

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101420\NOT REVIEWED DATA\
 Data File : VV018894.D
 Acq On : 14 Oct 2020 14:22
 Operator : SY/MD
 Sample : VSTD10063
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10004

Quant Time: Oct 14 15:27:16 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM101420WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 15:16:28 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	370238	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	364324	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	194086	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	294039	96.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	192.96%#
7) Chloroethane-d5	1.58	69	230977	95.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	191.32%#
11) 1,1-Dichloroethene-d2	2.12	63	548090	95.27	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	190.54%#
21) 2-Butanone-d5	3.91	46	434402	204.49	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	204.49%#
24) Chloroform-d	4.37	84	532836	97.31	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	194.62%#
26) 1,2-Dichloroethane-d4	5.05	65	355025	97.68	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	195.36%#
32) Benzene-d6	5.07	84	1051720	98.88	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	197.76%#
36) 1,2-Dichloropropane-d6	6.09	67	336132	98.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	197.70%#
41) Toluene-d8	7.34	98	974908	102.18	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	204.36%#
43) trans-1,3-Dichloropropene-	7.64	79	177481	106.78	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	213.56%#
47) 2-Hexanone-d5	8.11	63	299799	237.32	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	237.32%#
57) 1,1,2,2-Tetrachloroethane-	10.23	84	425924	106.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	213.74%#
64) 1,2-Dichlorobenzene-d4	11.65	152	390803	98.97	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	197.94%#

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	282623	88.157 ug/L	99
3) Chloromethane	1.25	50	339129	93.796 ug/L	99
5) Vinyl chloride	1.32	62	326195	93.344 ug/L	100
6) Bromomethane	1.53	94	202081	94.781 ug/L	98
8) Chloroethane	1.60	64	199363	95.121 ug/L	100
9) Trichlorofluoromethane	1.76	101	416327	90.262 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	214701	89.391 ug/L	99
12) 1,1-Dichloroethene	2.13	96	227576	93.499 ug/L	99
13) Acetone	2.20	43	283865	182.871 ug/L	98
14) Carbon disulfide	2.31	76	768241	92.644 ug/L	100
15) Methyl Acetate	2.45	43	312992	98.156 ug/L	100
16) Methylene chloride	2.52	84	278002	95.207 ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	256888	95.077 ug/L	97
18) Methyl tert-butyl Ether	2.78	73	853133	99.937 ug/L	100
19) 1,1-Dichloroethane	3.21	63	505099	96.092 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	283315	98.934 ug/L	100
22) 2-Butanone	3.99	43	439629	208.298 ug/L	98

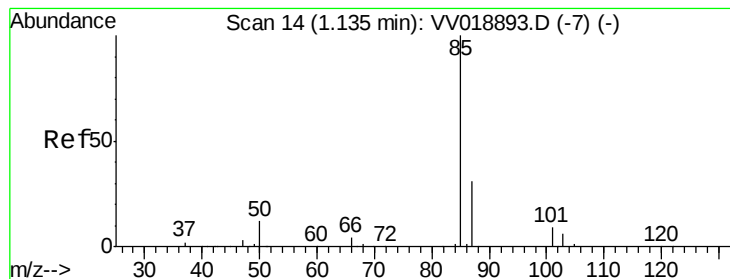
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV101420\NOT REVIEWED DATA\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	143656	97.134	ug/L	97
25) Chloroform	4.40	83	504446	95.435	ug/L	100
27) 1,2-Dichloroethane	5.15	62	415004	96.112	ug/L	99
29) Cyclohexane	4.70	56	415591	95.987	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	429484	95.005	ug/L	99
31) Carbon tetrachloride	4.85	117	363998	94.604	ug/L	99
33) Benzene	5.13	78	1092035	97.782	ug/L	100
34) Trichloroethene	5.94	95	287352	89.223	ug/L	99
35) Methylcyclohexane	6.15	83	360434	92.407	ug/L	99
37) 1,2-Dichloropropane	6.20	63	294981	98.666	ug/L	99
38) Bromodichloromethane	6.53	83	377754	98.552	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	472637	105.210	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	864203	209.608	ug/L	100
42) Toluene	7.41	91	1145857	99.340	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	464496	106.698	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	268830	96.668	ug/L	99
46) Tetrachloroethene	8.00	164	208142	91.703	ug/L	99
48) 2-Hexanone	8.16	43	683002	208.932	ug/L	99
49) Dibromochloromethane	8.27	129	300599	102.099	ug/L	99
50) 1,2-Dibromoethane	8.37	107	285511	98.513	ug/L	100
51) Chlorobenzene	8.90	112	718548	95.550	ug/L	99
52) Ethylbenzene	9.03	91	1249199	100.042	ug/L	99
53) m,p-Xylene	9.16	106	470550	101.151	ug/L	98
54) o-xylene	9.56	106	457100	102.706	ug/L	99
55) Styrene	9.58	104	825379	105.436	ug/L	97
56) Isopropylbenzene	9.95	105	1176852	100.724	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	398859	105.627	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	354330	97.911	ug/L	100
61) Bromoform	9.75	173	222549	104.967	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	580060	96.406	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	597773	94.498	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	592446	97.595	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	94542	104.508	ug/L	96
67) 1,3,5-Trichlorobenzene	12.67	180	397125	98.255	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	383978	103.101	ug/L	100
69) Naphthalene	13.52	128	1235004	116.847	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	386151	103.727	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 88.157 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

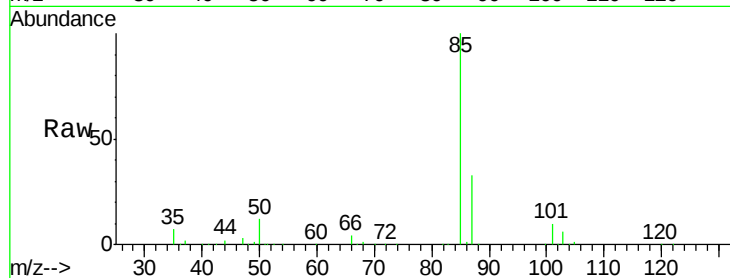
VSTD10004

Tgt Ion: 85 Resp: 282623

Ion Ratio Lower Upper

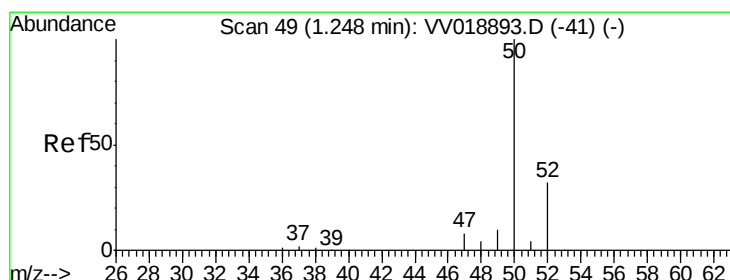
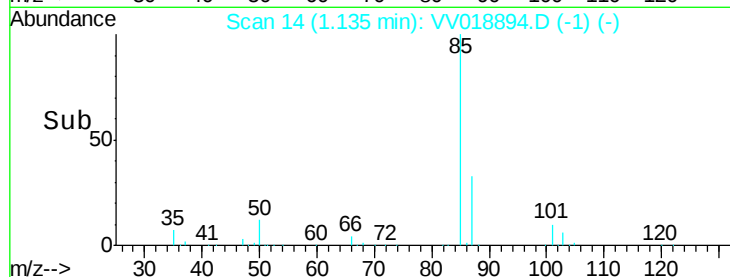
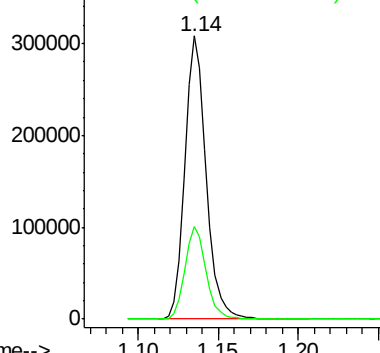
85 100

87 32.4 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 93.796 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018894.D

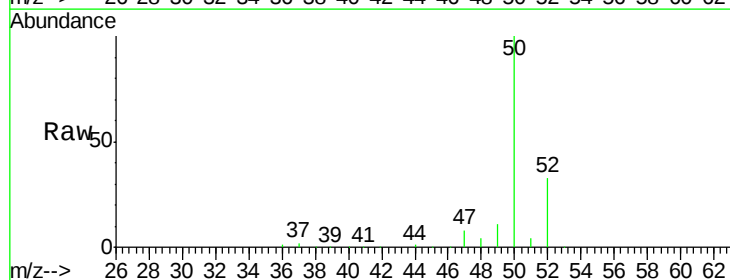
Acq: 14 Oct 2020 14:22

Tgt Ion: 50 Resp: 339129

Ion Ratio Lower Upper

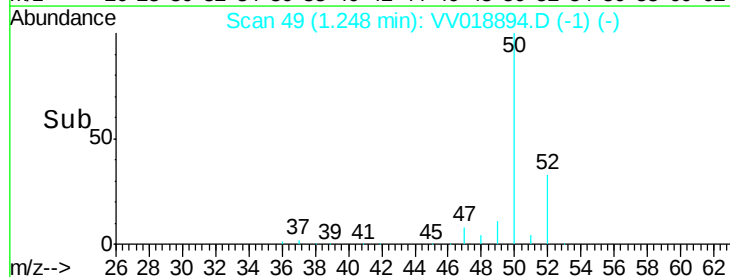
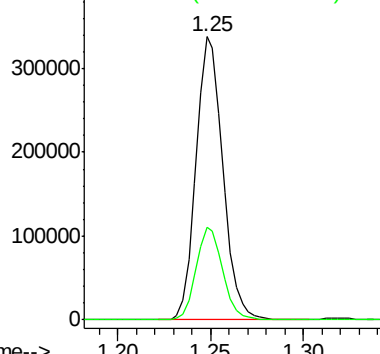
50 100

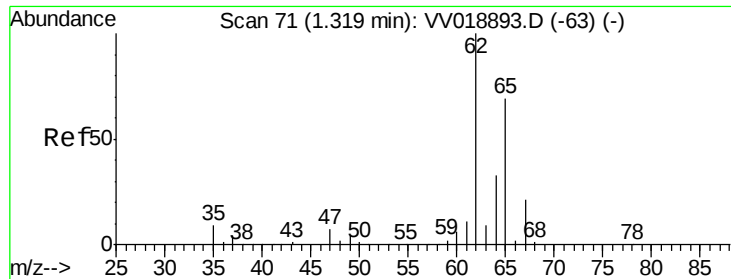
52 32.7 22.4 41.6



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 93.344 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

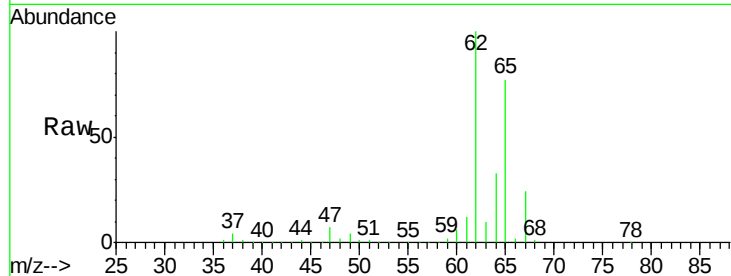
VSTD10004

Tgt Ion: 62 Resp: 326195

Ion Ratio Lower Upper

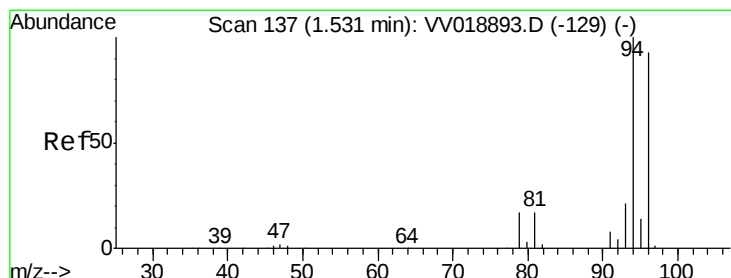
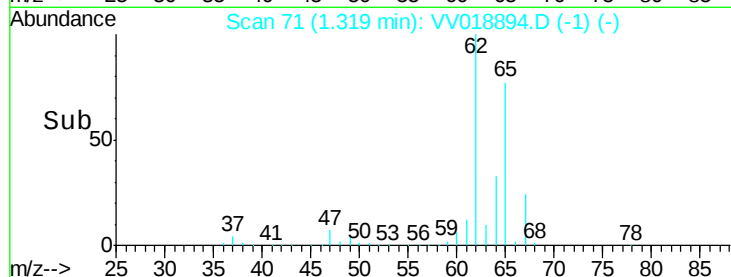
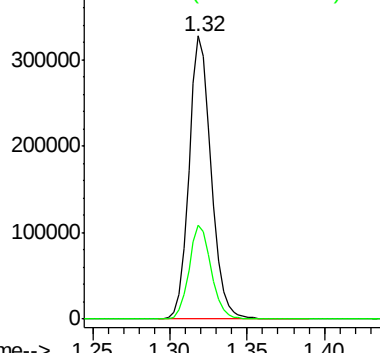
62 100

64 33.1 23.2 43.2



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 94.781 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018894.D

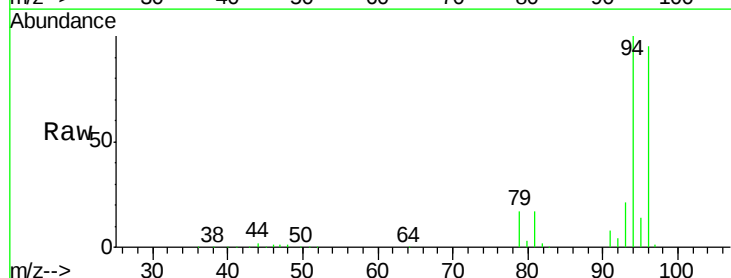
Acq: 14 Oct 2020 14:22

Tgt Ion: 94 Resp: 202081

Ion Ratio Lower Upper

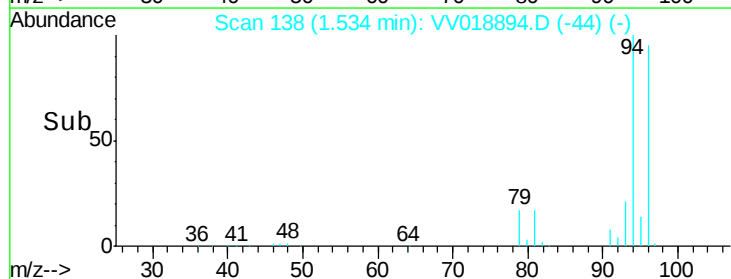
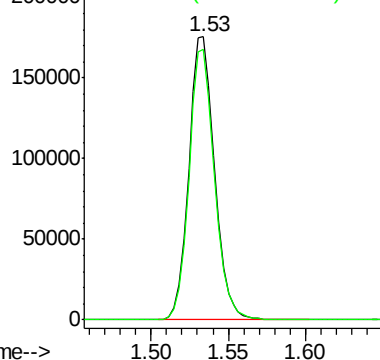
94 100

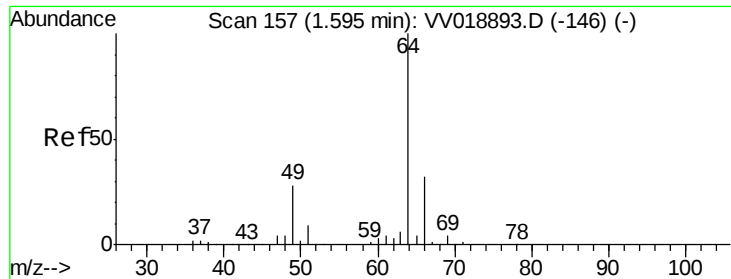
96 95.4 65.3 121.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 95.121 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

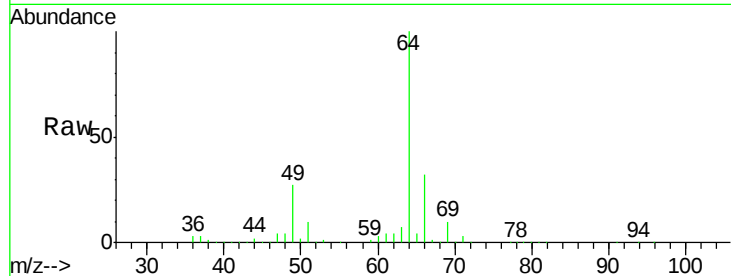
VSTD10004

Tgt Ion: 64 Resp: 199363

Ion Ratio Lower Upper

64 100

66 32.3 22.7 42.1



Abundance Ion 64.00 (63.70 to 64.70): VV018893.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV018893.D (-146) (-)

1.60

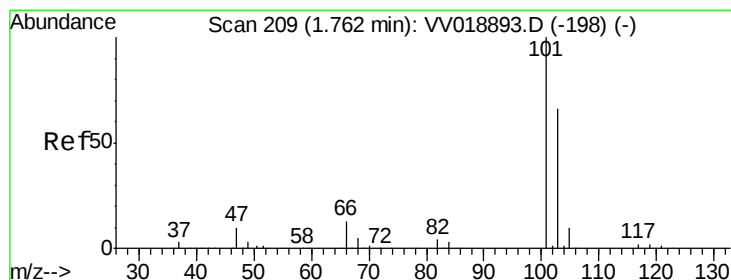
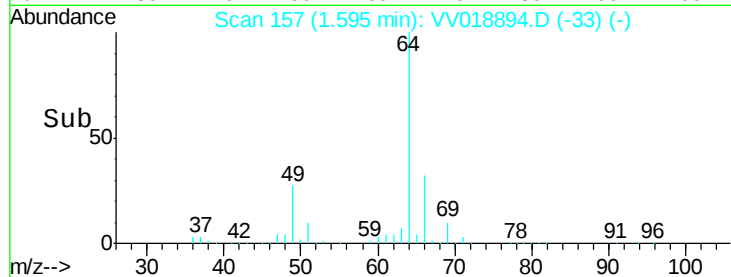
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 90.262 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018894.D

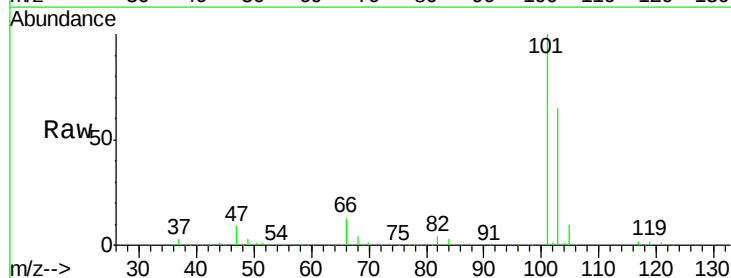
Acq: 14 Oct 2020 14:22

Tgt Ion: 101 Resp: 416327

Ion Ratio Lower Upper

101 100

103 64.8 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018893.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV018893.D (-198) (-)

1.76

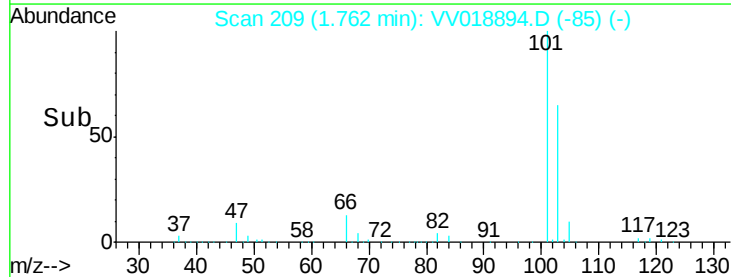
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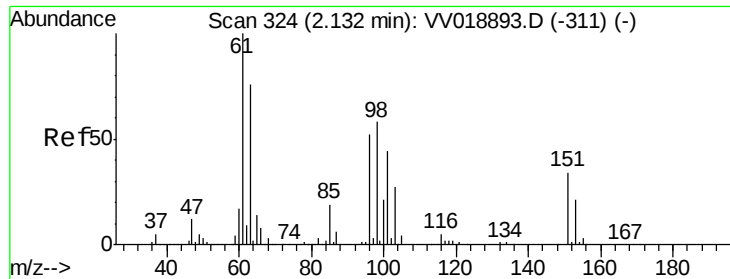
200000

100000

0

Time-->





#10

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

Concen: 89.391 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

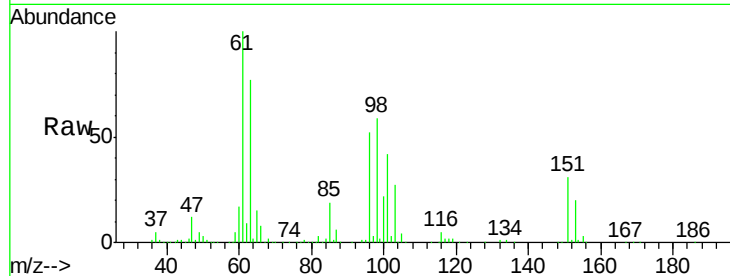
Tgt Ion: 101 Resp: 214701

Ion Ratio Lower Upper

101 100

85 44.0 35.0 52.4

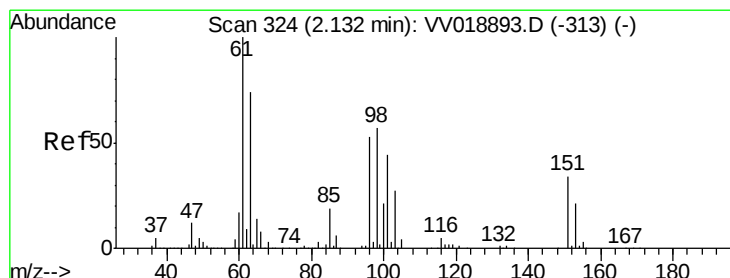
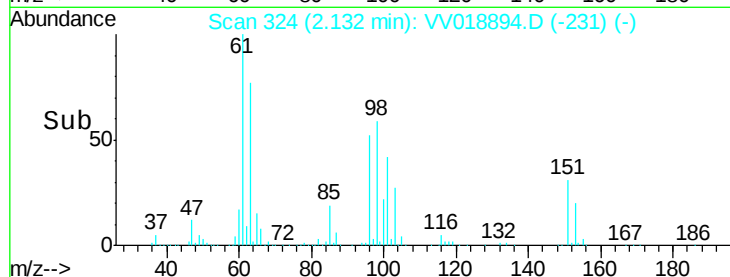
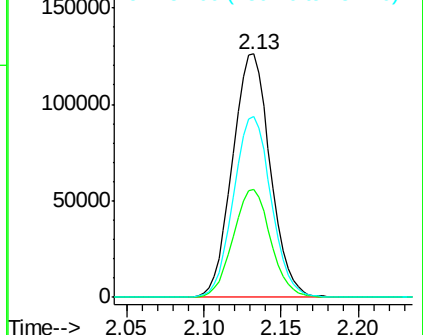
151 74.1 59.7 89.5



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: 93.499 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

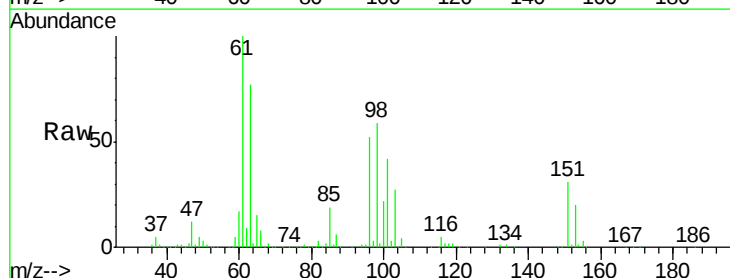
Tgt Ion: 96 Resp: 227576

Ion Ratio Lower Upper

96 100

61 191.9 133.5 247.9

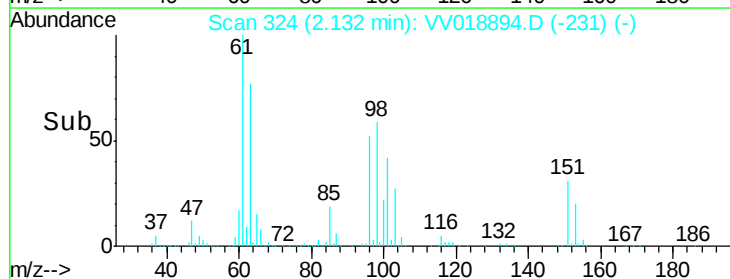
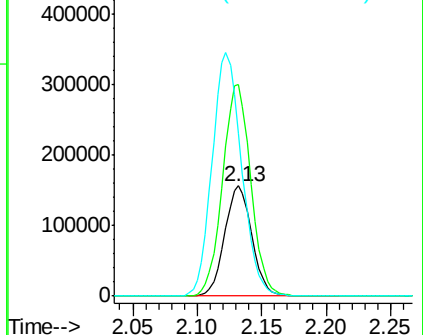
63 147.9 102.1 189.7

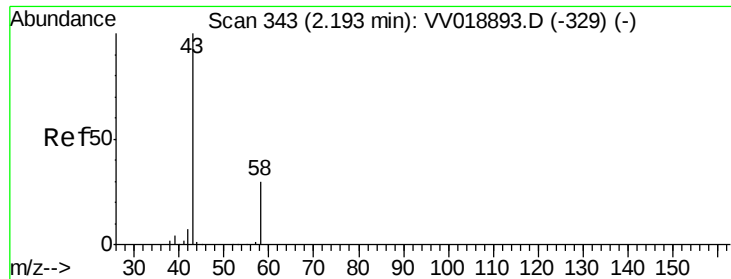


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 182.871 ug/L

RT: 2.20 min Scan# 344

Delta R.T. 0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

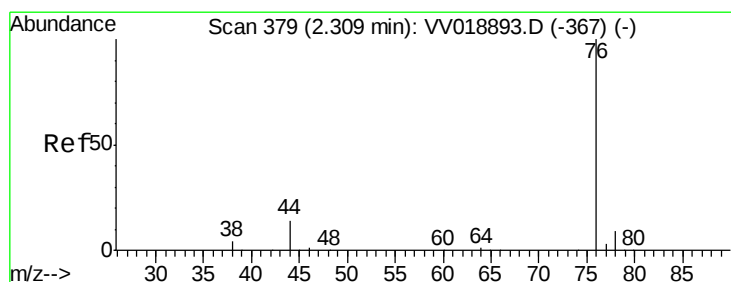
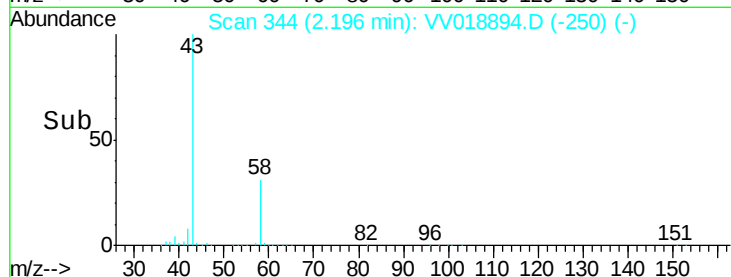
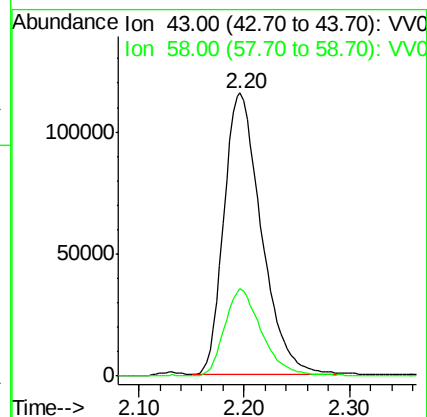
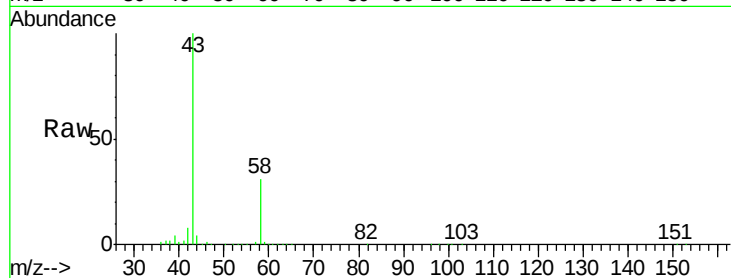
VSTD10004

Tgt Ion: 43 Resp: 283865

Ion Ratio Lower Upper

43 100

58 30.3 0.0 58.8



#14

Carbon disulfide

Concen: 92.644 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018894.D

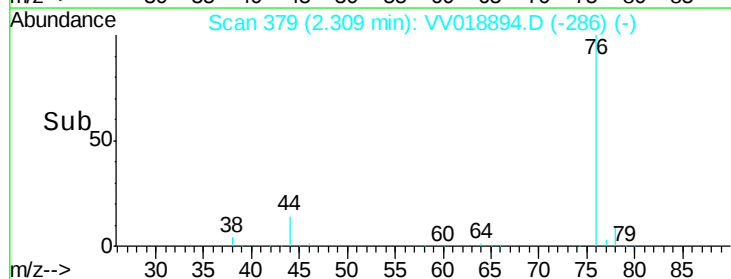
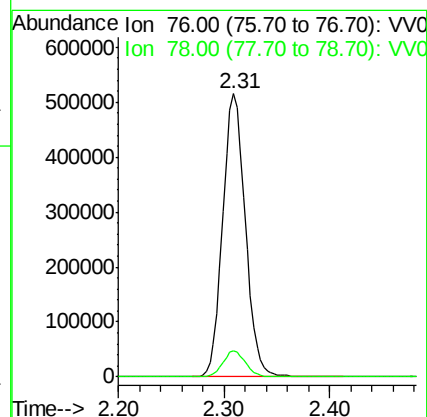
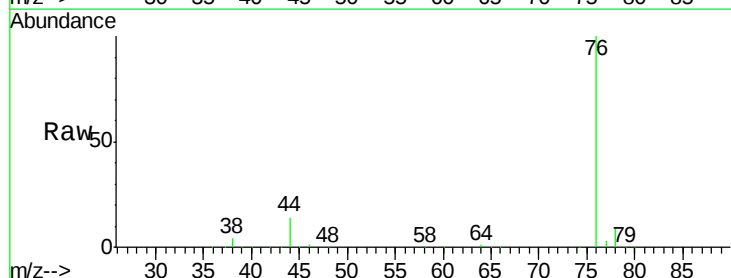
Acq: 14 Oct 2020 14:22

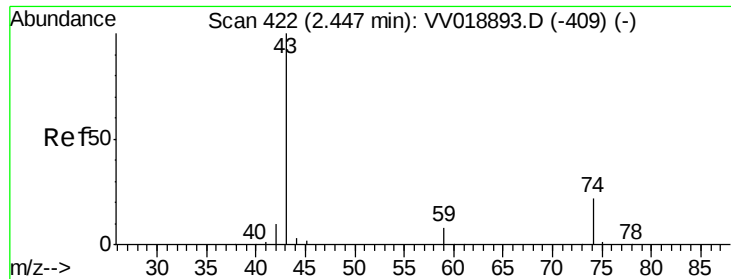
Tgt Ion: 76 Resp: 768241

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2

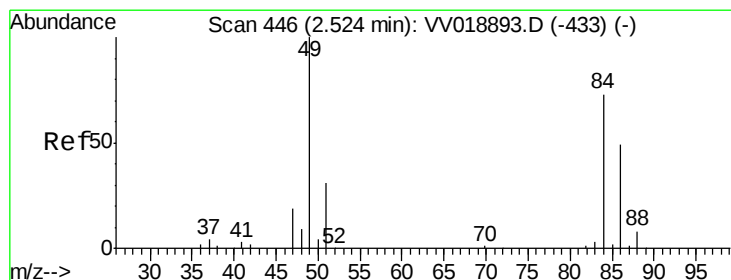
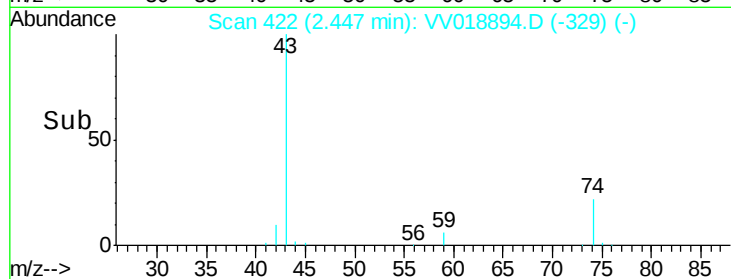
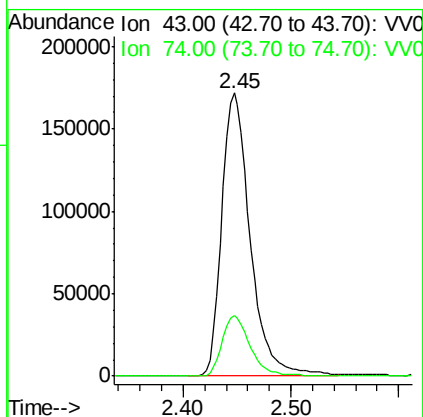
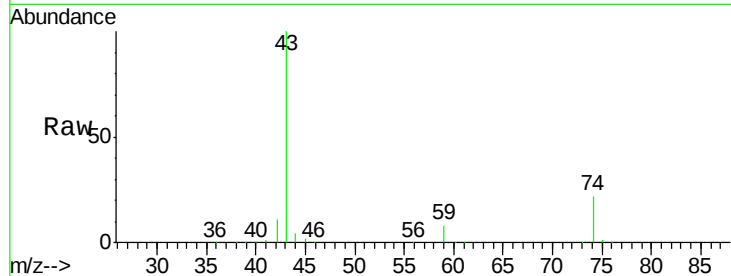




#15
Methyl Acetate
Concen: 98.156 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

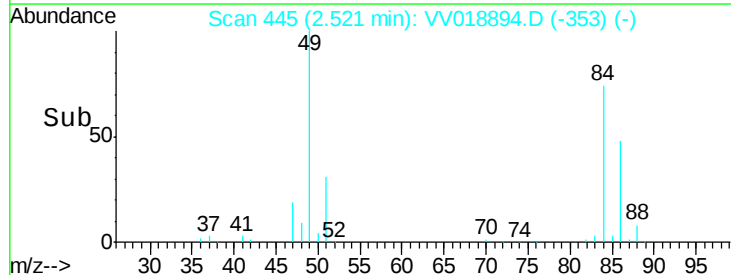
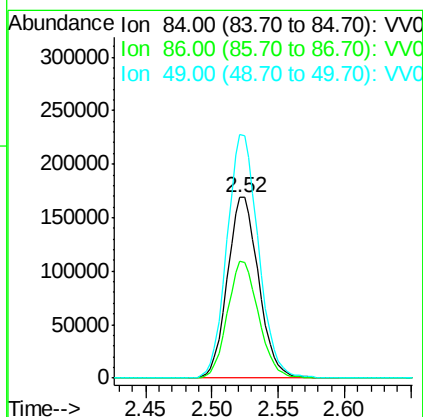
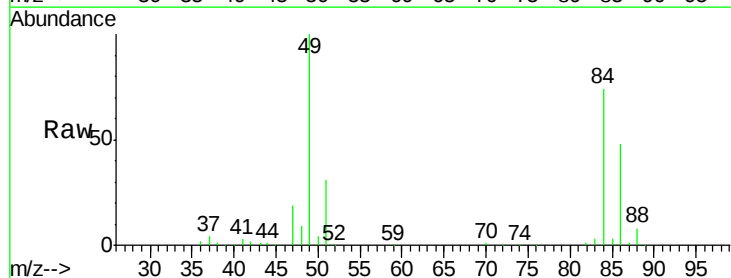
Instrument :
MSVOA_V
ClientSampleId :
VSTD10004

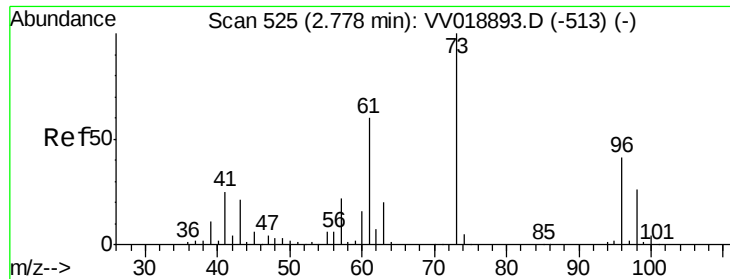
Tgt Ion: 43 Resp: 312992
Ion Ratio Lower Upper
43 100
74 21.2 17.0 25.6



#16
Methylene chloride
Concen: 95.207 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Tgt Ion: 84 Resp: 278002
Ion Ratio Lower Upper
84 100
86 64.4 46.6 86.6
49 134.9 96.1 178.5

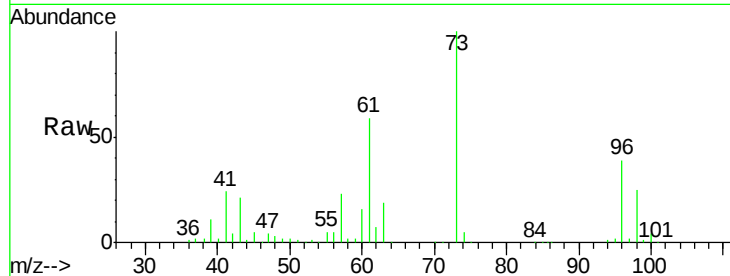




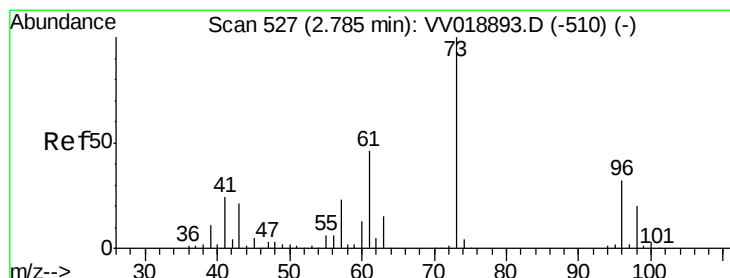
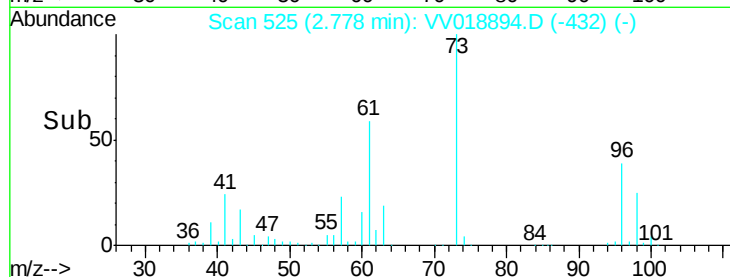
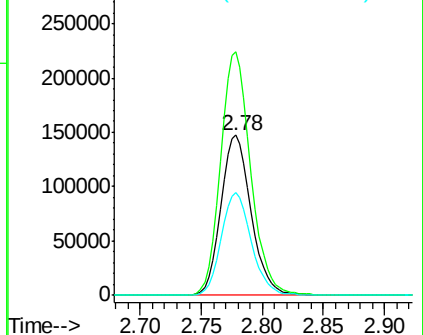
#17
trans-1,2-Dichloroethene
Concen: 95.077 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD10004

Tgt Ion: 96 Resp: 256888
Ion Ratio Lower Upper
96 100
61 152.1 102.8 190.8
98 64.0 44.0 81.6

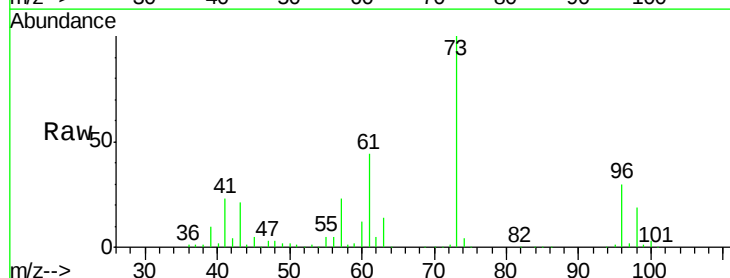


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

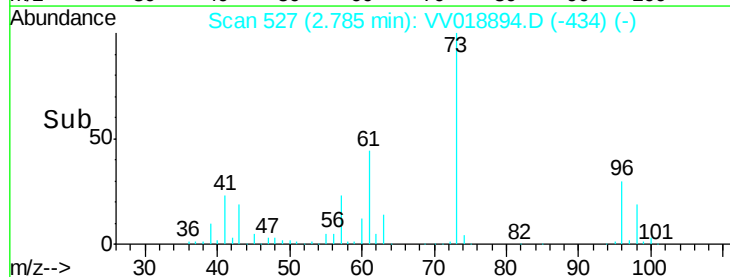
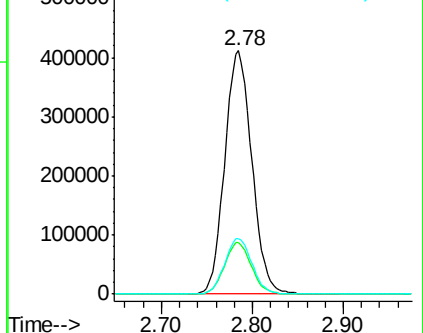


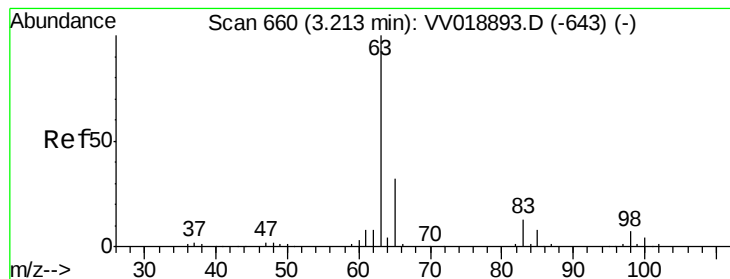
#18
Methyl tert-butyl Ether
Concen: 99.937 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Tgt Ion: 73 Resp: 853133
Ion Ratio Lower Upper
73 100
43 20.9 16.9 25.3
57 22.9 18.3 27.5



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: 96.092 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

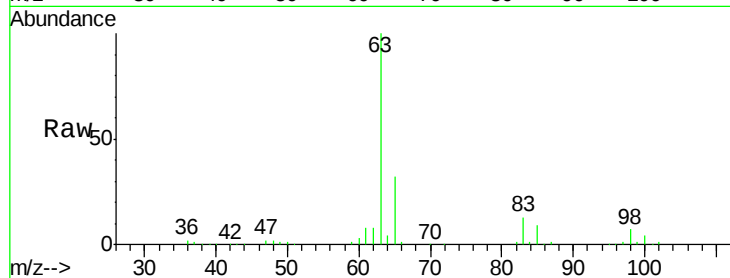
Tgt Ion: 63 Resp: 505099

Ion Ratio Lower Upper

63 100

65 31.8 22.5 41.9

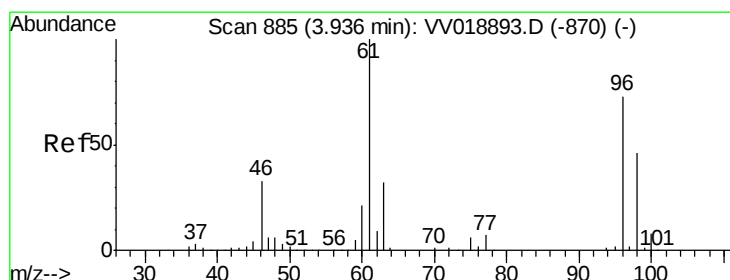
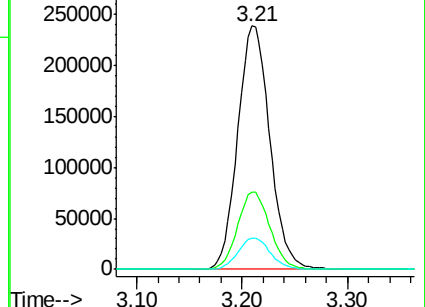
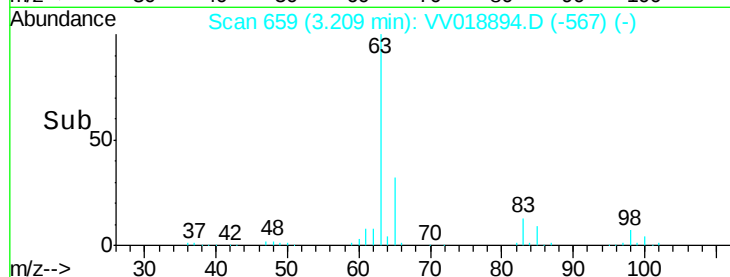
83 12.8 9.3 17.3



Abundance Ion 63.00 (62.70 to 63.70): VV018893.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV018893.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV018893.D (-643) (-)



#20

cis-1,2-Dichloroethene

Concen: 98.934 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

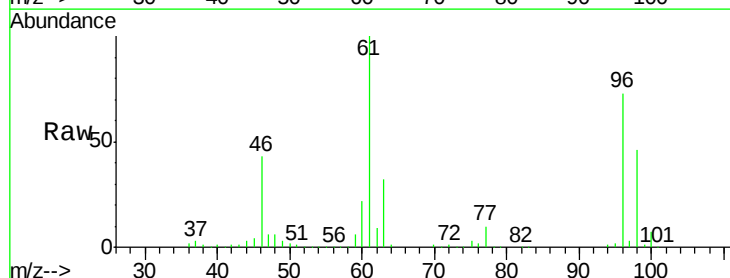
Tgt Ion: 96 Resp: 283315

Ion Ratio Lower Upper

96 100

61 137.1 96.1 178.5

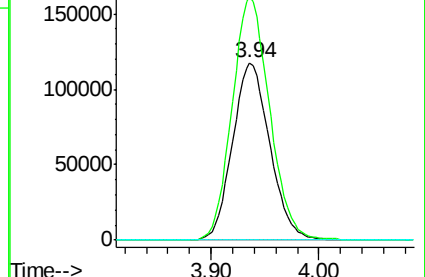
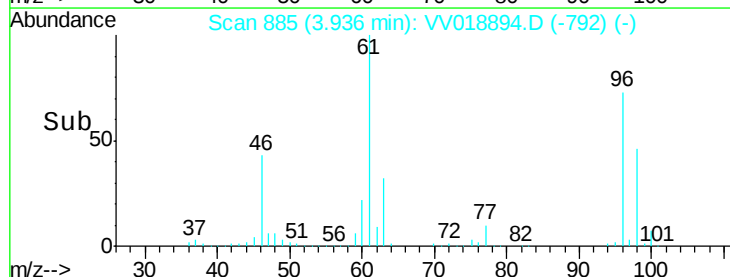
68 0.0 0.0 0.0

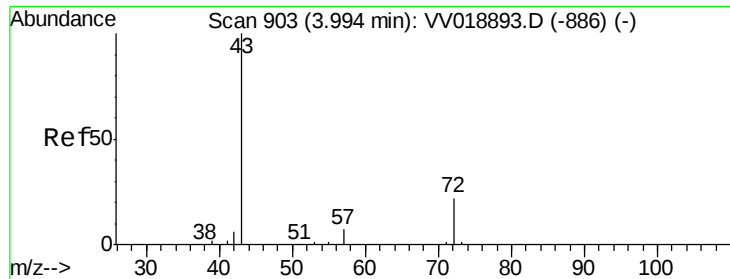


Abundance Ion 96.00 (95.70 to 96.70): VV018893.D (-870) (-)

Ion 61.00 (60.70 to 61.70): VV018893.D (-870) (-)

Ion 68.00 (67.70 to 68.70): VV018893.D (-870) (-)





#22

2-Butanone

Concen: 208.298 ug/L

RT: 3.99 min Scan# 903

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

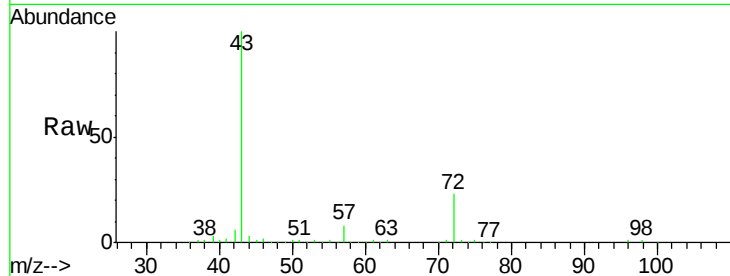
VSTD10004

Tgt Ion: 43 Resp: 439629

Ion Ratio Lower Upper

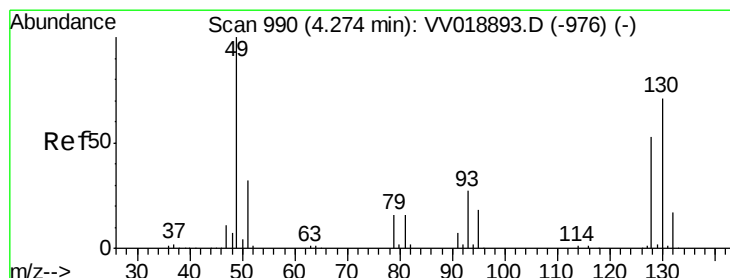
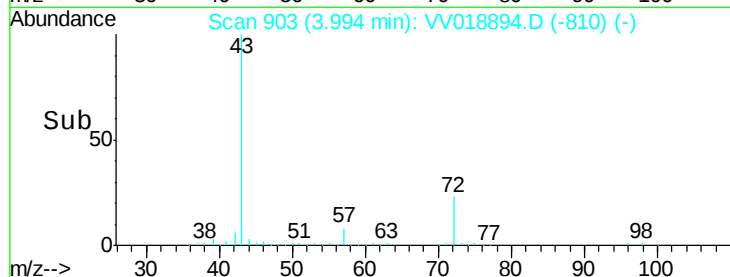
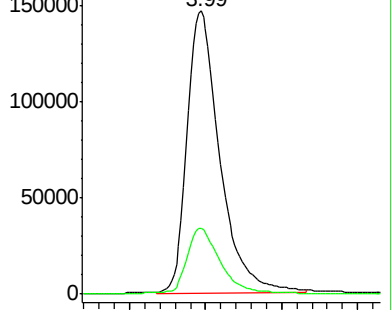
43 100

72 23.0 10.9 32.9



Abundance Ion 43.00 (42.70 to 43.70): VV018894.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018894.D (-810) (-)



#23

Bromochloromethane

Concen: 97.134 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Tgt Ion: 128 Resp: 143656

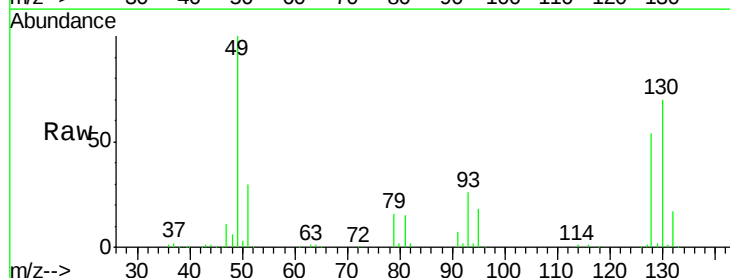
Ion Ratio Lower Upper

128 100

49 184.9 131.7 244.7

130 129.2 92.8 172.4

51 56.3 47.8 71.6

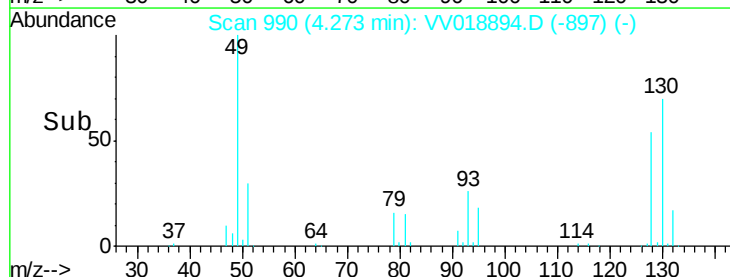
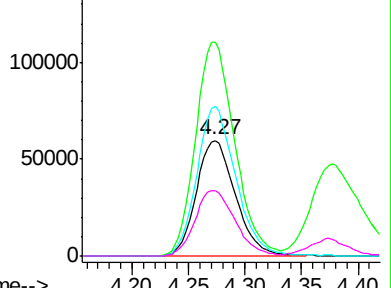


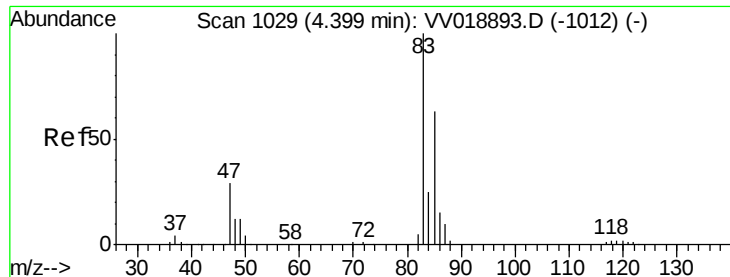
Abundance Ion 128.00 (127.70 to 128.70): VV018894.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018894.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018894.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018894.D (-897) (-)

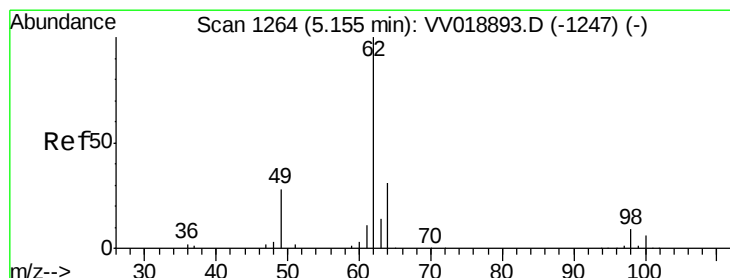
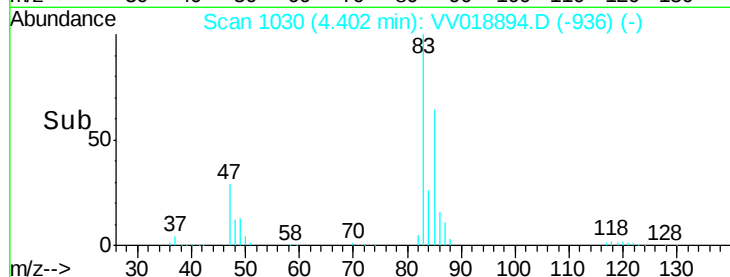
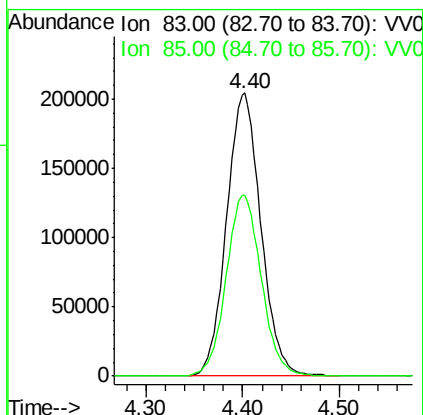
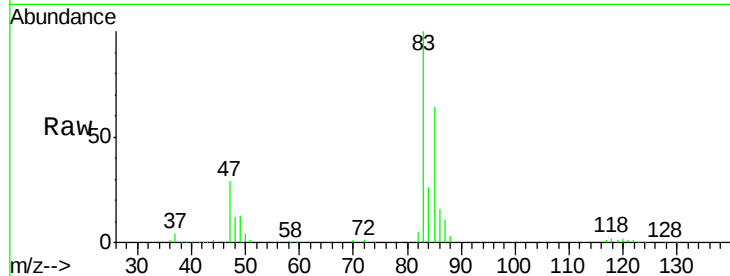




#25
Chloroform
Concen: 95.435 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

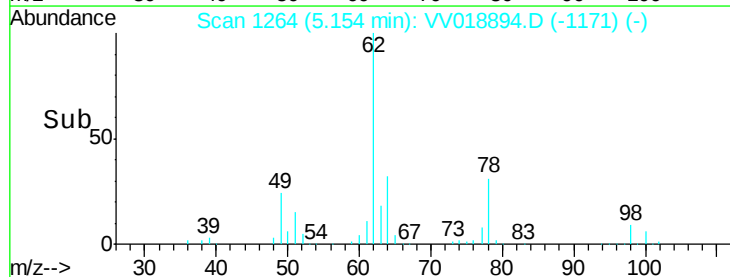
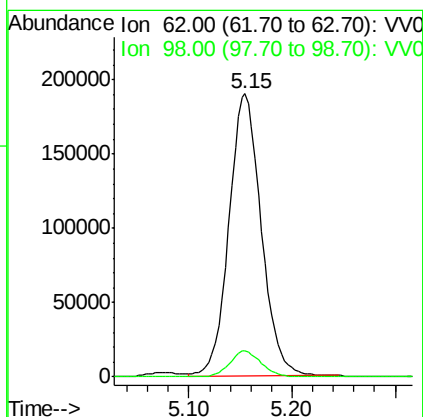
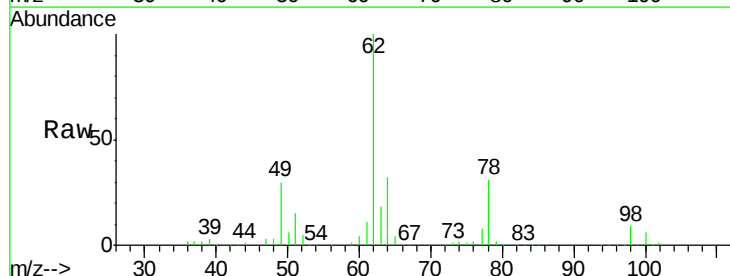
Instrument :
MSVOA_V
ClientSampleId :
VSTD10004

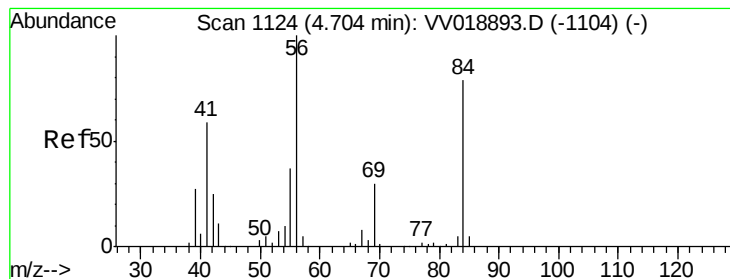
Tgt Ion: 83 Resp: 504446
Ion Ratio Lower Upper
83 100
85 63.9 44.6 82.8



#27
1,2-Dichloroethane
Concen: 96.112 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Tgt Ion: 62 Resp: 415004
Ion Ratio Lower Upper
62 100
98 9.1 7.0 10.6





#29

Cyclohexane

Concen: 95.987 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD10004

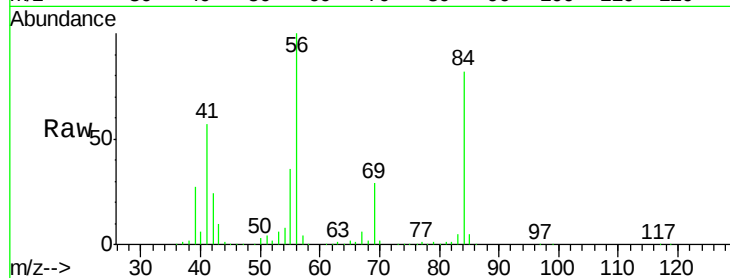
Tgt Ion: 56 Resp: 415591

Ion Ratio Lower Upper

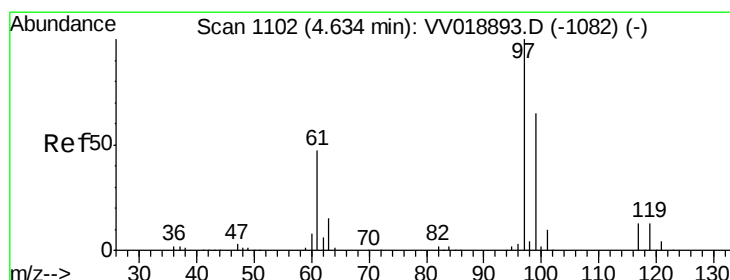
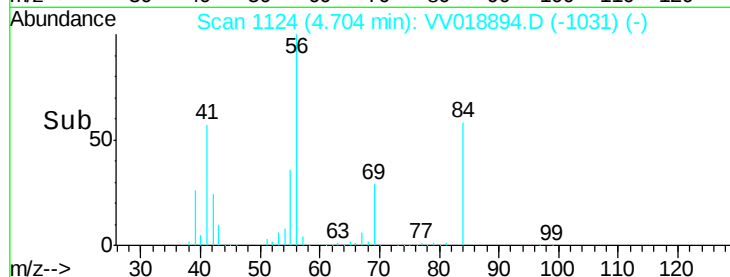
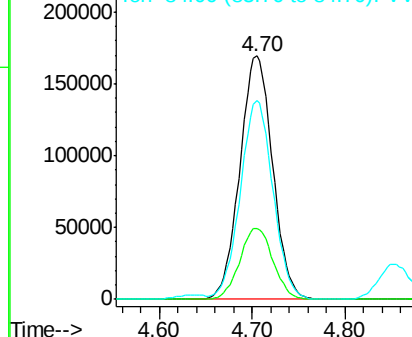
56 100

69 29.5 23.5 35.3

84 81.2 64.7 97.1



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: 95.005 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

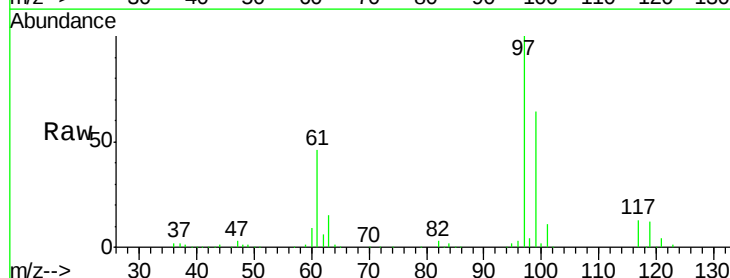
Tgt Ion: 97 Resp: 429484

Ion Ratio Lower Upper

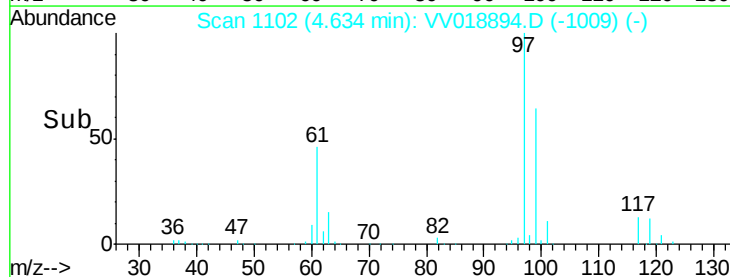
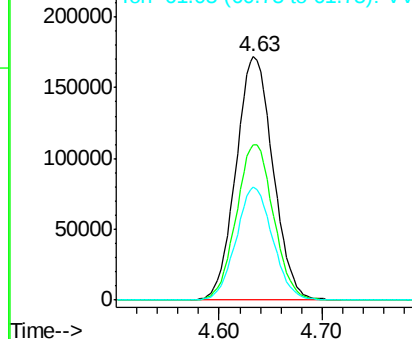
97 100

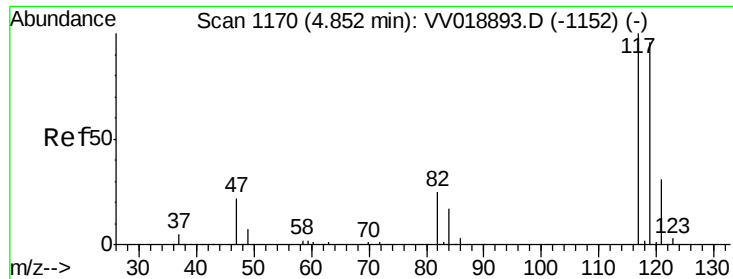
99 64.3 51.2 76.8

61 45.8 37.5 56.3



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: 94.604 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

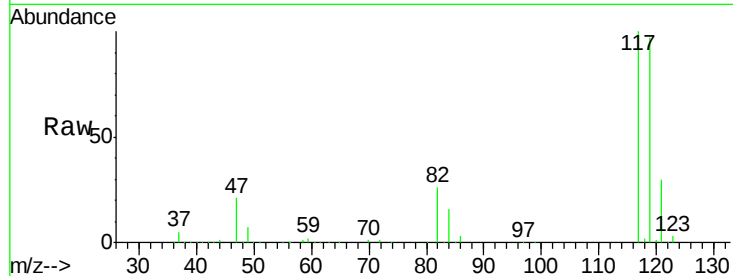
VSTD10004

Tgt Ion:117 Resp: 363998

Ion Ratio Lower Upper

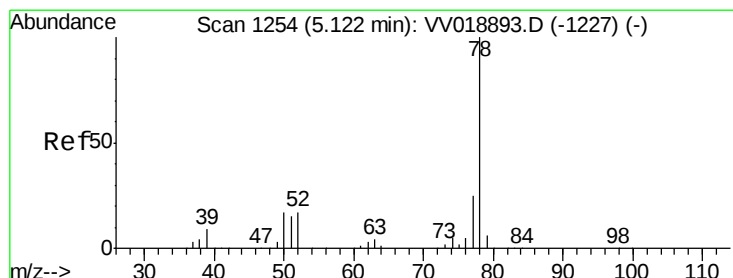
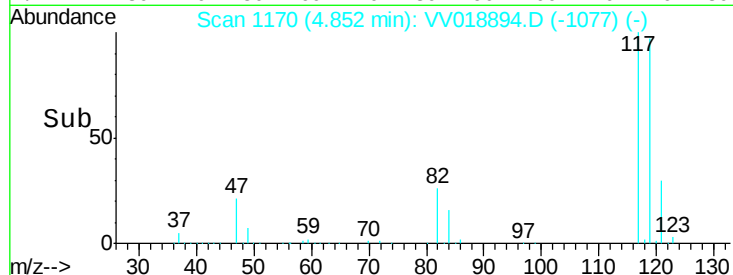
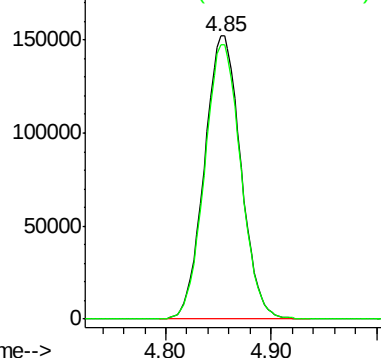
117 100

119 96.7 76.9 115.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 97.782 ug/L

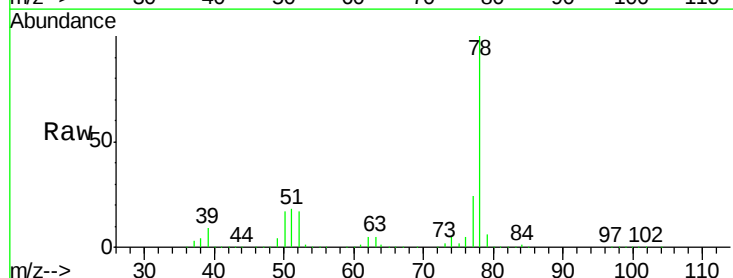
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

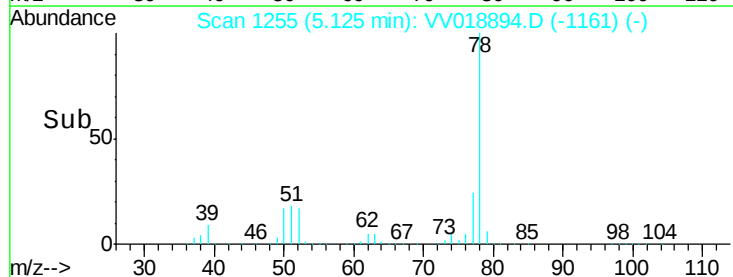
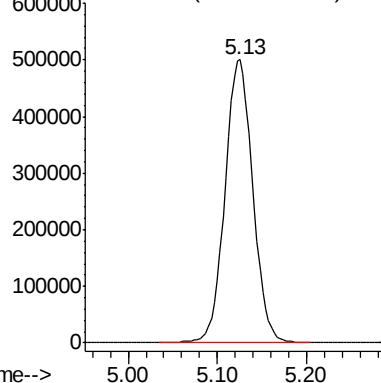
Lab File: VV018894.D

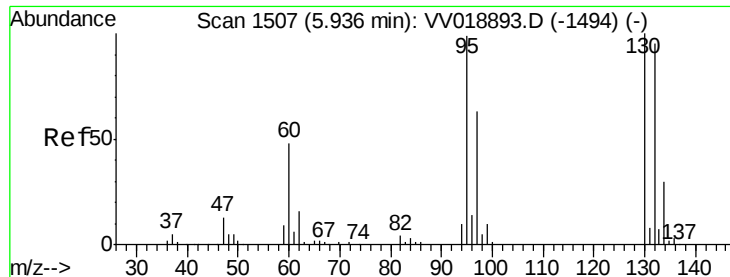
Acq: 14 Oct 2020 14:22

Tgt Ion: 78 Resp: 1092035



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 89.223 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

Tgt Ion: 95 Resp: 287352

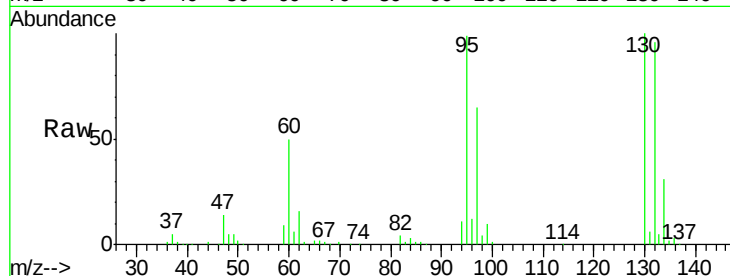
Ion Ratio Lower Upper

95 100

97 65.3 44.7 82.9

132 96.8 67.0 124.4

130 100.8 70.8 131.6

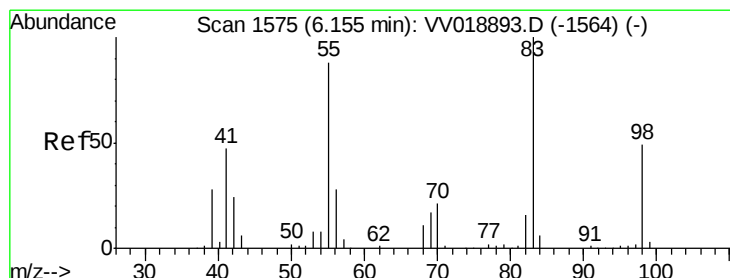
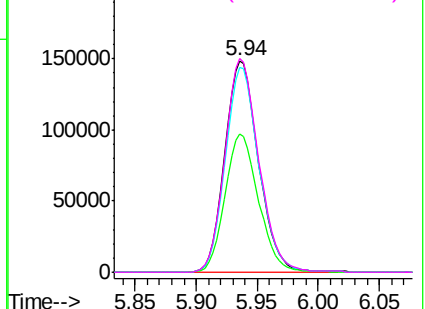
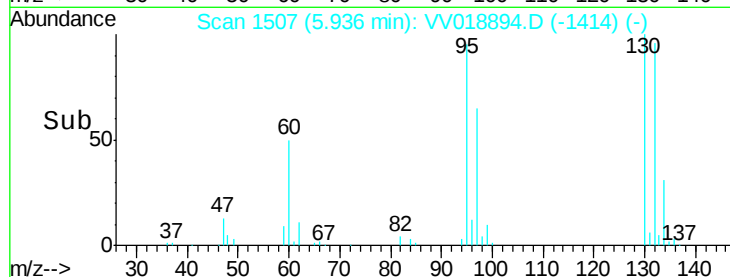


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 92.407 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

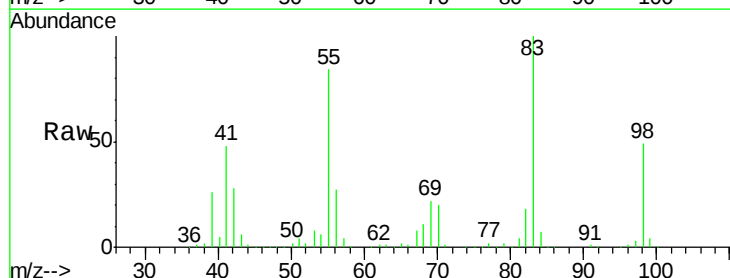
Tgt Ion: 83 Resp: 360434

Ion Ratio Lower Upper

83 100

55 83.1 67.3 100.9

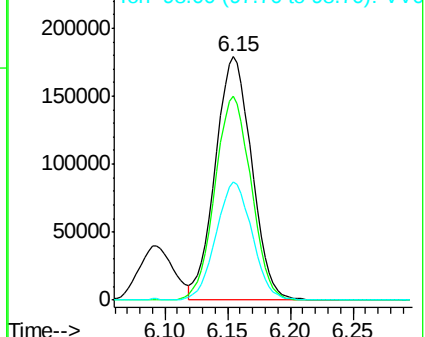
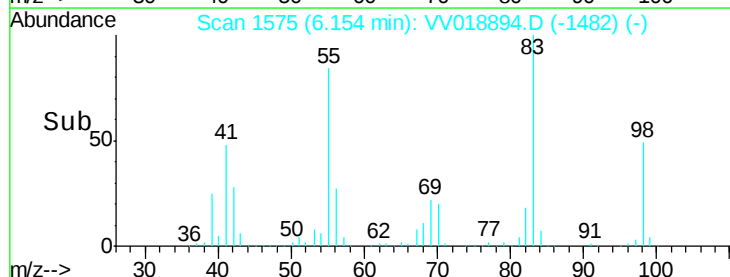
98 48.1 37.9 56.9

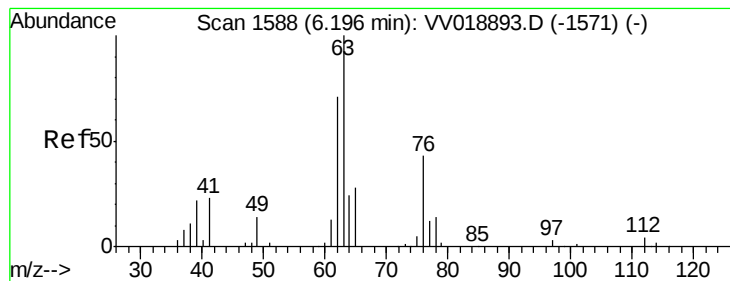


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 98.666 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

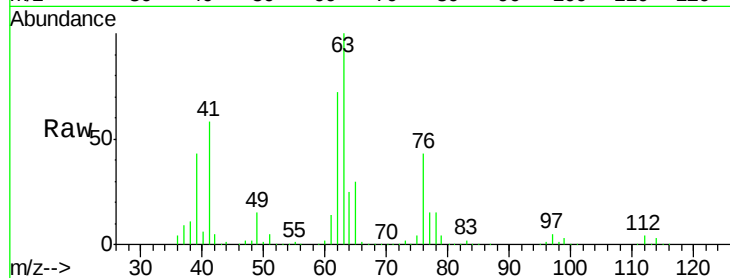
VSTD10004

Tgt Ion: 63 Resp: 294981

Ion Ratio Lower Upper

63 100

112 4.3 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV018894.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV018894.D (-1495) (-)

6.20

150000

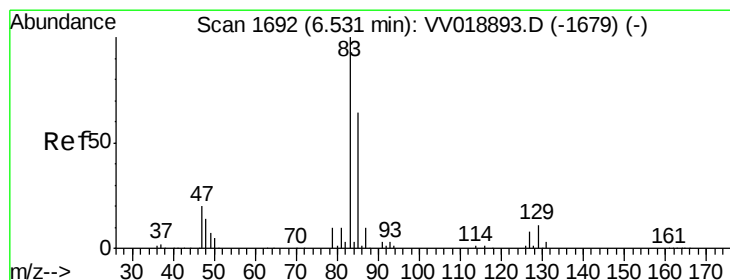
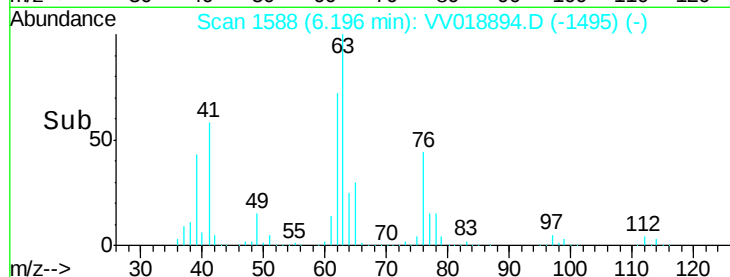
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 98.552 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

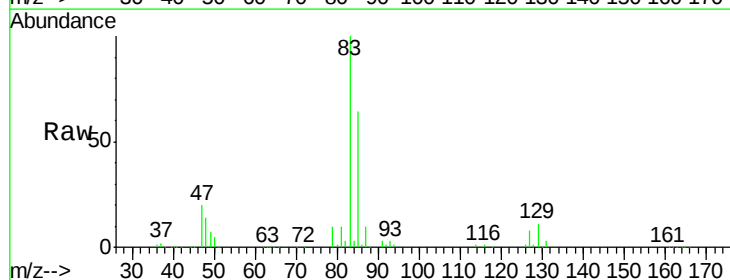
Tgt Ion: 83 Resp: 377754

Ion Ratio Lower Upper

83 100

85 64.4 44.7 83.1

127 8.3 6.6 9.8



Abundance Ion 83.00 (82.70 to 83.70): VV018894.D (-1599) (-)

Ion 85.00 (84.70 to 85.70): VV018894.D (-1599) (-)

Ion 127.00 (126.70 to 127.70): VV018894.D (-1599) (-)

6.53

250000

200000

150000

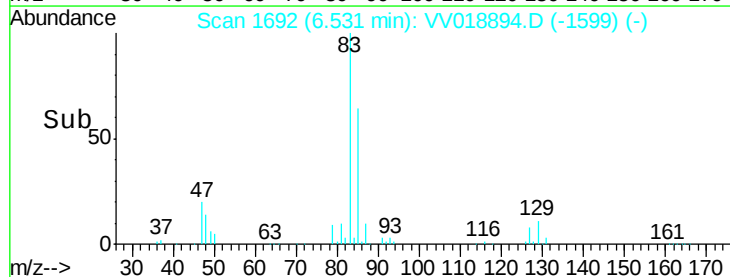
100000

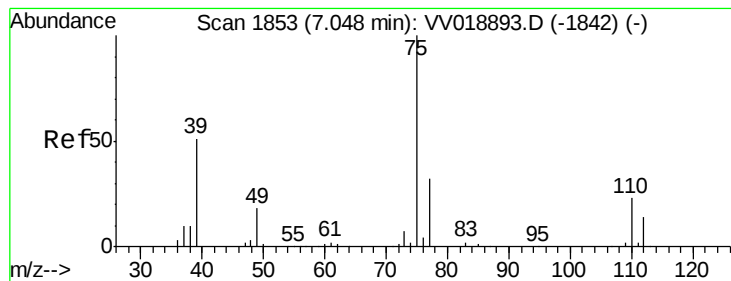
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



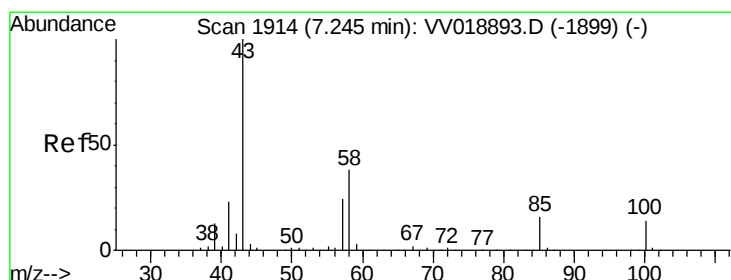
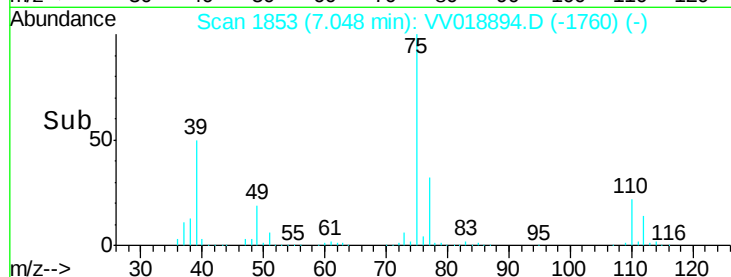
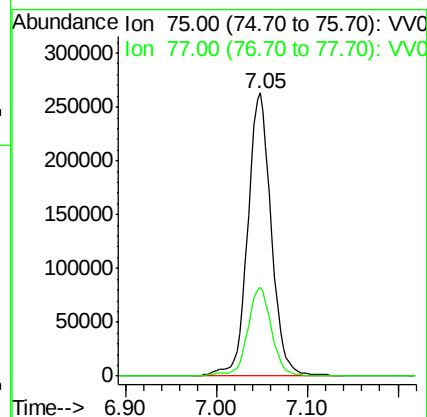
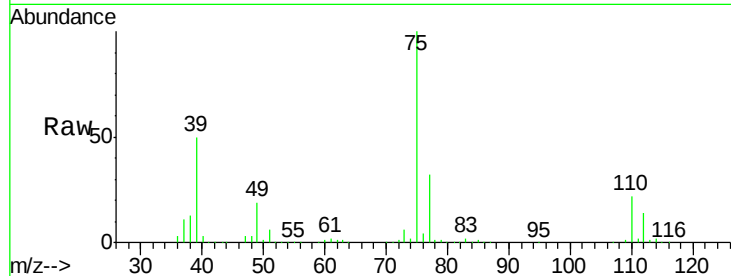


#39

cis-1,3-Dichloropropene
Concen: 105.210 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Instrument :
MSVOA_V
ClientSampled :
VSTD10004

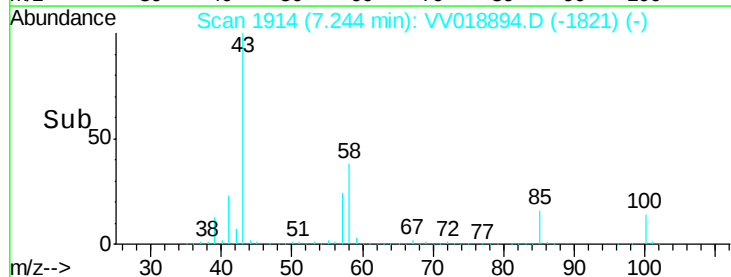
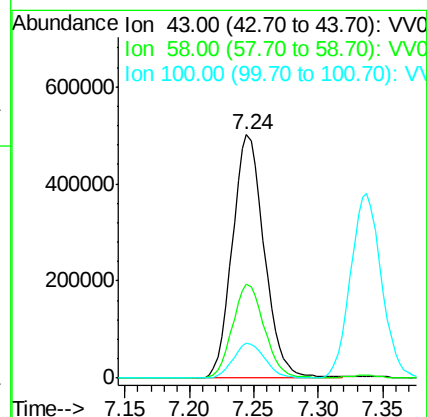
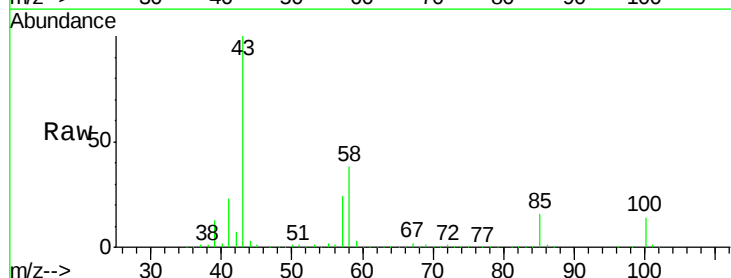
Tgt Ion: 75 Resp: 472637
Ion Ratio Lower Upper
75 100
77 31.5 22.5 41.9

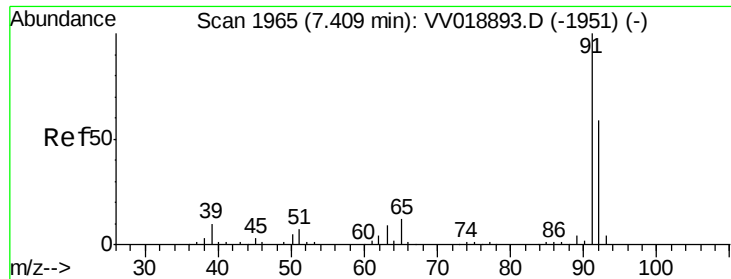


#40

4-Methyl-2-pentanone
Concen: 209.608 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Tgt Ion: 43 Resp: 864203
Ion Ratio Lower Upper
43 100
58 38.3 30.5 45.7
100 14.3 11.1 16.7





#42

Toluene

Concen: 99.340 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

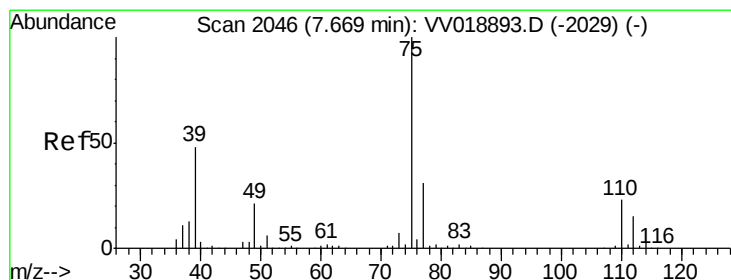
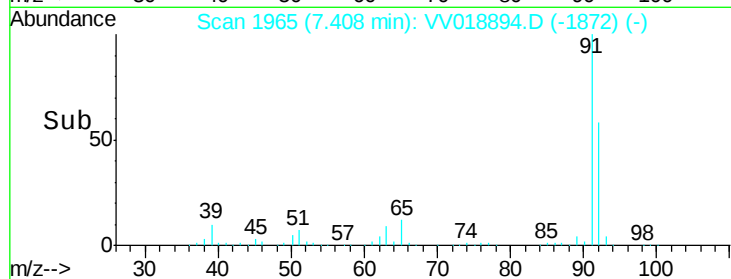
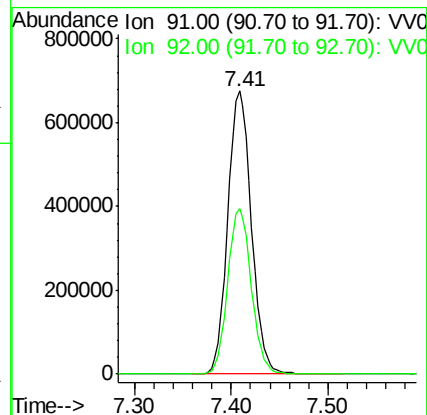
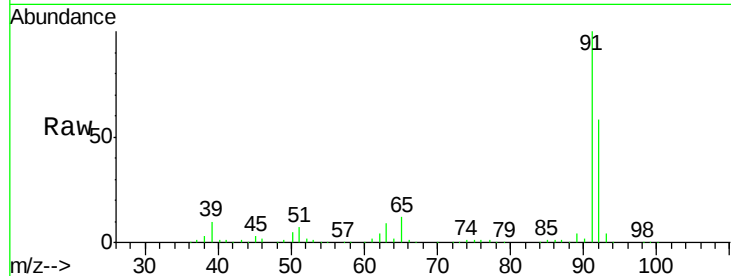
VSTD10004

Tgt Ion: 91 Resp: 1145857

Ion Ratio Lower Upper

91 100

92 58.3 41.2 76.4



#44

trans-1,3-Dichloropropene

Concen: 106.698 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018894.D

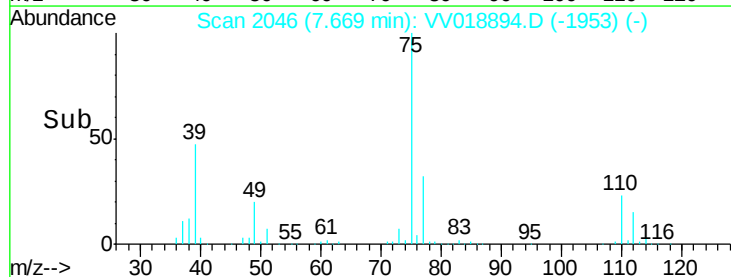
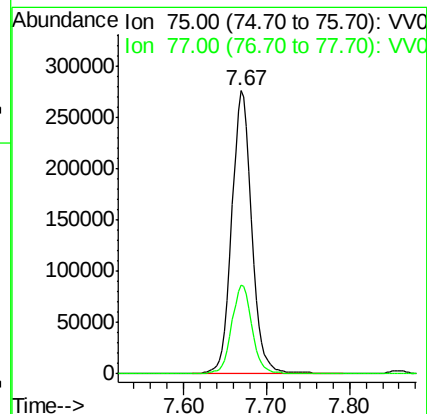
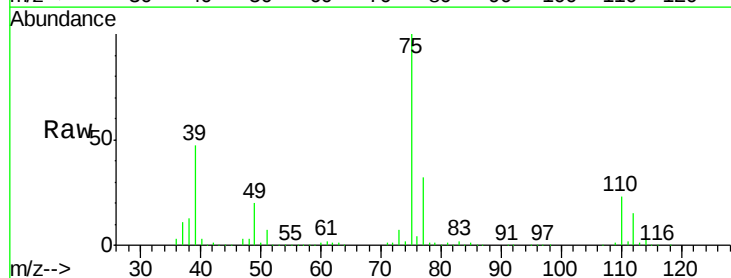
Acq: 14 Oct 2020 14:22

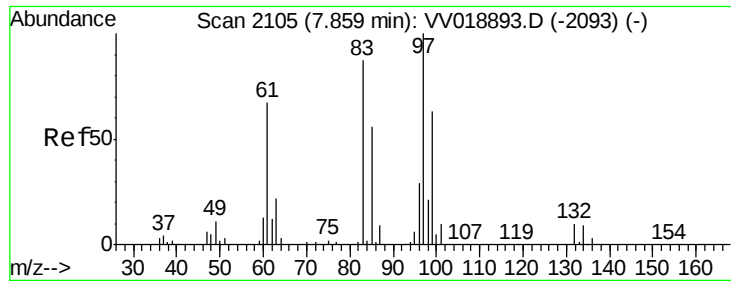
Tgt Ion: 75 Resp: 464496

Ion Ratio Lower Upper

75 100

77 31.6 21.9 40.7

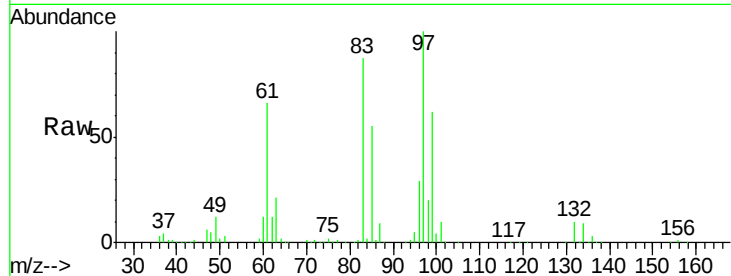




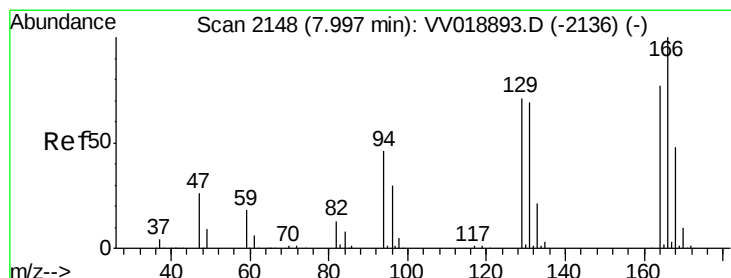
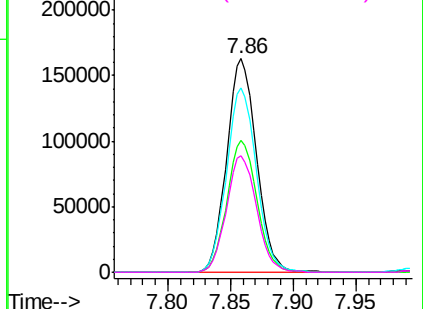
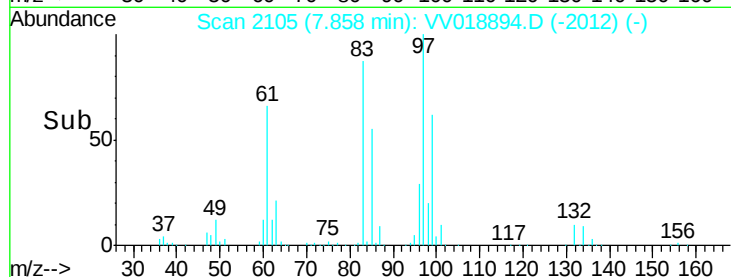
#45
 1,1,2-Trichloroethane
 Concen: 96.668 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018894.D
 Acq: 14 Oct 2020 14:22

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10004

Tgt Ion:	97	Resp:	268830
Ion	Ratio	Lower	Upper
97	100		
99	61.7	43.8	81.4
83	86.5	61.0	113.4
85	54.8	38.9	72.2

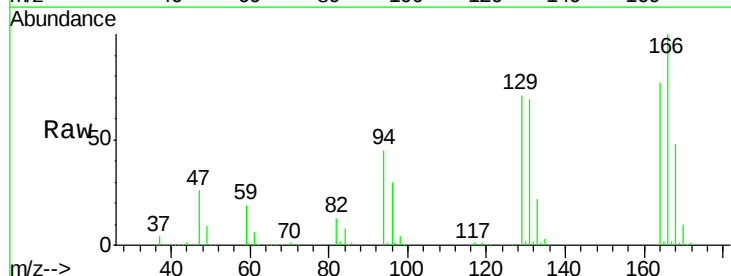


Abundance Ion 97.00 (96.70 to 97.70): VV018894.D (-2012) (-)

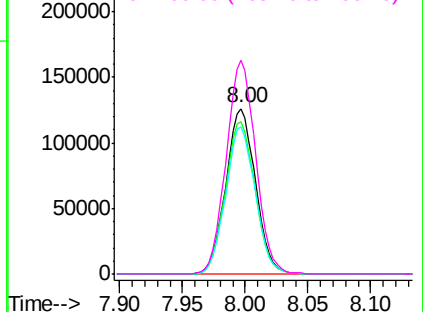
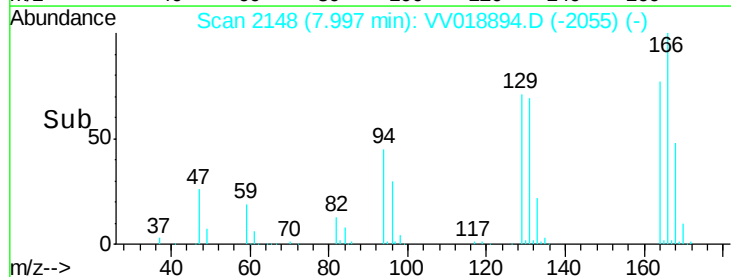


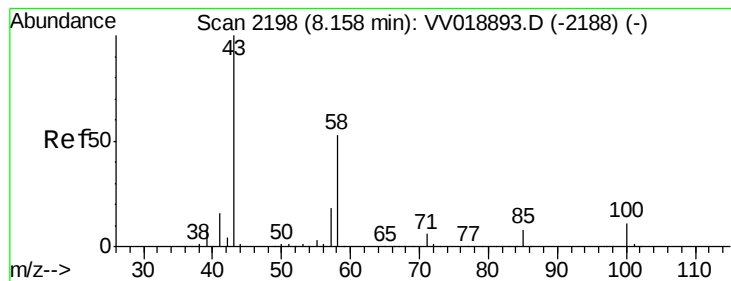
#46
 Tetrachloroethene
 Concen: 91.703 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV018894.D
 Acq: 14 Oct 2020 14:22

Tgt Ion:	164	Resp:	208142
Ion	Ratio	Lower	Upper
164	100		
129	92.2	65.0	120.8
131	89.1	62.9	116.7
166	129.1	91.1	169.3



Abundance Ion 164.00 (163.70 to 164.70): VV018894.D (-2055) (-)





#48

2-Hexanone

Concen: 208.932 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :
MSVOA_V
ClientSampleId :
VSTD10004

Tgt Ion: 43 Resp: 683002

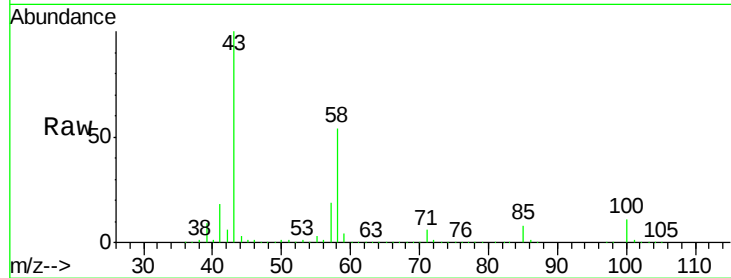
Ion Ratio Lower Upper

43 100

58 52.5 42.5 63.7

57 18.4 14.5 21.7

100 11.3 9.0 13.4

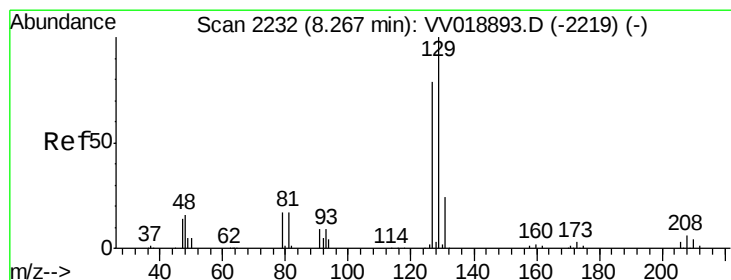
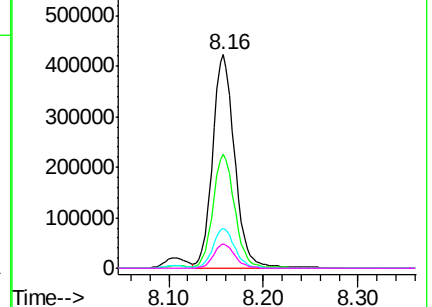
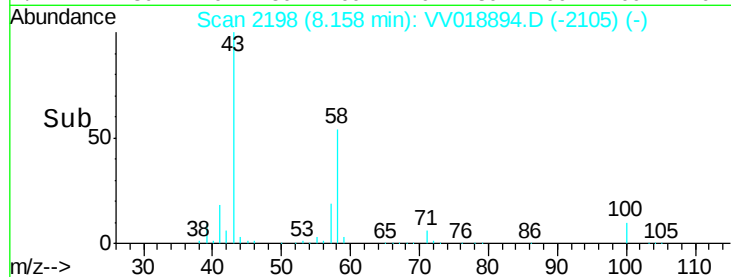


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 102.099 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV018894.D

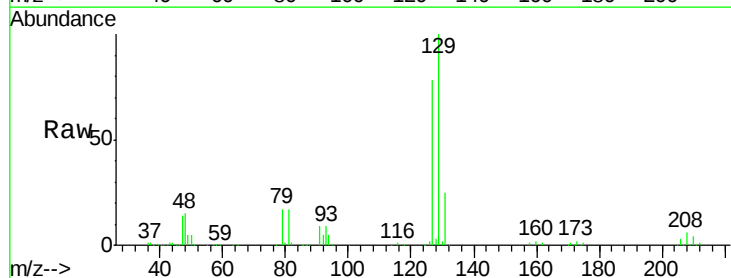
Acq: 14 Oct 2020 14:22

Tgt Ion: 129 Resp: 300599

Ion Ratio Lower Upper

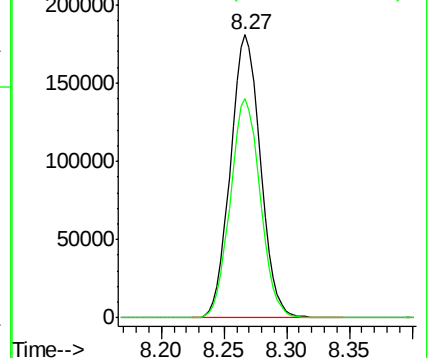
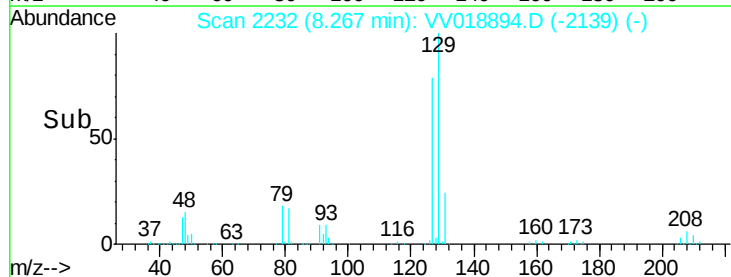
129 100

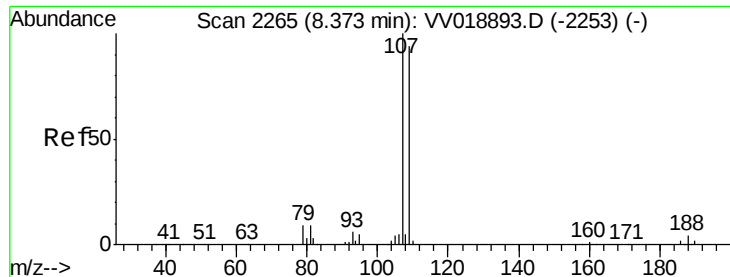
127 77.7 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

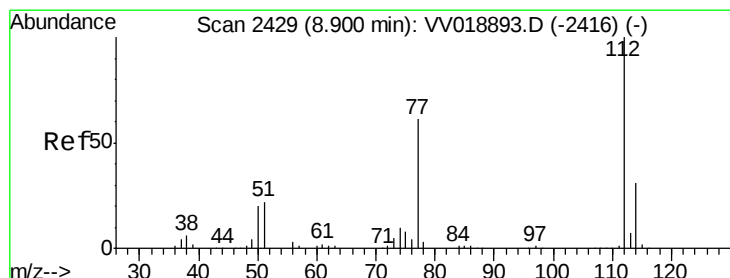
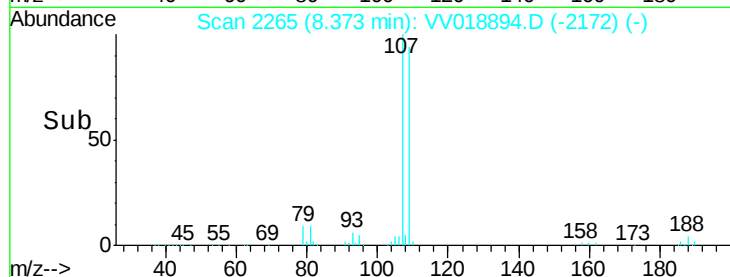
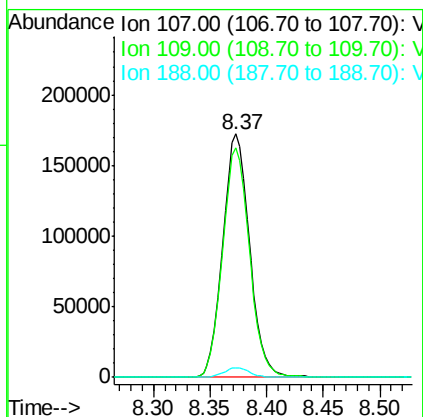
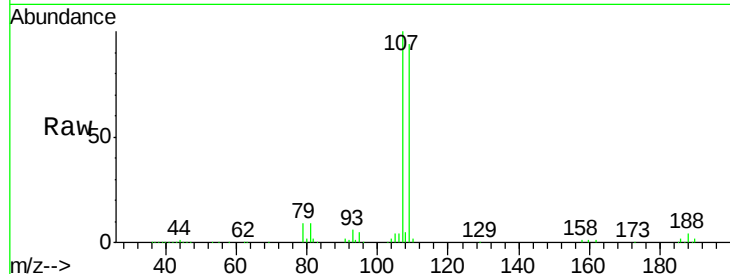




#50
1,2-Dibromoethane
Concen: 98.513 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

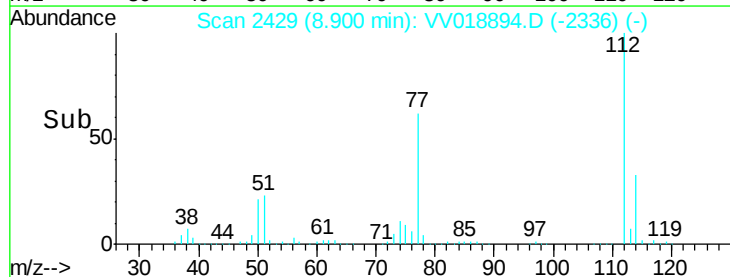
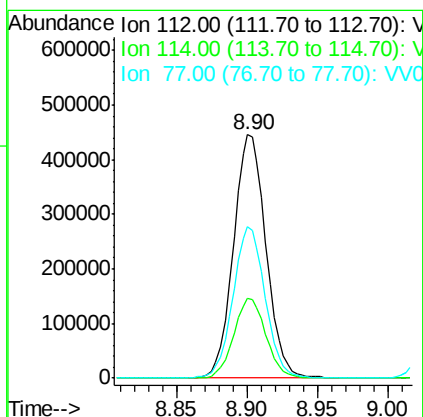
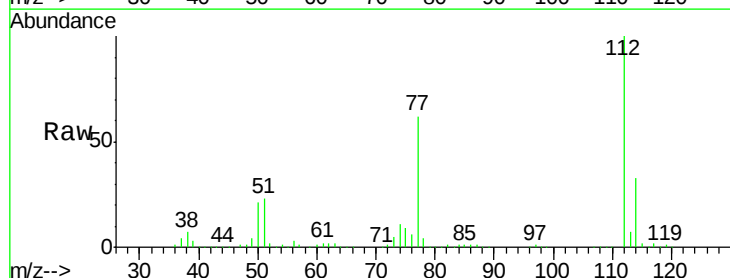
Instrument :
MSVOA_V
ClientSampleId :
VSTD10004

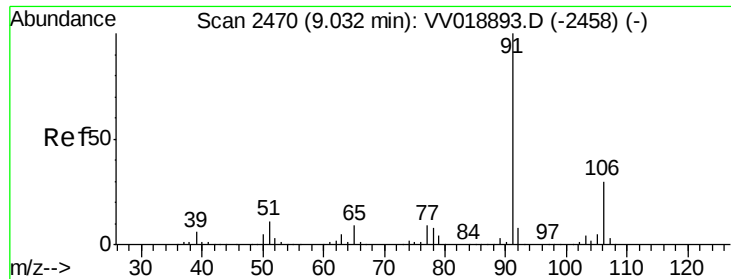
Tgt Ion:107 Resp: 285511
Ion Ratio Lower Upper
107 100
109 94.1 65.8 122.2
188 4.0 3.2 4.8



#51
Chlorobenzene
Concen: 95.550 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018894.D
Acq: 14 Oct 2020 14:22

Tgt Ion:112 Resp: 718548
Ion Ratio Lower Upper
112 100
114 32.7 21.8 40.6
77 62.1 49.2 73.8





#52

Ethylbenzene

Concen: 100.042 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

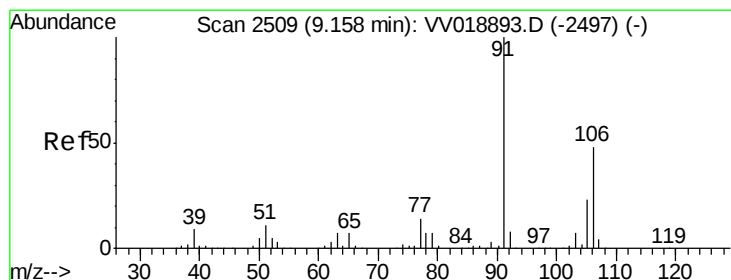
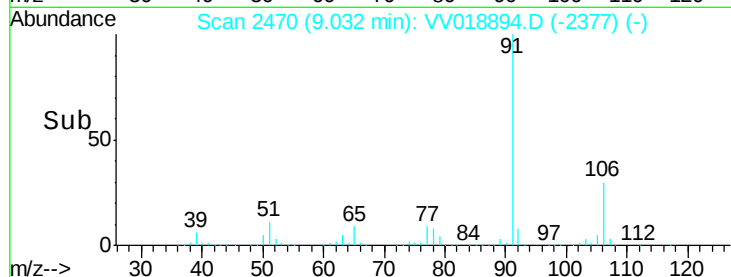
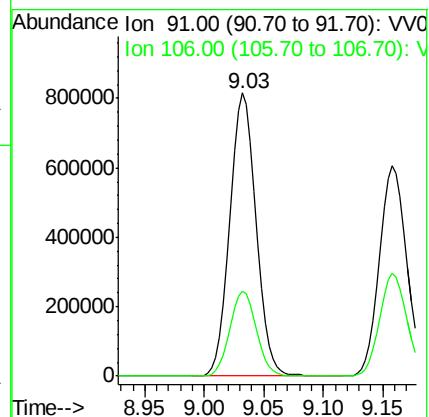
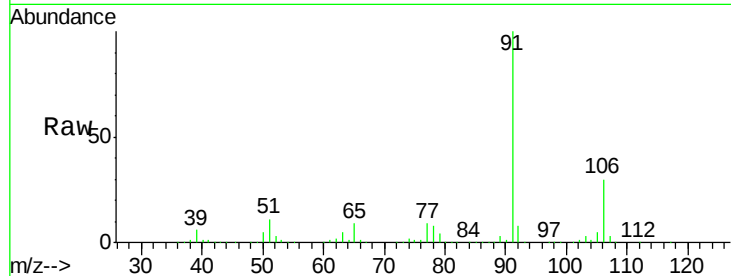
VSTD10004

Tgt Ion: 91 Resp: 1249199

Ion Ratio Lower Upper

91 100

106 30.2 20.9 38.9



#53

m,p-Xylene

Concen: 101.151 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018894.D

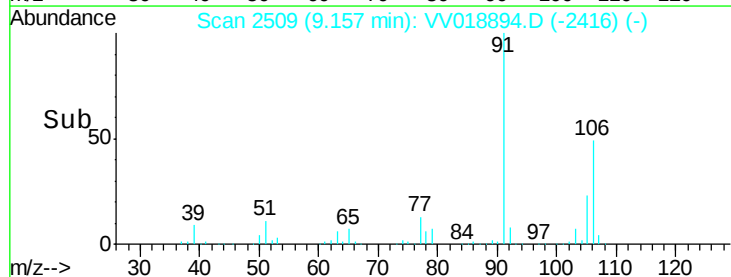
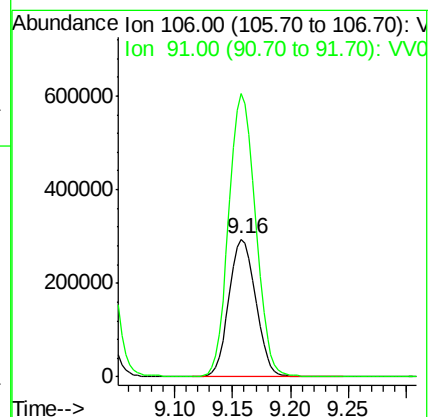
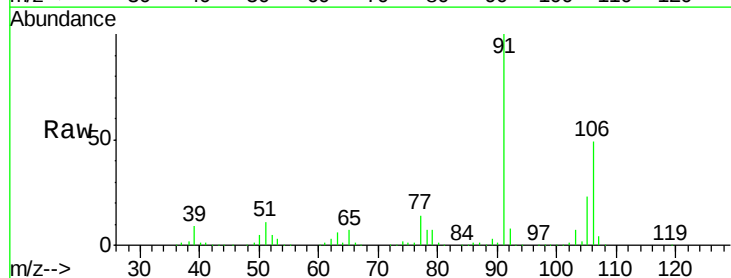
Acq: 14 Oct 2020 14:22

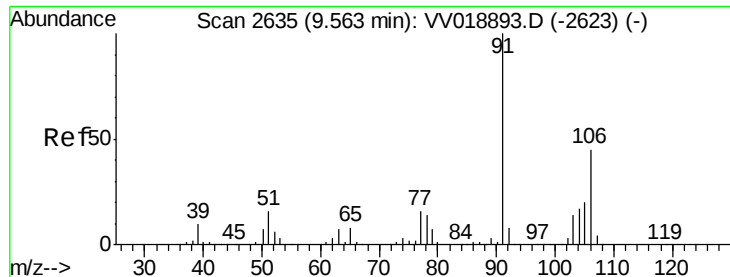
Tgt Ion: 106 Resp: 470550

Ion Ratio Lower Upper

106 100

91 205.0 145.9 270.9





#54

o-xylene

Concen: 102.706 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

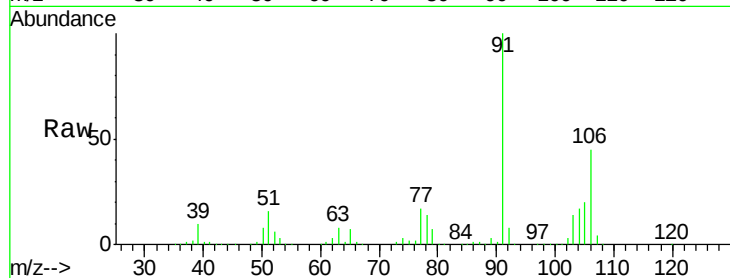
VSTD10004

Tgt Ion:106 Resp: 457100

Ion Ratio Lower Upper

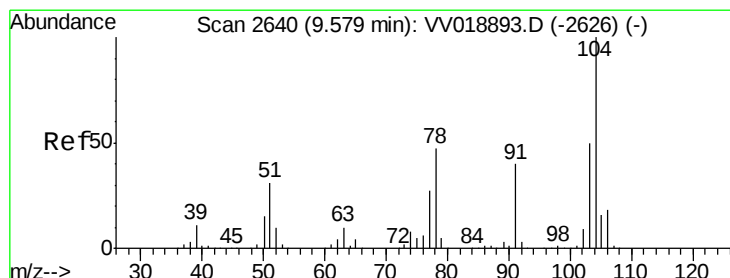
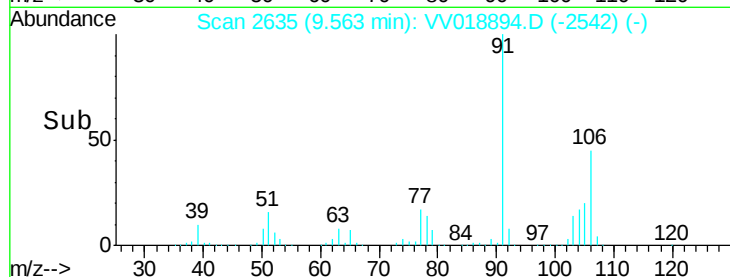
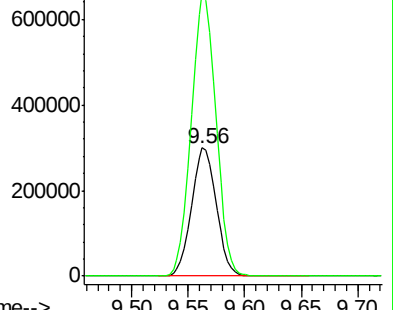
106 100

91 220.7 155.8 289.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 105.436 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018894.D

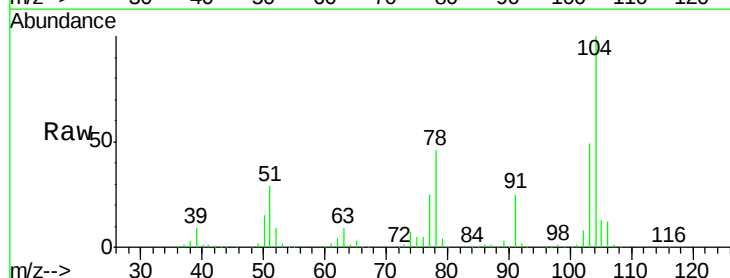
Acq: 14 Oct 2020 14:22

Tgt Ion:104 Resp: 825379

Ion Ratio Lower Upper

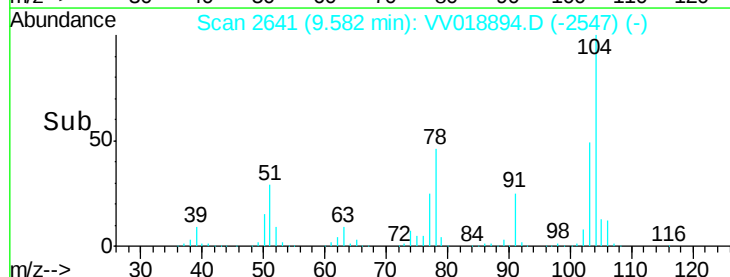
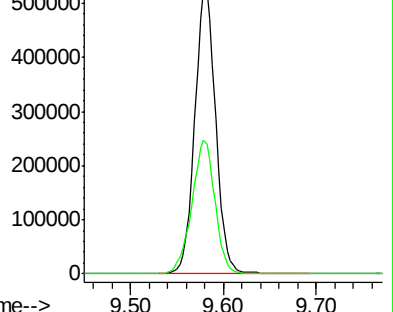
104 100

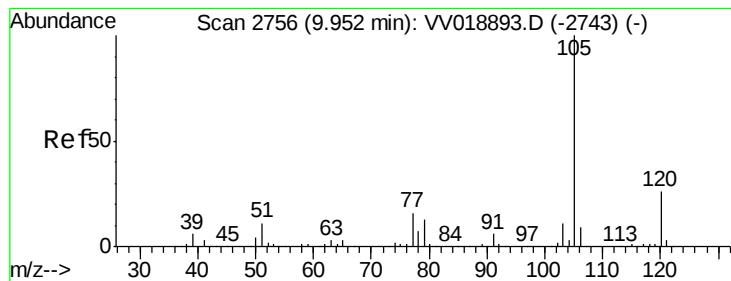
78 45.7 33.2 61.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 100.724 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

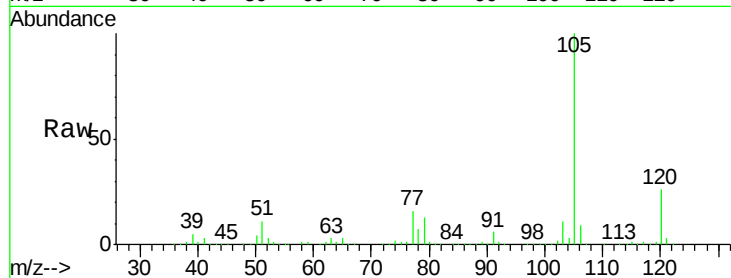
Tgt Ion:105 Resp: 1176852

Ion Ratio Lower Upper

105 100

120 25.9 20.4 30.6

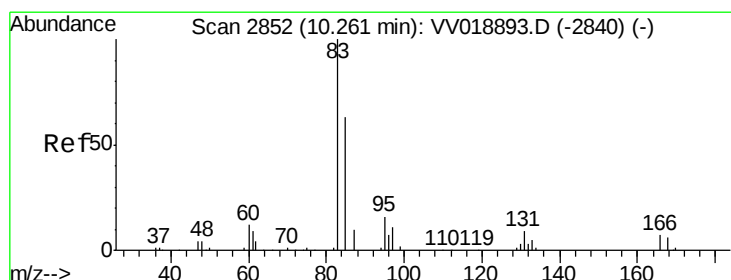
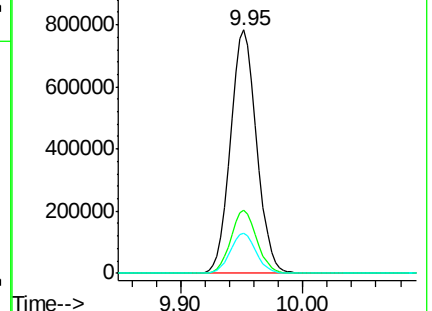
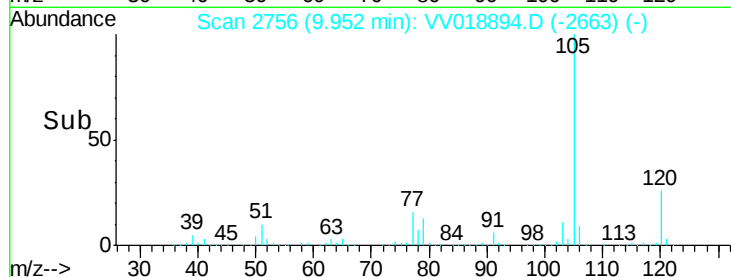
77 16.2 13.0 19.4



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: 105.627 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

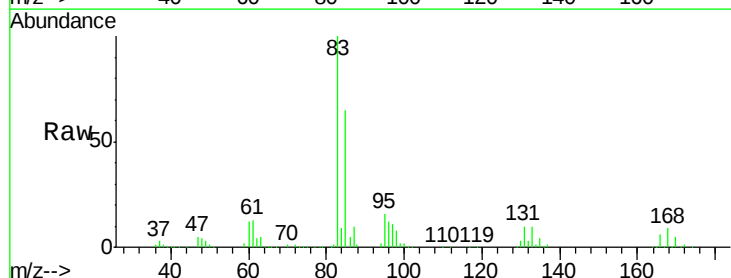
Tgt Ion: 83 Resp: 398859

Ion Ratio Lower Upper

83 100

85 64.9 44.7 82.9

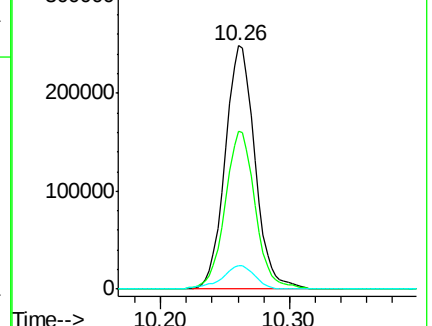
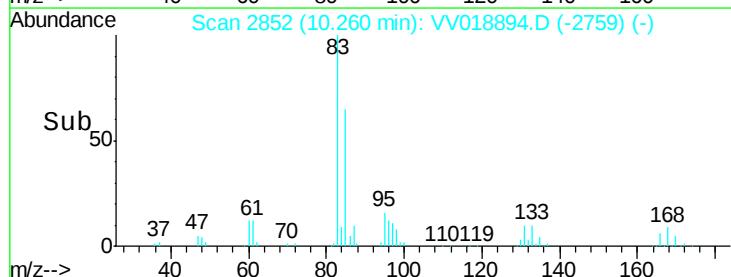
131 9.9 7.7 11.5

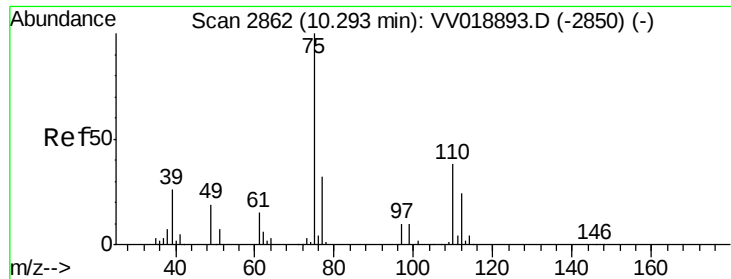


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 97.911 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

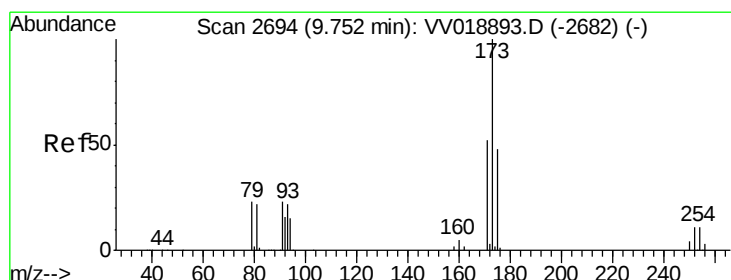
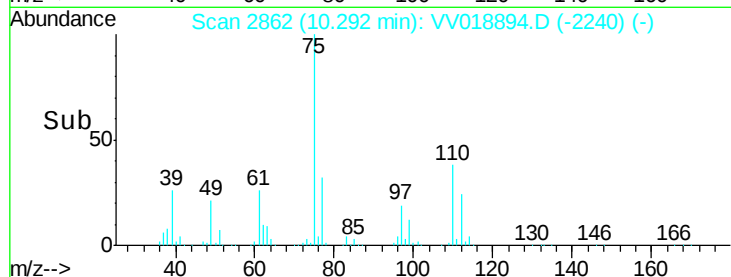
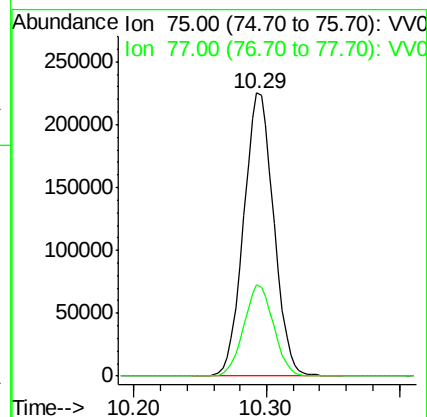
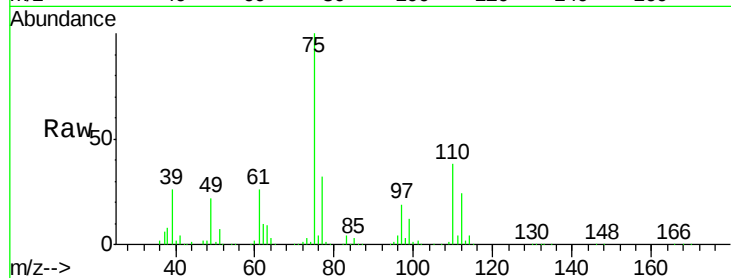
VSTD10004

Tgt Ion: 75 Resp: 354330

Ion Ratio Lower Upper

75 100

77 32.0 25.4 38.2



#61

Bromoform

Concen: 104.967 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

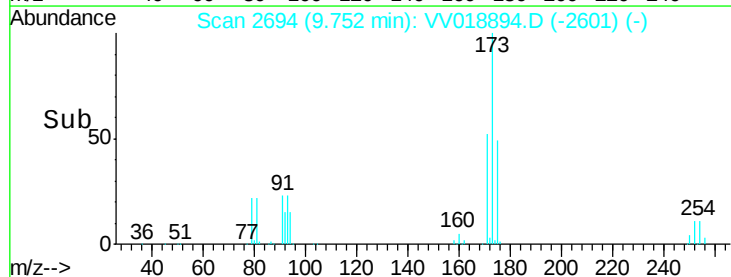
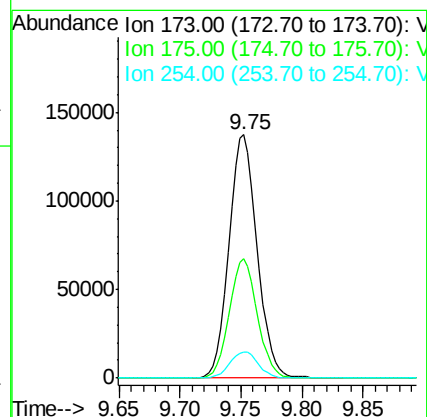
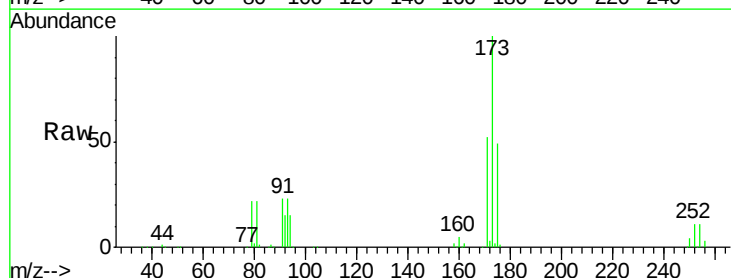
Tgt Ion: 173 Resp: 222549

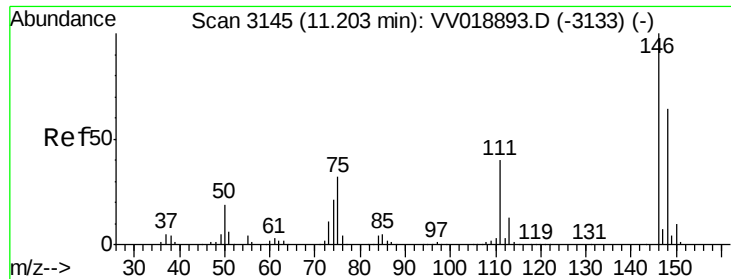
Ion Ratio Lower Upper

173 100

175 48.9 38.2 57.2

254 10.9 8.6 13.0





#62

1,3-Dichlorobenzene

Concen: 96.406 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

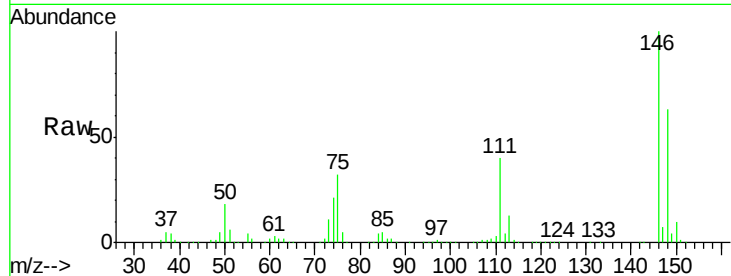
Tgt Ion:146 Resp: 580060

Ion Ratio Lower Upper

146 100

111 40.0 28.3 52.7

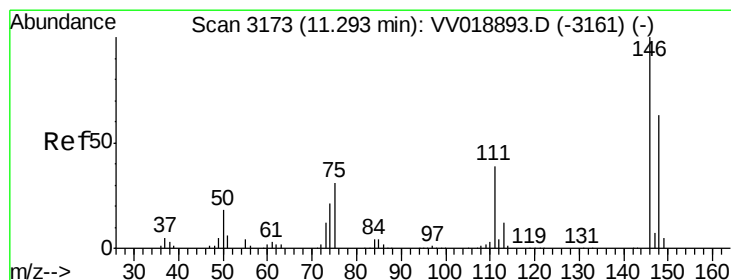
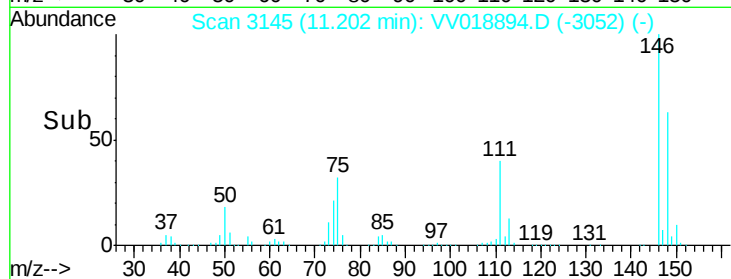
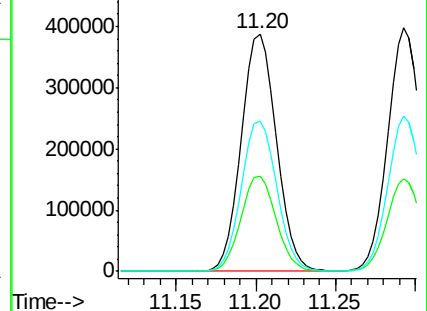
148 63.4 45.1 83.7



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



#63

1,4-Dichlorobenzene

Concen: 94.498 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

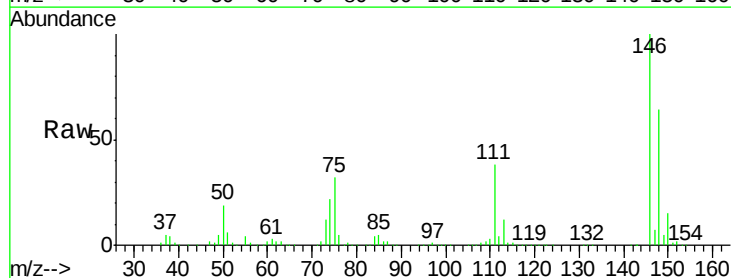
Tgt Ion:146 Resp: 597773

Ion Ratio Lower Upper

146 100

111 38.2 27.5 51.1

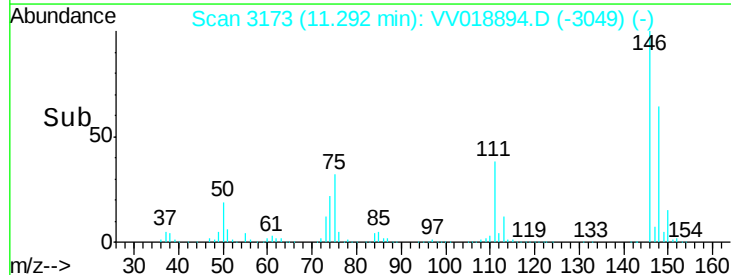
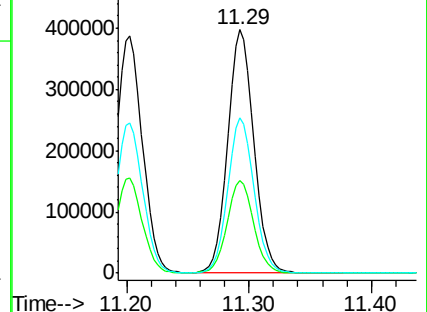
148 63.9 44.1 81.9

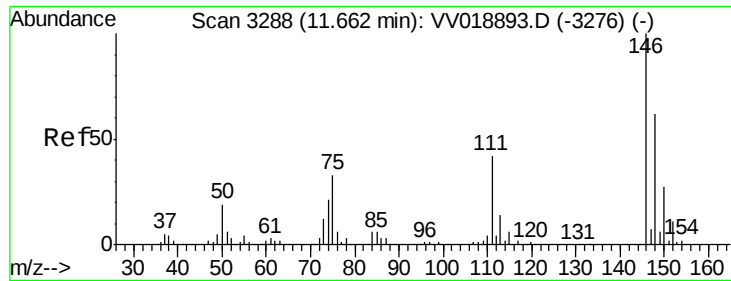


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 97.595 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

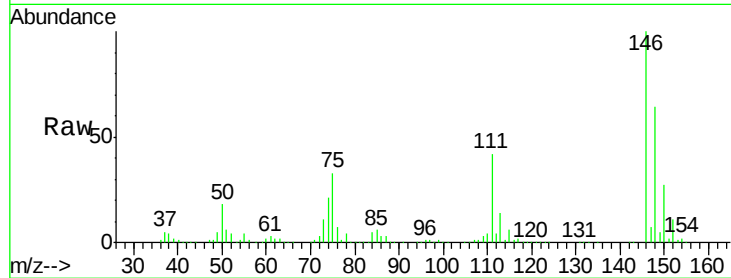
Tgt Ion:146 Resp: 592446

Ion Ratio Lower Upper

146 100

111 41.9 33.9 50.9

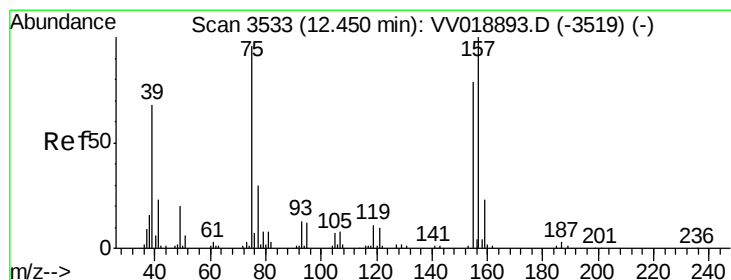
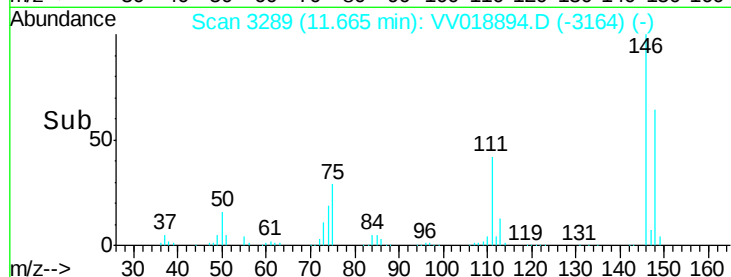
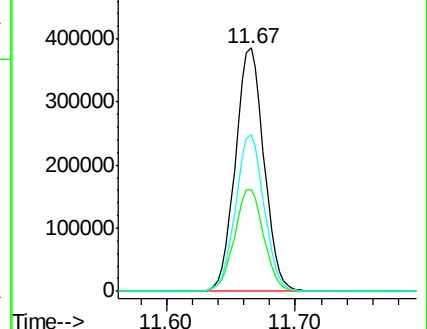
148 64.5 49.8 74.8



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: 104.508 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

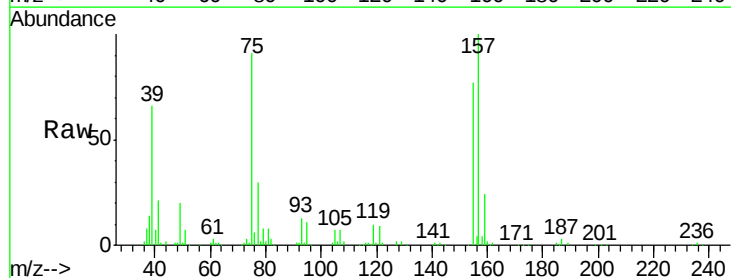
Tgt Ion: 75 Resp: 94542

Ion Ratio Lower Upper

75 100

155 84.1 65.7 98.5

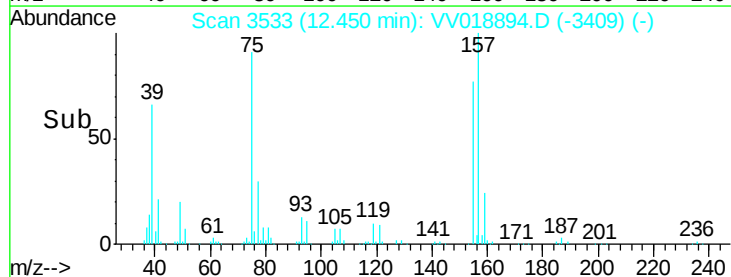
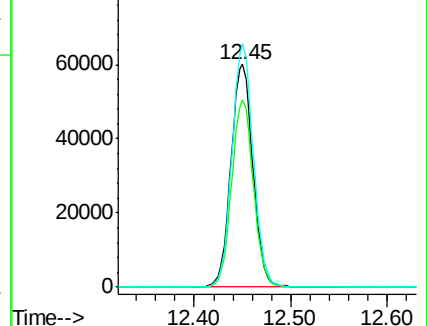
157 109.3 83.0 124.4

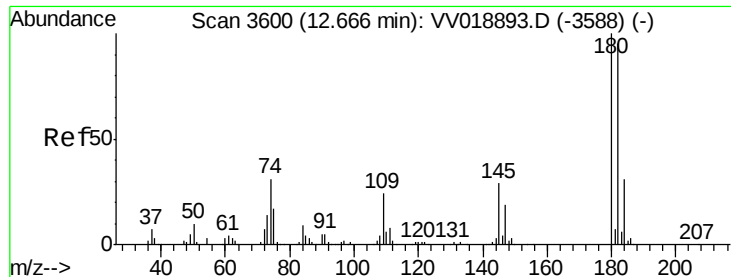


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

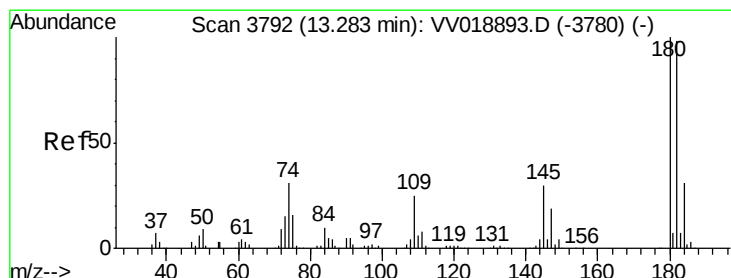
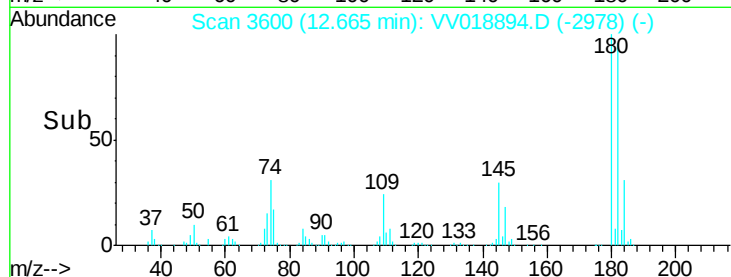
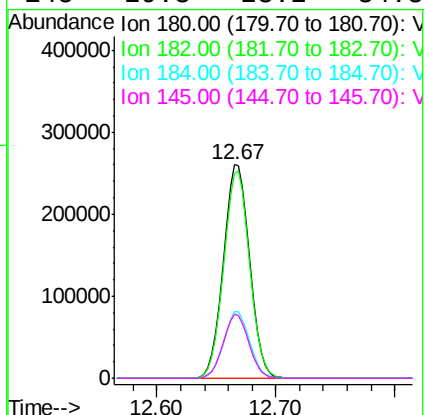
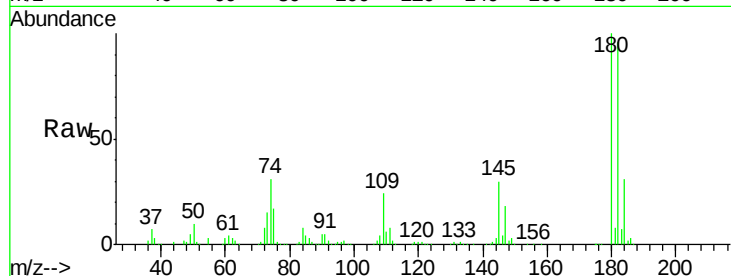




#67
 1,3,5-Trichlorobenzene
 Concen: 98.255 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018894.D
 Acq: 14 Oct 2020 14:22

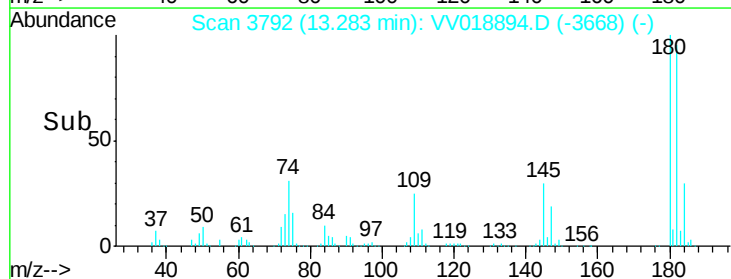
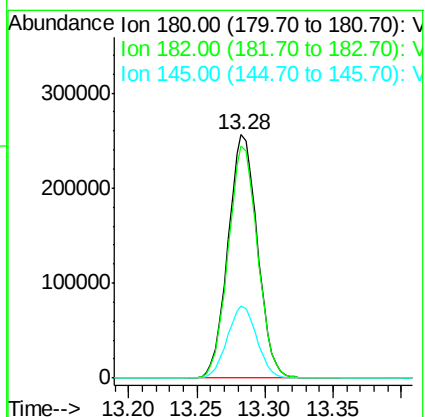
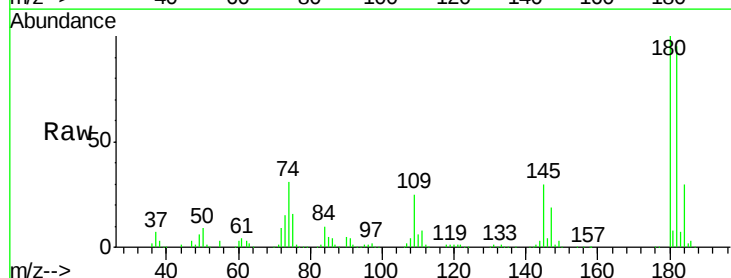
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10004

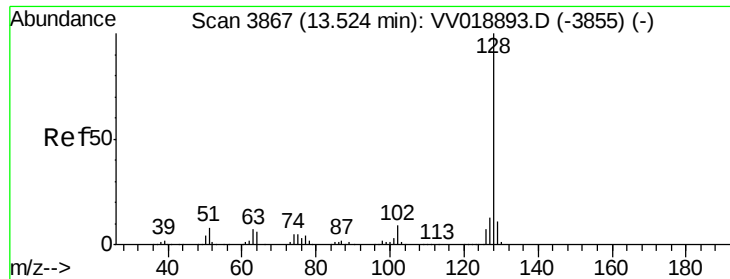
Tgt Ion:	180	Resp:	397125
Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.8	113.8
184	30.6	24.9	37.3
145	29.3	23.2	34.8



#68
 1,2,4-trichlorobenzene
 Concen: 103.101 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018894.D
 Acq: 14 Oct 2020 14:22

Tgt Ion:	180	Resp:	383978
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.5	114.7
145	29.7	23.7	35.5





#69

Naphthalene

Concen: 116.847 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

Instrument :

MSVOA_V

ClientSampleId :

VSTD10004

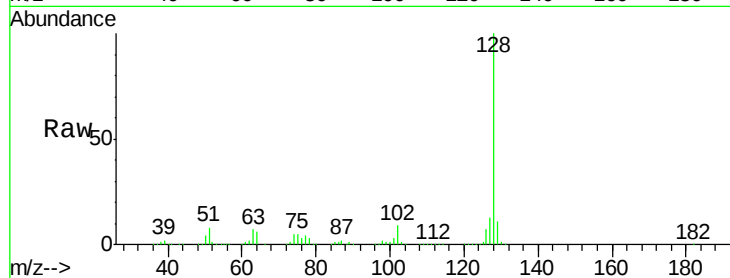
Tgt Ion:128 Resp: 1235004

Ion Ratio Lower Upper

128 100

127 13.1 10.7 16.1

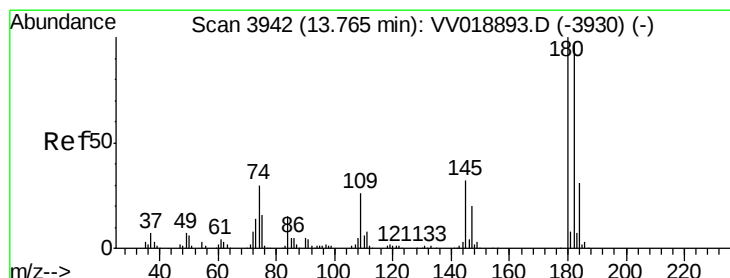
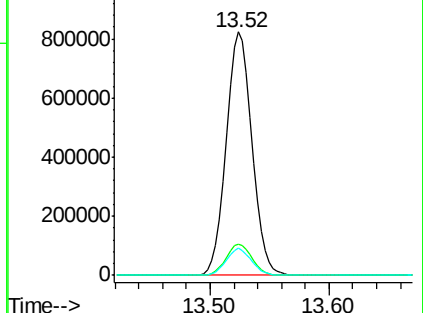
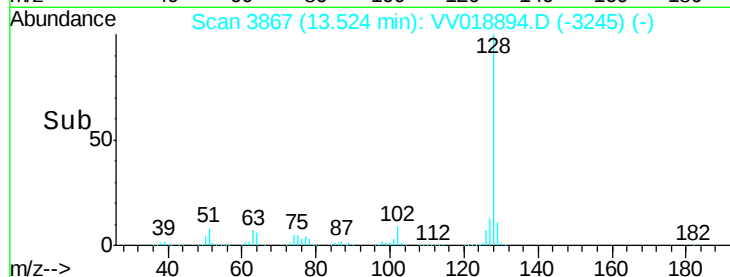
129 10.9 8.9 13.3



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: 103.727 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018894.D

Acq: 14 Oct 2020 14:22

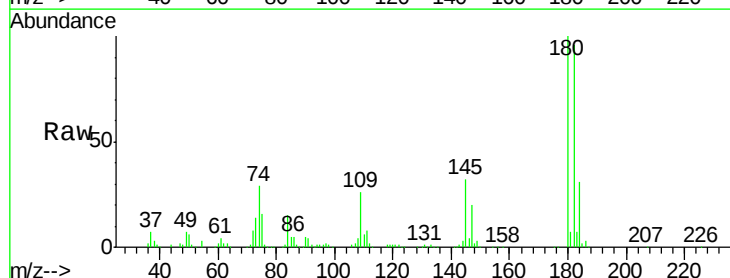
Tgt Ion:180 Resp: 386151

Ion Ratio Lower Upper

180 100

182 95.8 76.8 115.2

145 31.4 25.4 38.0



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

