

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010521\
 Data File : VV019885.D
 Acq On : 05 Jan 2021 09:39
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Quant Time: Jan 06 07:00:42 2021
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM122820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Dec 29 11:24:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.62	114	584996	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.86	117	567409	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.25	152	291893	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	210261	46.45	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.90%
7) Chloroethane-d5	1.57	69	175000	48.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.26%
11) 1,1-Dichloroethene-d2	2.11	63	420701	49.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.34%
21) 2-Butanone-d5	3.88	46	333080	99.27	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.27%
24) Chloroform-d	4.35	84	428632	50.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.22%
26) 1,2-Dichloroethane-d4	5.03	65	283781	50.76	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.52%
32) Benzene-d6	5.05	84	809489	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
36) 1,2-Dichloropropane-d6	6.07	67	258577	48.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.26%
41) Toluene-d8	7.32	98	719612	49.48	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.96%
43) trans-1,3-Dichloropropene-	7.62	79	132085	49.46	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.92%
47) 2-Hexanone-d5	8.09	63	225756	101.67	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	101.67%
57) 1,1,2,2-Tetrachloroethane-	10.22	84	345766	49.49	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.98%
64) 1,2-Dichlorobenzene-d4	11.63	152	273922	49.06	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.12%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.13	85	231122	50.895	ug/L 100
3) Chloromethane	1.24	50	273177	49.119	ug/L 100
5) Vinyl chloride	1.31	62	270150	49.716	ug/L 100
6) Bromomethane	1.52	94	161092	48.937	ug/L 96
8) Chloroethane	1.59	64	168508	49.883	ug/L 99
9) Trichlorofluoromethane	1.75	101	348997	53.017	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.12	101	195196	52.651	ug/L 99
12) 1,1-Dichloroethene	2.12	96	187628	50.437	ug/L 91
13) Acetone	2.18	43	334524	128.787	ug/L 100
14) Carbon disulfide	2.30	76	607658	50.140	ug/L 100
15) Methyl Acetate	2.43	43	262551	49.747	ug/L 99
16) Methylene chloride	2.51	84	229941	49.215	ug/L 99
17) trans-1,2-Dichloroethene	2.76	96	210755	50.635	ug/L 98
18) Methyl tert-butyl Ether	2.77	73	692055	49.246	ug/L 99
19) 1,1-Dichloroethane	3.19	63	419498	49.946	ug/L 99
20) cis-1,2-Dichloroethene	3.91	96	224826	49.371	ug/L 100
22) 2-Butanone	3.97	43	407429	111.722	ug/L 98

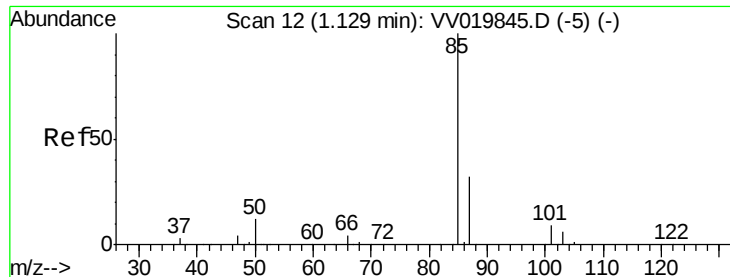
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV010521\
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.25	128	114839	51.039	uq/L	99
25) Chloroform	4.38	83	418218	50.476	uq/L	97
27) 1,2-Dichloroethane	5.13	62	342213	50.096	uq/L	100
29) Cyclohexane	4.68	56	364905	50.230	uq/L	99
30) 1,1,1-Trichloroethane	4.61	97	362559	49.908	uq/L	99
31) Carbon tetrachloride	4.83	117	305755	51.146	uq/L	99
33) Benzene	5.10	78	895518	50.179	uq/L	100
34) Trichloroethene	5.91	95	237260	50.112	uq/L	99
35) Methylcyclohexane	6.13	83	365241	51.440	uq/L	100
37) 1,2-Dichloropropane	6.17	63	243504	50.809	uq/L	99
38) Bromodichloromethane	6.51	83	317262	50.635	uq/L	99
39) cis-1,3-Dichloropropene	7.03	75	377938	51.196	uq/L	100
40) 4-Methyl-2-pentanone	7.23	43	704914	98.229	uq/L	100
42) Toluene	7.39	91	926248	50.667	uq/L	99
44) trans-1,3-Dichloropropene	7.65	75	370432	51.447	uq/L	99
45) 1,1,2-Trichloroethane	7.84	97	219337	49.893	uq/L	98
46) Tetrachloroethene	7.98	164	158538	50.141	uq/L	96
48) 2-Hexanone	8.14	43	576365	103.883	uq/L	99
49) Dibromochloromethane	8.25	129	231400	50.905	uq/L	98
50) 1,2-Dibromoethane	8.35	107	228165	49.452	uq/L	100
51) Chlorobenzene	8.88	112	579023	49.670	uq/L	97
52) Ethylbenzene	9.02	91	1038782	50.497	uq/L	100
53) m,p-Xylene	9.14	106	382151	51.003	uq/L	100
54) o-xylene	9.55	106	374555	51.131	uq/L	99
55) Styrene	9.56	104	659115	51.771	uq/L	98
56) Isopropylbenzene	9.94	105	1013093	51.640	uq/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.25	83	343482	49.192	uq/L	98
59) 1,2,3-Trichloropropane	10.28	75	298237	48.949	uq/L	100
61) Bromoform	9.74	173	153611	51.169	uq/L	100
62) 1,3-Dichlorobenzene	11.19	146	445574	50.144	uq/L	100
63) 1,4-Dichlorobenzene	11.28	146	457285	50.036	uq/L	99
65) 1,2-Dichlorobenzene	11.65	146	446754	49.253	uq/L	99
66) 1,2-Dibromo-3-chloropropan	12.43	75	86456	50.073	uq/L	98
67) 1,3,5-Trichlorobenzene	12.65	180	332585	51.876	uq/L	99
68) 1,2,4-trichlorobenzene	13.27	180	298636	52.317	uq/L	99
69) Naphthalene	13.51	128	958434	53.381	uq/L	100
70) 1,2,3-Trichlorobenzene	13.75	180	295523	53.268	uq/L	99

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



#2

Dichlorodifluoromethane

Concen: 50.895 ug/L

RT: 1.13 min Scan# 12

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

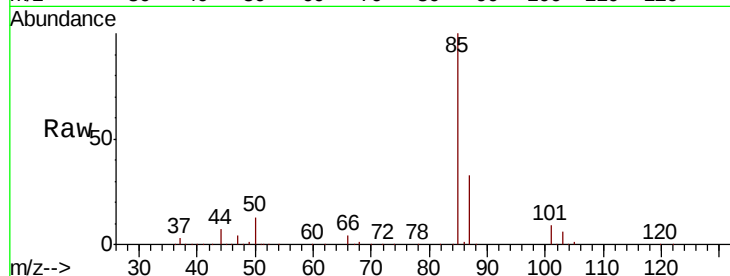
VSTD05076

Tot Ion: 85 Resp: 231122

Ion Ratio Lower Upper

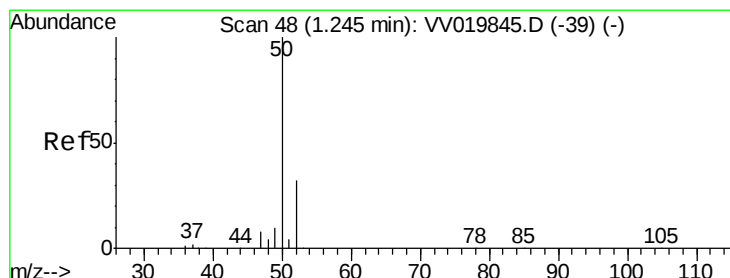
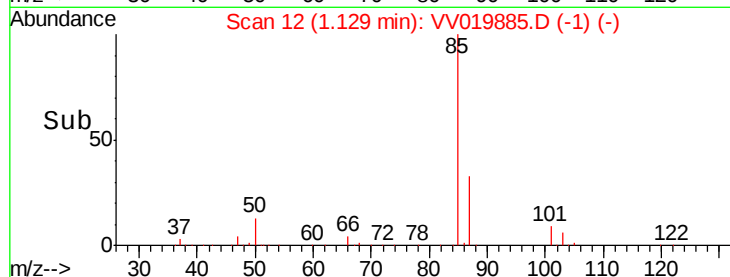
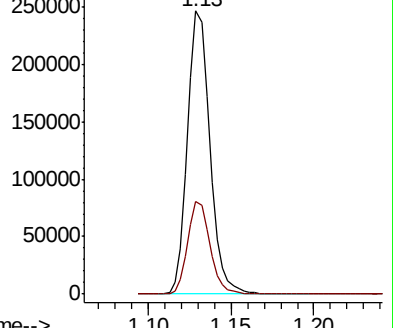
85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV019845.D (-5) (-)

Ion 87.00 (86.70 to 87.70): VV019845.D (-5) (-)



#3

Chloromethane

Concen: 49.119 ug/L

RT: 1.24 min Scan# 47

Delta R.T. -0.00 min

Lab File: VV019885.D

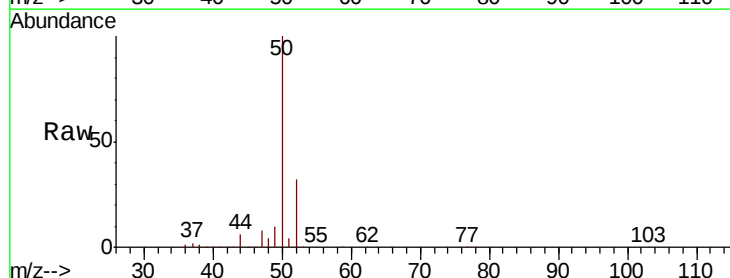
Acq: 05 Jan 2021 09:39

Tgt Ion: 50 Resp: 273177

Ion Ratio Lower Upper

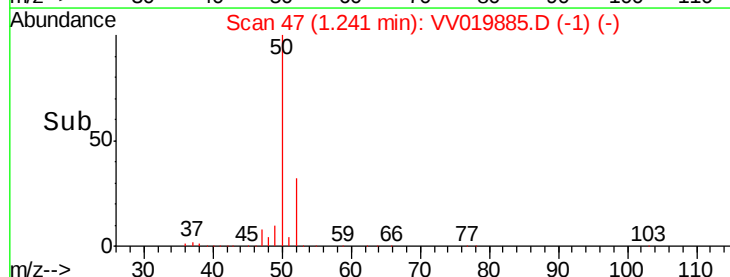
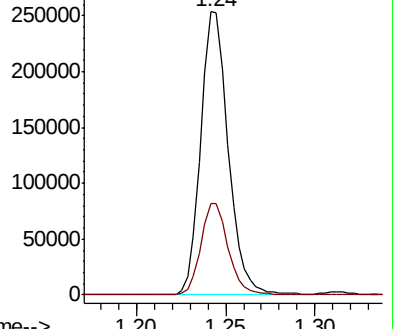
50 100

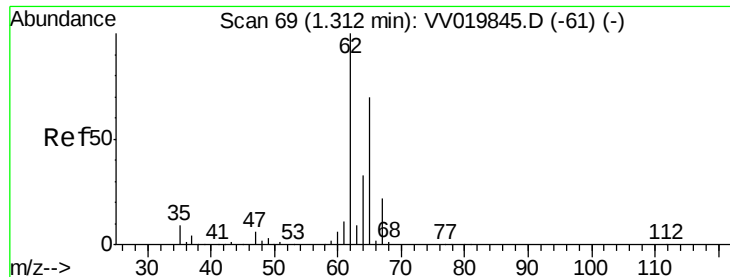
52 32.1 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV019845.D (-39) (-)

Ion 52.00 (51.70 to 52.70): VV019845.D (-39) (-)





#5

Vinyl chloride

Concen: 49.716 ug/L

RT: 1.31 min Scan# 69

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

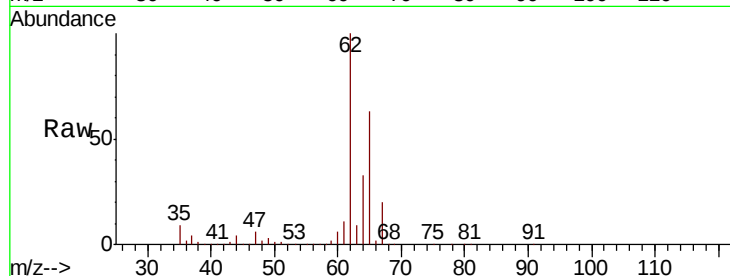
VSTD05076

Tot Ion: 62 Resp: 270150

Ion Ratio Lower Upper

62 100

64 32.8 23.0 42.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.31

250000

200000

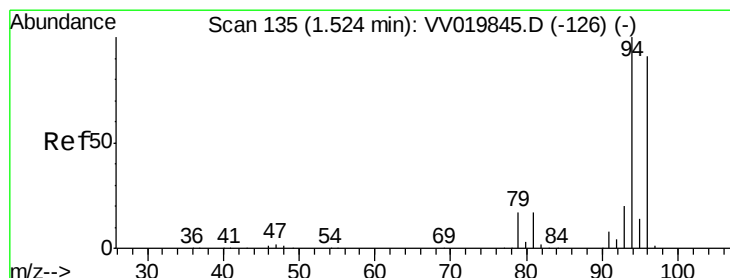
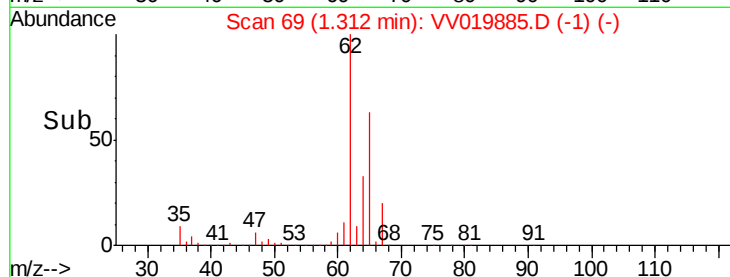
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 48.937 ug/L

RT: 1.52 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV019885.D

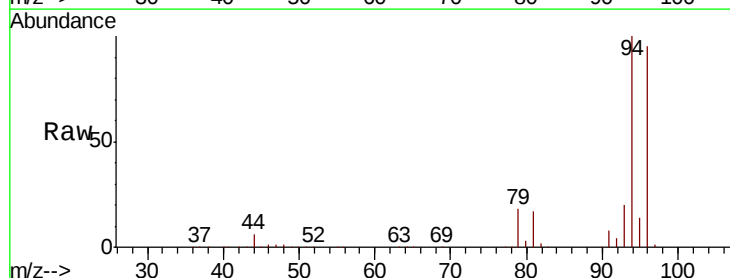
Acq: 05 Jan 2021 09:39

Tgt Ion: 94 Resp: 161092

Ion Ratio Lower Upper

94 100

96 94.7 63.6 118.2



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.52

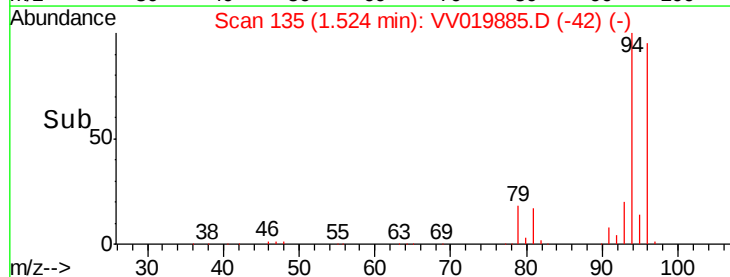
150000

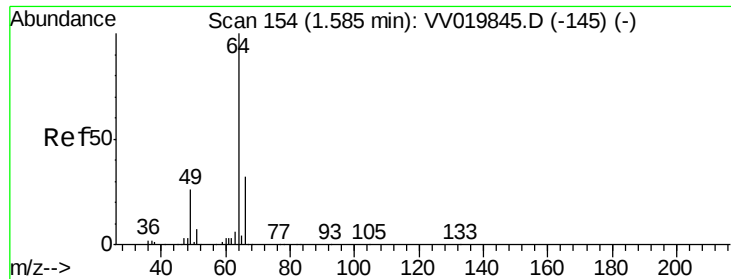
100000

50000

0

Time--> 1.45 1.50 1.55 1.60

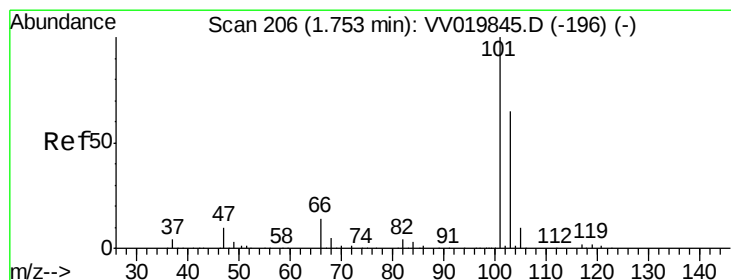
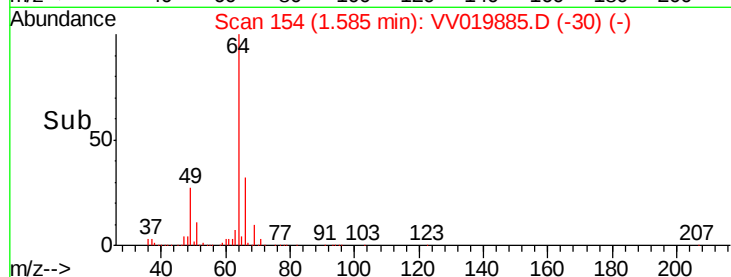
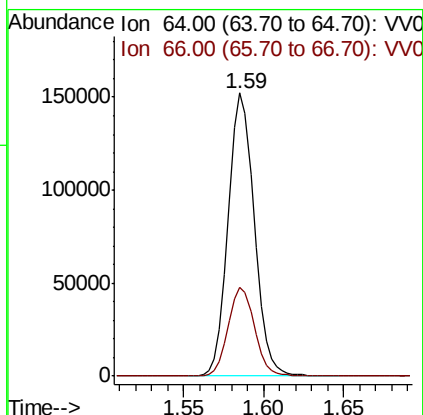
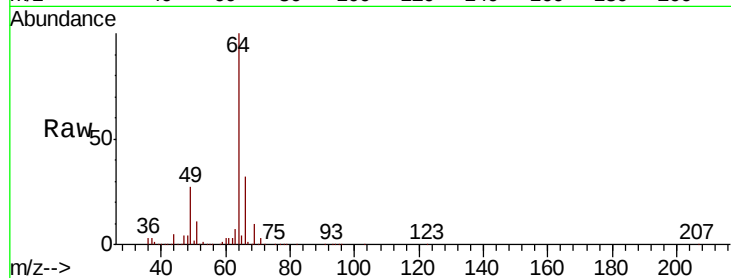




#8
Chloroethane
Concen: 49.883 ug/L
RT: 1.59 min Scan# 154
Delta R.T. 0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

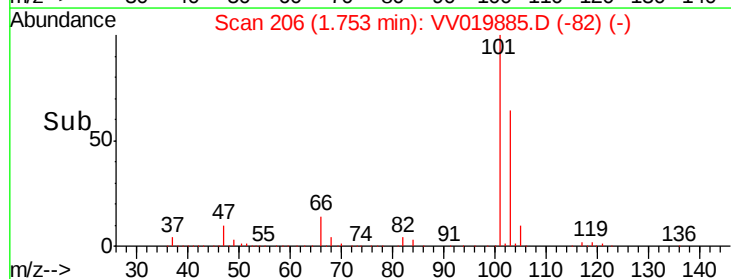
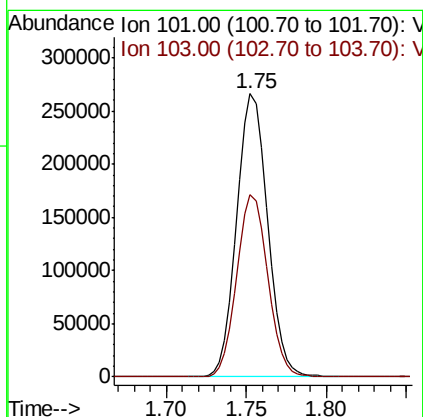
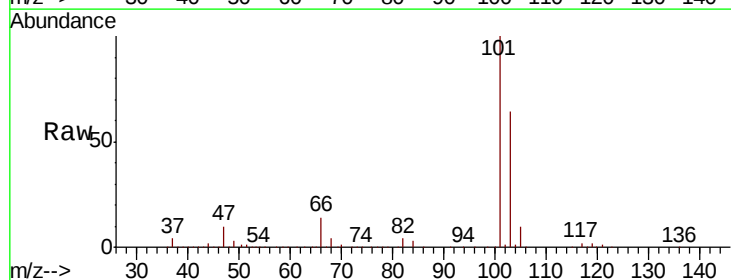
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

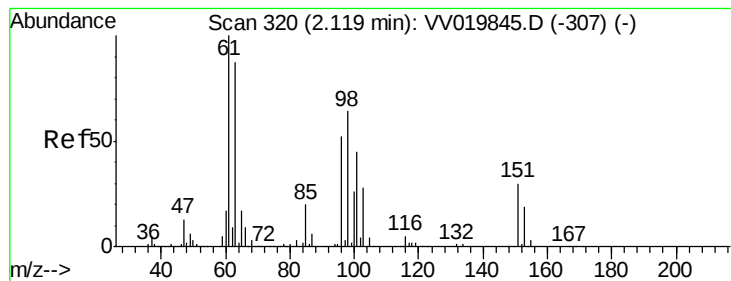
Tot Ion: 64 Resp: 168508
Ion Ratio Lower Upper
64 100
66 31.6 22.4 41.6



#9
Trichlorofluoromethane
Concen: 53.017 ug/L
RT: 1.75 min Scan# 206
Delta R.T. 0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Tgt Ion: 101 Resp: 348997
Ion Ratio Lower Upper
101 100
103 64.7 51.7 77.5





#10

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

Concen: 52.651 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

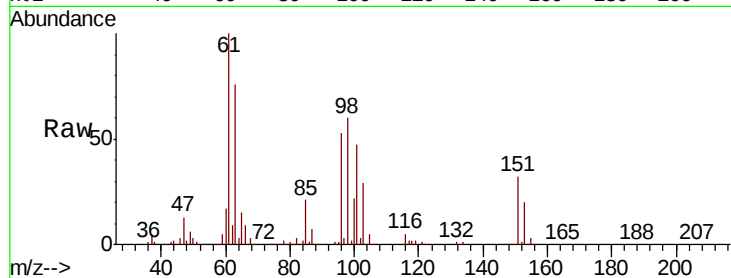
Tot Ion:101 Resp: 195196

Ion Ratio Lower Upper

101 100

85 44.6 35.3 52.9

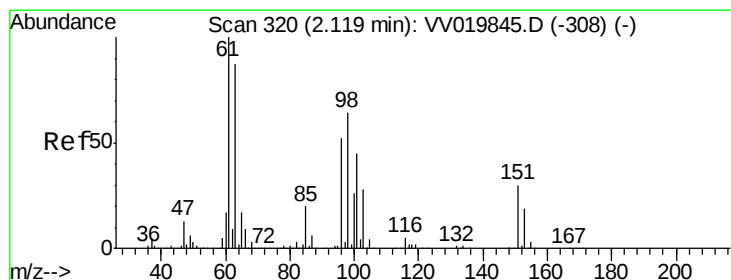
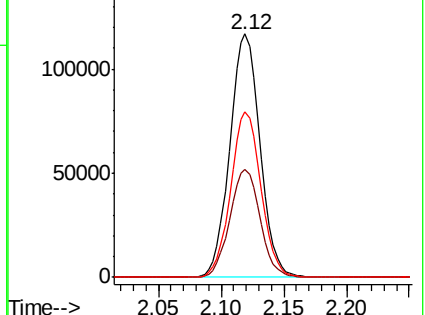
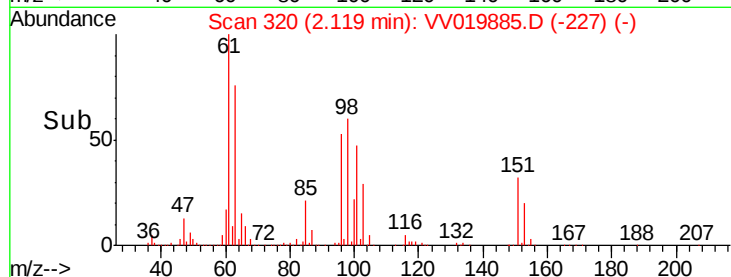
151 68.3 53.6 80.4



Abundance Ion 101.00 (100.70 to 101.70): VV019885.D (-227) (-)

Ion 85.00 (84.70 to 85.70): VV019885.D (-227) (-)

Ion 151.00 (150.70 to 151.70): VV019885.D (-227) (-)



#12

1,1-Dichloroethene

Concen: 50.437 ug/L

RT: 2.12 min Scan# 320

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

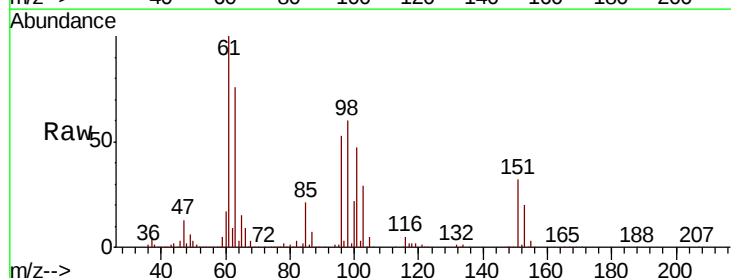
Tgt Ion: 96 Resp: 187628

Ion Ratio Lower Upper

96 100

61 190.1 134.9 250.5

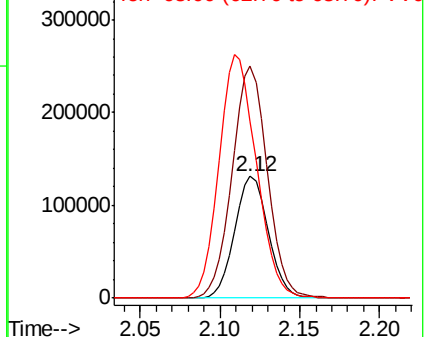
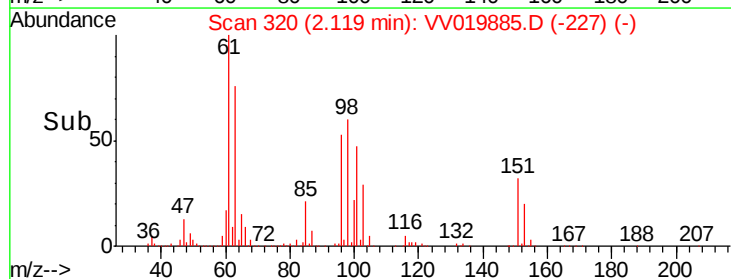
63 145.3 117.6 218.4

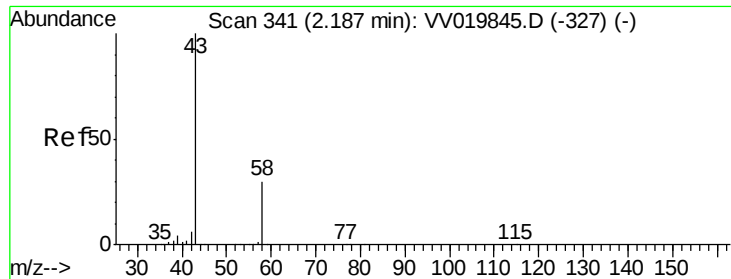


Abundance Ion 96.00 (95.70 to 96.70): VV019885.D (-227) (-)

Ion 61.00 (60.70 to 61.70): VV019885.D (-227) (-)

Ion 63.00 (62.70 to 63.70): VV019885.D (-227) (-)





#13

Acetone

Concen: 128.787 ug/L

RT: 2.18 min Scan# 338

Delta R.T. -0.01 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

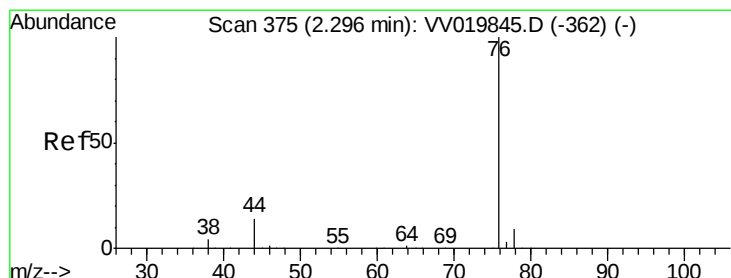
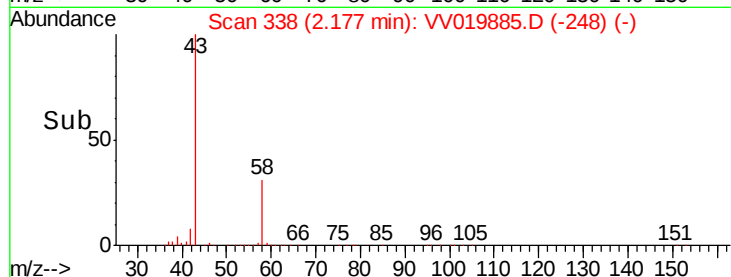
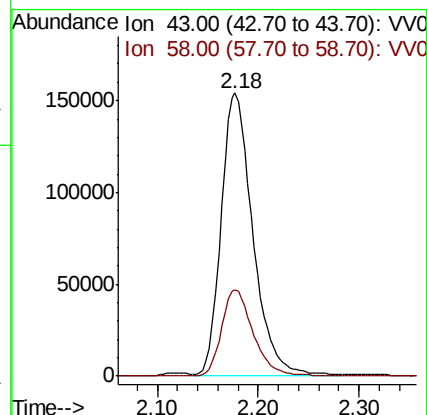
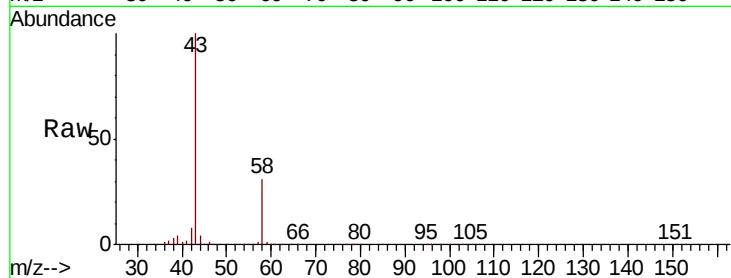
VSTD05076

Tot Ion: 43 Resp: 334524

Ion Ratio Lower Upper

43 100

58 30.3 0.0 60.2



#14

Carbon disulfide

Concen: 50.140 ug/L

RT: 2.30 min Scan# 375

Delta R.T. 0.00 min

Lab File: VV019885.D

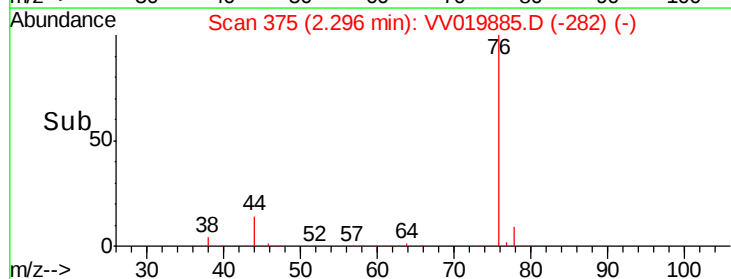
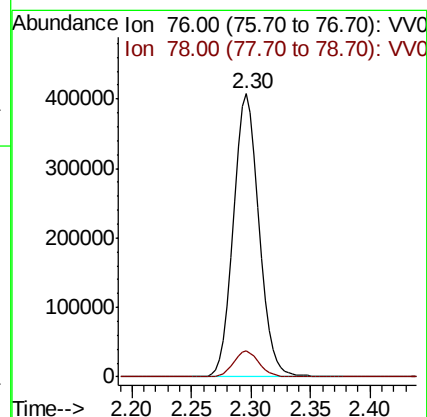
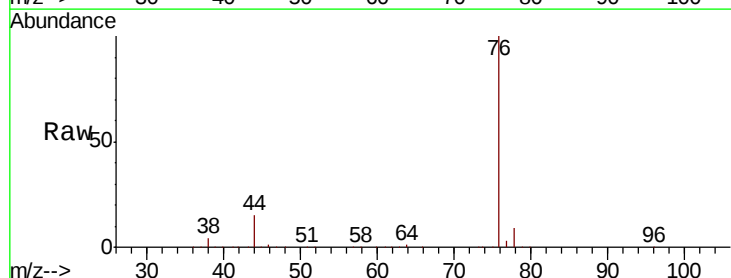
Acq: 05 Jan 2021 09:39

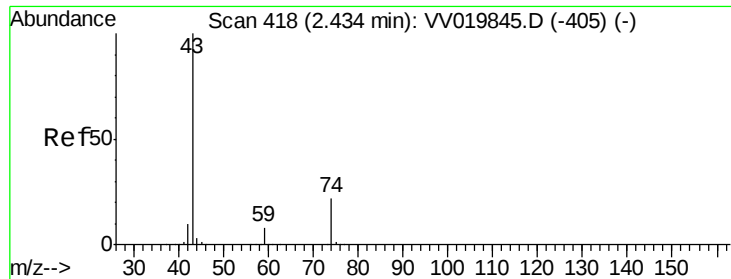
Tgt Ion: 76 Resp: 607658

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8





#15

Methvl Acetate

Concen: 49.747 ug/L

RT: 2.43 min Scan# 417

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

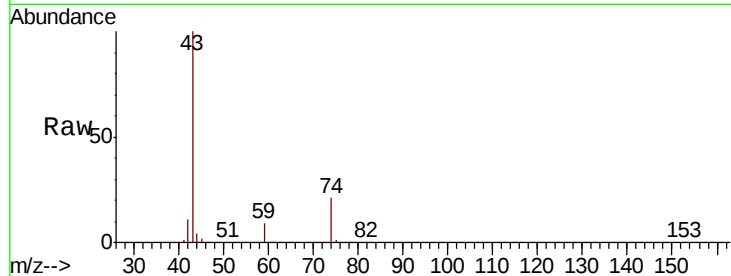
VSTD05076

Tot Ion: 43 Resp: 262551

Ion Ratio Lower Upper

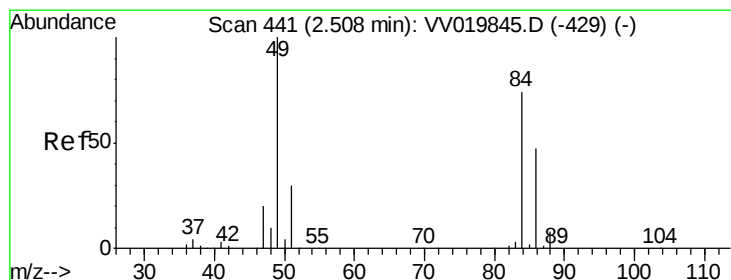
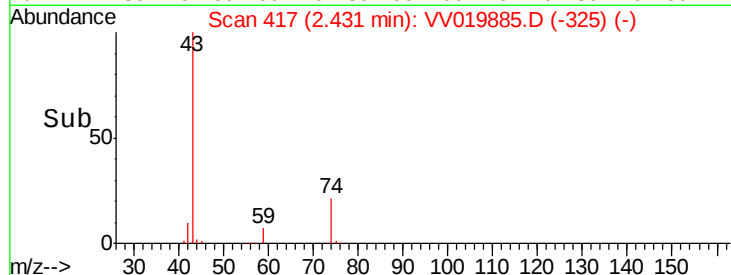
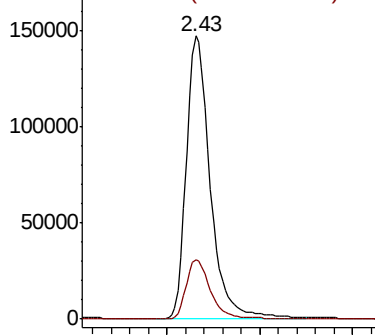
43 100

74 21.6 17.6 26.4



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 49.215 ug/L

RT: 2.51 min Scan# 441

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

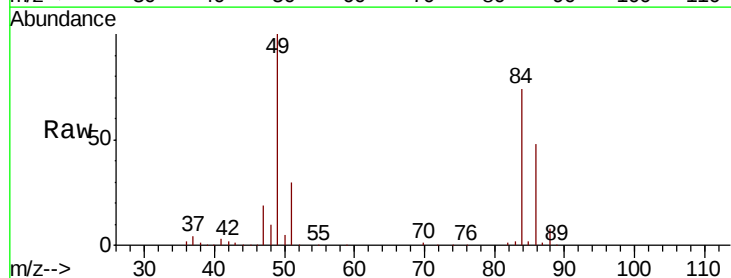
Tgt Ion: 84 Resp: 229941

Ion Ratio Lower Upper

84 100

86 64.6 44.6 82.8

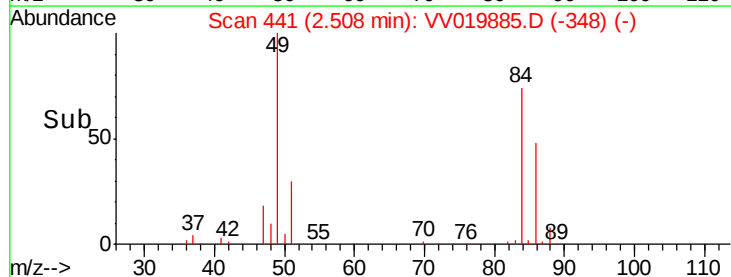
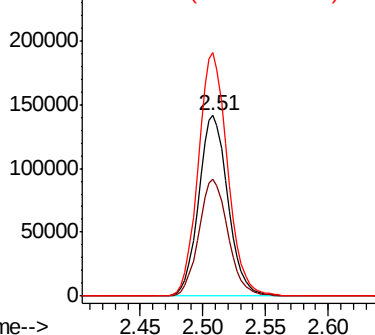
49 134.7 94.6 175.8

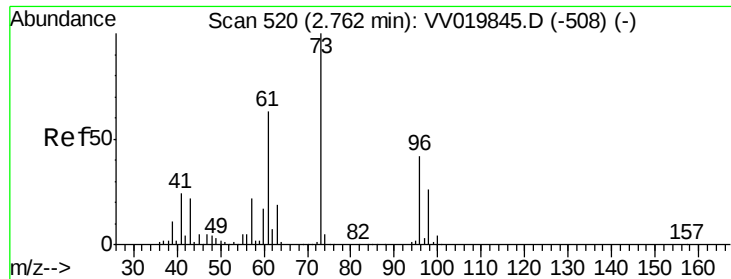


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

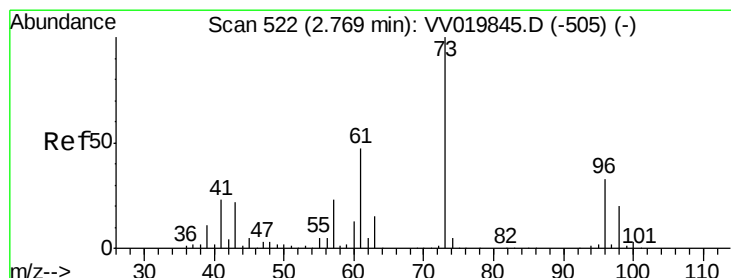
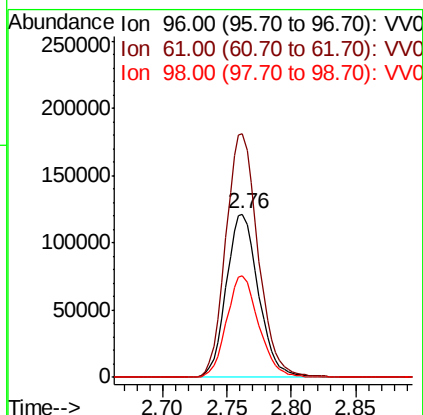
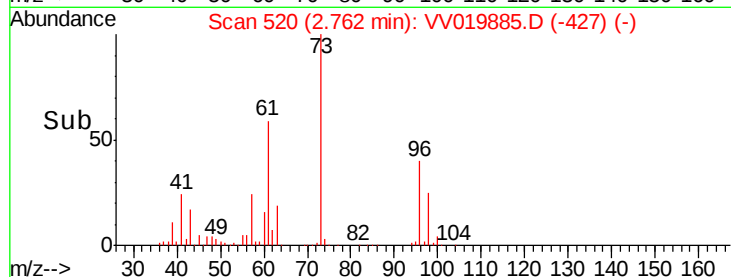
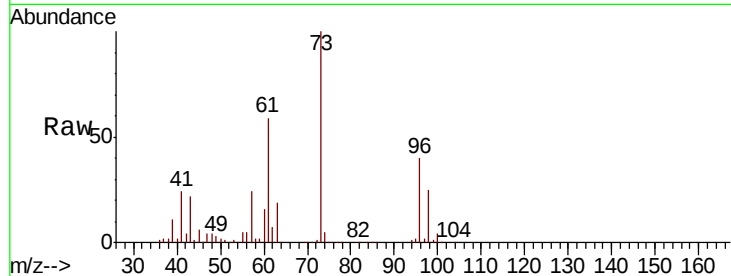




#17
trans-1,2-Dichloroethene
Concen: 50.635 ug/L
RT: 2.76 min Scan# 520
Delta R.T. 0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

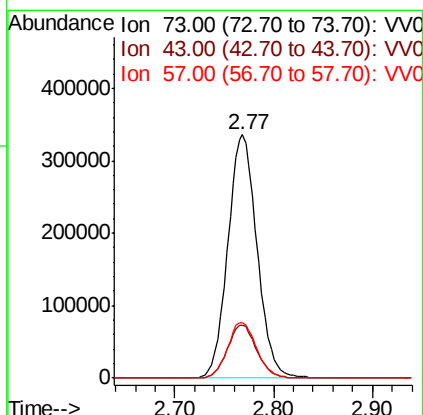
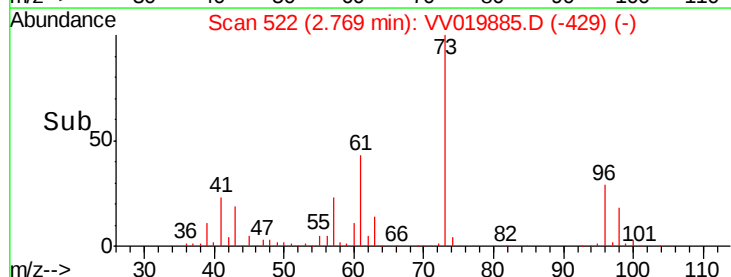
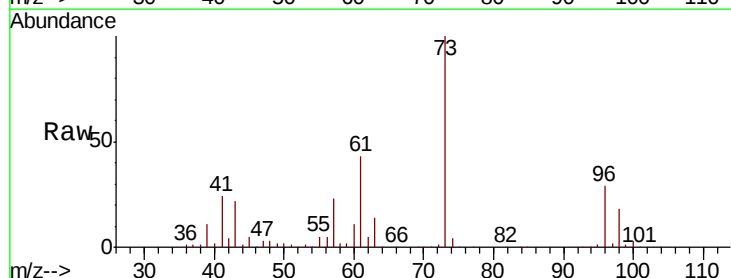
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

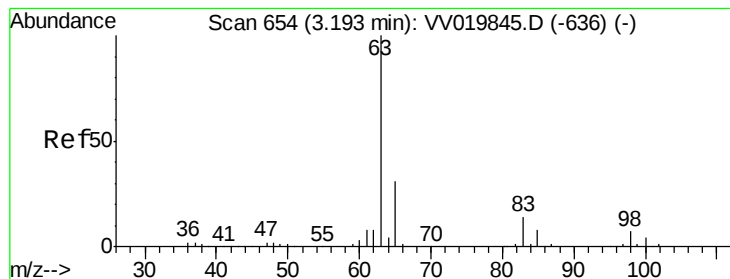
Tot Ion	Ion	Ratio	Lower	Upper
96	100			
61	149.4	103.1	191.5	
98	62.7	43.1	80.1	



#18
Methyl tert-butyl Ether
Concen: 49.246 ug/L
RT: 2.77 min Scan# 522
Delta R.T. 0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Tgt Ion	Ion	Ratio	Lower	Upper
73	100			
43	21.8	17.3	25.9	
57	22.9	17.9	26.9	





#19

1,1-Dichloroethane

Concen: 49.946 ug/L

RT: 3.19 min Scan# 653

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

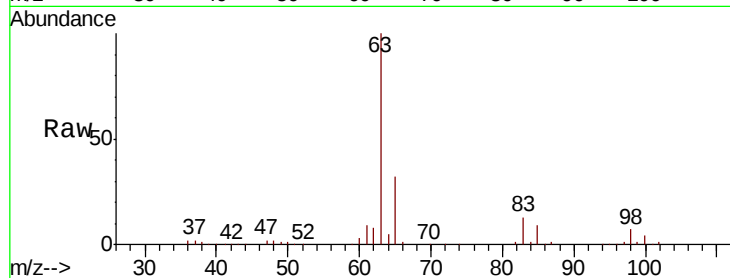
Tot Ion: 63 Resp: 419498

Ion Ratio Lower Upper

63 100

65 31.6 21.9 40.7

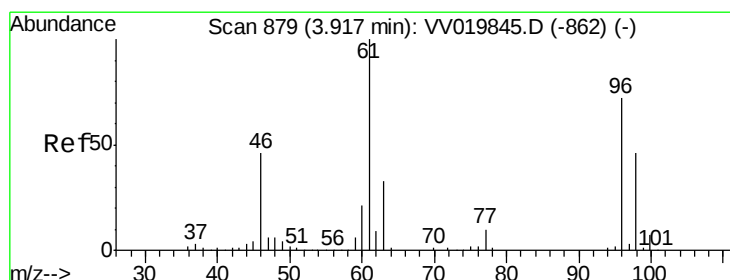
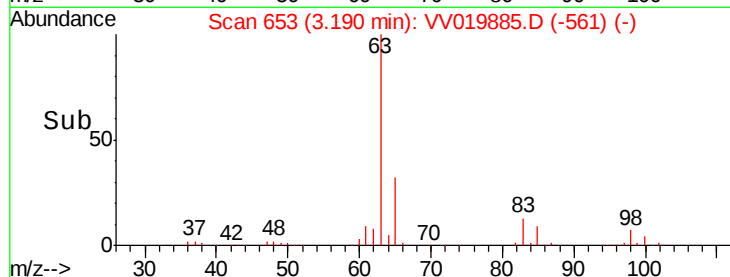
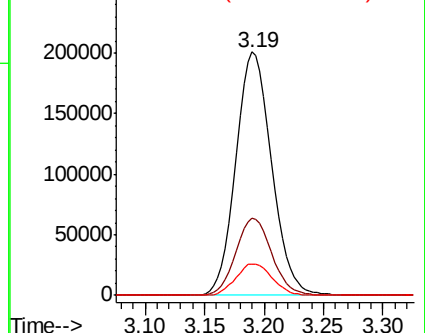
83 12.9 9.5 17.7



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: 49.371 ug/L

RT: 3.91 min Scan# 878

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

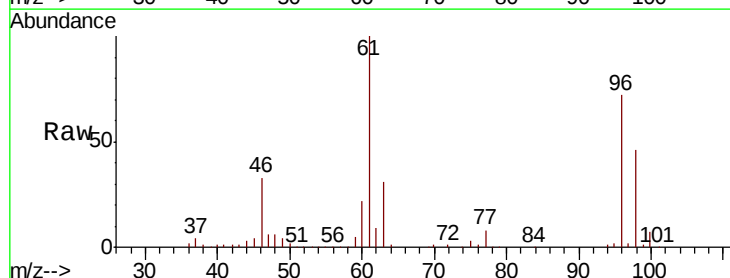
Tgt Ion: 96 Resp: 224826

Ion Ratio Lower Upper

96 100

61 138.7 96.9 179.9

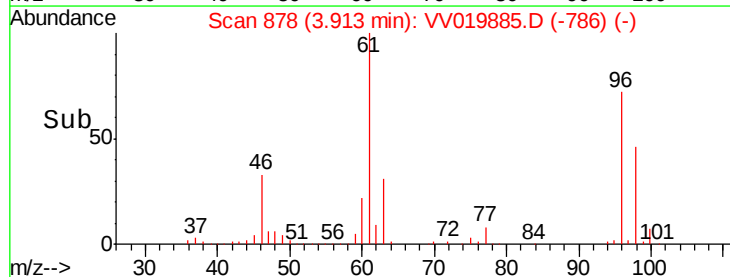
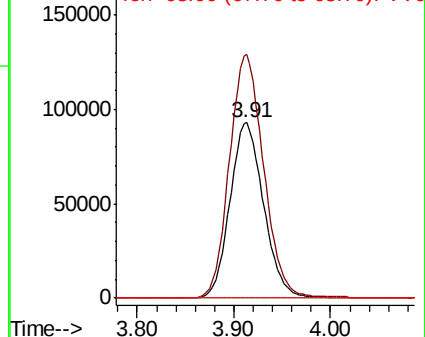
68 0.0 0.0 0.0

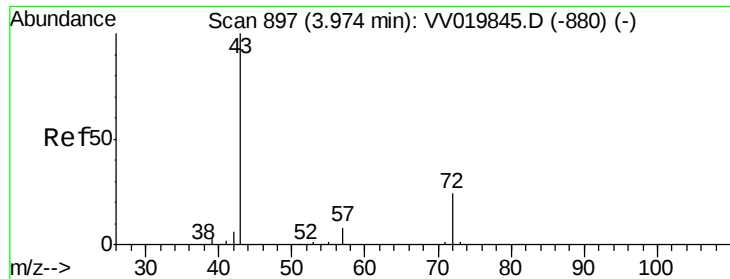


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 111.722 ug/L

RT: 3.97 min Scan# 895

Delta R.T. -0.01 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

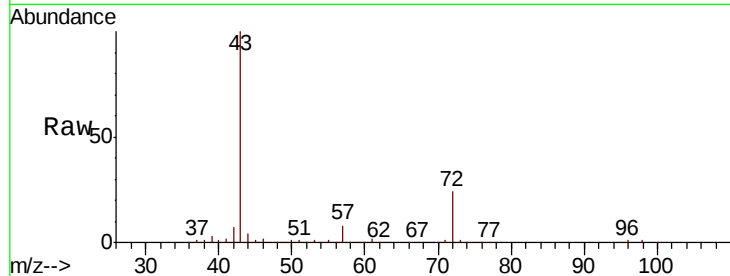
VSTD05076

Tot Ion: 43 Resp: 407429

Ion Ratio Lower Upper

43 100

72 23.6 12.2 36.6



Abundance Ion 43.00 (42.70 to 43.70): VV019885.D (-891) (-)

Ion 72.00 (71.70 to 72.70): VV019885.D (-891) (-)

3.97

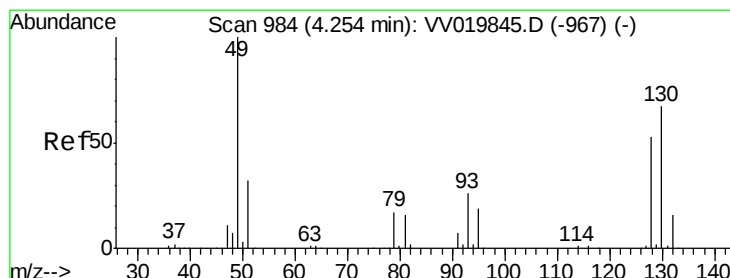
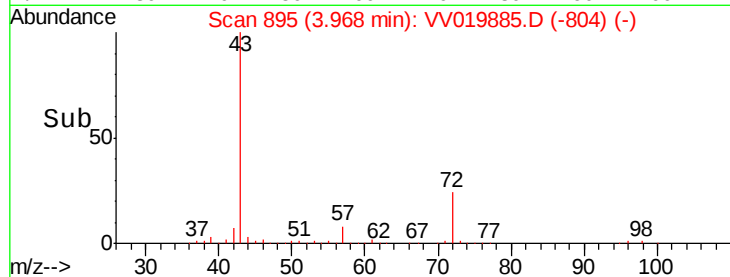
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 51.039 ug/L

RT: 4.25 min Scan# 982

Delta R.T. -0.01 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Tgt Ion:128 Resp: 114839

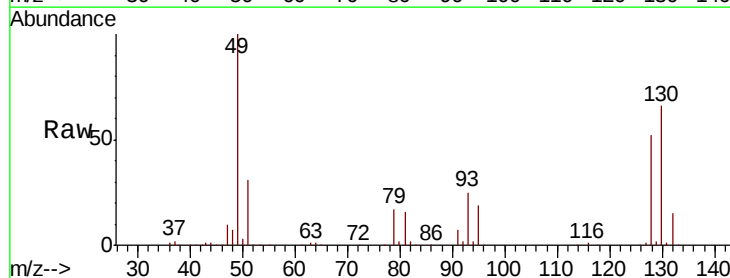
Ion Ratio Lower Upper

128 100

49 191.5 133.1 247.1

130 126.0 89.0 165.4

51 60.1 49.3 73.9



Abundance Ion 128.00 (127.70 to 128.70): VV019885.D (-891) (-)

Ion 49.00 (48.70 to 49.70): VV019885.D (-891) (-)

Ion 130.00 (129.70 to 130.70): VV019885.D (-891) (-)

Ion 51.00 (50.70 to 51.70): VV019885.D (-891) (-)

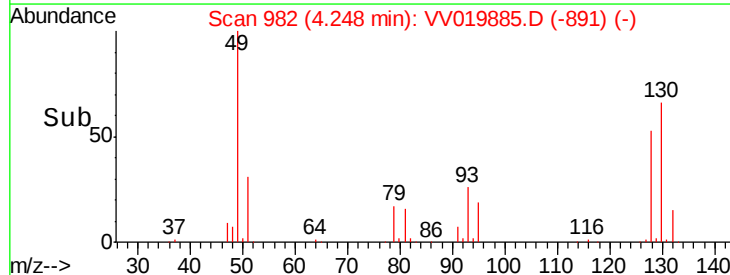
4.25

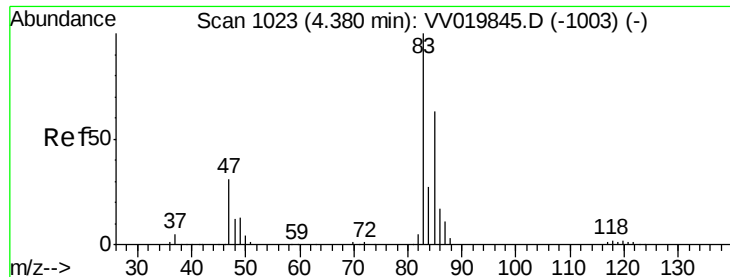
100000

50000

0

Time-->





#25

Chloroform

Concen: 50.476 ug/L

RT: 4.38 min Scan# 1022

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

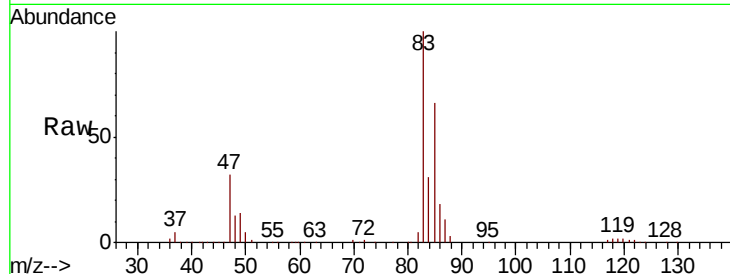
VSTD05076

Tot Ion: 83 Resp: 418218

Ion Ratio Lower Upper

83 100

85 65.7 44.2 82.2



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

4.38

150000

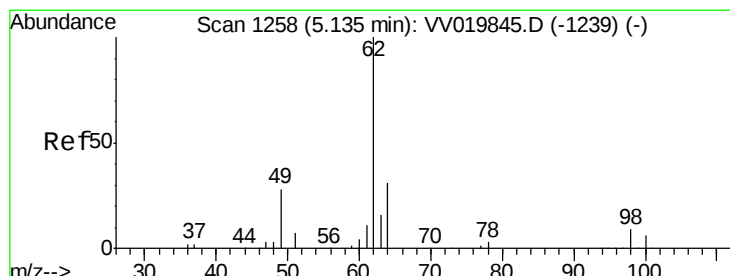
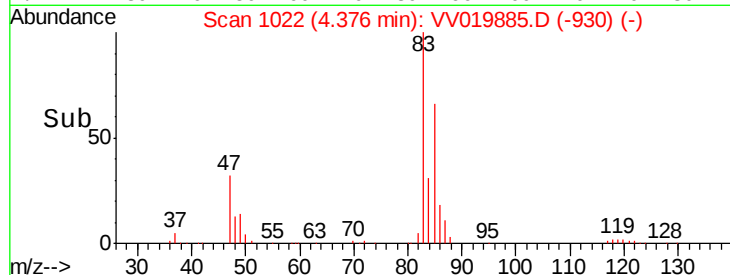
100000

50000

0

Time-->

4.30 4.40 4.50



#27

1,2-Dichloroethane

Concen: 50.096 ug/L

RT: 5.13 min Scan# 1257

Delta R.T. -0.00 min

Lab File: VV019885.D

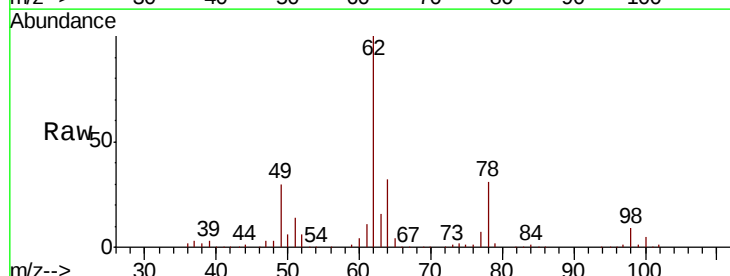
Acq: 05 Jan 2021 09:39

Tgt Ion: 62 Resp: 342213

Ion Ratio Lower Upper

62 100

98 8.7 6.9 10.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

5.13

150000

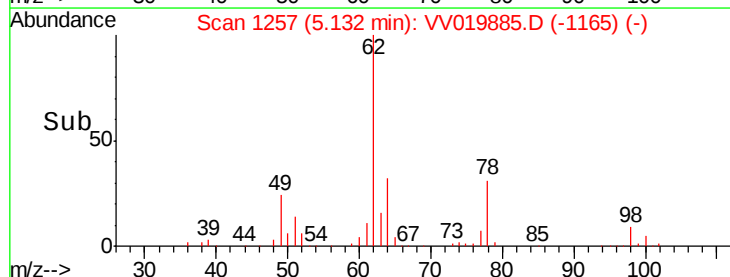
100000

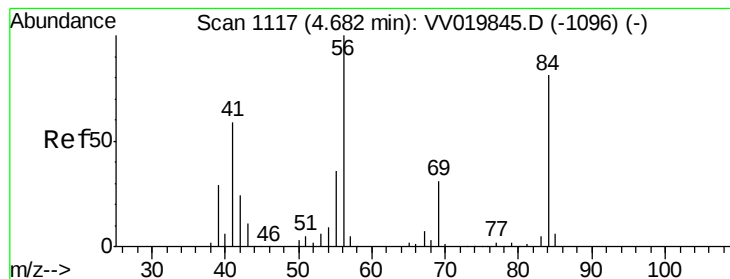
50000

0

Time-->

5.10 5.20





#29

Cvclohexane

Concen: 50.230 ug/L

RT: 4.68 min Scan# 1116

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

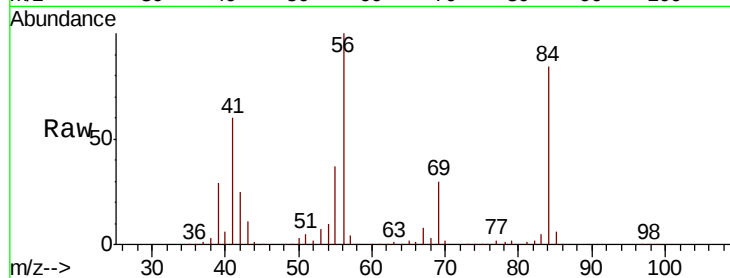
Tot Ion: 56 Resp: 364905

Ion Ratio Lower Upper

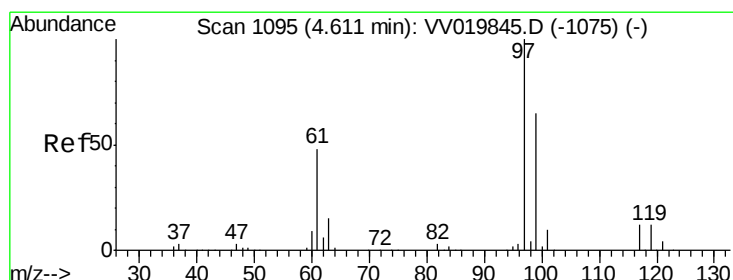
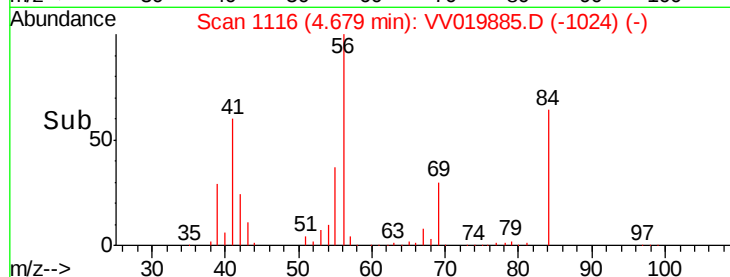
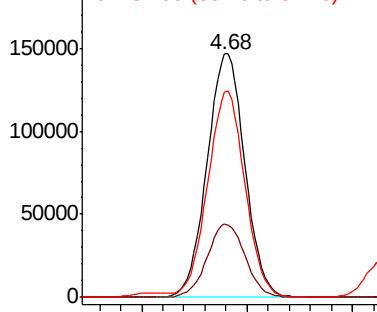
56 100

69 30.2 24.2 36.2

84 83.6 66.3 99.5



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: 49.908 ug/L

RT: 4.61 min Scan# 1095

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

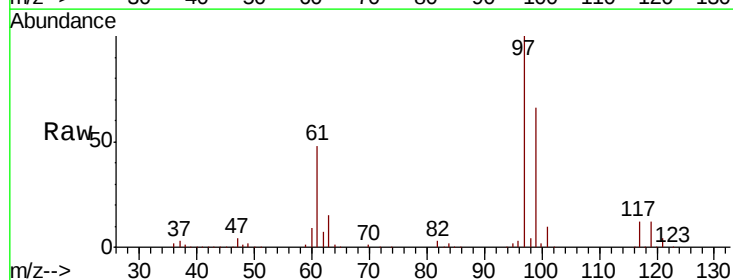
Tgt Ion: 97 Resp: 362559

Ion Ratio Lower Upper

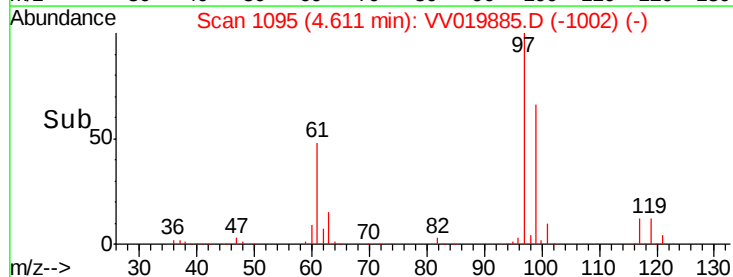
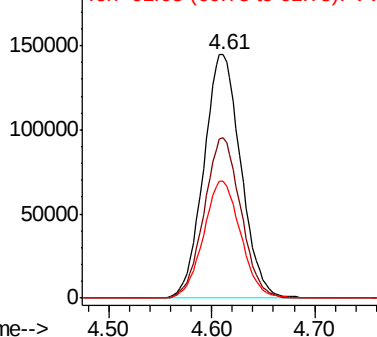
97 100

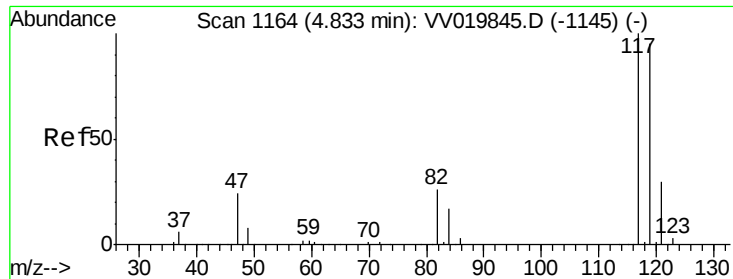
99 65.0 51.2 76.8

61 48.0 38.5 57.7



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: 51.146 ug/L

RT: 4.83 min Scan# 1163

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampled :

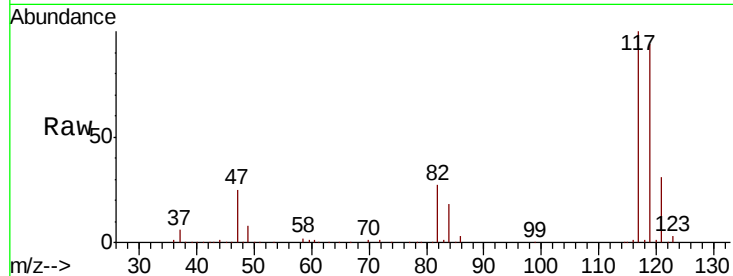
VSTD05076

Tot Ion:117 Resp: 305755

Ion Ratio Lower Upper

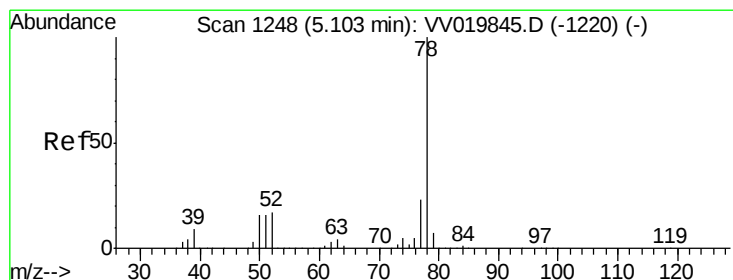
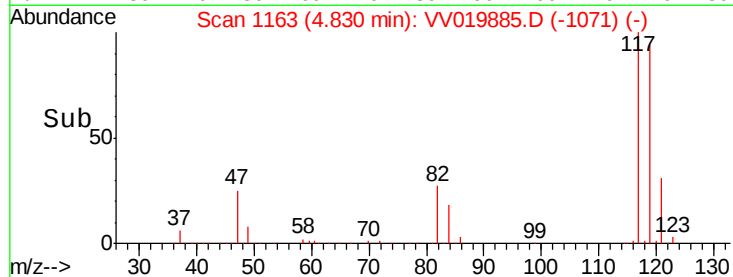
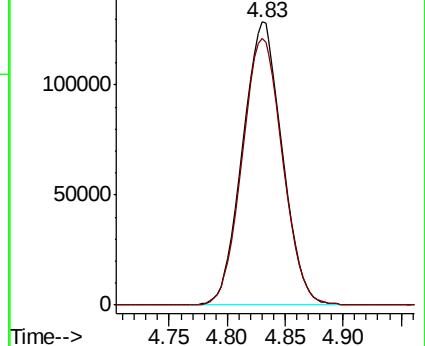
117 100

119 96.1 76.3 114.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.179 ug/L

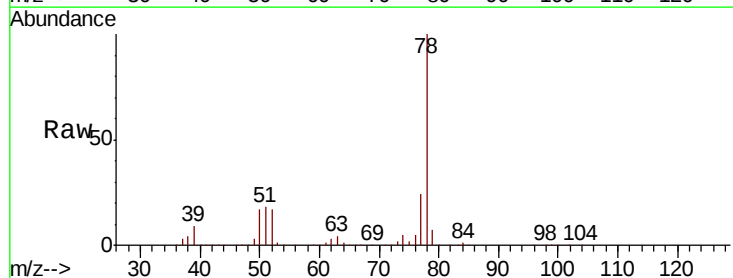
RT: 5.10 min Scan# 1247

Delta R.T. -0.00 min

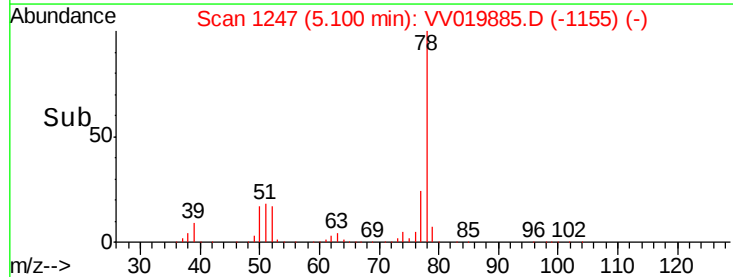
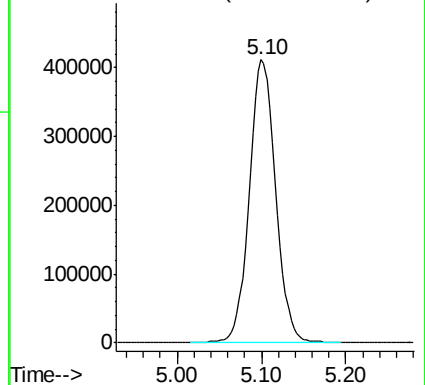
Lab File: VV019885.D

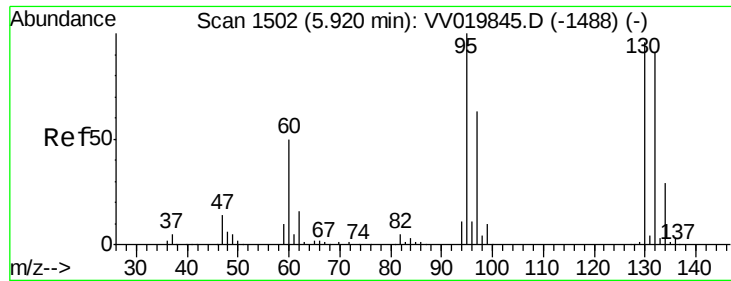
Acq: 05 Jan 2021 09:39

Tgt Ion: 78 Resp: 895518



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.112 ug/L

RT: 5.91 min Scan# 1500

Delta R.T. -0.01 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

Tot Ion: 95 Resp: 237260

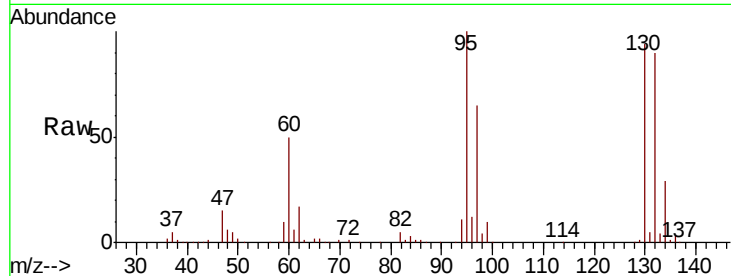
Ion Ratio Lower Upper

95 100

97 64.7 44.5 82.7

132 89.9 63.4 117.8

130 94.4 67.1 124.5

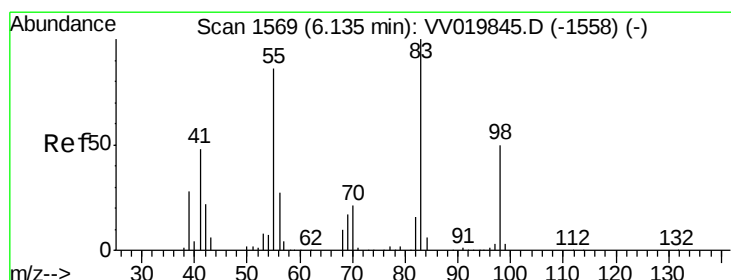
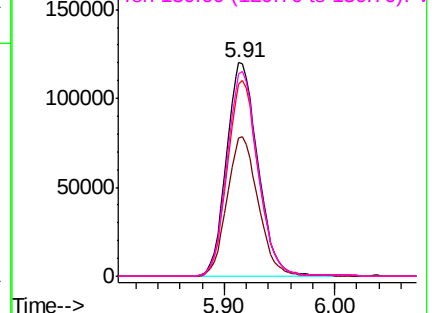
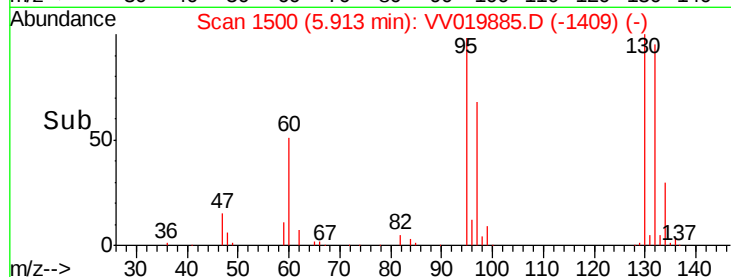


Abundance Ion 95.00 (94.70 to 95.70): VV019885.D (-1488) (-)

Ion 97.00 (96.70 to 97.70): VV019885.D (-1488) (-)

Ion 132.00 (131.70 to 132.70): VV019885.D (-1488) (-)

Ion 130.00 (129.70 to 130.70): VV019885.D (-1488) (-)



#35

Methylcyclohexane

Concen: 51.440 ug/L

RT: 6.13 min Scan# 1568

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

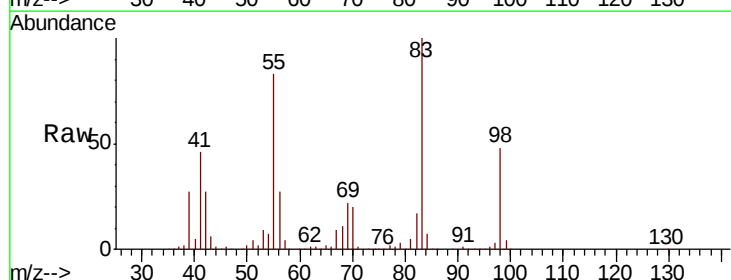
Tgt Ion: 83 Resp: 365241

Ion Ratio Lower Upper

83 100

55 81.7 65.1 97.7

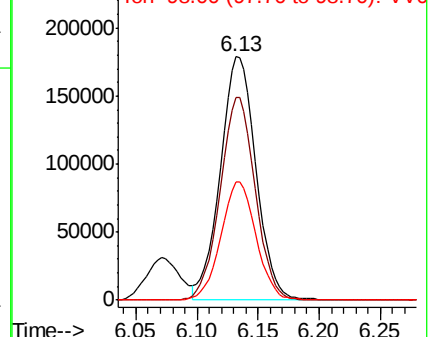
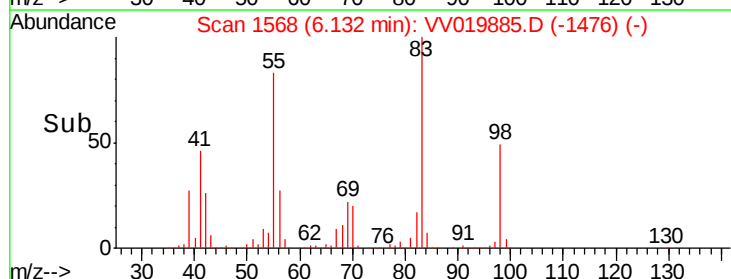
98 48.1 38.2 57.2

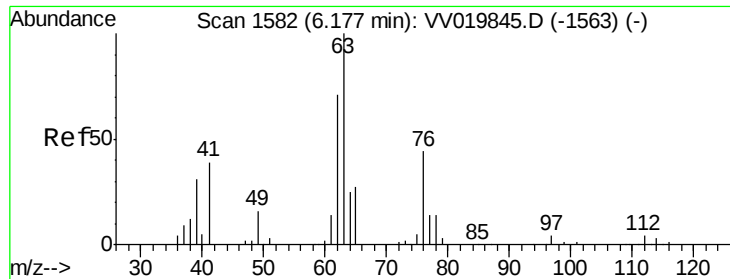


Abundance Ion 83.00 (82.70 to 83.70): VV019885.D (-1476) (-)

Ion 55.00 (54.70 to 55.70): VV019885.D (-1476) (-)

Ion 98.00 (97.70 to 98.70): VV019885.D (-1476) (-)





#37

1,2-Dichloropropane

Concen: 50.809 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

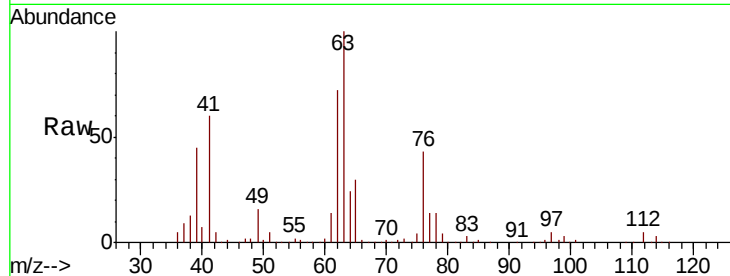
VSTD05076

Tot Ion: 63 Resp: 243504

Ion Ratio Lower Upper

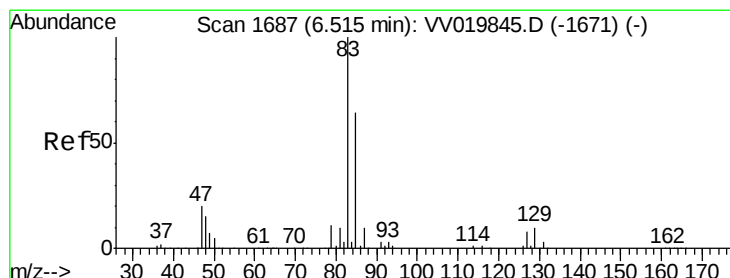
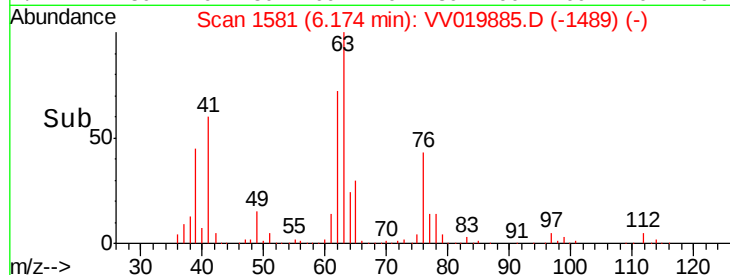
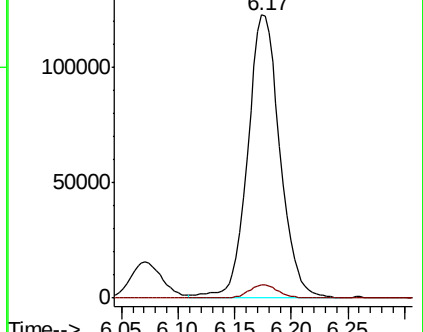
63 100

112 4.4 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV019885.D (-1563) (-)

Ion 112.00 (111.70 to 112.70): VV019885.D (-1563) (-)



#38

Bromodichloromethane

Concen: 50.635 ug/L

RT: 6.51 min Scan# 1686

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

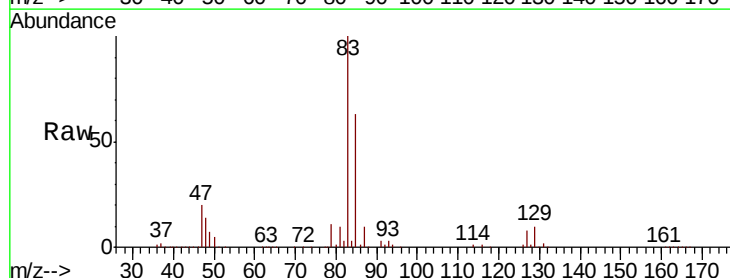
Tgt Ion: 83 Resp: 317262

Ion Ratio Lower Upper

83 100

85 62.5 44.5 82.7

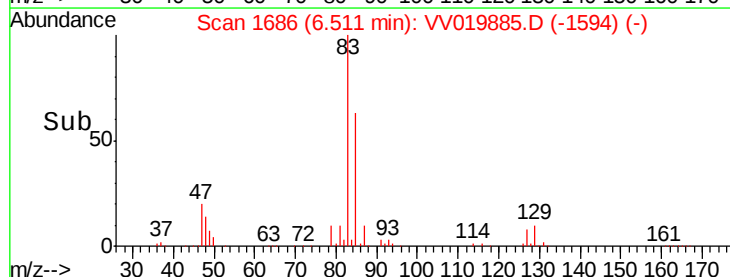
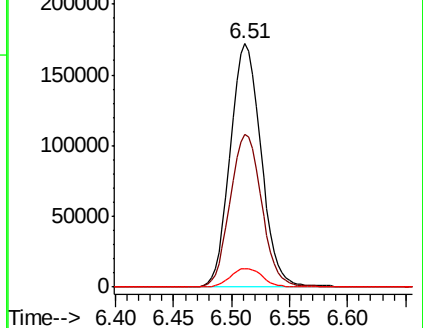
127 7.8 6.3 9.5

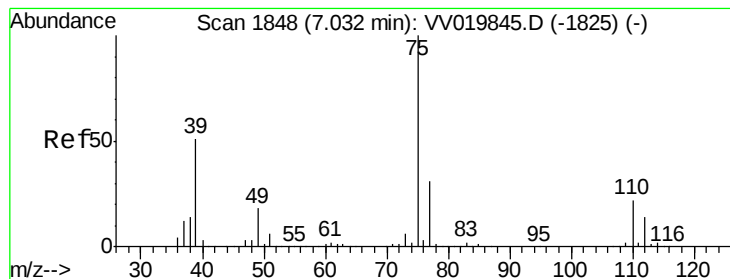


Abundance Ion 83.00 (82.70 to 83.70): VV019885.D (-1594) (-)

Ion 85.00 (84.70 to 85.70): VV019885.D (-1594) (-)

Ion 127.00 (126.70 to 127.70): VV019885.D (-1594) (-)



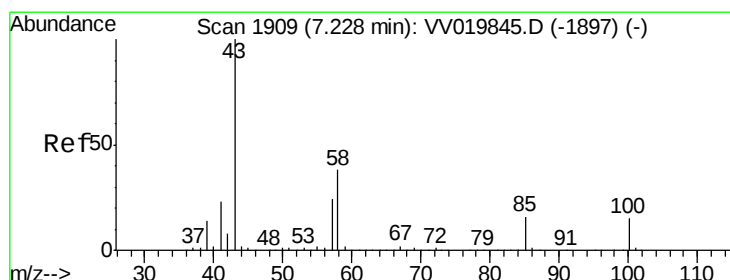
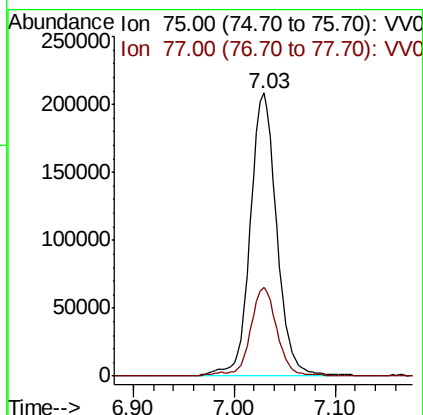
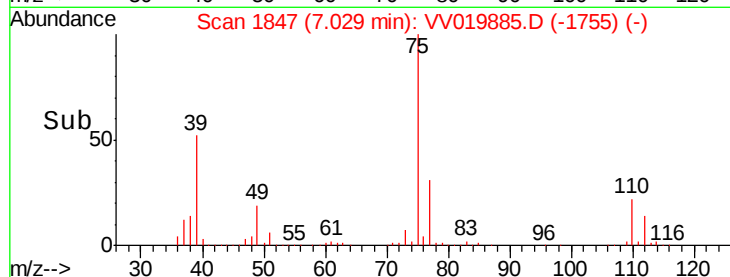
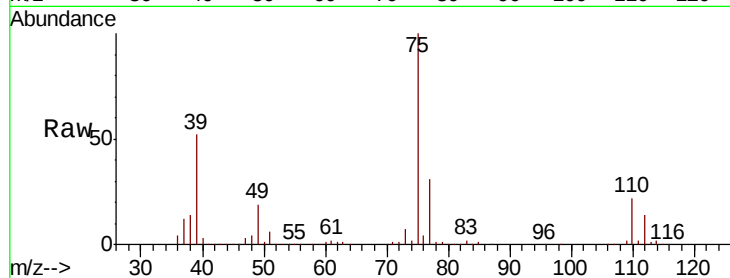


#39

cis-1,3-Dichloropropene
Concen: 51.196 ug/L
RT: 7.03 min Scan# 1847
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

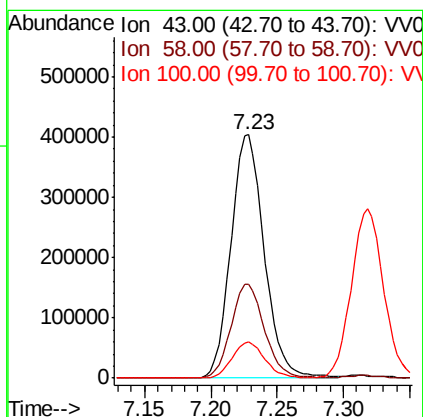
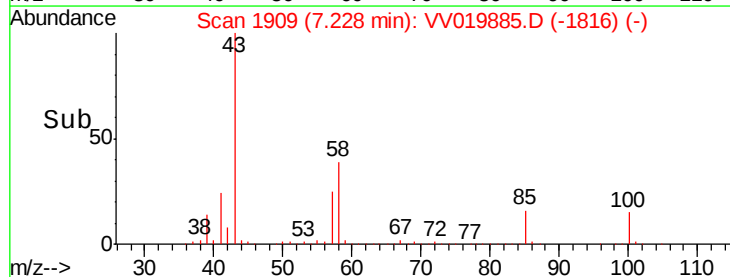
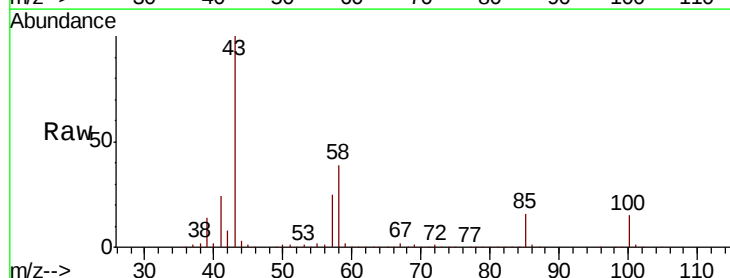
Tot Ion: 75 Resp: 377938
Ion Ratio Lower Upper
75 100
77 31.3 21.8 40.6

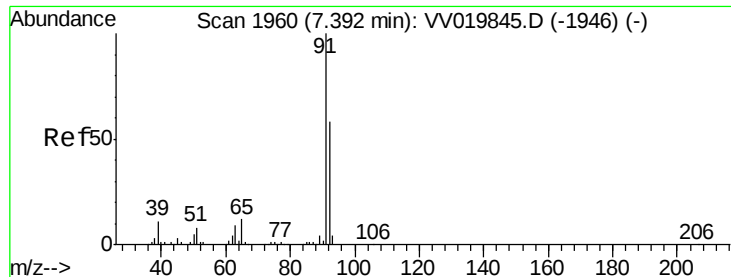


#40

4-Methyl-2-pentanone
Concen: 98.229 ug/L
RT: 7.23 min Scan# 1909
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Tgt Ion: 43 Resp: 704914
Ion Ratio Lower Upper
43 100
58 38.7 30.7 46.1
100 14.6 11.6 17.4





#42

Toluene

Concen: 50.667 ug/L

RT: 7.39 min Scan# 1959

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

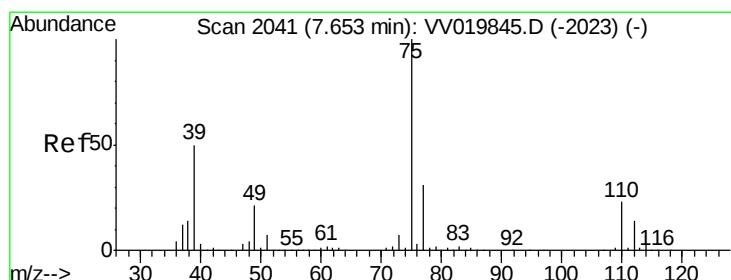
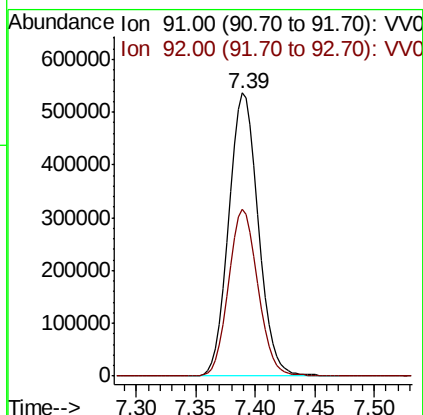
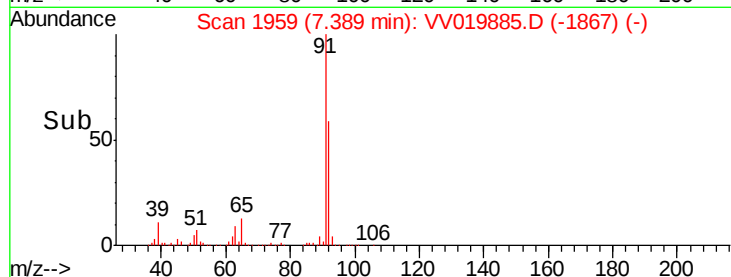
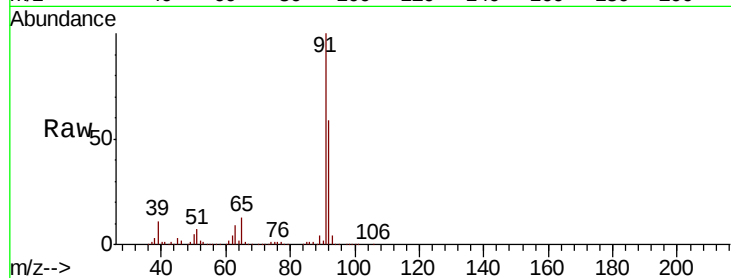
VSTD05076

Tot Ion: 91 Resp: 926248

Ion Ratio Lower Upper

91 100

92 59.1 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 51.447 ug/L

RT: 7.65 min Scan# 2041

Delta R.T. 0.00 min

Lab File: VV019885.D

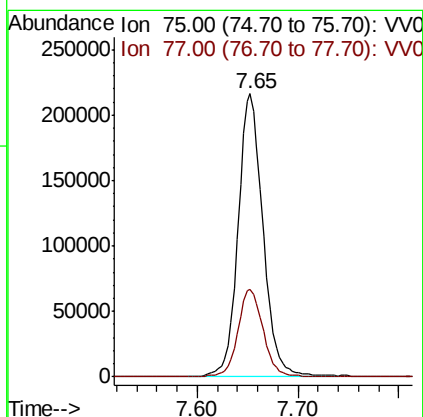
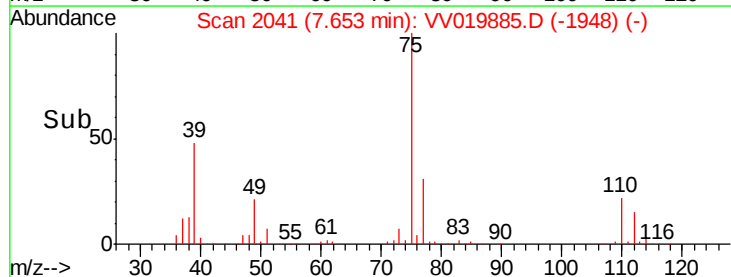
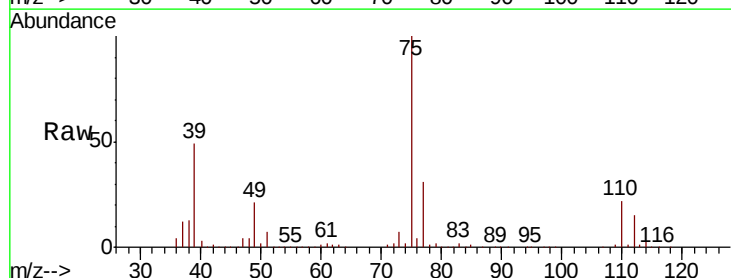
Acq: 05 Jan 2021 09:39

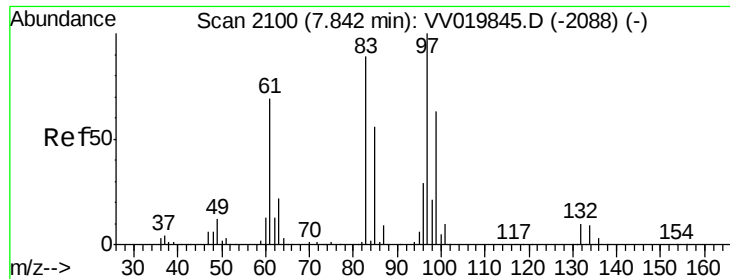
Tgt Ion: 75 Resp: 370432

Ion Ratio Lower Upper

75 100

77 31.1 22.0 41.0

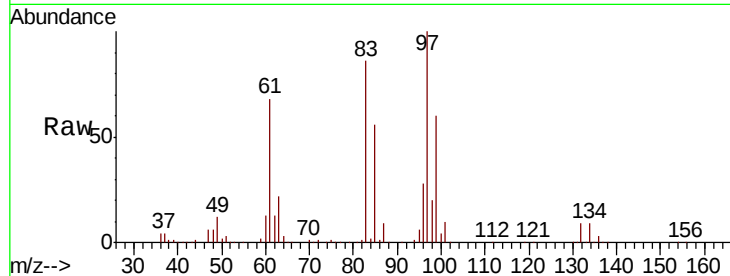




#45
1,1,2-Trichloroethane
Concen: 49.893 ug/L
RT: 7.84 min Scan# 2099
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion:	97	Resp:	219337
Ion	Ratio	Lower	Upper
97	100		
99	60.5	43.8	81.3
83	86.4	62.2	115.4
85	56.0	39.0	72.4



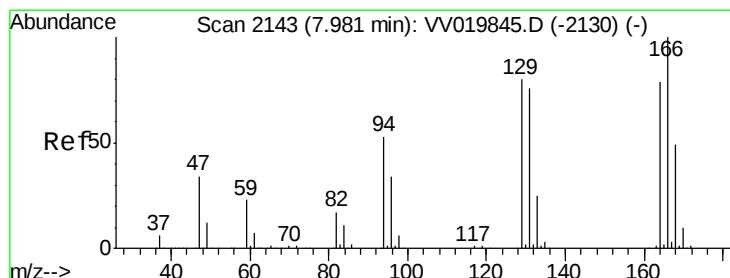
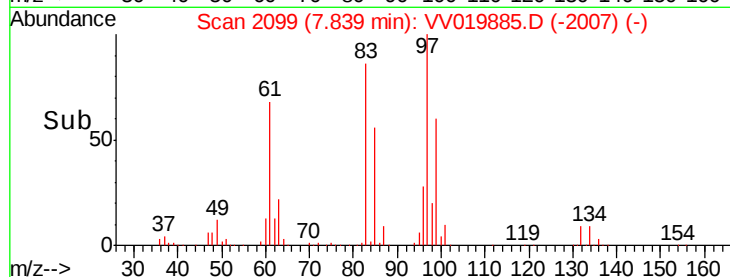
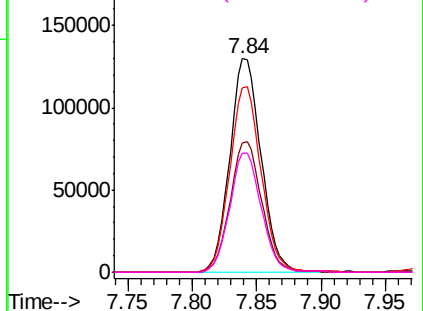
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

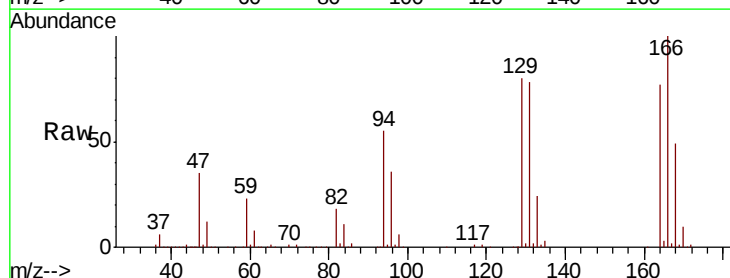
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 50.141 ug/L
RT: 7.98 min Scan# 2142
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Tgt Ion:	164	Resp:	158538
Ion	Ratio	Lower	Upper
164	100		
129	104.2	70.6	131.0
131	101.0	66.8	124.0
166	129.7	88.2	163.8



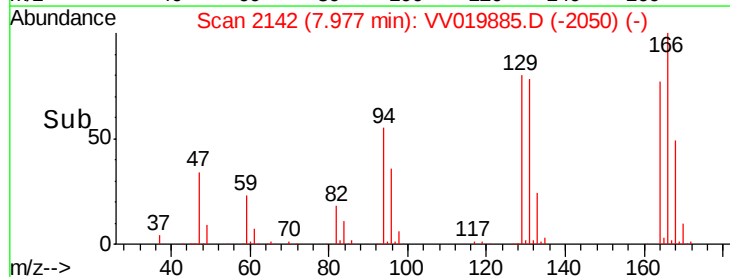
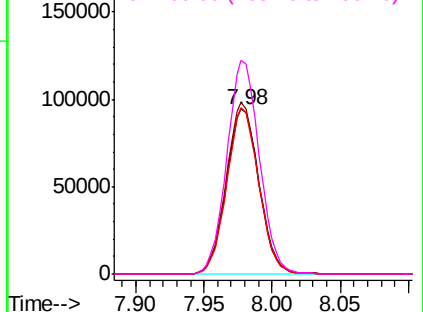
Abundance

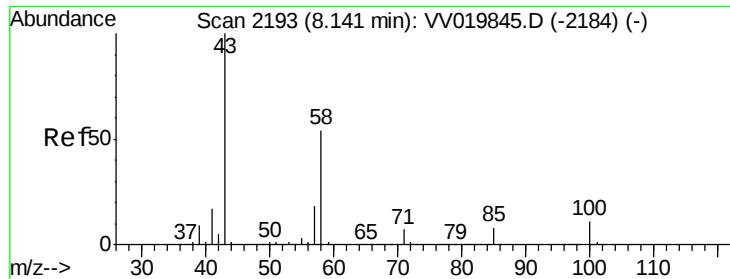
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

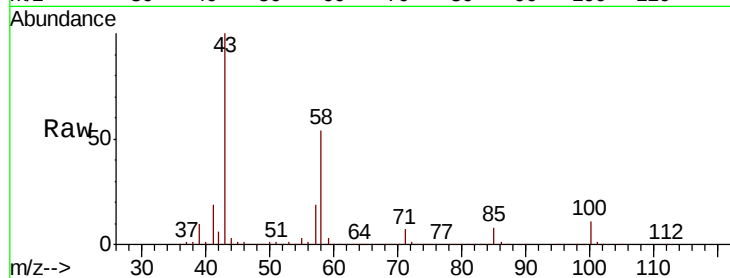




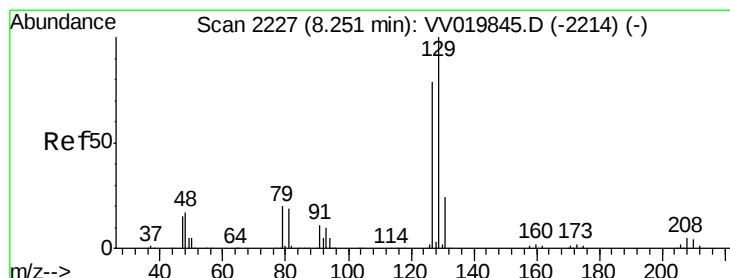
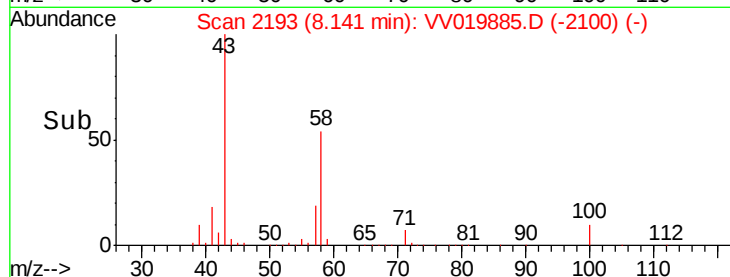
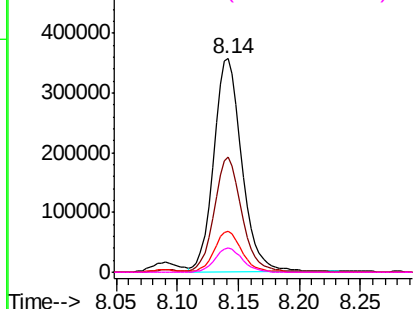
#48
2-Hexanone
Concen: 103.883 ug/L
RT: 8.14 min Scan# 2193
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

Tot Ion: 43 Resp: 576365
Ion Ratio Lower Upper
43 100
58 53.3 41.8 62.6
57 18.9 15.0 22.4
100 11.4 8.9 13.3

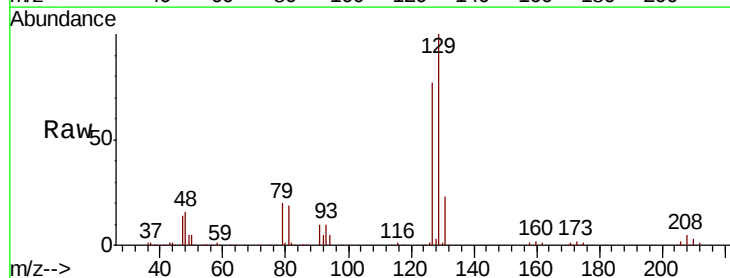


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

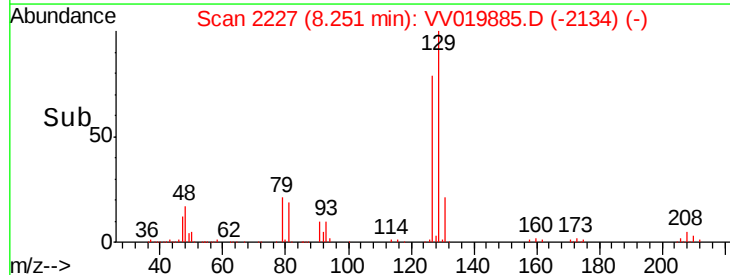
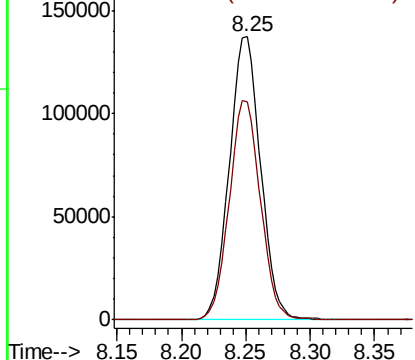


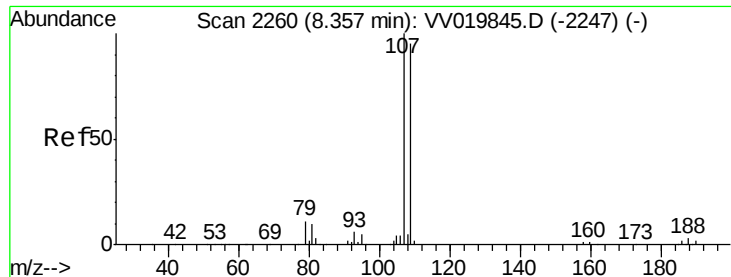
#49
Dibromochloromethane
Concen: 50.905 ug/L
RT: 8.25 min Scan# 2227
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Tgt Ion: 129 Resp: 231400
Ion Ratio Lower Upper
129 100
127 76.9 55.2 102.6



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

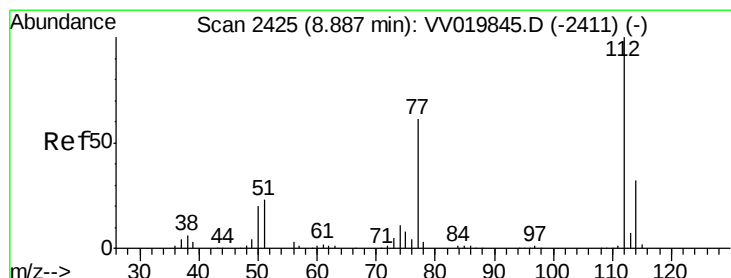
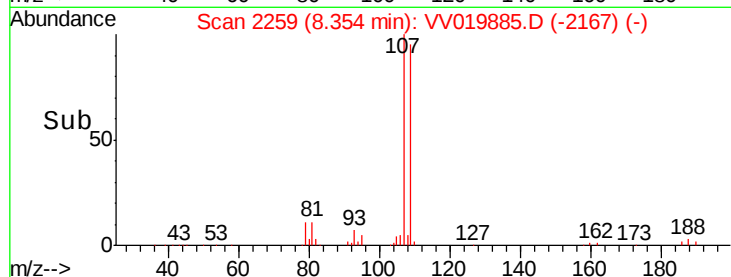
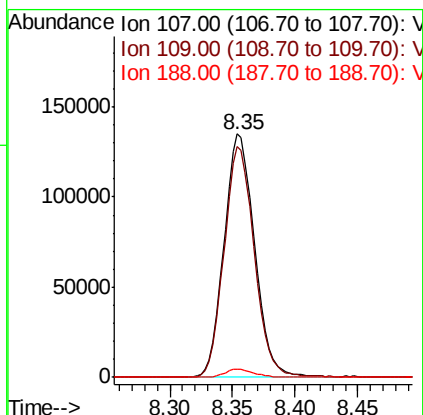
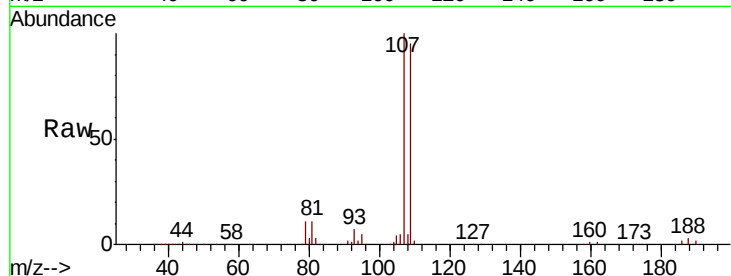




#50
1,2-Dibromoethane
Concen: 49.452 ug/L
RT: 8.35 min Scan# 2259
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

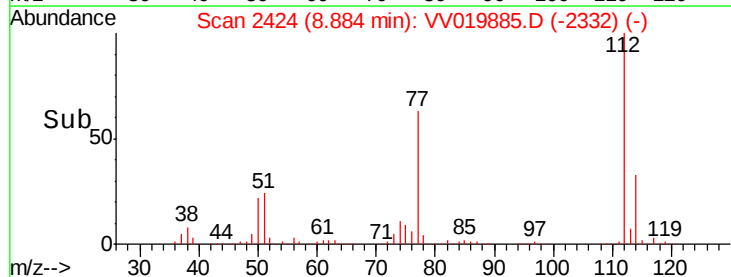
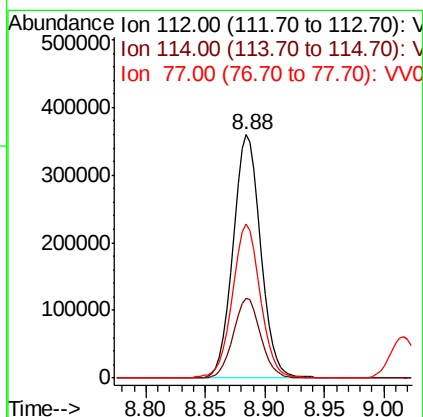
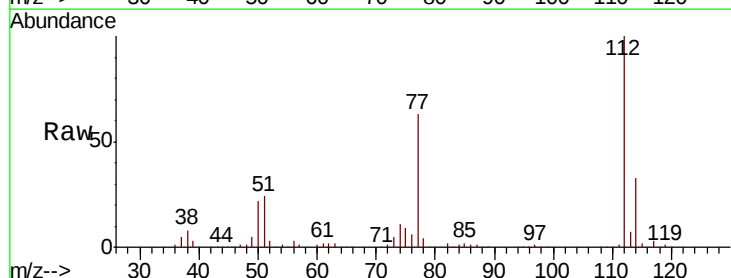
Instrument :
MSVOA_V
ClientSampleId :
VSTD05076

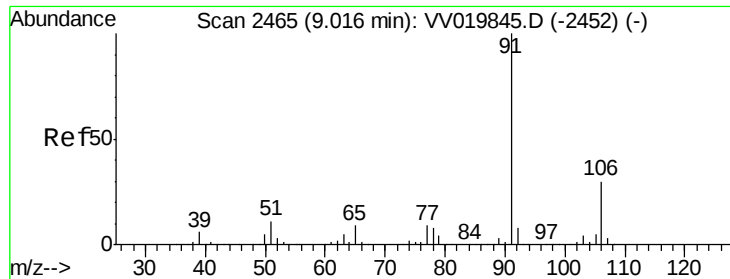
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.9	66.2	123.0
188	3.3	2.6	3.8



#51
Chlorobenzene
Concen: 49.670 ug/L
RT: 8.88 min Scan# 2424
Delta R.T. -0.00 min
Lab File: VV019885.D
Acq: 05 Jan 2021 09:39

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.9	22.2	41.2
77	63.4	49.0	73.6





#52

Ethylbenzene

Concen: 50.497 ug/L

RT: 9.02 min Scan# 2465

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

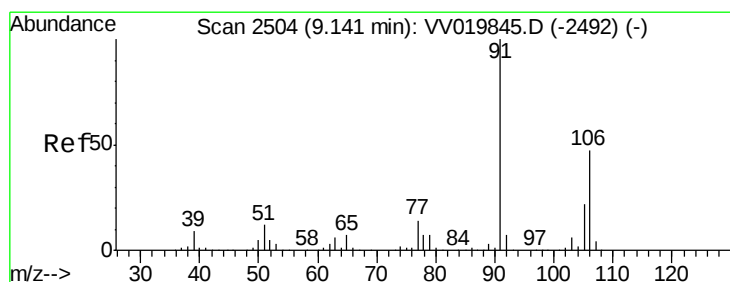
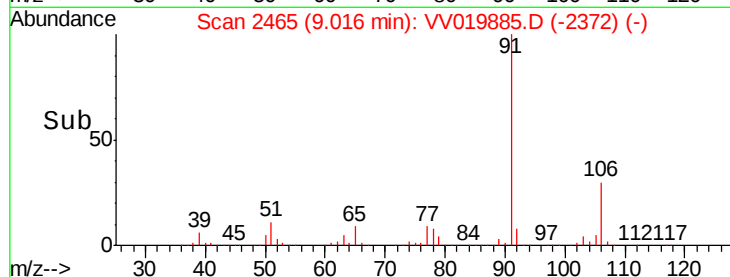
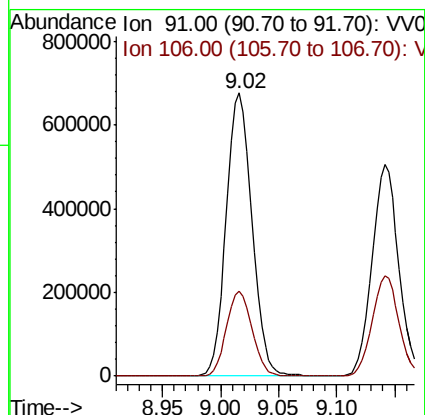
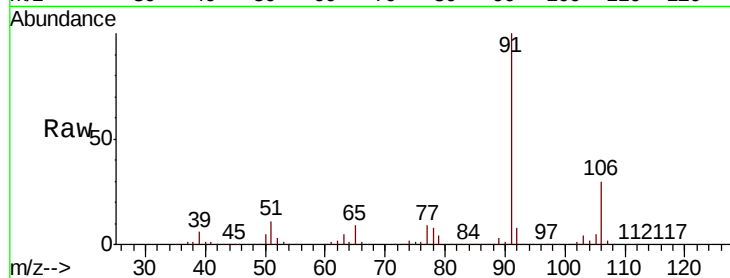
VSTD05076

Tot Ion: 91 Resp: 1038782

Ion Ratio Lower Upper

91 100

106 29.9 21.0 39.0



#53

m,p-Xylene

Concen: 51.003 ug/L

RT: 9.14 min Scan# 2504

Delta R.T. 0.00 min

Lab File: VV019885.D

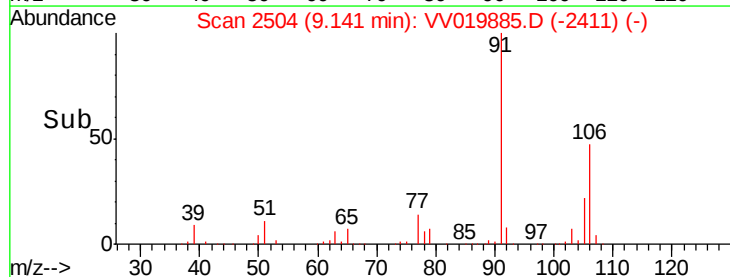
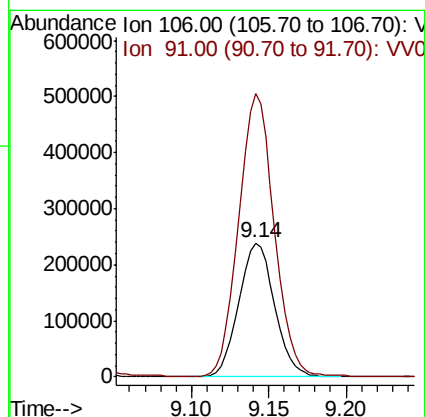
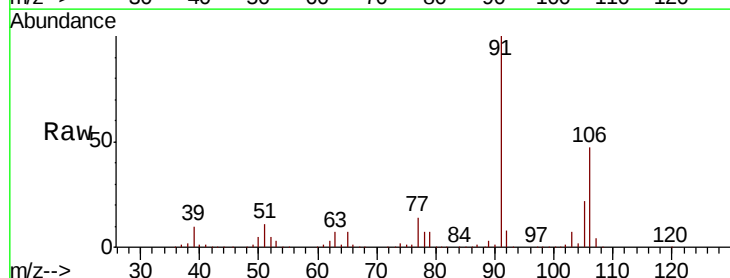
Acq: 05 Jan 2021 09:39

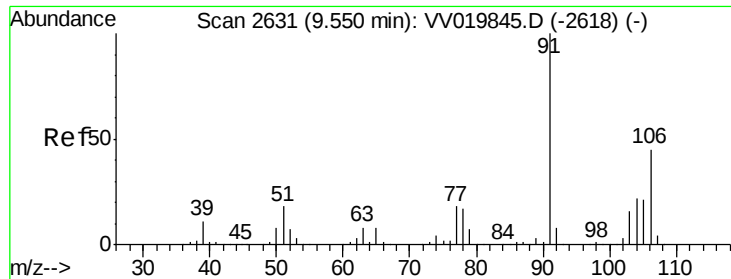
Tgt Ion: 106 Resp: 382151

Ion Ratio Lower Upper

106 100

91 210.9 148.1 275.0





#54

o-xylene

Concen: 51.131 ug/L

RT: 9.55 min Scan# 2630

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

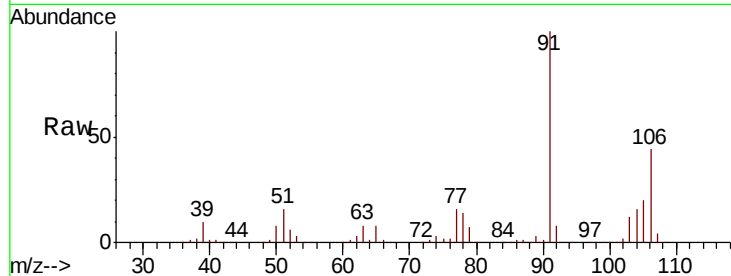
VSTD05076

Tot Ion:106 Resp: 374555

Ion Ratio Lower Upper

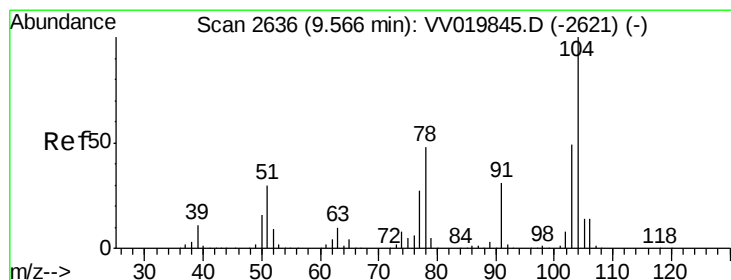
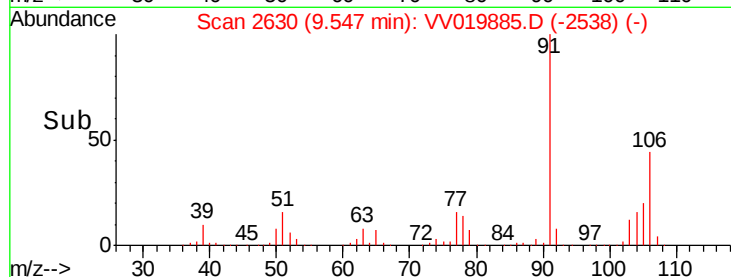
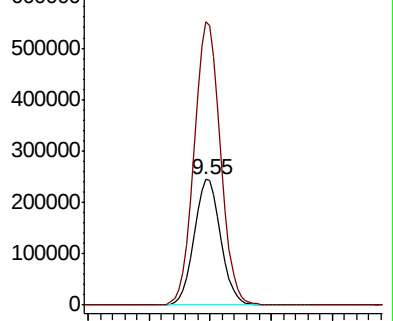
106 100

91 225.6 156.4 290.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 51.771 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV019885.D

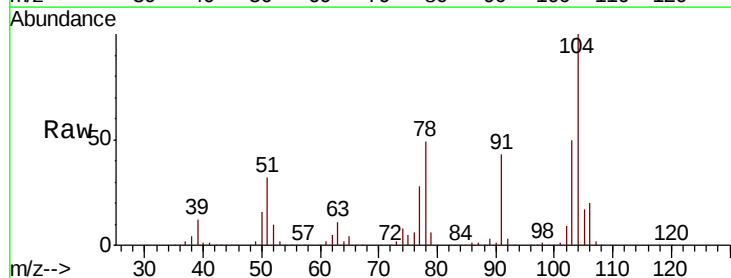
Acq: 05 Jan 2021 09:39

Tgt Ion:104 Resp: 659115

Ion Ratio Lower Upper

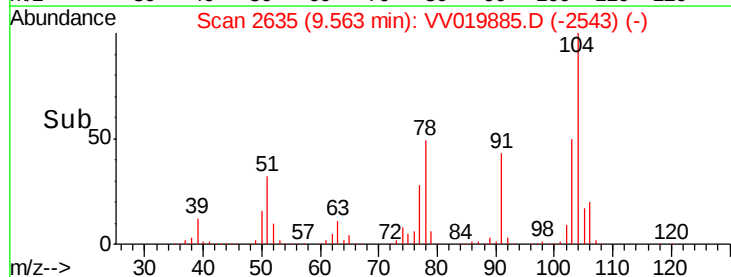
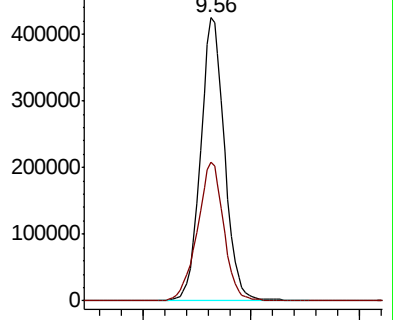
104 100

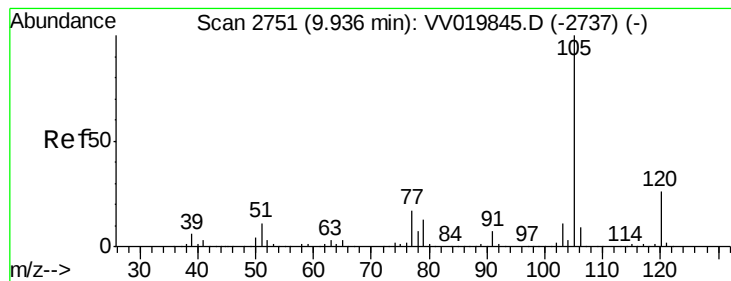
78 49.2 33.7 62.5



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.640 ug/L

RT: 9.94 min Scan# 2751

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

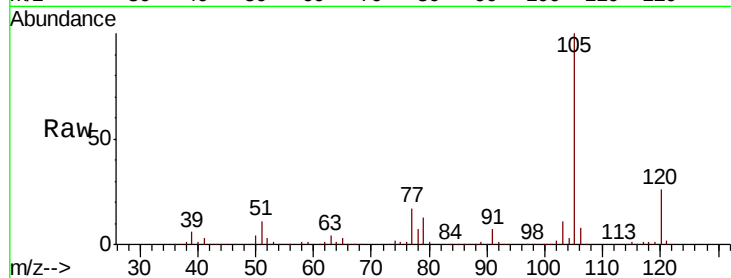
Tot Ion:105 Resp: 1013093

Ion Ratio Lower Upper

105 100

120 25.5 20.5 30.7

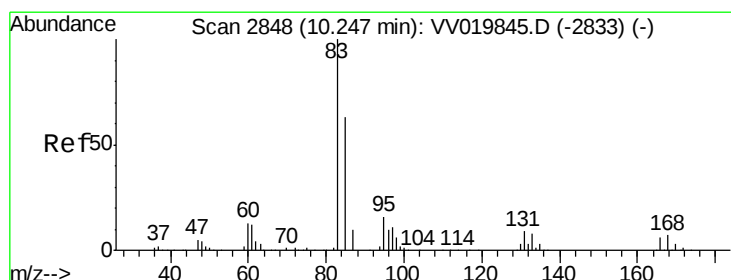
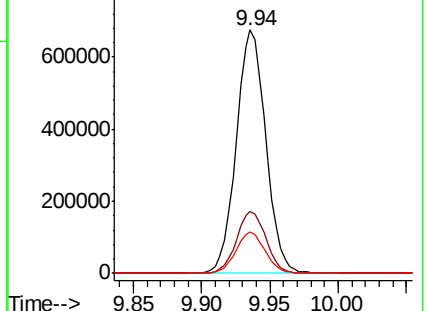
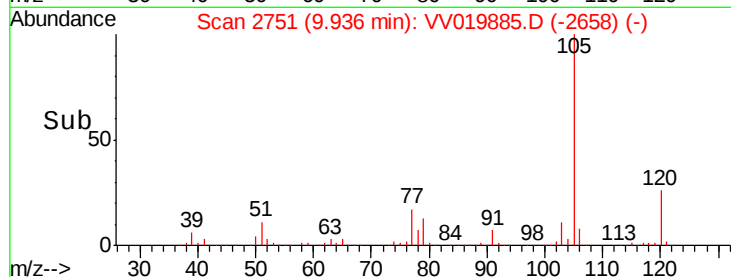
77 16.7 13.6 20.4



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: 49.192 ug/L

RT: 10.25 min Scan# 2848

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

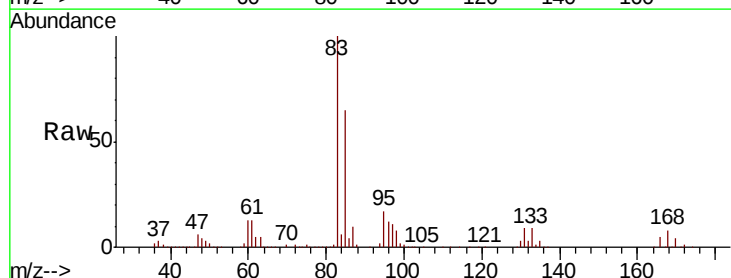
Tgt Ion: 83 Resp: 343482

Ion Ratio Lower Upper

83 100

85 64.6 44.3 82.3

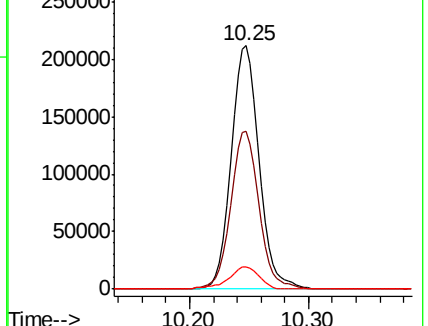
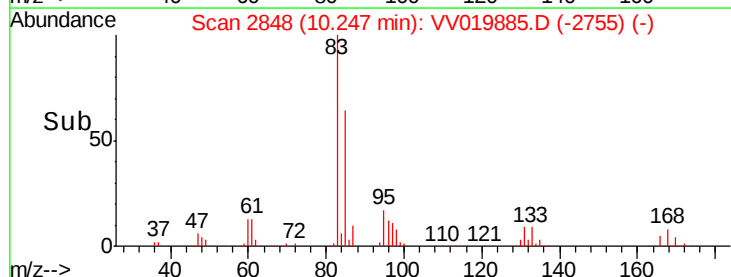
131 9.4 7.3 10.9

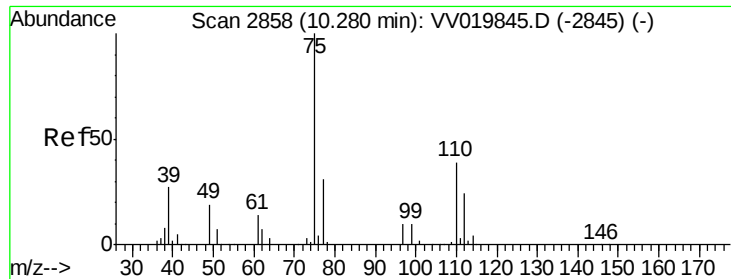


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 48.949 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

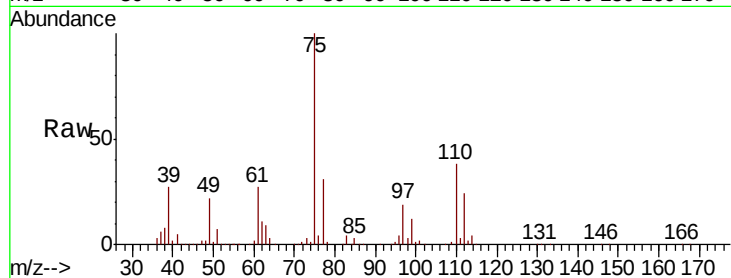
VSTD05076

Tot Ion: 75 Resp: 298237

Ion Ratio Lower Upper

75 100

77 31.5 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV019845.D (-2845) (-)

Ion 77.00 (76.70 to 77.70): VV019845.D (-2845) (-)

10.28

200000

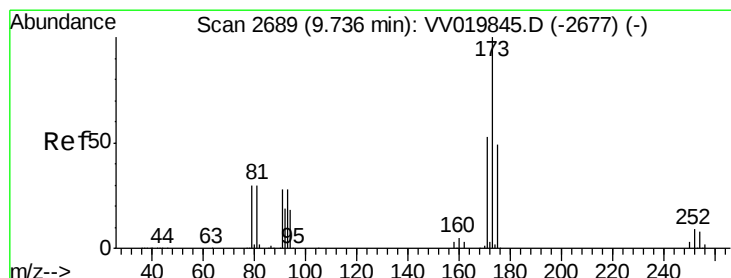
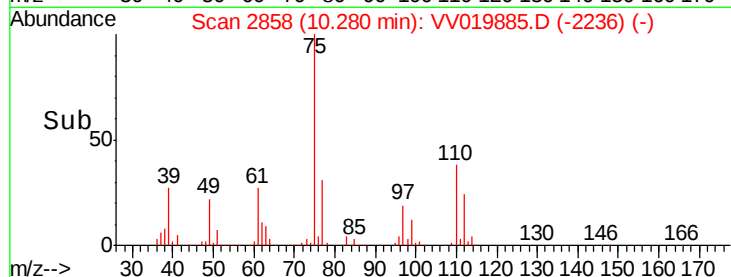
150000

100000

50000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 51.169 ug/L

RT: 9.74 min Scan# 2689

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

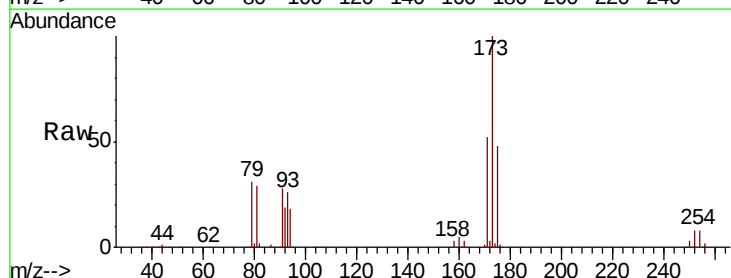
Tgt Ion: 173 Resp: 153611

Ion Ratio Lower Upper

173 100

175 48.1 38.6 57.8

254 7.6 6.5 9.7



Abundance Ion 173.00 (172.70 to 173.70): VV019845.D (-2677) (-)

Ion 175.00 (174.70 to 175.70): VV019845.D (-2677) (-)

Ion 254.00 (253.70 to 254.70): VV019845.D (-2677) (-)

9.74

120000

100000

80000

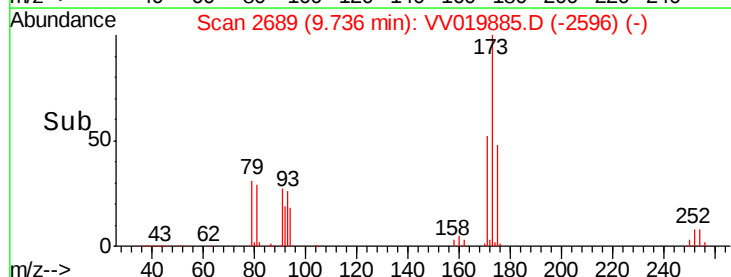
60000

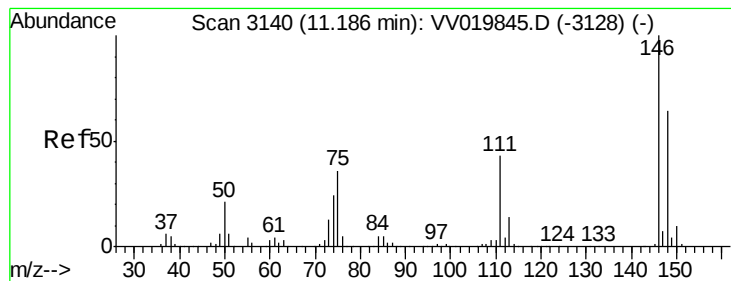
40000

20000

0

Time--> 9.65 9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 50.144 ug/L

RT: 11.19 min Scan# 3140

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

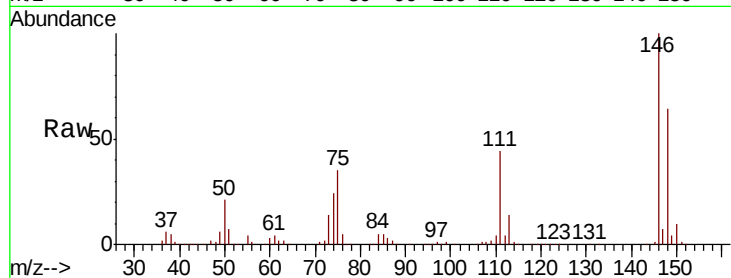
Tot Ion:146 Resp: 445574

Ion Ratio Lower Upper

146 100

111 43.5 30.2 56.2

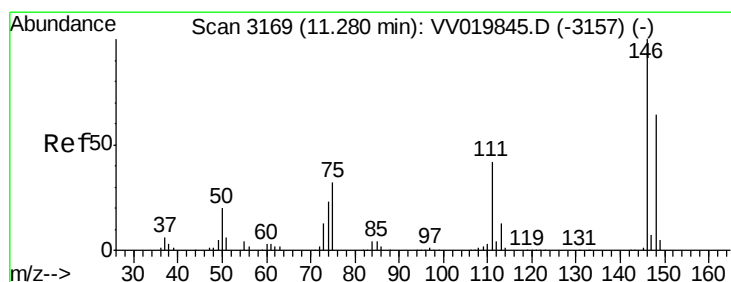
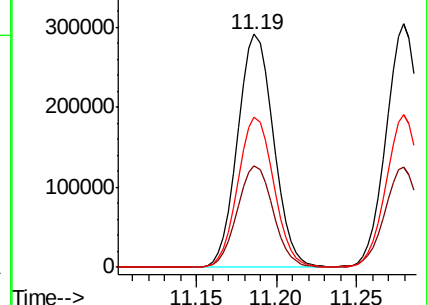
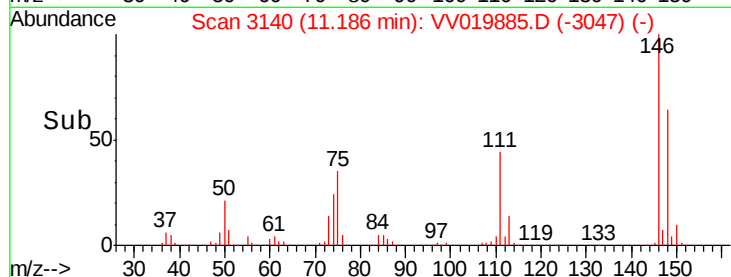
148 64.5 45.0 83.6



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: 50.036 ug/L

RT: 11.28 min Scan# 3169

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

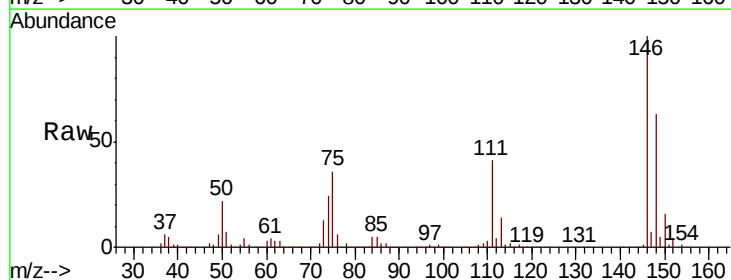
Tgt Ion:146 Resp: 457285

Ion Ratio Lower Upper

146 100

111 41.2 29.4 54.6

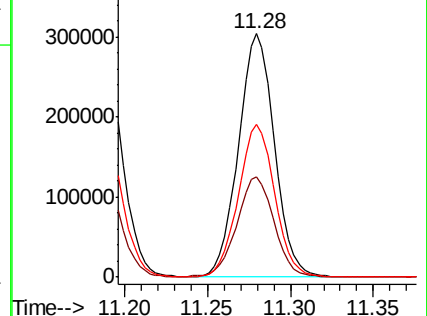
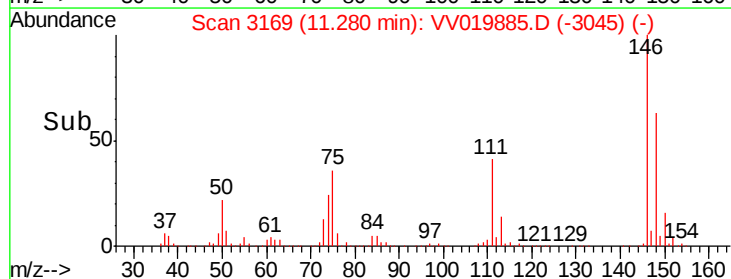
148 62.6 44.7 83.1

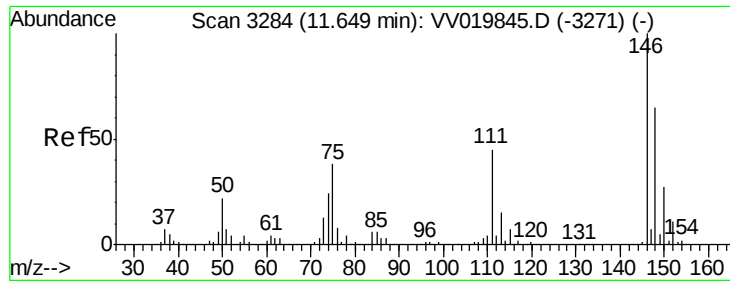


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.253 ug/L

RT: 11.65 min Scan# 3284

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

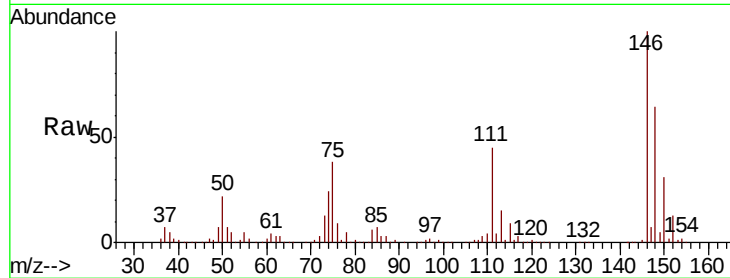
Tot Ion:146 Resp: 446754

Ion Ratio Lower Upper

146 100

111 44.8 36.3 54.5

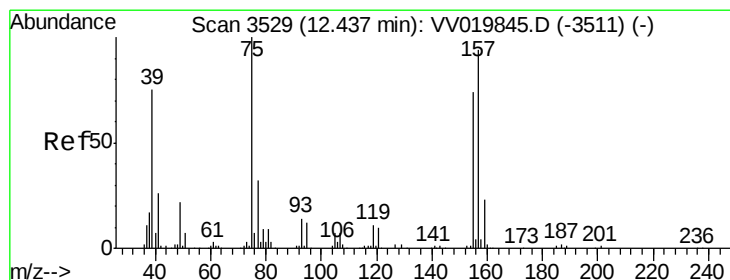
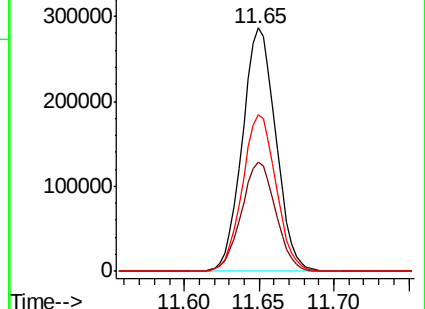
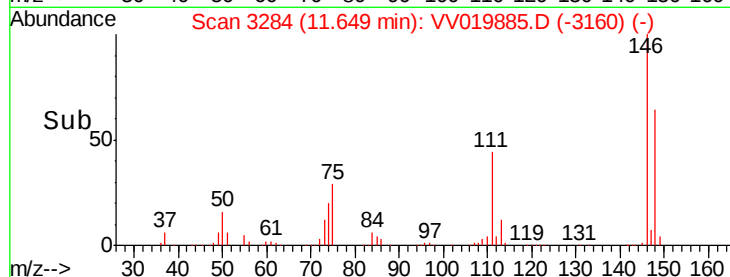
148 64.4 51.7 77.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.073 ug/L

RT: 12.43 min Scan# 3528

Delta R.T. -0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

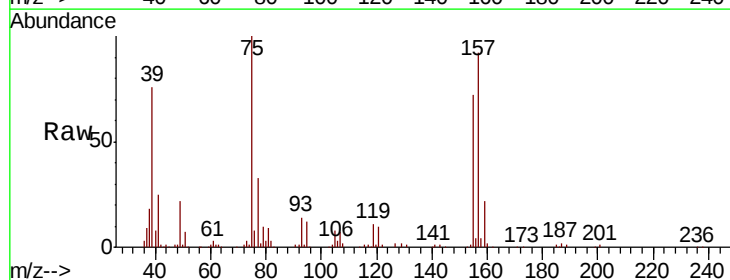
Tgt Ion: 75 Resp: 86456

Ion Ratio Lower Upper

75 100

155 72.3 59.1 88.7

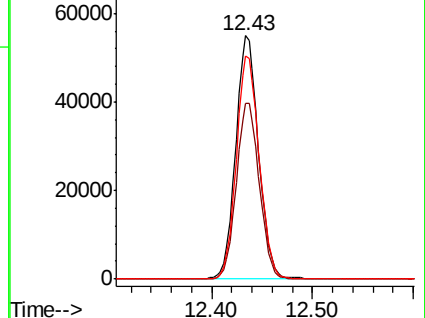
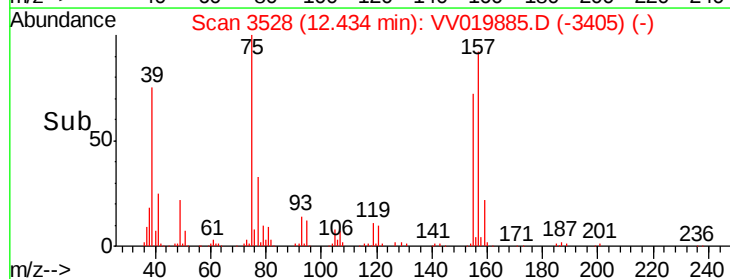
157 91.8 75.4 113.0

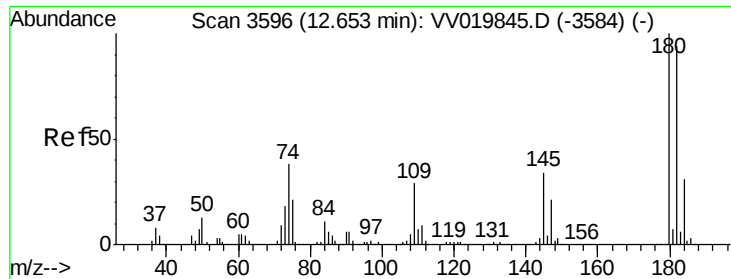


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

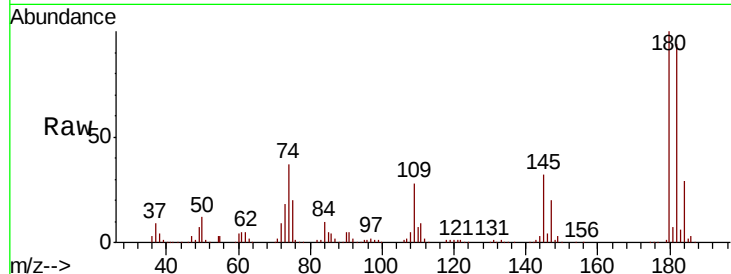




#67
 1,3,5-Trichlorobenzene
 Concen: 51.876 ug/L
 RT: 12.65 min Scan# 3596
 Delta R.T. 0.00 min
 Lab File: VV019885.D
 Acq: 05 Jan 2021 09:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05076

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.0	112.6
184	29.4	24.0	36.0
145	32.1	25.8	38.6



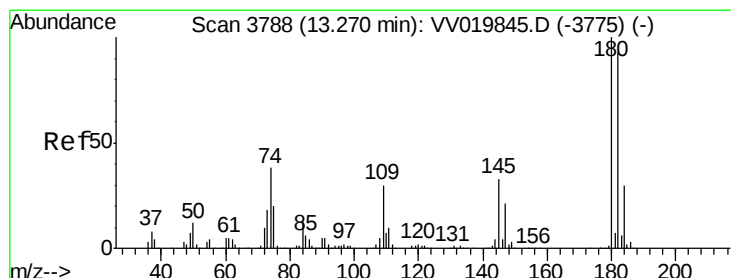
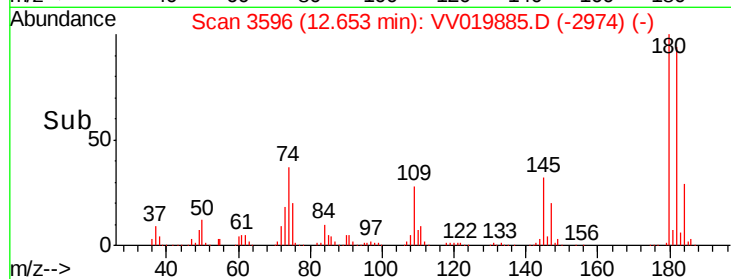
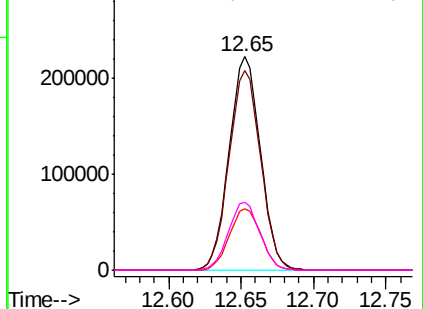
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

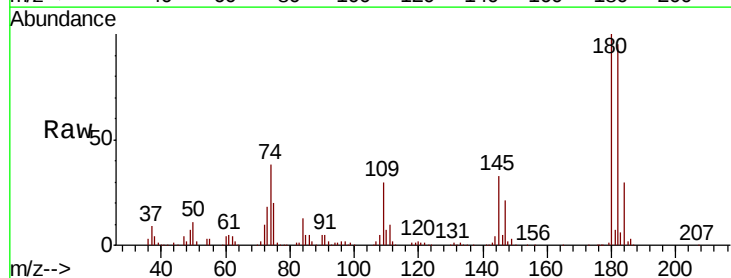
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.317 ug/L
 RT: 13.27 min Scan# 3788
 Delta R.T. 0.00 min
 Lab File: VV019885.D
 Acq: 05 Jan 2021 09:39

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.9	75.1	112.7
145	33.4	26.8	40.2

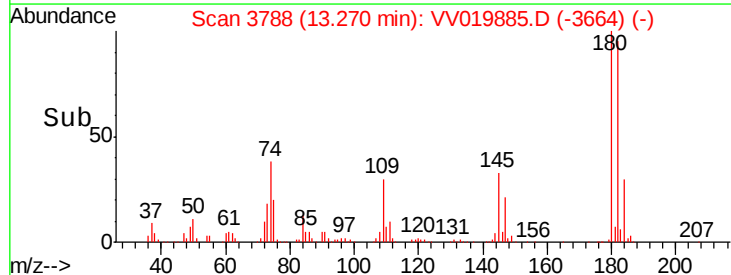
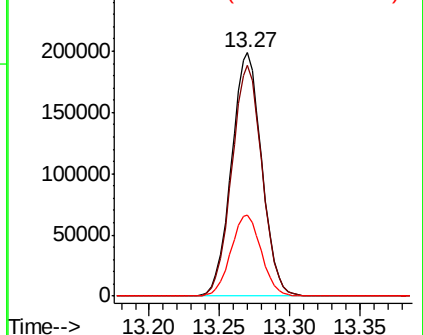


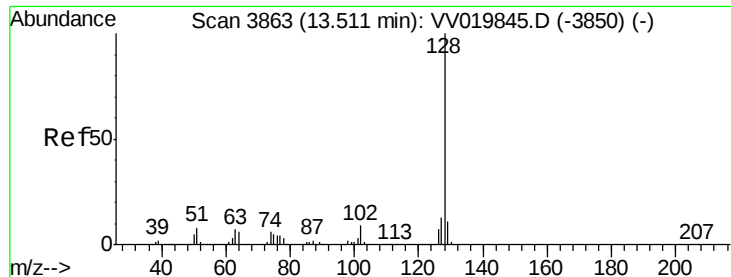
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 53.381 ug/L

RT: 13.51 min Scan# 3863

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD05076

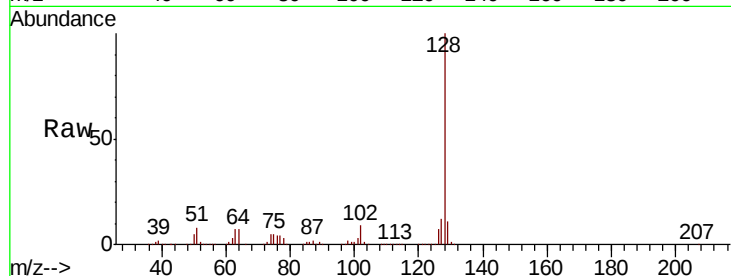
Tot Ion:128 Resp: 958434

Ion Ratio Lower Upper

128 100

127 12.7 10.3 15.5

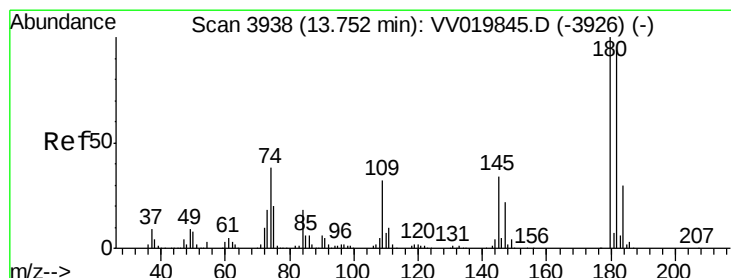
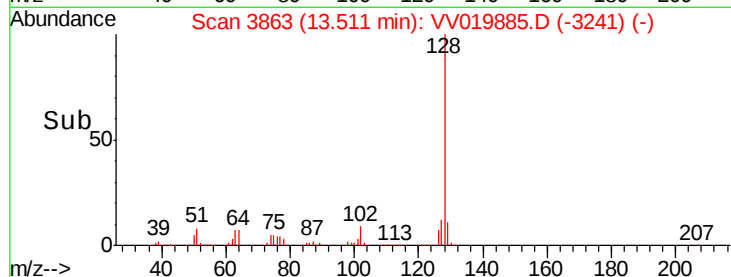
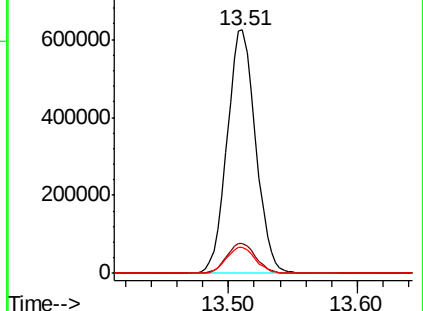
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.268 ug/L

RT: 13.75 min Scan# 3938

Delta R.T. 0.00 min

Lab File: VV019885.D

Acq: 05 Jan 2021 09:39

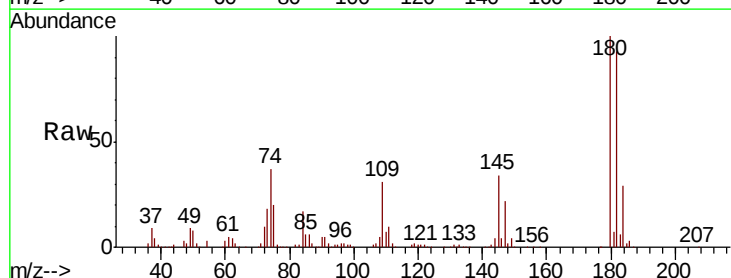
Tgt Ion:180 Resp: 295523

Ion Ratio Lower Upper

180 100

182 93.3 76.1 114.1

145 34.8 27.9 41.9



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

