

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
 Data File : VV018889.D
 Acq On : 13 Oct 2020 20:12
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Quant Time: Oct 14 01:37:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM100820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 01:28:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	342651	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	337490	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	178003	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	98735	31.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	63.42%
7) Chloroethane-d5	1.58	69	87472	34.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	69.80%#
11) 1,1-Dichloroethene-d2	2.12	63	215260	35.86	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	71.72%
21) 2-Butanone-d5	3.90	46	202410	105.88	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	105.88%
24) Chloroform-d	4.37	84	231930	42.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	84.44%
26) 1,2-Dichloroethane-d4	5.05	65	154366	41.46	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	82.92%
32) Benzene-d6	5.07	84	430121	39.60	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	79.20%
36) 1,2-Dichloropropane-d6	6.09	67	144278	40.74	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	81.48%
41) Toluene-d8	7.34	98	383597	39.79	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	79.58%#
43) trans-1,3-Dichloropropene-	7.64	79	69439	40.11	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	80.22%
47) 2-Hexanone-d5	8.11	63	128863	103.82	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.82%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	193572	47.51	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	95.02%
64) 1,2-Dichlorobenzene-d4	11.65	152	161516	41.00	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	82.00%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	129074	58.357	ug/L	99
3) Chloromethane	1.25	50	148642	51.224	ug/L	100
5) Vinyl chloride	1.32	62	146426	48.398	ug/L	99
6) Bromomethane	1.53	94	81827	45.894	ug/L	99
8) Chloroethane	1.59	64	92315	46.604	ug/L	97
9) Trichlorofluoromethane	1.76	101	199837	45.178	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101226	41.100	ug/L	99
12) 1,1-Dichloroethene	2.13	96	104788	44.187	ug/L	96
13) Acetone	2.18	43	137197	86.108	ug/L	98
14) Carbon disulfide	2.31	76	330074	47.020	ug/L	100
15) Methyl Acetate	2.44	43	153935	49.455	ug/L	99
16) Methylene chloride	2.52	84	135147	46.293	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	120812	48.263	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	399764	47.626	ug/L	100
19) 1,1-Dichloroethane	3.21	63	242636	49.390	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	131992	49.892	ug/L	98
22) 2-Butanone	3.99	43	208135	111.484	ug/L	96

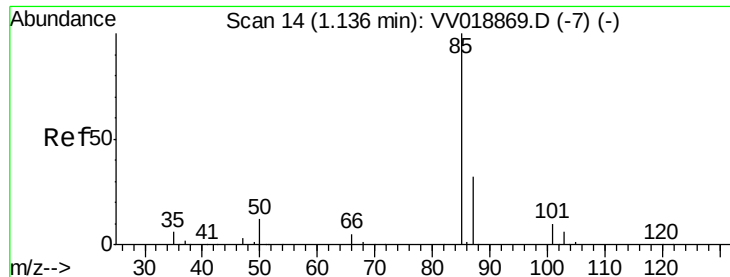
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV101320\
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 Quant Title : VOC Analysis
 QLast Update : Wed Oct 14 01:28:12 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	68185	49.713	uq/L	98
25) Chloroform	4.40	83	244297	48.454	uq/L	97
27) 1,2-Dichloroethane	5.15	62	202038	49.255	uq/L	99
29) Cyclohexane	4.70	56	184297	45.093	uq/L	98
30) 1,1,1-Trichloroethane	4.63	97	206566	45.923	uq/L	99
31) Carbon tetrachloride	4.85	117	175102	46.187	uq/L	100
33) Benzene	5.12	78	518989	48.472	uq/L	100
34) Trichloroethene	5.94	95	143686	46.627	uq/L	99
35) Methylcyclohexane	6.15	83	159886	42.403	uq/L	100
37) 1,2-Dichloropropane	6.20	63	142126	48.324	uq/L	99
38) Bromodichloromethane	6.53	83	180337	48.280	uq/L	98
39) cis-1,3-Dichloropropene	7.05	75	212571	51.161	uq/L	100
40) 4-Methyl-2-pentanone	7.24	43	423986	110.929	uq/L	100
42) Toluene	7.41	91	548251	49.852	uq/L	98
44) trans-1,3-Dichloropropene	7.67	75	209272	49.151	uq/L	99
45) 1,1,2-Trichloroethane	7.86	97	131444	49.761	uq/L	98
46) Tetrachloroethene	8.00	164	101272	44.842	uq/L	99
48) 2-Hexanone	8.16	43	332458	110.186	uq/L	99
49) Dibromochloromethane	8.27	129	141502	49.010	uq/L	99
50) 1,2-Dibromoethane	8.37	107	136307	50.453	uq/L	99
51) Chlorobenzene	8.90	112	344554	47.204	uq/L	99
52) Ethylbenzene	9.03	91	587076	47.008	uq/L	100
53) m,p-Xylene	9.16	106	218970	47.765	uq/L	99
54) o-xylene	9.56	106	213234	48.974	uq/L	98
55) Styrene	9.58	104	389588	50.554	uq/L	95
56) Isopropylbenzene	9.95	105	544276	45.178	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	194022	52.656	uq/L	99
59) 1,2,3-Trichloropropane	10.30	75	175003	50.006	uq/L	100
61) Bromoform	9.75	173	100730	51.003	uq/L	98
62) 1,3-Dichlorobenzene	11.20	146	271036	46.704	uq/L	100
63) 1,4-Dichlorobenzene	11.29	146	280501	46.465	uq/L	97
65) 1,2-Dichlorobenzene	11.67	146	277217	47.581	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	43252	53.818	uq/L	100
67) 1,3,5-Trichlorobenzene	12.67	180	177907	47.330	uq/L	99
68) 1,2,4-trichlorobenzene	13.29	180	167768	47.464	uq/L	100
69) Naphthalene	13.52	128	538290	54.051	uq/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	179731	51.224	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 58.357 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

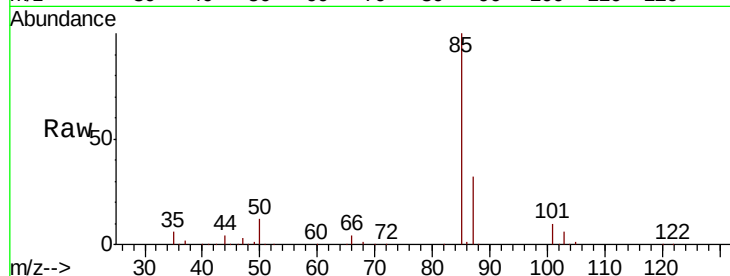
VSTD05088

Tot Ion: 85 Resp: 129074

Ion Ratio Lower Upper

85 100

87 31.6 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018889.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018889.D (-1) (-)

1.14

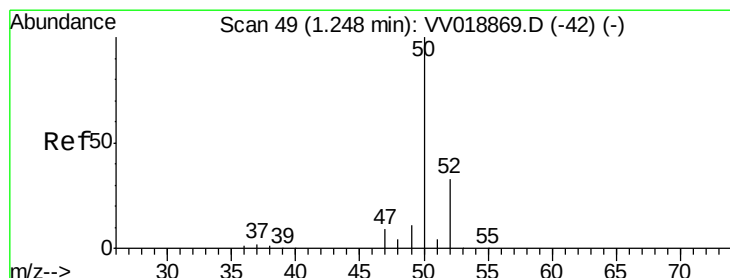
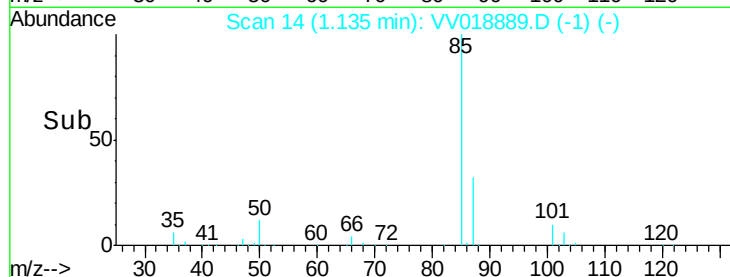
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.224 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018889.D

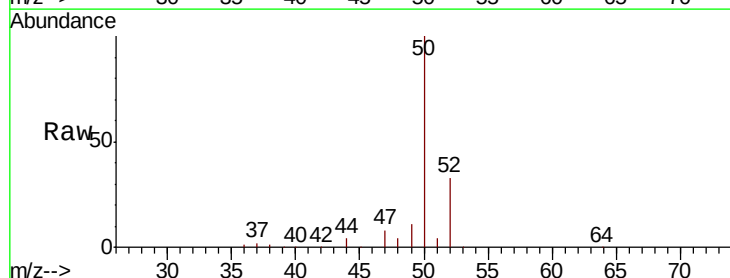
Acq: 13 Oct 2020 20:12

Tgt Ion: 50 Resp: 148642

Ion Ratio Lower Upper

50 100

52 32.7 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018889.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018889.D (-1) (-)

1.25

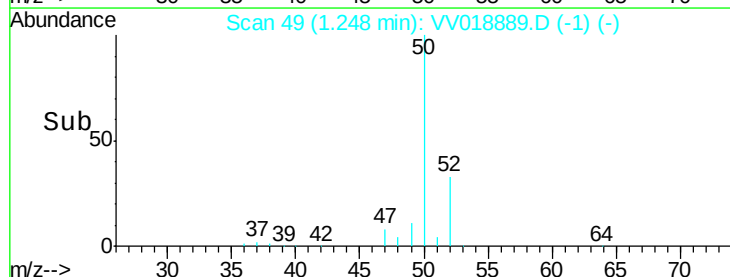
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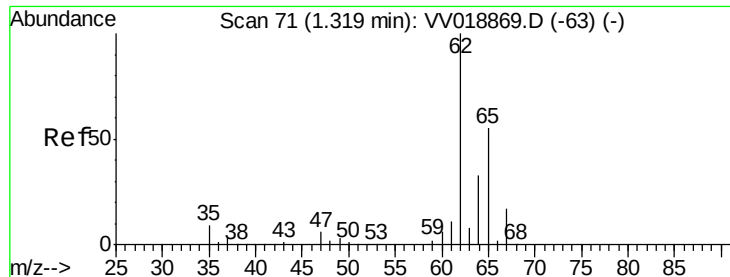
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 48.398 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

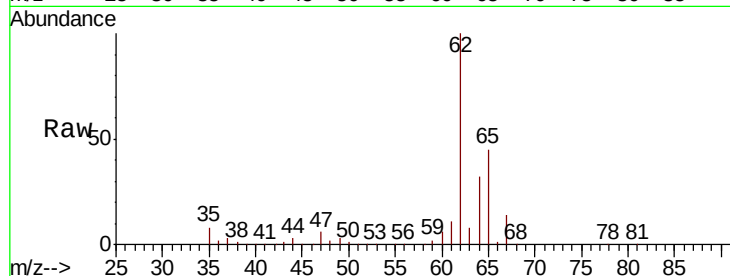
VSTD05088

Tot Ion: 62 Resp: 146426

Ion Ratio Lower Upper

62 100

64 32.5 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

150000

100000

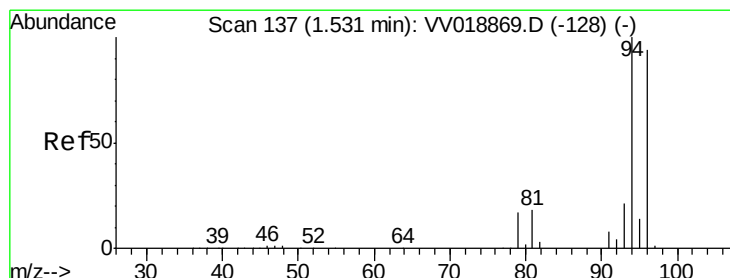
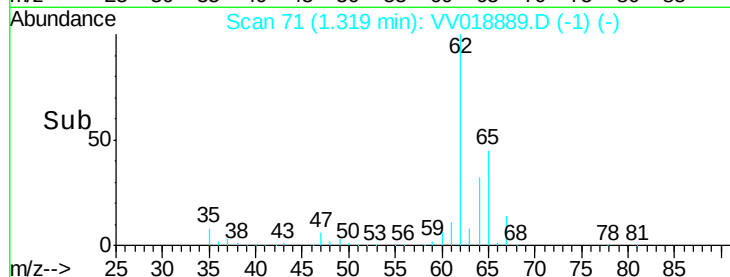
50000

0

1.32

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 45.894 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018889.D

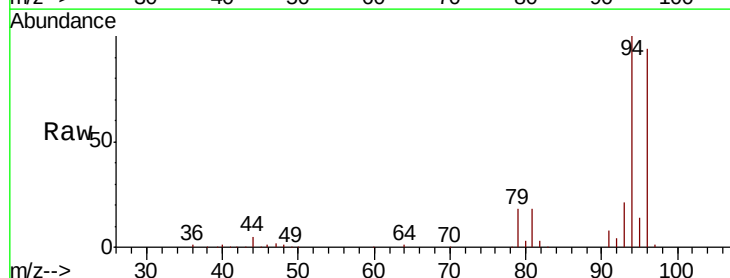
Acq: 13 Oct 2020 20:12

Tgt Ion: 94 Resp: 81827

Ion Ratio Lower Upper

94 100

96 93.9 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

80000

60000

40000

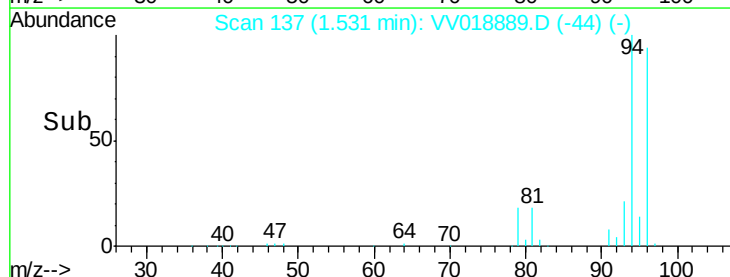
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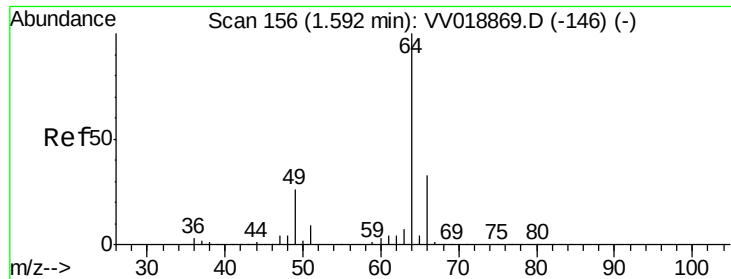
0

1.53

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 46.604 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

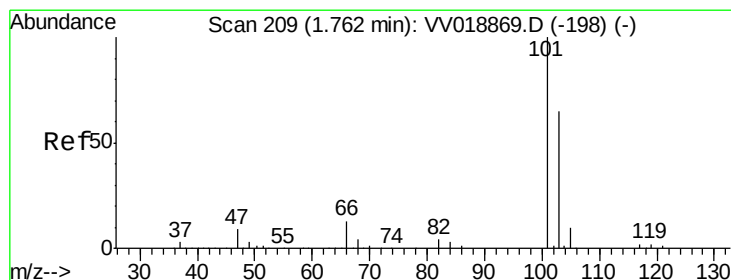
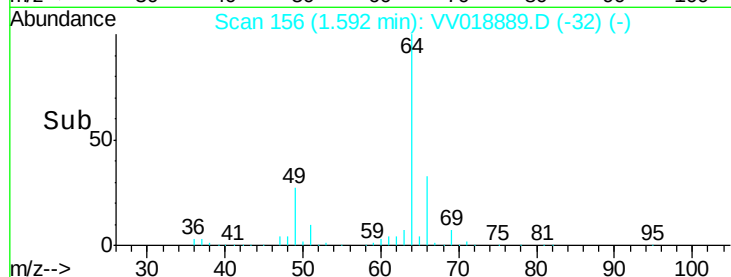
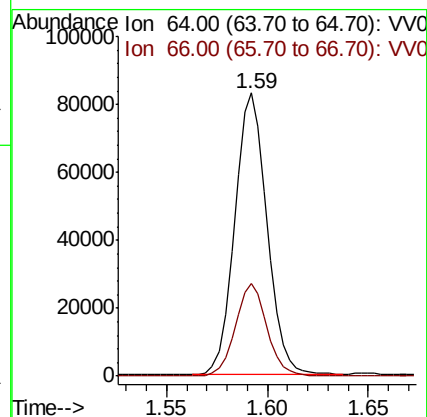
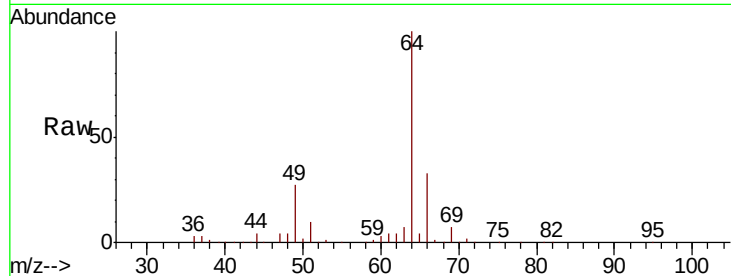
VSTD05088

Tot Ion: 64 Resp: 92315

Ion Ratio Lower Upper

64 100

66 32.6 21.7 40.3



#9

Trichlorofluoromethane

Concen: 45.178 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV018889.D

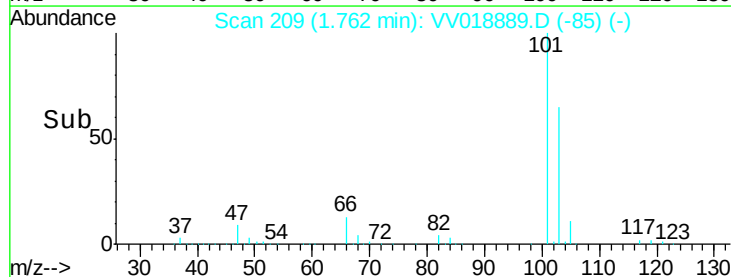
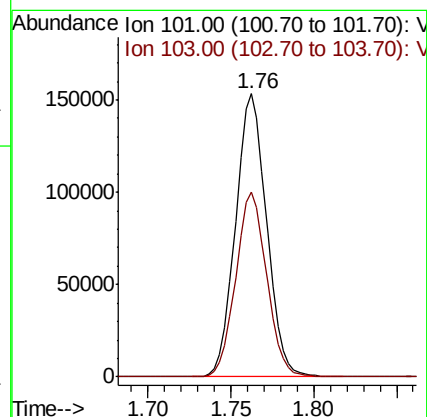
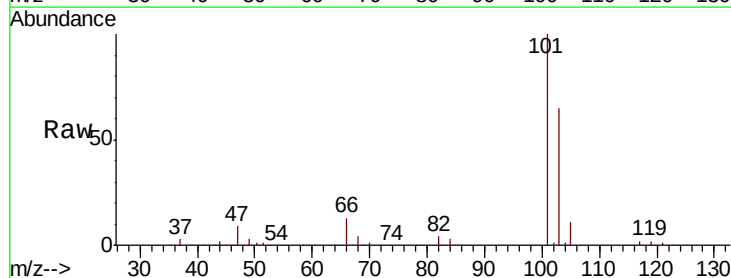
Acq: 13 Oct 2020 20:12

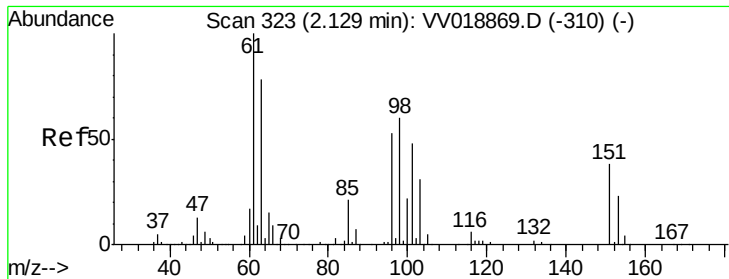
Tgt Ion:101 Resp: 199837

Ion Ratio Lower Upper

101 100

103 65.0 51.6 77.4





#10

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

Concen: 41.100 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

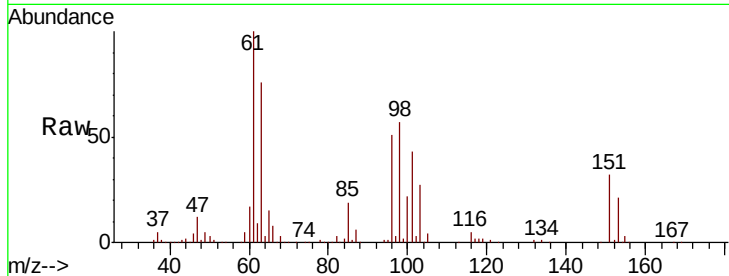
Tot Ion:101 Resp: 101226

Ion Ratio Lower Upper

101 100

85 44.3 35.9 53.9

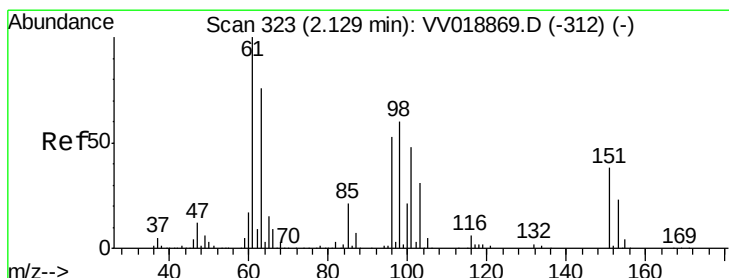
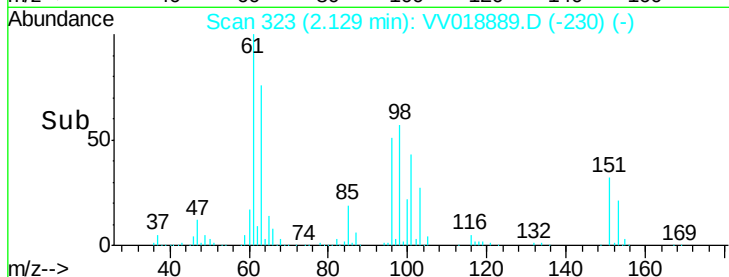
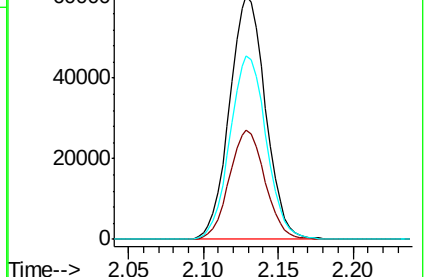
151 76.1 59.8 89.8



Abundance Ion 101.00 (100.70 to 101.70): VV018889.D (-230) (-)

Ion 85.00 (84.70 to 85.70): VV018889.D (-230) (-)

Ion 151.00 (150.70 to 151.70): VV018889.D (-230) (-)



#12

1,1-Dichloroethene

Concen: 44.187 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

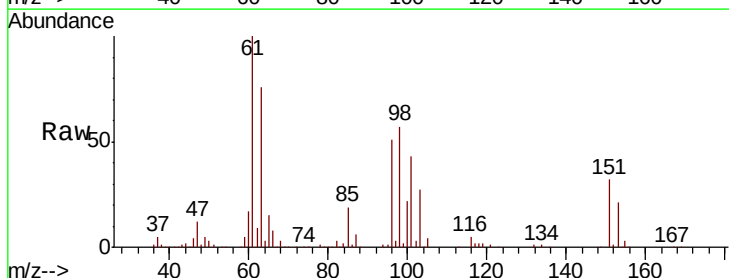
Tgt Ion: 96 Resp: 104788

Ion Ratio Lower Upper

96 100

61 196.6 133.6 248.0

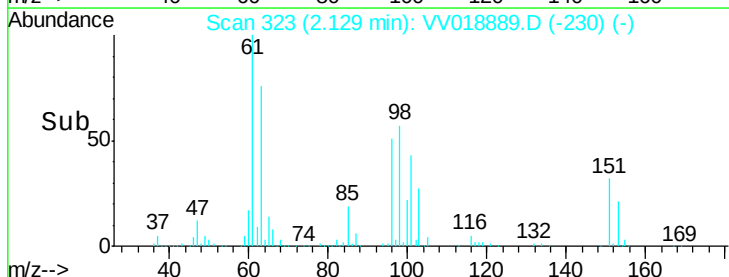
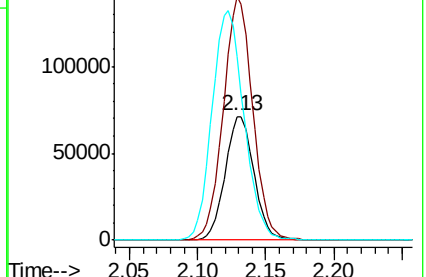
63 148.5 108.4 201.4

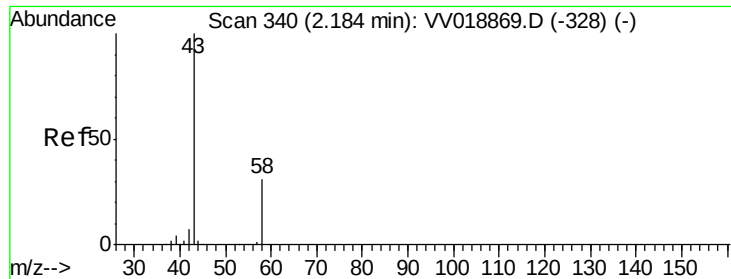


Abundance Ion 96.00 (95.70 to 96.70): VV018889.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV018889.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV018889.D (-230) (-)





#13

Acetone

Concen: 86.108 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

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Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

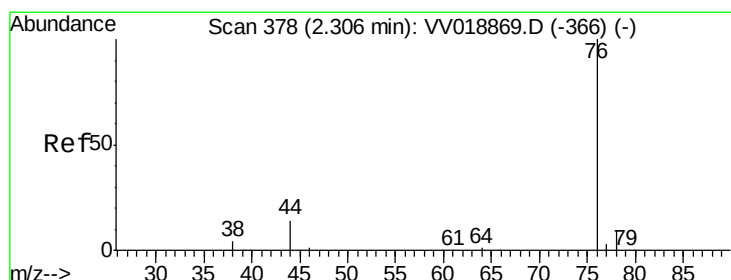
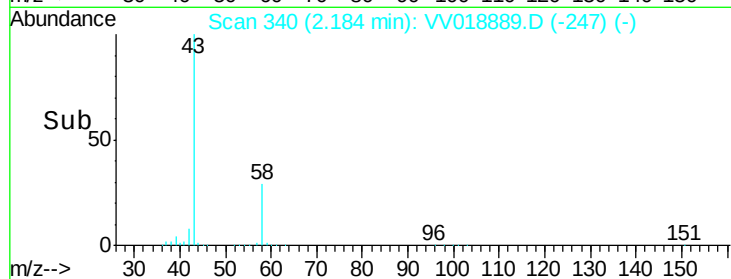
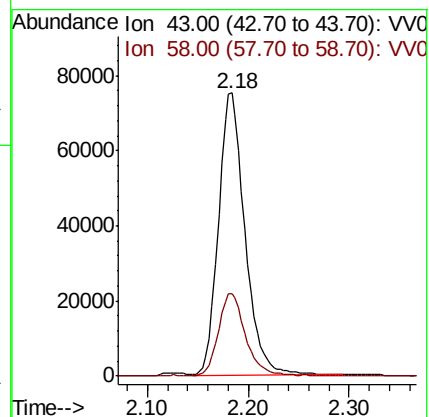
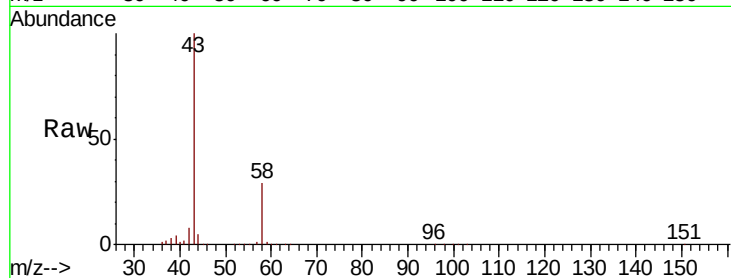
VSTD05088

Tot Ion: 43 Resp: 137197

Ion Ratio Lower Upper

43 100

58 29.3 0.0 61.0



#14

Carbon disulfide

Concen: 47.020 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018889.D

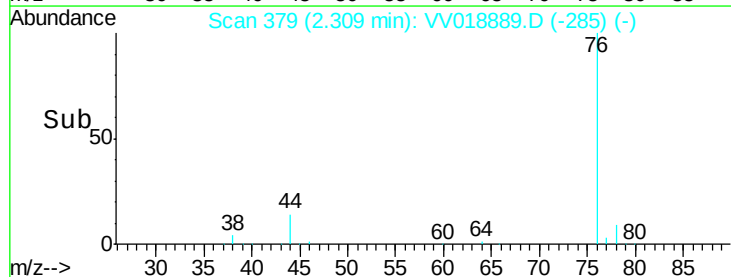
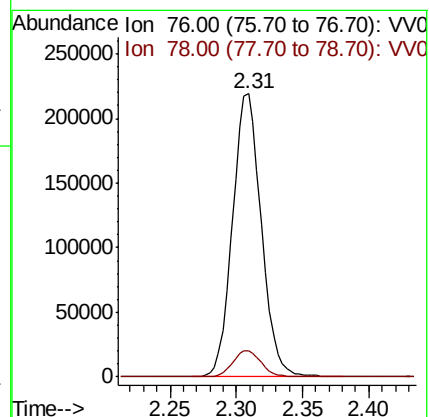
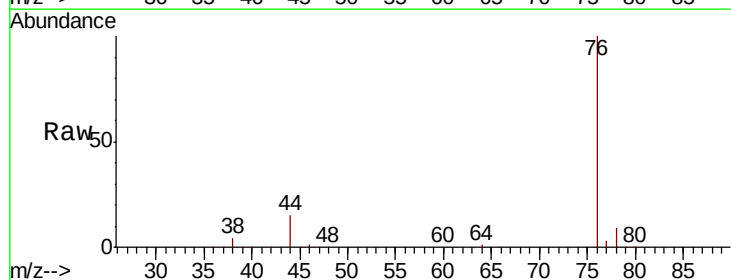
Acq: 13 Oct 2020 20:12

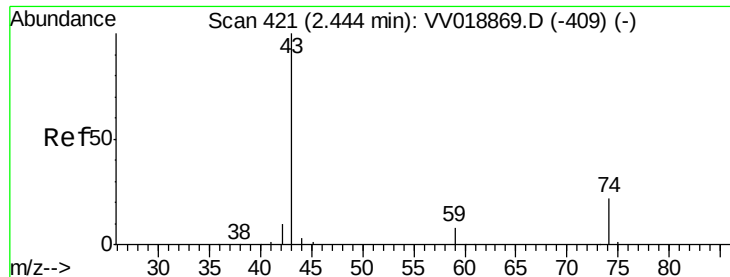
Tgt Ion: 76 Resp: 330074

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0

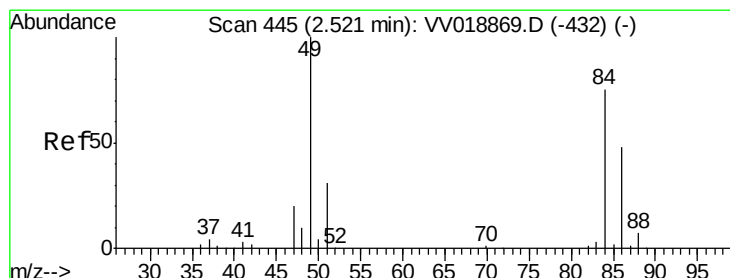
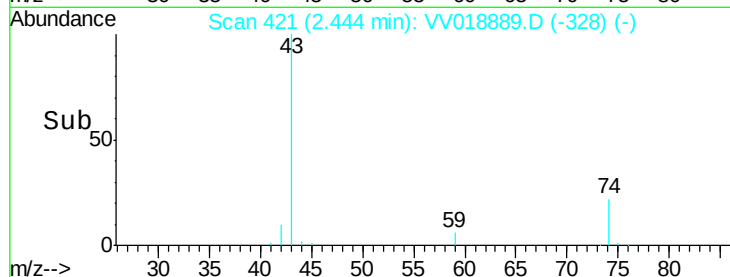
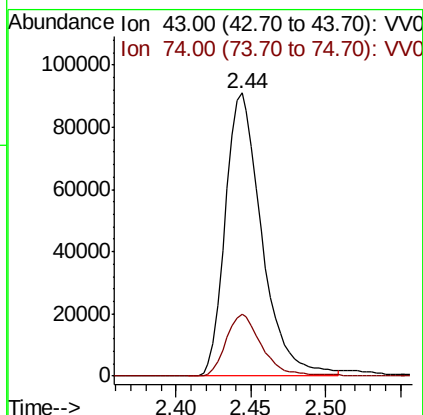
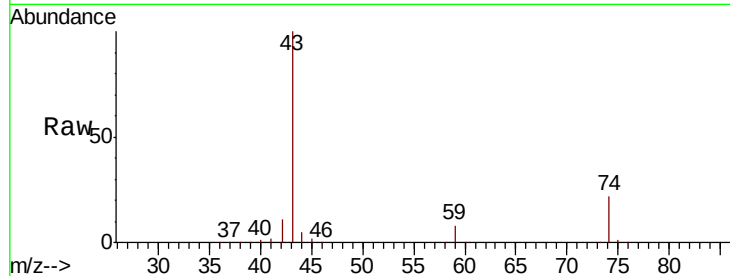




#15
Methyl Acetate
Concen: 49.455 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

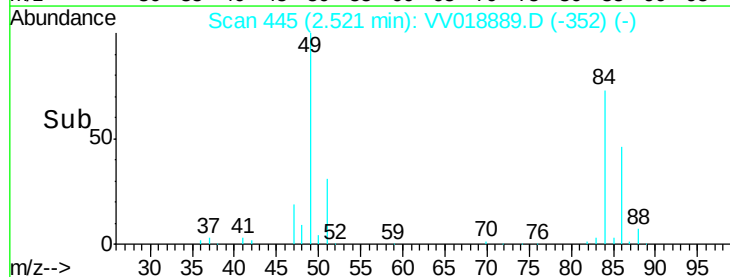
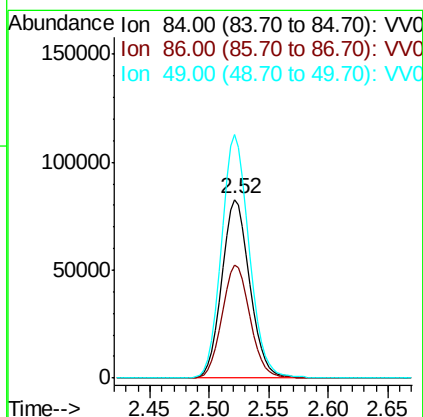
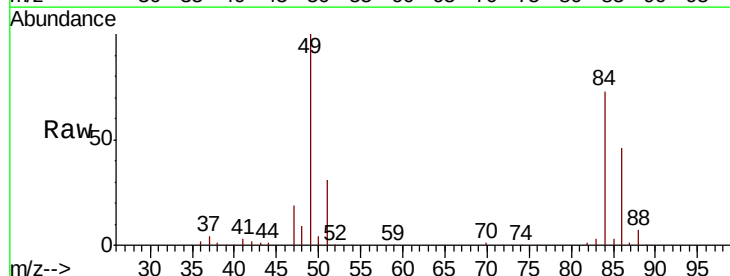
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

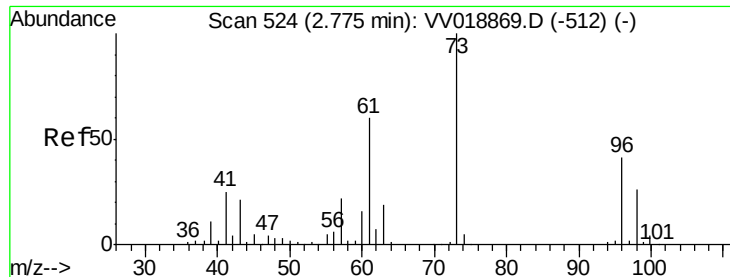
Tot Ion: 43 Resp: 153935
Ion Ratio Lower Upper
43 100
74 21.6 16.9 25.3



#16
Methylene chloride
Concen: 46.293 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion: 84 Resp: 135147
Ion Ratio Lower Upper
84 100
86 63.0 45.2 84.0
49 136.3 97.9 181.9

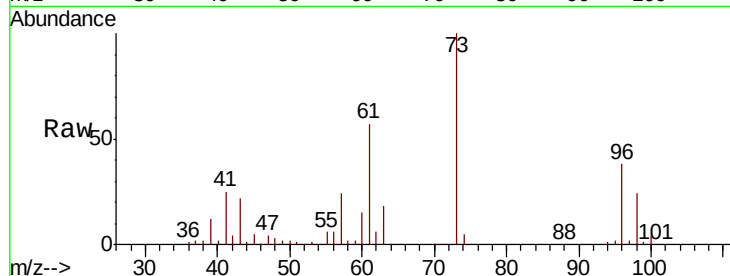




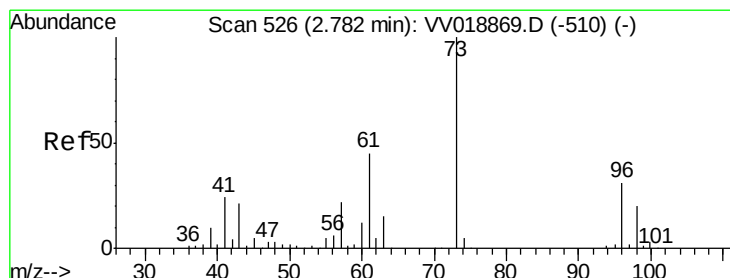
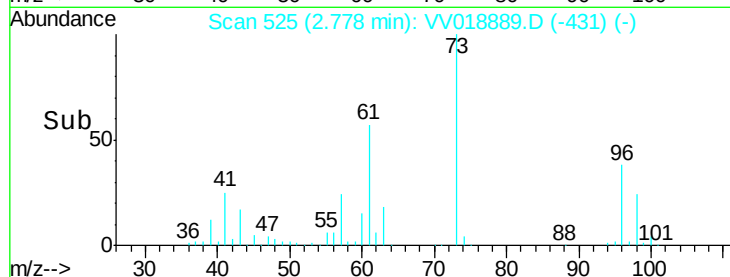
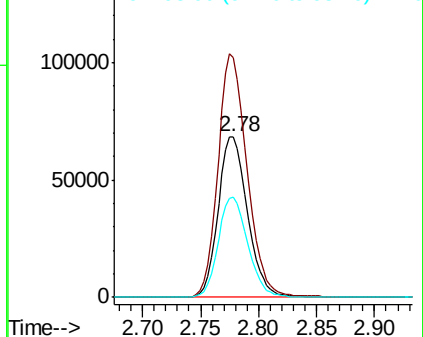
#17
trans-1,2-Dichloroethene
Concen: 48.263 ug/L
RT: 2.78 min Scan# 525
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Instrument :
MSVOA_V
ClientSampled :
VSTD05088

Tot Ion: 96 Resp: 120812
Ion Ratio Lower Upper
96 100
61 149.4 105.7 196.3
98 62.4 44.7 83.1

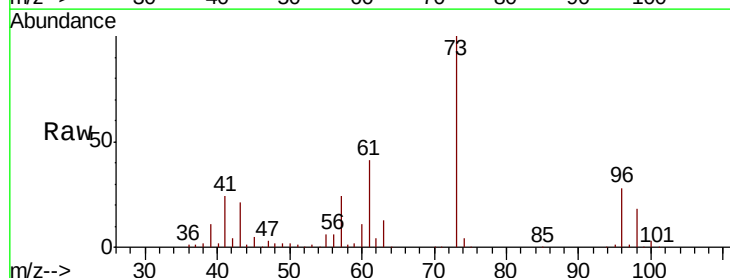


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

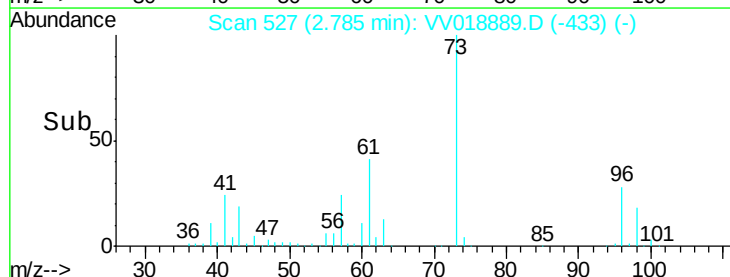
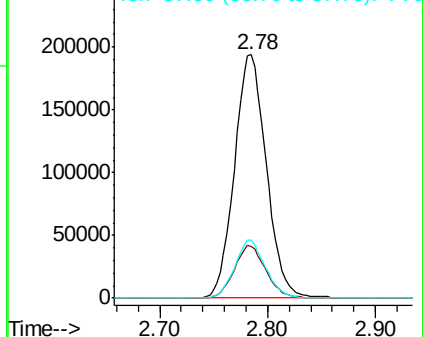


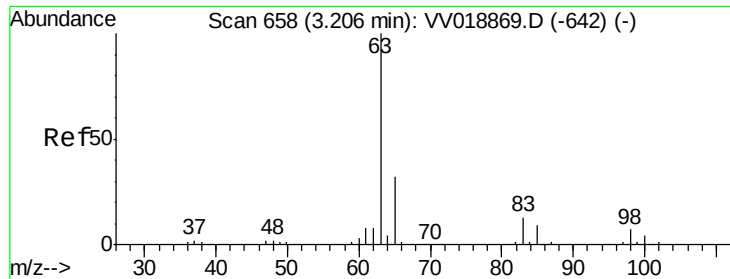
#18
Methyl tert-butyl Ether
Concen: 47.626 ug/L
RT: 2.78 min Scan# 527
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion: 73 Resp: 399764
Ion Ratio Lower Upper
73 100
43 21.2 17.3 25.9
57 23.1 18.5 27.7



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 49.390 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

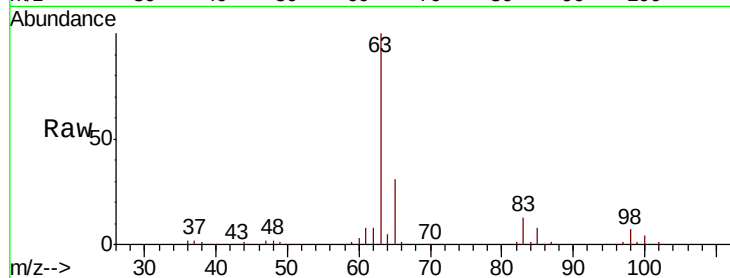
Tot Ion: 63 Resp: 242636

Ion Ratio Lower Upper

63 100

65 31.2 22.0 40.8

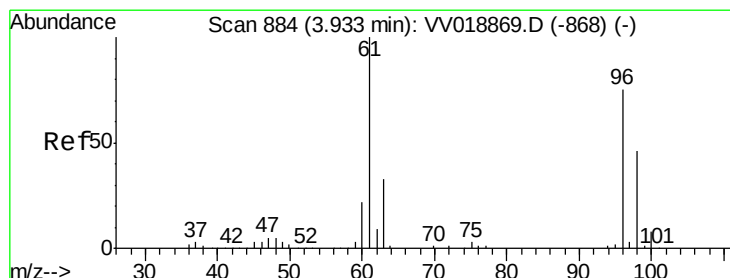
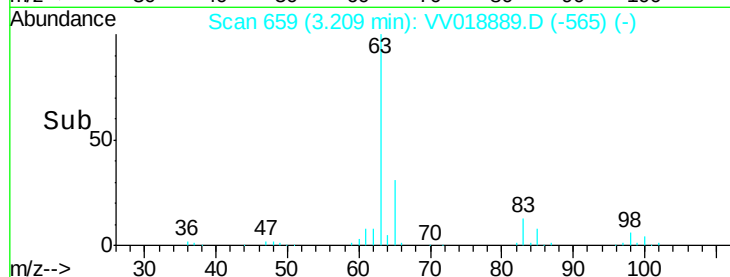
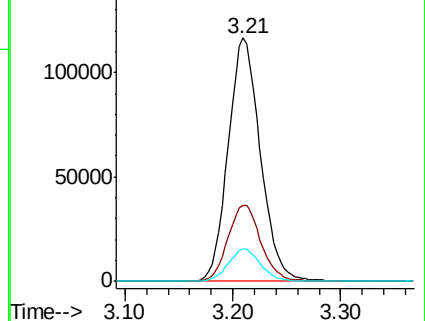
83 13.3 9.2 17.0



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: 49.892 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

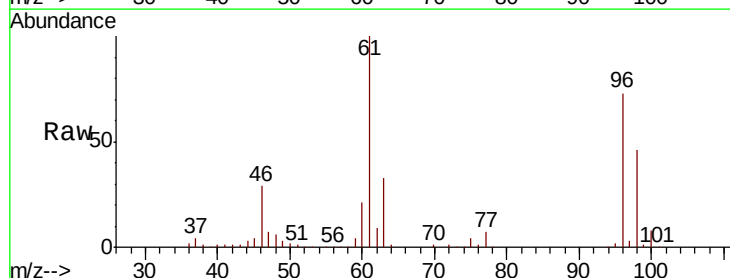
Tgt Ion: 96 Resp: 131992

Ion Ratio Lower Upper

96 100

61 137.1 97.3 180.7

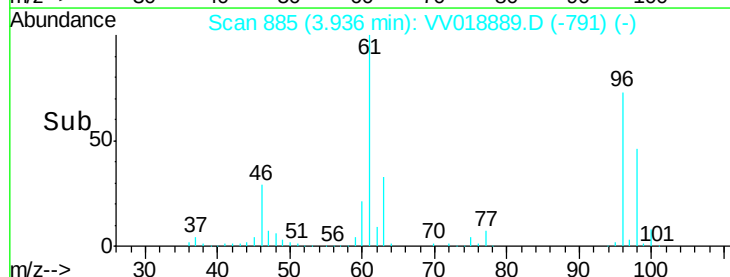
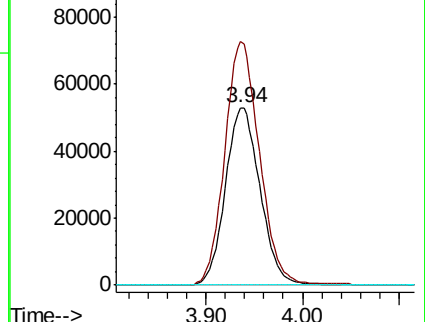
68 0.0 0.0 0.0

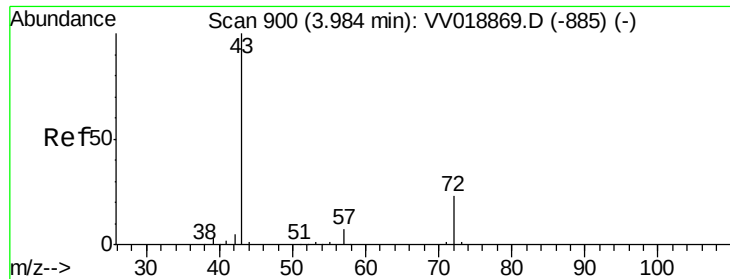


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 111.484 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

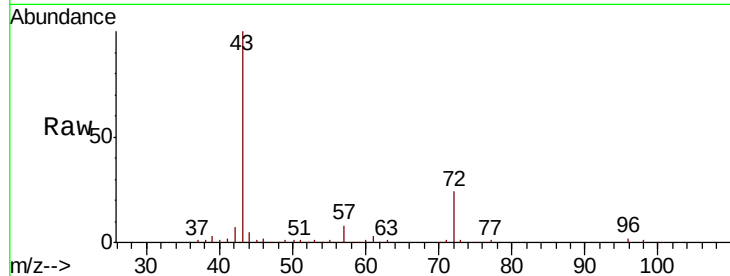
VSTD05088

Tot Ion: 43 Resp: 208135

Ion Ratio Lower Upper

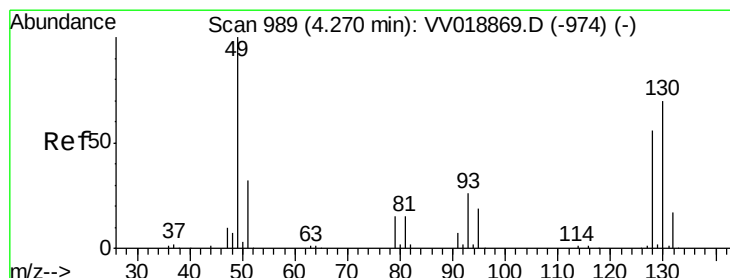
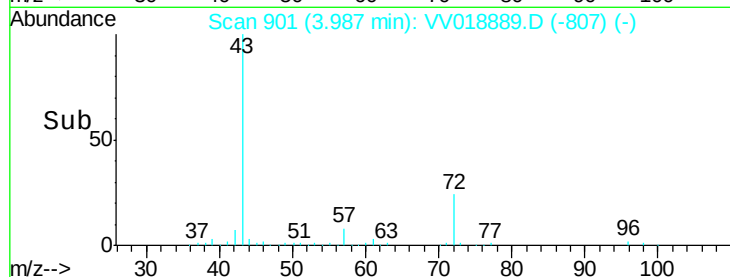
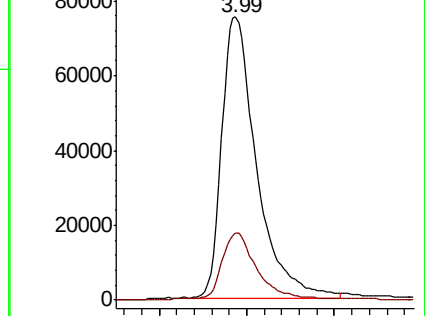
43 100

72 22.9 10.5 31.5



Abundance Ion 43.00 (42.70 to 43.70): VV018889.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018889.D (-885) (-)



#23

Bromochloromethane

Concen: 49.713 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Tgt Ion:128 Resp: 68185

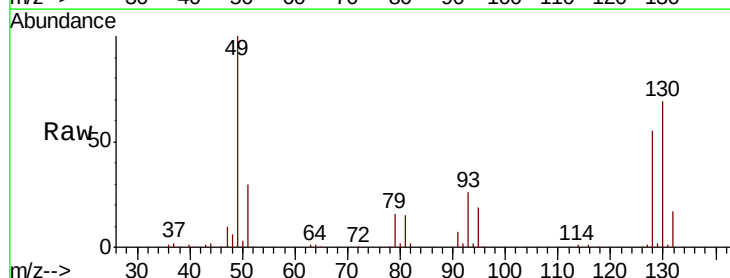
Ion Ratio Lower Upper

128 100

49 183.1 129.7 240.9

130 127.2 86.7 161.1

51 55.4 45.9 68.9

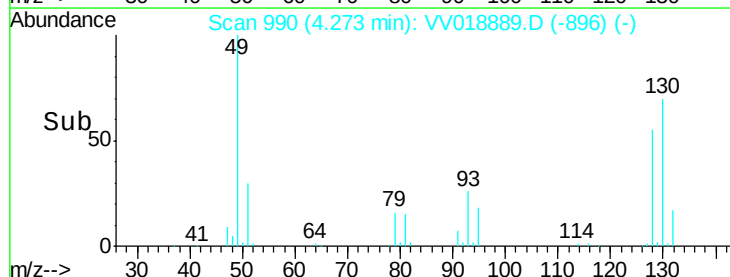
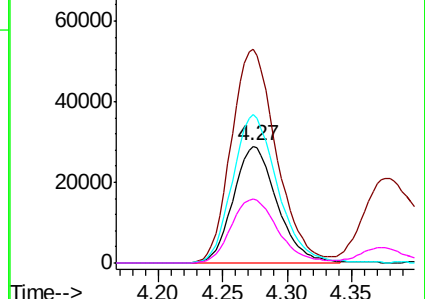


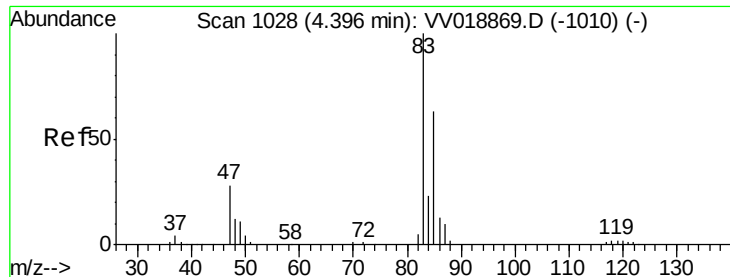
Abundance Ion 128.00 (127.70 to 128.70): VV018889.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV018889.D (-974) (-)

Ion 130.00 (129.70 to 130.70): VV018889.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV018889.D (-974) (-)

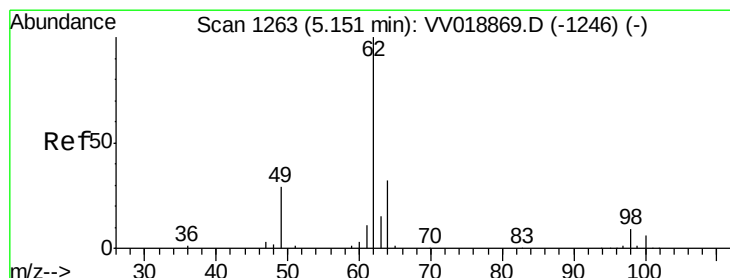
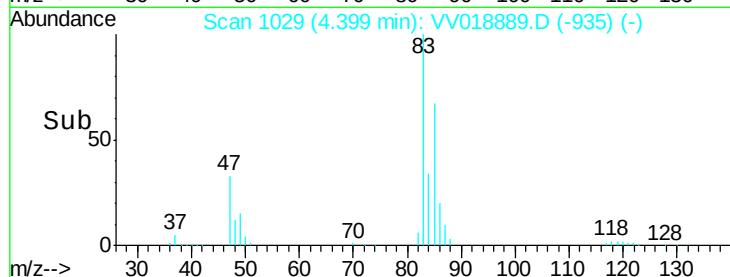
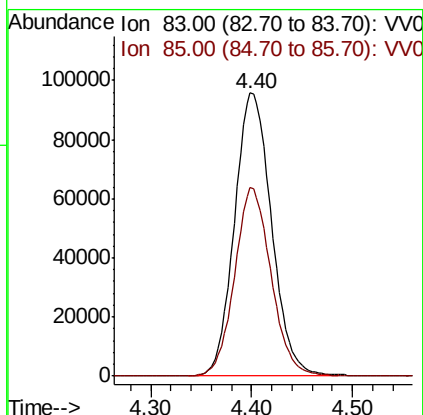
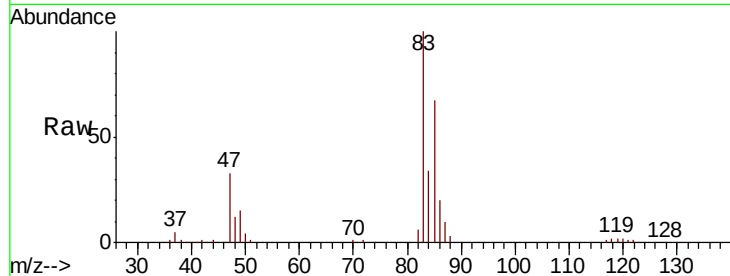




#25
Chloroform
Concen: 48.454 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

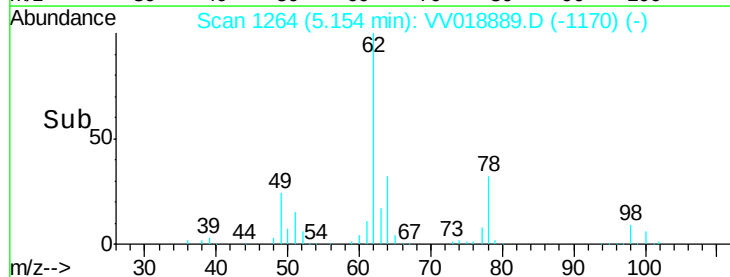
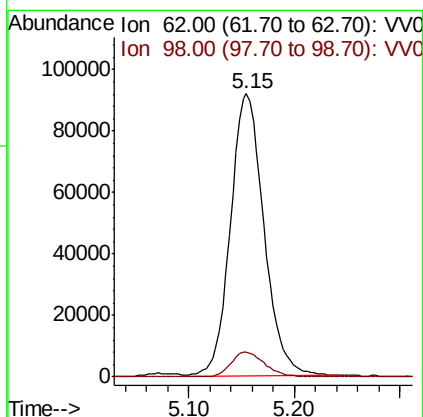
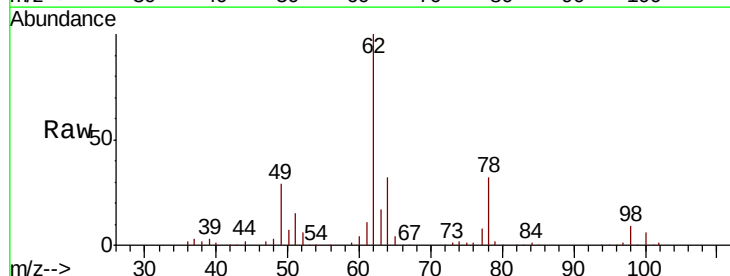
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

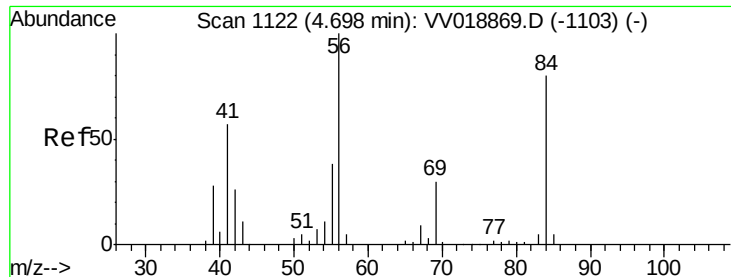
Tot Ion: 83 Resp: 244297
Ion Ratio Lower Upper
83 100
85 66.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 49.255 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion: 62 Resp: 202038
Ion Ratio Lower Upper
62 100
98 8.6 6.6 10.0

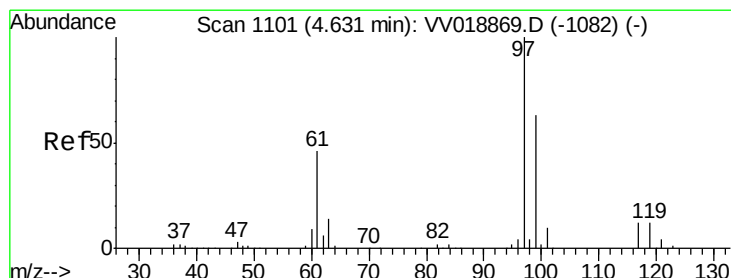
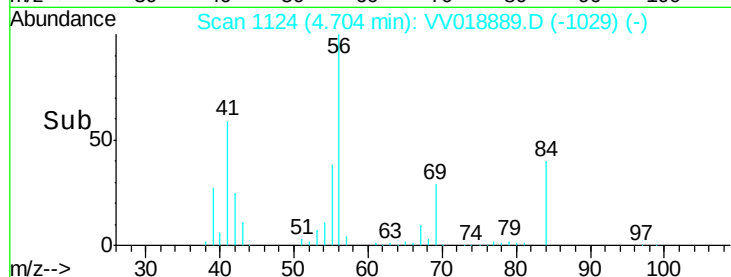
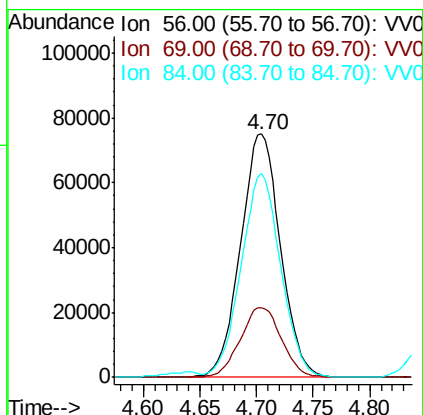
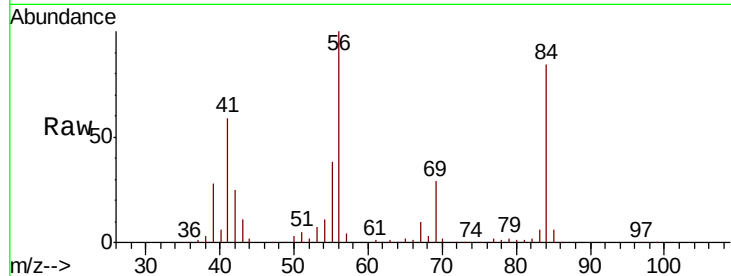




#29
Cyclohexane
Concen: 45.093 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.01 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

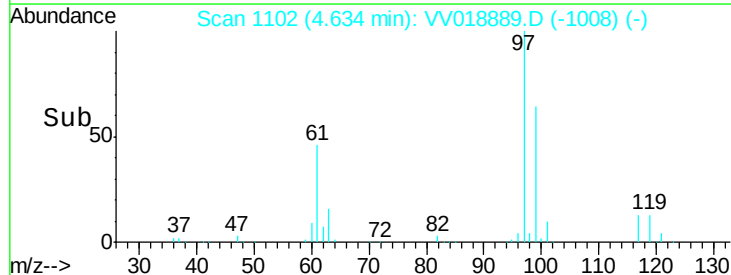
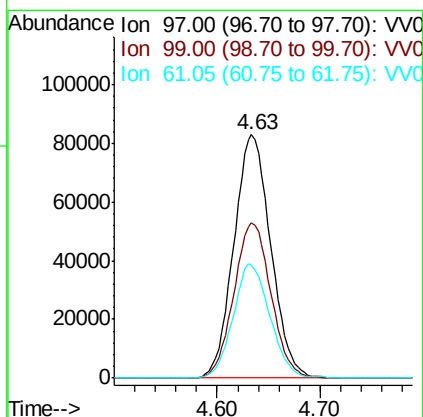
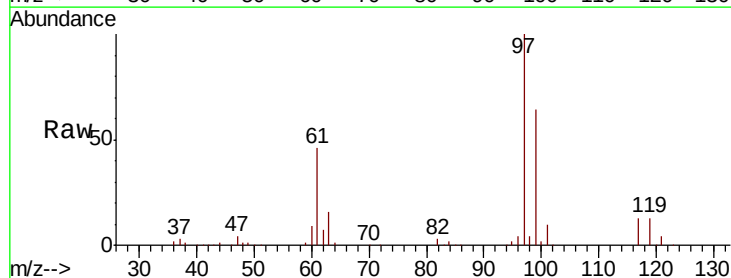
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

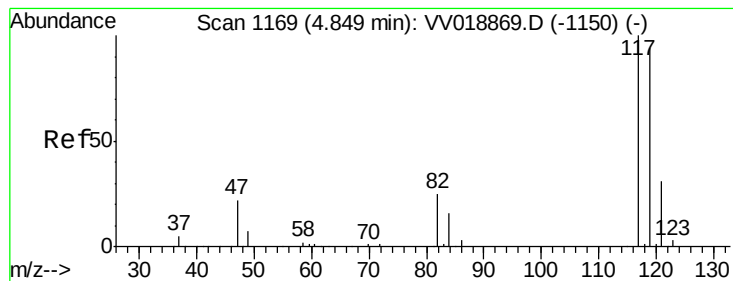
Tot Ion: 56 Resp: 184297
Ion Ratio Lower Upper
56 100
69 29.6 23.1 34.7
84 83.3 65.2 97.8



#30
1,1,1-Trichloroethane
Concen: 45.923 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion: 97 Resp: 206566
Ion Ratio Lower Upper
97 100
99 64.2 51.0 76.4
61 46.8 37.0 55.4





#31

Carbon tetrachloride

Concen: 46.187 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

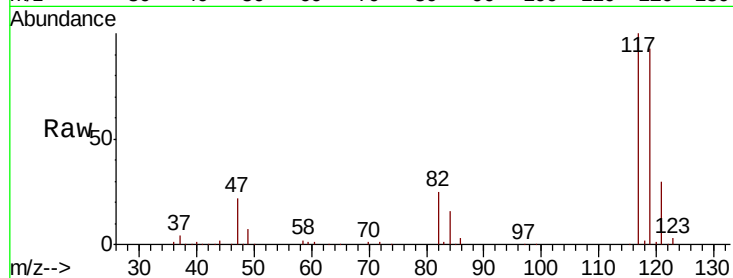
VSTD05088

Tot Ion:117 Resp: 175102

Ion Ratio Lower Upper

117 100

119 94.9 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

80000

60000

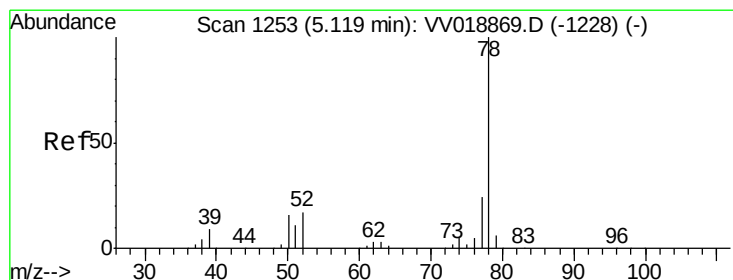
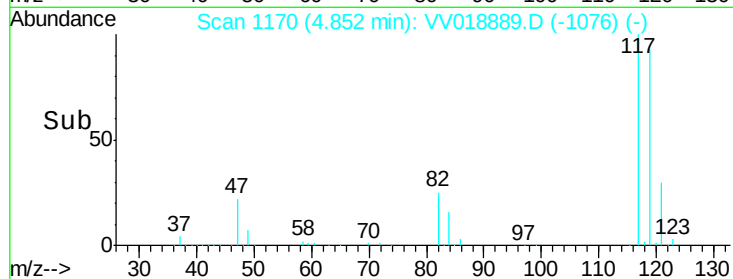
40000

20000

0

Time-->

4.80 4.90



#33

Benzene

Concen: 48.472 ug/L

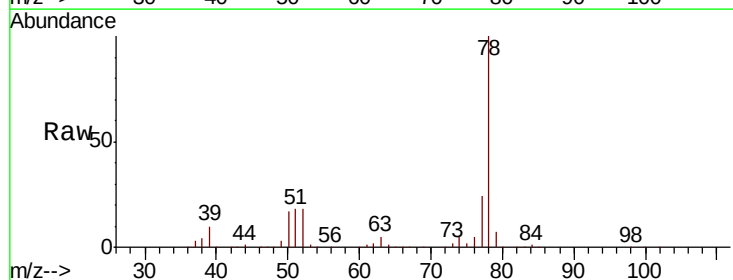
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Tgt Ion: 78 Resp: 518989



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.12

250000

200000

150000

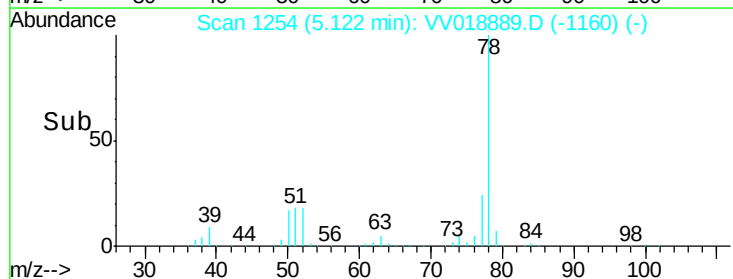
100000

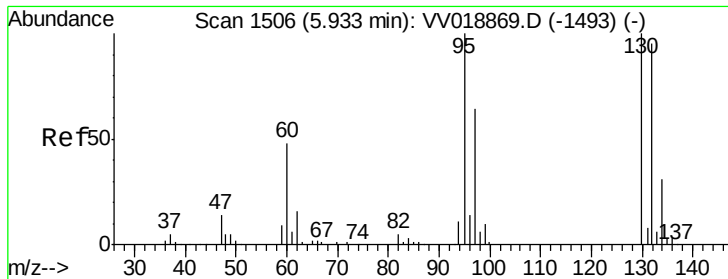
50000

0

Time-->

5.00 5.10 5.20

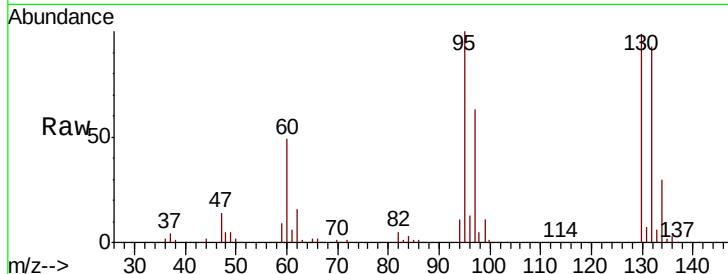




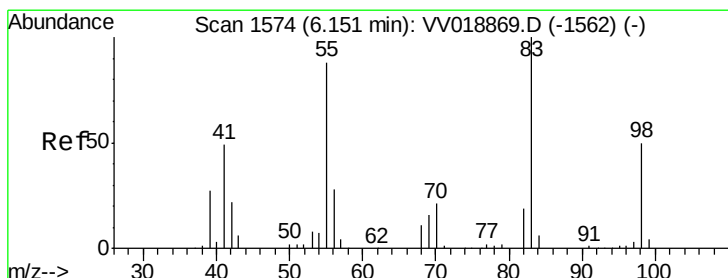
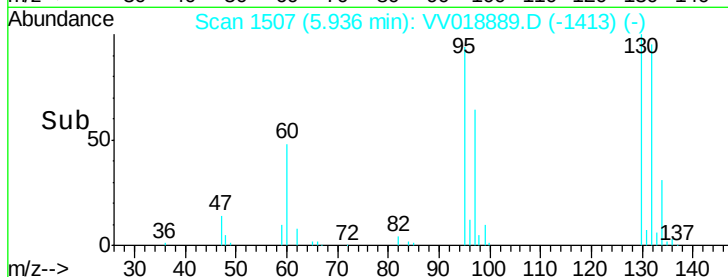
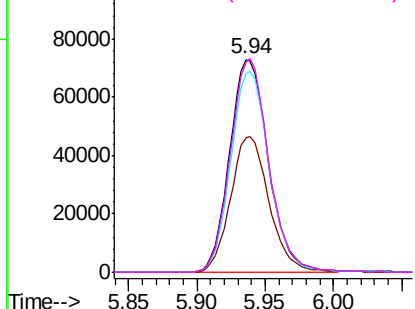
#34
 Trichloroethene
 Concen: 46.627 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

Tot Ion: 95 Resp: 143686
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.1 83.9
 132 93.4 66.2 123.0
 130 98.7 69.1 128.3

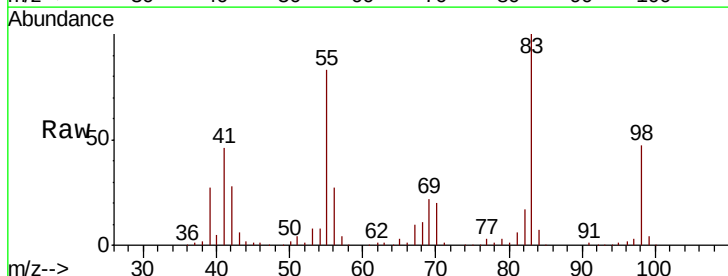


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

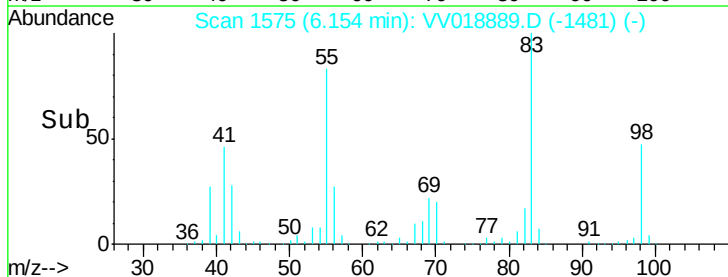
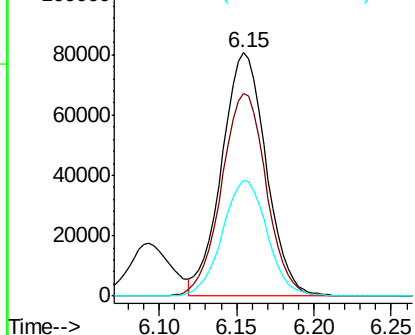


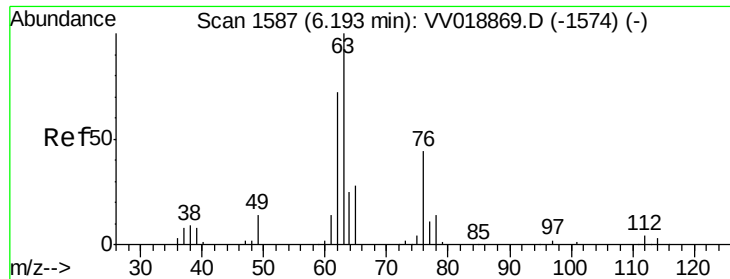
#35
 Methylcyclohexane
 Concen: 42.403 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

Tgt Ion: 83 Resp: 159886
 Ion Ratio Lower Upper
 83 100
 55 84.2 67.0 100.4
 98 48.3 38.8 58.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

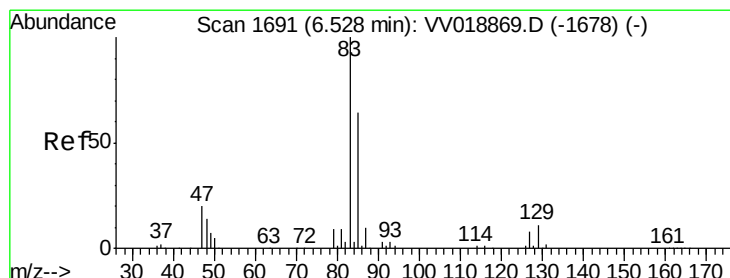
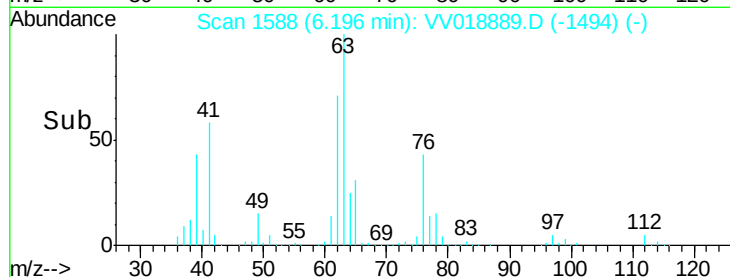
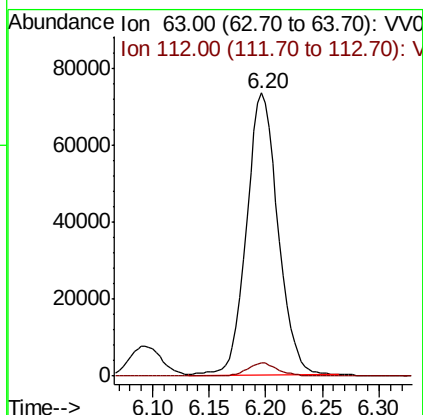
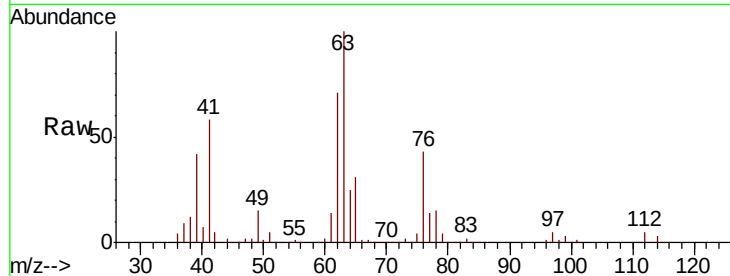




#37
 1,2-Dichloropropane
 Concen: 48.324 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

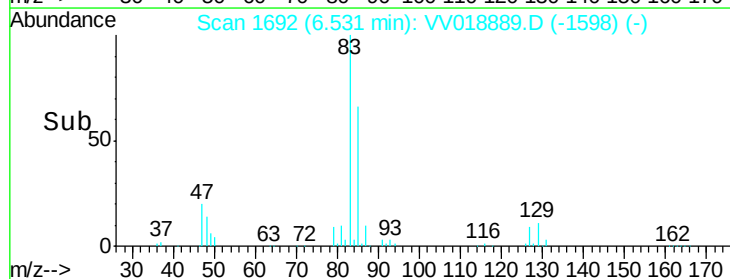
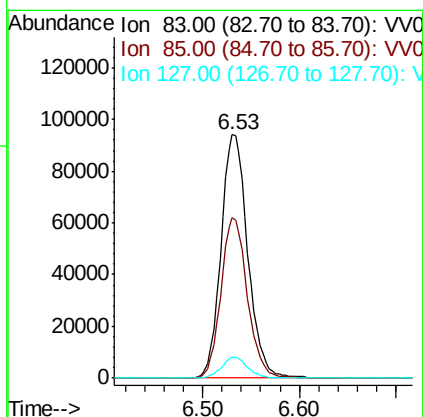
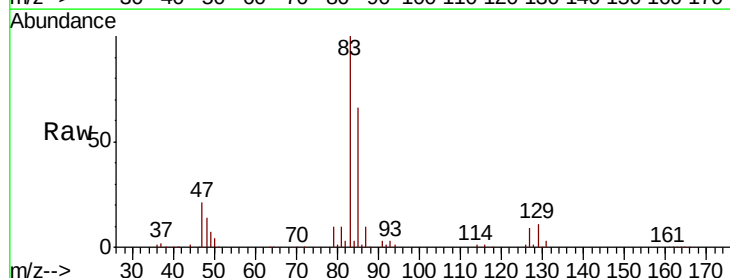
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

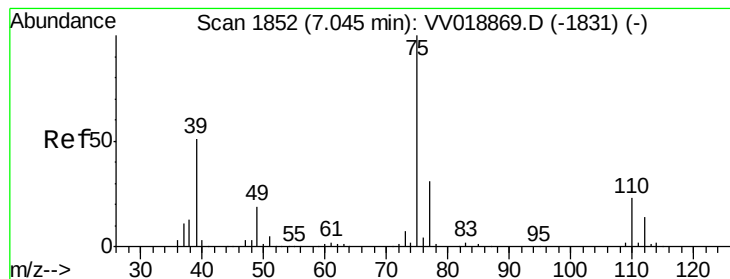
Tot Ion: 63 Resp: 142126
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.4 5.2



#38
 Bromodichloromethane
 Concen: 48.280 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

Tgt Ion: 83 Resp: 180337
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.1 83.7
 127 8.7 6.6 10.0



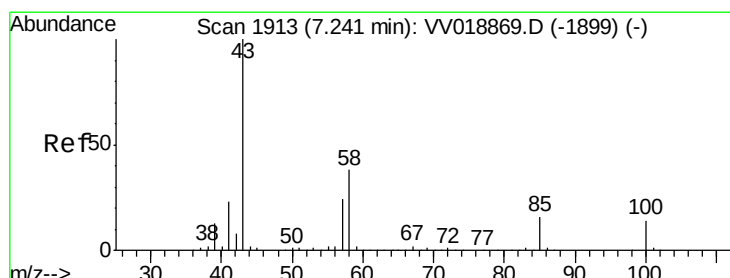
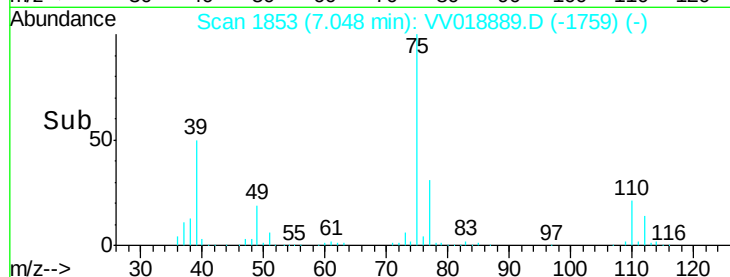
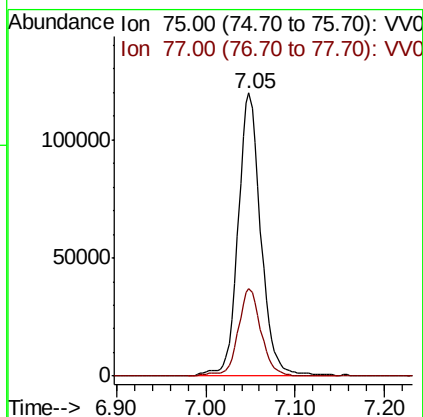
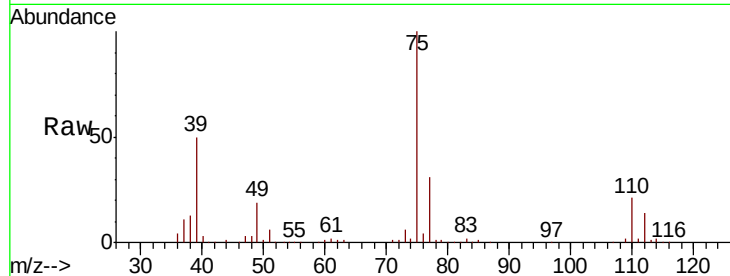


#39

cis-1,3-Dichloropropene
Concen: 51.161 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

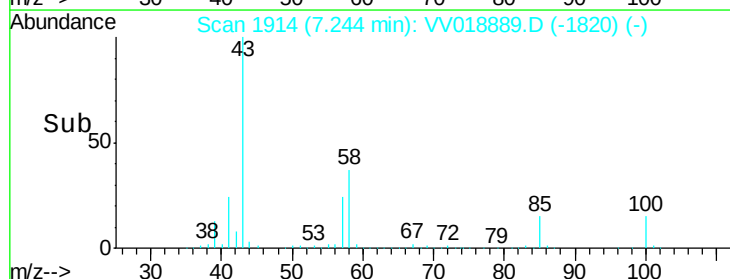
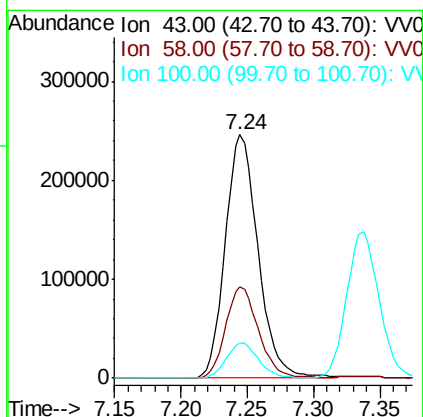
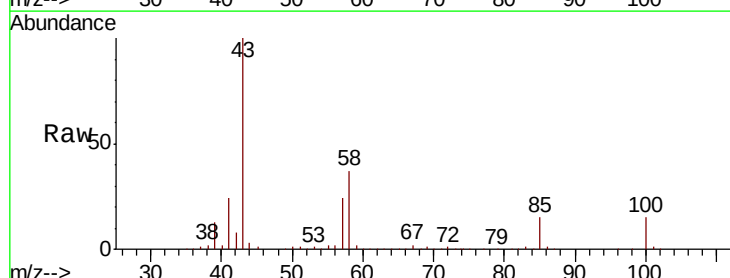
Tot Ion: 75 Resp: 212571
Ion Ratio Lower Upper
75 100
77 31.0 21.8 40.6

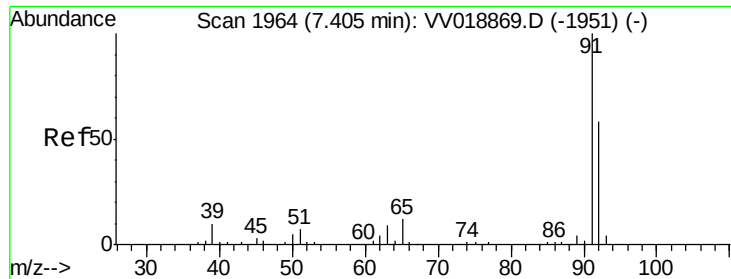


#40

4-Methyl-2-pentanone
Concen: 110.929 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion: 43 Resp: 423986
Ion Ratio Lower Upper
43 100
58 37.6 30.2 45.4
100 14.3 11.4 17.2





#42

Toluene

Concen: 49.852 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

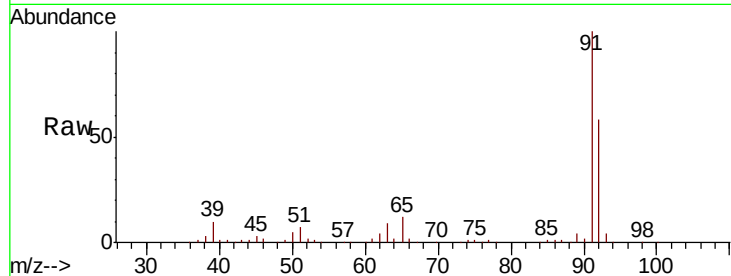
VSTD05088

Tot Ion: 91 Resp: 548251

Ion Ratio Lower Upper

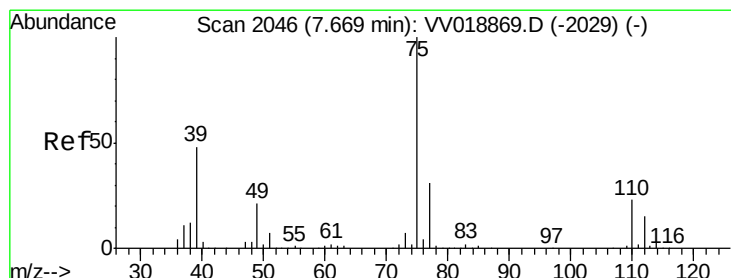
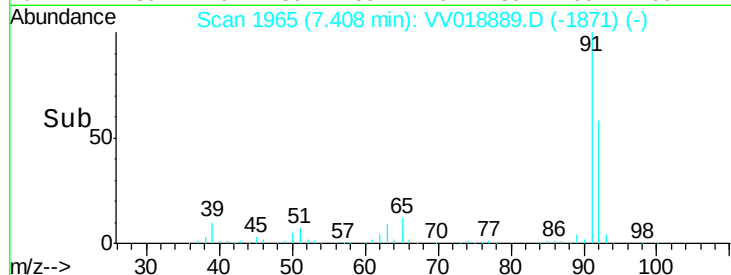
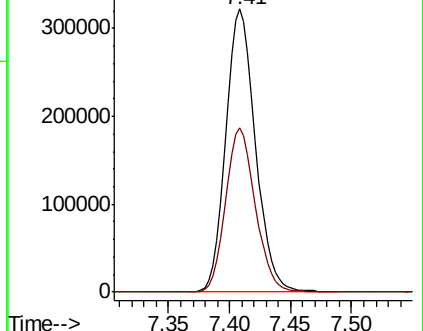
91 100

92 58.1 39.8 74.0



Abundance Ion 91.00 (90.70 to 91.70): VV018889.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018889.D (-1951) (-)



#44

trans-1,3-Dichloropropene

Concen: 49.151 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018889.D

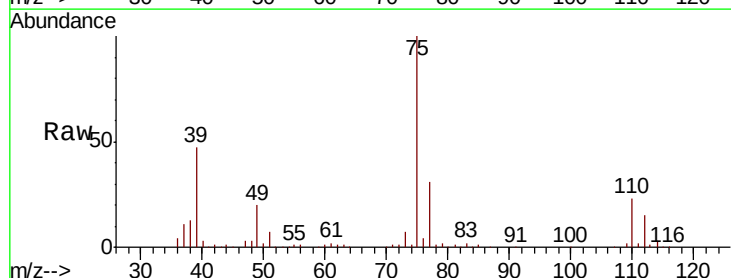
Acq: 13 Oct 2020 20:12

Tgt Ion: 75 Resp: 209272

Ion Ratio Lower Upper

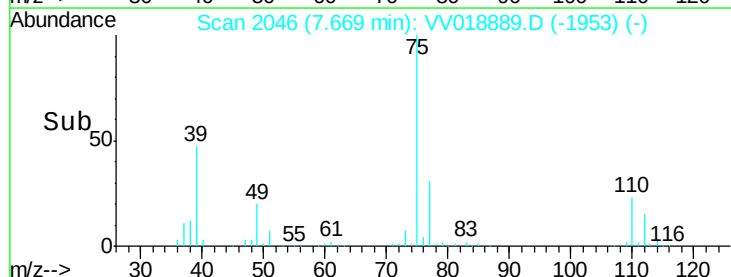
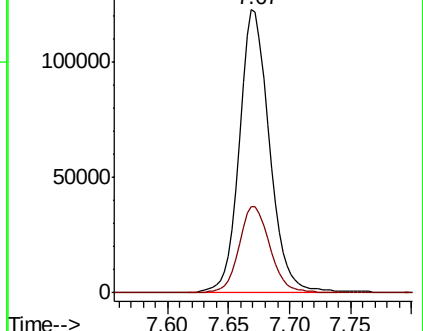
75 100

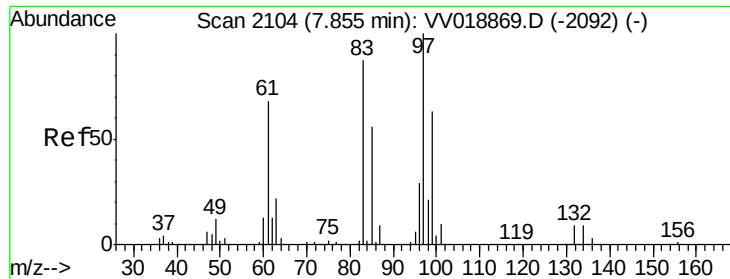
77 30.6 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV018889.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018889.D (-2029) (-)





#45

1,1,2-Trichloroethane

Concen: 49.761 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion: 97 Resp: 131444

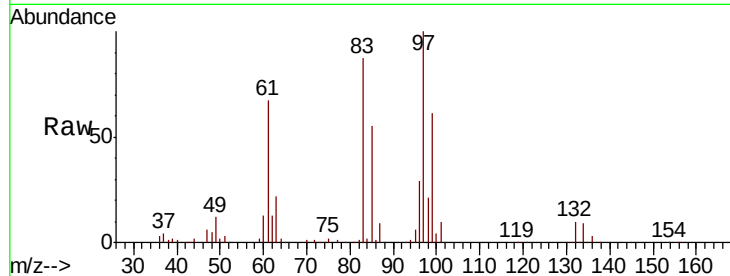
Ion Ratio Lower Upper

97 100

99 61.1 43.4 80.6

83 87.0 58.7 108.9

85 55.5 39.4 73.2



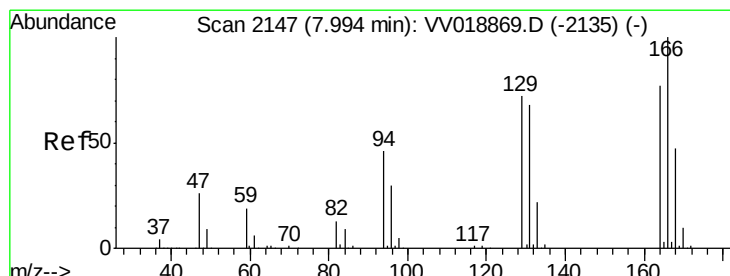
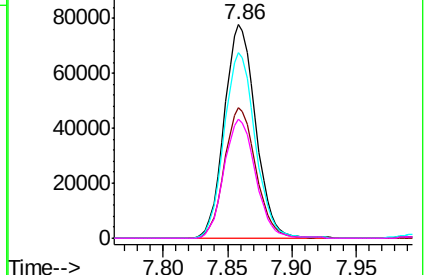
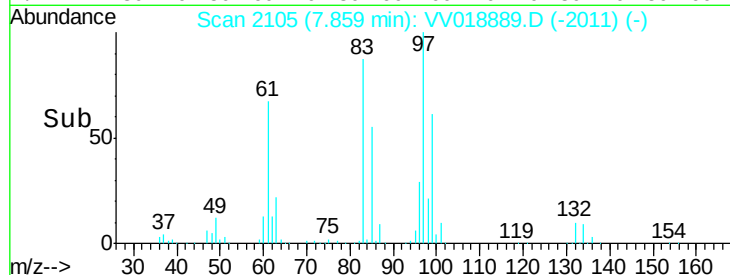
Abundance Ion 97.00 (96.70 to 97.70): VV0

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

Time-->



#46

Tetrachloroethene

Concen: 44.842 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Tgt Ion: 164 Resp: 101272

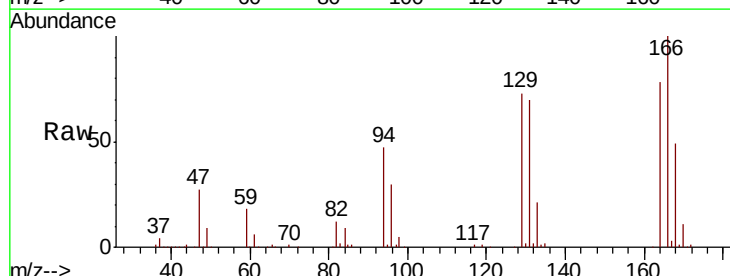
Ion Ratio Lower Upper

164 100

129 93.1 64.6 120.0

131 88.7 63.6 118.0

166 127.4 88.3 164.1



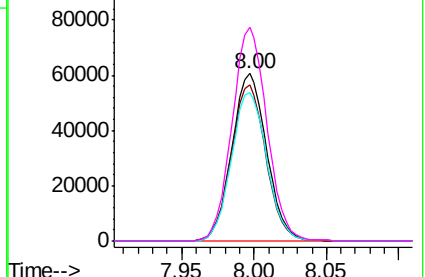
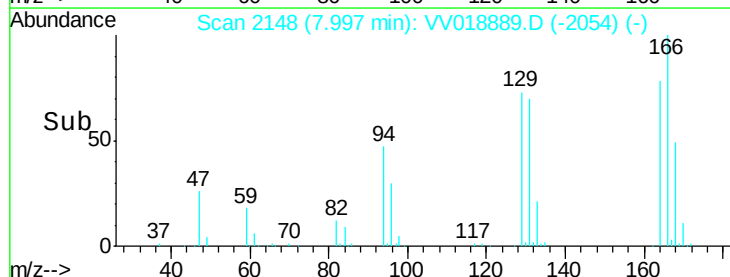
Abundance Ion 164.00 (163.70 to 164.70): V

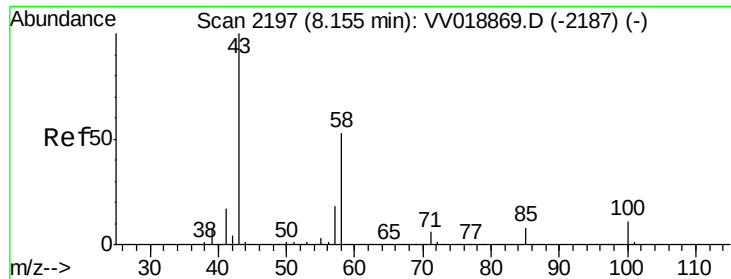
Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

Time-->

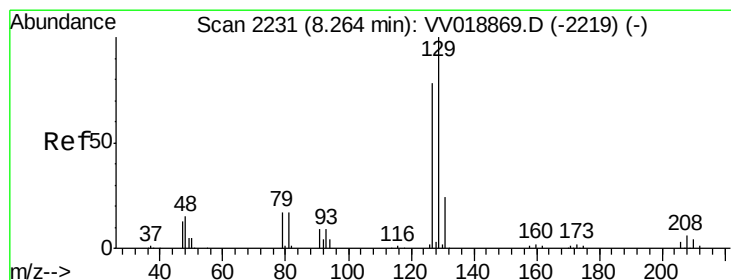
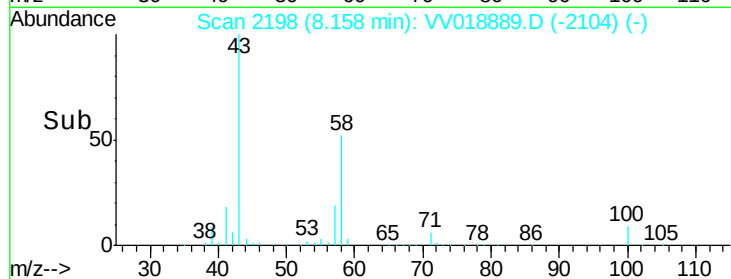
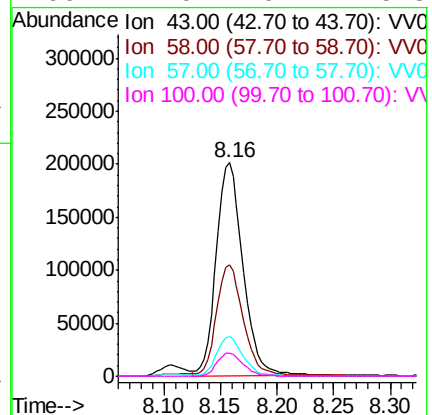
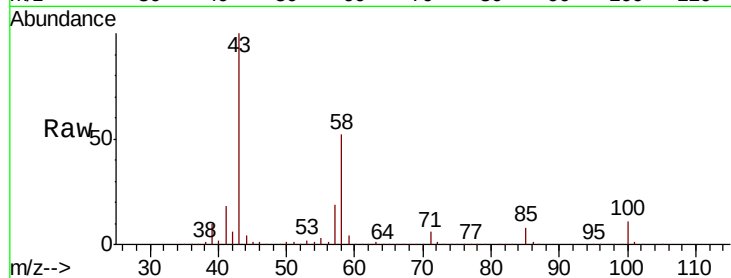




#48
2-Hexanone
Concen: 110.186 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

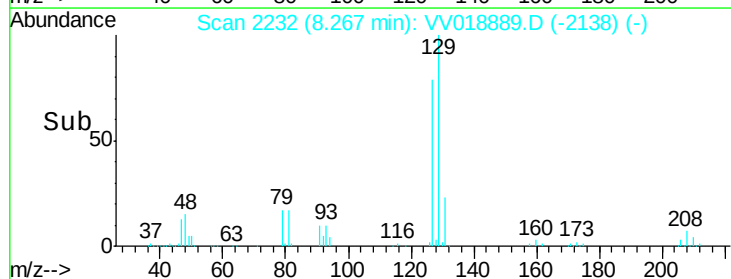
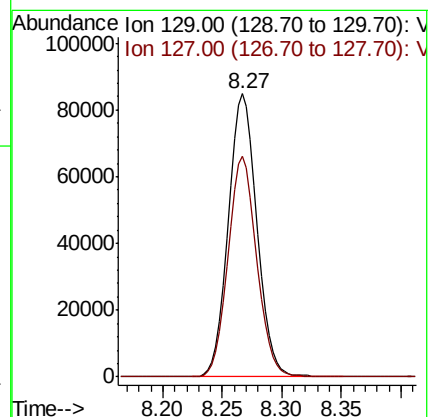
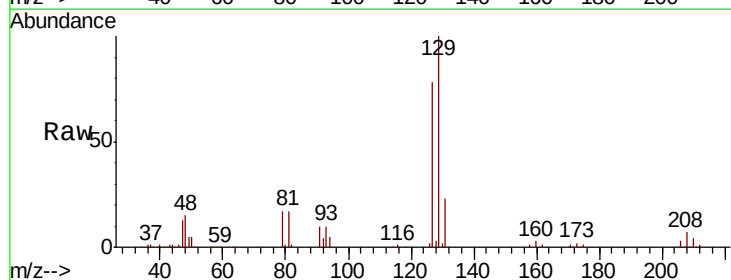
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

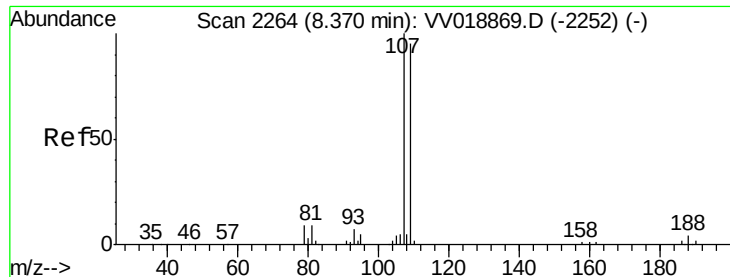
Tot Ion: 43 Resp: 332458
Ion Ratio Lower Upper
43 100
58 51.9 41.8 62.8
57 17.9 14.9 22.3
100 11.0 9.2 13.8



#49
Dibromochloromethane
Concen: 49.010 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion: 129 Resp: 141502
Ion Ratio Lower Upper
129 100
127 78.0 55.3 102.7

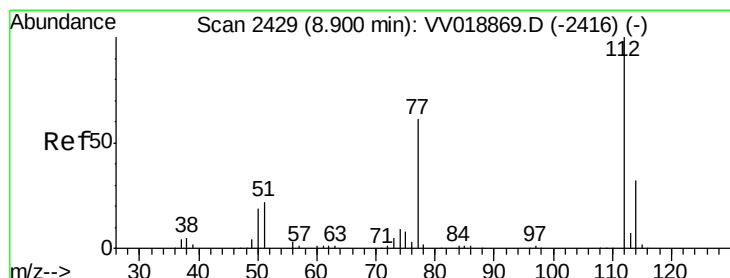
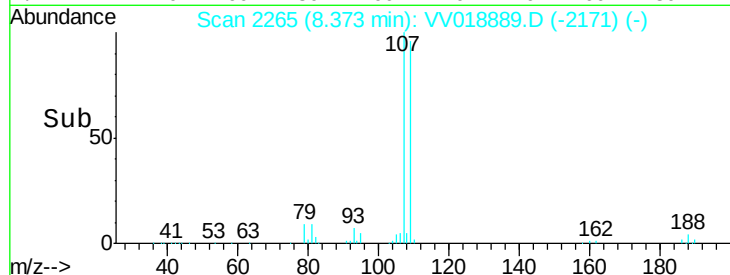
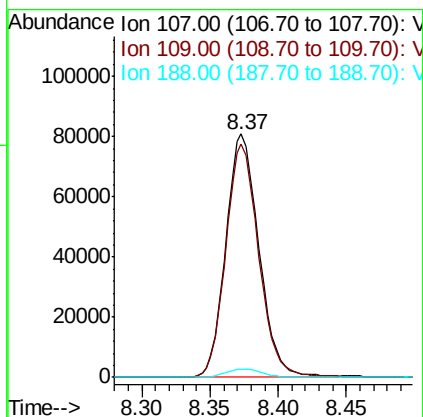
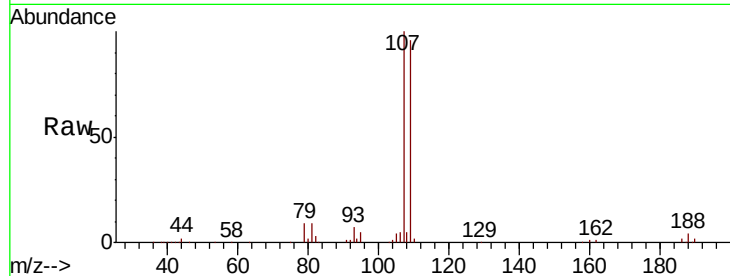




#50
1,2-Dibromoethane
Concen: 50.453 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

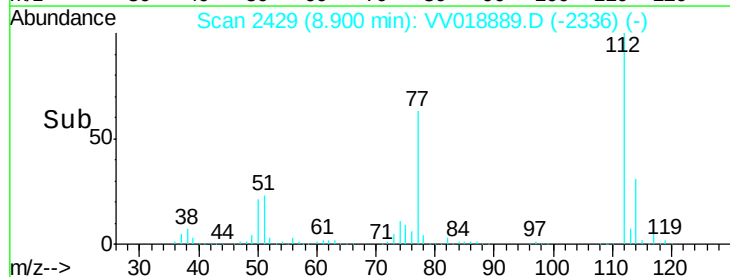
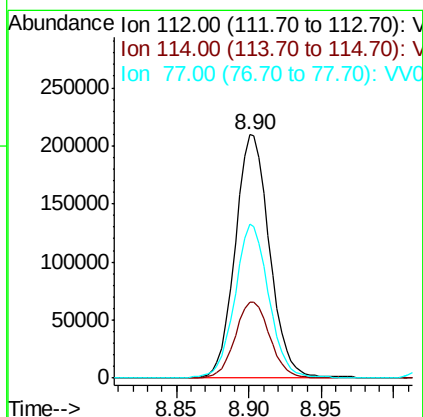
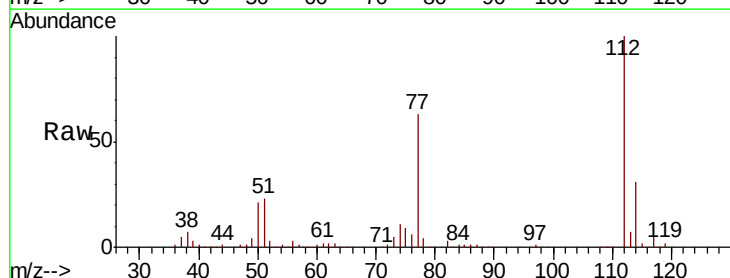
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

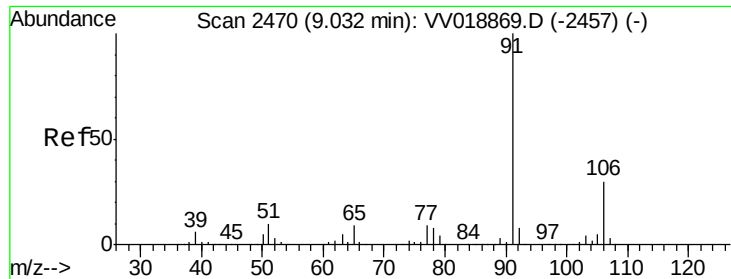
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.6	66.4	123.2
188	3.6	3.1	4.7



#51
Chlorobenzene
Concen: 47.204 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018889.D
Acq: 13 Oct 2020 20:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.4	22.0	41.0
77	63.2	49.8	74.6





#52

Ethylbenzene

Concen: 47.008 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

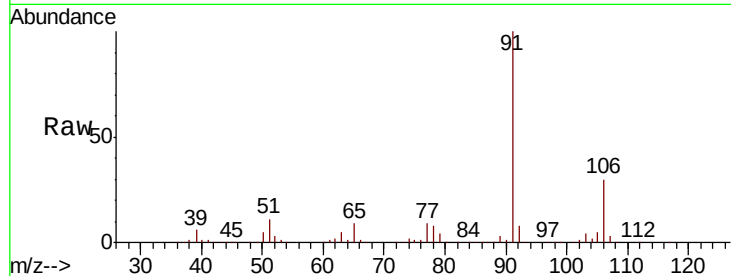
VSTD05088

Tot Ion: 91 Resp: 587076

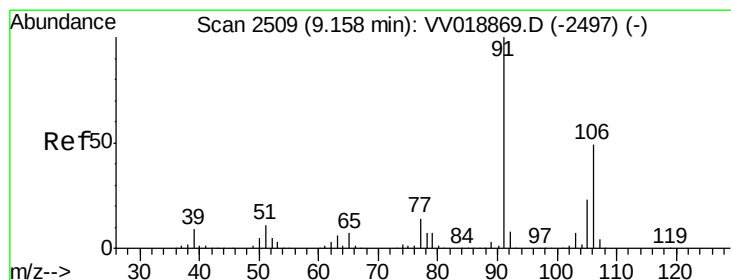
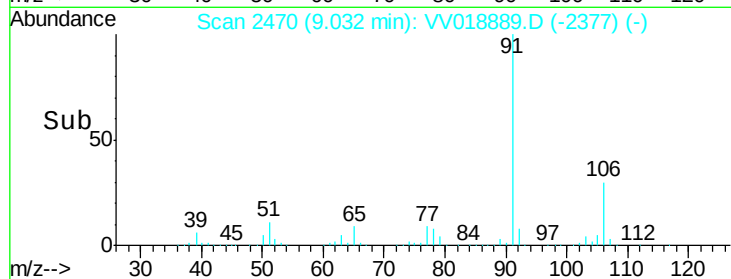
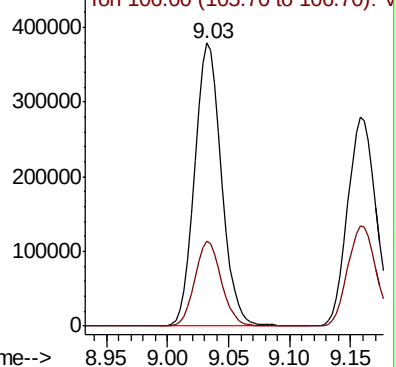
Ion Ratio Lower Upper

91 100

106 30.0 20.9 38.9



Abundance Ion 91.00 (90.70 to 91.70): VV018889.D (-2377) (-)



#53

m,p-Xylene

Concen: 47.765 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018889.D

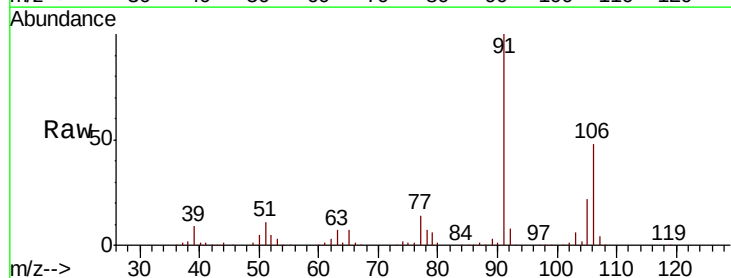
Acq: 13 Oct 2020 20:12

Tgt Ion: 106 Resp: 218970

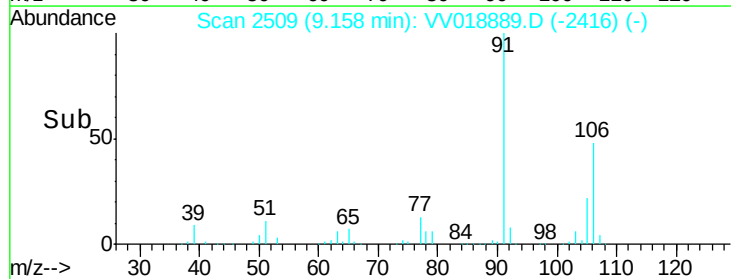
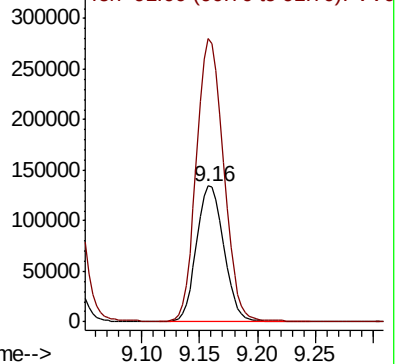
Ion Ratio Lower Upper

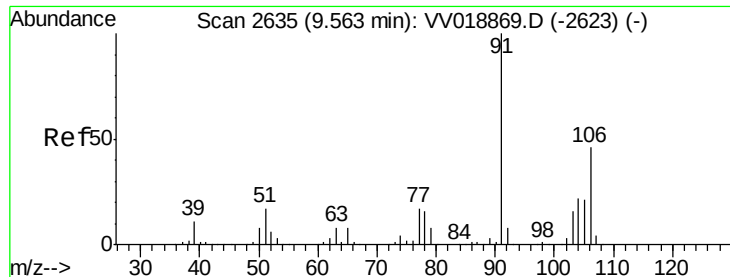
106 100

91 208.0 147.1 273.1



Abundance Ion 106.00 (105.70 to 106.70): VV018889.D (-2416) (-)





#54

o-xylene

Concen: 48.974 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

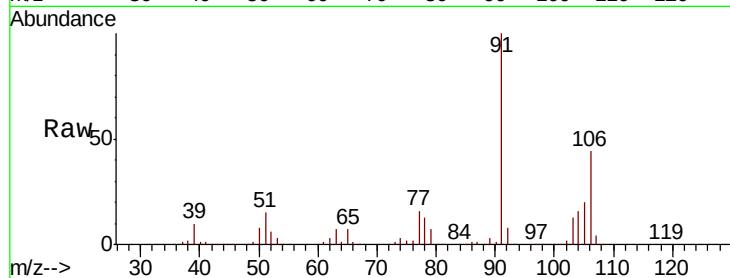
Instrument :
MSVOA_V
ClientSampleId :
VSTD05088

Tot Ion:106 Resp: 213234

Ion Ratio Lower Upper

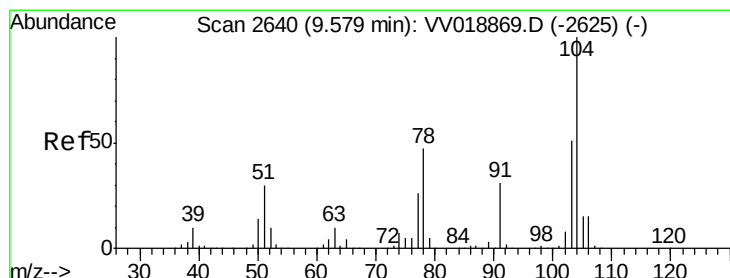
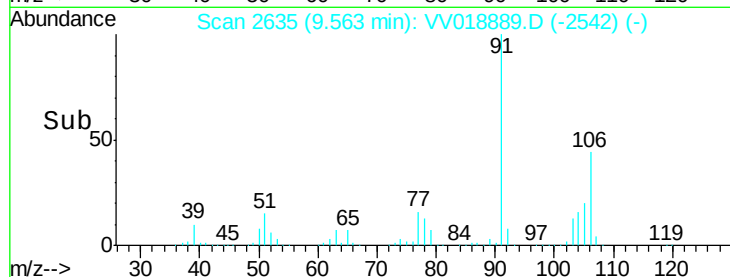
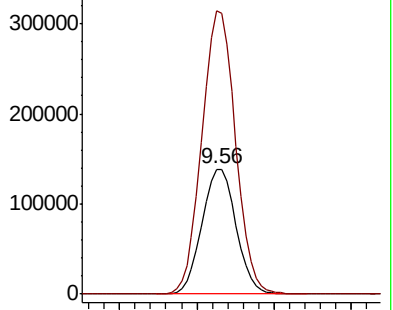
106 100

91 226.4 156.8 291.2



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 50.554 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV018889.D

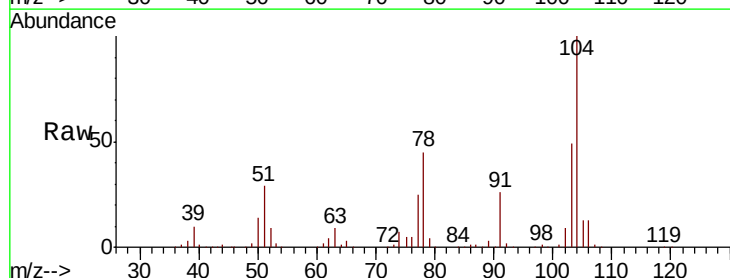
Acq: 13 Oct 2020 20:12

Tgt Ion:104 Resp: 389588

Ion Ratio Lower Upper

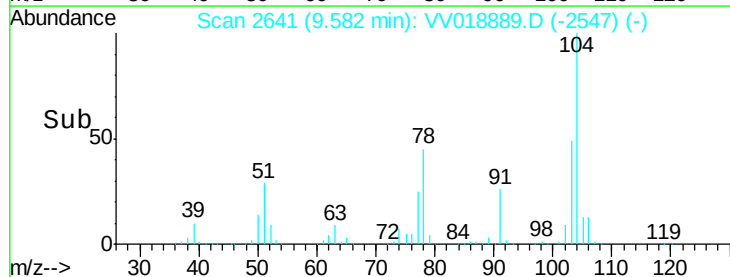
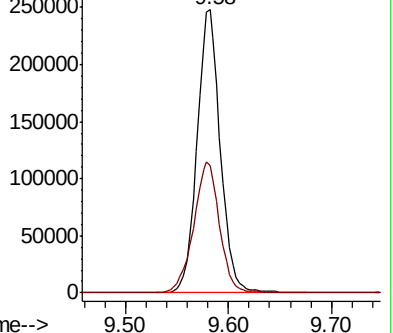
104 100

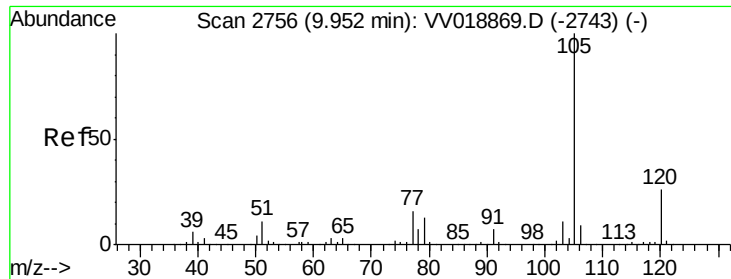
78 44.8 33.5 62.3



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 45.178 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD05088

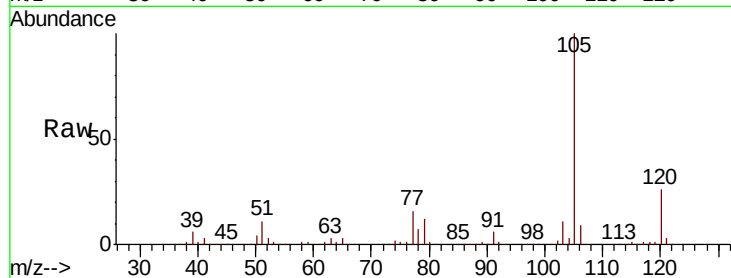
Tot Ion:105 Resp: 544276

Ion Ratio Lower Upper

105 100

120 25.7 20.4 30.6

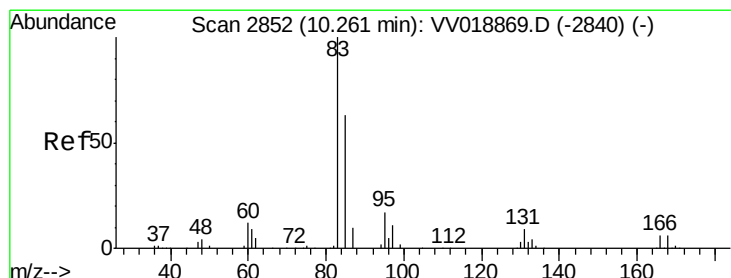
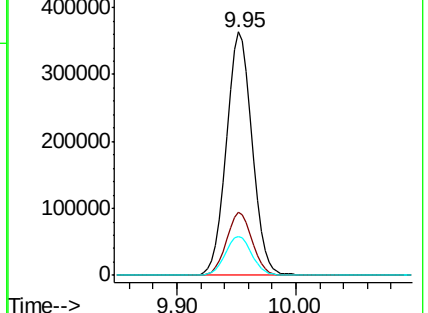
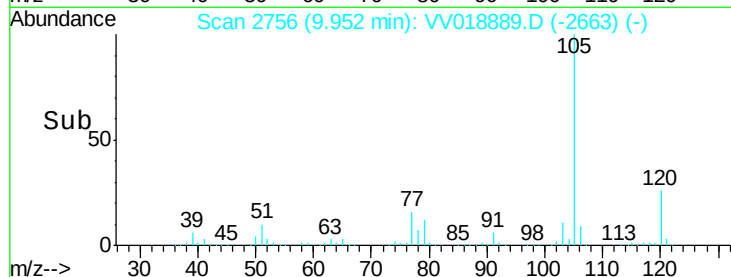
77 16.5 13.0 19.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 52.656 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

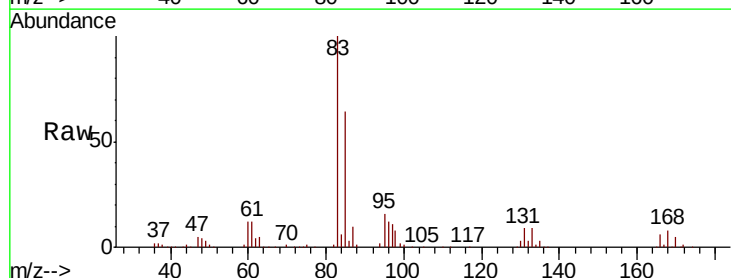
Tgt Ion: 83 Resp: 194022

Ion Ratio Lower Upper

83 100

85 64.1 44.5 82.7

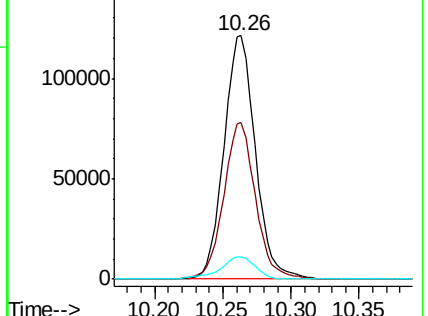
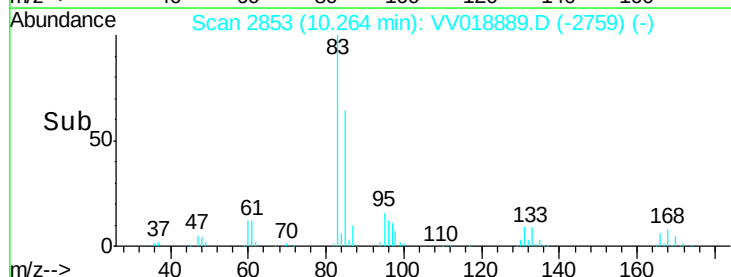
131 9.2 8.0 12.0

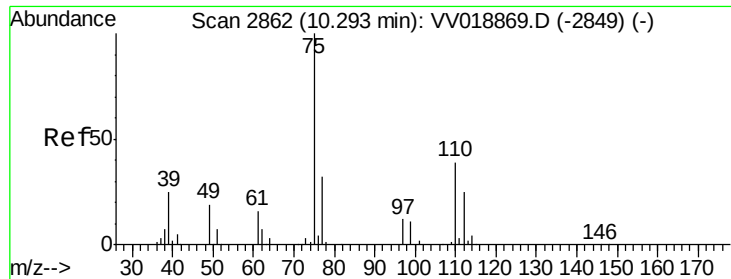


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.006 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

MSVOA_V

ClientSampleId :

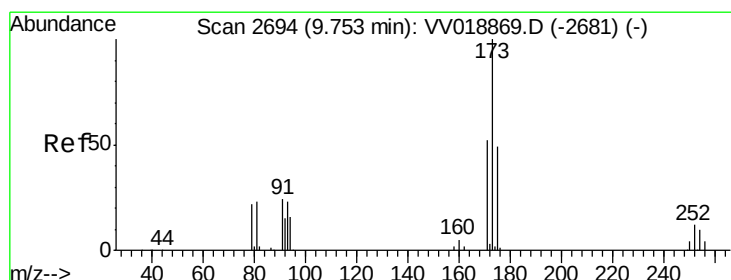
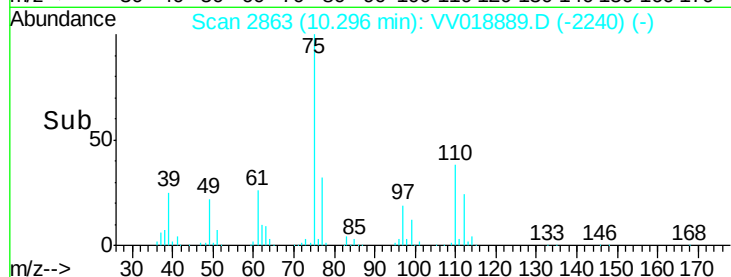
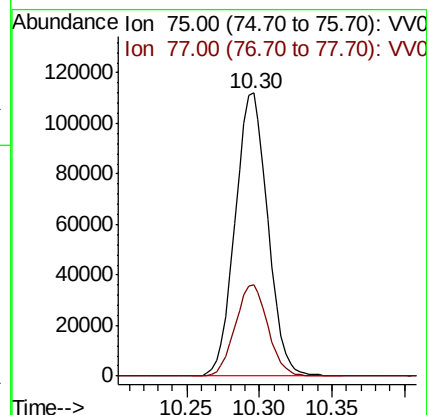
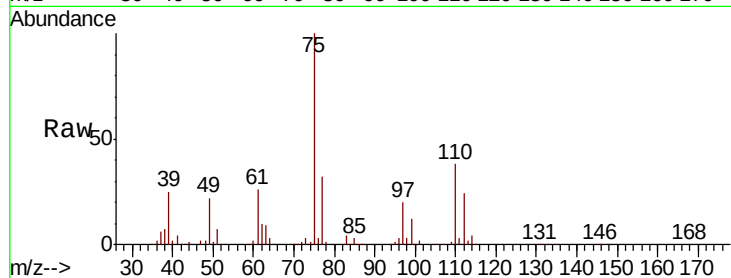
VSTD05088

Tot Ion: 75 Resp: 175003

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 51.003 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

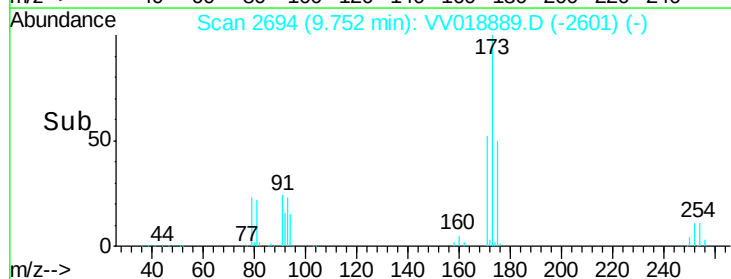
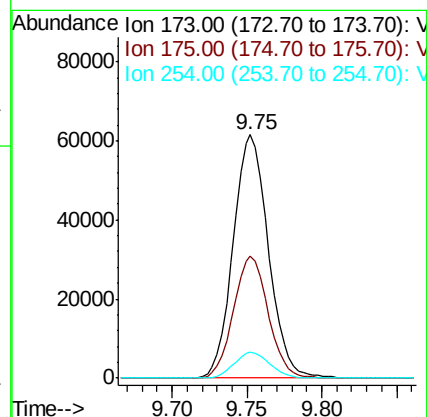
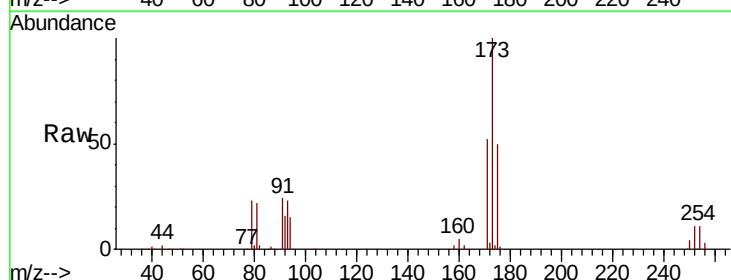
Tgt Ion: 173 Resp: 100730

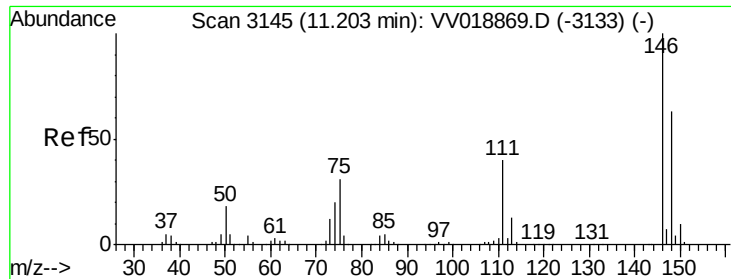
Ion Ratio Lower Upper

173 100

175 49.6 38.7 58.1

254 10.8 8.2 12.4

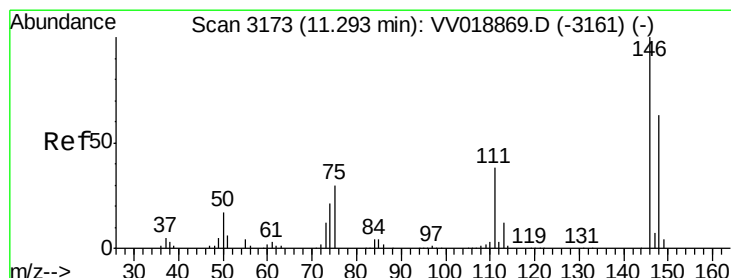
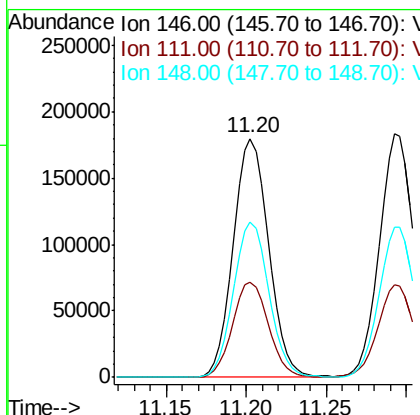
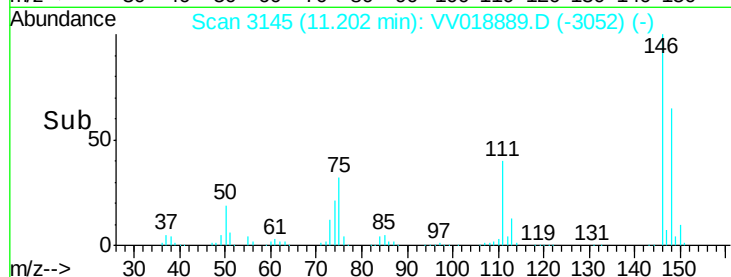
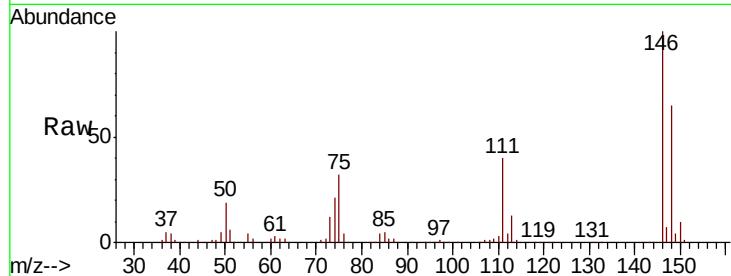




#62
 1,3-Dichlorobenzene
 Concen: 46.704 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

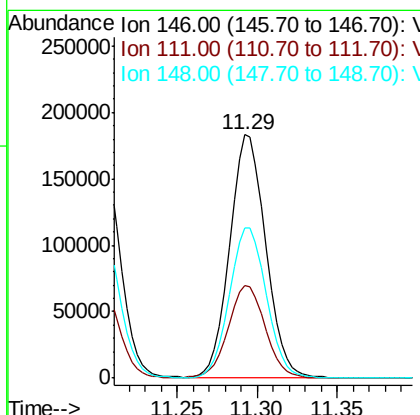
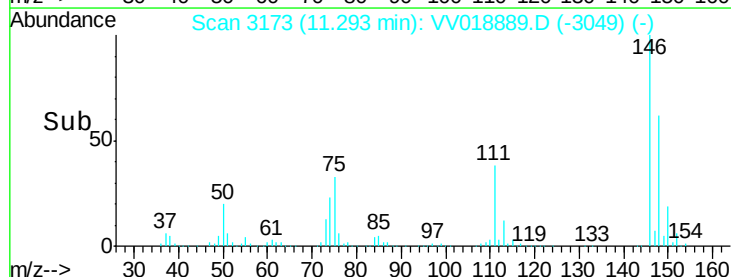
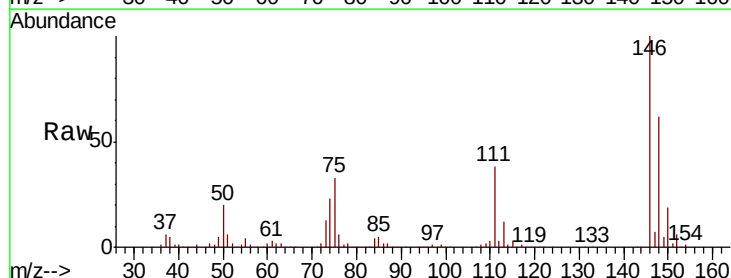
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

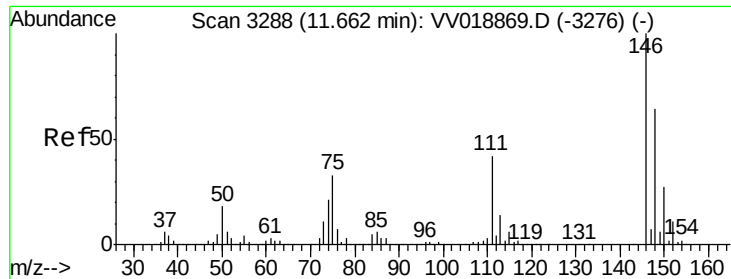
Tot Ion	Ratio	Lower	Upper
146	100		
111	40.0	27.8	51.6
148	64.8	45.4	84.4



#63
 1,4-Dichlorobenzene
 Concen: 46.465 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.0	27.1	50.3
148	61.7	45.4	84.4

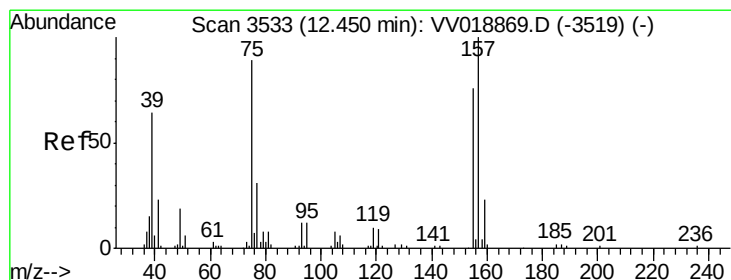
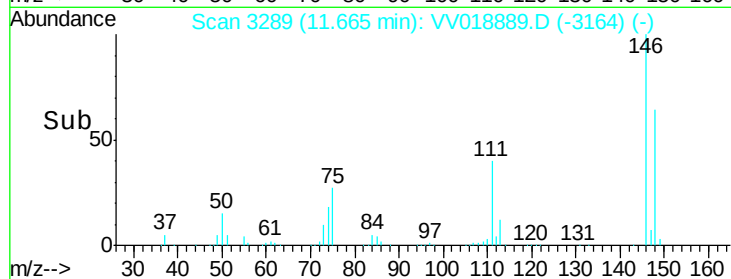
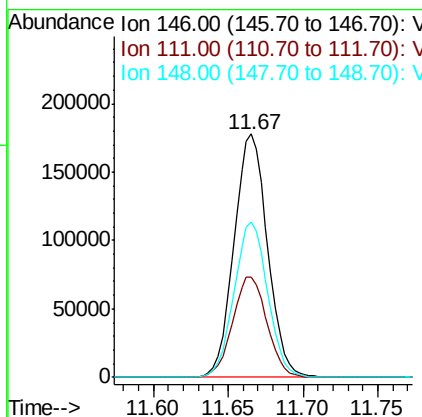
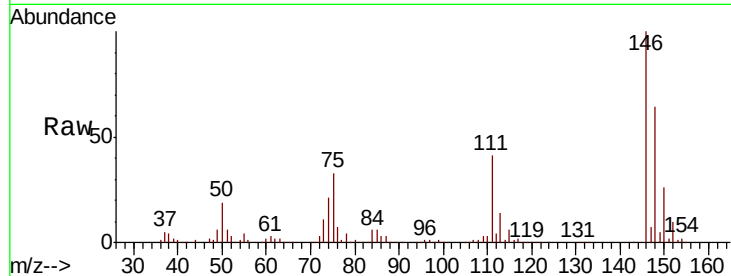




#65
 1,2-Dichlorobenzene
 Concen: 47.581 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

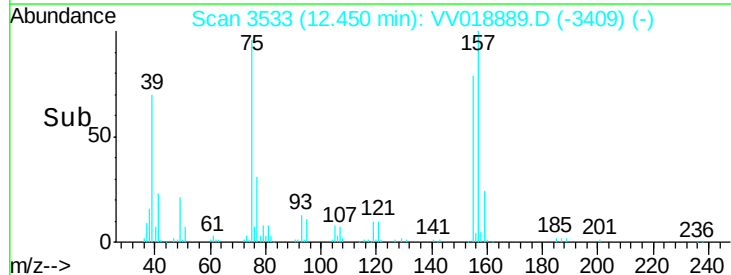
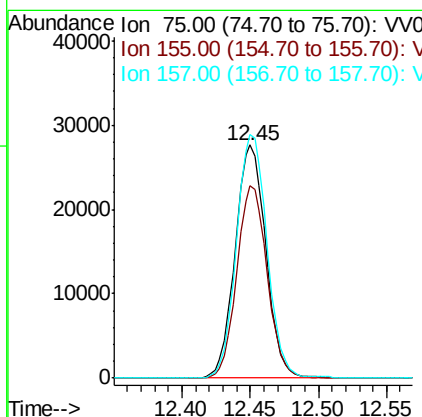
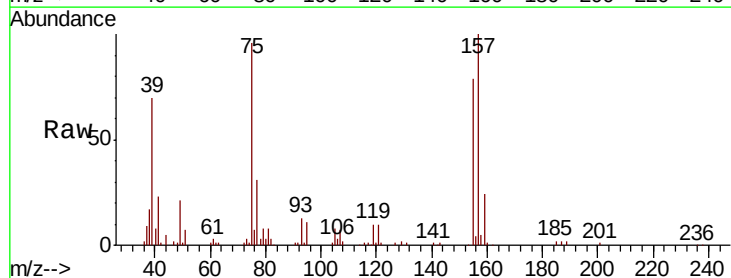
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

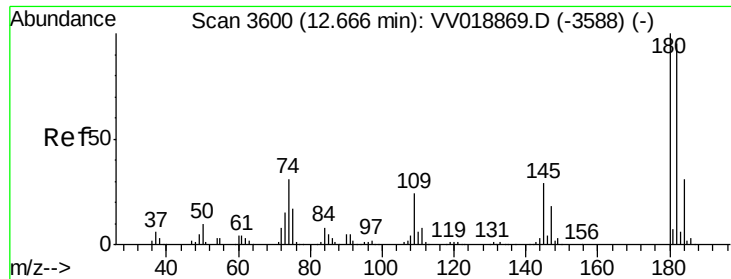
Tot Ion:146 Resp: 277217
 Ion Ratio Lower Upper
 146 100
 111 41.2 33.8 50.6
 148 63.9 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 53.818 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

Tgt Ion: 75 Resp: 43252
 Ion Ratio Lower Upper
 75 100
 155 82.3 65.8 98.8
 157 104.4 83.0 124.6

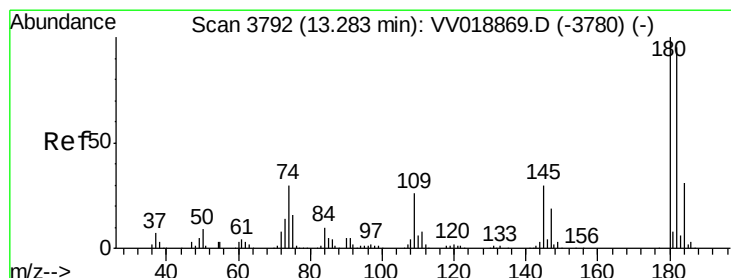
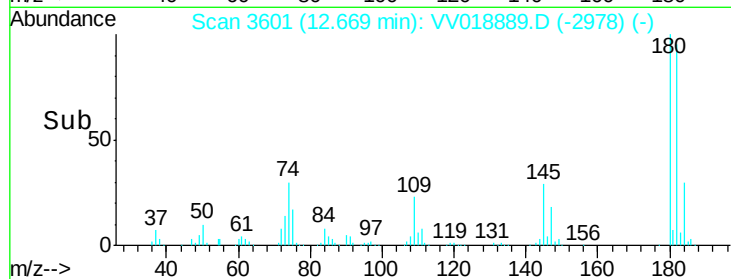
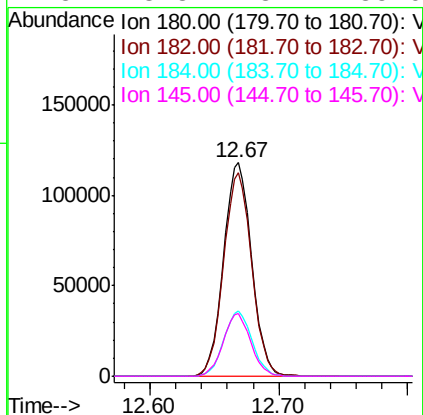
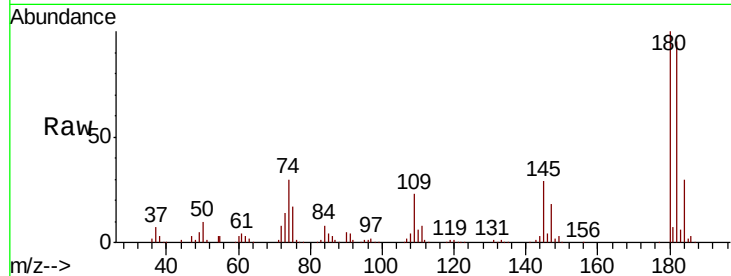




#67
 1,3,5-Trichlorobenzene
 Concen: 47.330 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

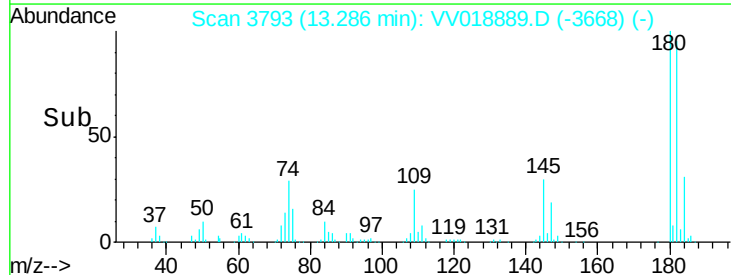
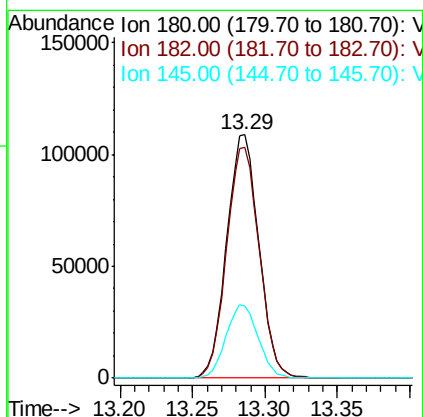
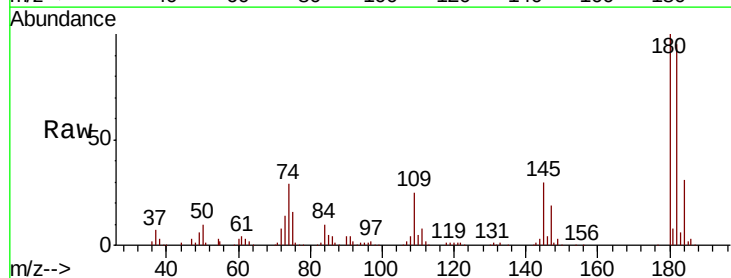
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05088

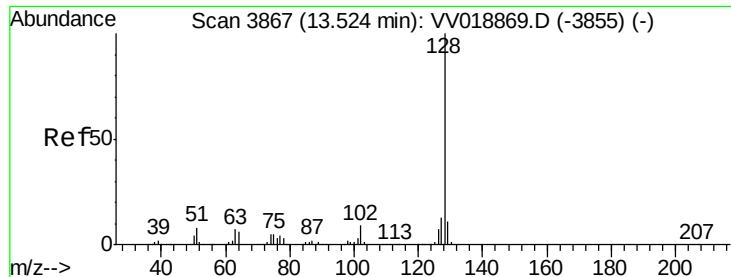
Tot Ion:180 Resp: 177907
 Ion Ratio Lower Upper
 180 100
 182 95.2 77.0 115.6
 184 30.5 24.6 37.0
 145 28.8 23.4 35.0



#68
 1,2,4-trichlorobenzene
 Concen: 47.464 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018889.D
 Acq: 13 Oct 2020 20:12

Tgt Ion:180 Resp: 167768
 Ion Ratio Lower Upper
 180 100
 182 95.9 76.7 115.1
 145 30.0 24.0 36.0





#69

Naphthalene

Concen: 54.051 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Instrument :

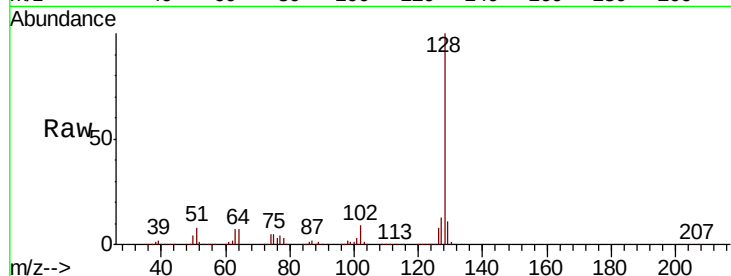
MSVOA_V

ClientSampleId :

VSTD05088

Tot Ion:128 Resp: 538290

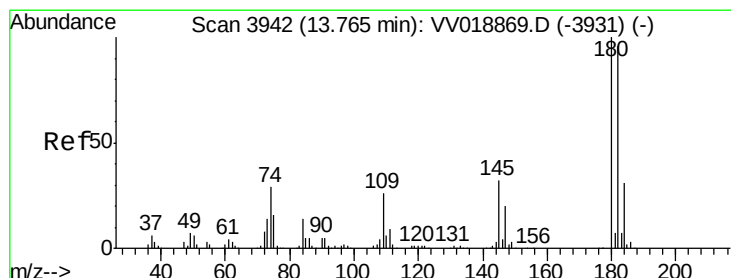
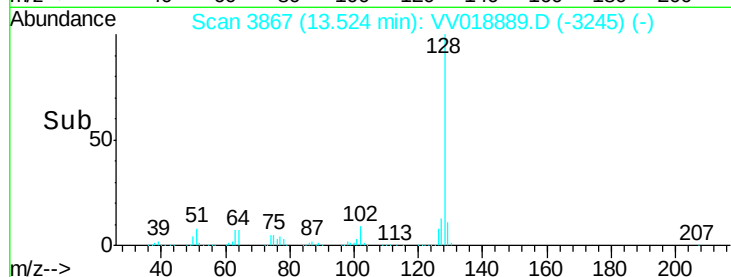
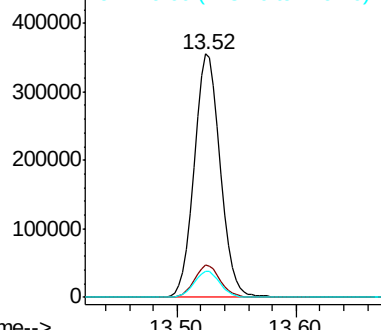
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.4	15.6
129	10.7	8.6	13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.224 ug/L

RT: 13.77 min Scan# 3943

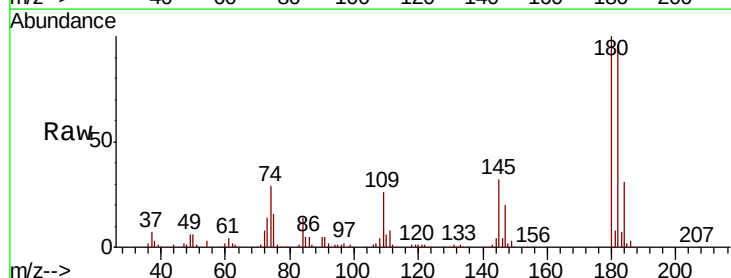
Delta R.T. 0.00 min

Lab File: VV018889.D

Acq: 13 Oct 2020 20:12

Tgt Ion:180 Resp: 179731

Ion	Ratio	Lower	Upper
180	100		
182	96.0	75.9	113.9
145	31.8	25.2	37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

