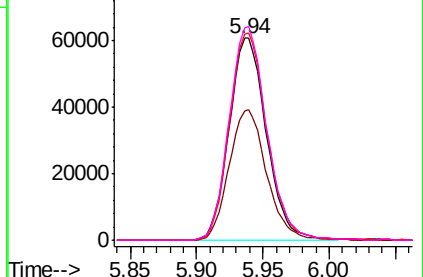
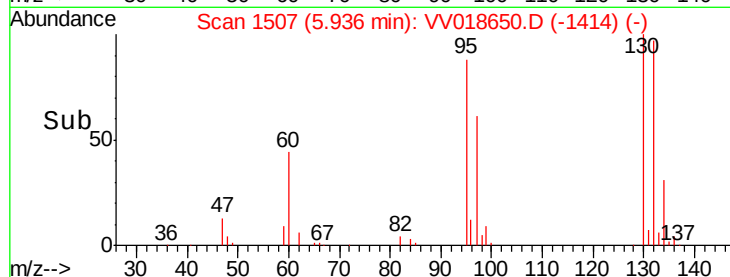


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 39.479 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

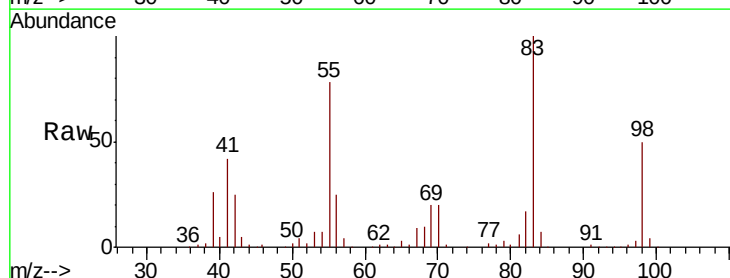
Tgt Ion: 83 Resp: 140439

Ion Ratio Lower Upper

83 100

55 75.8 60.1 90.1

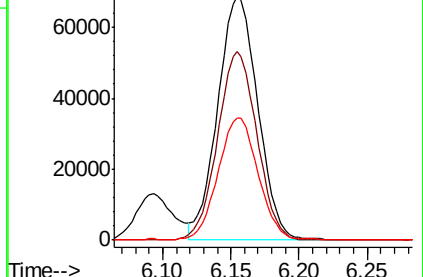
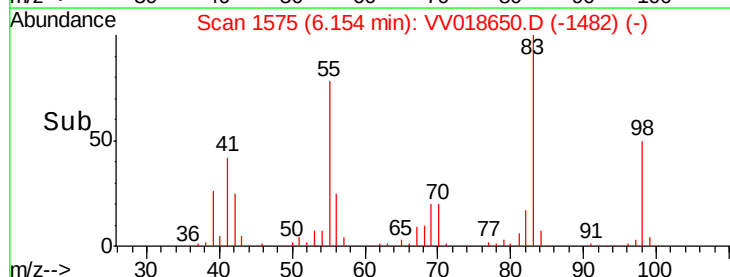
98 50.3 40.2 60.4

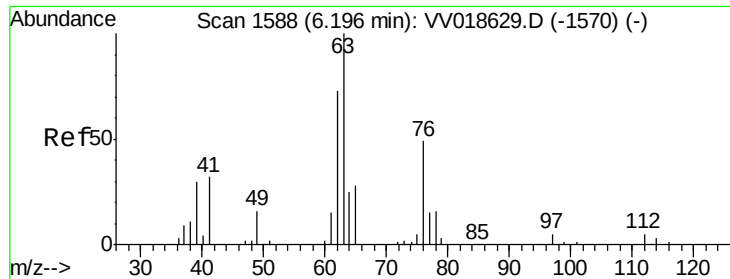


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

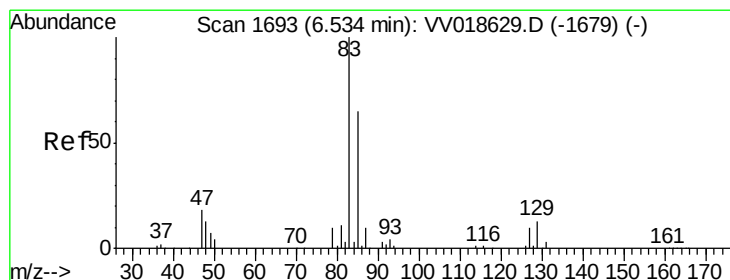
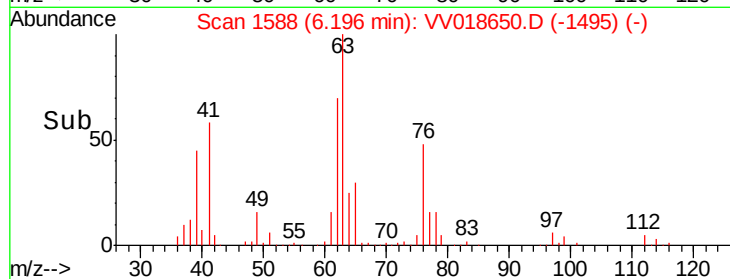
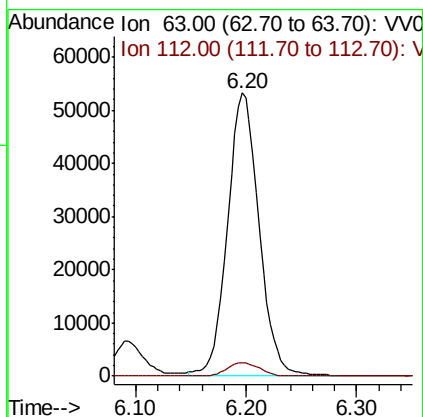
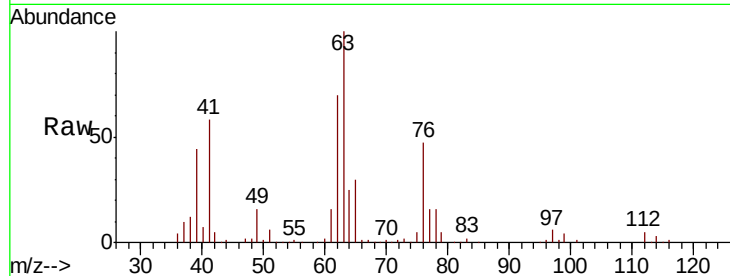




#37
 1,2-Dichloropropane
 Concen: 44.742 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

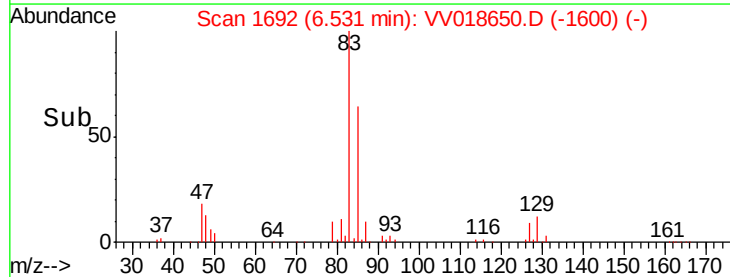
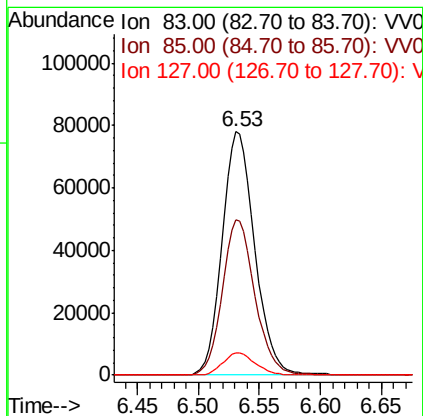
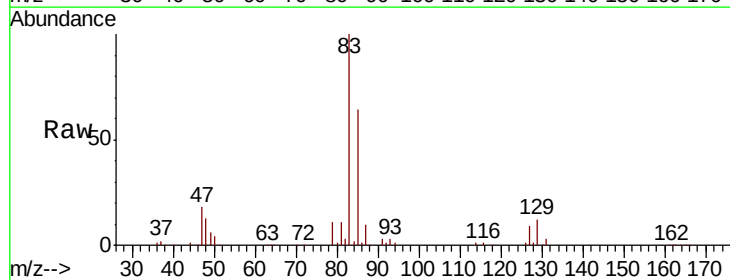
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

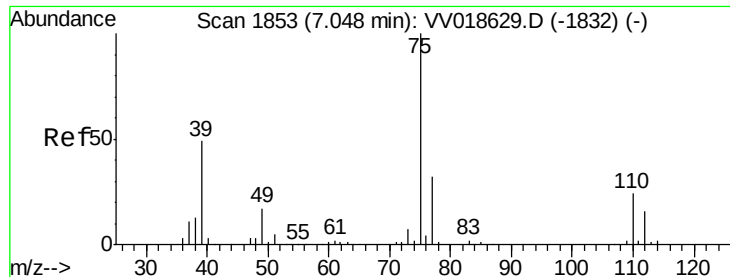
Tot Ion: 63 Resp: 104266
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 46.880 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Tgt Ion: 83 Resp: 146310
 Ion Ratio Lower Upper
 83 100
 85 63.6 44.5 82.7
 127 9.1 7.2 10.8

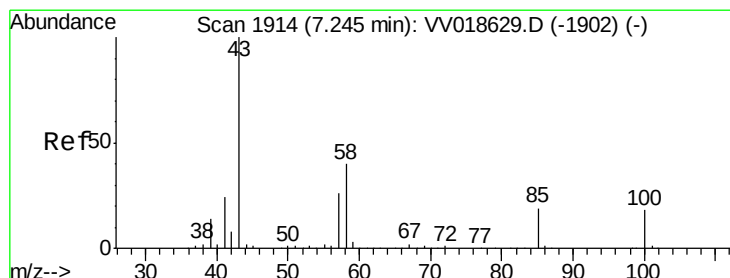
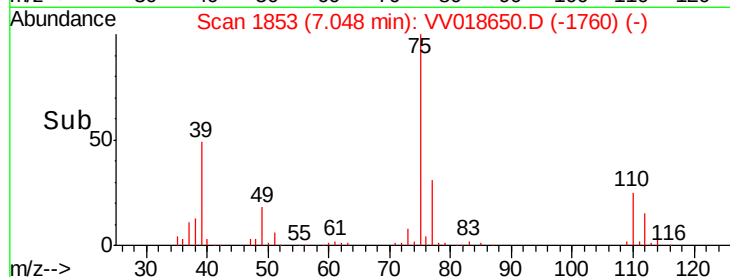
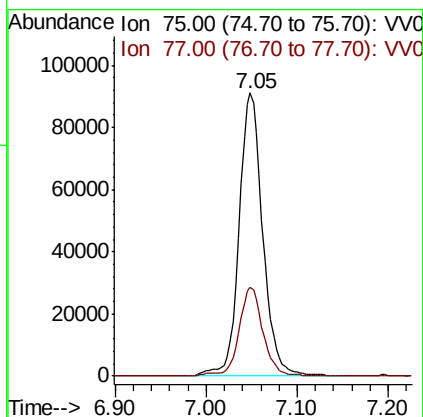
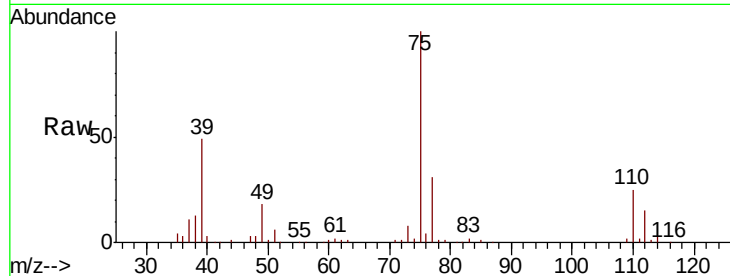




#39
 cis-1,3-Dichloropropene
 Concen: 45.036 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

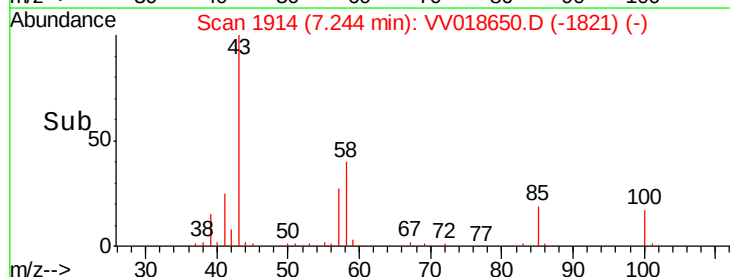
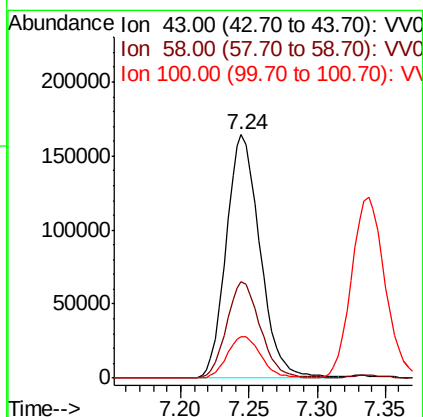
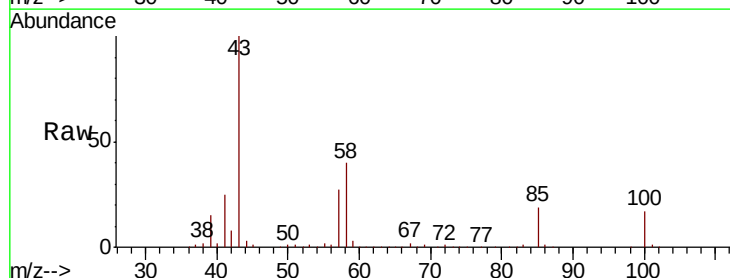
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

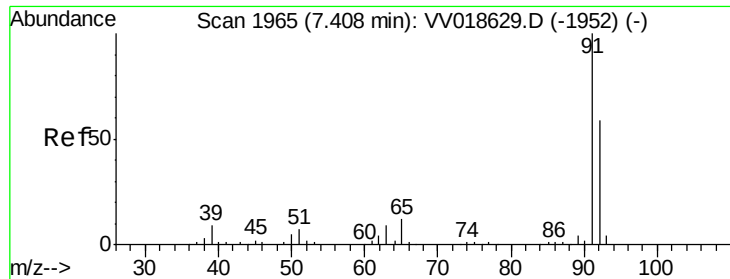
Tot Ion: 75 Resp: 164666
 Ion Ratio Lower Upper
 75 100
 77 31.4 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 94.251 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Tgt Ion: 43 Resp: 283420
 Ion Ratio Lower Upper
 43 100
 58 39.5 31.8 47.6
 100 17.2 13.4 20.0





#42

Toluene

Concen: 45.846 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

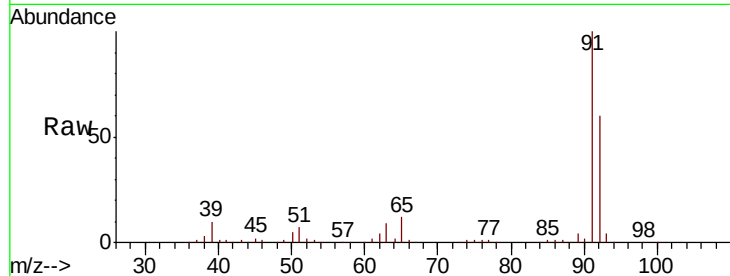
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

Tot Ion: 91 Resp: 450491

Ion Ratio Lower Upper

91 100

92 59.6 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

250000

200000

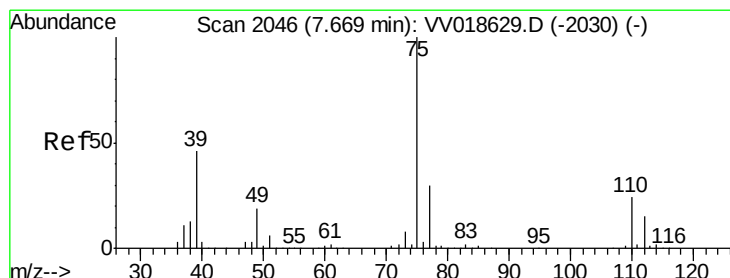
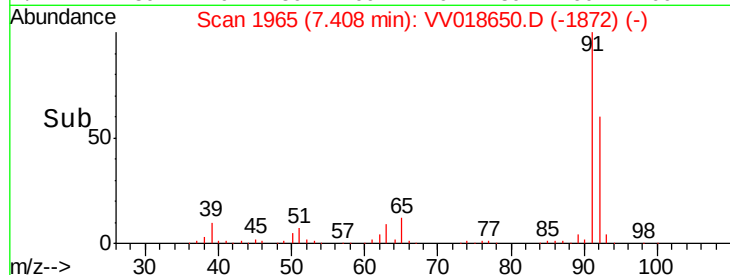
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 45.936 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018650.D

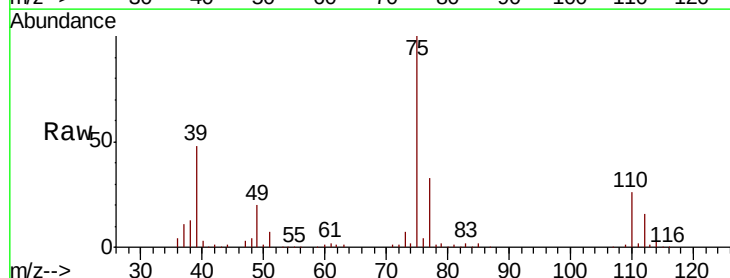
Acq: 03 Oct 2020 01:06

Tgt Ion: 75 Resp: 164985

Ion Ratio Lower Upper

75 100

77 32.5 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

100000

80000

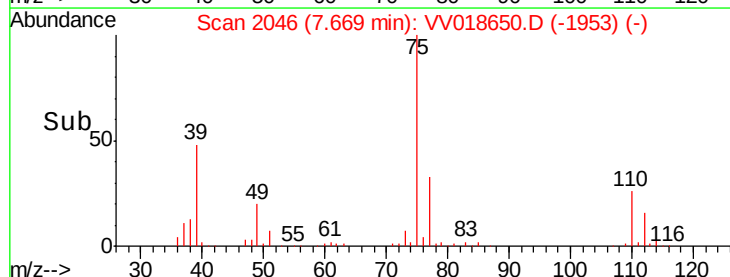
60000

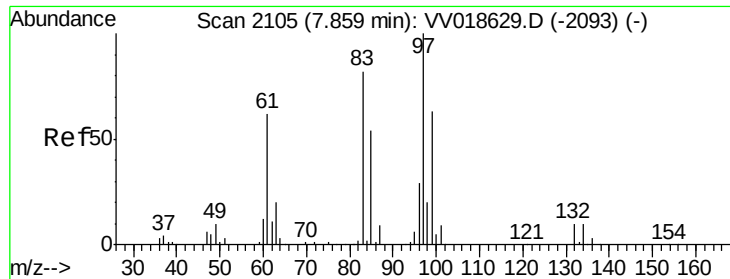
40000

20000

0

Time-->

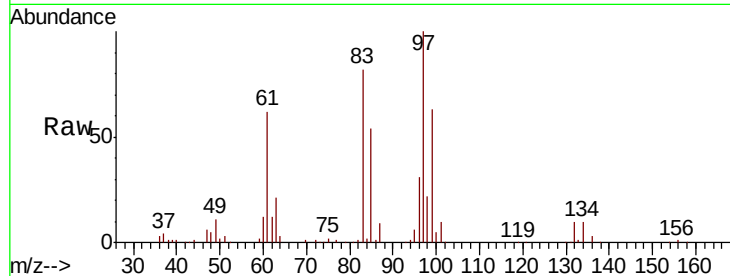




#45
 1,1,2-Trichloroethane
 Concen: 46.489 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tot Ion:	97	Resp:	107247
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.3	80.3
83	82.0	60.5	112.5
85	54.0	38.3	71.1



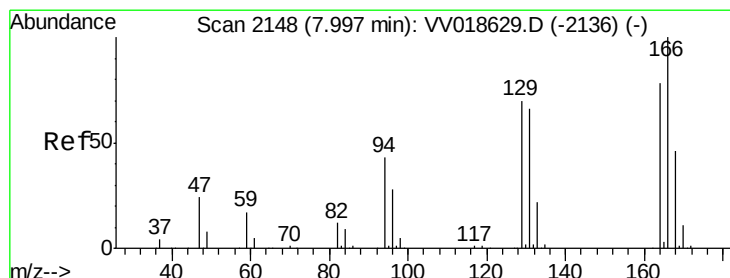
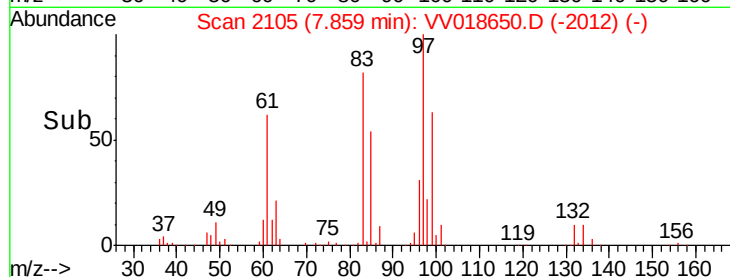
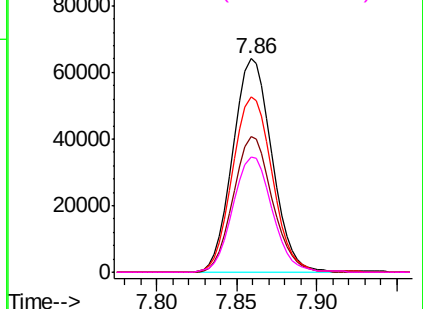
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

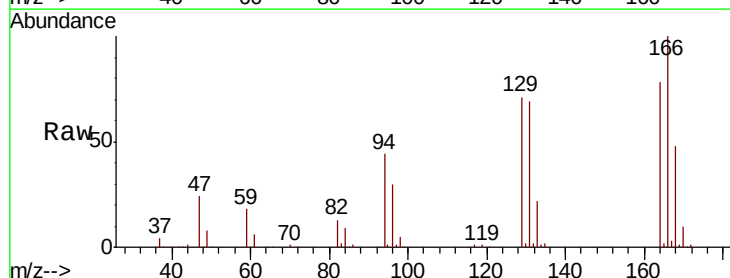
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 43.629 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Tgt Ion:	164	Resp:	93338
Ion	Ratio	Lower	Upper
164	100		
129	91.6	62.8	116.6
131	88.9	60.8	112.8
166	128.3	88.9	165.1



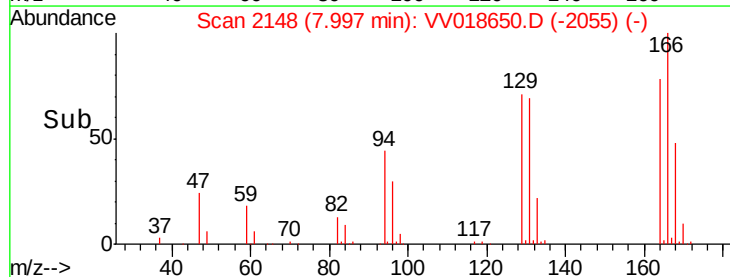
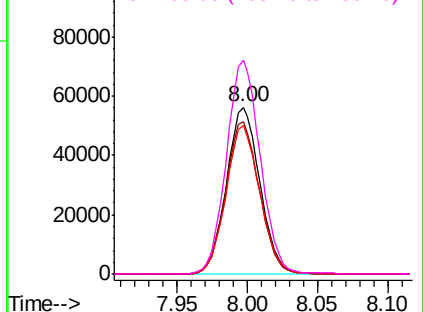
Abundance

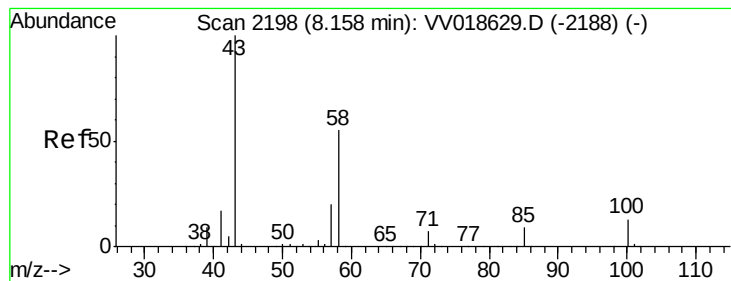
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V





#48

2-Hexanone

Concen: 92.634 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

Tot Ion: 43 Resp: 217341

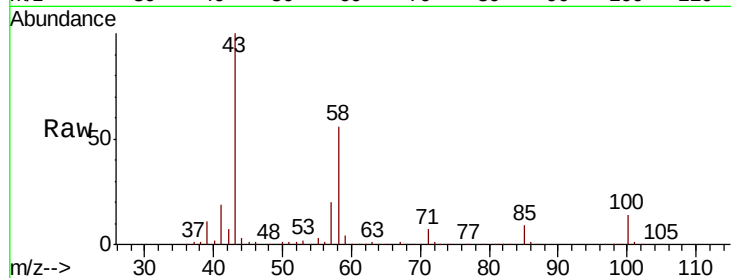
Ion Ratio Lower Upper

43 100

58 55.8 45.1 67.7

57 19.6 15.7 23.5

100 13.9 11.0 16.4

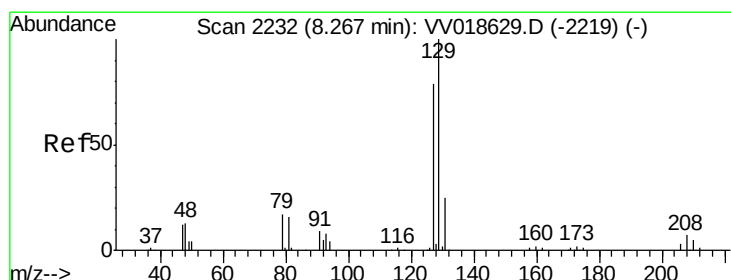
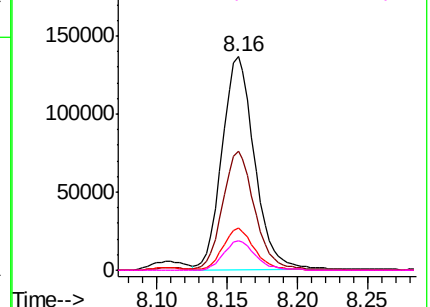
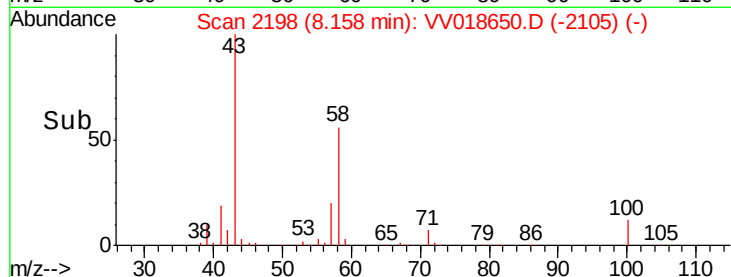


Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0



#49

Dibromochloromethane

Concen: 47.417 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018650.D

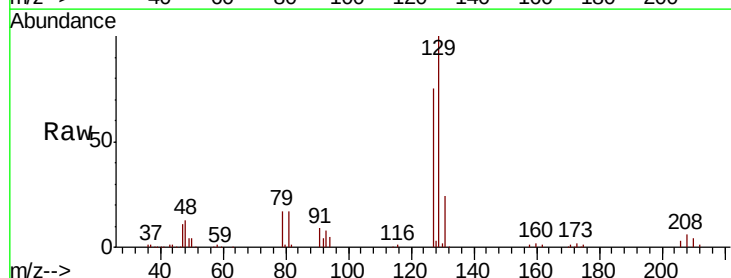
Acq: 03 Oct 2020 01:06

Tgt Ion: 129 Resp: 125116

Ion Ratio Lower Upper

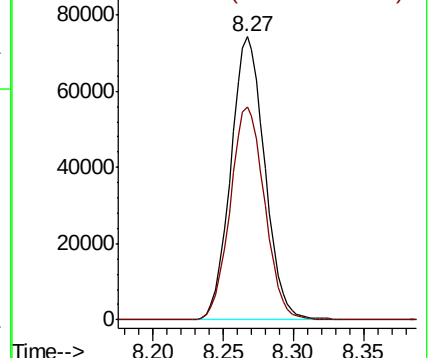
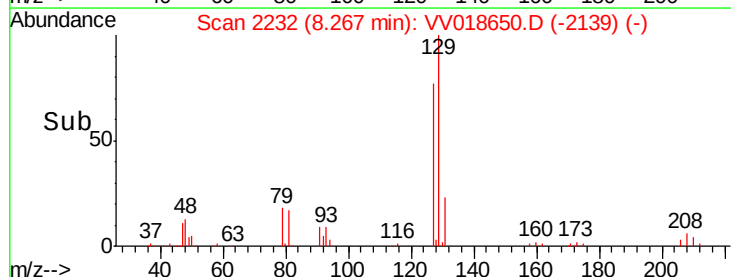
129 100

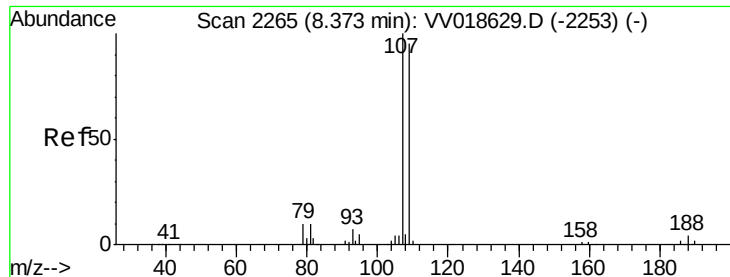
127 75.4 54.1 100.5



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

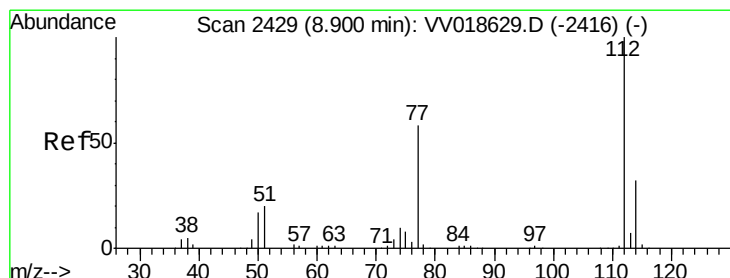
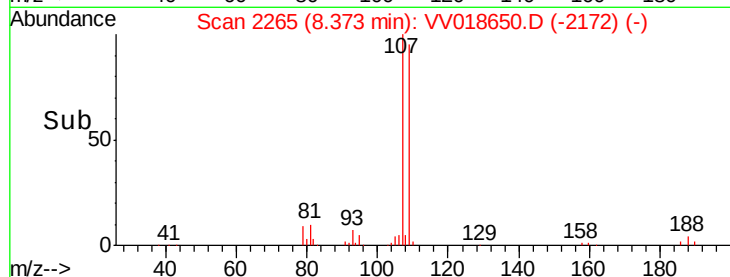
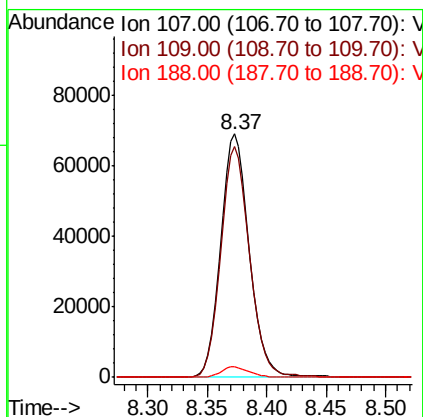
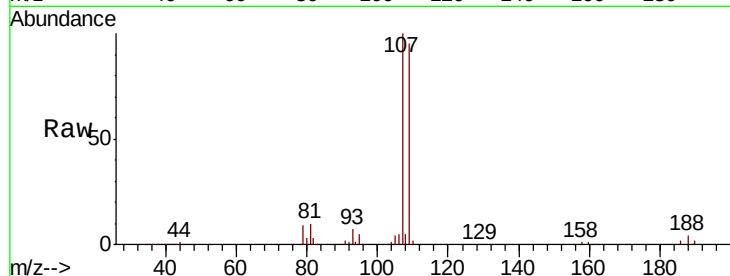




#50
1,2-Dibromoethane
Concen: 46.725 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018650.D
Acq: 03 Oct 2020 01:06

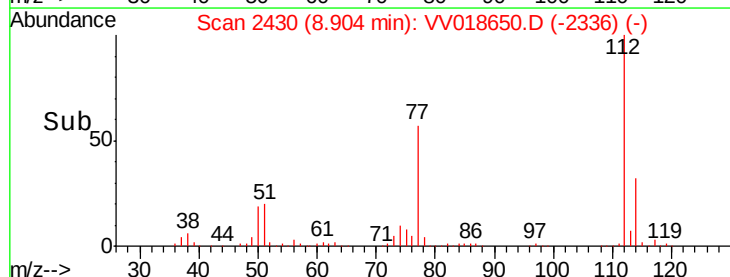
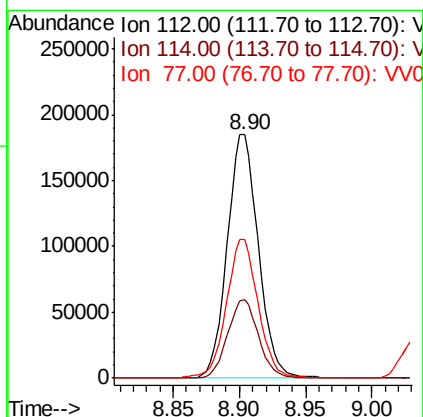
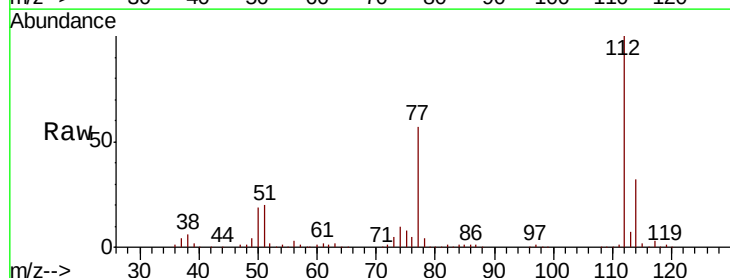
Instrument :
MSVOA_V
ClientSampleId :
VSTD05068

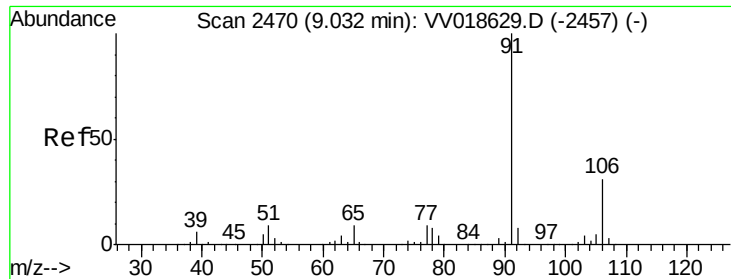
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.0	65.1	120.9
188	4.3	3.7	5.5



#51
Chlorobenzene
Concen: 45.329 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018650.D
Acq: 03 Oct 2020 01:06

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.4	41.6
77	56.7	44.8	67.2





#52

Ethylbenzene

Concen: 45.509 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

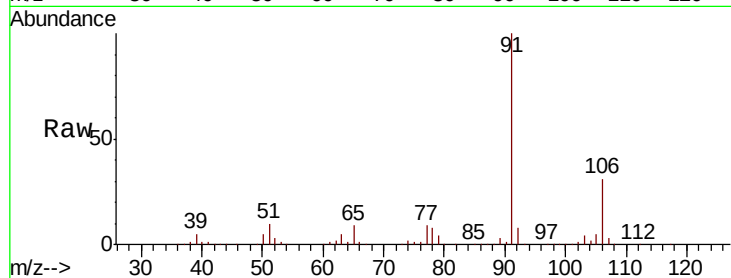
VSTD05068

Tot Ion: 91 Resp: 499395

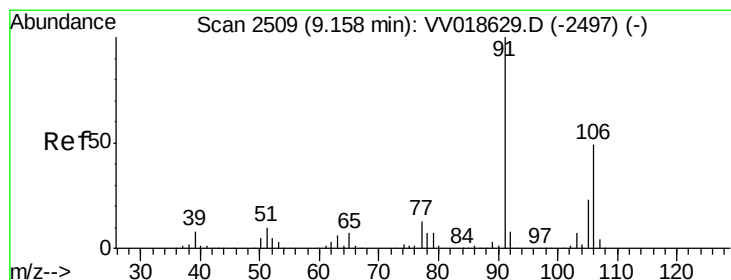
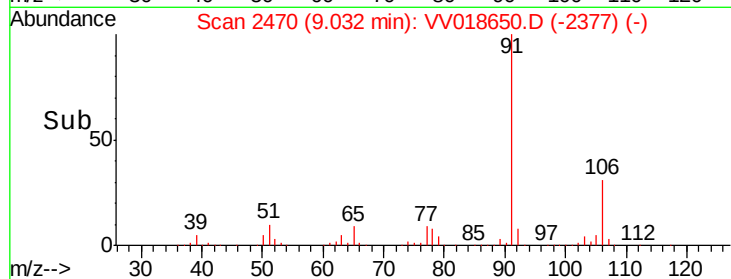
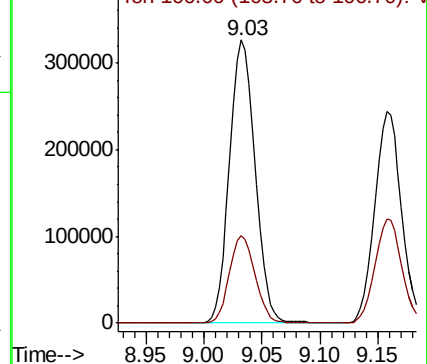
Ion Ratio Lower Upper

91 100

106 30.9 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018650.D (-2377) (-)



#53

m,p-Xylene

Concen: 45.437 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018650.D

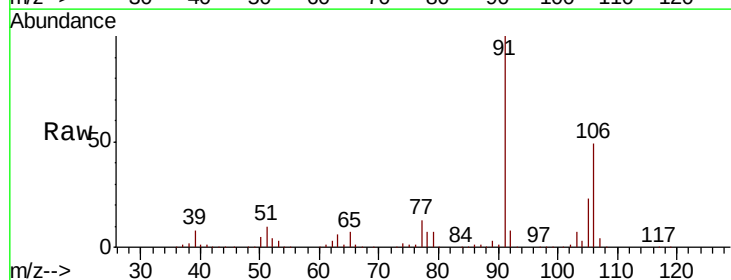
Acq: 03 Oct 2020 01:06

Tgt Ion: 106 Resp: 192691

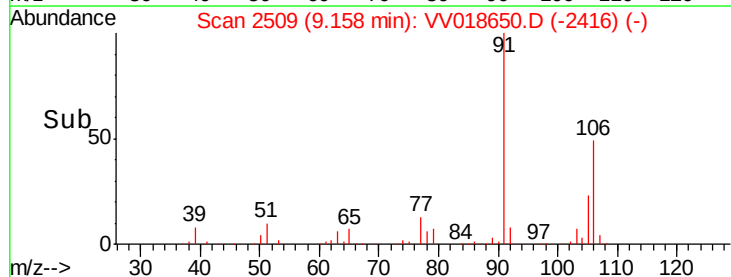
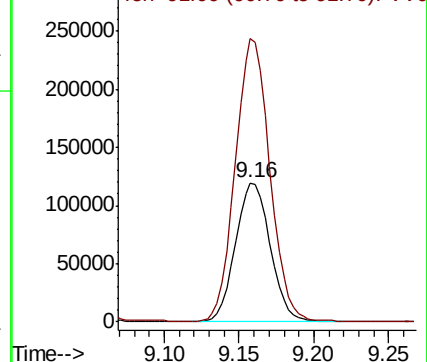
Ion Ratio Lower Upper

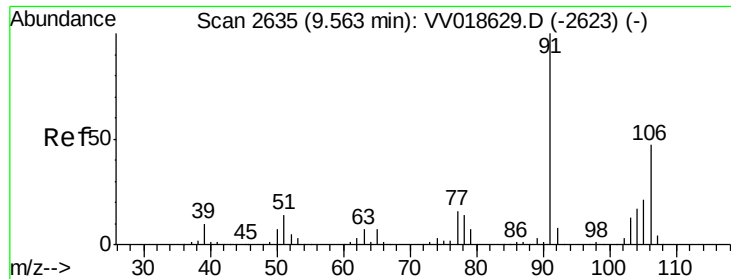
106 100

91 203.8 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018650.D (-2416) (-)





#54

o-xylene

Concen: 50.232 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

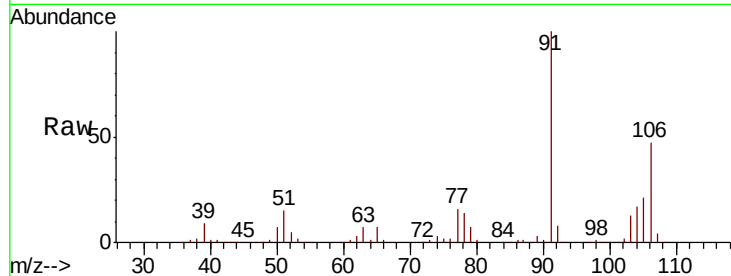
VSTD05068

Tot Ion:106 Resp: 201686

Ion Ratio Lower Upper

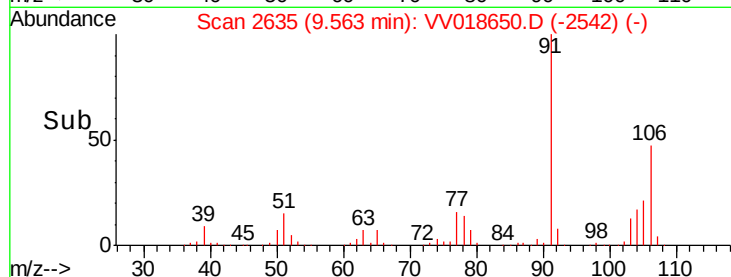
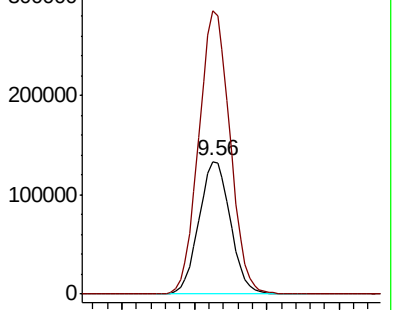
106 100

91 213.2 151.0 280.4

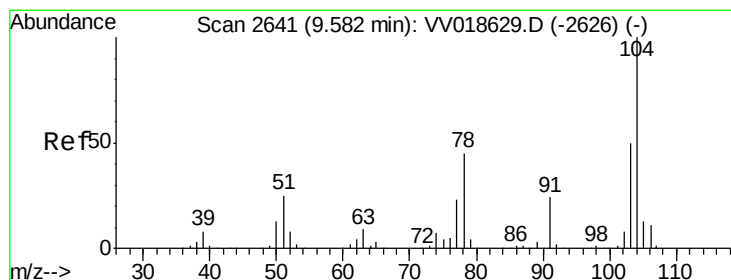


Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



Time-->



#55

Styrene

Concen: 52.037 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018650.D

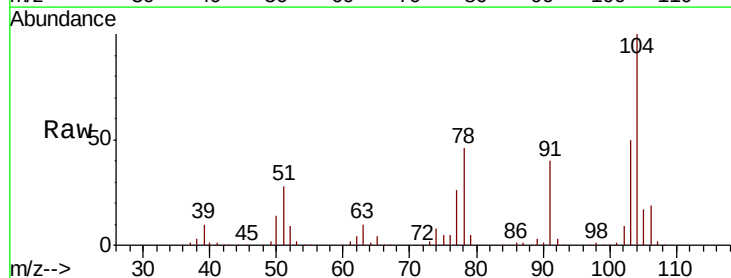
Acq: 03 Oct 2020 01:06

Tgt Ion:104 Resp: 363799

Ion Ratio Lower Upper

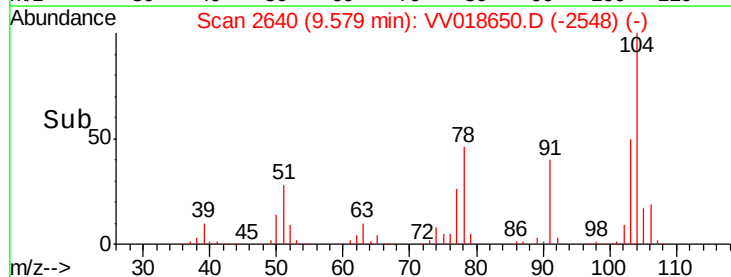
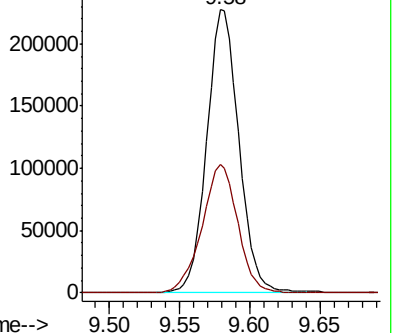
104 100

78 45.6 30.2 56.2

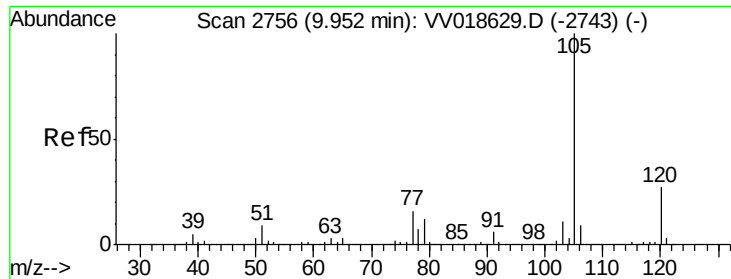


Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0



Time-->



#56

Isopropylbenzene

Concen: 51.881 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

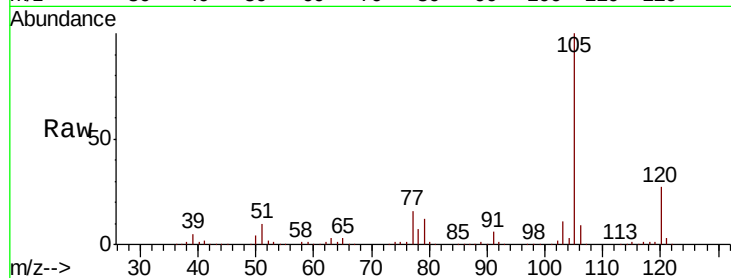
Tot Ion:105 Resp: 558660

Ion Ratio Lower Upper

105 100

120 27.0 21.5 32.3

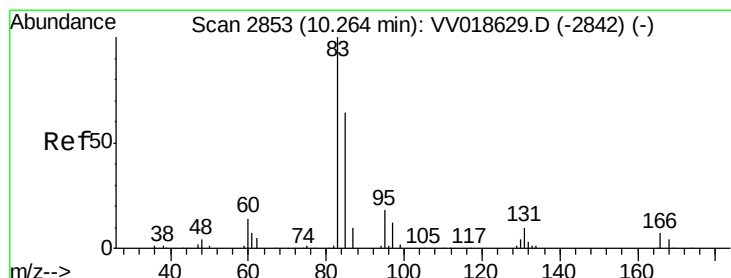
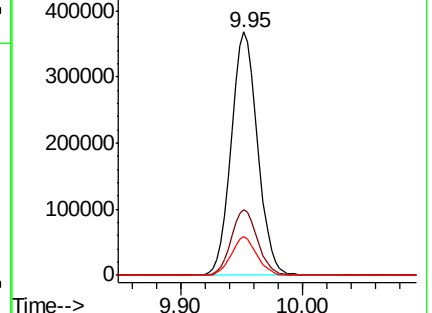
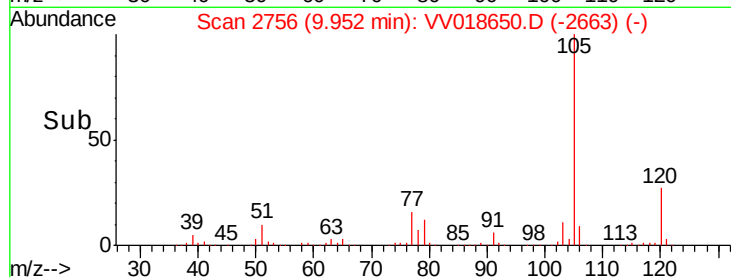
77 15.4 12.2 18.2



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: 49.693 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

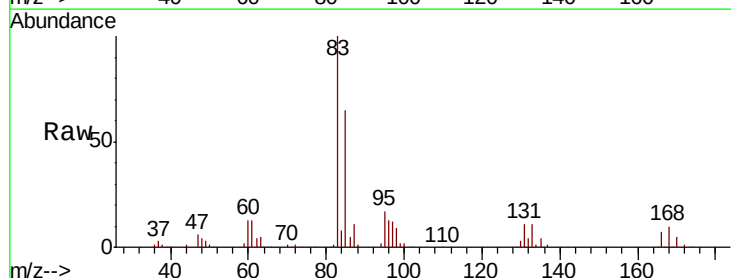
Tgt Ion: 83 Resp: 161589

Ion Ratio Lower Upper

83 100

85 64.8 44.5 82.7

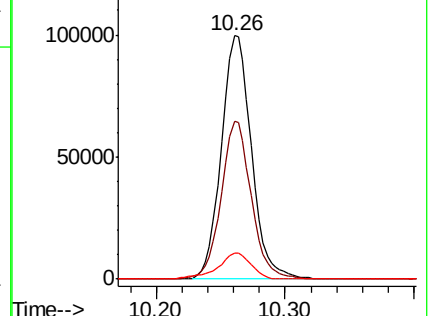
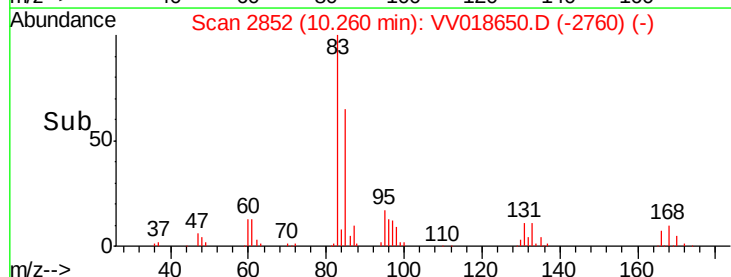
131 10.8 8.6 12.8

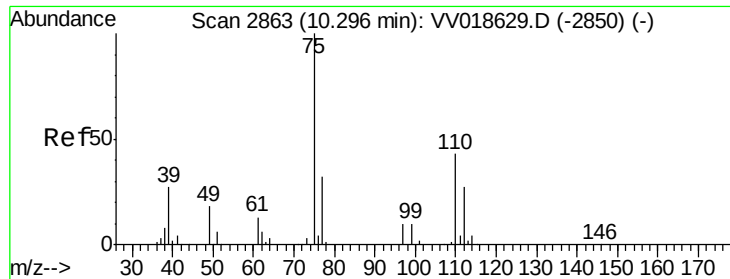


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.280 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

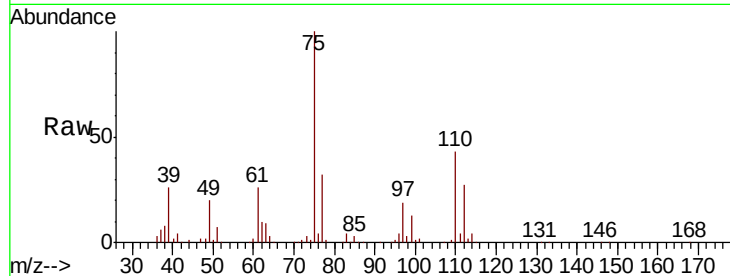
VSTD05068

Tot Ion: 75 Resp: 145358

Ion Ratio Lower Upper

75 100

77 31.9 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018629.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018629.D (-2850) (-)

10.30

100000

80000

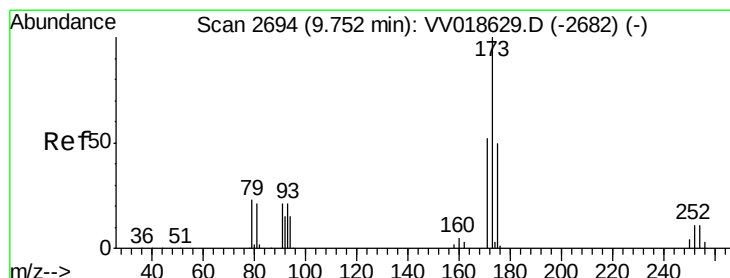
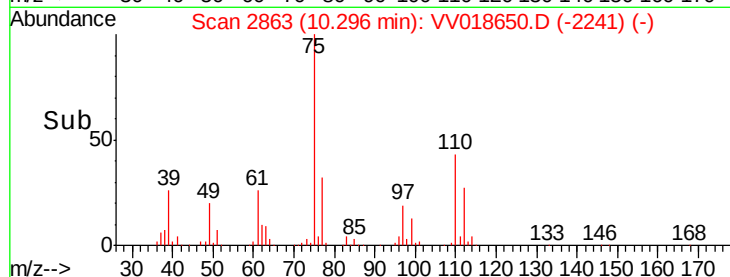
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 49.988 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

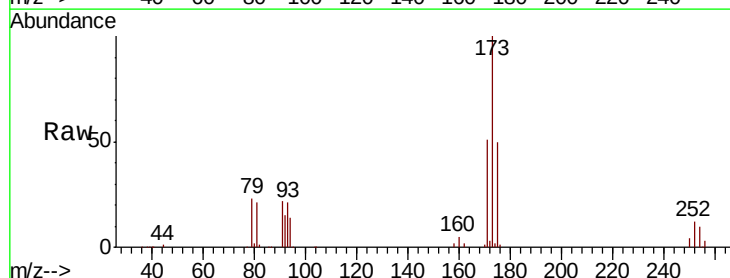
Tgt Ion: 173 Resp: 97859

Ion Ratio Lower Upper

173 100

175 48.9 39.8 59.8

254 10.2 8.5 12.7



Abundance Ion 173.00 (172.70 to 173.70): VV018629.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018629.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018629.D (-2682) (-)

9.75

80000

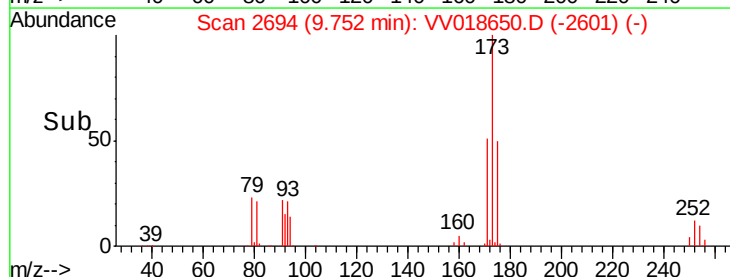
60000

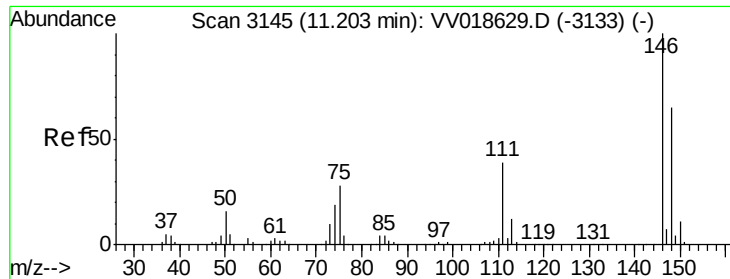
40000

20000

0

Time-->

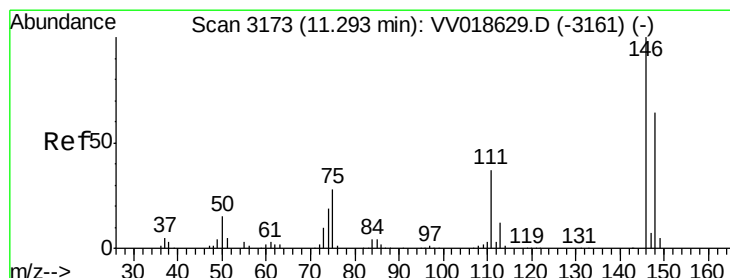
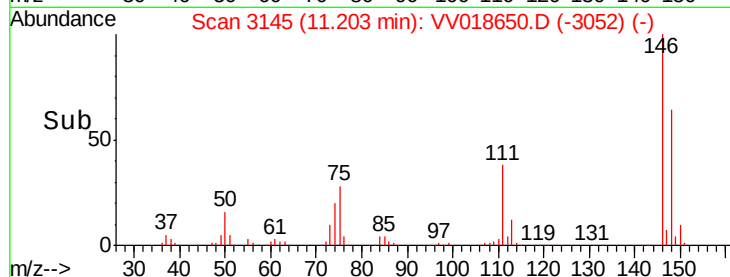
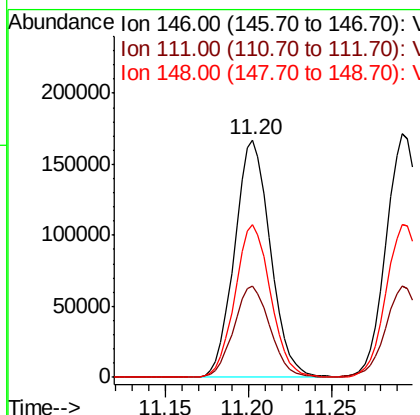
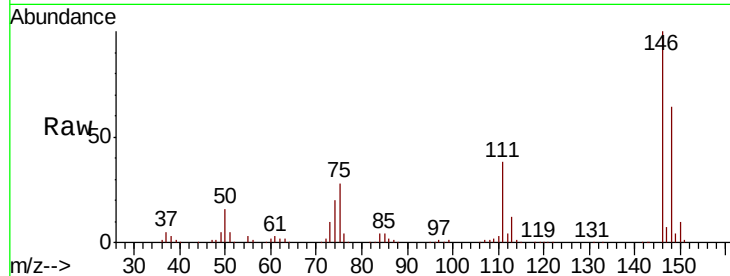




#62
 1,3-Dichlorobenzene
 Concen: 45.501 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

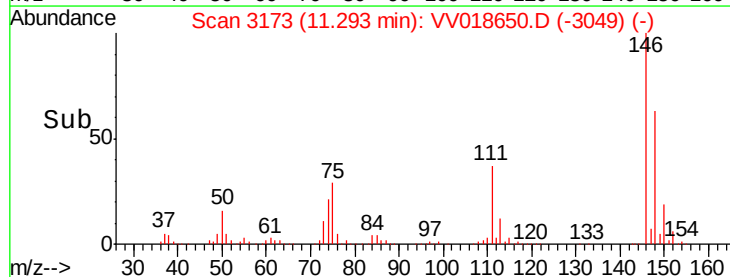
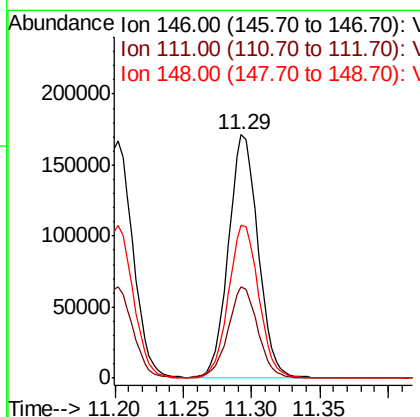
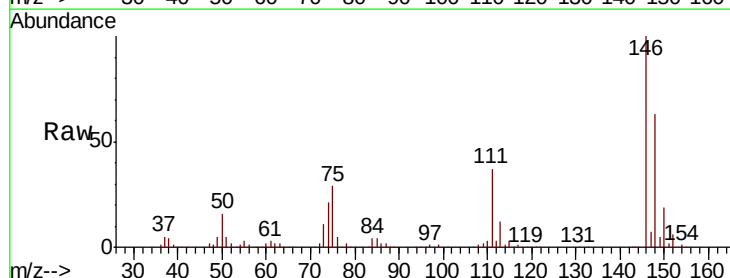
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

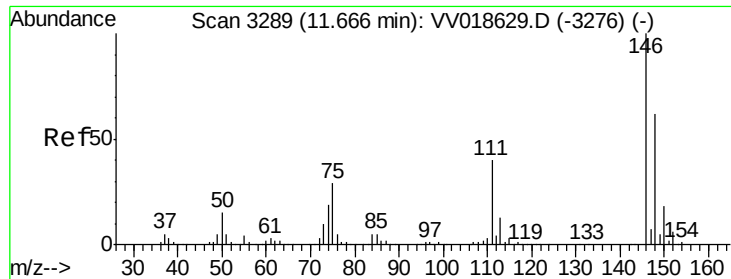
Tot Ion:146 Resp: 250962
 Ion Ratio Lower Upper
 146 100
 111 38.4 26.8 49.8
 148 64.1 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 45.554 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Tgt Ion:146 Resp: 258729
 Ion Ratio Lower Upper
 146 100
 111 37.4 26.2 48.6
 148 62.5 44.4 82.5

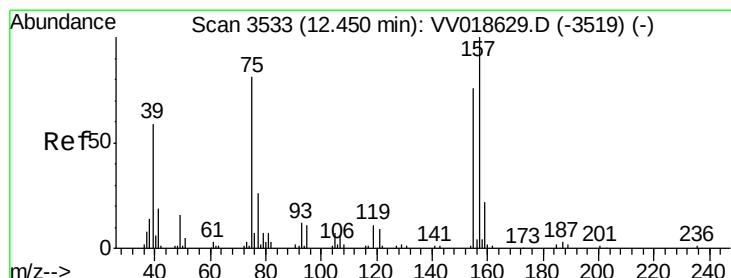
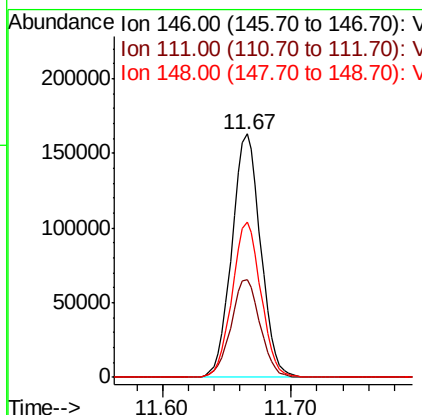
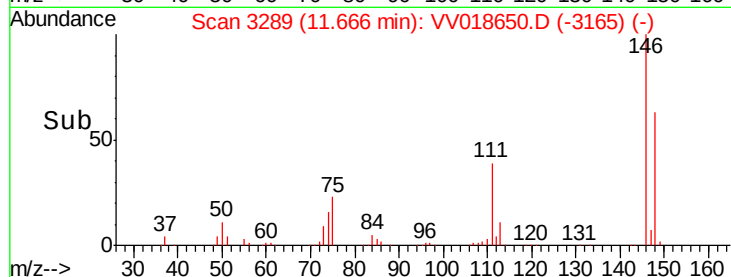
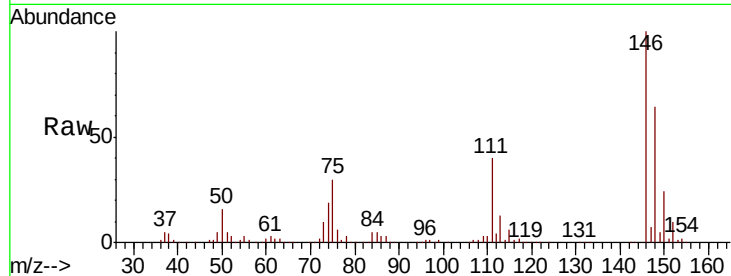




#65
 1,2-Dichlorobenzene
 Concen: 46.260 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

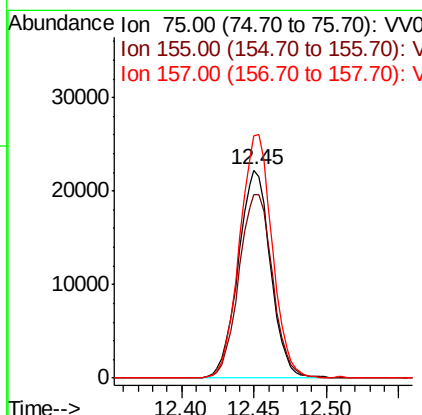
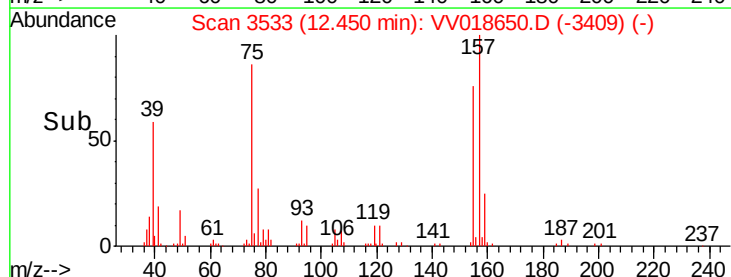
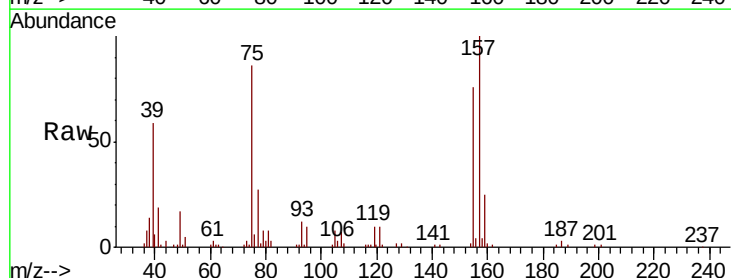
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

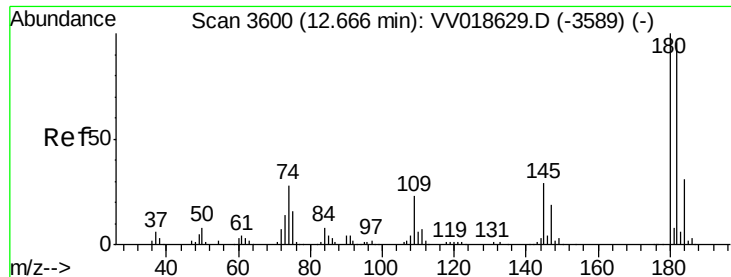
Tot Ion:146 Resp: 252420
 Ion Ratio Lower Upper
 146 100
 111 40.1 32.8 49.2
 148 63.5 51.9 77.9



#66
 1,2-Dibromo-3-chloropropane
 Concen: 46.248 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Tgt Ion: 75 Resp: 34450
 Ion Ratio Lower Upper
 75 100
 155 88.3 73.0 109.6
 157 116.2 95.8 143.6

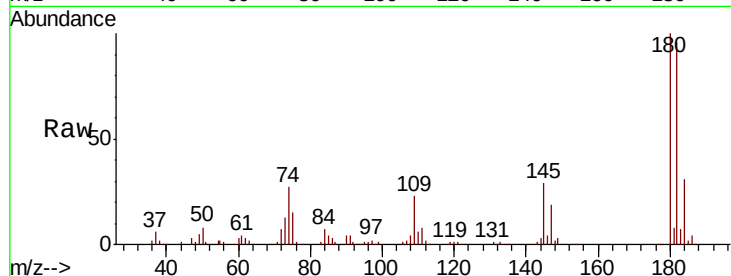




#67
 1,3,5-Trichlorobenzene
 Concen: 41.598 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05068

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	77.1	115.7
184	30.7	24.3	36.5
145	29.6	22.9	34.3



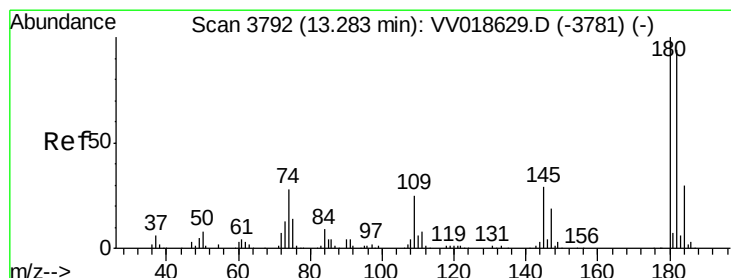
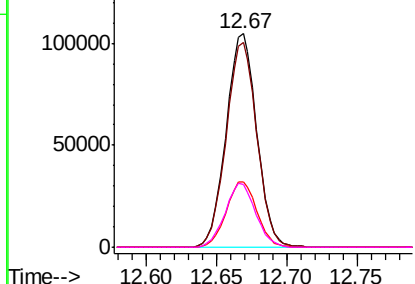
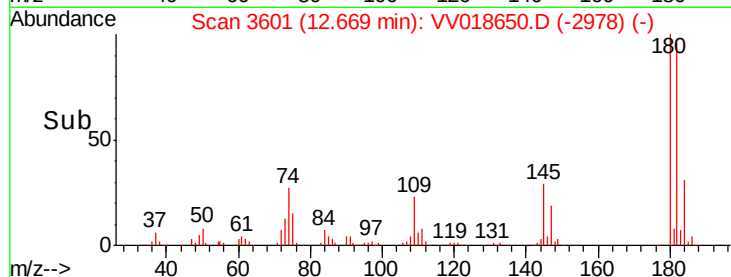
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

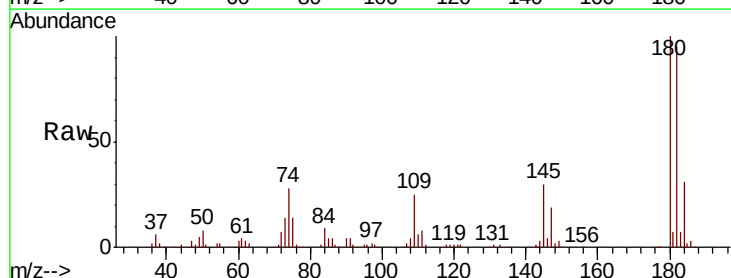
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 43.311 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018650.D
 Acq: 03 Oct 2020 01:06

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.3	114.5
145	30.1	23.6	35.4

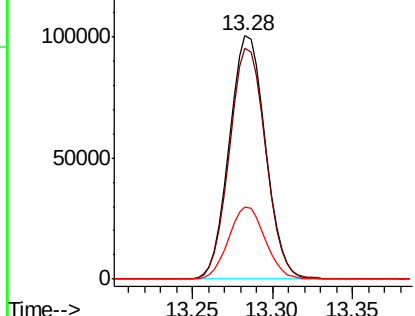
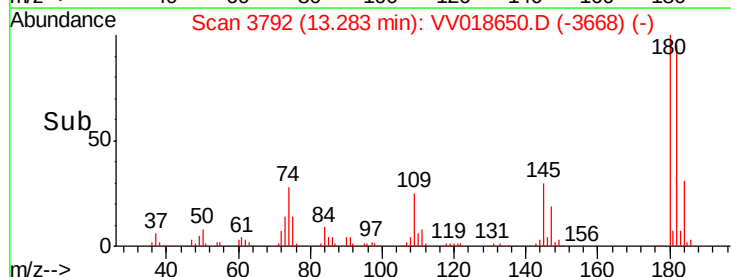


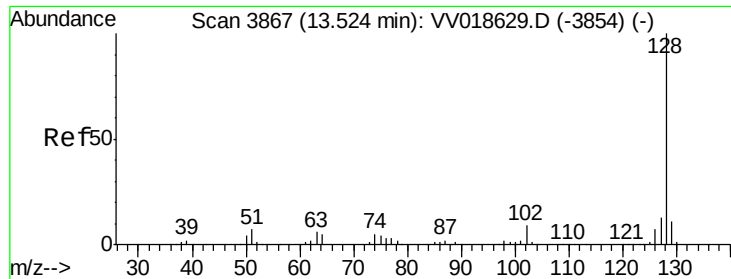
Abundance

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: 47.913 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05068

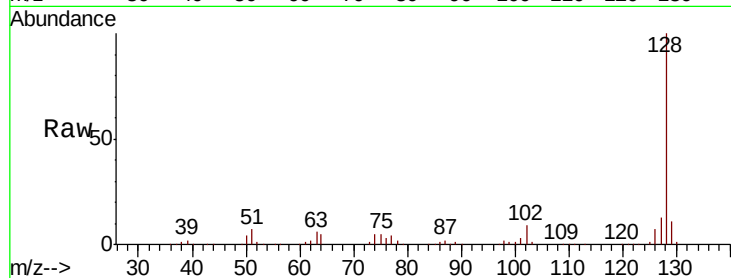
Tot Ion:128 Resp: 487608

Ion Ratio Lower Upper

128 100

127 13.2 10.3 15.5

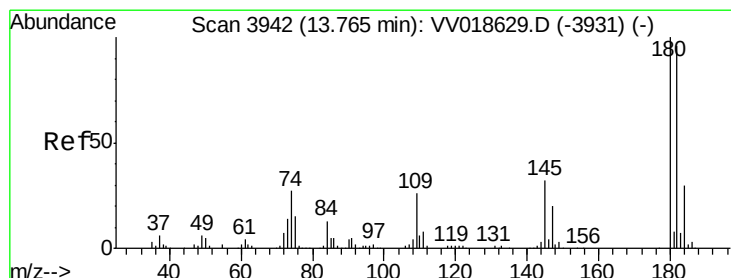
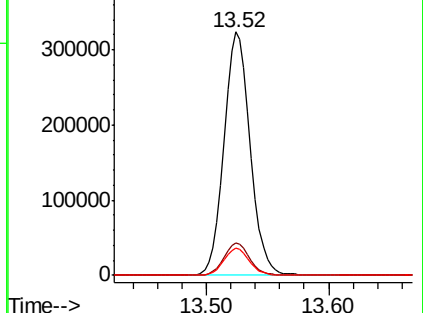
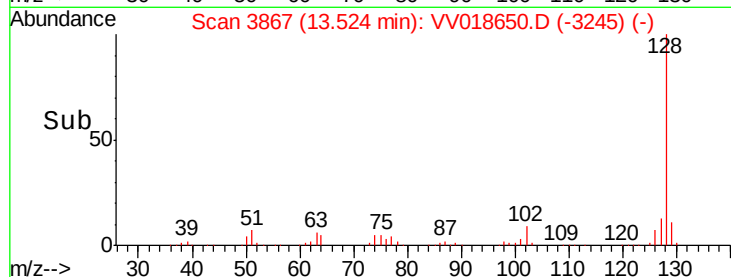
129 10.8 8.6 12.8



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: 44.787 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018650.D

Acq: 03 Oct 2020 01:06

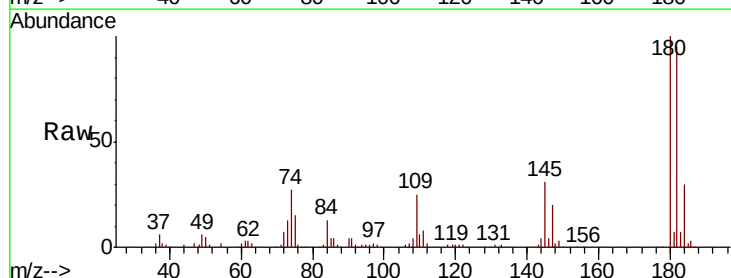
Tgt Ion:180 Resp: 159842

Ion Ratio Lower Upper

180 100

182 95.8 77.1 115.7

145 32.0 25.1 37.7



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

