

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV073020\
 Data File : VV017743.D
 Acq On : 30 Jul 2020 11:21
 Operator : SY/MD
 Sample : VSTD10064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Quant Time: Jul 31 02:01:27 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	339202	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	325851	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	189867	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.31	65	161063	81.26	ug/L	0.00
7) Chloroethane-d5	1.58	69	136303	95.43	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	392513	94.99	ug/L	0.00
21) 2-Butanone-d5	3.90	46	266422	175.60	ug/L	0.00
24) Chloroform-d	4.37	84	455874	96.43	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	336643	102.49	ug/L	0.00
32) Benzene-d6	5.07	84	787285	91.99	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	217650	85.91	ug/L	0.00
41) Toluene-d8	7.34	98	782967	96.28	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	146420	97.90	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	210038	184.79	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	332015	92.06	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	372185	95.56	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	310884	89.042	ug/L	99
3) Chloromethane	1.25	50	215109	83.187	ug/L	97
5) Vinyl chloride	1.32	62	222776	88.620	ug/L	100
6) Bromomethane	1.53	94	134035	85.636	ug/L	99
8) Chloroethane	1.59	64	133022	99.177	ug/L	99
9) Trichlorofluoromethane	1.76	101	438680	101.444	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	201621	95.795	ug/L	98
12) 1,1-Dichloroethene	2.13	96	187618	96.252	ug/L	97
13) Acetone	2.19	43	282794	193.093	ug/L	98
14) Carbon disulfide	2.31	76	592776	86.106	ug/L	100
15) Methyl Acetate	2.44	43	196206	83.862	ug/L	100
16) Methylene chloride	2.52	84	224161	88.710	ug/L	98
17) trans-1,2-Dichloroethene	2.78	96	215089	89.793	ug/L	99
18) Methyl tert-butyl Ether	2.78	73	747028	92.994	ug/L	99
19) 1,1-Dichloroethane	3.21	63	380115	88.639	ug/L	97
20) cis-1,2-Dichloroethene	3.93	96	234429	91.268	ug/L	97
22) 2-Butanone	3.99	43	314154	182.197	ug/L	100
23) Bromochloromethane	4.27	128	133243	93.522	ug/L	99
25) Chloroform	4.40	83	446761	95.299	ug/L	99
27) 1,2-Dichloroethane	5.15	62	404009	99.615	ug/L	100
29) Cyclohexane	4.70	56	316395	83.041	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	445002	98.511	ug/L	99
31) Carbon tetrachloride	4.85	117	408465	99.547	ug/L	100
33) Benzene	5.12	78	854637	90.427	ug/L	100
34) Trichloroethene	5.94	95	241046	92.036	ug/L	99
35) Methylcyclohexane	6.15	83	362482	89.769	ug/L	99
37) 1,2-Dichloropropane	6.20	63	201630	84.824	ug/L	99
38) Bromodichloromethane	6.53	83	350356	97.029	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	382167	94.949	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	552322	169.827	ug/L	99

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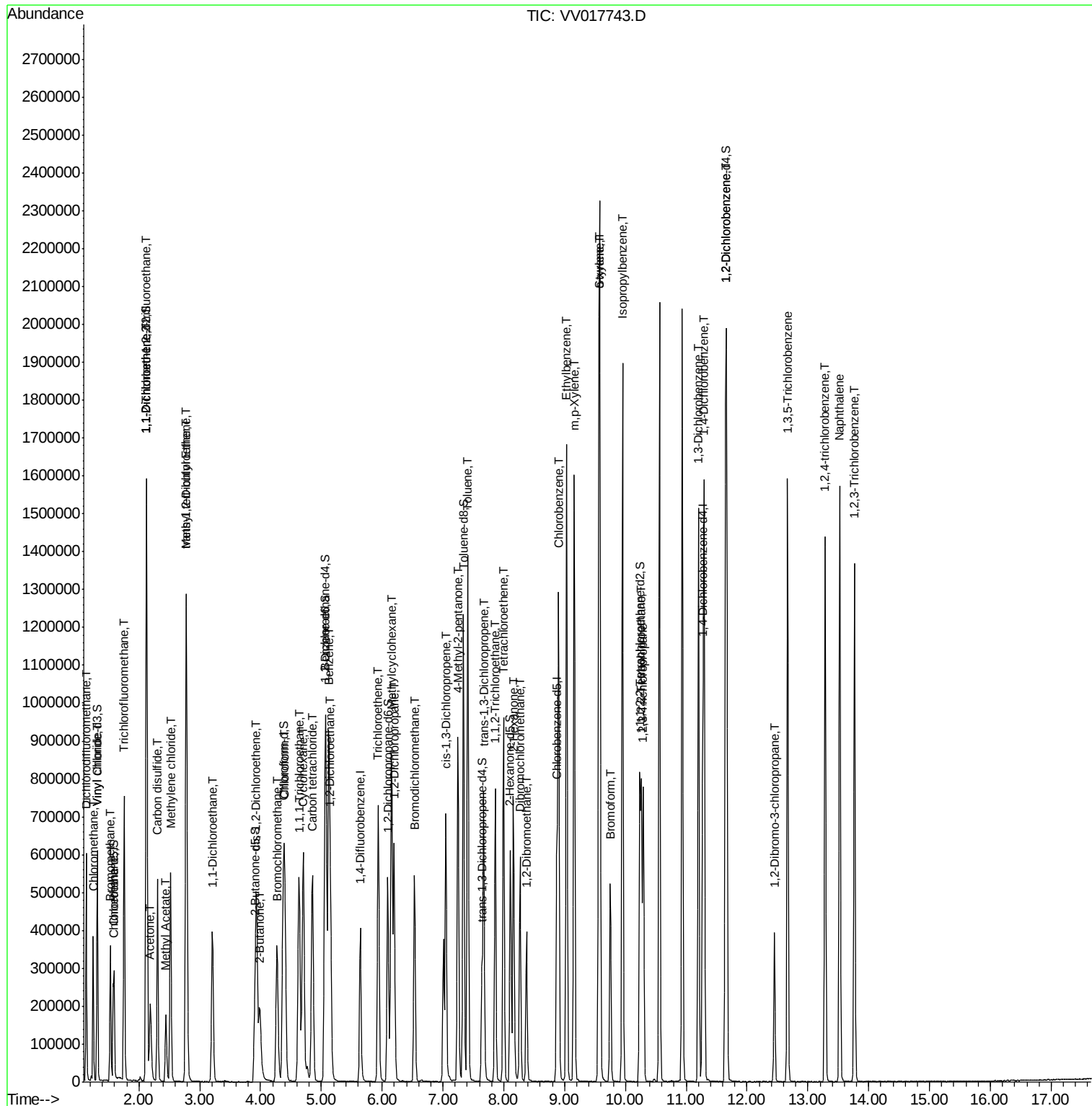
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	956759	91.745	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	398873	98.013	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	219801	90.135	ug/L	99
46) Tetrachloroethene	8.00	164	210763	94.263	ug/L	99
48) 2-Hexanone	8.16	43	463990	177.657	ug/L	99
49) Dibromochloromethane	8.27	129	295895	97.803	ug/L	98
50) 1,2-Dibromoethane	8.37	107	247016	93.294	ug/L	100
51) Chlorobenzene	8.90	112	648417	93.395	ug/L	99
52) Ethylbenzene	9.03	91	1121160	95.742	ug/L	100
53) m,p-Xylene	9.16	106	424531	94.730	ug/L	98
54) o-xylene	9.56	106	421742	96.911	ug/L	99
55) Styrene	9.58	104	737817	99.393	ug/L	99
56) Isopropylbenzene	9.95	105	1156139	97.978	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	329918	87.514	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	286077	90.358	ug/L	98
61) Bromoform	9.75	173	229540	93.834	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	583312	92.427	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	591875	91.682	ug/L	100
65) 1,2-Dichlorobenzene	11.67	146	587306	91.910	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	94409	91.476	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	475466	94.995	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	415220	93.385	ug/L	99
69) Naphthalene	13.52	128	1163561	95.528	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	411035	93.164	ug/L	99

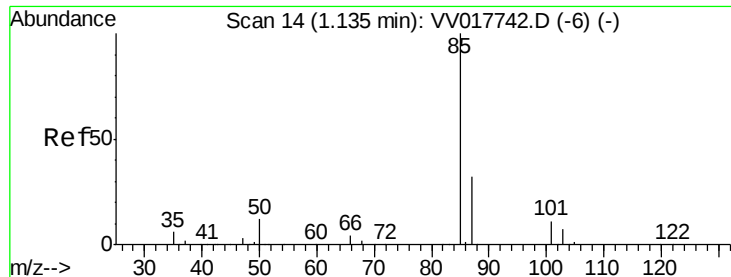
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 89.042 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

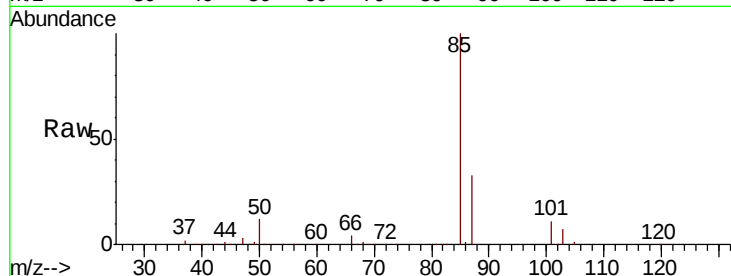
VSTD10064

Tot Ion: 85 Resp: 310884

Ion Ratio Lower Upper

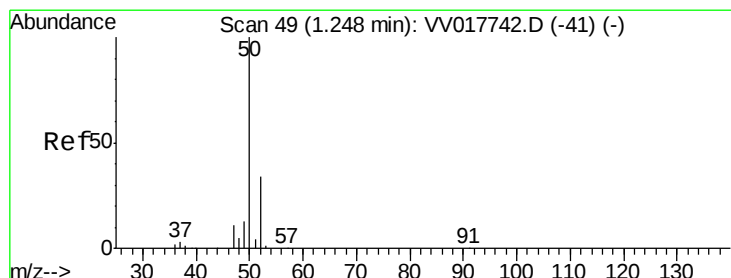
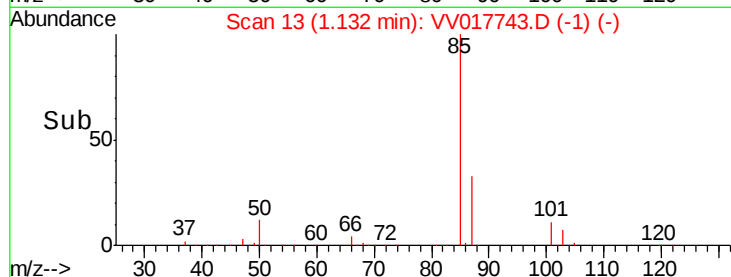
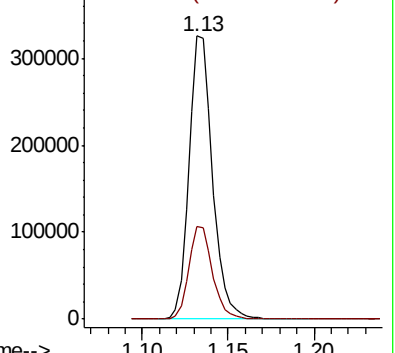
85 100

87 32.9 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV017742.D (-6) (-)

Ion 87.00 (86.70 to 87.70): VV017743.D (-1) (-)



#3

Chloromethane

Concen: 83.187 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV017743.D

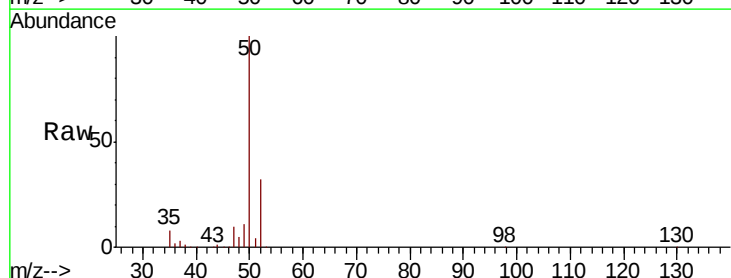
Acq: 30 Jul 2020 11:21

Tgt Ion: 50 Resp: 215109

Ion Ratio Lower Upper

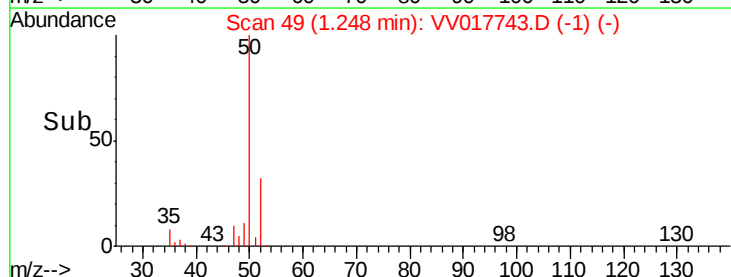
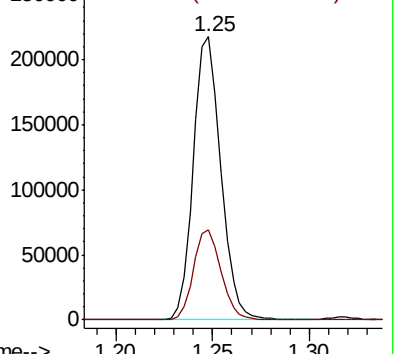
50 100

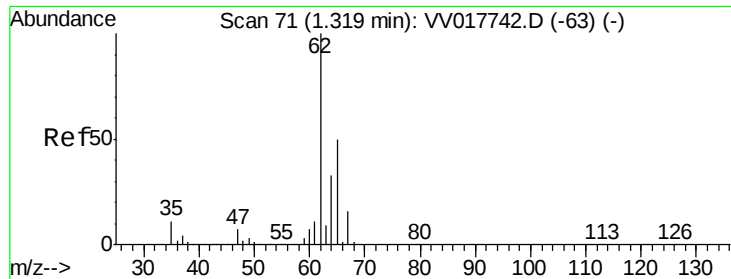
52 32.0 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV017742.D (-41) (-)

Ion 52.00 (51.70 to 52.70): VV017743.D (-1) (-)





#5

Vinyl chloride

Concen: 88.620 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

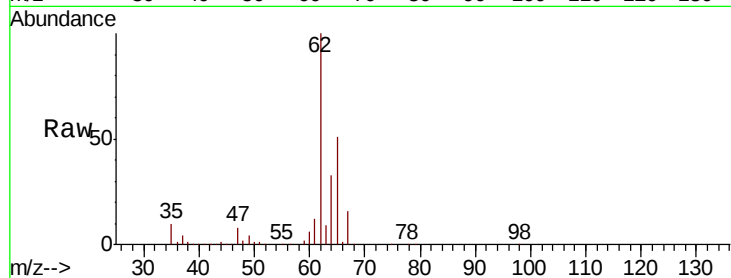
VSTD10064

Tot Ion: 62 Resp: 222776

Ion Ratio Lower Upper

62 100

64 32.8 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

200000

150000

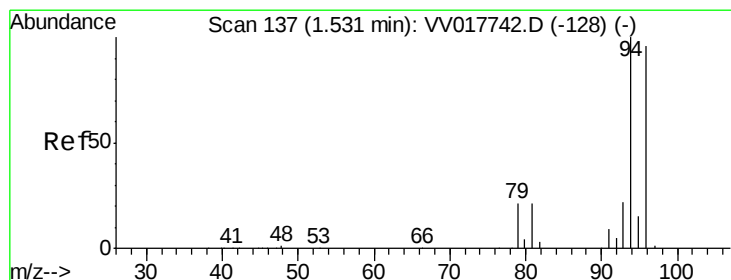
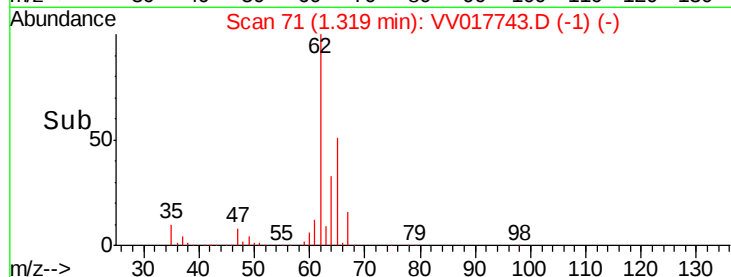
100000

50000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 85.636 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV017743.D

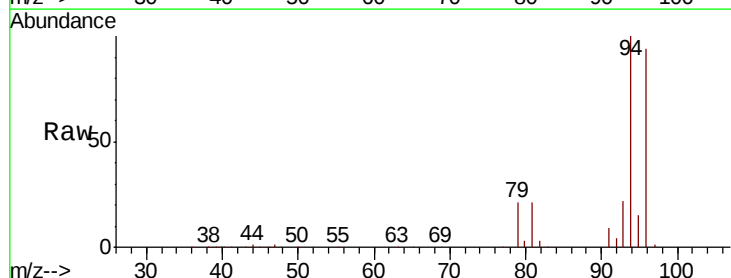
Acq: 30 Jul 2020 11:21

Tgt Ion: 94 Resp: 134035

Ion Ratio Lower Upper

94 100

96 94.4 66.9 124.3



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

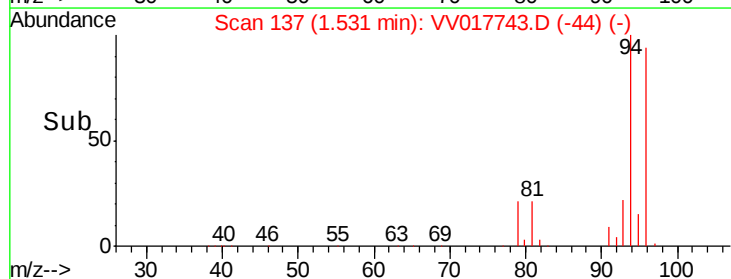
100000

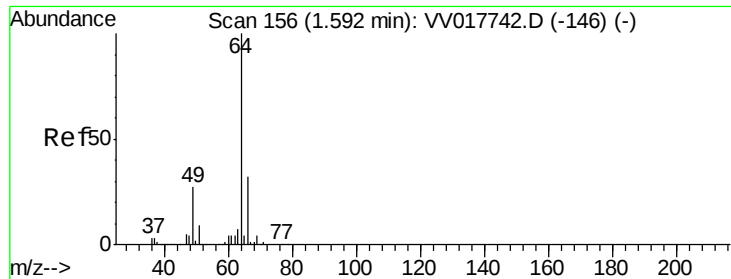
50000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 99.177 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

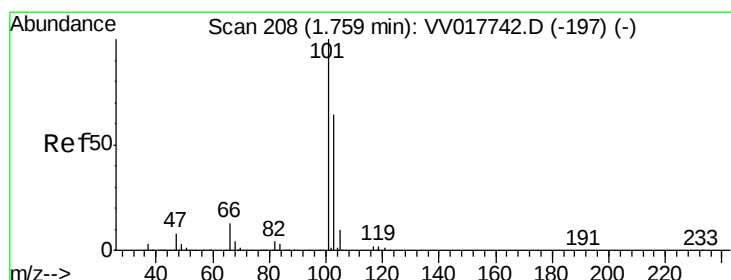
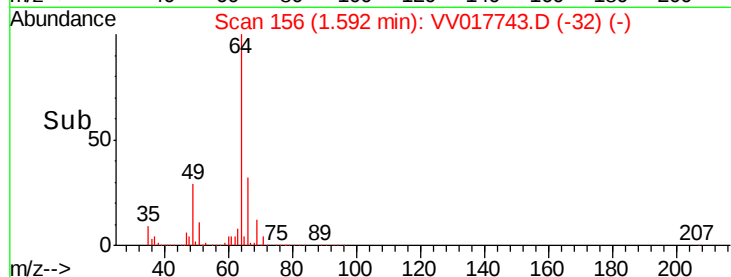
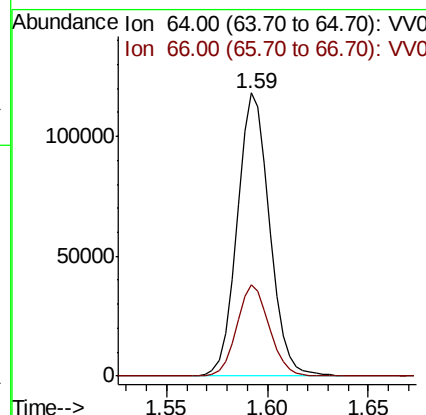
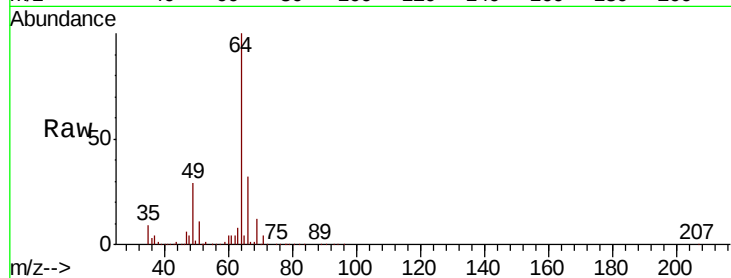
VSTD10064

Tot Ion: 64 Resp: 133022

Ion Ratio Lower Upper

64 100

66 32.1 22.3 41.3



#9

Trichlorofluoromethane

Concen: 101.444 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV017743.D

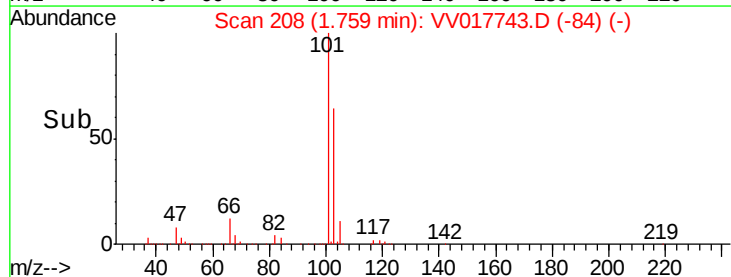
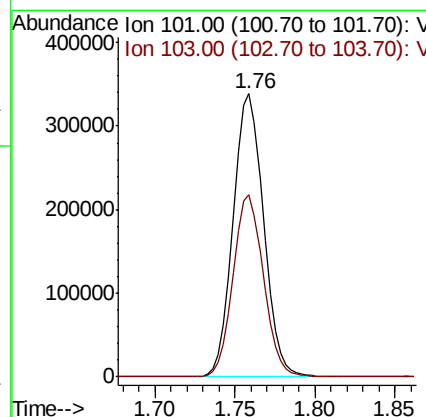
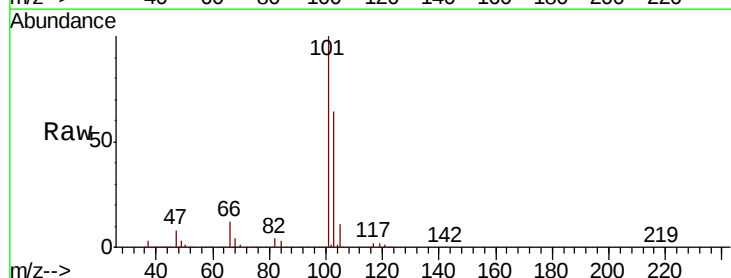
Acq: 30 Jul 2020 11:21

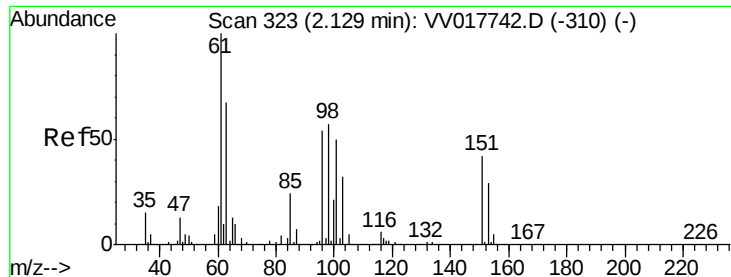
Tgt Ion: 101 Resp: 438680

Ion Ratio Lower Upper

101 100

103 64.2 51.6 77.4





#10

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

Concen: 95.795 ug/L

RT: 2.13 min Scan# 322

Delta R.T. -0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

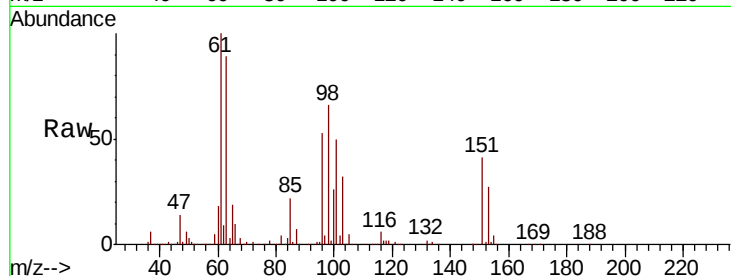
Tot Ion:101 Resp: 201621

Ion Ratio Lower Upper

101 100

85 44.5 37.2 55.8

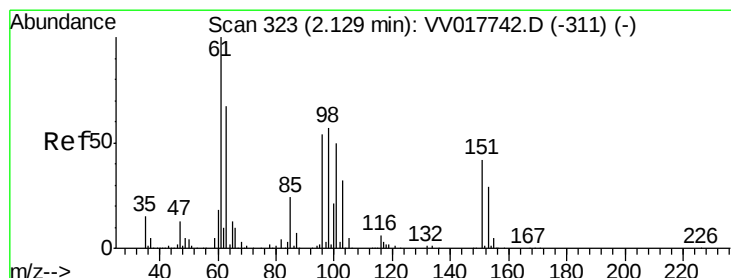
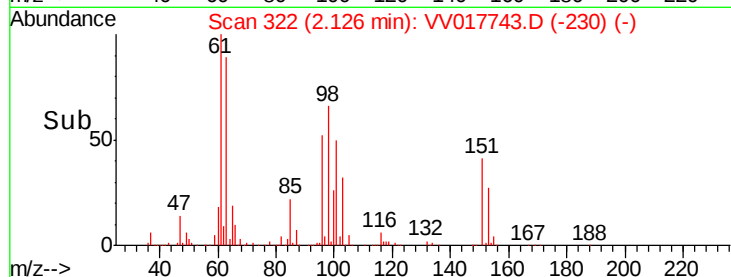
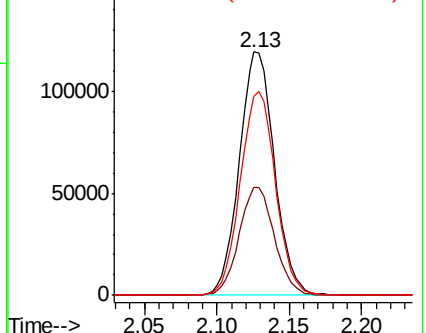
151 83.7 68.2 102.2



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 96.252 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

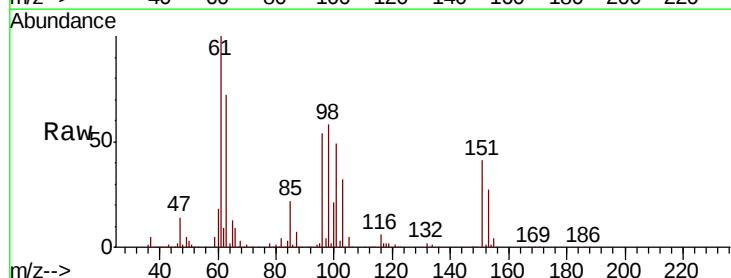
Tgt Ion: 96 Resp: 187618

Ion Ratio Lower Upper

96 100

61 185.0 131.0 243.2

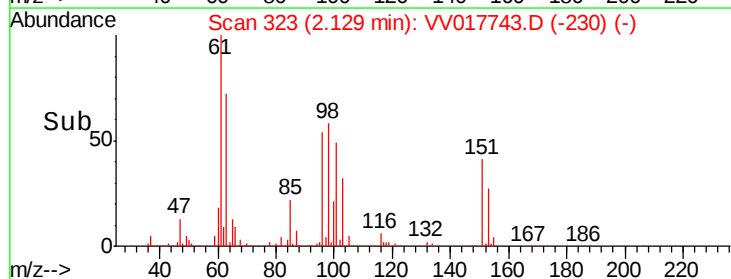
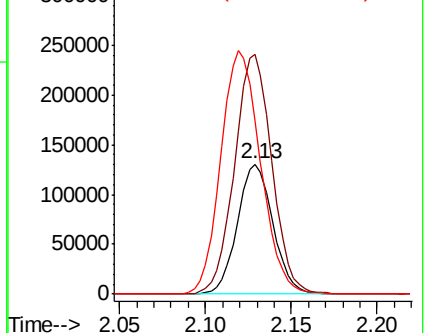
63 133.5 88.5 164.3

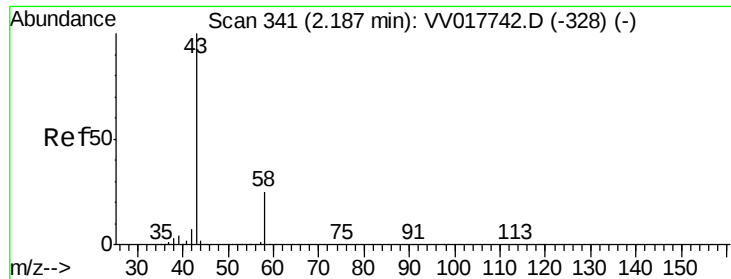


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 193.093 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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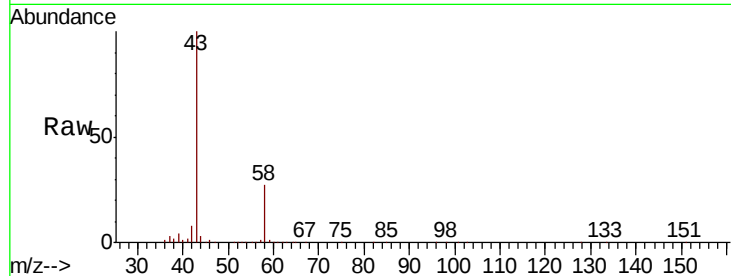
VSTD10064

Tot Ion: 43 Resp: 282794

Ion Ratio Lower Upper

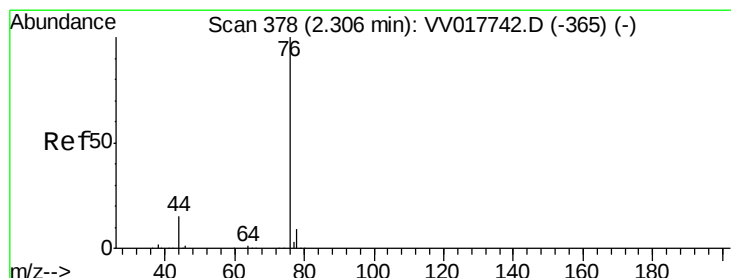
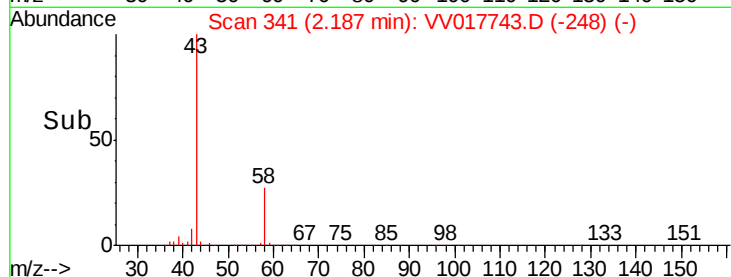
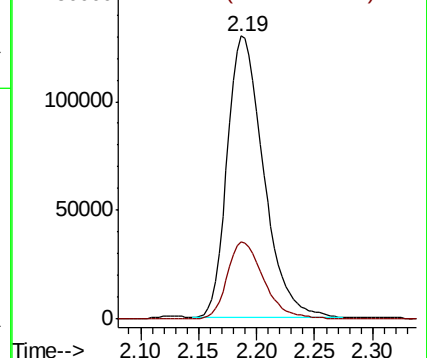
43 100

58 27.5 0.0 52.6



Abundance Ion 43.00 (42.70 to 43.70): VV017743.D (-248) (-)

Ion 58.00 (57.70 to 58.70): VV017743.D (-248) (-)



#14

Carbon disulfide

Concen: 86.106 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV017743.D

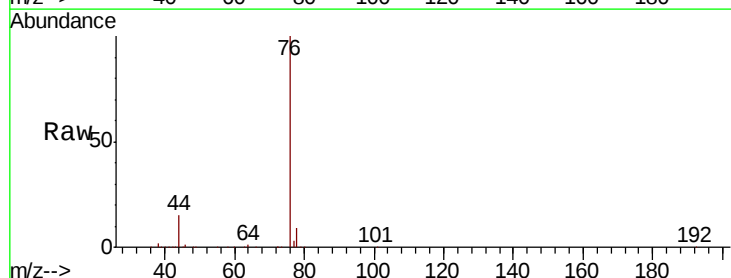
Acq: 30 Jul 2020 11:21

Tgt Ion: 76 Resp: 592776

Ion Ratio Lower Upper

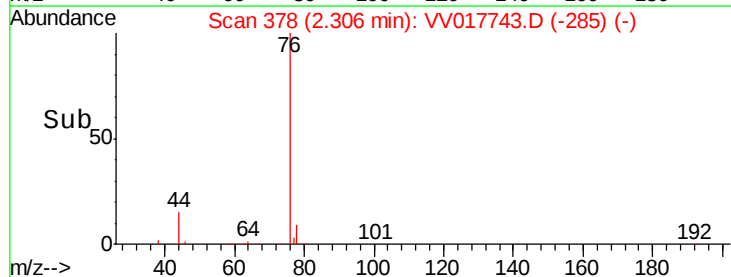
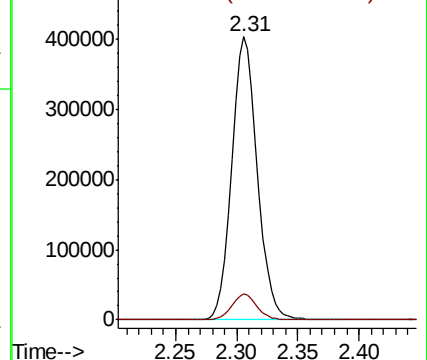
76 100

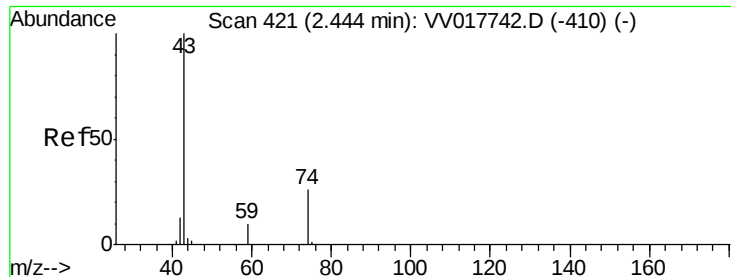
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV017743.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV017743.D (-285) (-)





#15

Methvl Acetate

Concen: 83.862 ug/L

RT: 2.44 min Scan# 421

Delta R.T. 0.00 min

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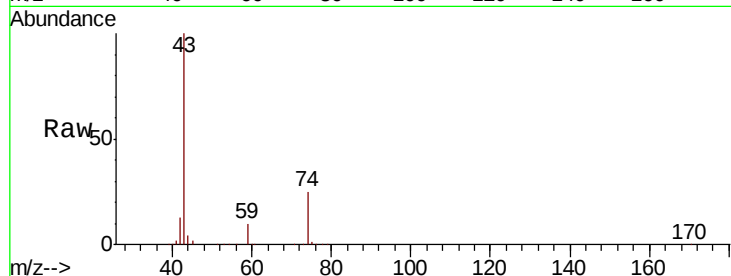
VSTD10064

Tot Ion: 43 Resp: 196206

Ion Ratio Lower Upper

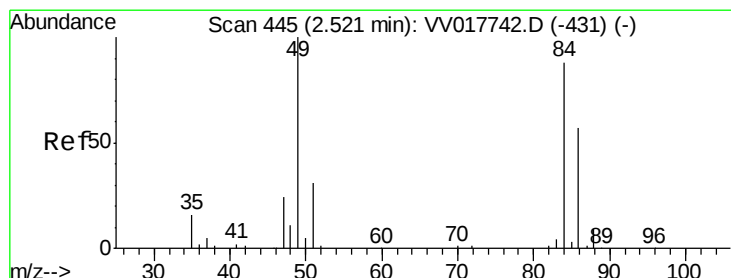
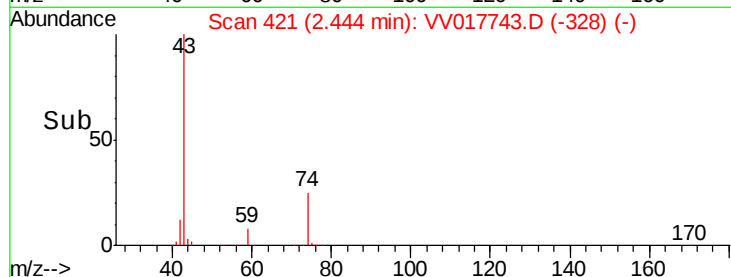
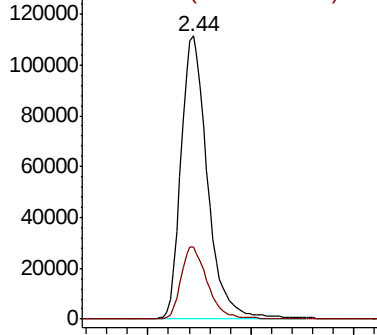
43 100

74 25.7 20.6 31.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 88.710 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

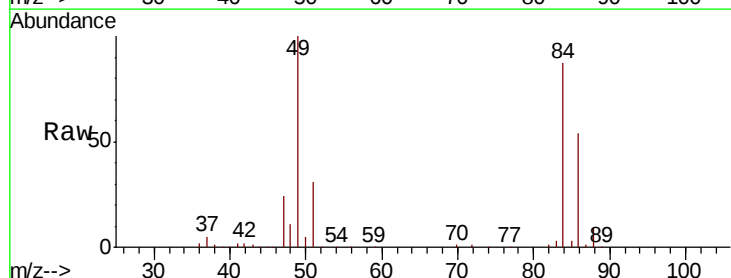
Tgt Ion: 84 Resp: 224161

Ion Ratio Lower Upper

84 100

86 62.7 45.4 84.4

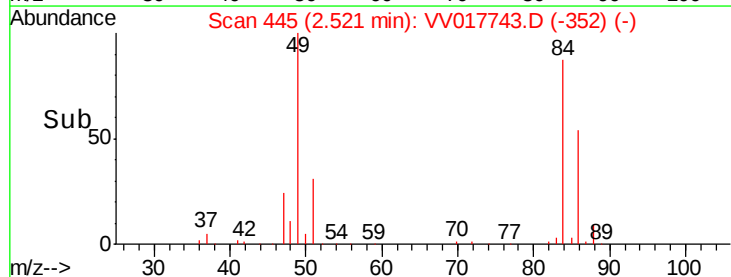
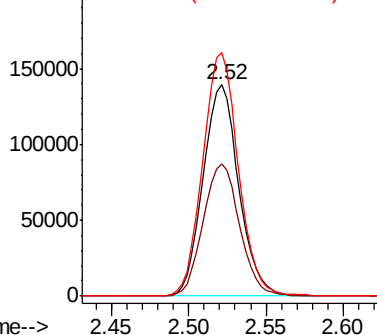
49 115.3 79.2 147.2

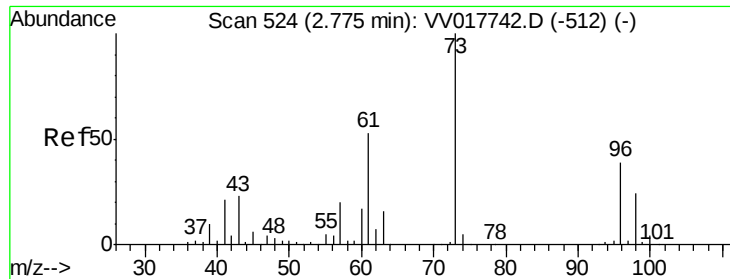


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 89.793 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

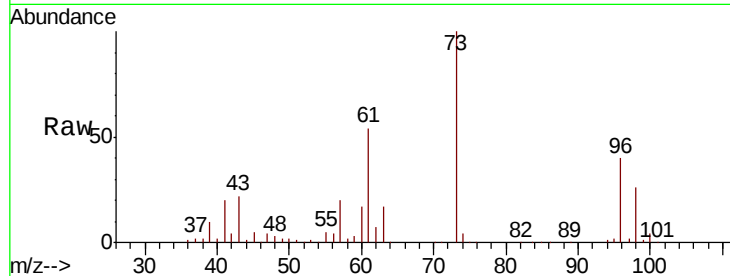
Tot Ion: 96 Resp: 215089

Ion Ratio Lower Upper

96 100

61 136.9 96.2 178.8

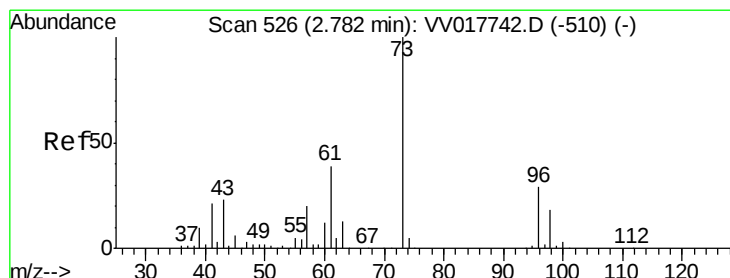
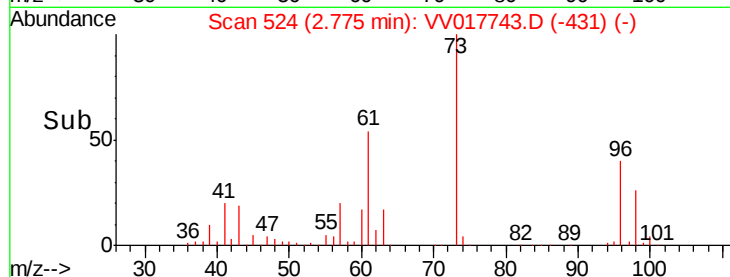
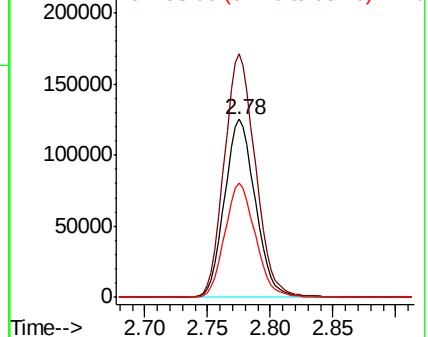
98 64.3 43.2 80.2



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: 92.994 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

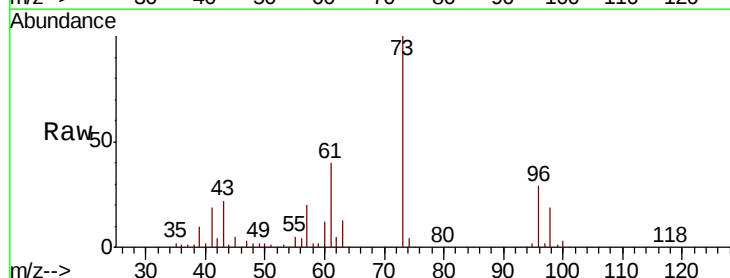
Tgt Ion: 73 Resp: 747028

Ion Ratio Lower Upper

73 100

43 22.1 18.1 27.1

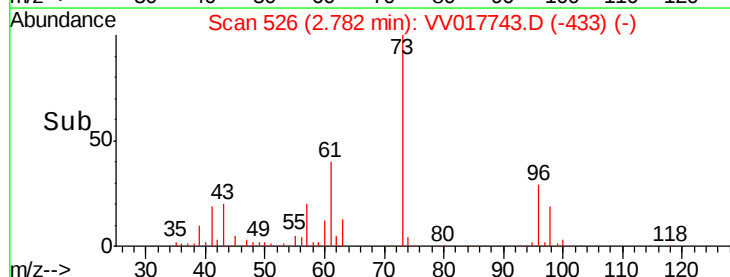
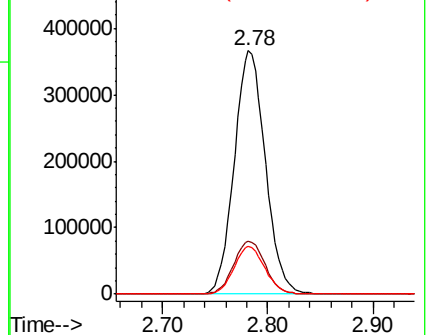
57 19.5 16.0 24.0

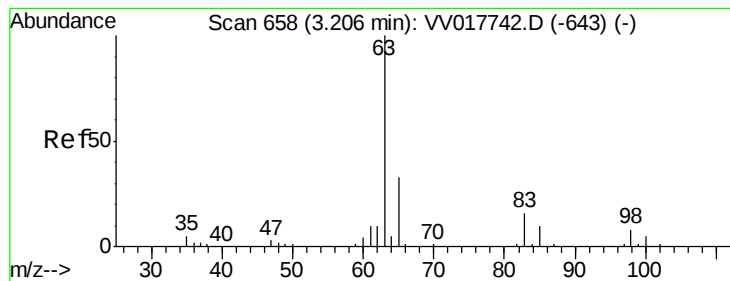


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0





#19

1,1-Dichloroethane

Concen: 88.639 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

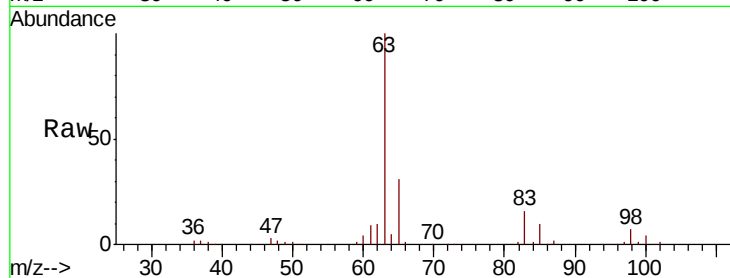
Tot Ion: 63 Resp: 380115

Ion Ratio Lower Upper

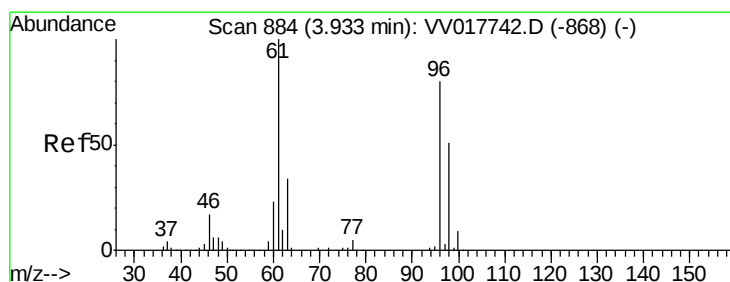
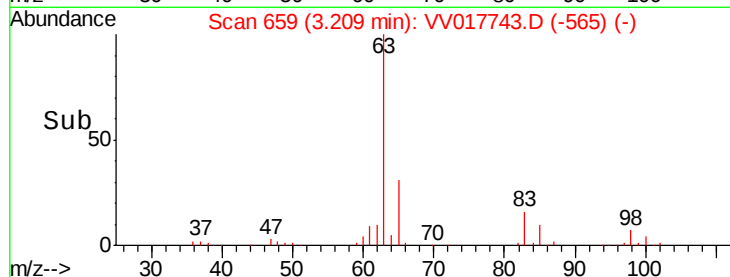
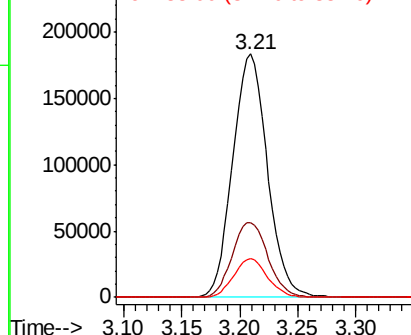
63 100

65 30.5 22.8 42.4

83 15.8 11.0 20.4



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: 91.268 ug/L

RT: 3.93 min Scan# 884

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

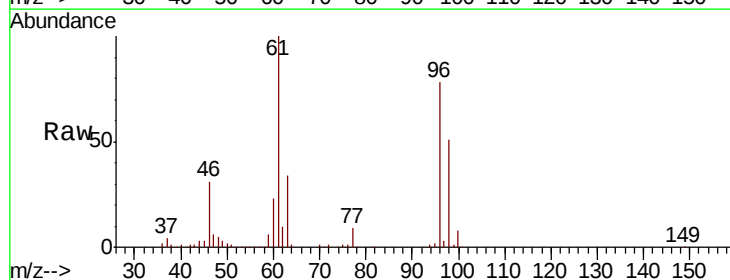
Tgt Ion: 96 Resp: 234429

Ion Ratio Lower Upper

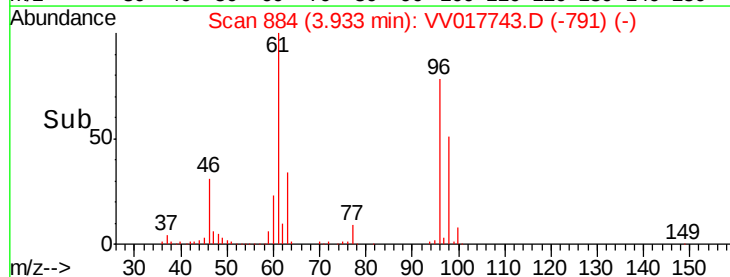
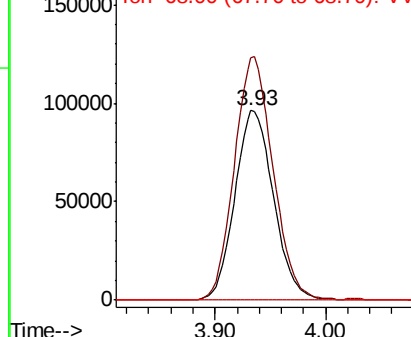
96 100

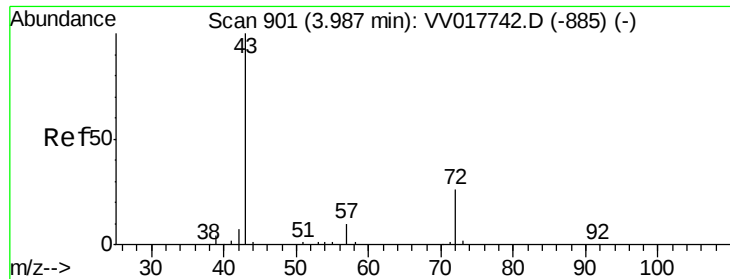
61 128.1 87.3 162.1

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: 182.197 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

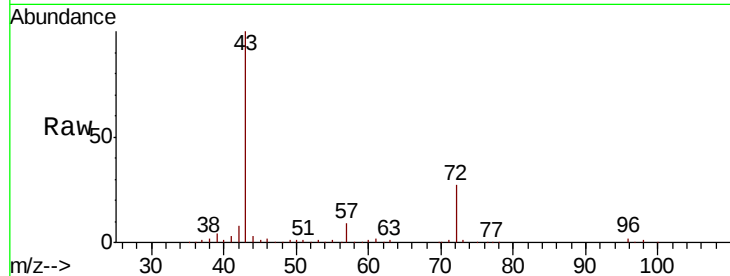
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tot Ion: 43 Resp: 314154

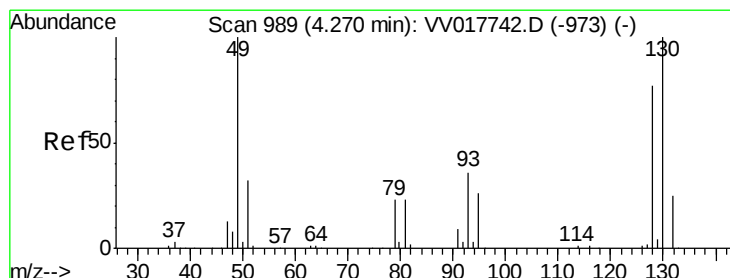
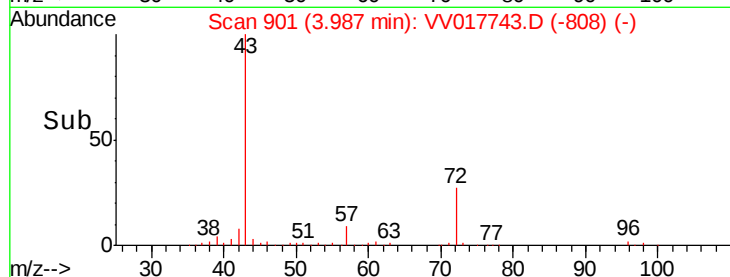
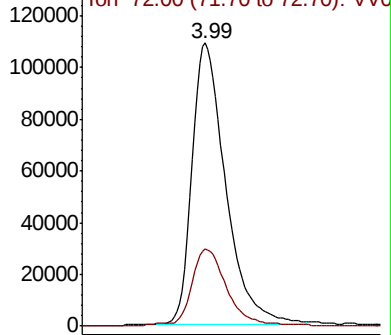
Ion Ratio Lower Upper

43 100

72 25.9 13.0 39.0



Abundance Ion 43.00 (42.70 to 43.70): VV017743.D (-896) (-)



#23

Bromochloromethane

Concen: 93.522 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Tgt Ion: 128 Resp: 133243

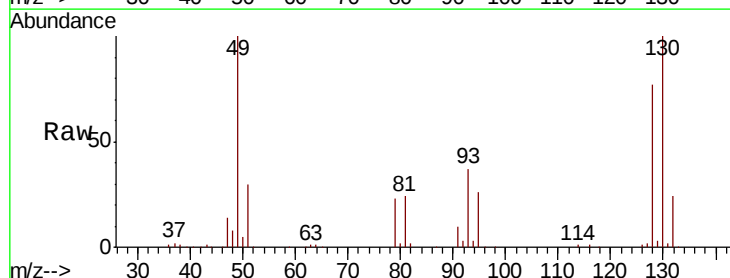
Ion Ratio Lower Upper

128 100

49 129.2 90.4 168.0

130 129.1 90.5 168.1

51 38.3 32.7 49.1



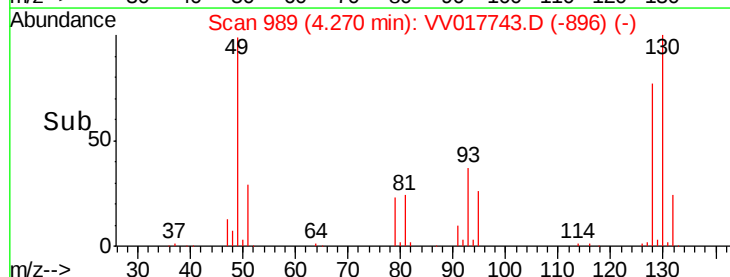
Abundance Ion 128.00 (127.70 to 128.70): VV017743.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV017743.D (-896) (-)

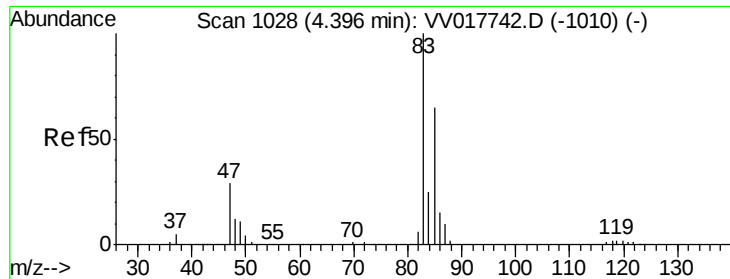
Ion 130.00 (129.70 to 130.70): VV017743.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV017743.D (-896) (-)

Time-->



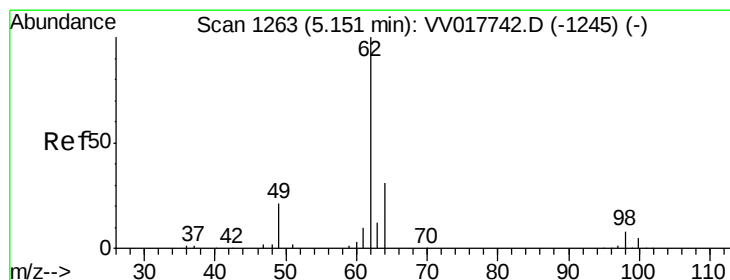
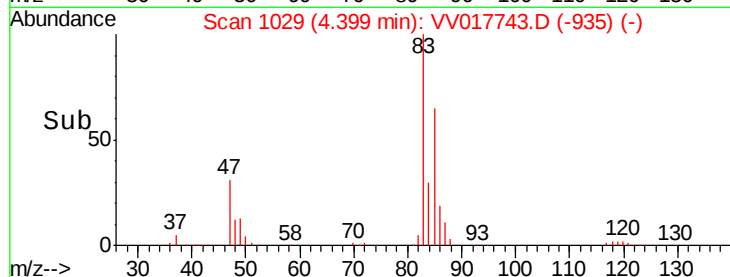
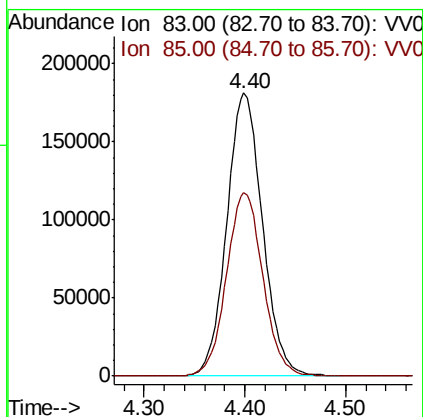
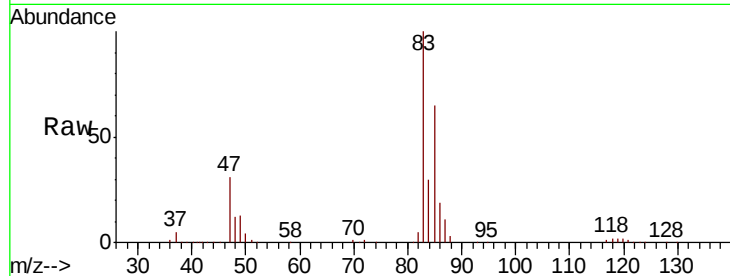
Time-->



#25
Chloroform
Concen: 95.299 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

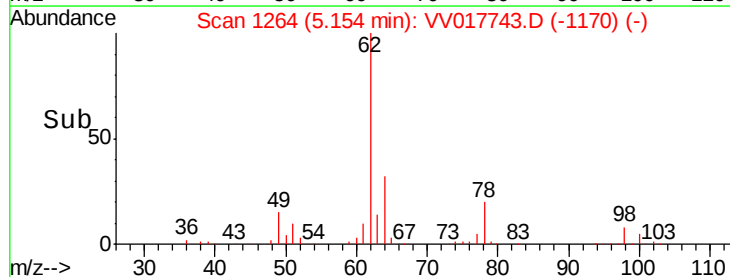
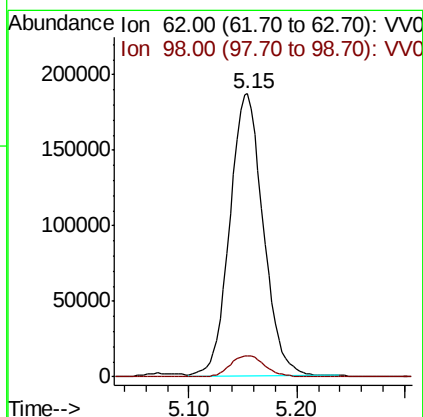
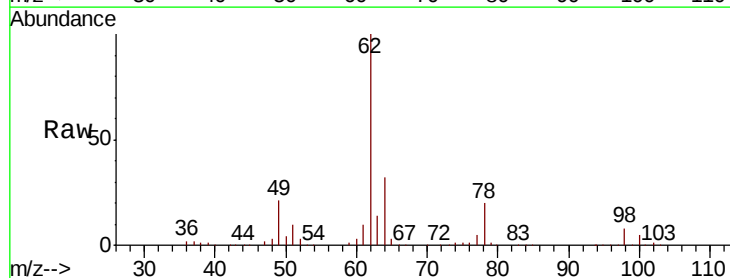
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

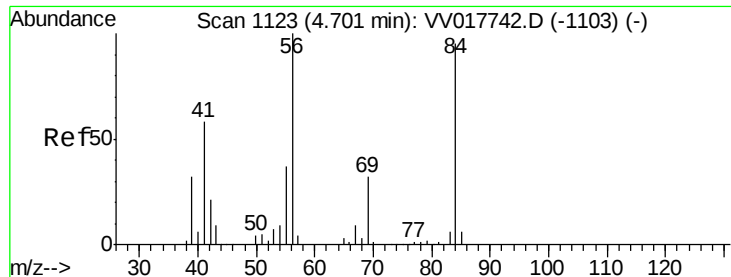
Tot Ion: 83 Resp: 446761
Ion Ratio Lower Upper
83 100
85 64.7 45.7 84.9



#27
1,2-Dichloroethane
Concen: 99.615 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

Tgt Ion: 62 Resp: 404009
Ion Ratio Lower Upper
62 100
98 7.6 6.0 9.0

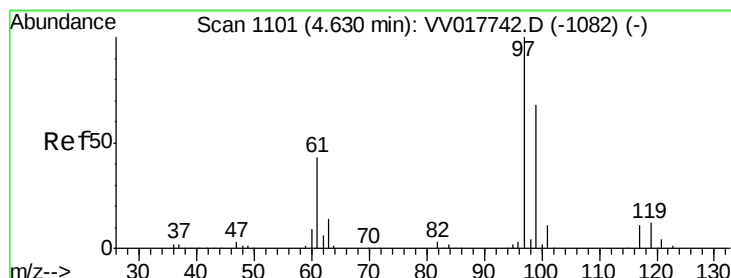
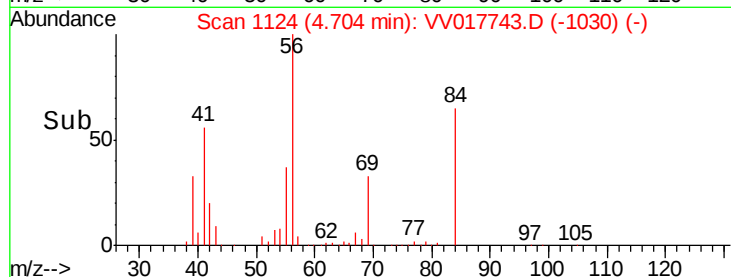
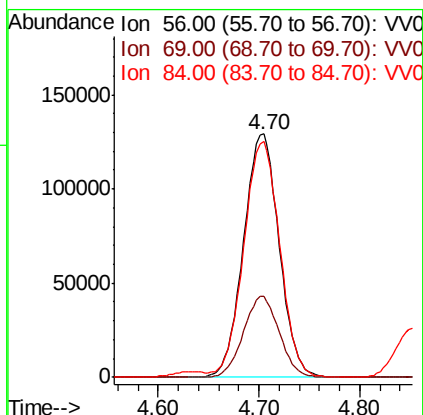
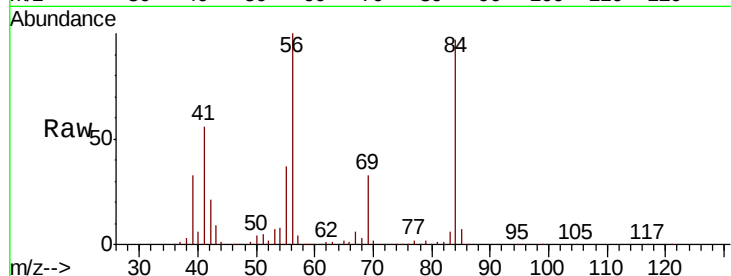




#29
Cvclohexane
Concen: 83.041 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

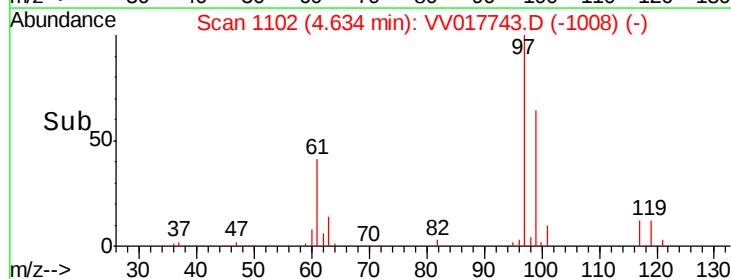
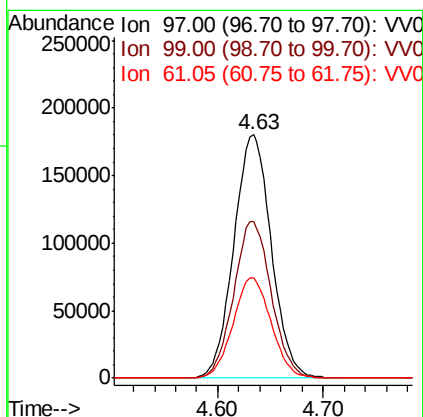
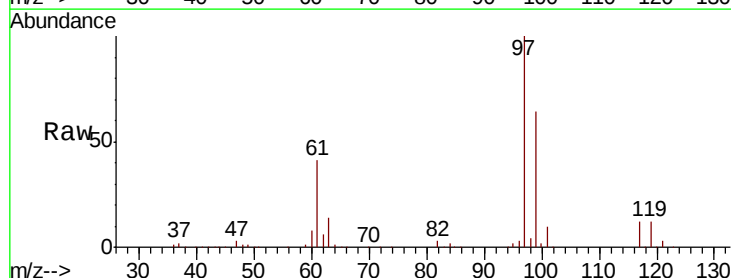
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

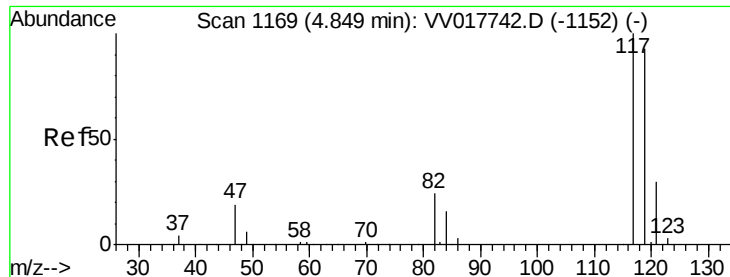
Tot Ion: 56 Resp: 316395
Ion Ratio Lower Upper
56 100
69 33.4 26.1 39.1
84 97.9 76.6 114.8



#30
1,1,1-Trichloroethane
Concen: 98.511 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

Tgt Ion: 97 Resp: 445002
Ion Ratio Lower Upper
97 100
99 64.5 52.0 78.0
61 42.0 34.1 51.1



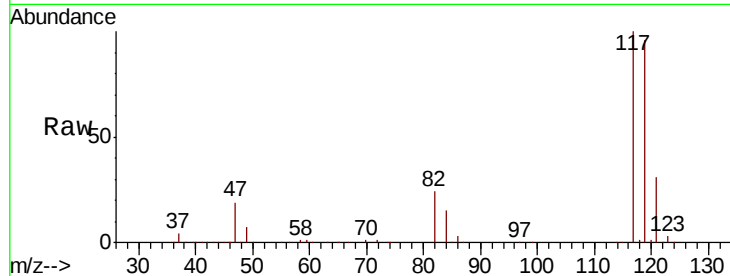


#31

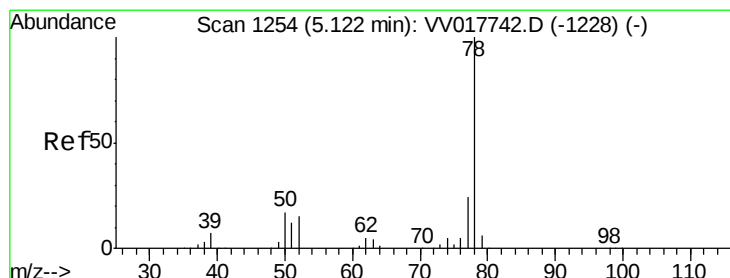
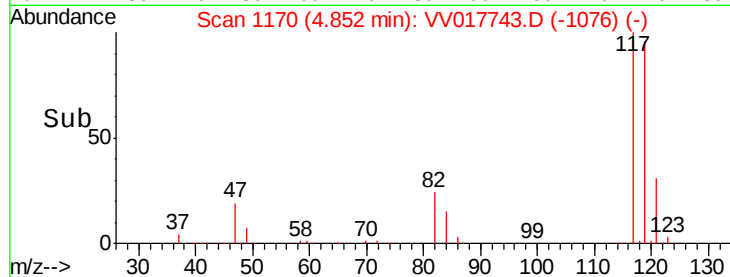
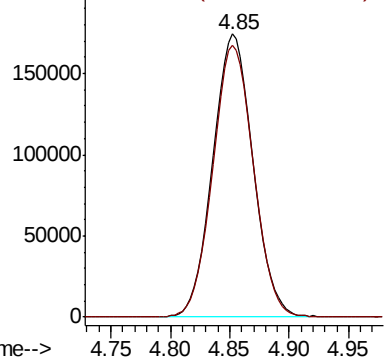
Carbon tetrachloride
 Concen: 99.547 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tot Ion:117 Resp: 408465
 Ion Ratio Lower Upper
 117 100
 119 97.1 77.6 116.4



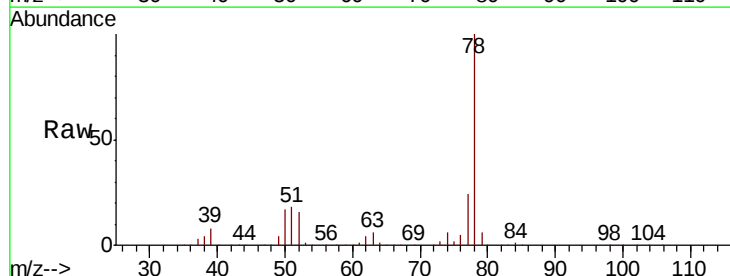
Abundance Ion 117.00 (116.70 to 117.70): V
 Ion 119.00 (118.70 to 119.70): V



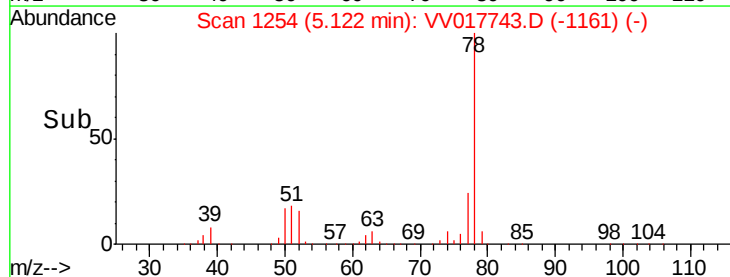
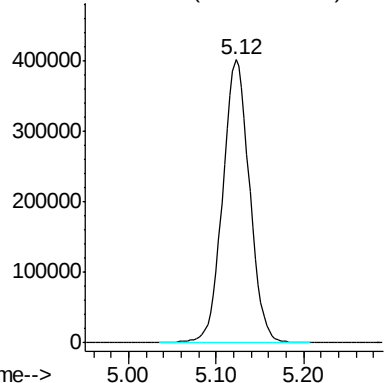
#33

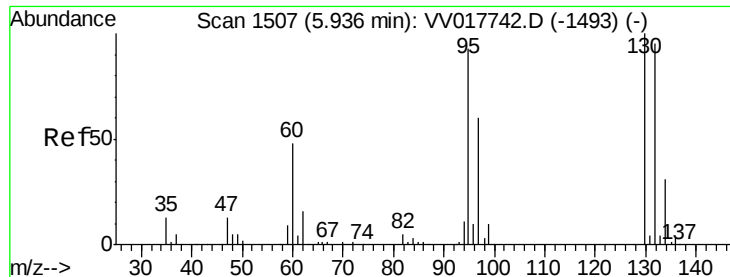
Benzene
 Concen: 90.427 ug/L
 RT: 5.12 min Scan# 1254
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Tgt Ion: 78 Resp: 854637



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 92.036 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

Tot Ion: 95 Resp: 241046

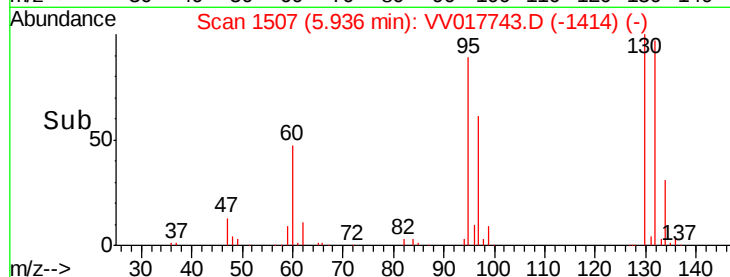
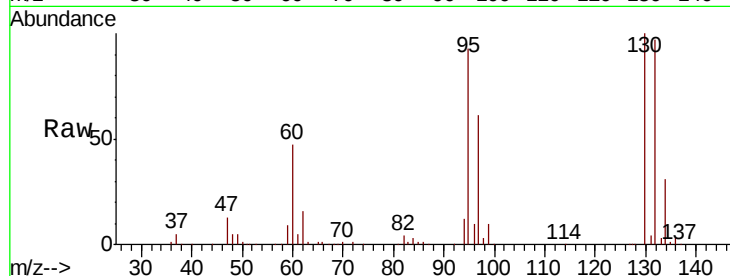
Ion Ratio Lower Upper

95 100

97 65.6 45.3 84.1

132 104.5 71.4 132.6

130 107.4 75.3 139.9

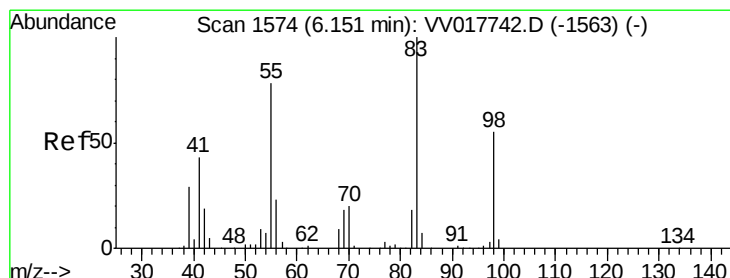
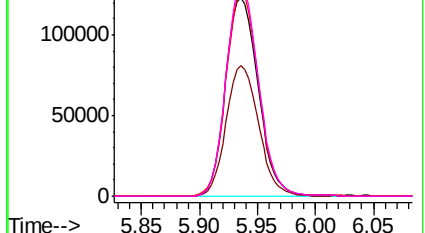


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 89.769 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

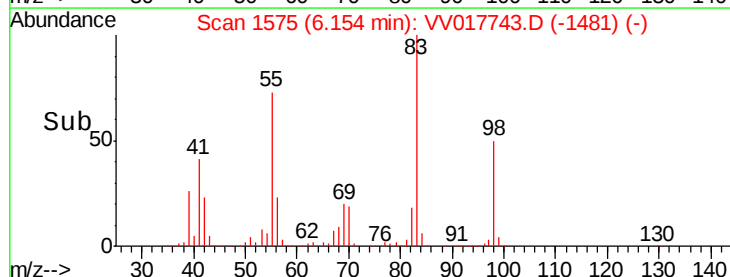
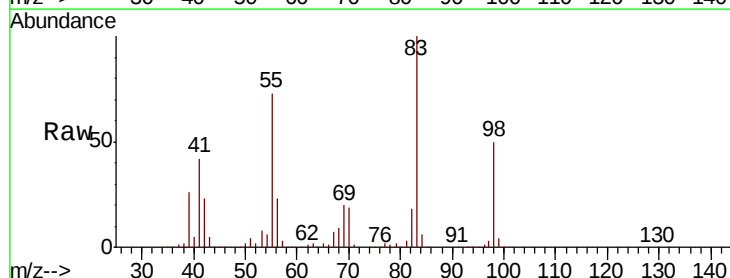
Tgt Ion: 83 Resp: 362482

Ion Ratio Lower Upper

83 100

55 74.3 59.4 89.2

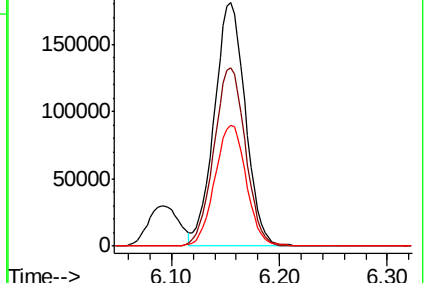
98 50.5 41.2 61.8

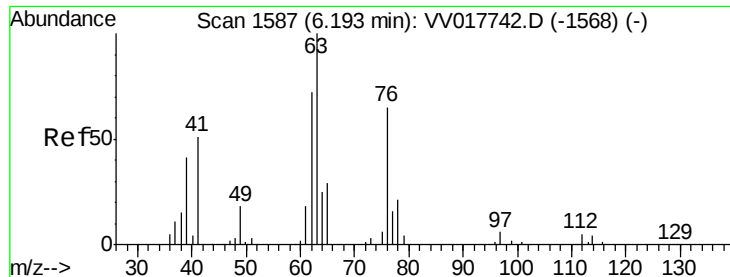


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

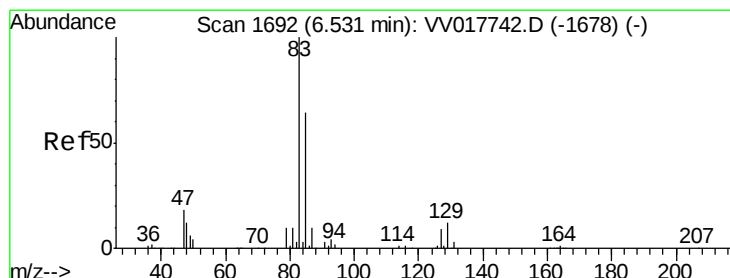
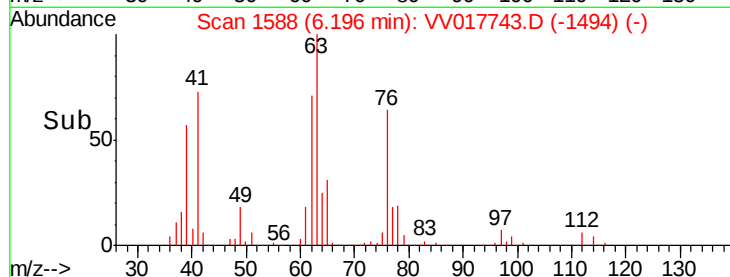
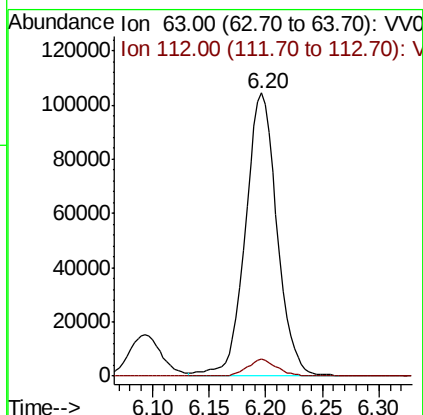
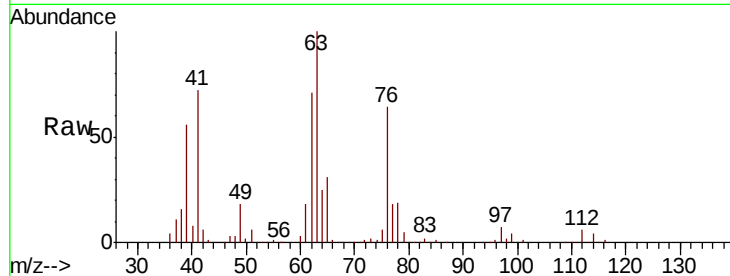




#37
 1,2-Dichloropropane
 Concen: 84.824 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

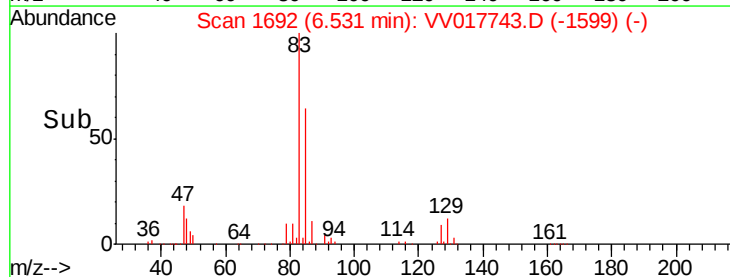
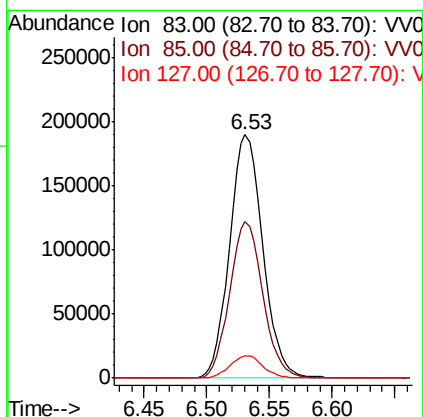
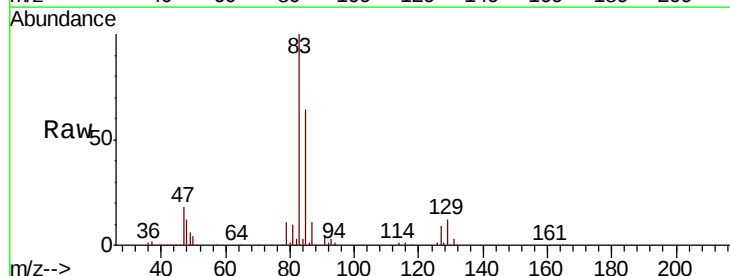
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

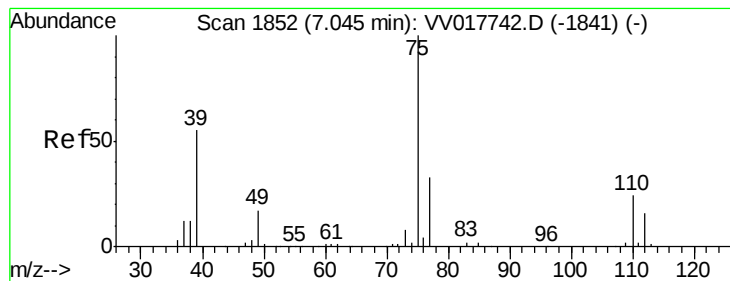
Tot Ion: 63 Resp: 201630
 Ion Ratio Lower Upper
 63 100
 112 5.5 4.6 6.8



#38
 Bromodichloromethane
 Concen: 97.029 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Tgt Ion: 83 Resp: 350356
 Ion Ratio Lower Upper
 83 100
 85 64.1 44.8 83.2
 127 9.2 7.4 11.0



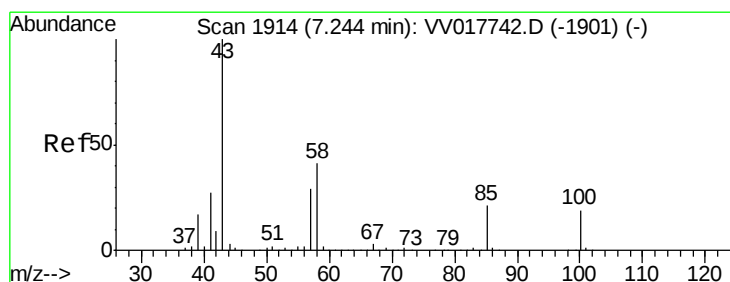
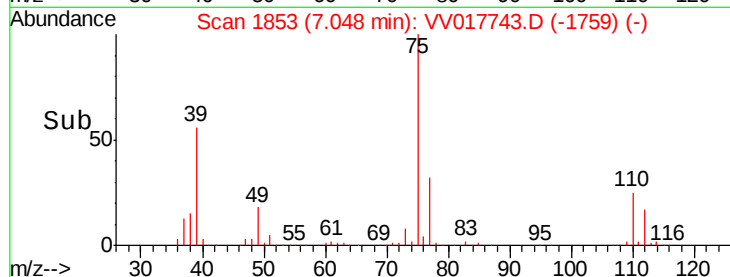
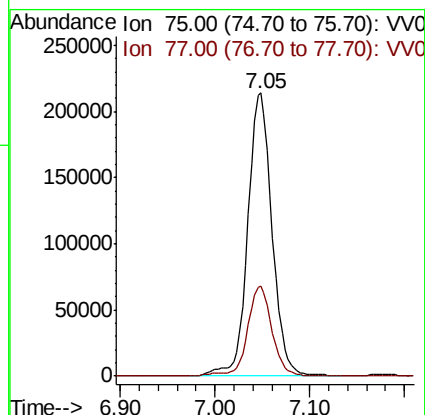
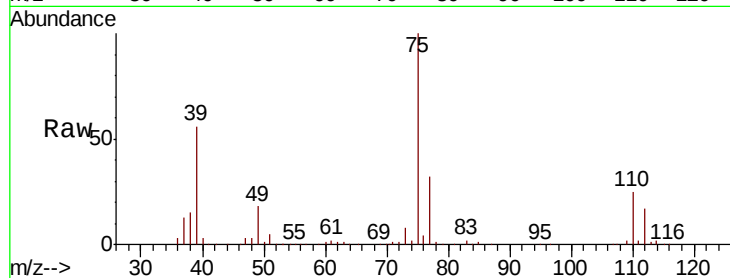


#39

cis-1,3-Dichloropropene
 Concen: 94.949 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

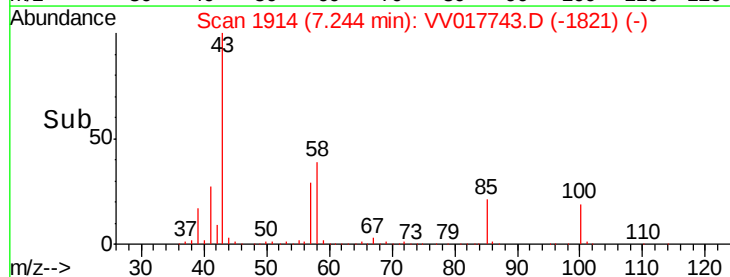
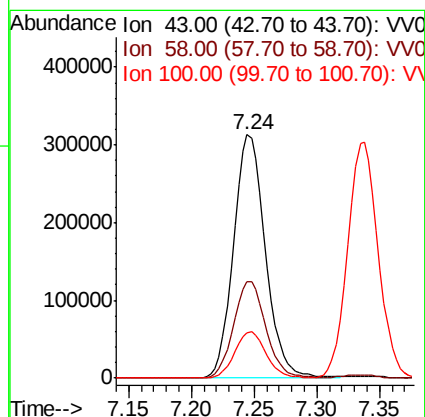
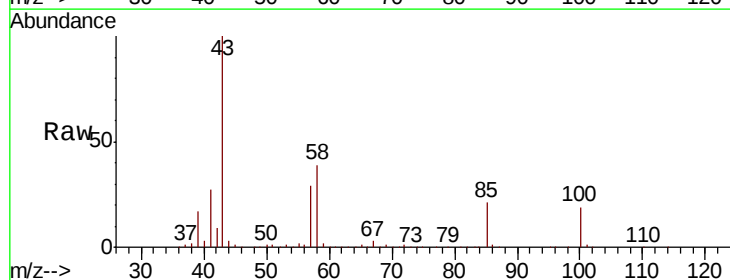
Tot Ion: 75 Resp: 382167
 Ion Ratio Lower Upper
 75 100
 77 31.9 23.2 43.0

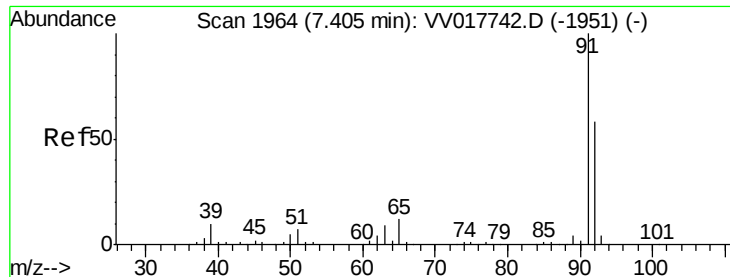


#40

4-Methyl-2-pentanone
 Concen: 169.827 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Tgt Ion: 43 Resp: 552322
 Ion Ratio Lower Upper
 43 100
 58 40.1 32.4 48.6
 100 18.8 14.9 22.3





#42

Toluene

Concen: 91.745 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

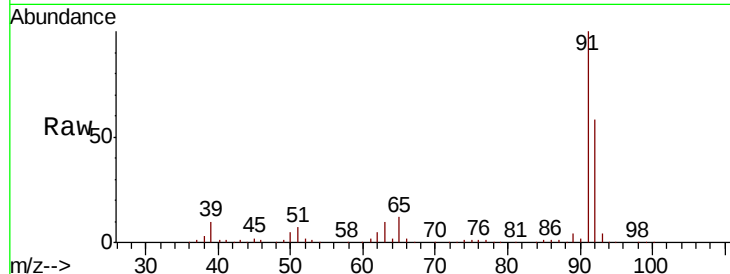
VSTD10064

Tot Ion: 91 Resp: 956759

Ion Ratio Lower Upper

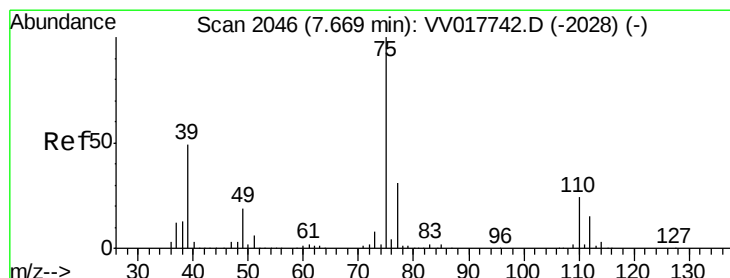
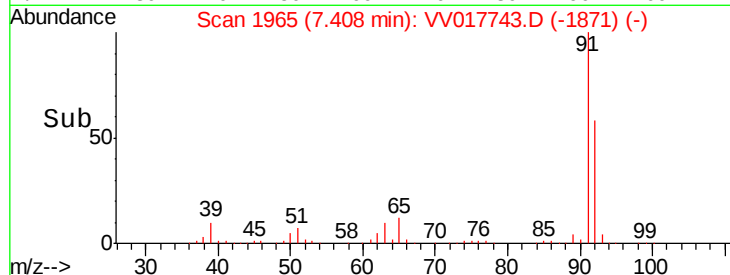
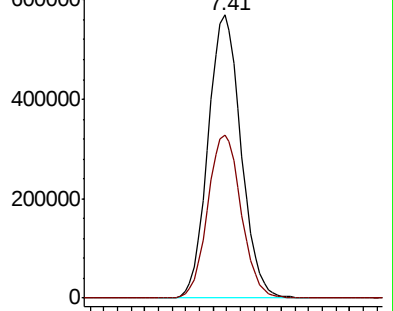
91 100

92 57.7 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 98.013 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV017743.D

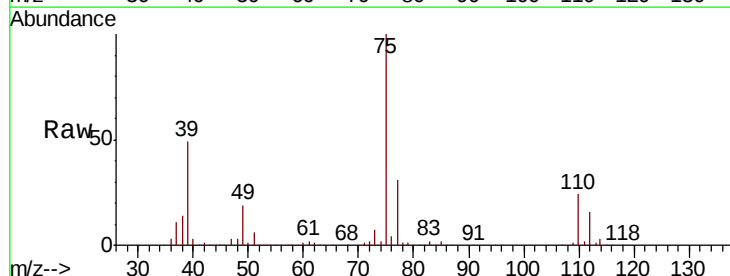
Acq: 30 Jul 2020 11:21

Tgt Ion: 75 Resp: 398873

Ion Ratio Lower Upper

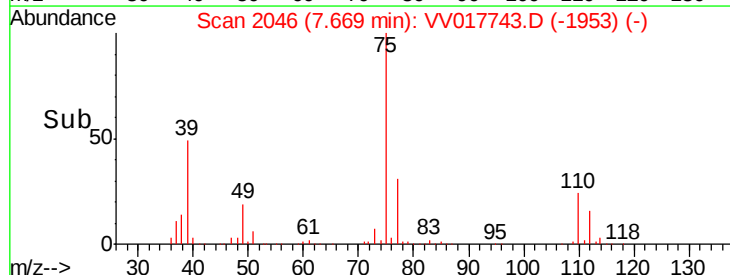
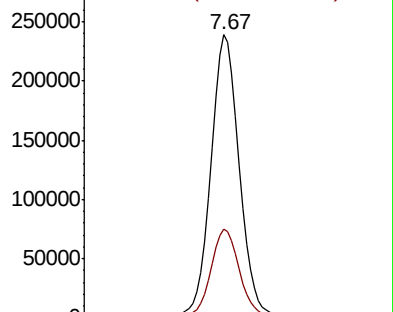
75 100

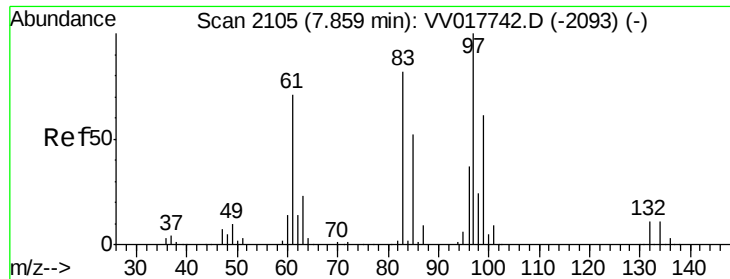
77 31.3 21.8 40.6



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

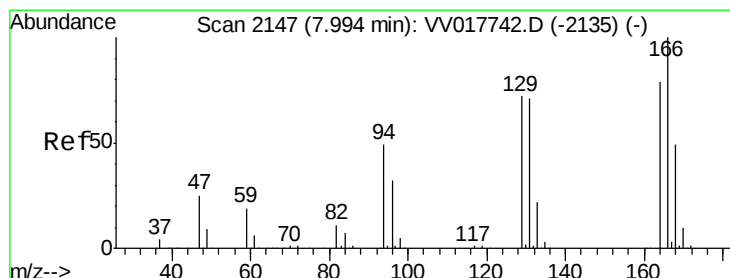
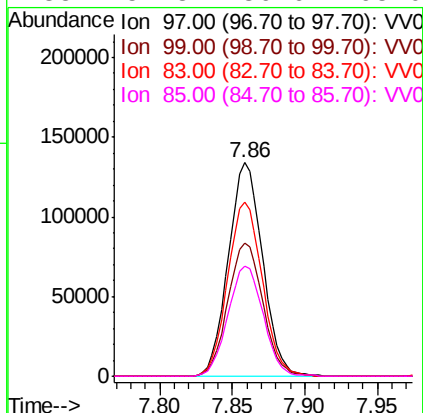
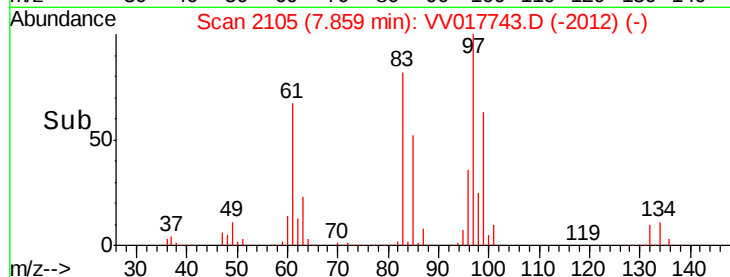
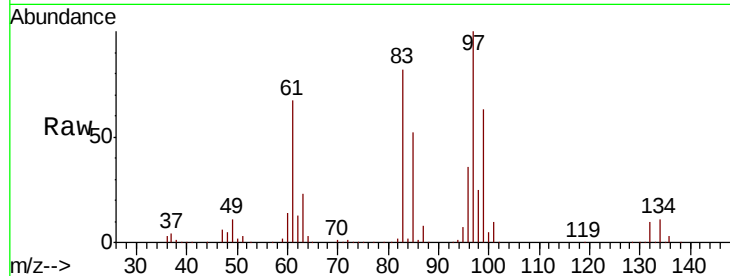




#45
1,1,2-Trichloroethane
Concen: 90.135 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

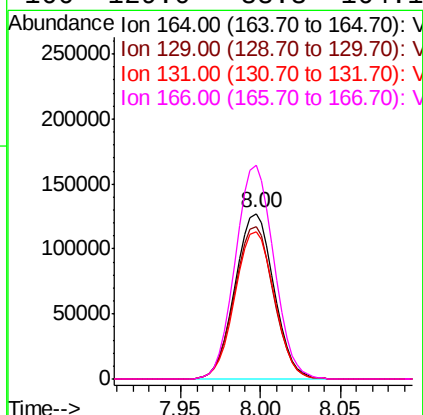
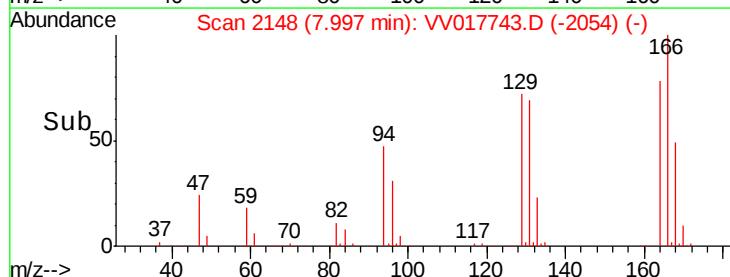
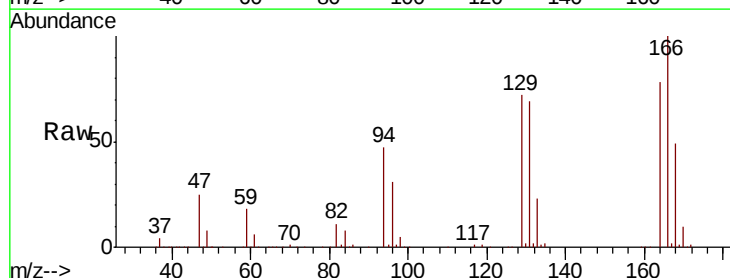
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

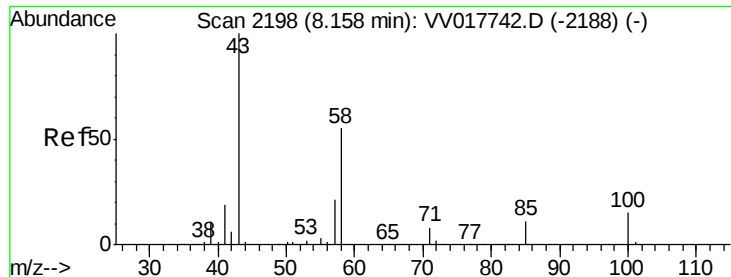
Tot Ion:	97	Resp:	219801
Ion	Ratio	Lower	Upper
97	100		
99	62.5	43.0	80.0
83	81.6	57.3	106.5
85	51.8	36.6	68.0



#46
Tetrachloroethene
Concen: 94.263 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

Tgt Ion:	164	Resp:	210763
Ion	Ratio	Lower	Upper
164	100		
129	92.4	63.9	118.7
131	89.1	62.6	116.3
166	129.0	88.3	164.1

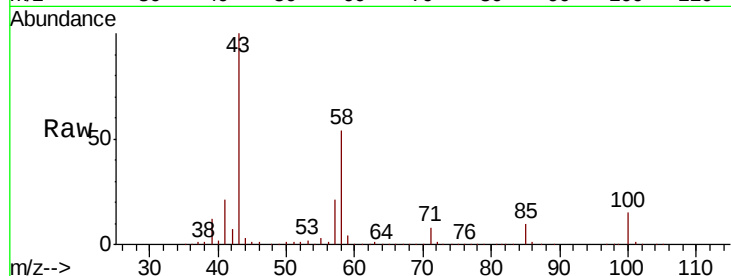




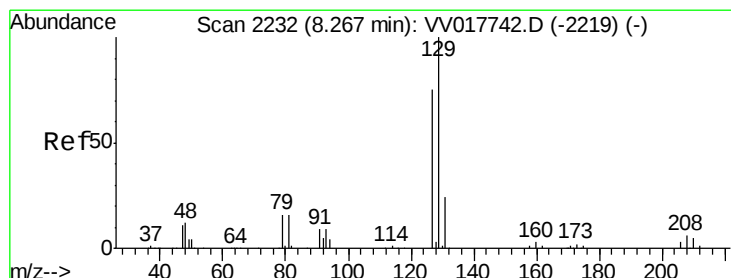
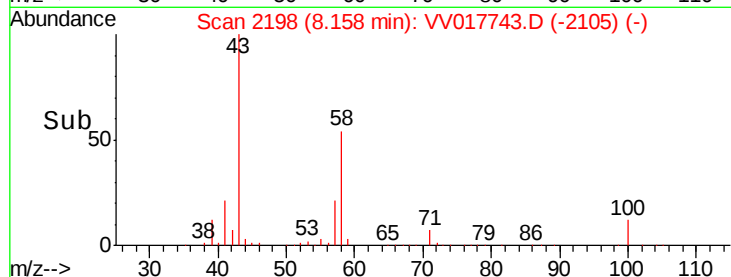
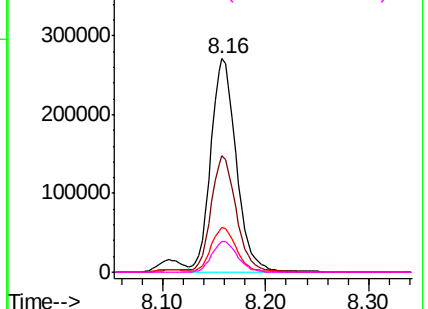
#48
2-Hexanone
Concen: 177.657 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tot Ion: 43 Resp: 463990
Ion Ratio Lower Upper
43 100
58 53.2 42.8 64.2
57 21.3 16.6 24.8
100 14.4 11.6 17.4

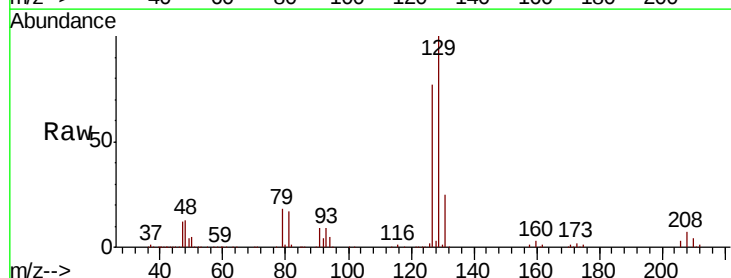


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

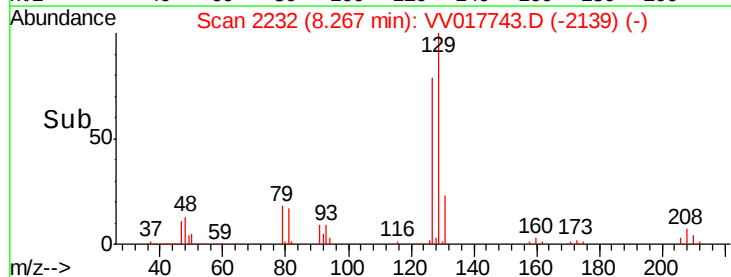
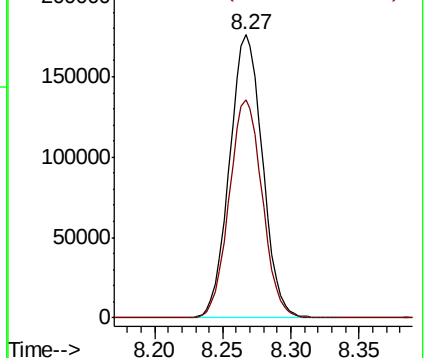


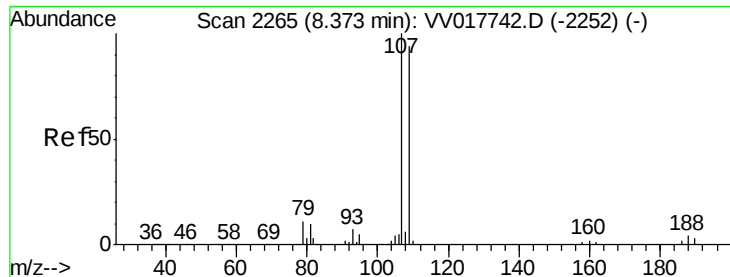
#49
Dibromochloromethane
Concen: 97.803 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV017743.D
Acq: 30 Jul 2020 11:21

Tgt Ion: 129 Resp: 295895
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

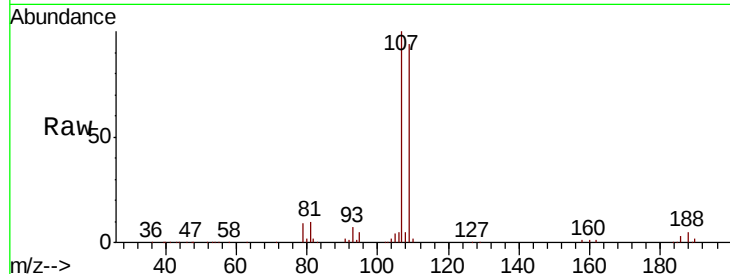




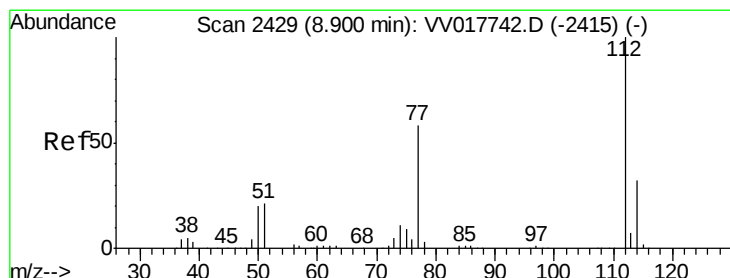
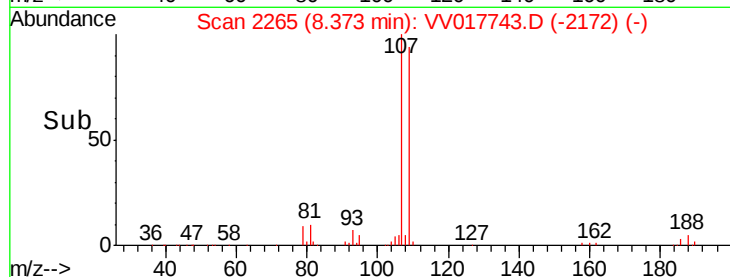
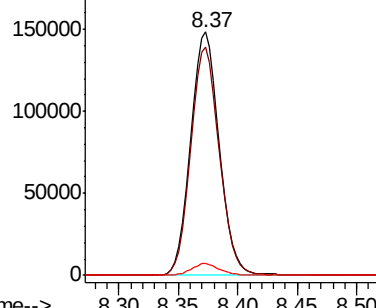
#50
 1,2-Dibromoethane
 Concen: 93.294 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tot Ion	Ratio	Lower	Upper
107	100		
109	93.8	65.5	121.7
188	4.8	3.6	5.4

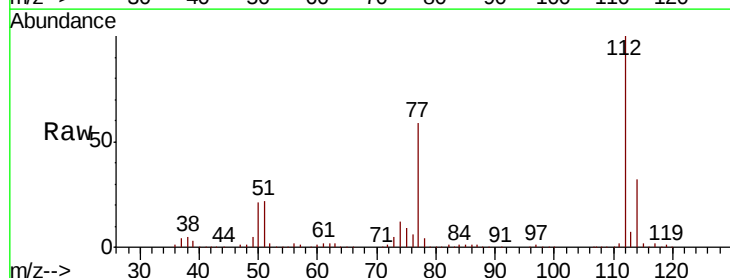


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

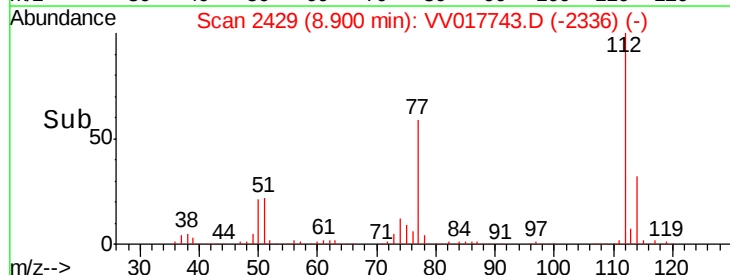
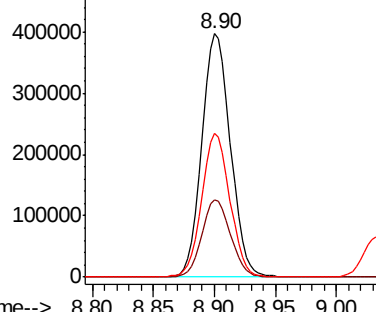


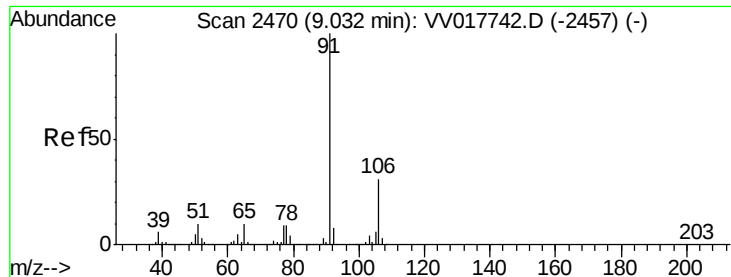
#51
 Chlorobenzene
 Concen: 93.395 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.9	22.7	42.1
77	59.3	46.6	70.0



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 95.742 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

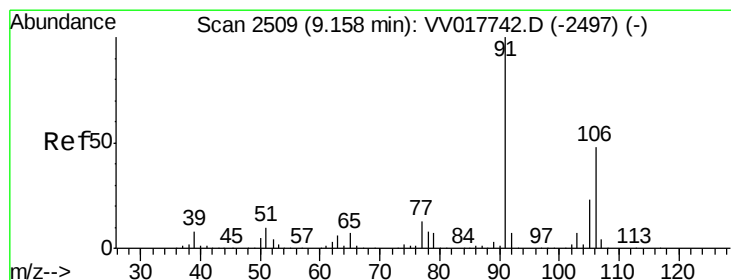
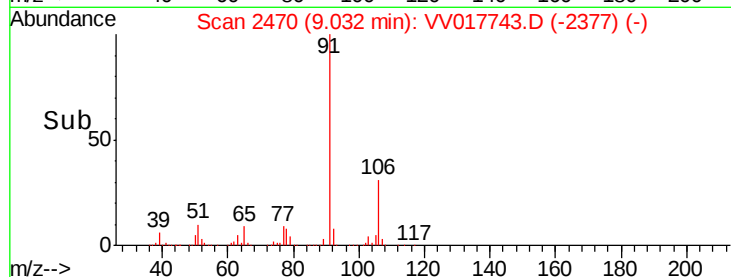
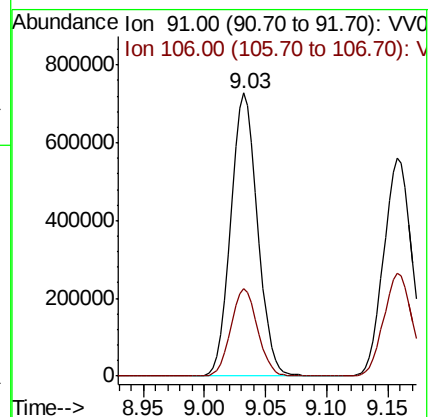
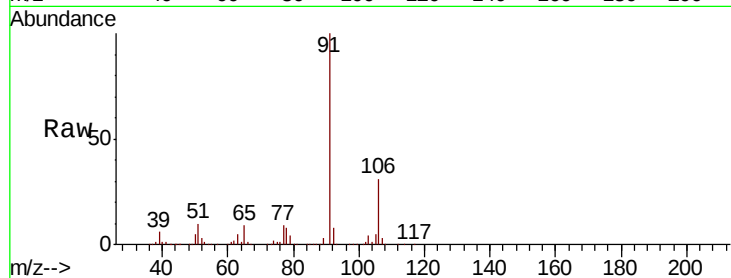
VSTD10064

Tot Ion: 91 Resp: 1121160

Ion Ratio Lower Upper

91 100

106 30.9 21.5 39.9



#53

m,p-Xylene

Concen: 94.730 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV017743.D

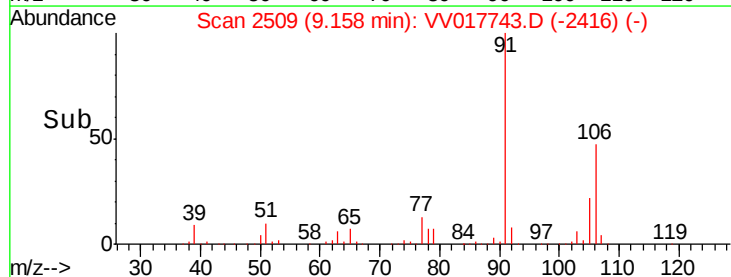
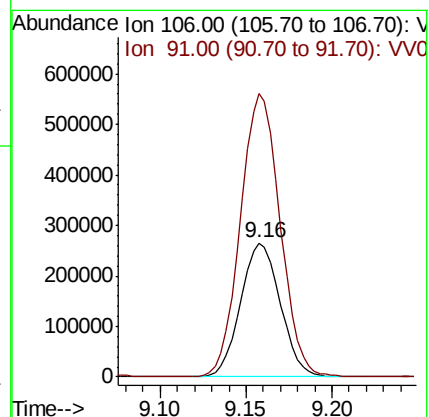
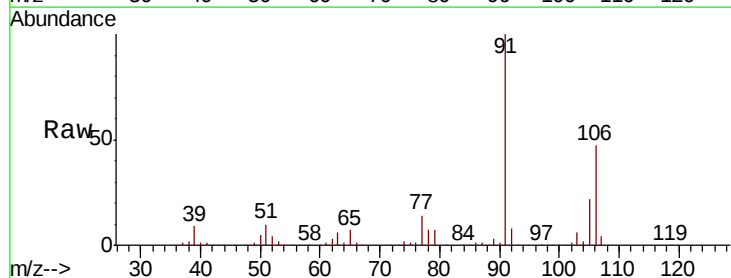
Acq: 30 Jul 2020 11:21

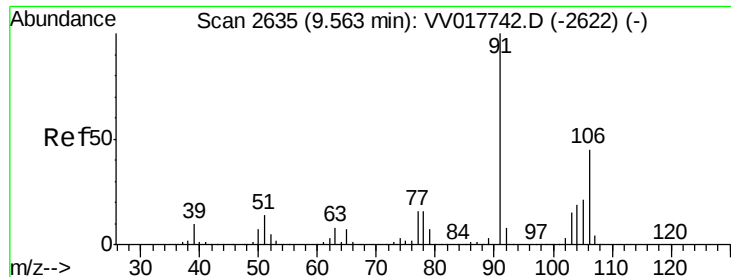
Tgt Ion: 106 Resp: 424531

Ion Ratio Lower Upper

106 100

91 210.9 145.8 270.8





#54

o-xylene

Concen: 96.911 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

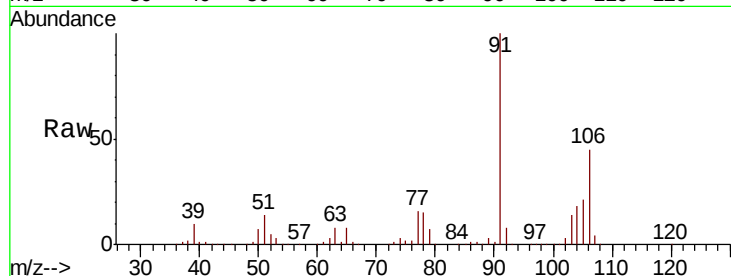
Instrument :
MSVOA_V
ClientSampleId :
VSTD10064

Tot Ion:106 Resp: 421742

Ion Ratio Lower Upper

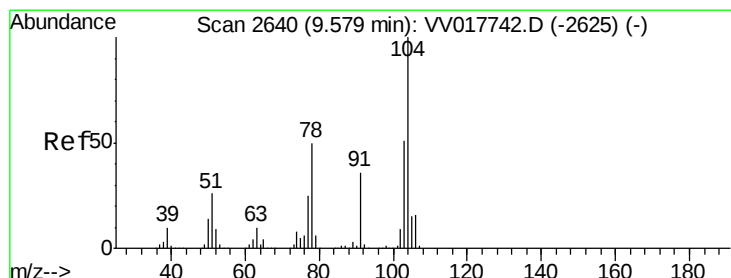
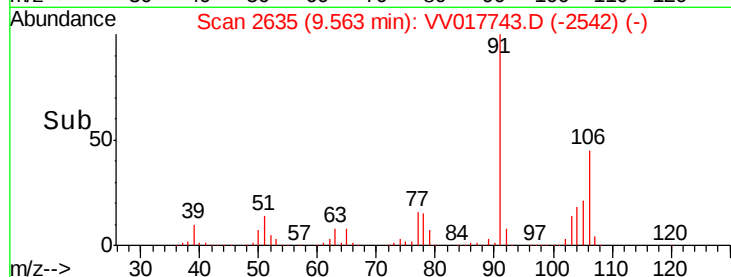
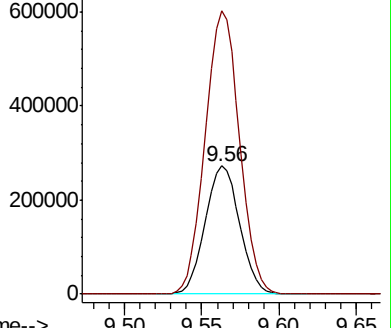
106 100

91 221.2 156.4 290.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 99.393 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV017743.D

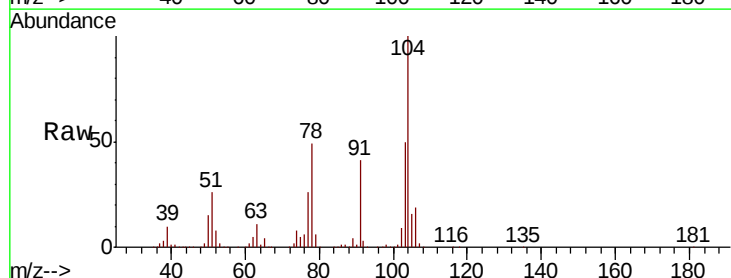
Acq: 30 Jul 2020 11:21

Tgt Ion:104 Resp: 737817

Ion Ratio Lower Upper

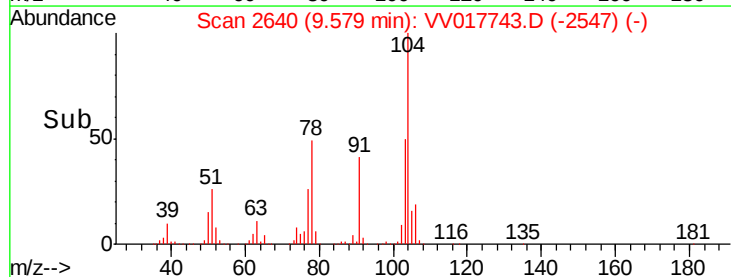
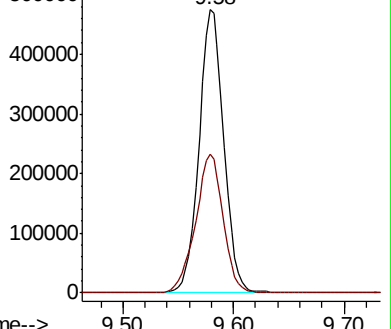
104 100

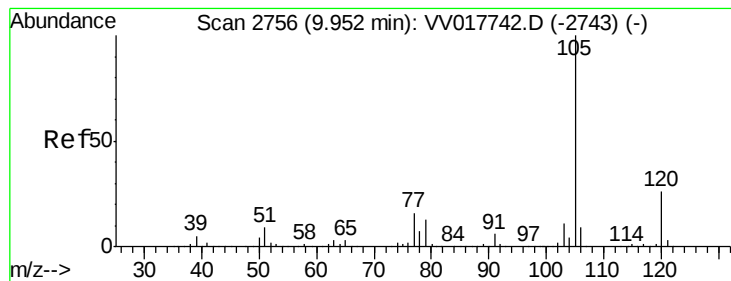
78 48.9 34.9 64.7



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 97.978 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

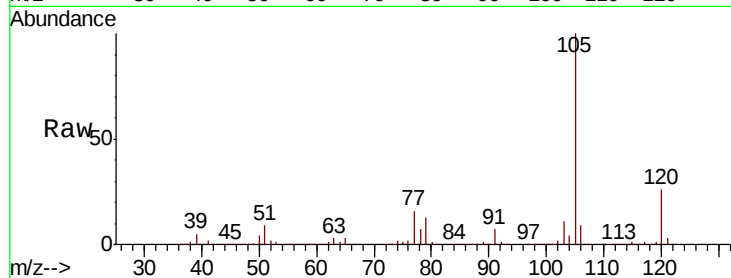
Tot Ion:105 Resp: 1156139

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

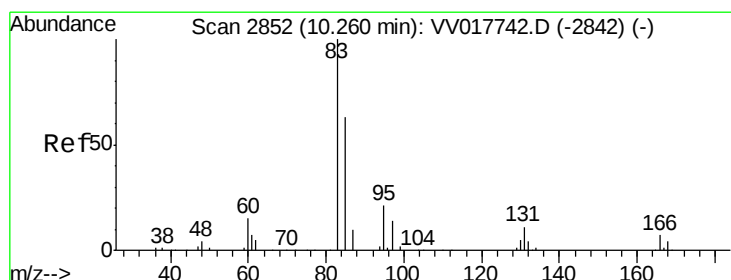
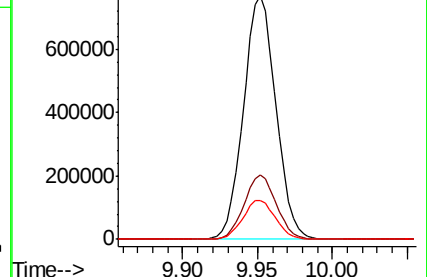
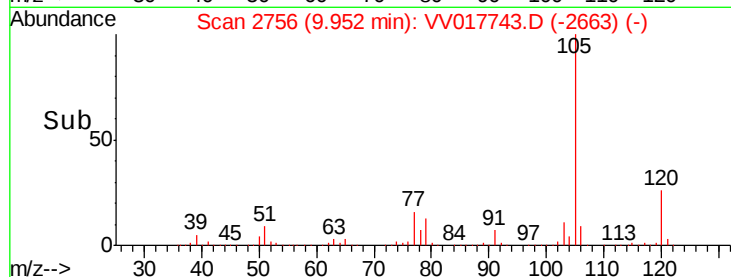
77 16.3 13.2 19.8



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: 87.514 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

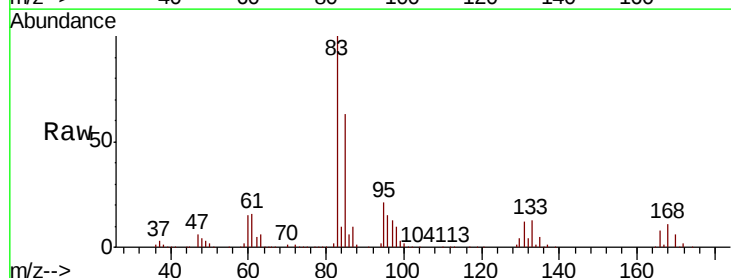
Tgt Ion: 83 Resp: 329918

Ion Ratio Lower Upper

83 100

85 62.5 45.6 84.8

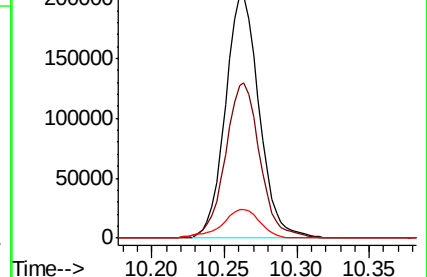
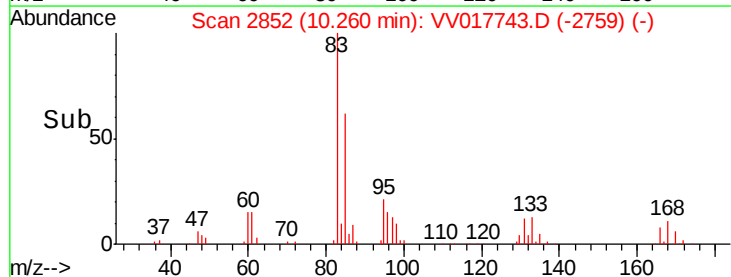
131 11.9 9.5 14.3

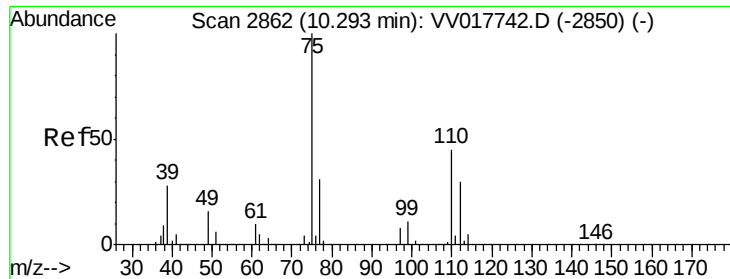


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 90.358 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

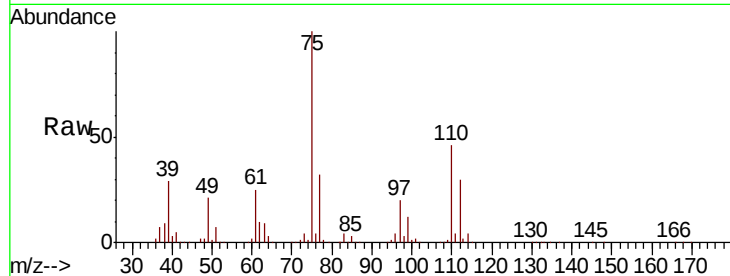
VSTD10064

Tot Ion: 75 Resp: 286077

Ion Ratio Lower Upper

75 100

77 32.7 25.1 37.7



Abundance Ion 75.00 (74.70 to 75.70): VV017742.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017743.D (-2240) (-)

10.30

200000

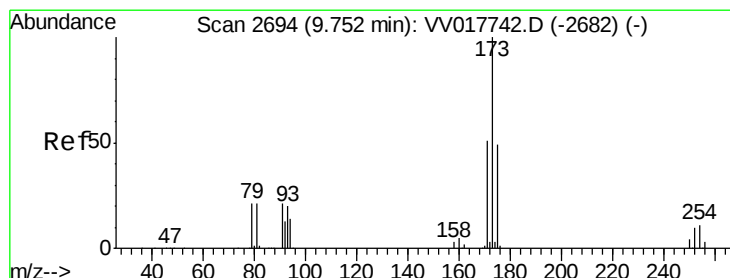
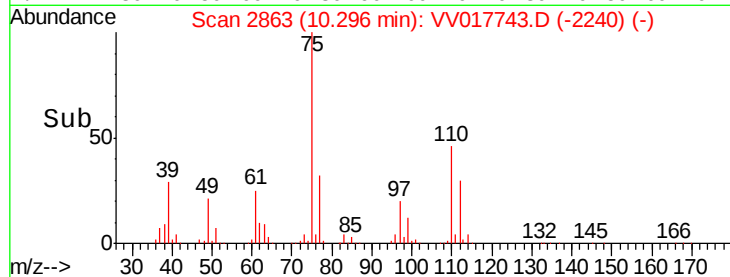
150000

100000

50000

0

Time--> 10.20 10.30 10.40



#61

Bromoform

Concen: 93.834 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

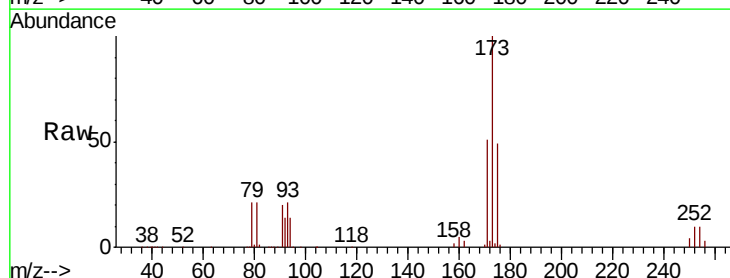
Tgt Ion: 173 Resp: 229540

Ion Ratio Lower Upper

173 100

175 49.4 39.8 59.8

254 10.0 8.4 12.6



Abundance Ion 173.00 (172.70 to 173.70): VV017742.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017743.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV017743.D (-2601) (-)

9.75

200000

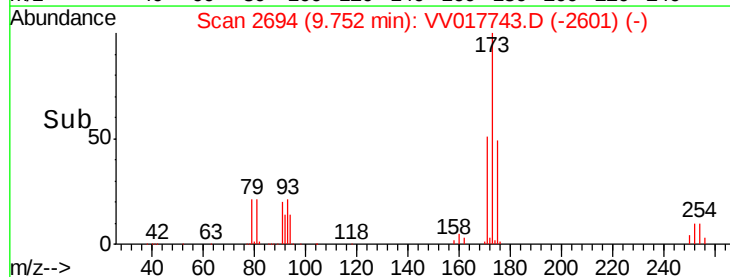
150000

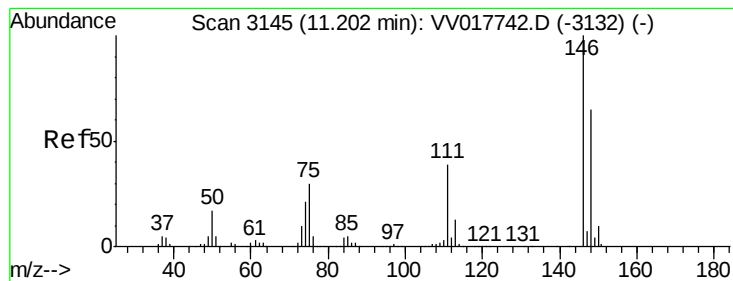
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 92.427 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD10064

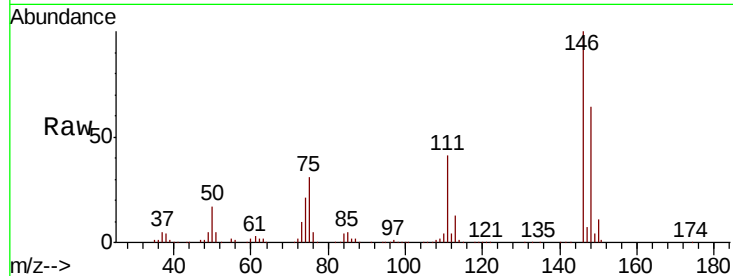
Tot Ion:146 Resp: 583312

Ion Ratio Lower Upper

146 100

111 40.6 27.6 51.4

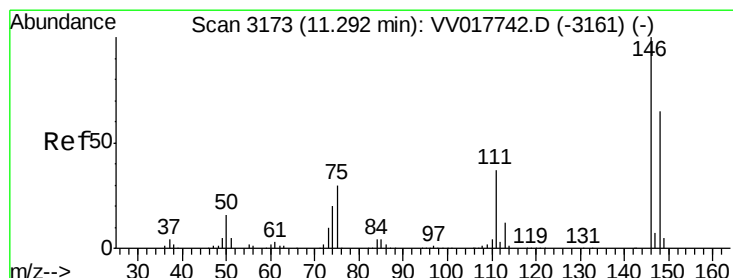
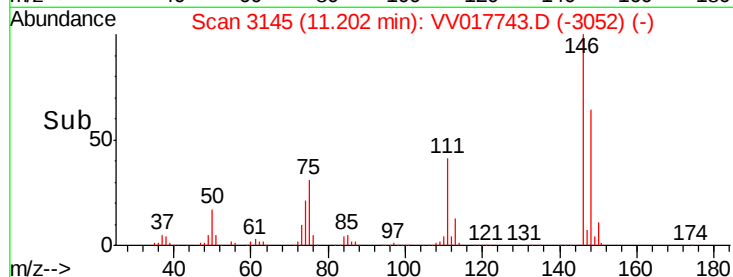
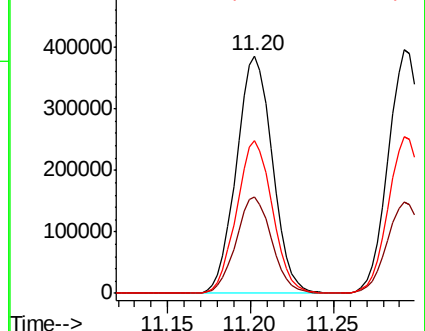
148 64.1 45.3 84.1



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



#63

1,4-Dichlorobenzene

Concen: 91.682 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

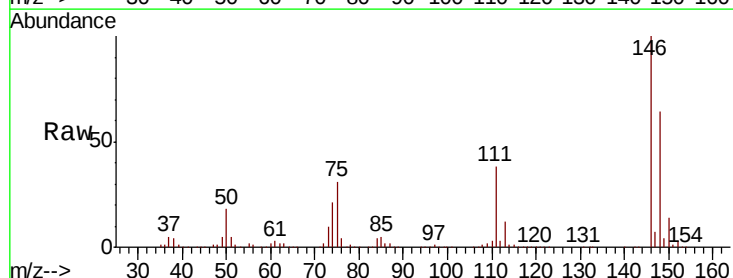
Tgt Ion:146 Resp: 591875

Ion Ratio Lower Upper

146 100

111 37.7 26.4 49.0

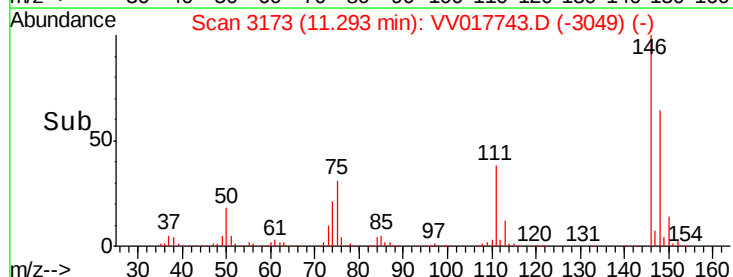
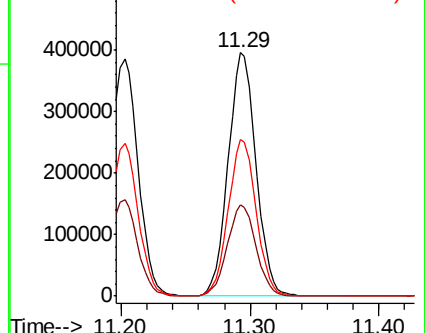
148 64.3 45.3 84.1

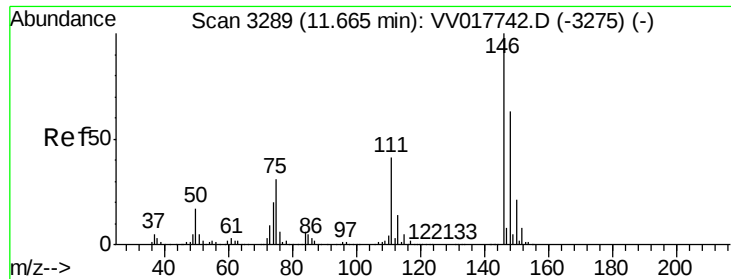


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

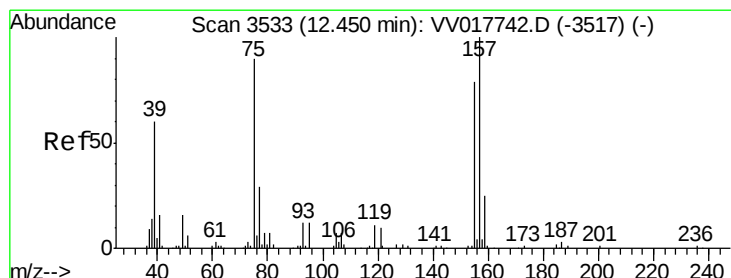
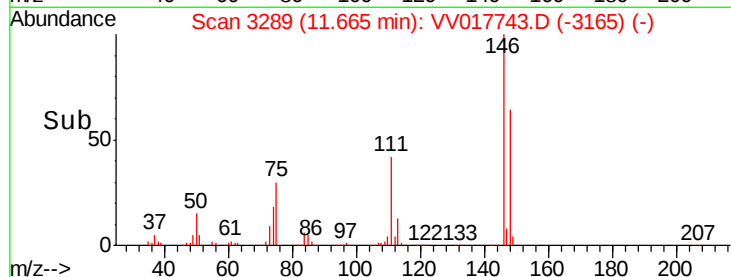
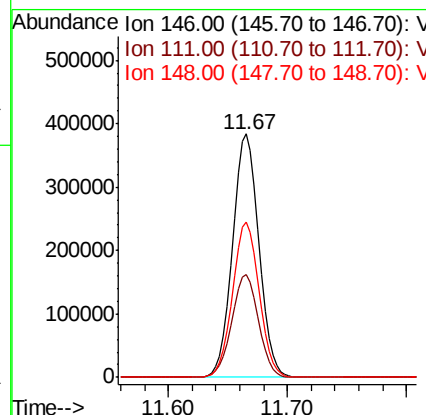
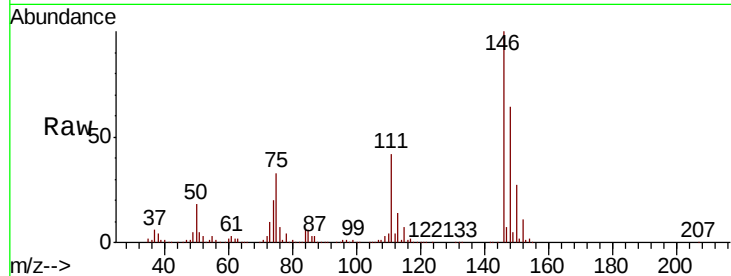




#65
 1,2-Dichlorobenzene
 Concen: 91.910 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

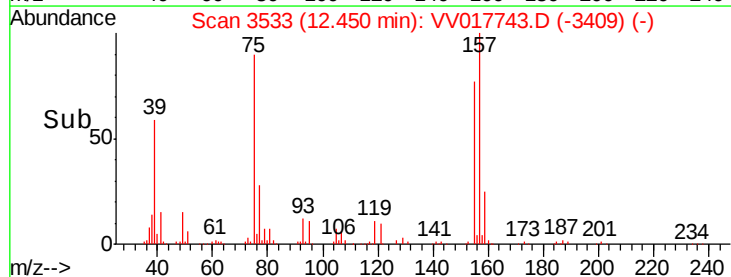
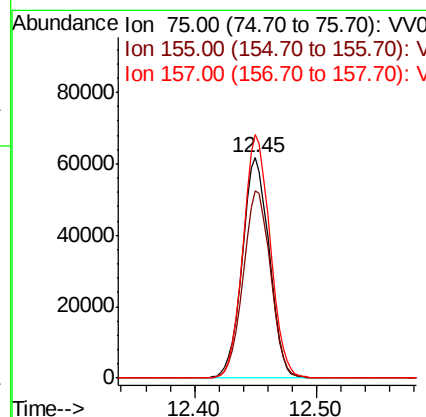
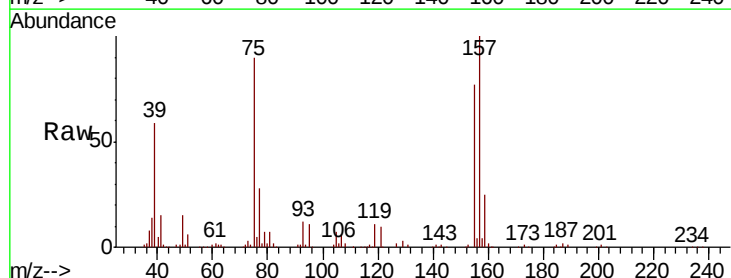
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

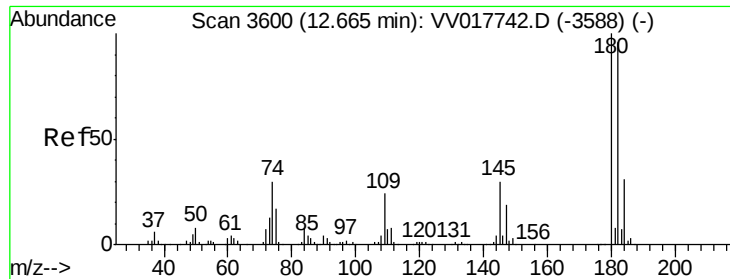
Tot Ion	Ratio	Lower	Upper
146	100		
111	42.2	32.6	49.0
148	63.9	50.4	75.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 91.476 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Tgt Ion	Ratio	Lower	Upper
75	100		
155	85.3	70.2	105.2
157	110.6	88.9	133.3

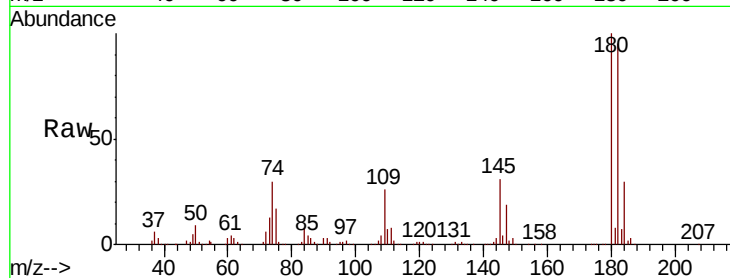




#67
 1,3,5-Trichlorobenzene
 Concen: 94.995 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10064

Tot Ion:180	Resp:	475466	
Ion Ratio	Lower	Upper	
180 100			
182 94.8	76.9	115.3	
184 30.2	25.1	37.7	
145 30.4	24.3	36.5	



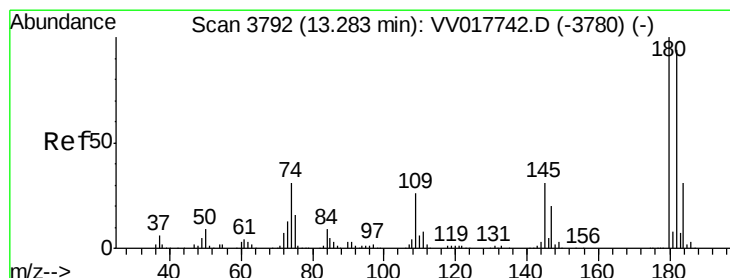
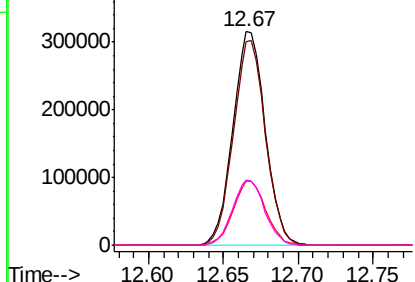
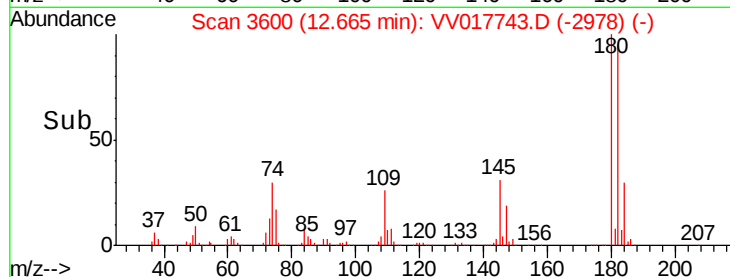
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

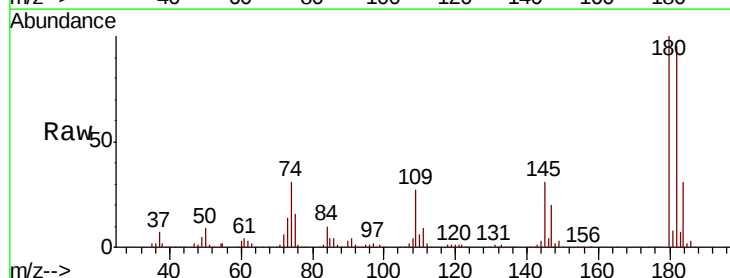
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 93.385 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV017743.D
 Acq: 30 Jul 2020 11:21

Tgt	Ion:180	Resp:	415220
Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.0	114.0
145	31.1	24.6	36.8

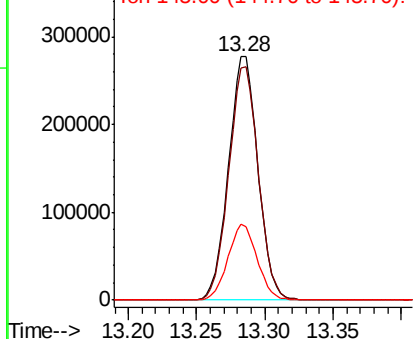
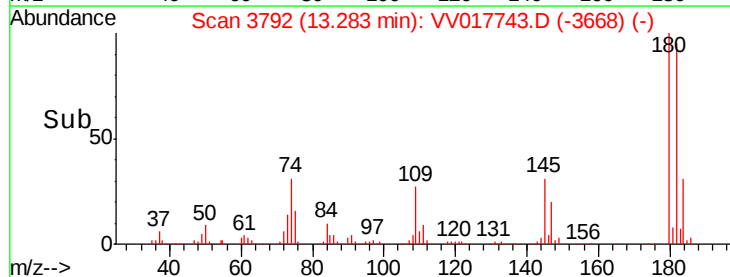


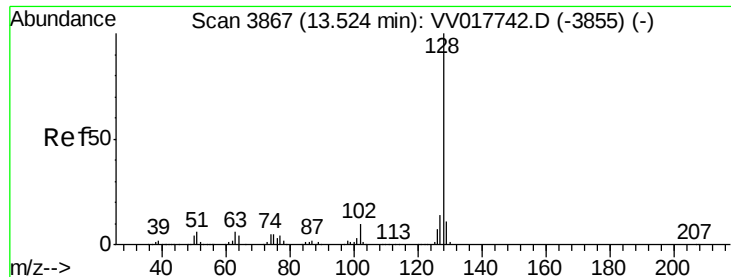
Abundance

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: 95.528 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Instrument :

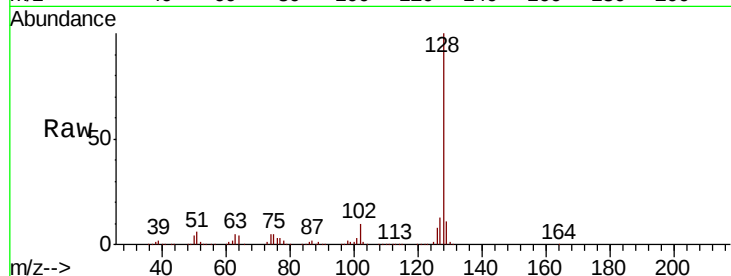
MSVOA_V

ClientSampleId :

VSTD10064

Tot Ion:128 Resp: 1163561

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.7	16.1
129	10.9	8.4	12.6

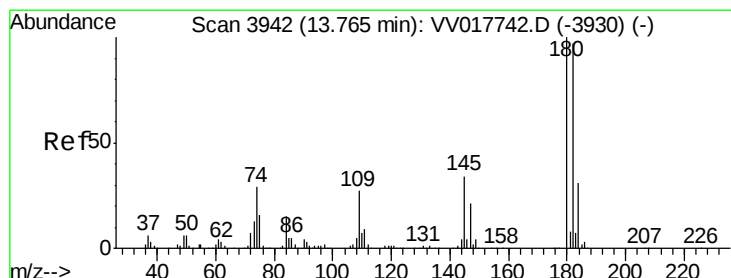
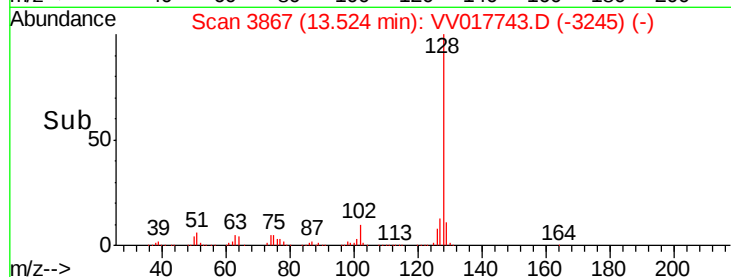
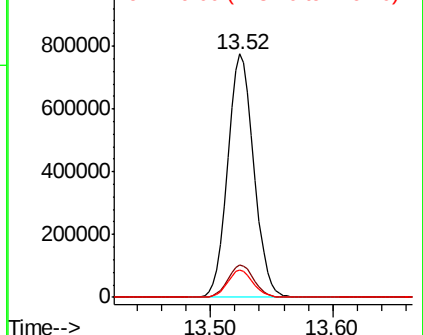


Abundance

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: 93.164 ug/L

RT: 13.77 min Scan# 3943

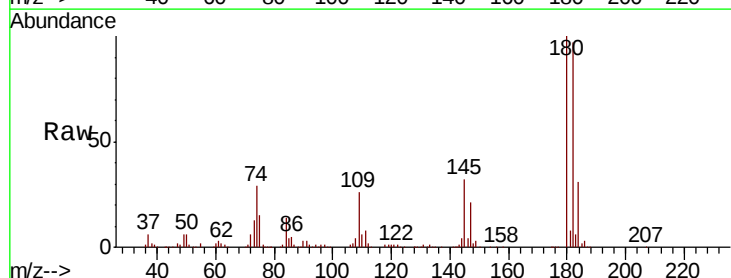
Delta R.T. 0.00 min

Lab File: VV017743.D

Acq: 30 Jul 2020 11:21

Tgt Ion:180 Resp: 411035

Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.7	115.1
145	32.3	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

