

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017744.D
 Acq On : 30 Jul 2020 11:44
 Operator : SY/MD
 Sample : VSTD20065
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Quant Time: Jul 31 02:01:55 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM073020WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 01:58:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	349901	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	342347	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	208275	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	338105	165.37	ug/L	0.00
7) Chloroethane-d5	1.58	69	287128	194.89	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	830890	194.94	ug/L	0.00
21) 2-Butanone-d5	3.91	46	582468	372.17	ug/L	0.00
24) Chloroform-d	4.37	84	965409	197.97	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	707656	208.85	ug/L	0.00
32) Benzene-d6	5.07	84	1659951	184.61	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	471966	177.32	ug/L	0.00
41) Toluene-d8	7.34	98	1660800	194.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	319993	203.66	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	457280	382.93	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	719309	189.83	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	812457	190.16	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	656684	182.332	ug/L	100
3) Chloromethane	1.25	50	441771	165.618	ug/L	99
5) Vinyl chloride	1.32	62	476978	183.939	ug/L	100
6) Bromomethane	1.53	94	303713	188.112	ug/L	100
8) Chloroethane	1.60	64	279517	202.026	ug/L	100
9) Trichlorofluoromethane	1.76	101	885484	198.505	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	429218	197.696	ug/L	98
12) 1,1-Dichloroethene	2.13	96	403403	200.626	ug/L	97
13) Acetone	2.19	43	575743	381.099	ug/L	99
14) Carbon disulfide	2.31	76	1277628	179.911	ug/L	99
15) Methyl Acetate	2.44	43	421406	174.608	ug/L	99
16) Methylene chloride	2.52	84	471873	181.030	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	458236	185.450	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	1611604	194.486	ug/L	100
19) 1,1-Dichloroethane	3.21	63	823675	186.200	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	507739	191.628	ug/L	95
22) 2-Butanone	3.99	43	666357	374.643	ug/L	95
23) Bromochloromethane	4.27	128	283053	192.596	ug/L	99
25) Chloroform	4.40	83	954952	197.472	ug/L	100
27) 1,2-Dichloroethane	5.15	62	863175	206.322	ug/L	99
29) Cyclohexane	4.70	56	685027	171.130	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	956161	201.468	ug/L	99
31) Carbon tetrachloride	4.85	117	877111	203.461	ug/L	100
33) Benzene	5.12	78	1817555	183.045	ug/L	100
34) Trichloroethene	5.94	95	521072	189.369	ug/L	99
35) Methylcyclohexane	6.15	83	778484	183.502	ug/L	99
37) 1,2-Dichloropropane	6.20	63	434282	173.896	ug/L	99
38) Bromodichloromethane	6.53	83	756365	199.377	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	838113	198.195	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	1200226	351.261	ug/L	100

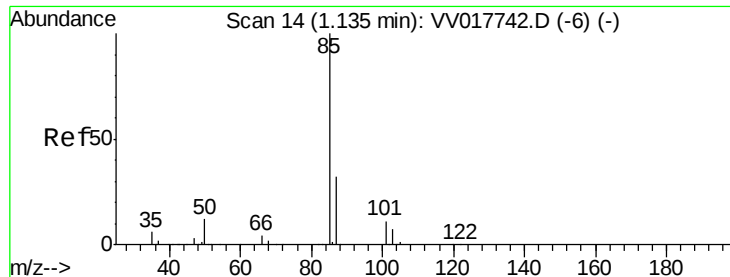
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
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 Quant Title : VOC Analysis
 QLast Update : Fri Jul 31 01:58:34 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	2074774	189.367	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	876920	205.098	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	473986	185.004	ug/L	98
46) Tetrachloroethene	8.00	164	456151	194.181	ug/L	100
48) 2-Hexanone	8.16	43	997874	363.665	ug/L	99
49) Dibromochloromethane	8.27	129	653208	205.503	ug/L	98
50) 1,2-Dibromoethane	8.37	107	529078	190.196	ug/L	99
51) Chlorobenzene	8.90	112	1405623	192.705	ug/L	100
52) Ethylbenzene	9.03	91	2439777	198.307	ug/L	100
53) m,p-Xylene	9.16	106	927886	197.073	ug/L	99
54) o-xylene	9.56	106	902422	197.372	ug/L	100
55) Styrene	9.58	104	1601802	205.386	ug/L	98
56) Isopropylbenzene	9.95	105	2519501	203.228	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	723780	182.739	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	628354	188.904	ug/L	98
61) Bromoform	9.75	173	522538	194.730	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	1297877	187.476	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	1314593	185.635	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	1298262	185.215	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	207833	183.578	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	1019758	185.734	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	925399	189.731	ug/L	100
69) Naphthalene	13.52	128	2553203	191.090	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	901134	186.196	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 182.332 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

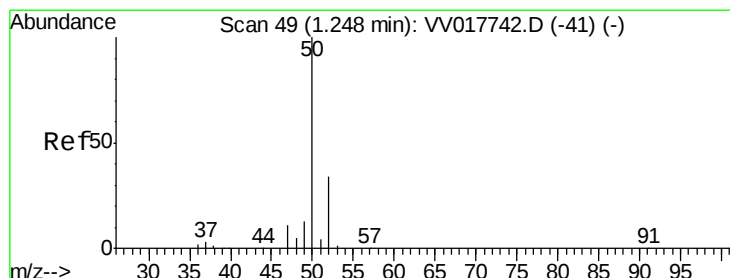
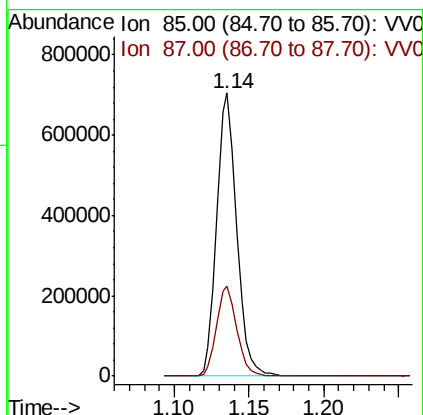
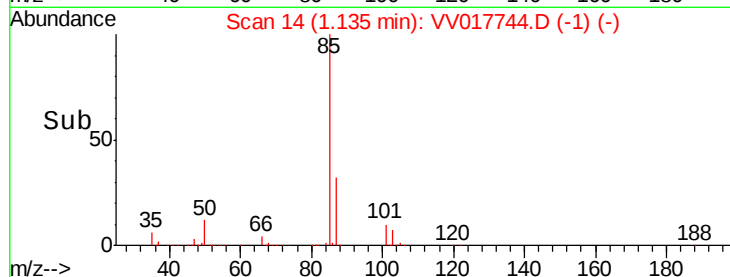
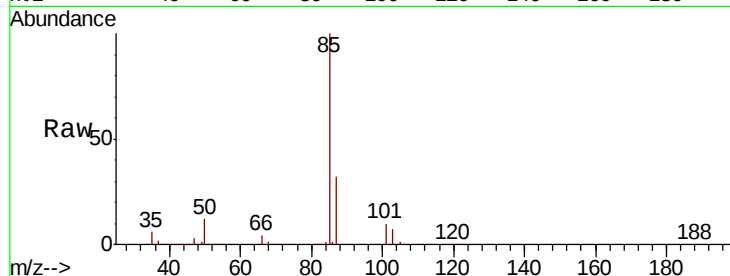
VSTD20065

Tot Ion: 85 Resp: 656684

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



#3

Chloromethane

Concen: 165.618 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017744.D

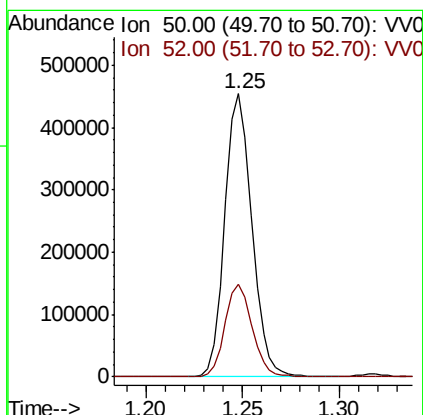
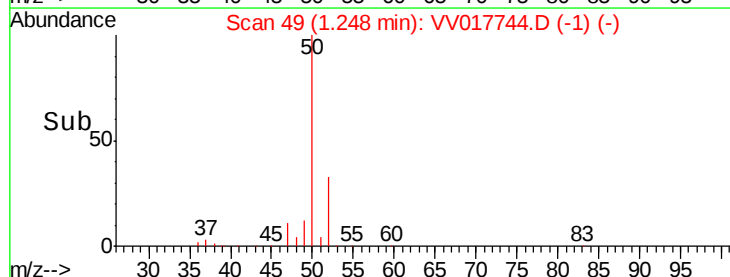
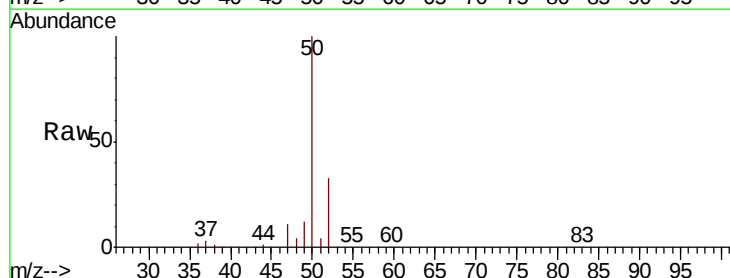
Acq: 30 Jul 2020 11:44

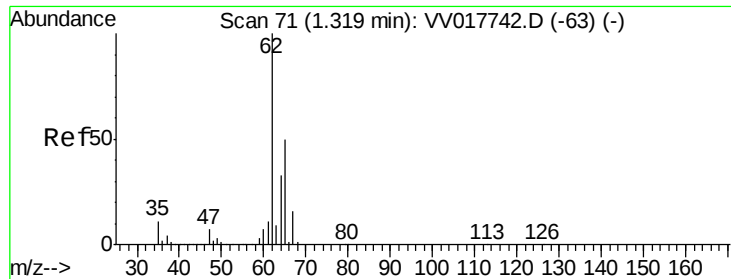
Tgt Ion: 50 Resp: 441771

Ion Ratio Lower Upper

50 100

52 32.8 23.6 43.8





#5

Vinyl chloride

Concen: 183.939 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

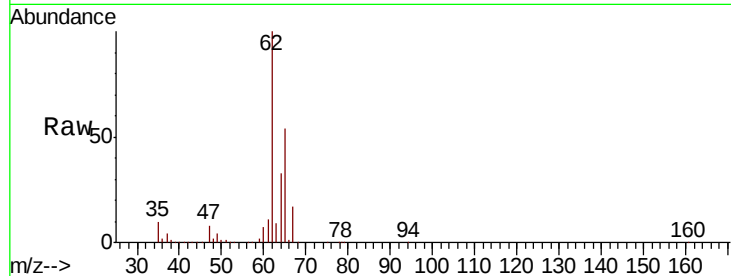
VSTD20065

Tot Ion: 62 Resp: 476978

Ion Ratio Lower Upper

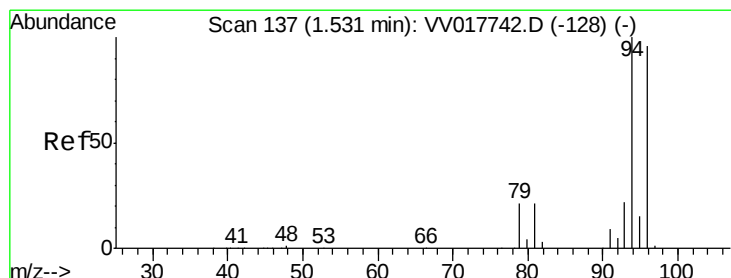
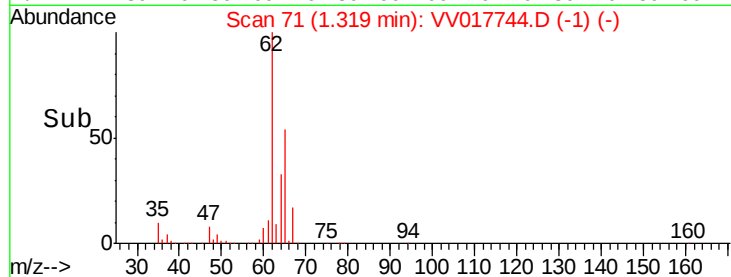
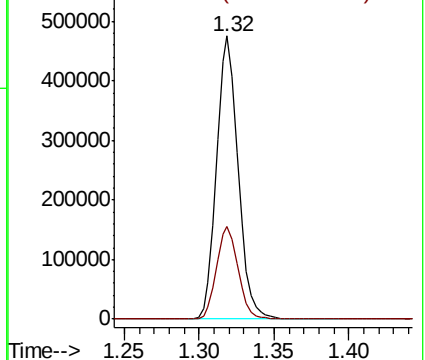
62 100

64 32.9 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV017742.D (-63) (-)

Ion 64.00 (63.70 to 64.70): VV017742.D (-63) (-)



#6

Bromomethane

Concen: 188.112 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017744.D

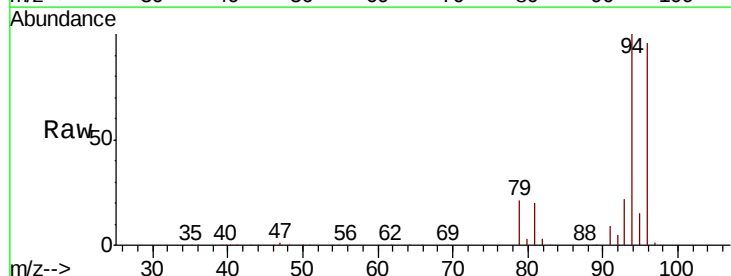
Acq: 30 Jul 2020 11:44

Tgt Ion: 94 Resp: 303713

Ion Ratio Lower Upper

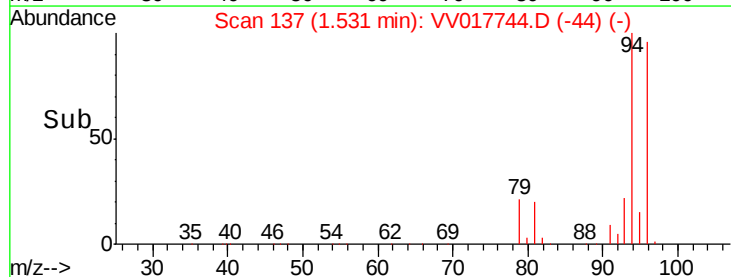
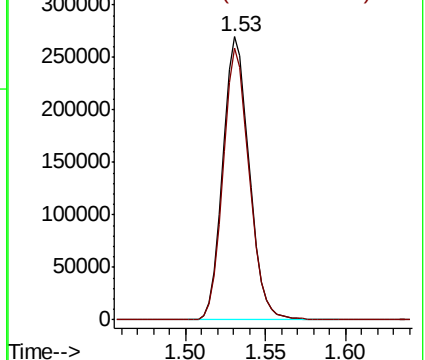
94 100

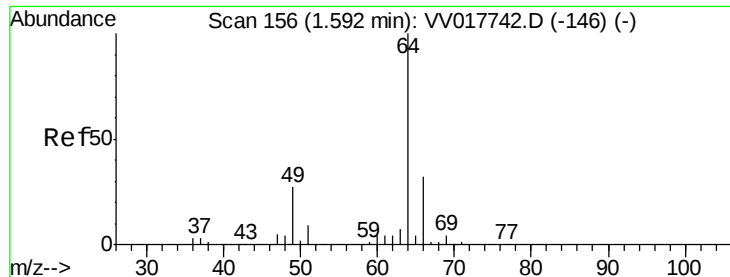
96 95.9 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV017744.D (-44) (-)

Ion 96.00 (95.70 to 96.70): VV017744.D (-44) (-)





#8

Chloroethane

Concen: 202.026 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampled :

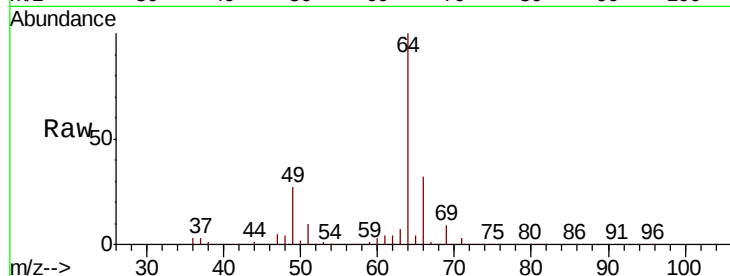
VSTD20065

Tot Ion: 64 Resp: 279517

Ion Ratio Lower Upper

64 100

66 32.0 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV017742.D (-146) (-)

Ion 66.00 (65.70 to 66.70): VV017742.D (-146) (-)

1.60

250000

200000

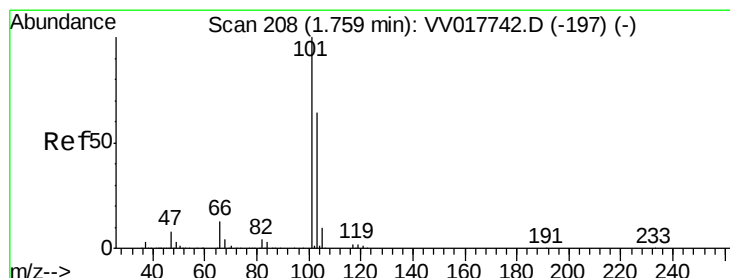
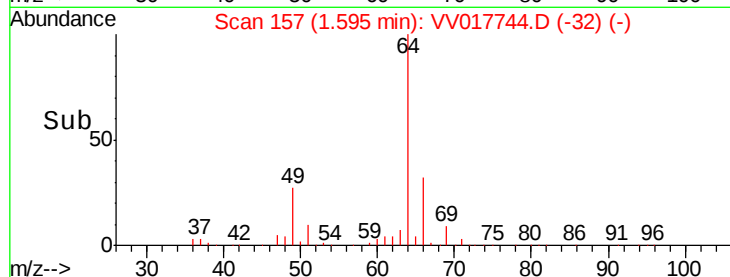
150000

100000

50000

0

Time-->



#9

Trichlorofluoromethane

Concen: 198.505 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV017744.D

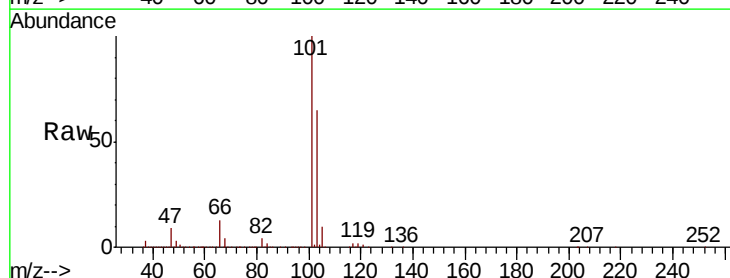
Acq: 30 Jul 2020 11:44

Tgt Ion: 101 Resp: 885484

Ion Ratio Lower Upper

101 100

103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV017742.D (-197) (-)

Ion 103.00 (102.70 to 103.70): VV017742.D (-197) (-)

1.76

800000

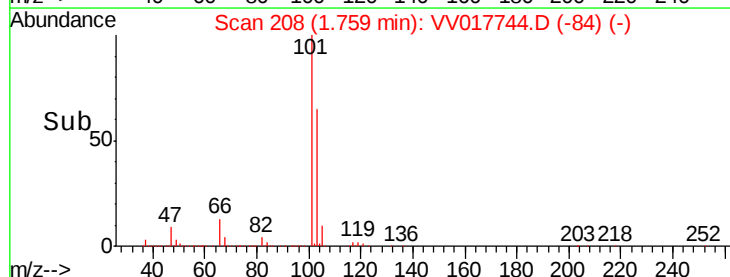
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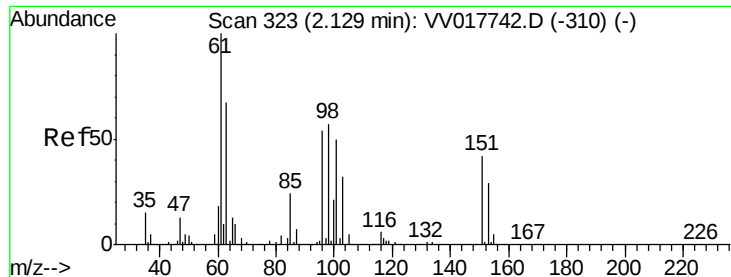
400000

200000

0

Time-->





#10

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

Concen: 197.696 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

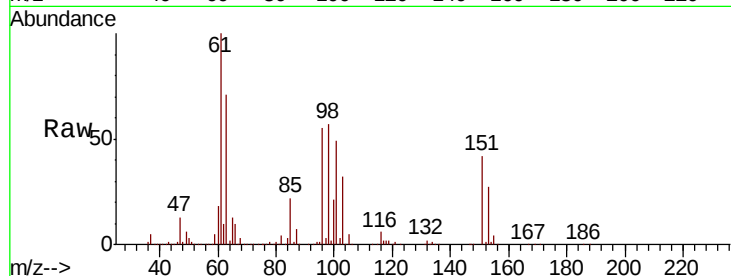
Tot Ion:101 Resp: 429218

Ion Ratio Lower Upper

101 100

85 44.3 37.2 55.8

151 83.9 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): VV017742.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV017742.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV017742.D (-310) (-)

2.13

300000

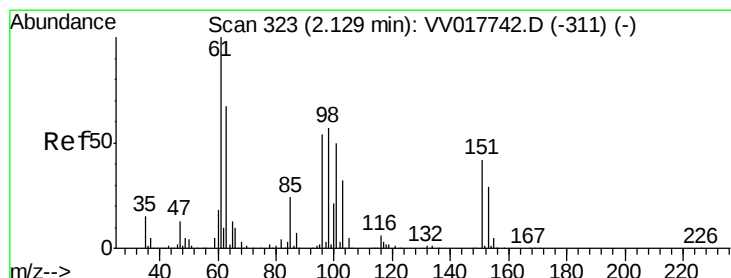
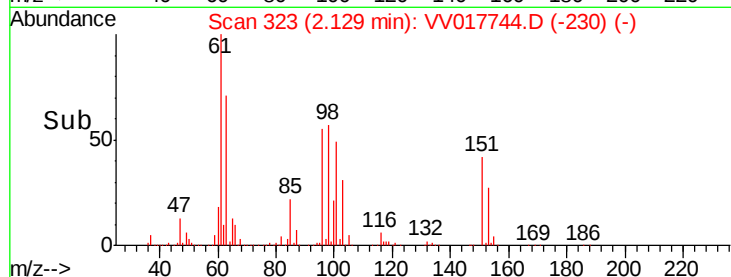
200000

100000

0

2.10 2.20

Time-->



#12

1,1-Dichloroethene

Concen: 200.626 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

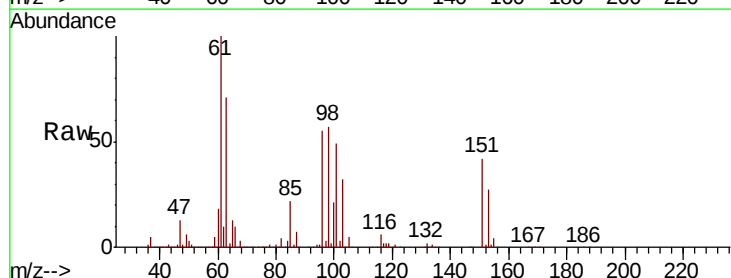
Tgt Ion: 96 Resp: 403403

Ion Ratio Lower Upper

96 100

61 182.7 131.0 243.2

63 129.2 88.5 164.3



Abundance Ion 96.00 (95.70 to 96.70): VV017744.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV017744.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV017744.D (-230) (-)

2.13

600000

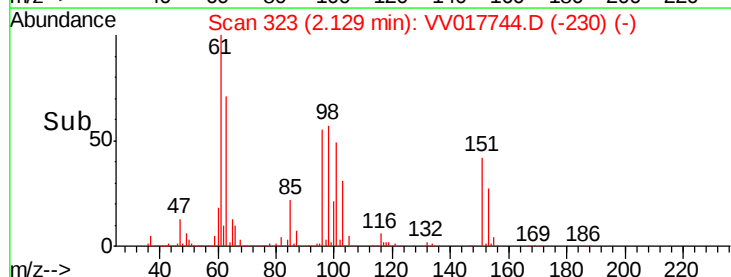
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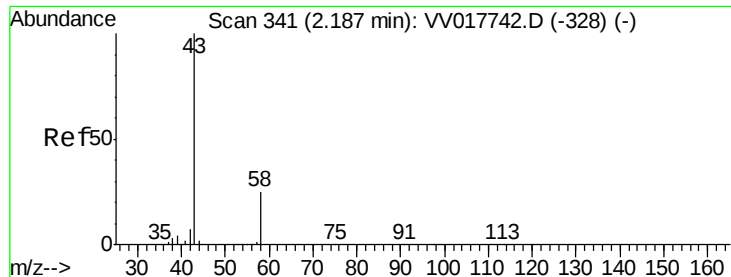
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2.05 2.10 2.15 2.20 2.25

Time-->





#13

Acetone

Concen: 381.099 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.01 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

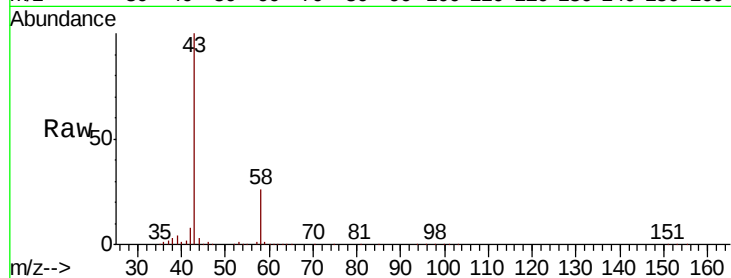
VSTD20065

Tot Ion: 43 Resp: 575743

Ion Ratio Lower Upper

43 100

58 26.6 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV017742.D (-328) (-)

Ion 58.00 (57.70 to 58.70): VV017742.D (-328) (-)

2.19

250000

200000

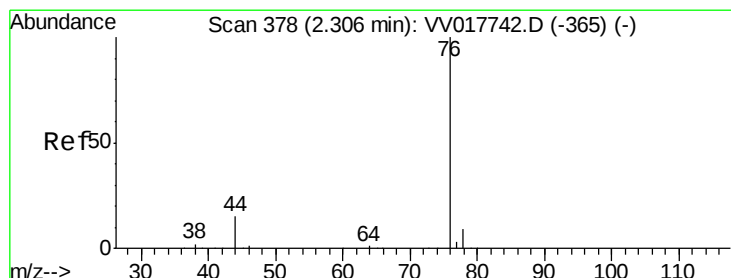
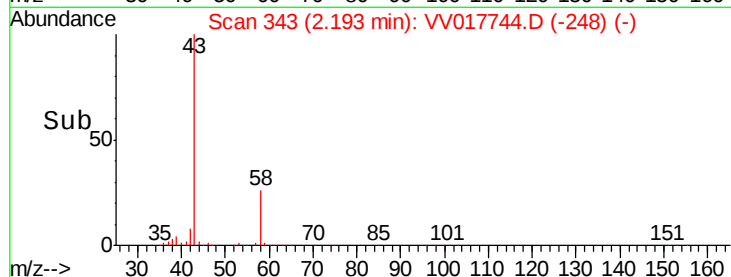
150000

100000

50000

0

Time-->



#14

Carbon disulfide

Concen: 179.911 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017744.D

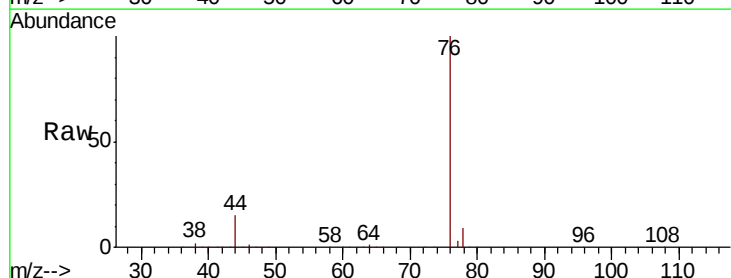
Acq: 30 Jul 2020 11:44

Tgt Ion: 76 Resp: 1277628

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017742.D (-365) (-)

Ion 78.00 (77.70 to 78.70): VV017742.D (-365) (-)

2.31

1000000

800000

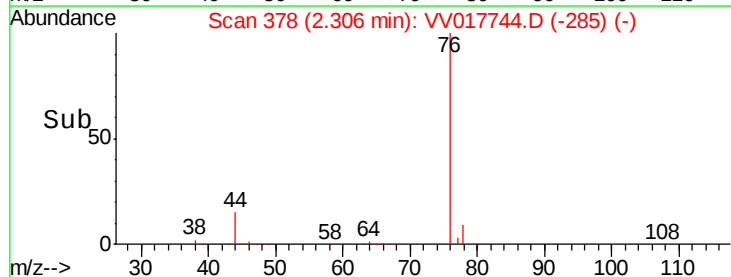
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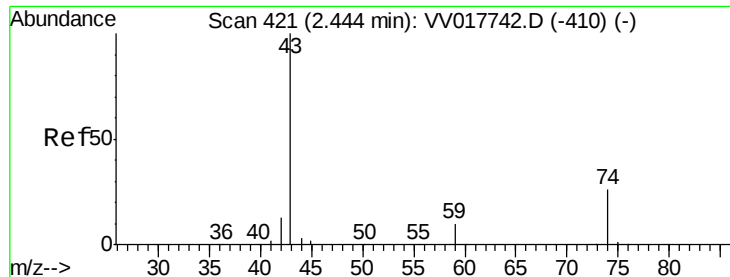
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200000

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Time-->

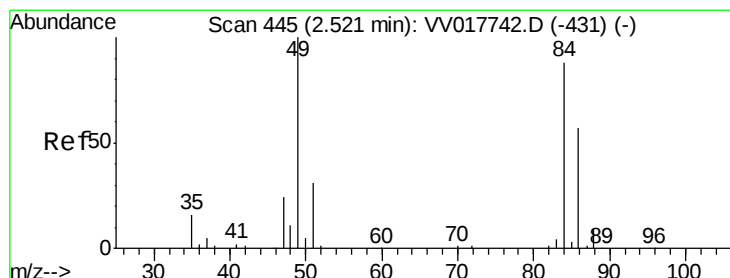
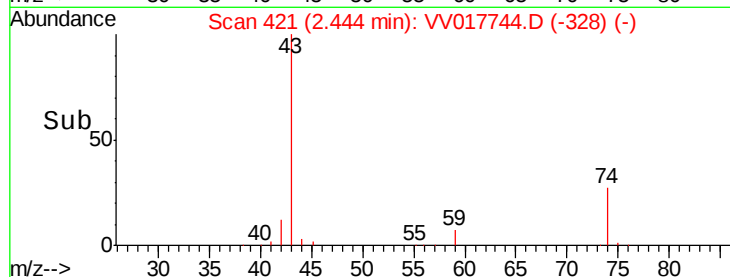
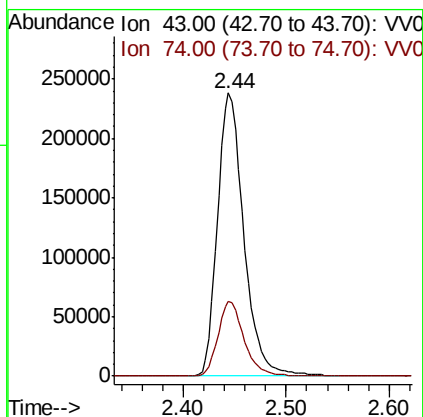
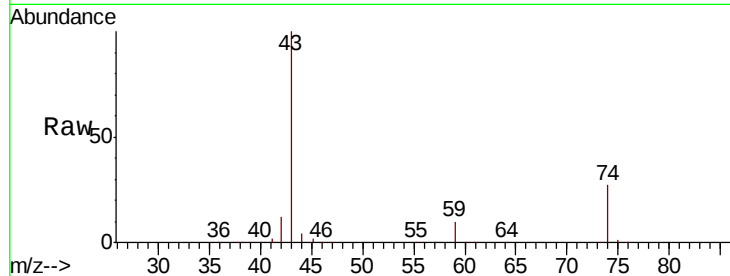




#15
Methvl Acetate
Concen: 174.608 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

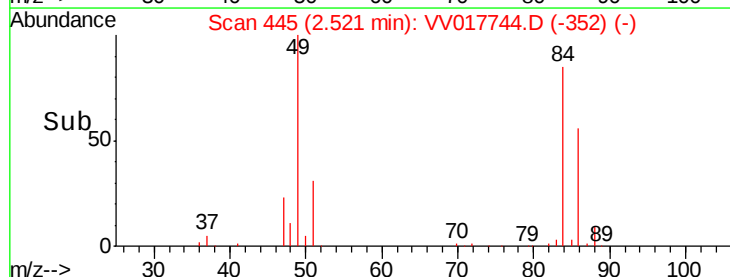
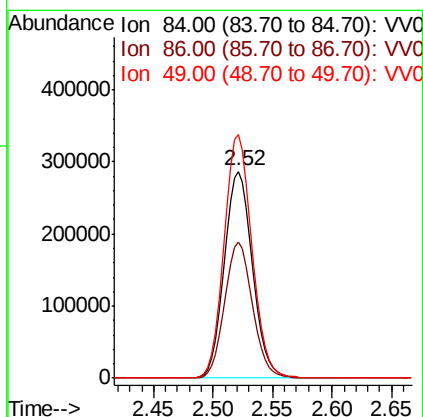
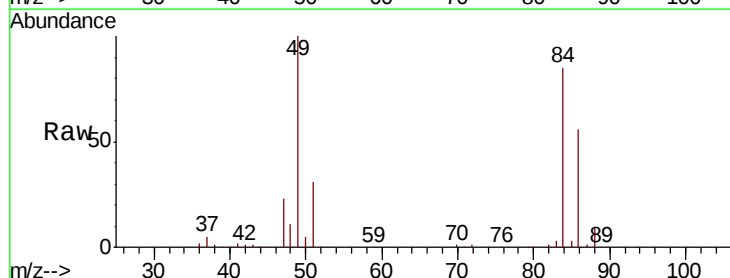
Instrument :
MSVOA_V
ClientSampled :
VSTD20065

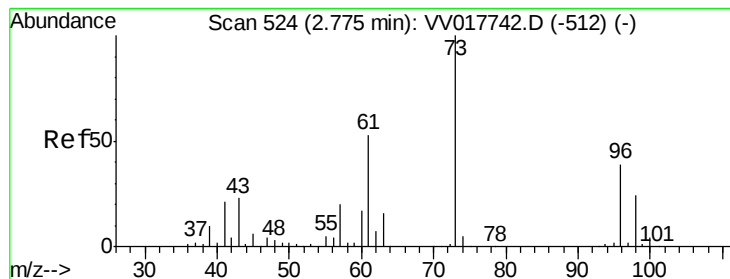
Tot Ion: 43 Resp: 421406
Ion Ratio Lower Upper
43 100
74 26.1 20.6 31.0



#16
Methylene chloride
Concen: 181.030 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

Tgt Ion: 84 Resp: 471873
Ion Ratio Lower Upper
84 100
86 66.0 45.4 84.4
49 117.7 79.2 147.2





#17

trans-1,2-Dichloroethene

Concen: 185.450 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

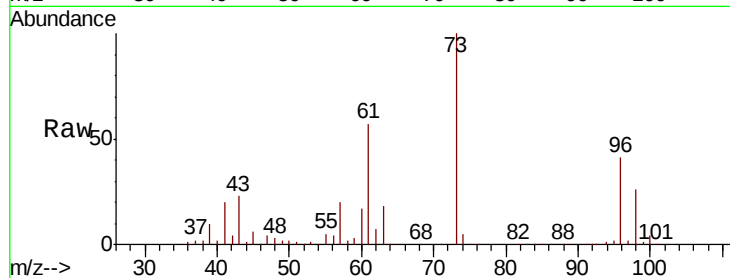
Tot Ion: 96 Resp: 458236

Ion Ratio Lower Upper

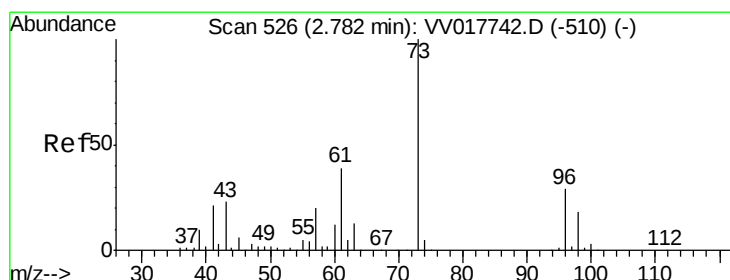
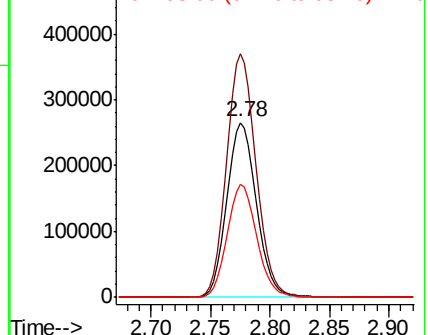
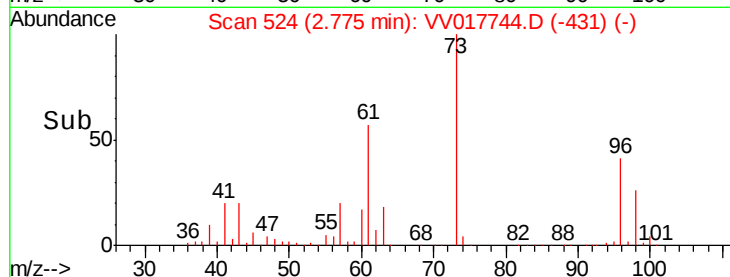
96 100

61 139.2 96.2 178.8

98 64.5 43.2 80.2



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: 194.486 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

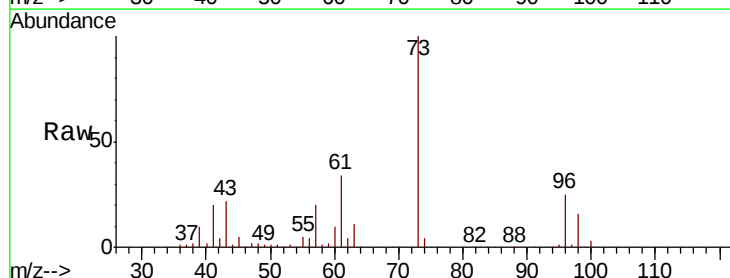
Tgt Ion: 73 Resp: 1611604

Ion Ratio Lower Upper

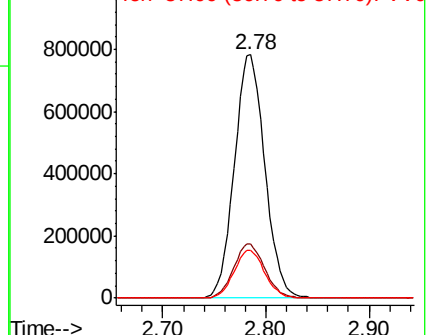
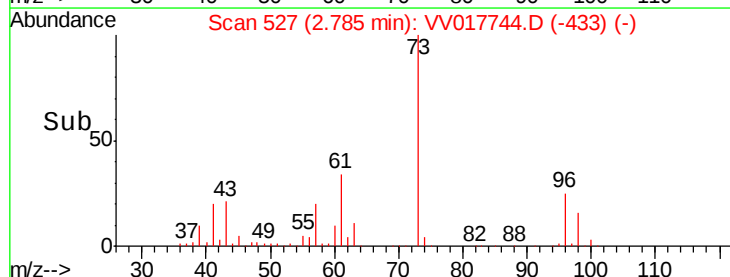
73 100

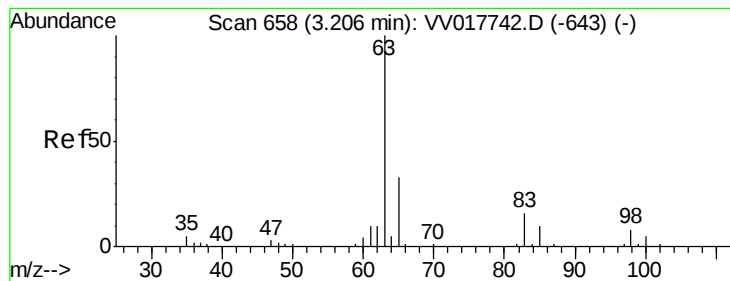
43 22.6 18.1 27.1

57 19.7 16.0 24.0



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: 186.200 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

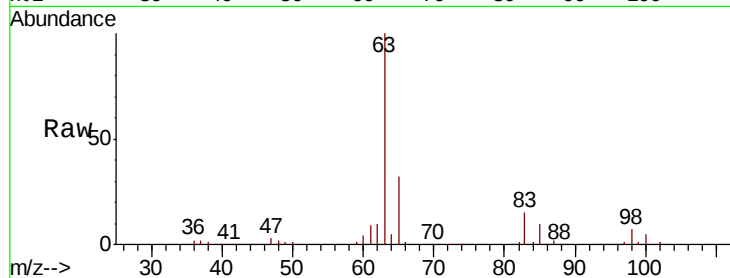
Tot Ion: 63 Resp: 823675

Ion Ratio Lower Upper

63 100

65 31.9 22.8 42.4

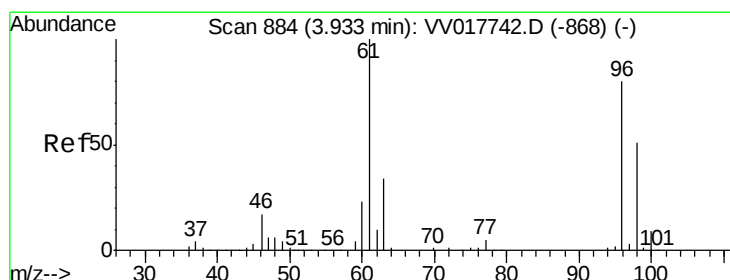
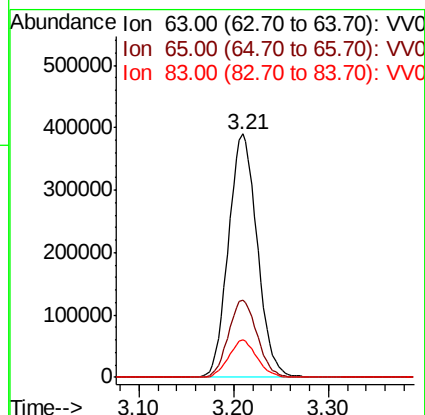
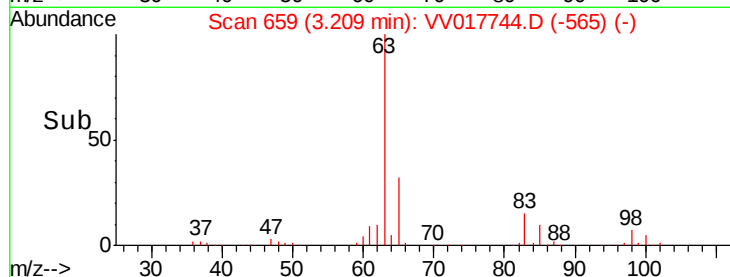
83 15.3 11.0 20.4



Abundance Ion 63.00 (62.70 to 63.70): VV017744.D (-643) (-)

Ion 65.00 (64.70 to 65.70): VV017744.D (-643) (-)

Ion 83.00 (82.70 to 83.70): VV017744.D (-643) (-)



#20

cis-1,2-Dichloroethene

Concen: 191.628 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

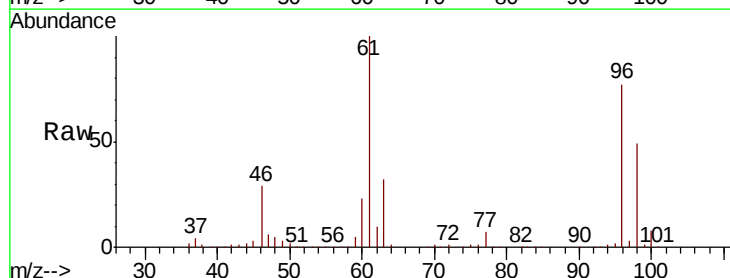
Tgt Ion: 96 Resp: 507739

Ion Ratio Lower Upper

96 100

61 130.6 87.3 162.1

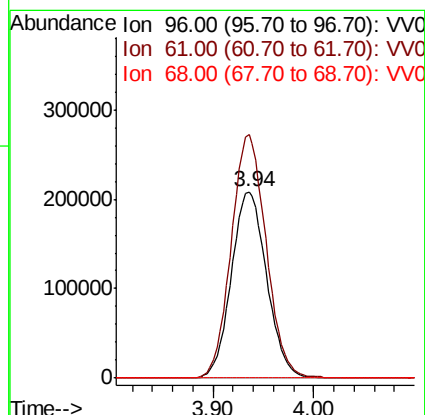
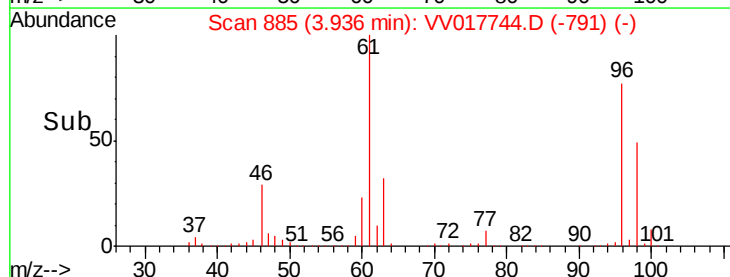
68 0.0 0.0 0.0

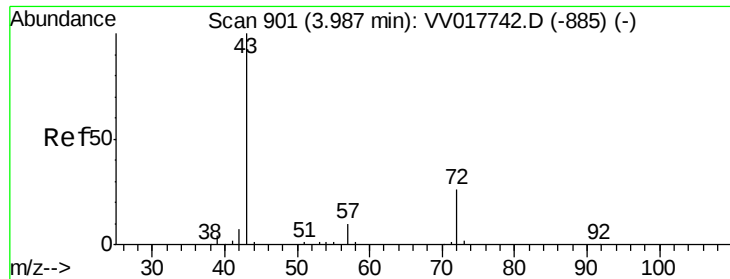


Abundance Ion 96.00 (95.70 to 96.70): VV017744.D (-791) (-)

Ion 61.00 (60.70 to 61.70): VV017744.D (-791) (-)

Ion 68.00 (67.70 to 68.70): VV017744.D (-791) (-)





#22

2-Butanone

Concen: 374.643 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

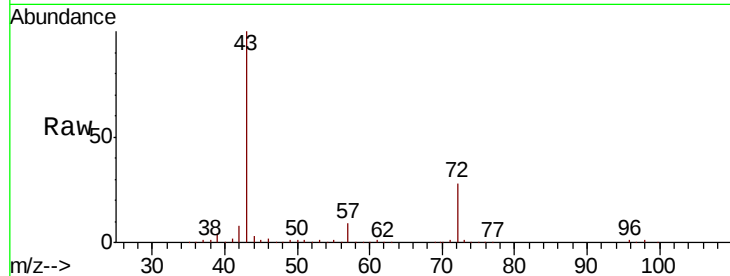
VSTD20065

Tot Ion: 43 Resp: 666357

Ion Ratio Lower Upper

43 100

72 28.5 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017744.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV017744.D (-885) (-)

3.99

250000

200000

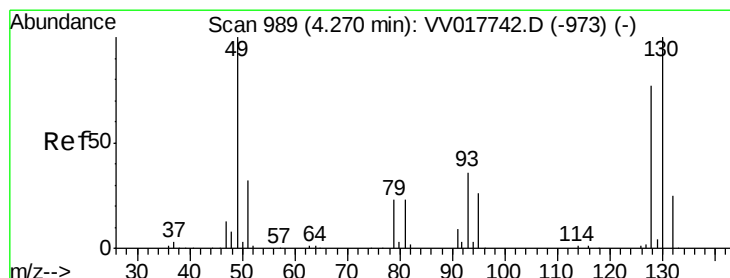
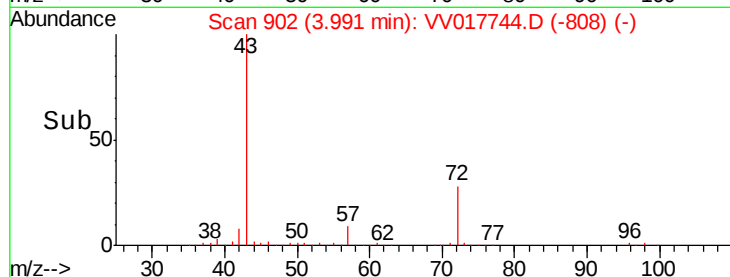
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 192.596 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Tgt Ion:128 Resp: 283053

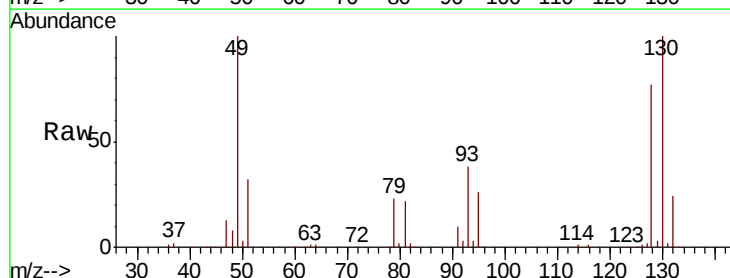
Ion Ratio Lower Upper

128 100

49 130.1 90.4 168.0

130 130.5 90.5 168.1

51 41.7 32.7 49.1



Abundance Ion 128.00 (127.70 to 128.70): VV017744.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV017744.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV017744.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV017744.D (-896) (-)

200000

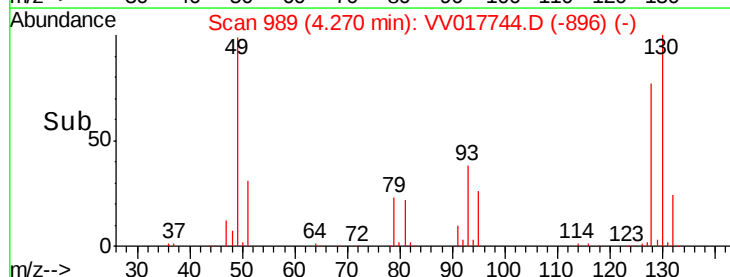
150000

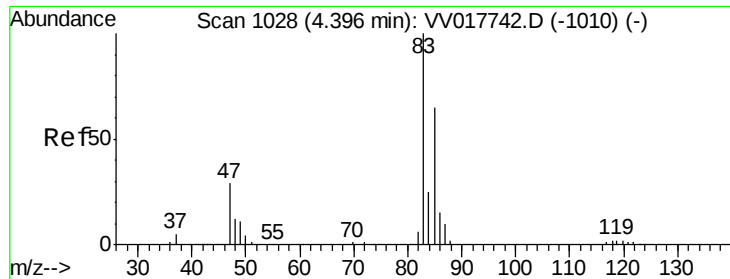
100000

50000

0

Time-->

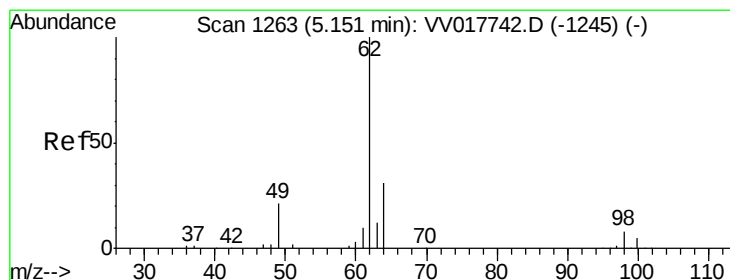
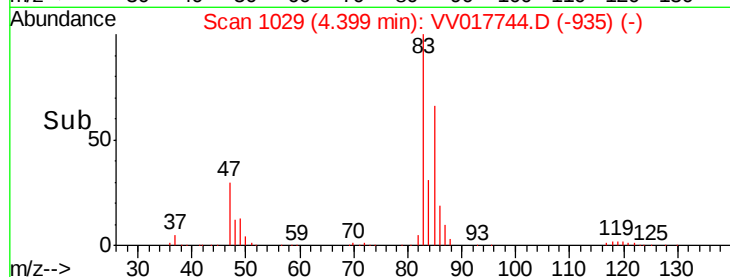
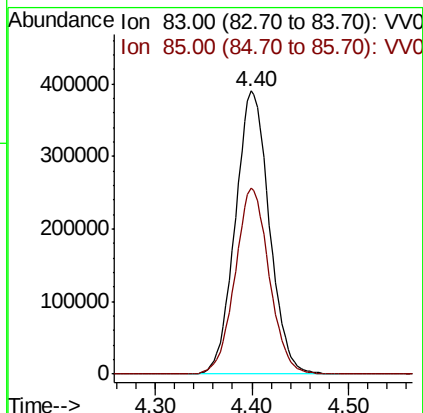
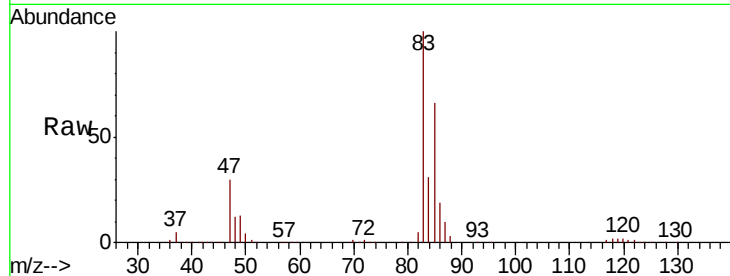




#25
Chloroform
Concen: 197.472 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

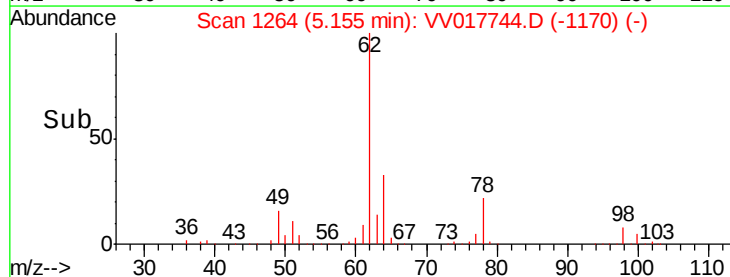
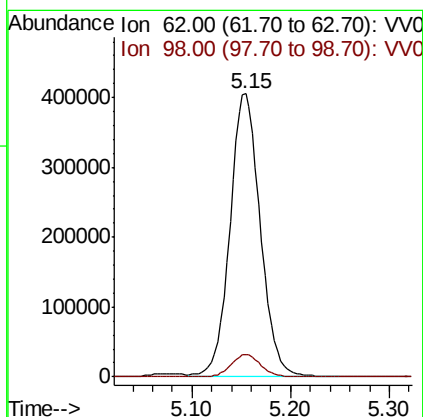
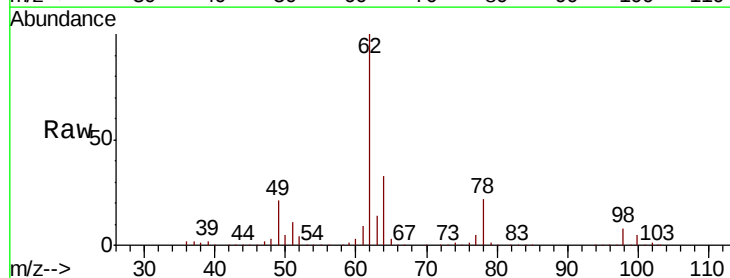
Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

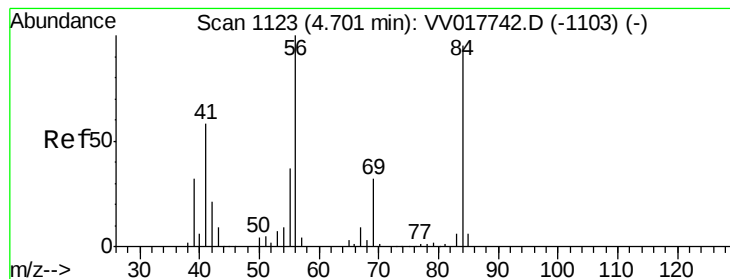
Tot Ion: 83 Resp: 954952
Ion Ratio Lower Upper
83 100
85 65.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 206.322 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

Tgt Ion: 62 Resp: 863175
Ion Ratio Lower Upper
62 100
98 8.0 6.0 9.0





#29

Cyclohexane

Concen: 171.130 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

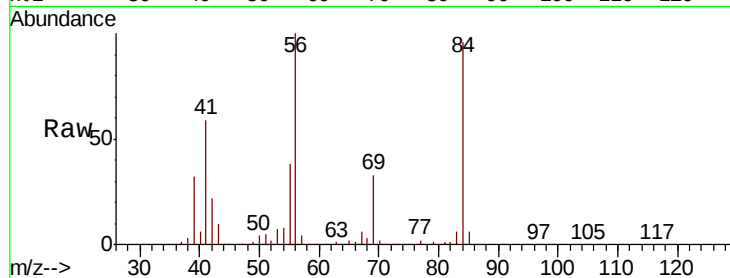
Tot Ion: 56 Resp: 685027

Ion Ratio Lower Upper

56 100

69 33.2 26.1 39.1

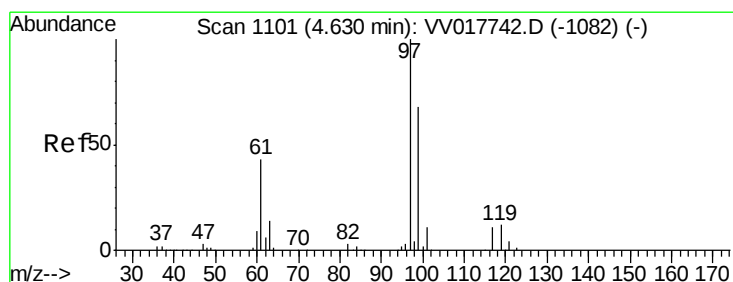
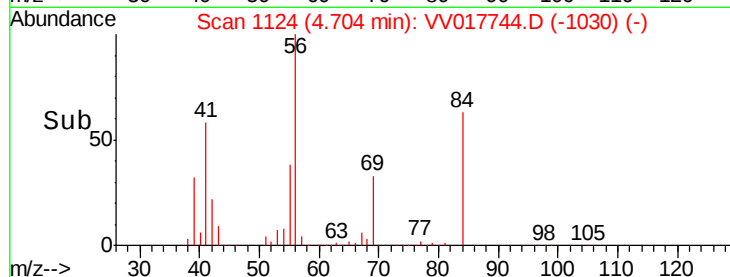
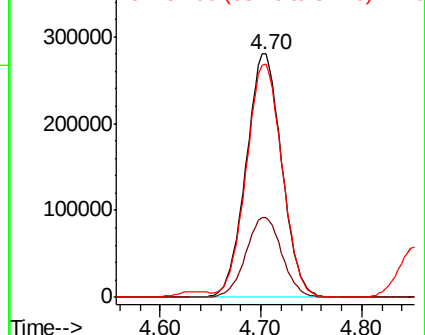
84 96.8 76.6 114.8



Abundance Ion 56.00 (55.70 to 56.70): VV017744.D (-1103) (-)

Ion 69.00 (68.70 to 69.70): VV017744.D (-1103) (-)

Ion 84.00 (83.70 to 84.70): VV017744.D (-1103) (-)



#30

1,1,1-Trichloroethane

Concen: 201.468 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

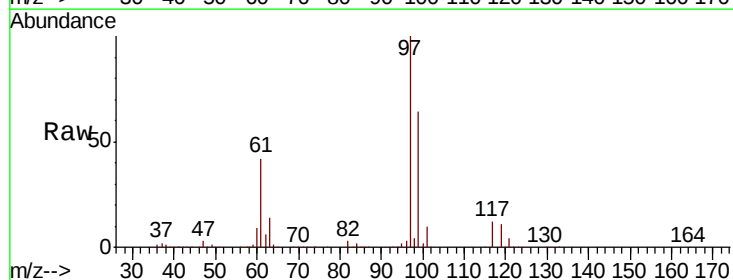
Tgt Ion: 97 Resp: 956161

Ion Ratio Lower Upper

97 100

99 64.2 52.0 78.0

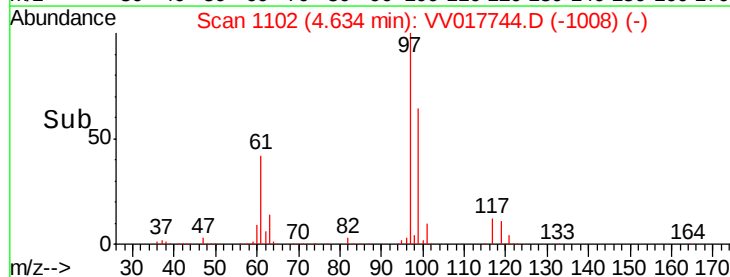
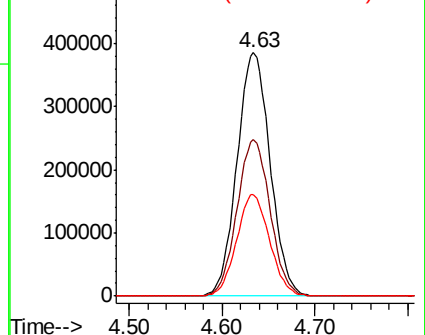
61 41.8 34.1 51.1

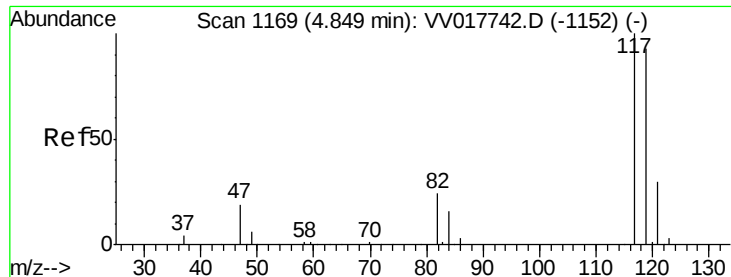


Abundance Ion 97.00 (96.70 to 97.70): VV017744.D (-1082) (-)

Ion 99.00 (98.70 to 99.70): VV017744.D (-1082) (-)

Ion 61.05 (60.75 to 61.75): VV017744.D (-1082) (-)



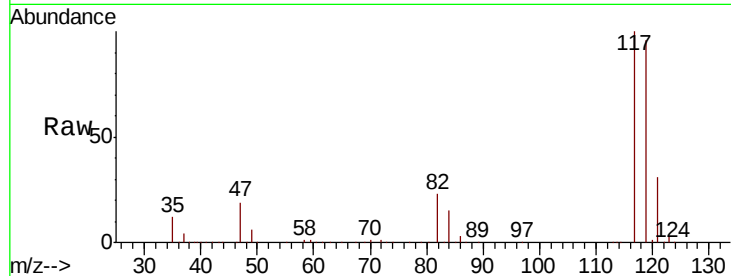


#31

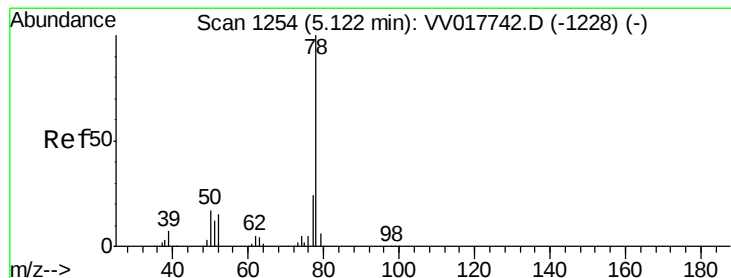
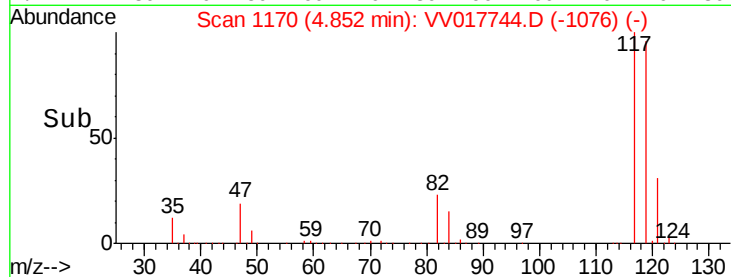
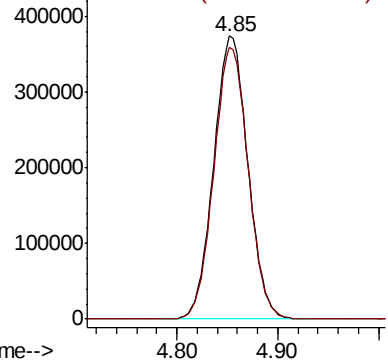
Carbon tetrachloride
 Concen: 203.461 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Tot Ion:117 Resp: 877111
 Ion Ratio Lower Upper
 117 100
 119 96.5 77.6 116.4



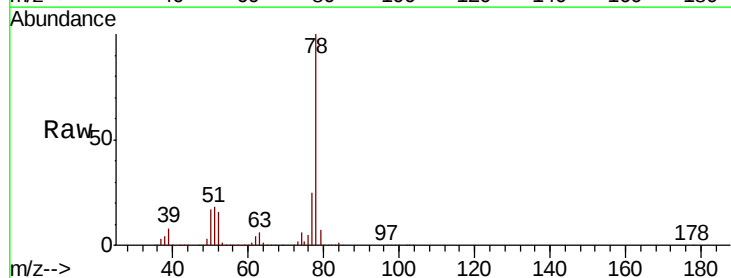
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



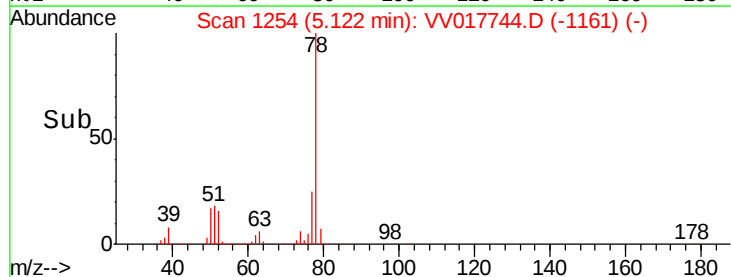
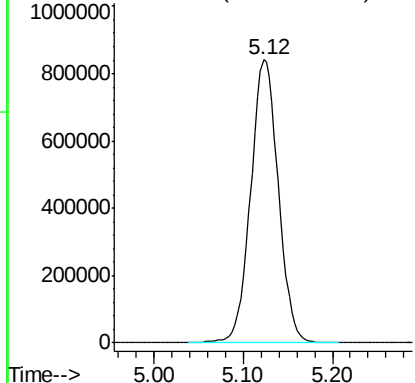
#33

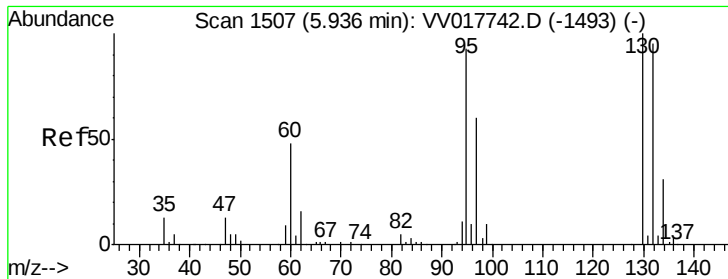
Benzene
 Concen: 183.045 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Tgt Ion: 78 Resp: 1817555



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 189.369 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

Tot Ion: 95 Resp: 521072

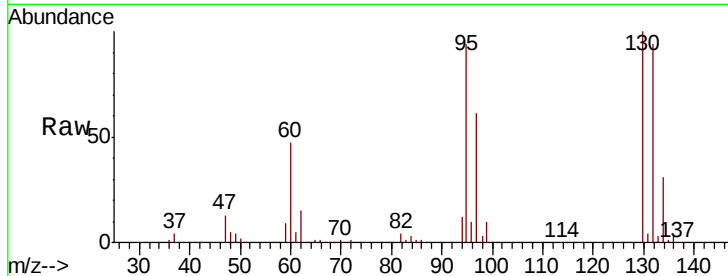
Ion Ratio Lower Upper

95 100

97 64.7 45.3 84.1

132 100.1 71.4 132.6

130 106.1 75.3 139.9

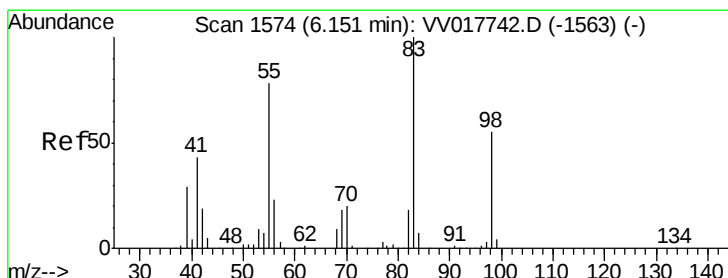
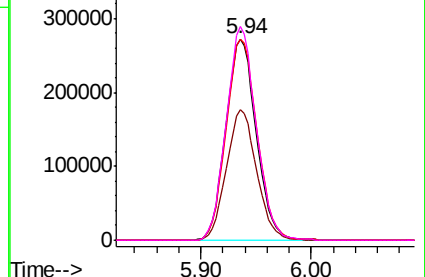
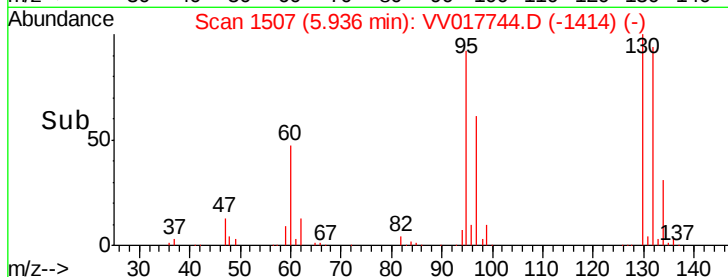


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 183.502 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

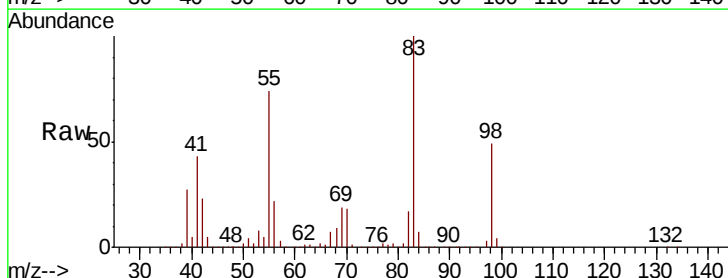
Tgt Ion: 83 Resp: 778484

Ion Ratio Lower Upper

83 100

55 73.9 59.4 89.2

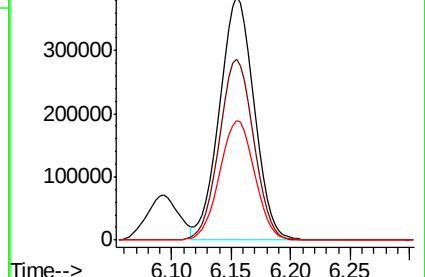
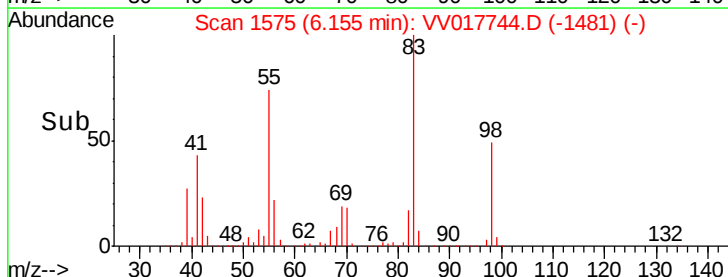
98 49.9 41.2 61.8

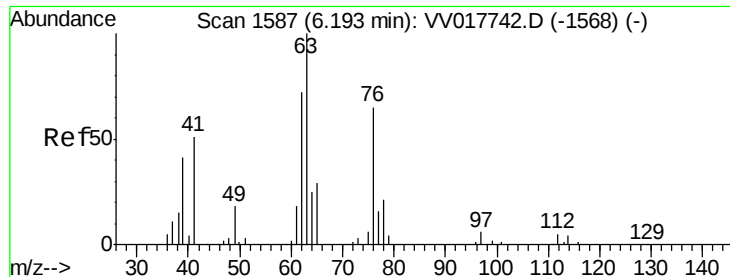


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 173.896 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

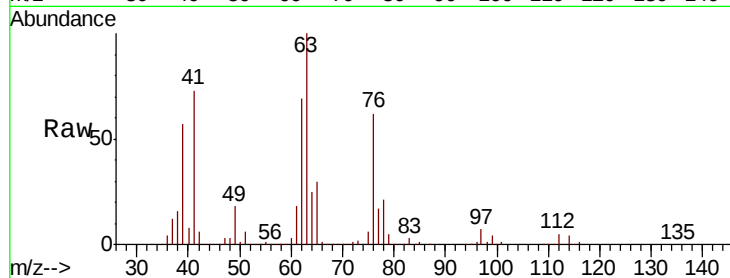
VSTD20065

Tot Ion: 63 Resp: 434282

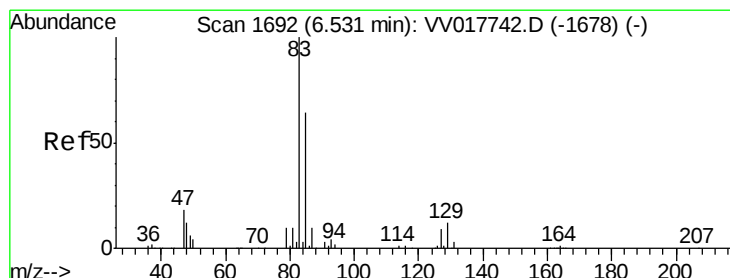
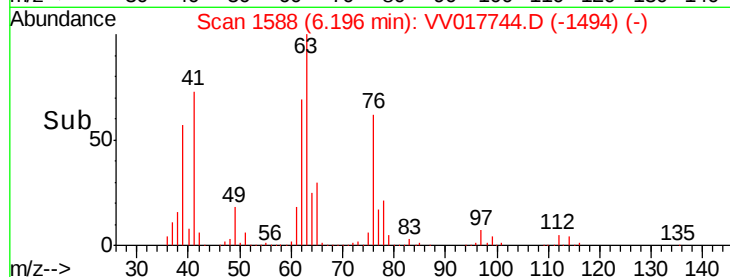
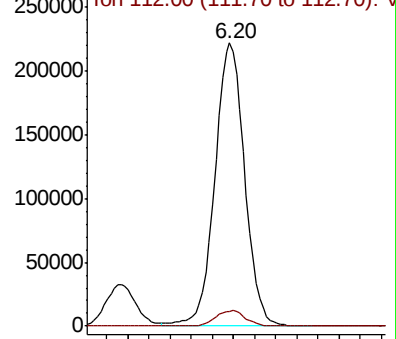
Ion Ratio Lower Upper

63 100

112 5.5 4.6 6.8



Abundance Ion 63.00 (62.70 to 63.70): VV017744.D (-1568) (-)



#38

Bromodichloromethane

Concen: 199.377 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

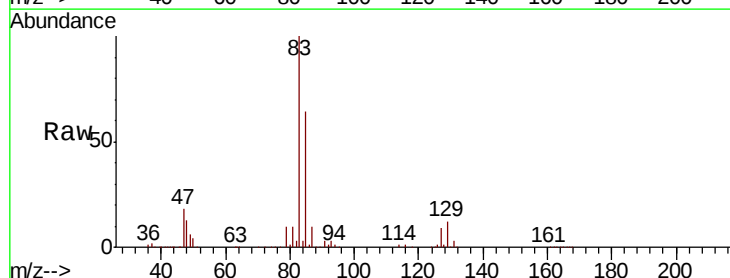
Tgt Ion: 83 Resp: 756365

Ion Ratio Lower Upper

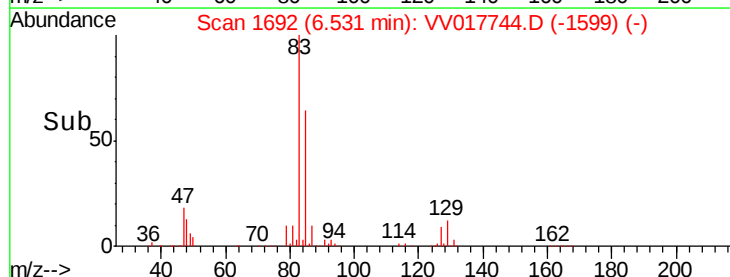
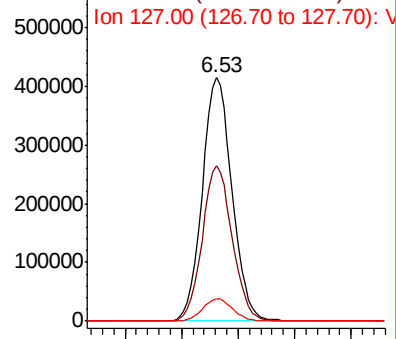
83 100

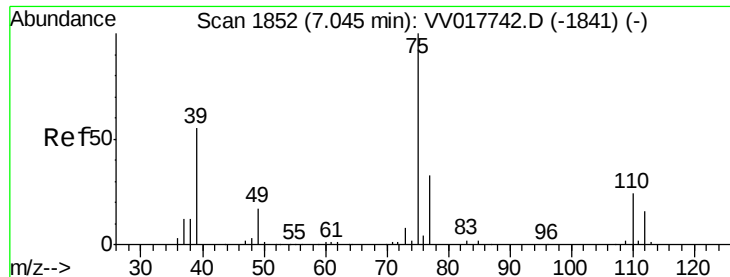
85 63.7 44.8 83.2

127 9.2 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV017744.D (-1599) (-)

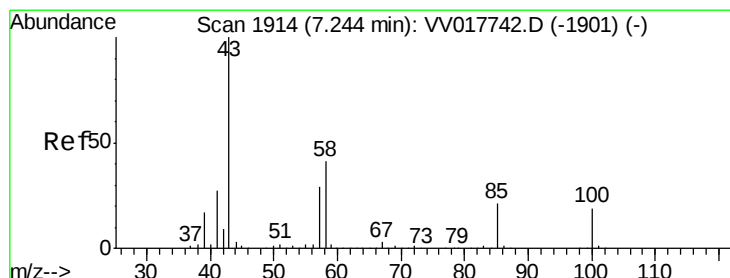
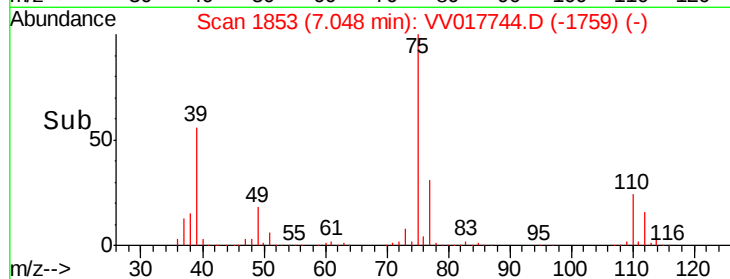
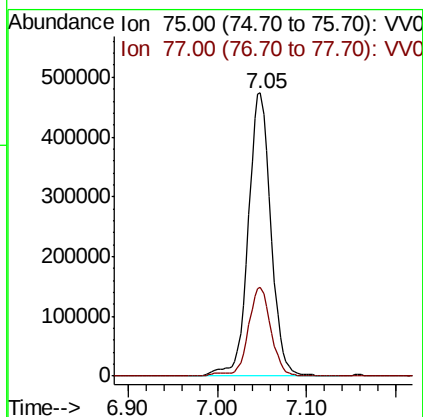
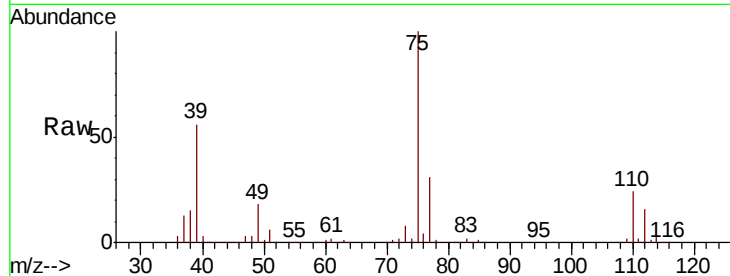




#39
 cis-1,3-Dichloropropene
 Concen: 198.195 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

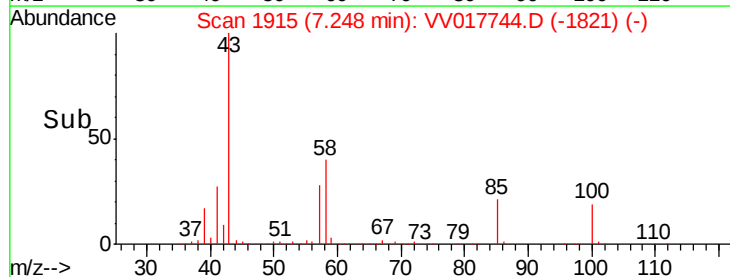
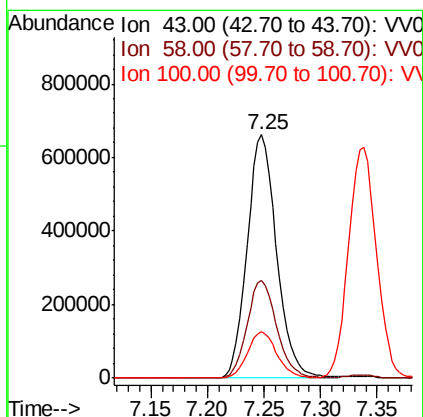
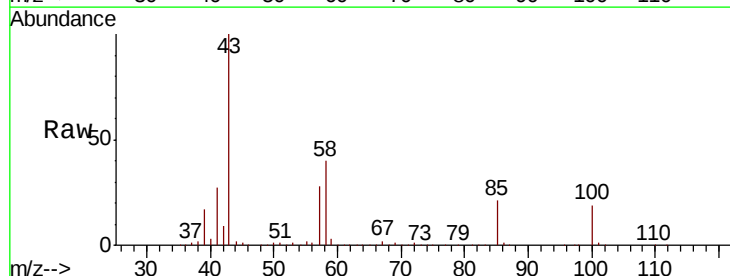
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD20065

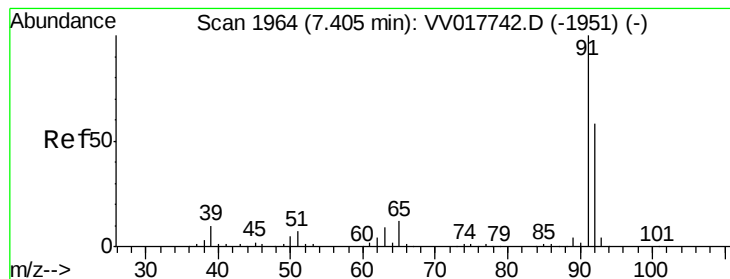
Tot Ion: 75 Resp: 838113
 Ion Ratio Lower Upper
 75 100
 77 31.3 23.2 43.0



#40
 4-Methyl-2-pentanone
 Concen: 351.261 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Tgt Ion: 43 Resp: 1200226
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.4 48.6
 100 19.0 14.9 22.3





#42

Toluene

Concen: 189.367 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

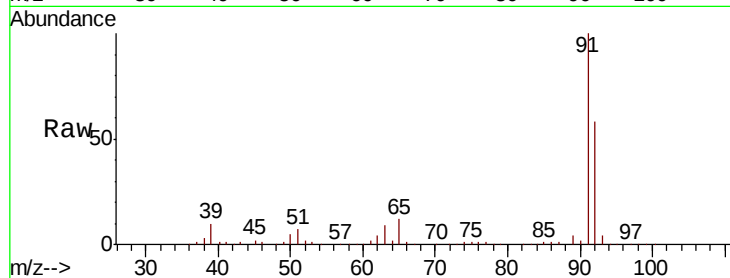
VSTD20065

Tot Ion: 91 Resp: 2074774

Ion Ratio Lower Upper

91 100

92 57.9 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV017744.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV017744.D (-1951) (-)

7.41

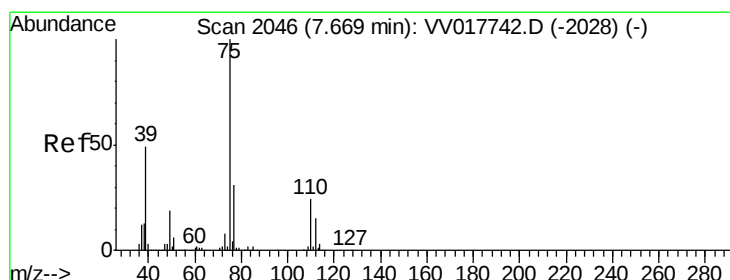
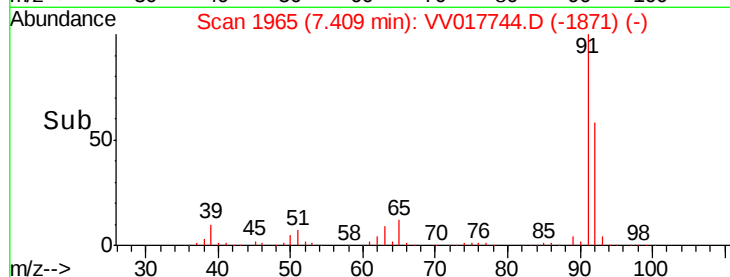
1500000

1000000

500000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 205.098 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017744.D

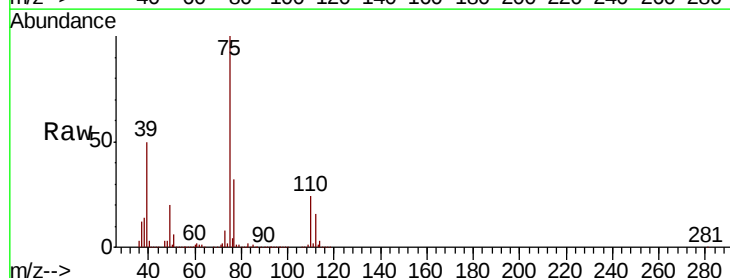
Acq: 30 Jul 2020 11:44

Tgt Ion: 75 Resp: 876920

Ion Ratio Lower Upper

75 100

77 31.9 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV017744.D (-1953) (-)

Ion 77.00 (76.70 to 77.70): VV017744.D (-1953) (-)

7.67

600000

500000

400000

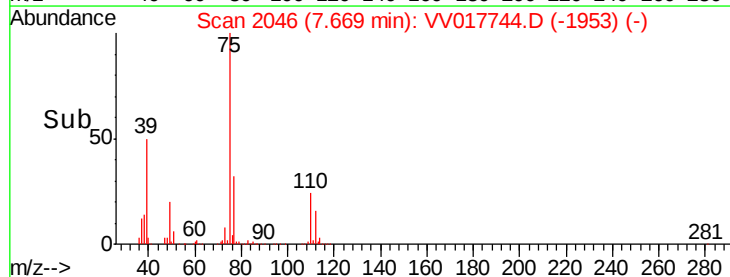
300000

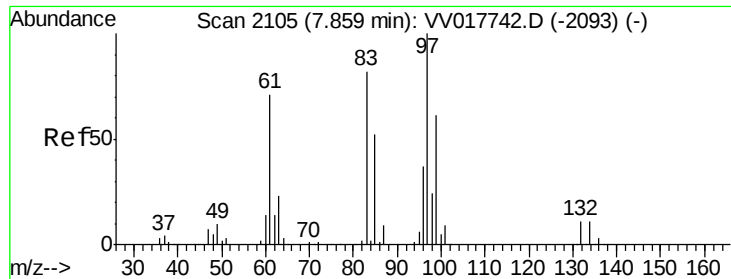
200000

100000

0

Time-->

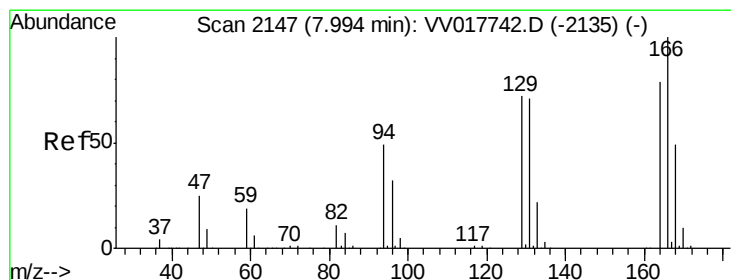
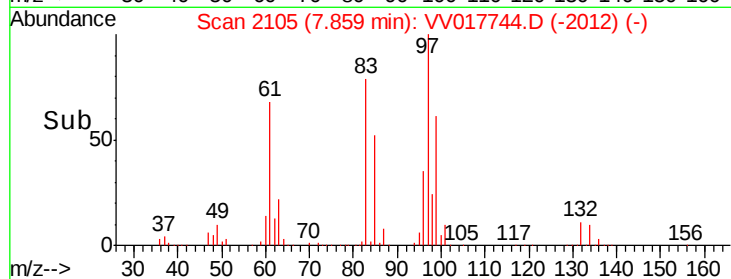
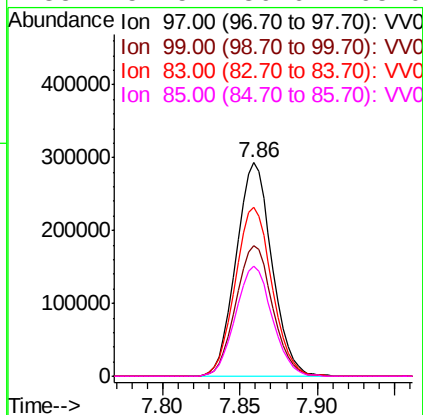
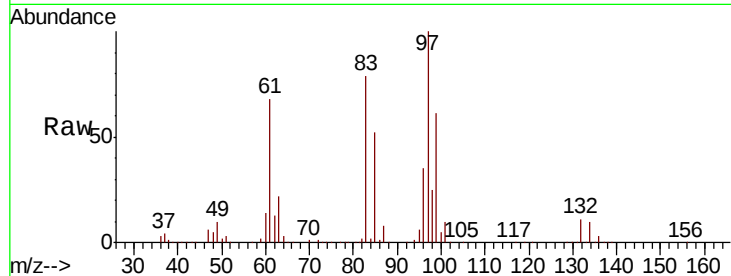




#45
 1,1,2-Trichloroethane
 Concen: 185.004 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

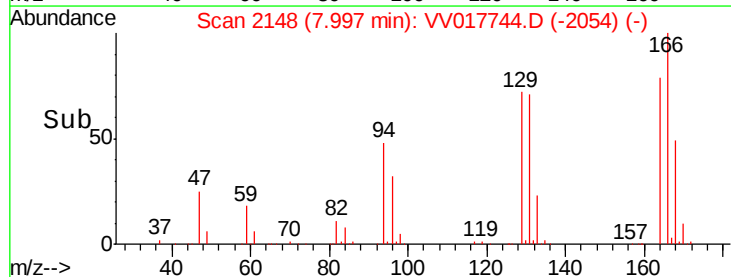
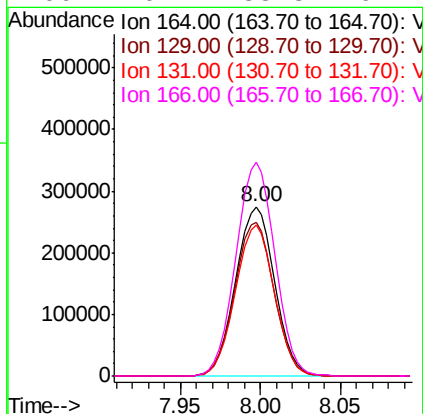
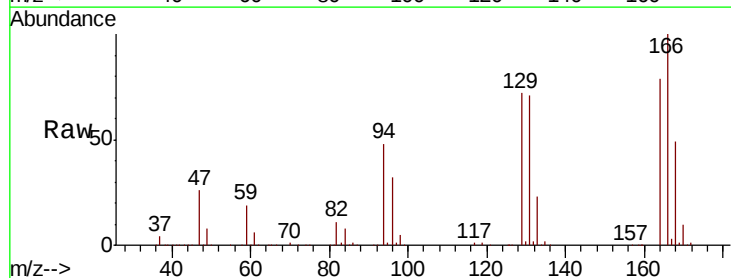
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

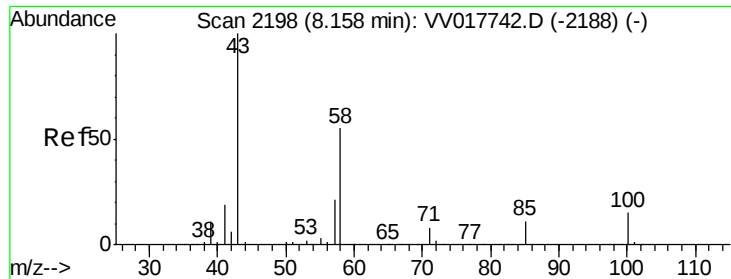
Tot Ion:	97	Resp:	473986
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.0	80.0
83	79.2	57.3	106.5
85	51.5	36.6	68.0



#46
 Tetrachloroethene
 Concen: 194.181 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Tgt Ion:	164	Resp:	456151
Ion	Ratio	Lower	Upper
164	100		
129	91.0	63.9	118.7
131	89.2	62.6	116.3
166	126.2	88.3	164.1

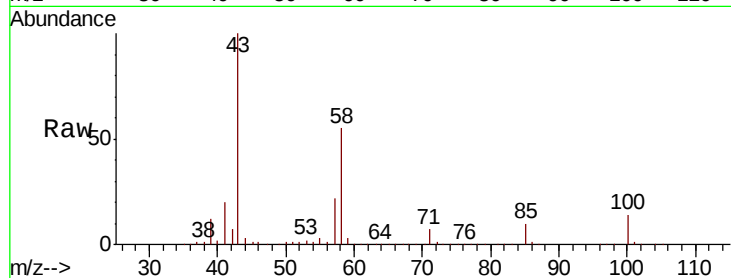




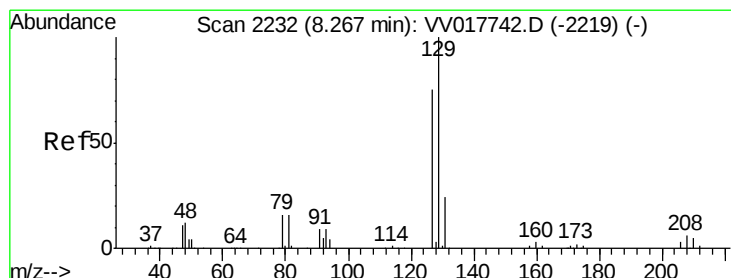
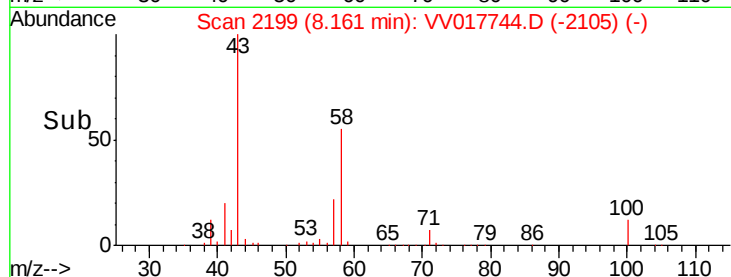
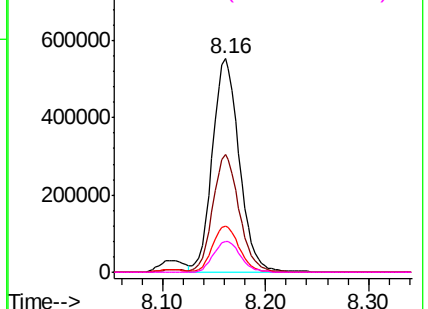
#48
2-Hexanone
Concen: 363.665 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

Instrument :
MSVOA_V
ClientSampleId :
VSTD20065

Tot Ion: 43 Resp: 997874
Ion Ratio Lower Upper
43 100
58 54.0 42.8 64.2
57 21.8 16.6 24.8
100 14.6 11.6 17.4

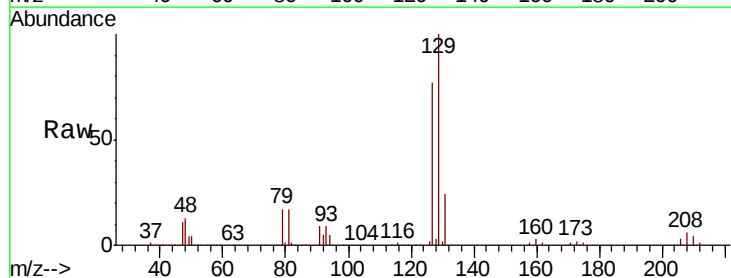


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

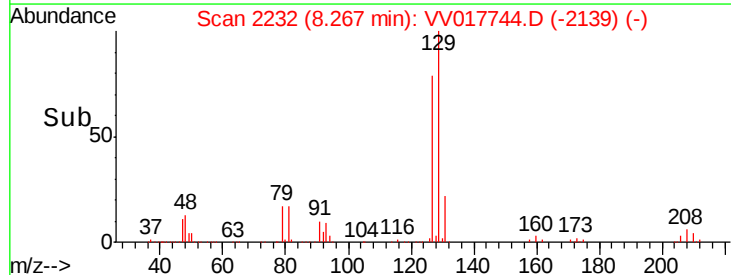
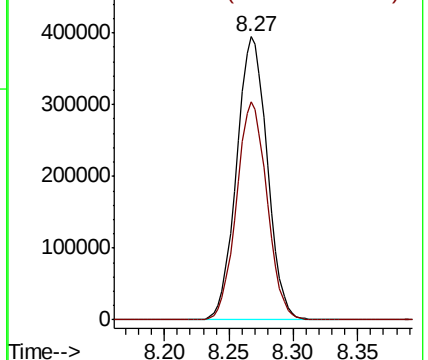


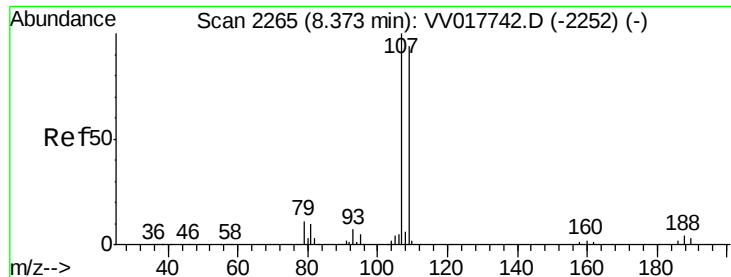
#49
Dibromochloromethane
Concen: 205.503 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

Tgt Ion: 129 Resp: 653208
Ion Ratio Lower Upper
129 100
127 77.0 52.6 97.8



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

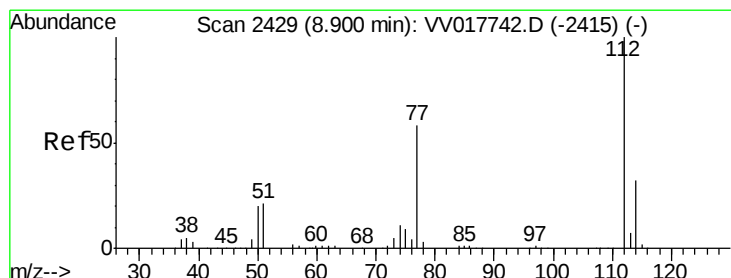
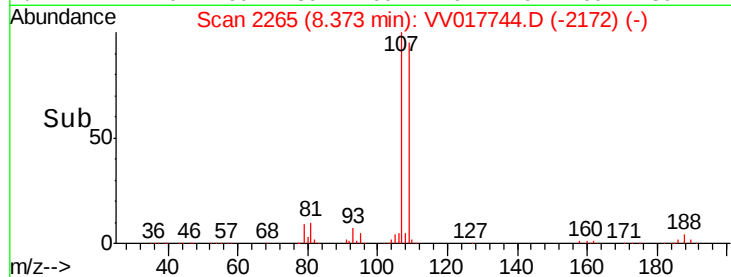
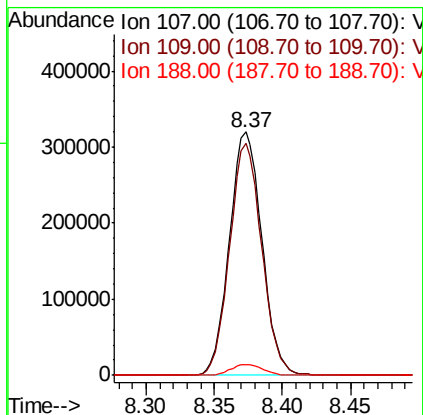
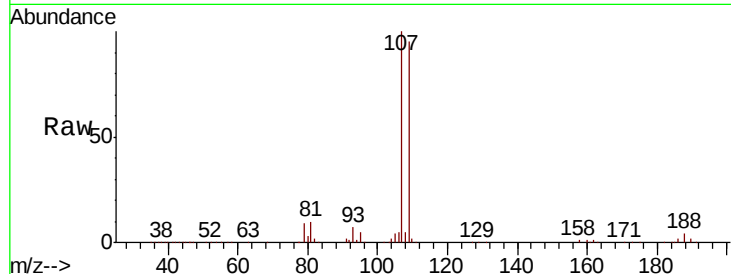




#50
 1,2-Dibromoethane
 Concen: 190.196 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

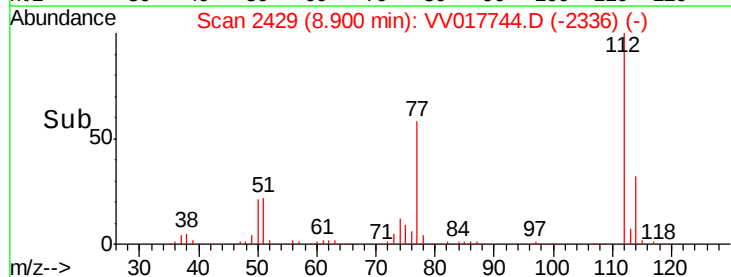
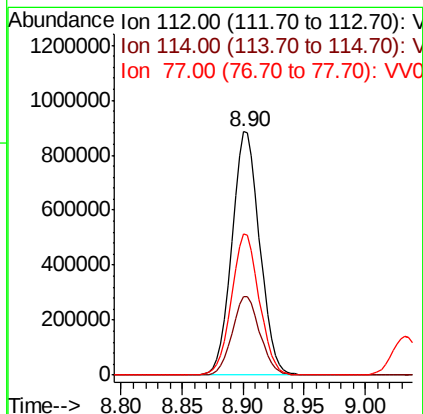
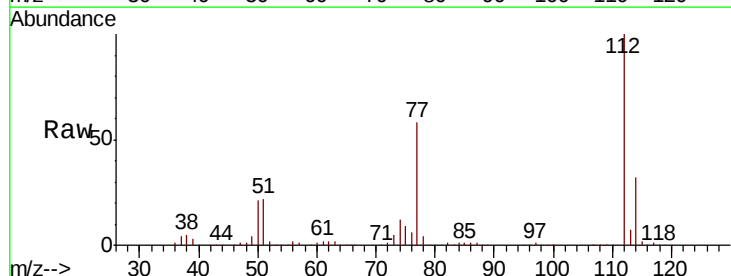
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

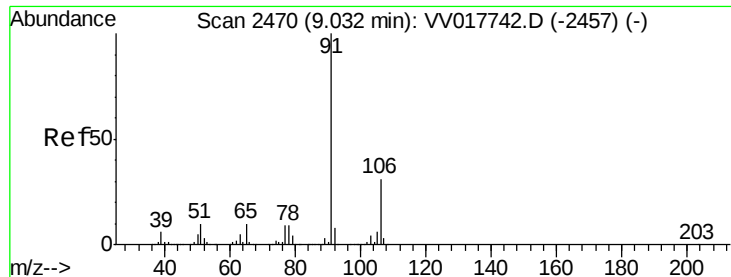
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.5	121.7
188	4.5	3.6	5.4



#51
 Chlorobenzene
 Concen: 192.705 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.7	42.1
77	58.0	46.6	70.0





#52

Ethylbenzene

Concen: 198.307 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

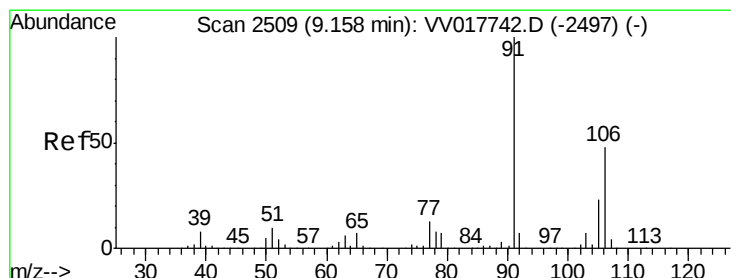
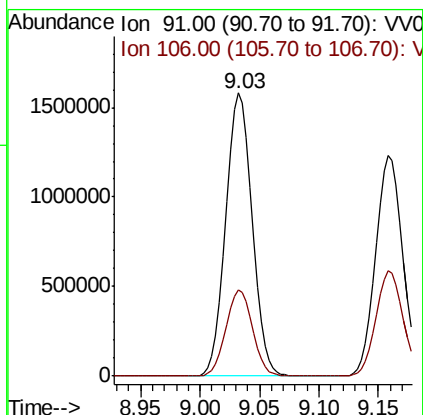
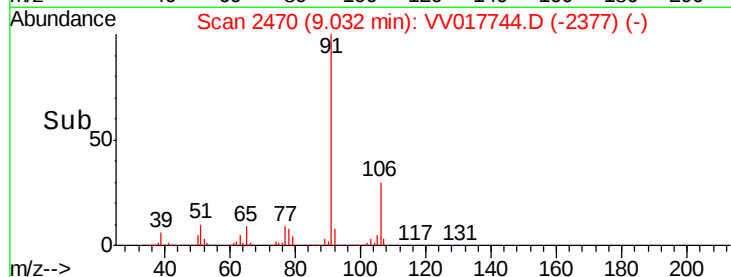
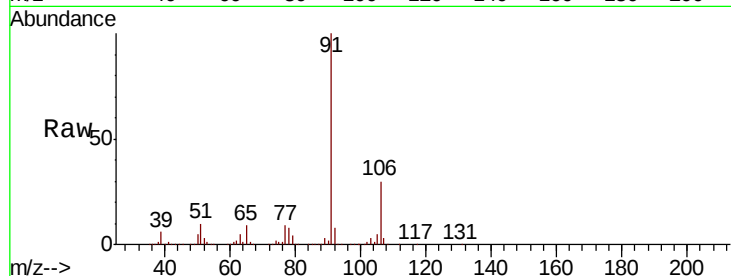
VSTD20065

Tot Ion: 91 Resp: 2439777

Ion Ratio Lower Upper

91 100

106 30.4 21.5 39.9



#53

m,p-Xylene

Concen: 197.073 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017744.D

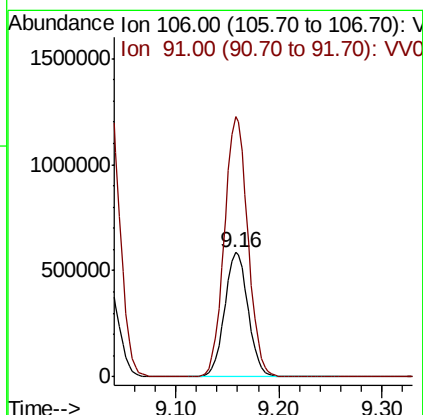
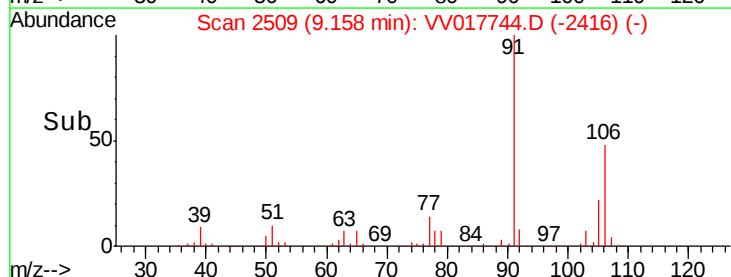
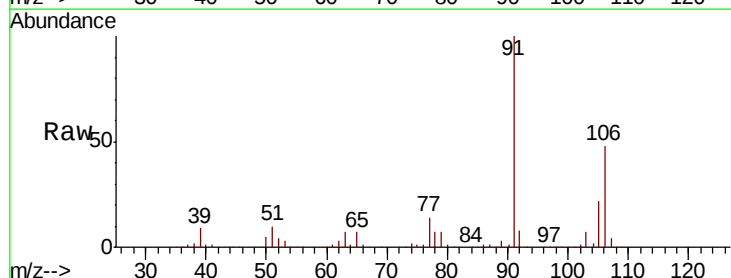
Acq: 30 Jul 2020 11:44

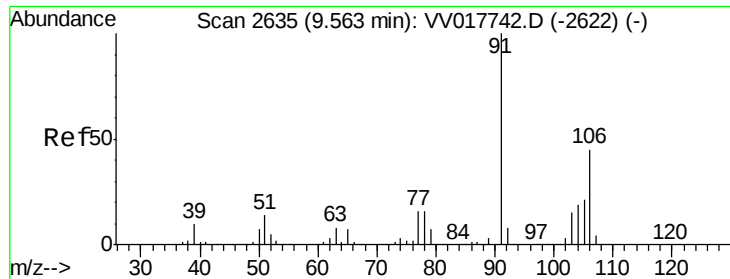
Tgt Ion: 106 Resp: 927886

Ion Ratio Lower Upper

106 100

91 209.9 145.8 270.8

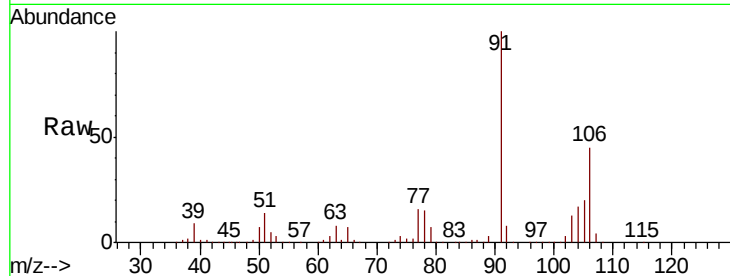




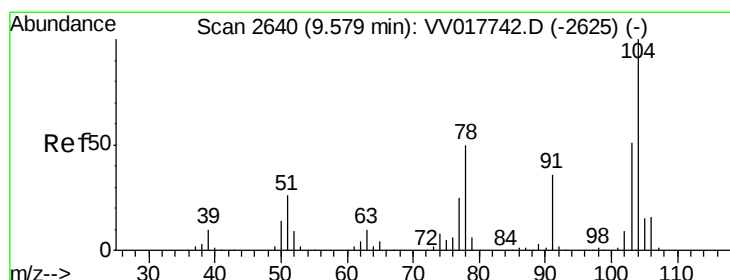
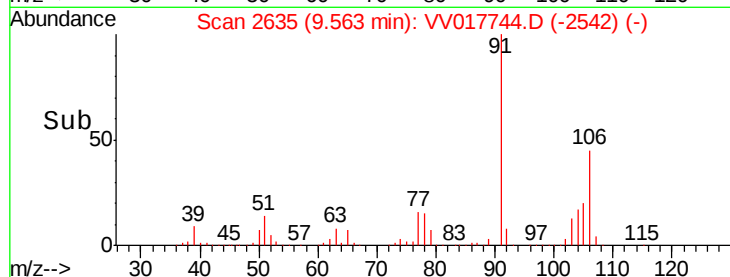
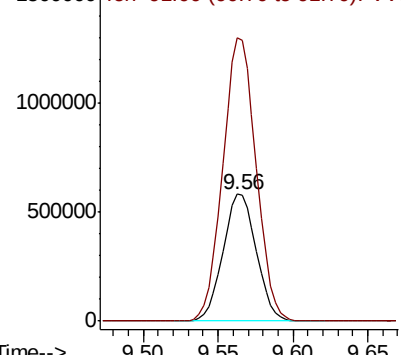
#54
o-xylene
Concen: 197.372 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

Instrument :
MSVOA_V
ClientSampled :
VSTD20065

Tot Ion:106 Resp: 902422
Ion Ratio Lower Upper
106 100
91 222.7 156.4 290.4

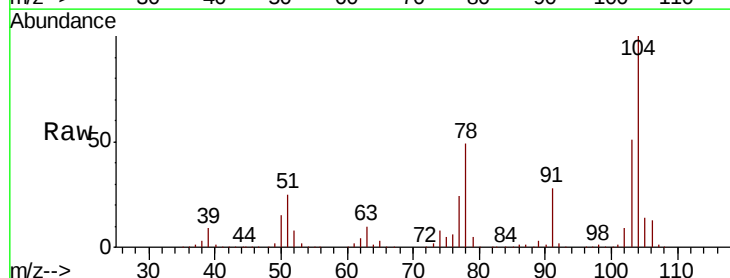


Abundance Ion 106.00 (105.70 to 106.70): V
1500000 Ion 91.00 (90.70 to 91.70): VV0

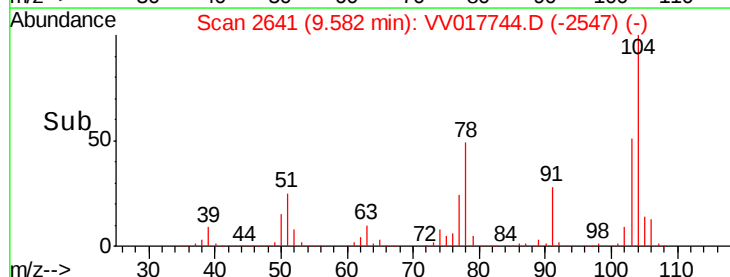
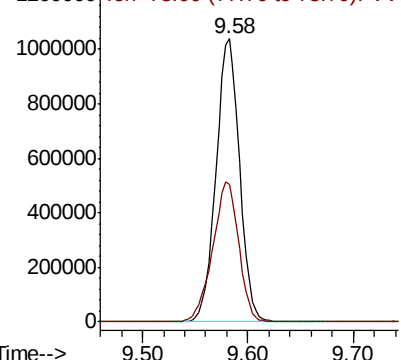


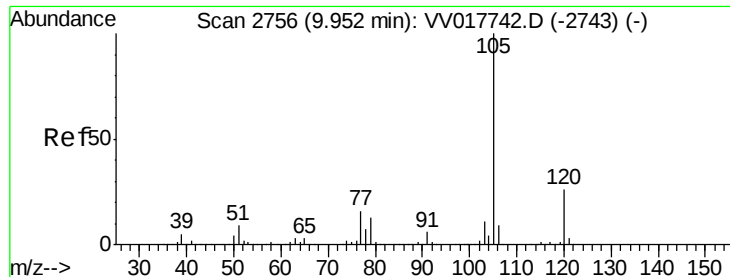
#55
Styrene
Concen: 205.386 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV017744.D
Acq: 30 Jul 2020 11:44

Tgt Ion:104 Resp: 1601802
Ion Ratio Lower Upper
104 100
78 48.7 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V
1200000 Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 203.228 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

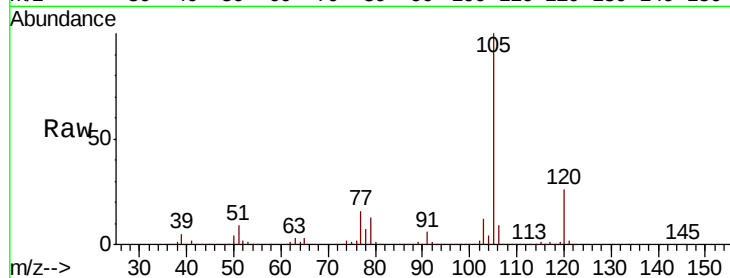
Tot Ion:105 Resp: 2519501

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

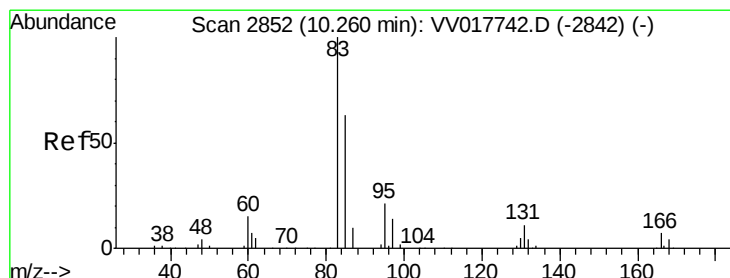
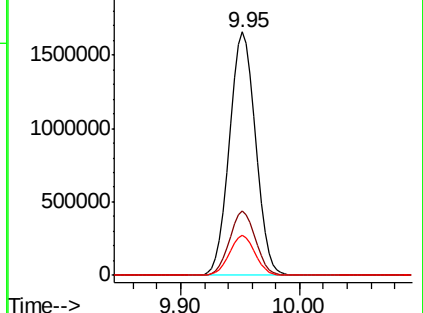
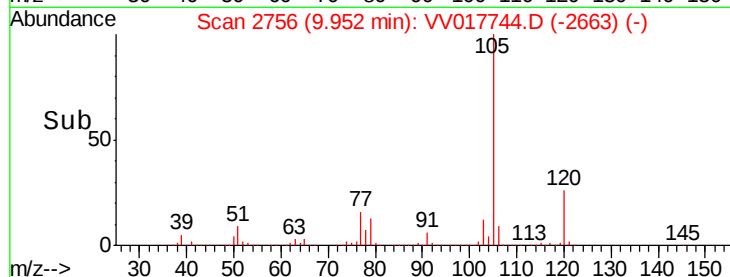
77 16.1 13.2 19.8



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: 182.739 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

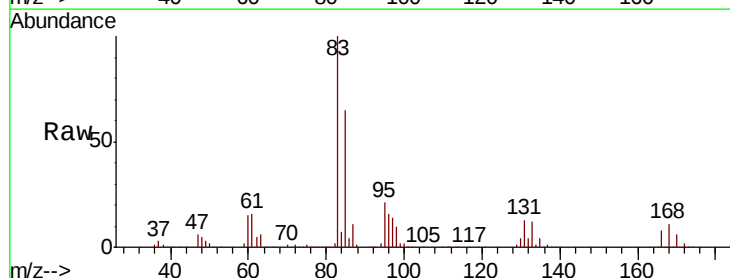
Tgt Ion: 83 Resp: 723780

Ion Ratio Lower Upper

83 100

85 64.6 45.6 84.8

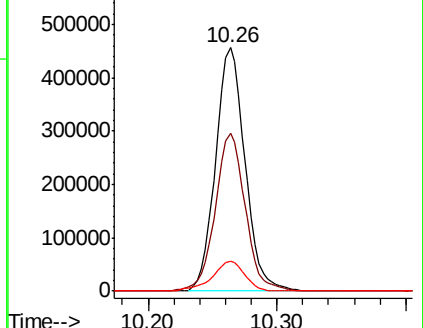
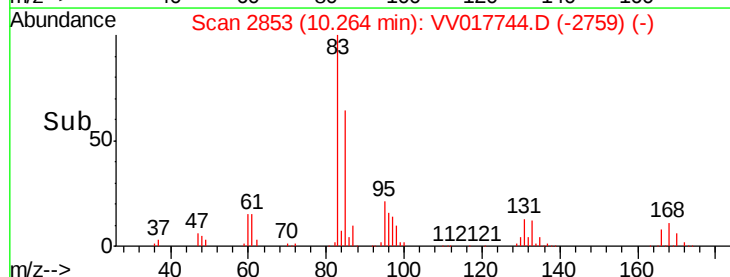
131 12.5 9.5 14.3

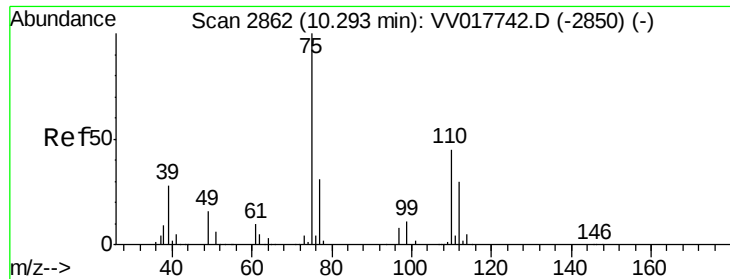


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 188.904 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

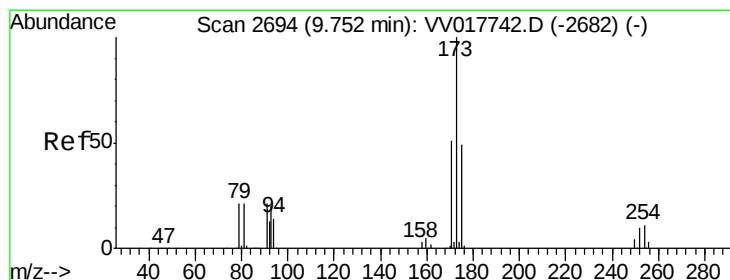
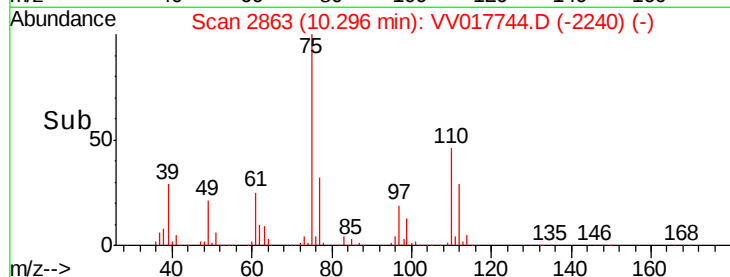
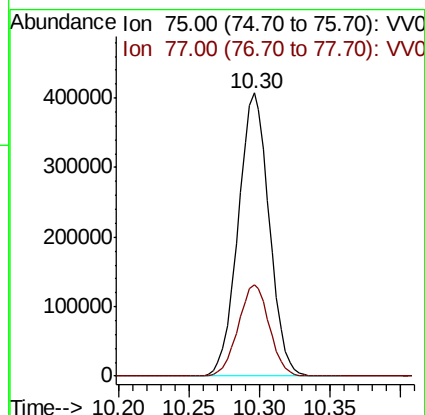
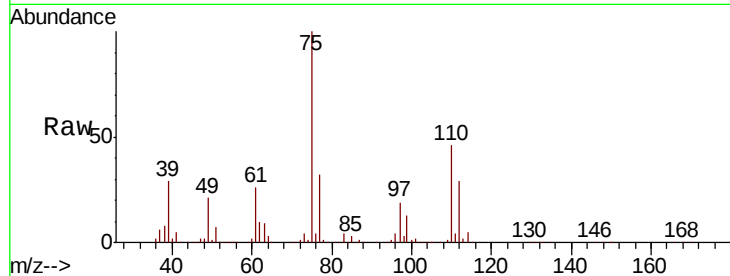
VSTD20065

Tot Ion: 75 Resp: 628354

Ion Ratio Lower Upper

75 100

77 32.4 25.1 37.7



#61

Bromoform

Concen: 194.730 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

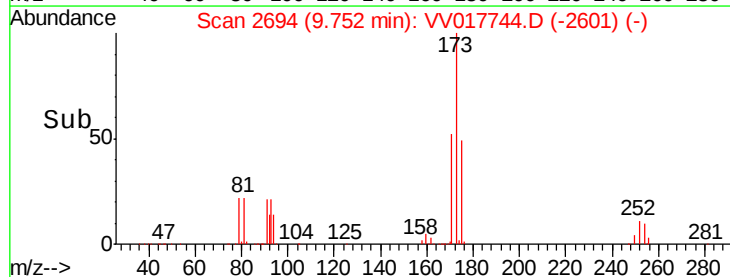
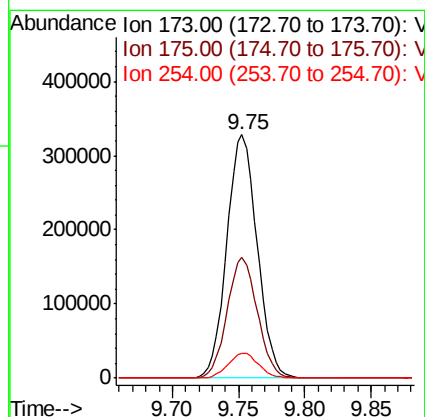
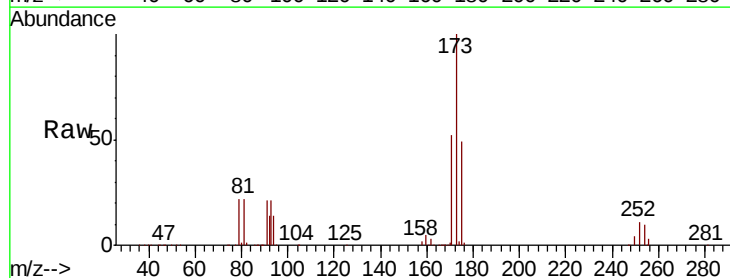
Tgt Ion: 173 Resp: 522538

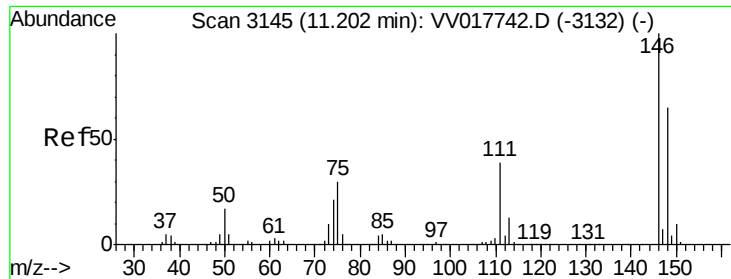
Ion Ratio Lower Upper

173 100

175 49.3 39.8 59.8

254 10.2 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 187.476 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

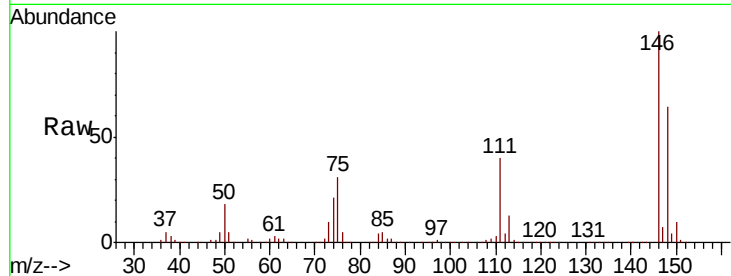
MSVOA_V

ClientSampleId :

VSTD20065

Tot Ion:146 Resp: 1297877

Ion	Ratio	Lower	Upper
146	100		
111	40.3	27.6	51.4
148	63.9	45.3	84.1

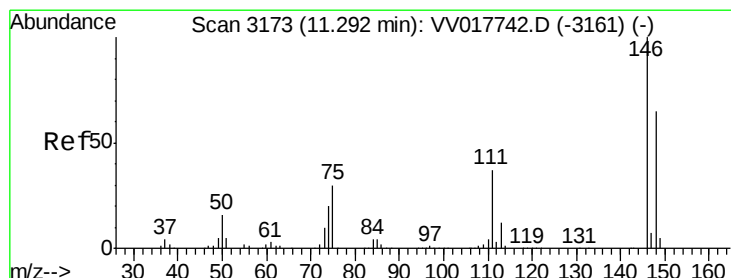
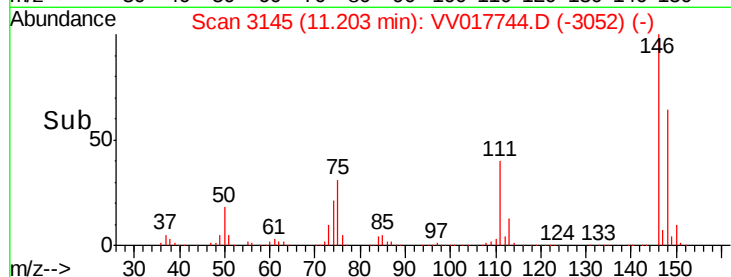
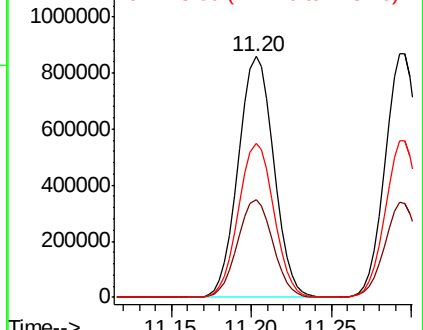


Abundance

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



#63

1,4-Dichlorobenzene

Concen: 185.635 ug/L

RT: 11.29 min Scan# 3173

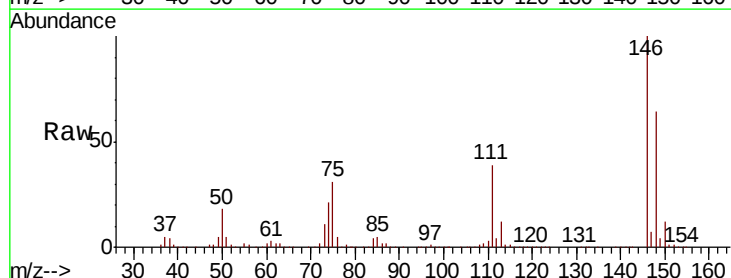
Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Tgt Ion:146 Resp: 1314593

Ion	Ratio	Lower	Upper
146	100		
111	39.0	26.4	49.0
148	64.1	45.3	84.1

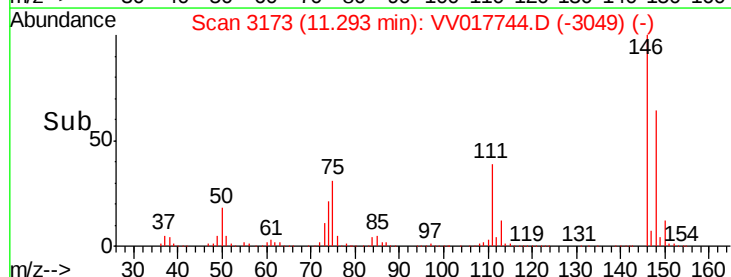
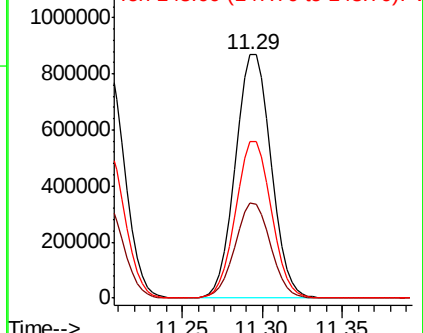


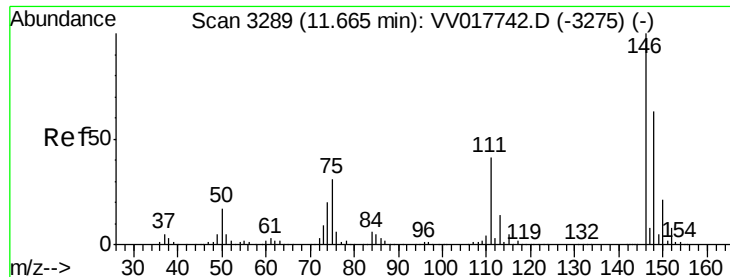
Abundance

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: 185.215 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampled :

VSTD20065

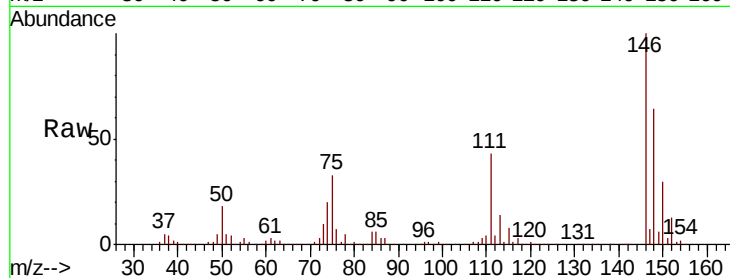
Tot Ion:146 Resp: 1298262

Ion Ratio Lower Upper

146 100

111 42.5 32.6 49.0

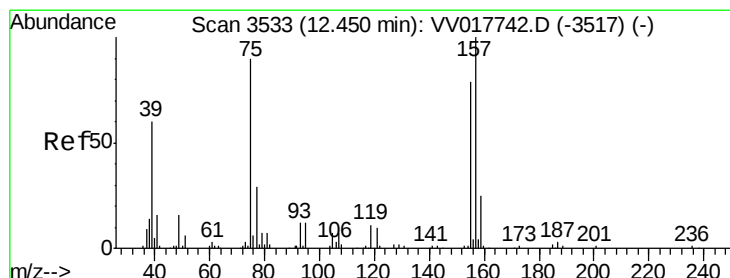
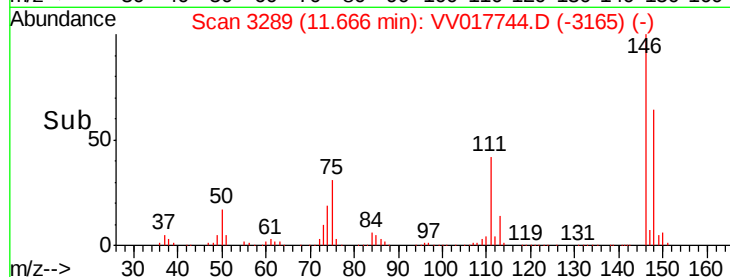
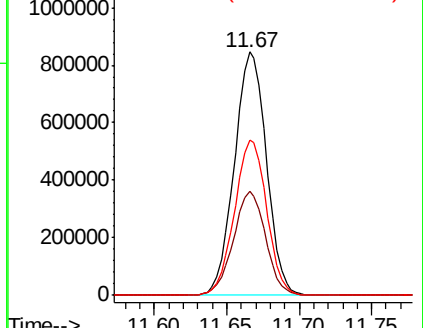
148 63.6 50.4 75.6



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



#66

1,2-Dibromo-3-chloropropane

Concen: 183.578 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

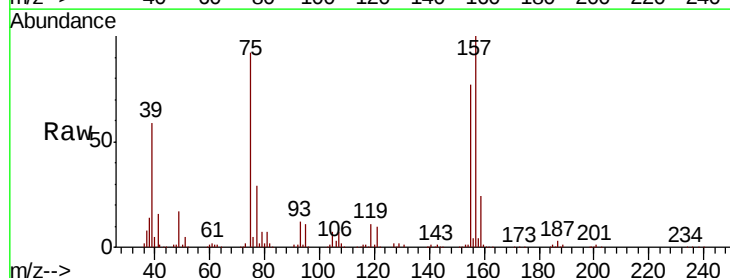
Tgt Ion: 75 Resp: 207833

Ion Ratio Lower Upper

75 100

155 84.4 70.2 105.2

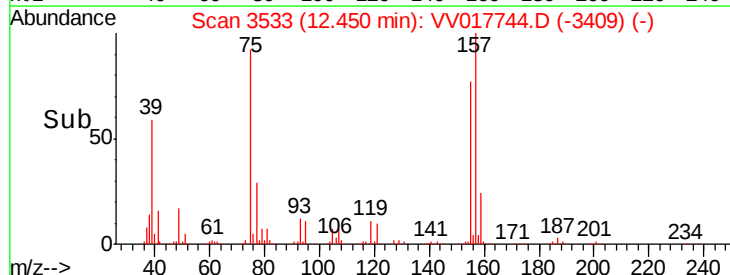
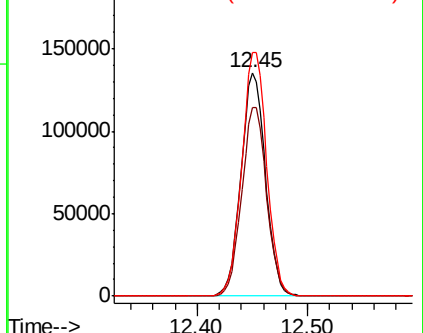
157 109.1 88.9 133.3

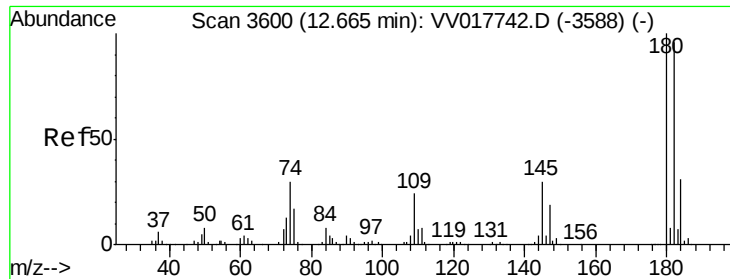


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

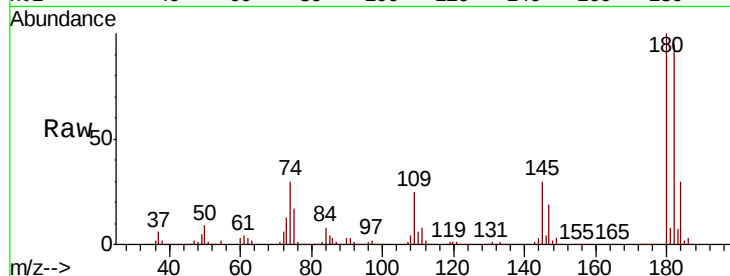




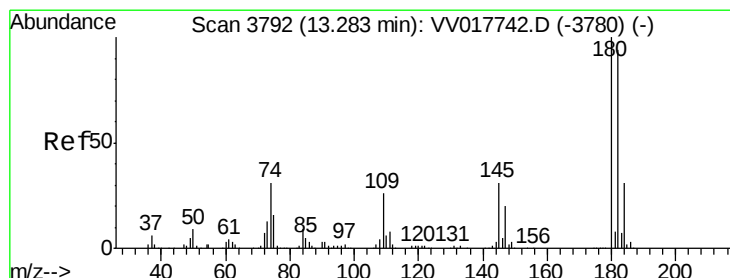
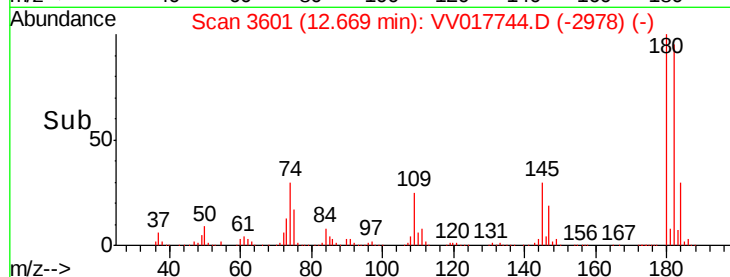
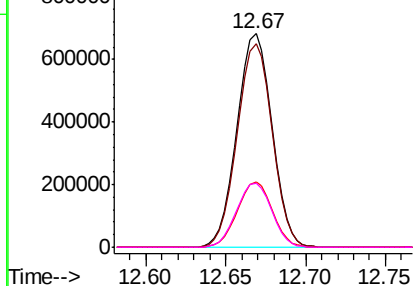
#67
 1,3,5-Trichlorobenzene
 Concen: 185.734 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD20065

Tot Ion:180 Resp: 1019758
 Ion Ratio Lower Upper
 180 100
 182 95.4 76.9 115.3
 184 30.4 25.1 37.7
 145 30.1 24.3 36.5

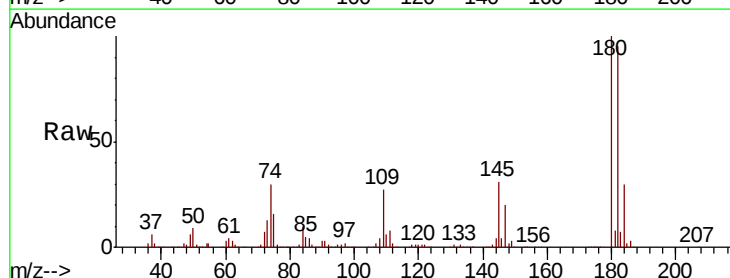


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

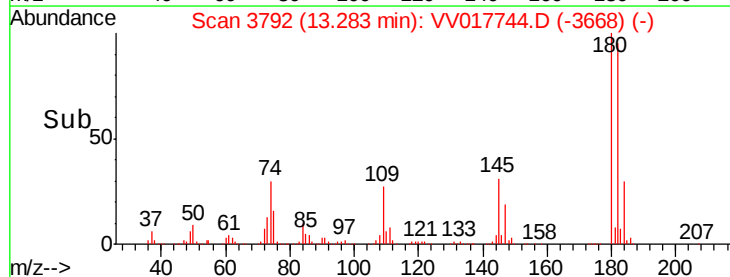
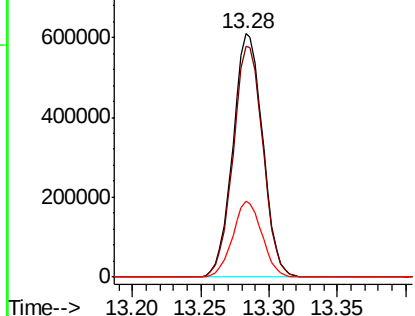


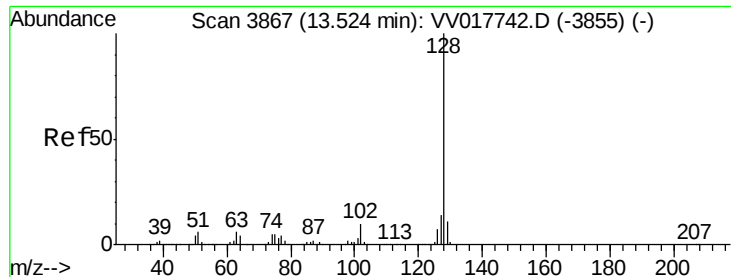
#68
 1,2,4-trichlorobenzene
 Concen: 189.731 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017744.D
 Acq: 30 Jul 2020 11:44

Tgt Ion:180 Resp: 925399
 Ion Ratio Lower Upper
 180 100
 182 94.7 76.0 114.0
 145 30.7 24.6 36.8



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





#69

Naphthalene

Concen: 191.090 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

Instrument :

MSVOA_V

ClientSampleId :

VSTD20065

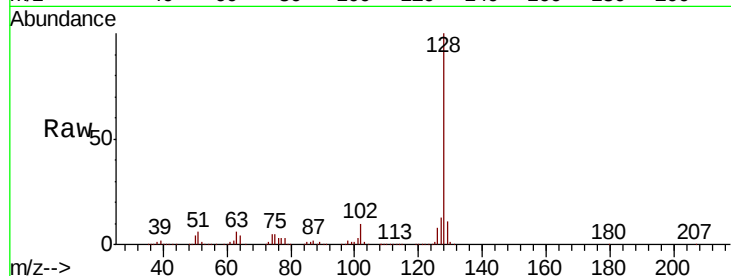
Tot Ion:128 Resp: 2553203

Ion Ratio Lower Upper

128 100

127 13.4 10.7 16.1

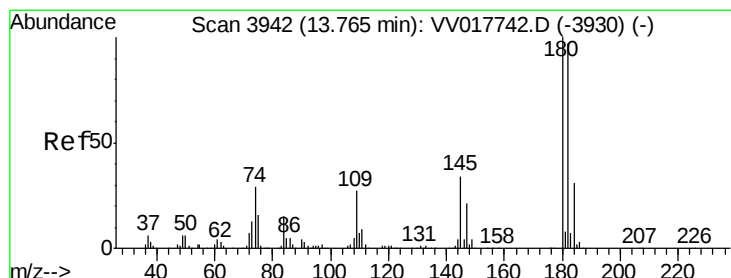
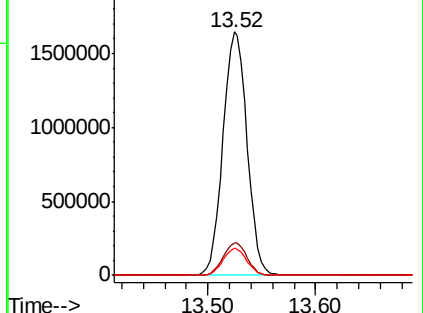
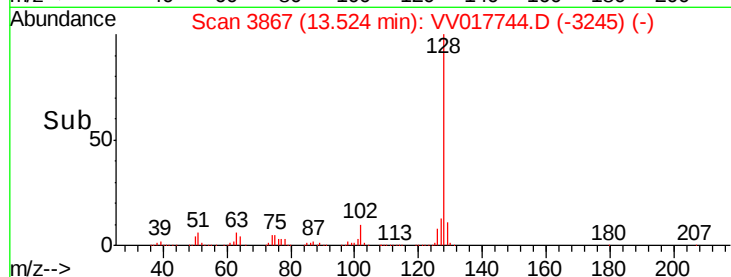
129 11.0 8.4 12.6



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: 186.196 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017744.D

Acq: 30 Jul 2020 11:44

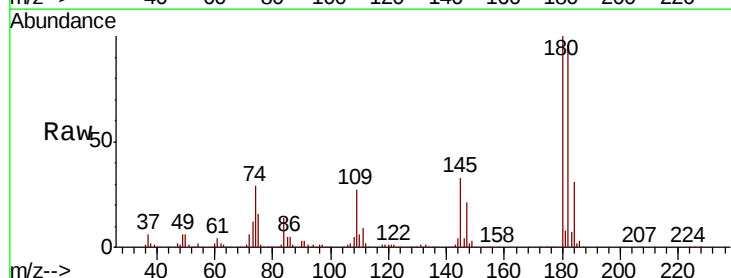
Tgt Ion:180 Resp: 901134

Ion Ratio Lower Upper

180 100

182 95.2 76.7 115.1

145 33.1 26.4 39.6



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

