

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060620\
 Data File : VV016602.D
 Acq On : 06 Jun 2020 20:58
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Quant Time: Jun 06 23:51:32 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060320WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Jun 06 23:47:35 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	388451	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	366005	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	188886	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126476	45.97	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.94%
7) Chloroethane-d5	1.57	69	92672	46.66	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	93.32%
11) 1,1-Dichloroethene-d2	2.12	63	224705	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
21) 2-Butanone-d5	3.89	46	202949	115.36	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	115.36%
24) Chloroform-d	4.37	84	276146	53.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	106.96%
26) 1,2-Dichloroethane-d4	5.05	65	181159	52.40	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	104.80%
32) Benzene-d6	5.07	84	530338	54.09	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	108.18%
36) 1,2-Dichloropropane-d6	6.09	67	163905	53.65	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	107.30%
41) Toluene-d8	7.33	98	485278	54.50	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	109.00%
43) trans-1,3-Dichloropropene-	7.64	79	81033	54.43	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	108.86%
47) 2-Hexanone-d5	8.10	63	156578	119.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	119.68%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	221766	53.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.06%
64) 1,2-Dichlorobenzene-d4	11.65	152	199497	56.20	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	112.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	146587	45.737	ug/L 99
3) Chloromethane	1.25	50	145078	46.981	ug/L 98
5) Vinyl chloride	1.32	62	131055	43.924	ug/L 100
6) Bromomethane	1.52	94	66397	42.777	ug/L 97
8) Chloroethane	1.59	64	73928	44.212	ug/L 95
9) Trichlorofluoromethane	1.76	101	197450	45.825	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	97921	43.694	ug/L 99
12) 1,1-Dichloroethene	2.13	96	92984	43.116	ug/L 98
13) Acetone	2.17	43	105433	64.123	ug/L 98
14) Carbon disulfide	2.31	76	342046	45.811	ug/L 99
15) Methyl Acetate	2.44	43	145531	48.156	ug/L 99
16) Methylene chloride	2.52	84	133676	43.967	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	124974	45.928	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	422066	50.102	ug/L 99
19) 1,1-Dichloroethane	3.21	63	239982	47.687	ug/L 99
20) cis-1,2-Dichloroethene	3.93	96	140097	47.707	ug/L 97
22) 2-Butanone	3.97	43	197479	96.788	ug/L 96

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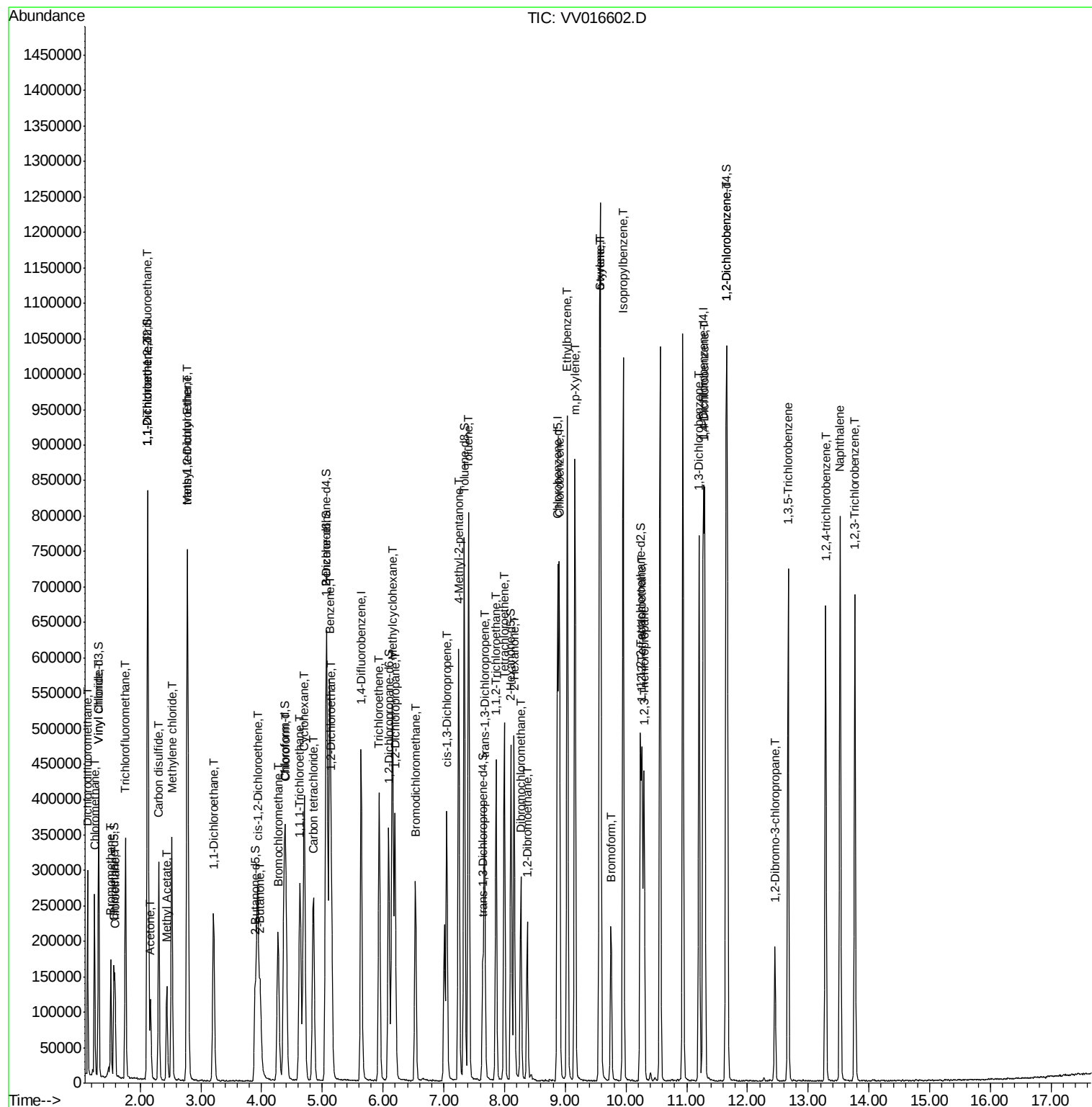
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	71158	47.089	ug/L	98
25) Chloroform	4.40	83	245081	46.464	ug/L	99
27) 1,2-Dichloroethane	5.15	62	204084	47.617	ug/L	99
29) Cyclohexane	4.70	56	221781	51.055	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	224687	50.372	ug/L	98
31) Carbon tetrachloride	4.85	117	191966	50.041	ug/L	98
33) Benzene	5.12	78	524663	48.742	ug/L	100
34) Trichloroethene	5.94	95	139021	49.221	ug/L	97
35) Methylcyclohexane	6.15	83	219655	54.180	ug/L	100
37) 1,2-Dichloropropane	6.20	63	135898	48.437	ug/L	100
38) Bromodichloromethane	6.53	83	178965	49.644	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	209305	51.164	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	398424	103.205	ug/L	99
42) Toluene	7.41	91	553008	48.483	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	205585	51.221	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	130569	48.128	ug/L	100
46) Tetrachloroethene	8.00	164	109019	50.061	ug/L	98
48) 2-Hexanone	8.16	43	304699	101.523	ug/L	99
49) Dibromochloromethane	8.27	129	139544	52.909	ug/L	99
50) 1,2-Dibromoethane	8.37	107	138502	48.262	ug/L	98
51) Chlorobenzene	8.90	112	357833	47.733	ug/L	98
52) Ethylbenzene	9.03	91	629007	50.668	ug/L	99
53) m,p-Xylene	9.16	106	235444	50.297	ug/L	96
54) o-xylene	9.56	106	231594	51.085	ug/L	98
55) Styrene	9.58	104	397306	50.025	ug/L	99
56) Isopropylbenzene	9.95	105	627293	53.270	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	207853	47.761	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	167899	47.956	ug/L	96
61) Bromoform	9.75	173	91897	58.104	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	290126	49.575	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	289875	47.738	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	295002	50.081	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	45879	51.322	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	212206	53.897	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	192579	52.833	ug/L	97
69) Naphthalene	13.53	128	587476	52.509	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	192681	55.607	ug/L	100

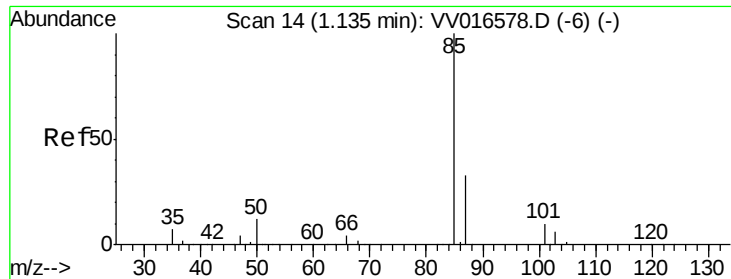
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 45.737 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

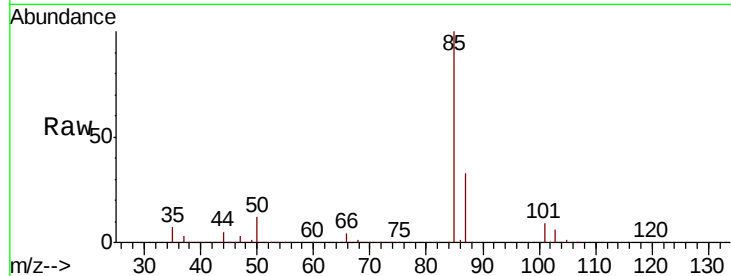
VSTD05070

Tot Ion: 85 Resp: 146587

Ion Ratio Lower Upper

85 100

87 33.2 26.2 39.2



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

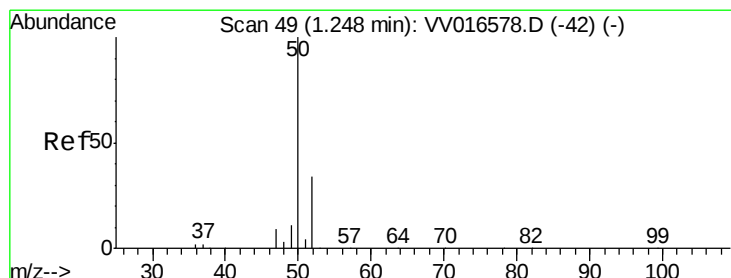
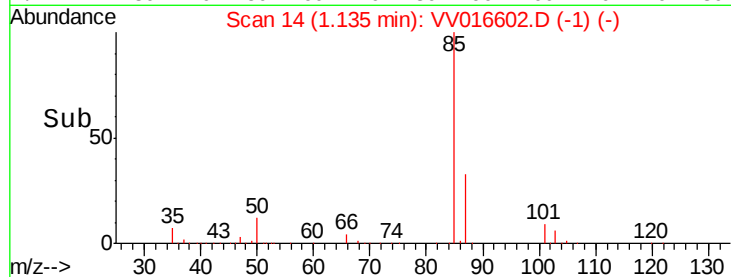
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 46.981 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016602.D

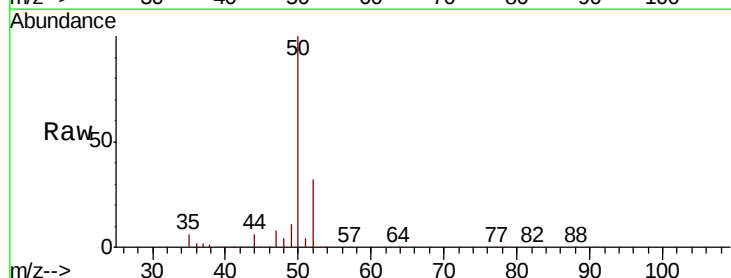
Acq: 06 Jun 2020 20:58

Tgt Ion: 50 Resp: 145078

Ion Ratio Lower Upper

50 100

52 32.3 23.5 43.7



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

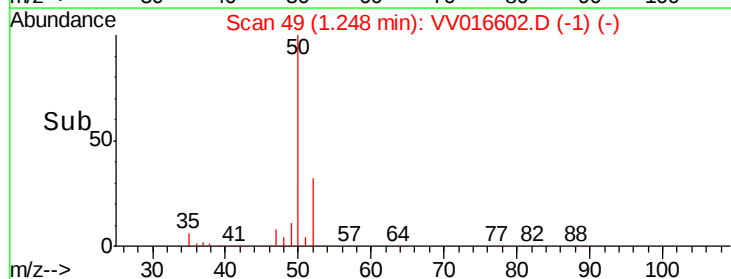
150000

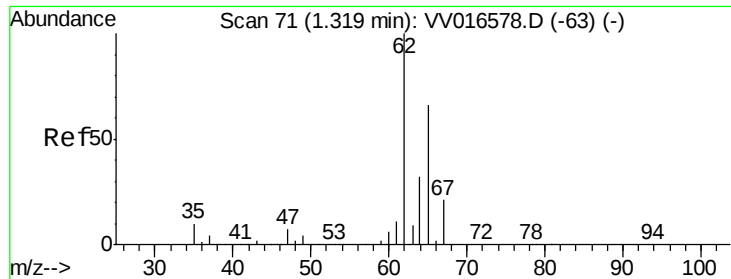
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 43.924 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

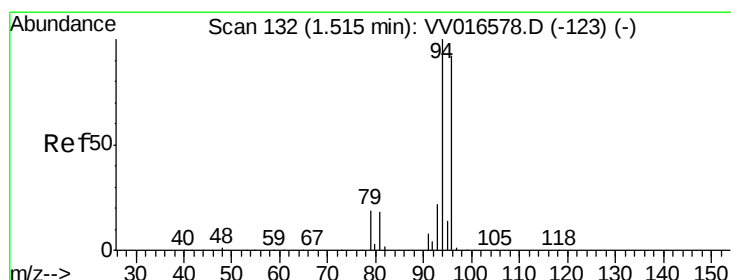
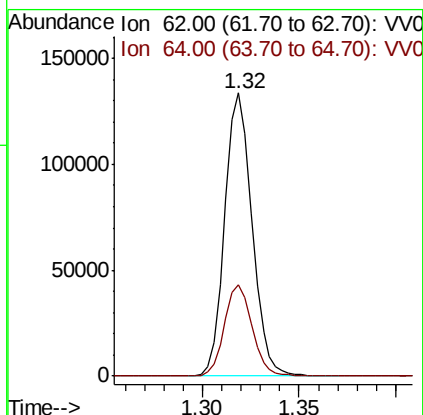
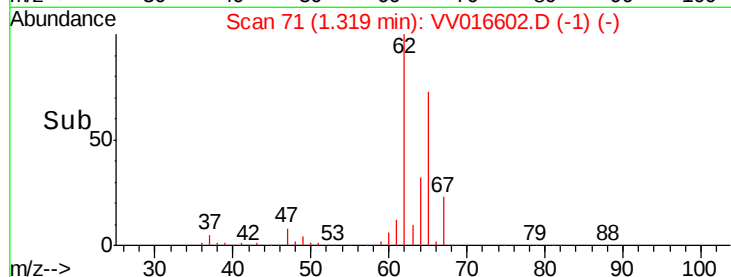
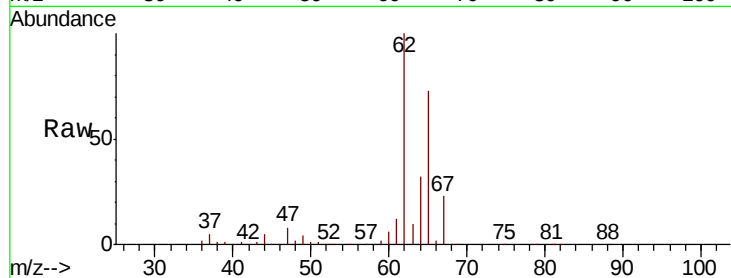
VSTD05070

Tot Ion: 62 Resp: 131055

Ion Ratio Lower Upper

62 100

64 32.5 22.7 42.1



#6

Bromomethane

Concen: 42.777 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV016602.D

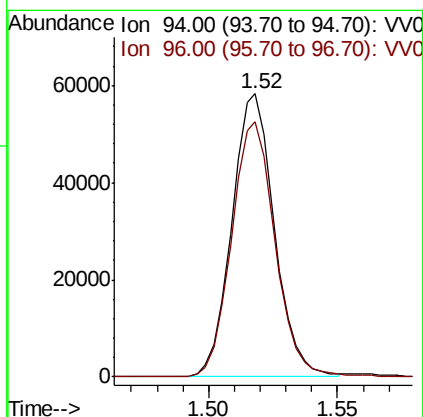
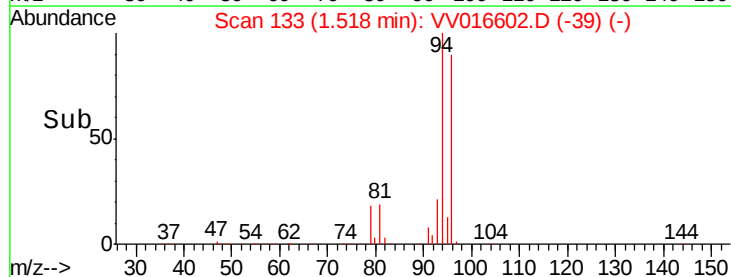
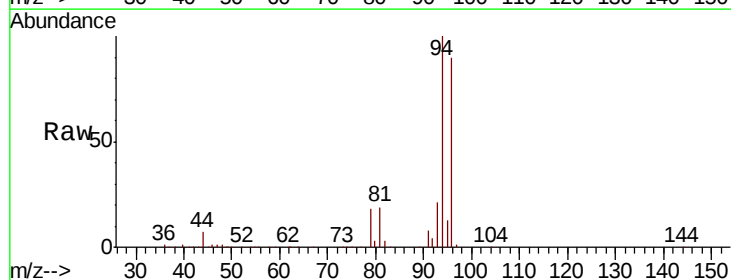
Acq: 06 Jun 2020 20:58

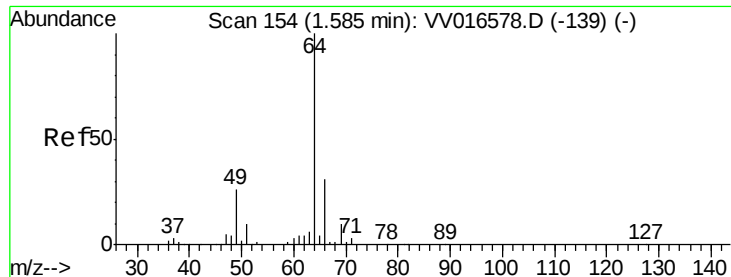
Tgt Ion: 94 Resp: 66397

Ion Ratio Lower Upper

94 100

96 90.1 65.1 120.9





#8

Chloroethane

Concen: 44.212 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

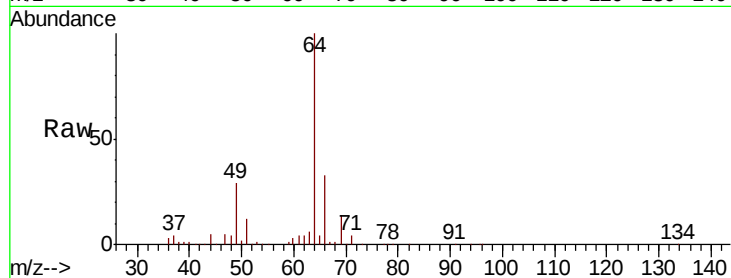
VSTD05070

Tot Ion: 64 Resp: 73928

Ion Ratio Lower Upper

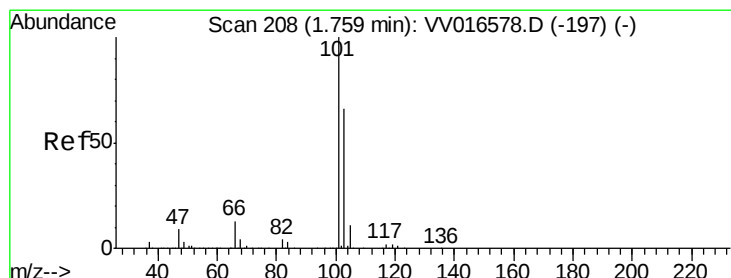
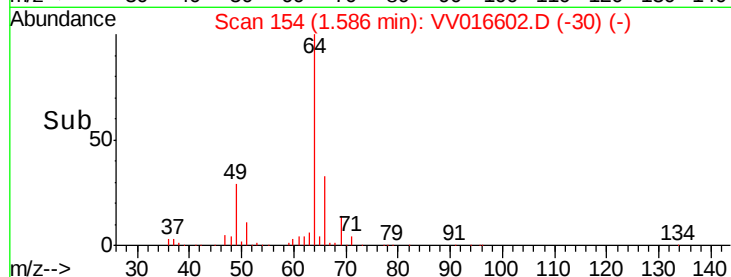
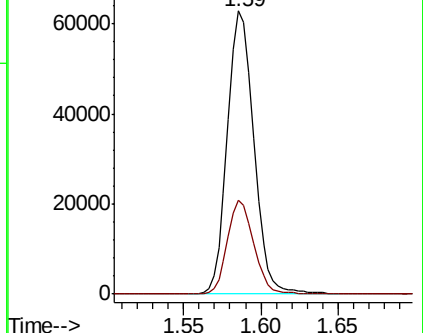
64 100

66 33.2 21.4 39.8



Abundance Ion 64.00 (63.70 to 64.70): VV016602.D (-139) (-)

Ion 66.00 (65.70 to 66.70): VV016602.D (-139) (-)



#9

Trichlorofluoromethane

Concen: 45.825 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV016602.D

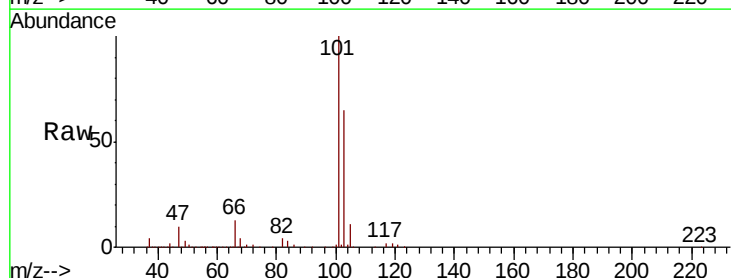
Acq: 06 Jun 2020 20:58

Tgt Ion:101 Resp: 197450

Ion Ratio Lower Upper

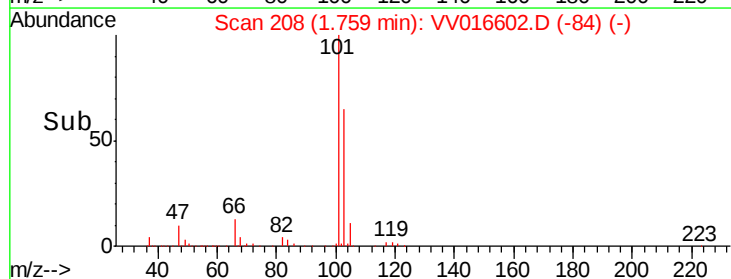
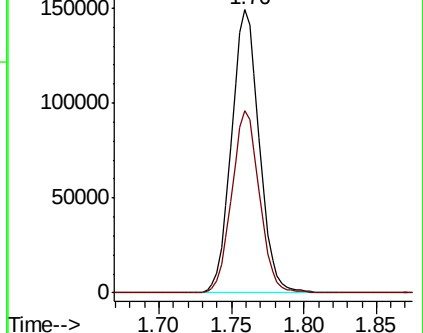
101 100

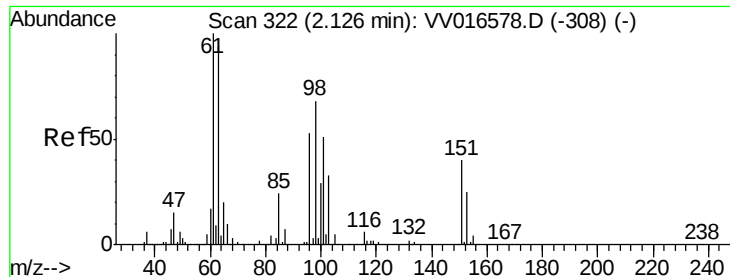
103 64.3 50.9 76.3



Abundance Ion 101.00 (100.70 to 101.70): VV016602.D (-84) (-)

Ion 103.00 (102.70 to 103.70): VV016602.D (-84) (-)





#10

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

Concen: 43.694 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

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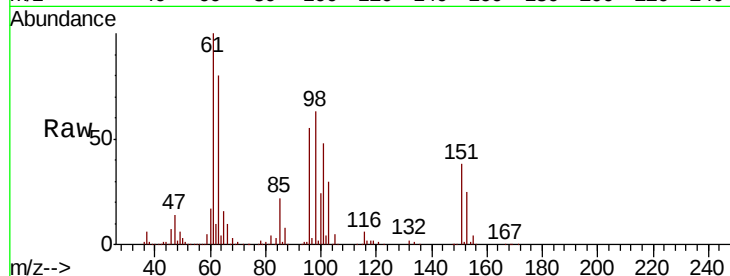
Tot Ion:101 Resp: 97921

Ion Ratio Lower Upper

101 100

85 45.5 35.6 53.4

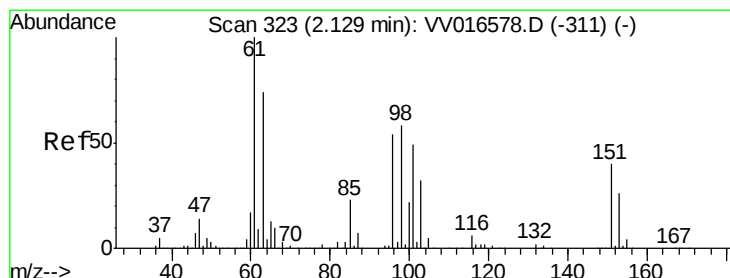
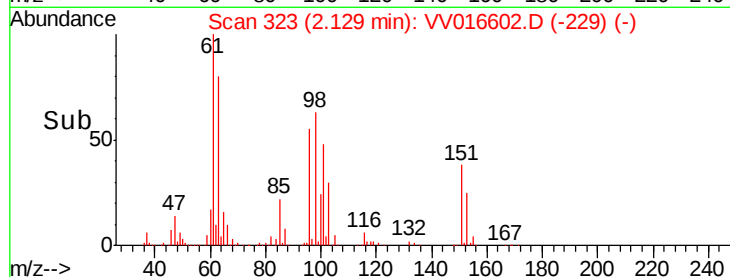
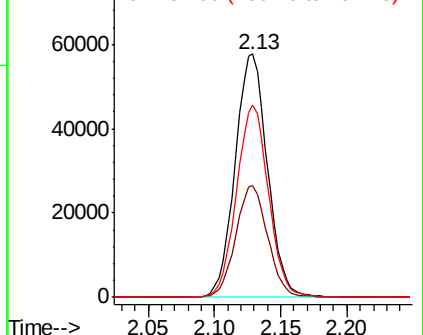
151 78.1 61.8 92.8



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: 43.116 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

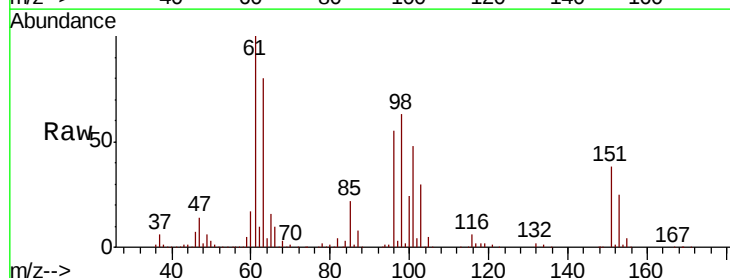
Tgt Ion: 96 Resp: 92984

Ion Ratio Lower Upper

96 100

61 183.1 125.5 233.1

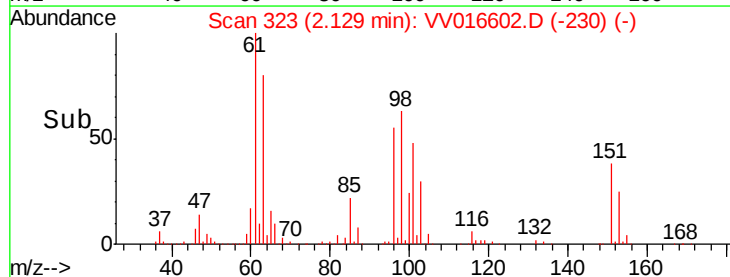
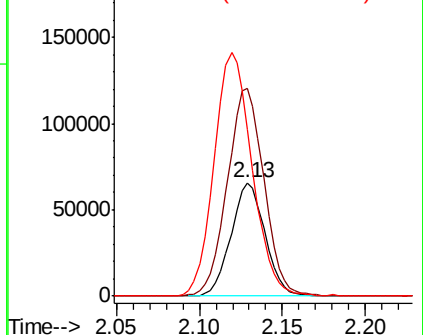
63 146.6 104.0 193.1

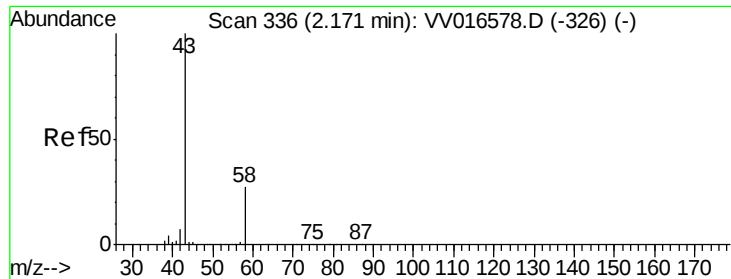


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 64.123 ug/L

RT: 2.17 min Scan# 336

Delta R.T. 0.00 min

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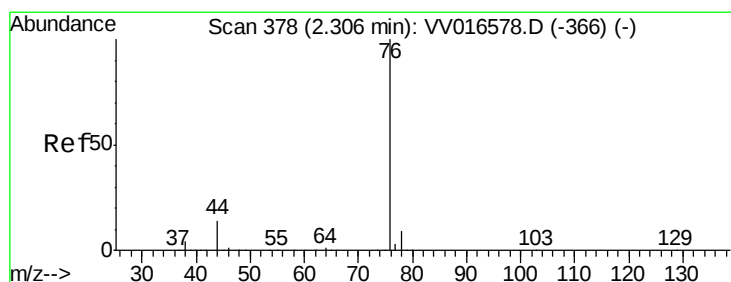
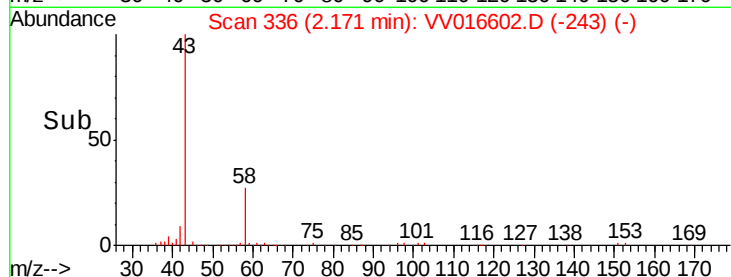
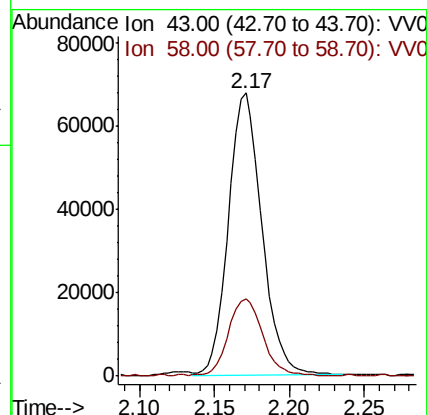
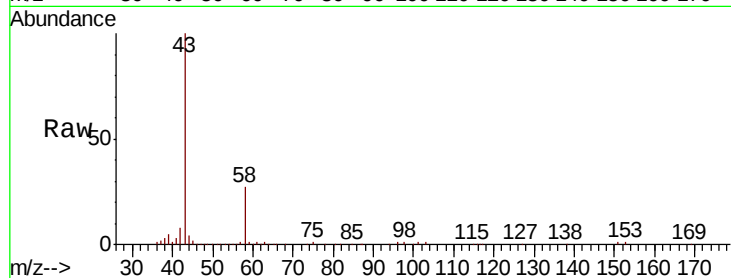
VSTD05070

Tot Ion: 43 Resp: 105433

Ion Ratio Lower Upper

43 100

58 27.8 0.0 57.2



#14

Carbon disulfide

Concen: 45.811 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

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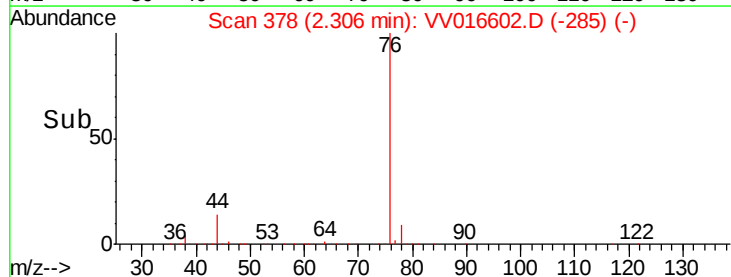
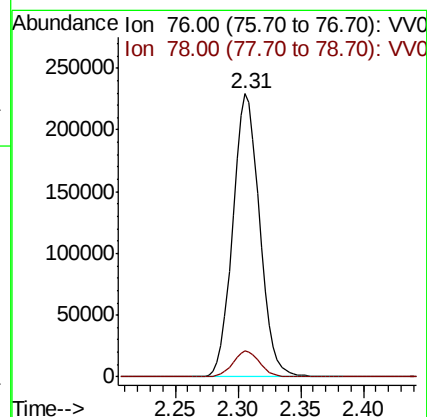
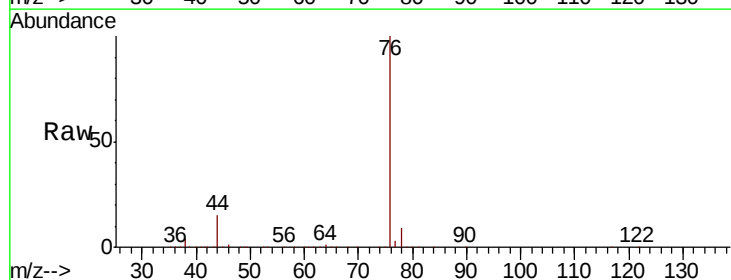
Acq: 06 Jun 2020 20:58

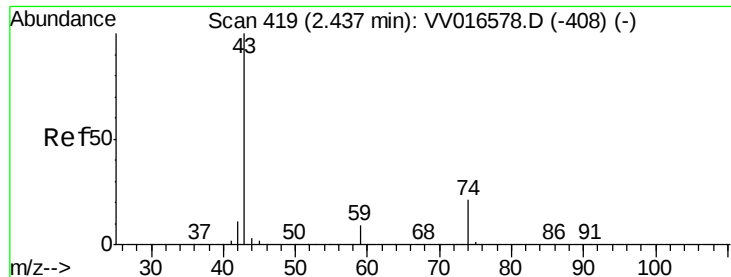
Tgt Ion: 76 Resp: 342046

Ion Ratio Lower Upper

76 100

78 9.2 7.6 11.4





#15

Methyl Acetate

Concen: 48.156 ug/L

RT: 2.44 min Scan# 419

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

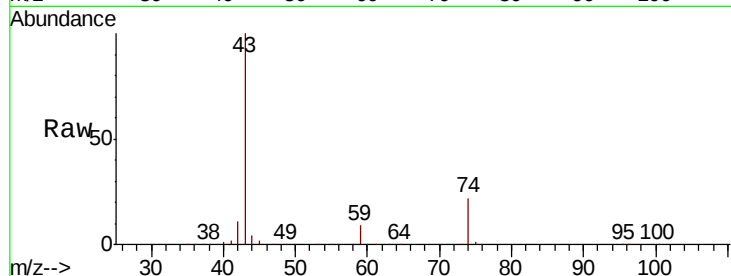
VSTD05070

Tot Ion: 43 Resp: 145531

Ion Ratio Lower Upper

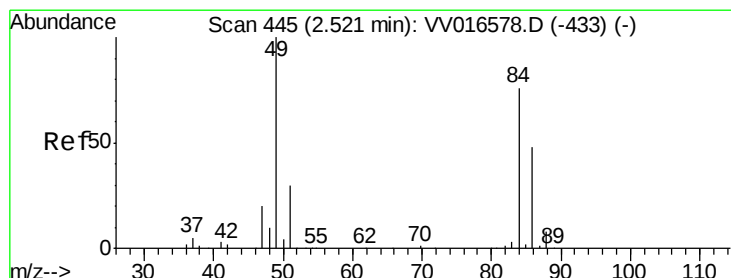
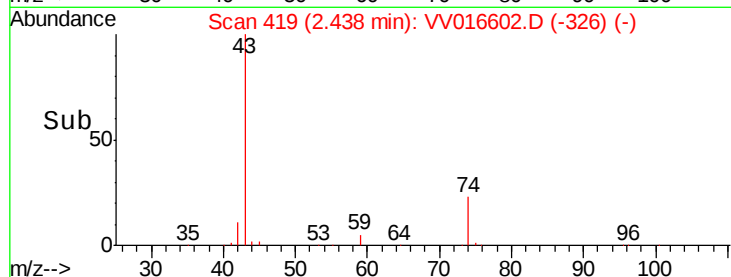
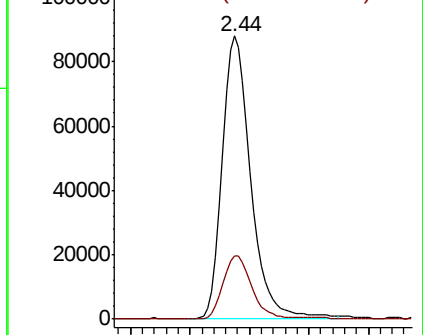
43 100

74 23.0 18.1 27.1



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 43.967 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

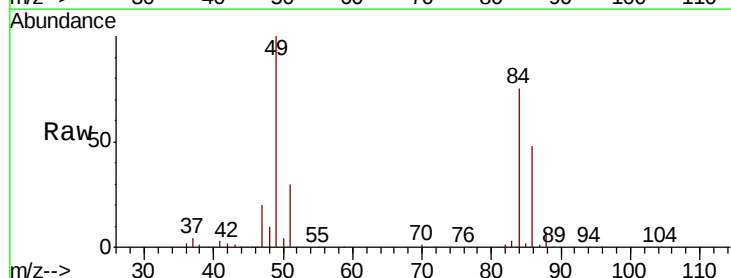
Tgt Ion: 84 Resp: 133676

Ion Ratio Lower Upper

84 100

86 63.5 45.1 83.9

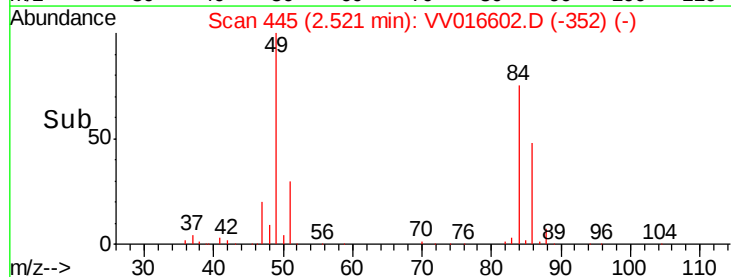
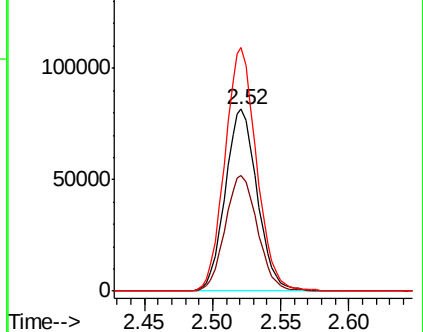
49 133.7 92.4 171.6

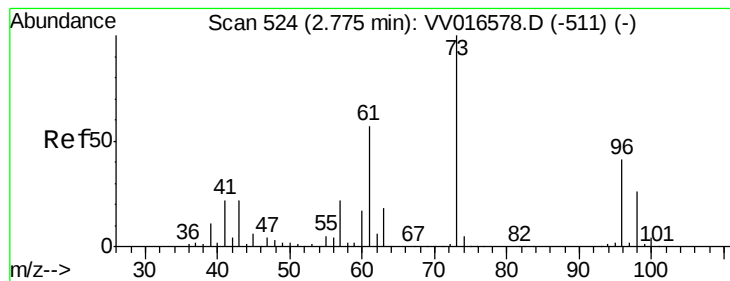


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 45.928 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

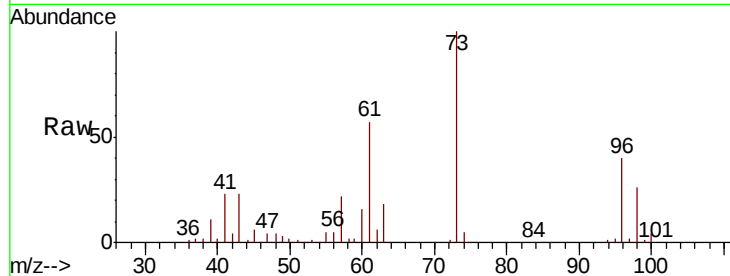
Tot Ion: 96 Resp: 124974

Ion Ratio Lower Upper

96 100

61 142.6 101.0 187.6

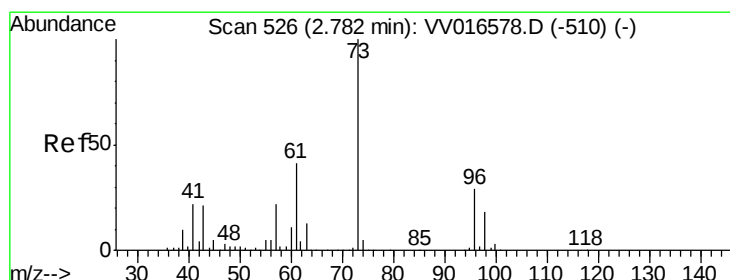
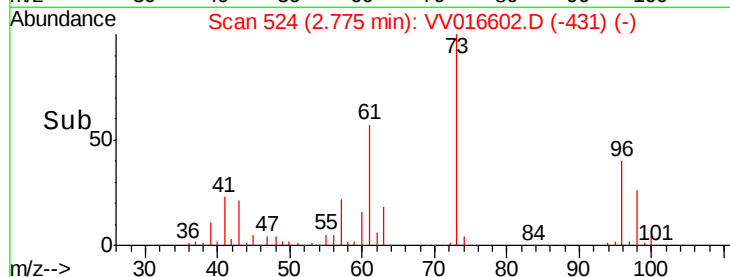
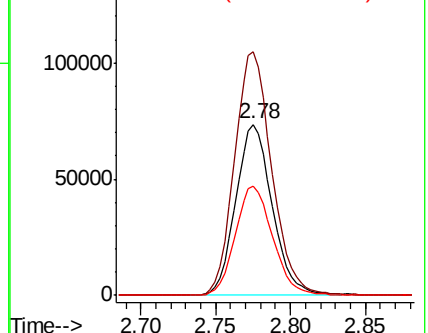
98 63.8 44.7 83.1



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 50.102 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

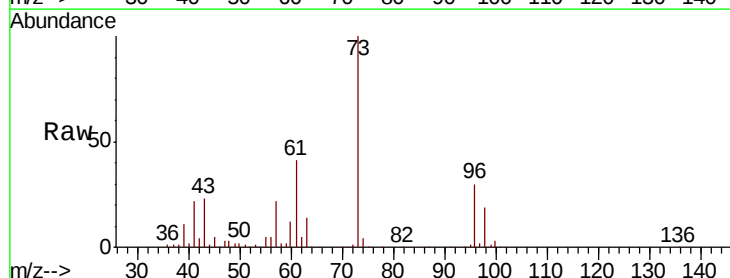
Tgt Ion: 73 Resp: 422066

Ion Ratio Lower Upper

73 100

43 22.4 17.0 25.4

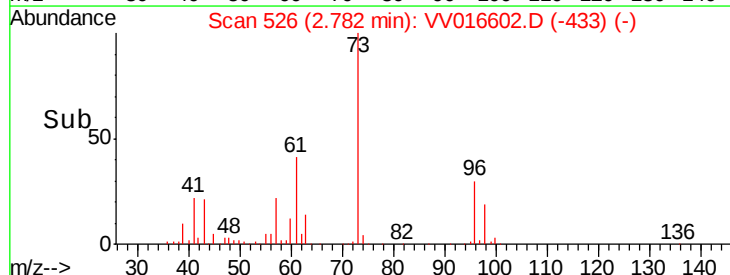
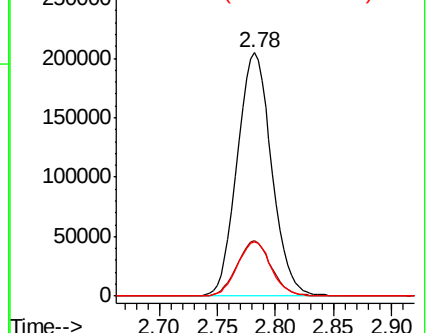
57 22.0 17.8 26.8

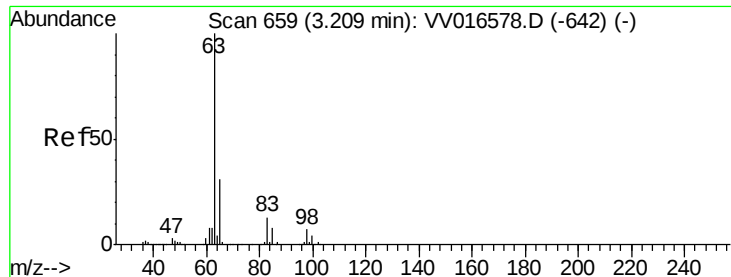


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

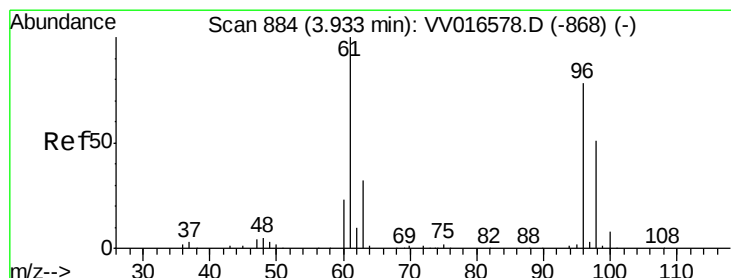
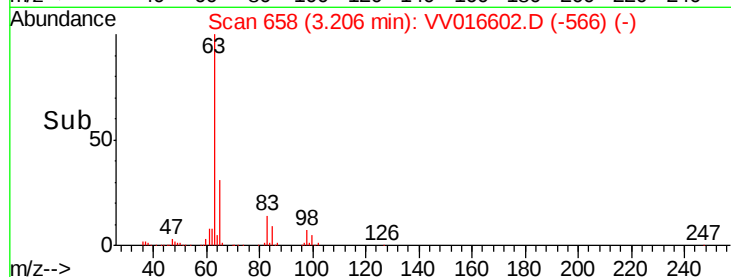
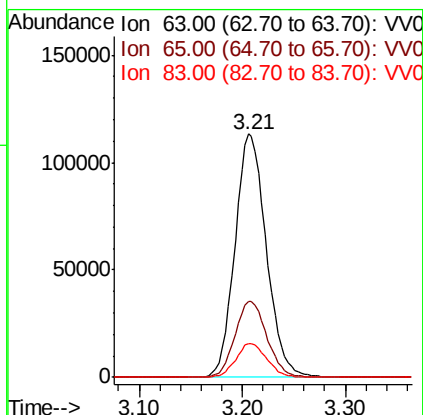
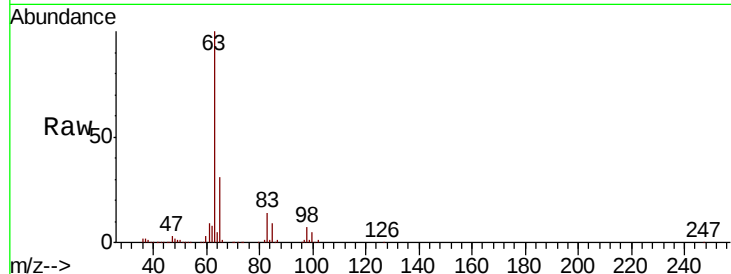




#19
 1,1-Dichloroethane
 Concen: 47.687 ug/L
 RT: 3.21 min Scan# 658
 Delta R.T. -0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

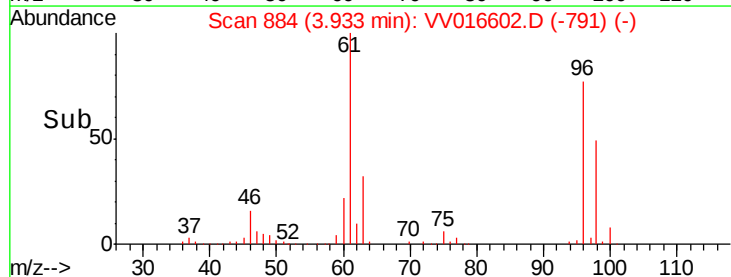
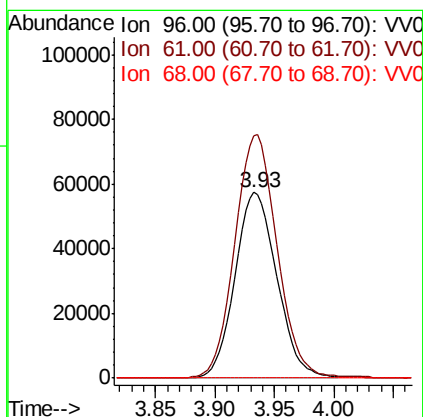
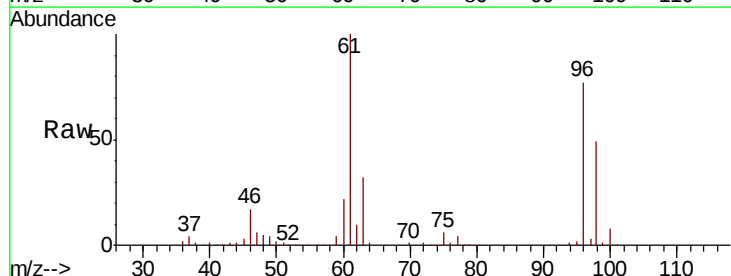
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

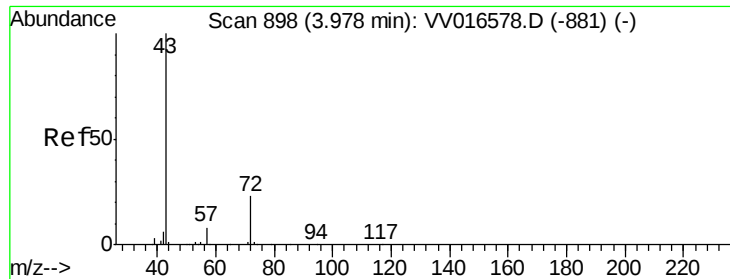
Tot Ion	63	Resp	239982
Ion Ratio	Lower	Upper	
63	100		
65	31.1	22.2	41.2
83	13.9	9.1	16.9



#20
 cis-1,2-Dichloroethene
 Concen: 47.707 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

Tgt Ion	96	Resp	140097
Ion Ratio	Lower	Upper	
96	100		
61	130.3	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 96.788 ug/L

RT: 3.97 min Scan# 897

Delta R.T. -0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

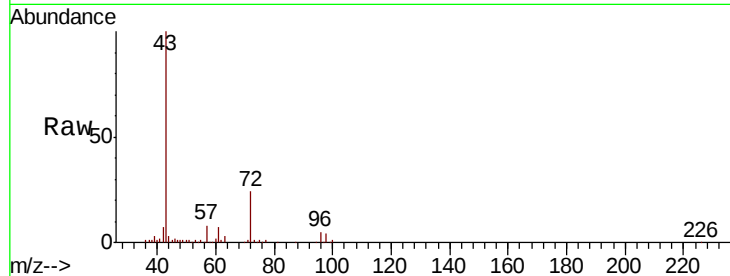
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 43 Resp: 197479

Ion Ratio Lower Upper

43 100

72 23.4 12.8 38.3

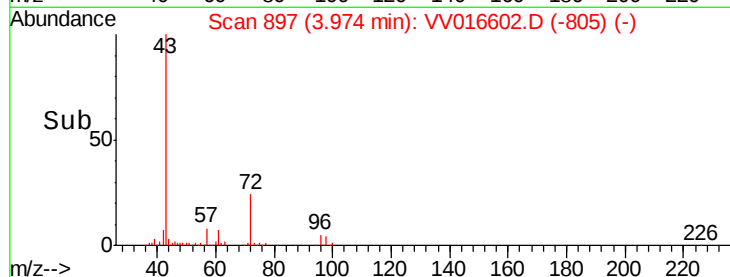


Abundance Ion 43.00 (42.70 to 43.70): VV016602.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV016602.D (-897) (-)

Time-->

3.97



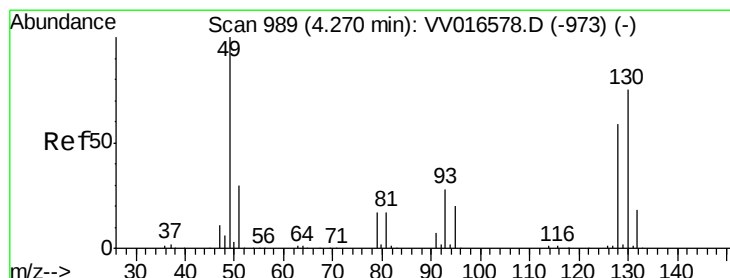
Abundance

Ion 43.00 (42.70 to 43.70): VV016602.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV016602.D (-897) (-)

Time-->

3.97



#23

Bromochloromethane

Concen: 47.089 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Tgt Ion: 128 Resp: 71158

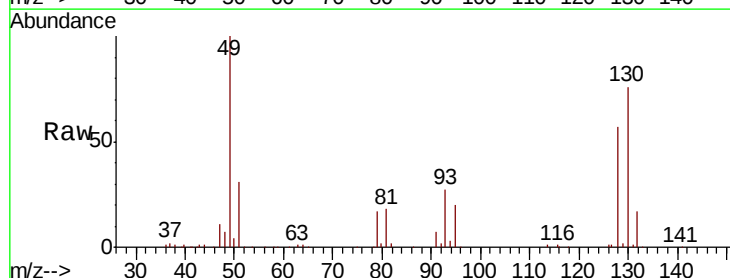
Ion Ratio Lower Upper

128 100

49 174.1 121.7 225.9

130 133.1 90.1 167.3

51 54.2 43.8 65.6



Abundance Ion 128.00 (127.70 to 128.70): VV016602.D (-989) (-)

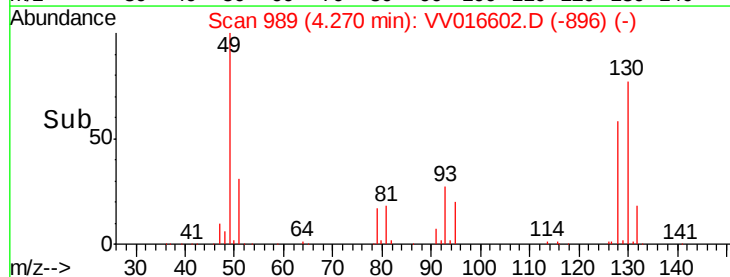
Ion 49.00 (48.70 to 49.70): VV016602.D (-989) (-)

Ion 130.00 (129.70 to 130.70): VV016602.D (-989) (-)

Ion 51.00 (50.70 to 51.70): VV016602.D (-989) (-)

Time-->

4.27



Abundance

Ion 128.00 (127.70 to 128.70): VV016602.D (-989) (-)

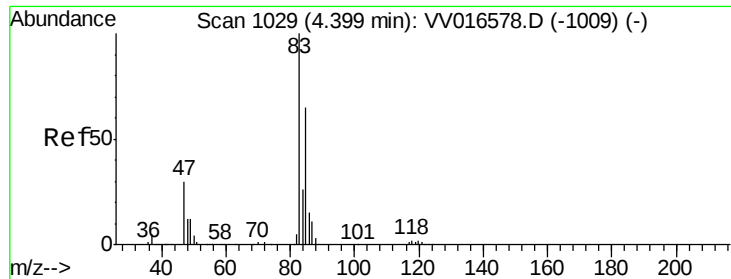
Ion 49.00 (48.70 to 49.70): VV016602.D (-989) (-)

Ion 130.00 (129.70 to 130.70): VV016602.D (-989) (-)

Ion 51.00 (50.70 to 51.70): VV016602.D (-989) (-)

Time-->

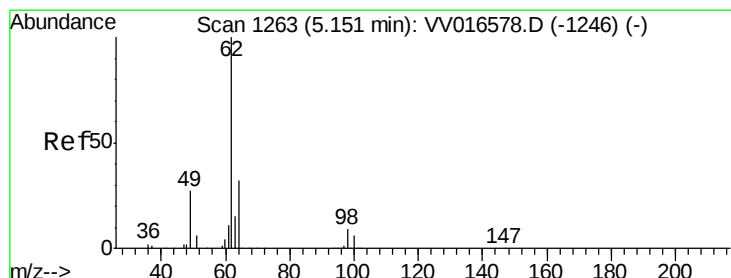
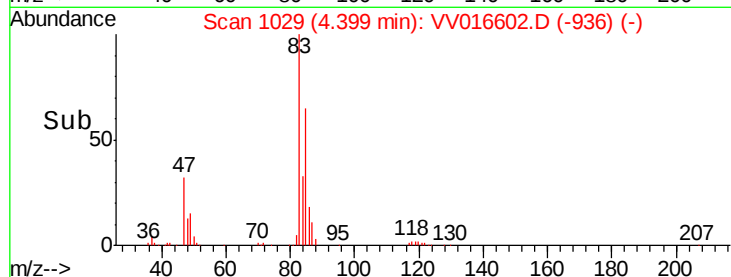
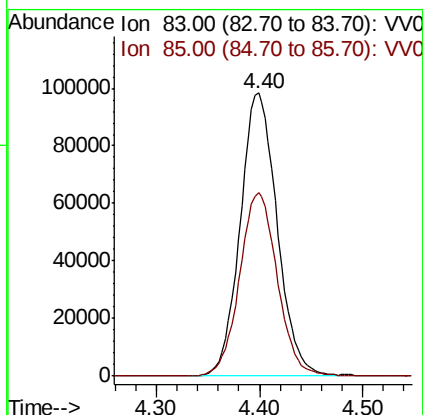
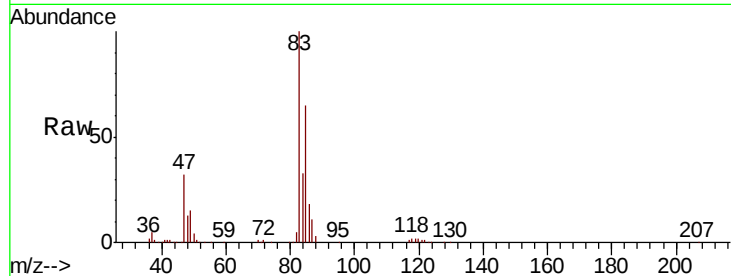
4.27



#25
Chloroform
Concen: 46.464 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

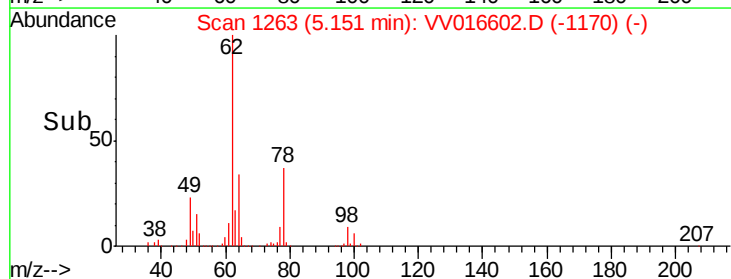
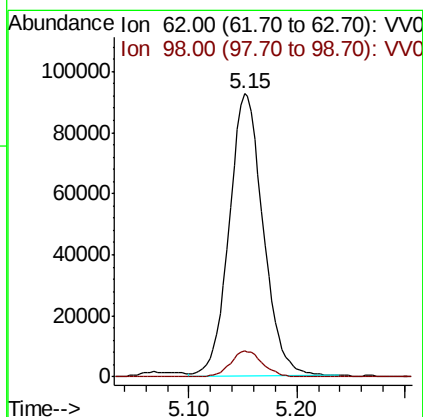
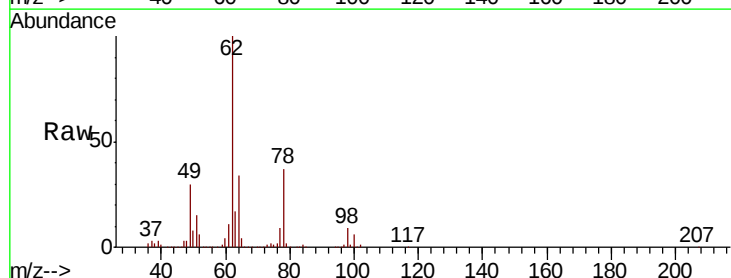
Instrument :
MSVOA_V
ClientSampled :
VSTD05070

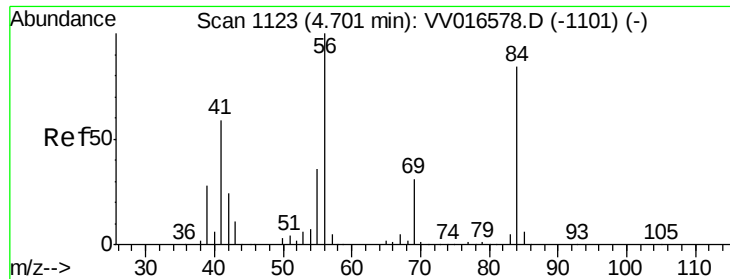
Tot Ion: 83 Resp: 245081
Ion Ratio Lower Upper
83 100
85 64.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 47.617 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

Tgt Ion: 62 Resp: 204084
Ion Ratio Lower Upper
62 100
98 9.1 6.9 10.3

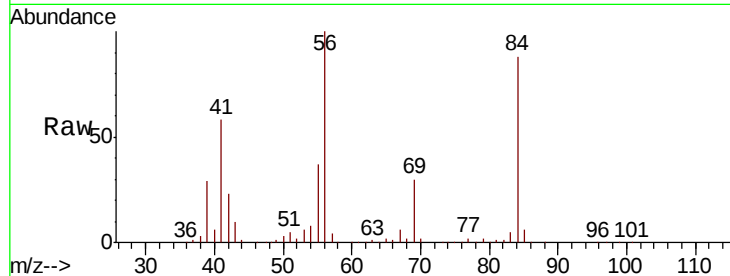




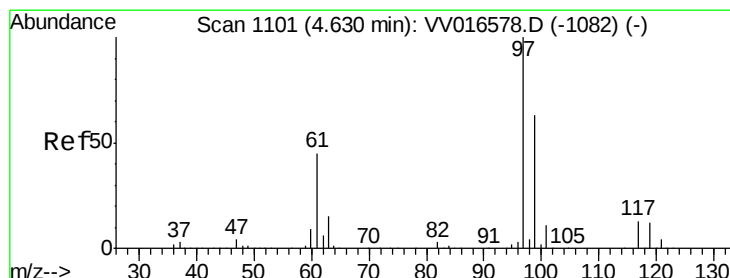
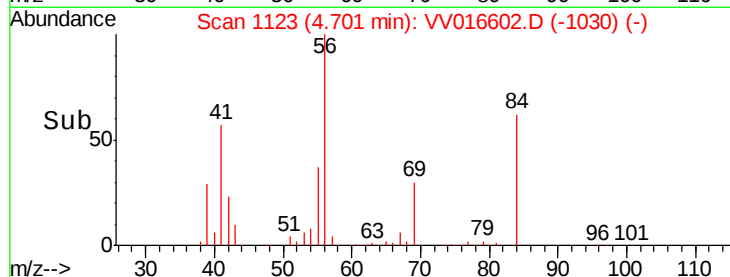
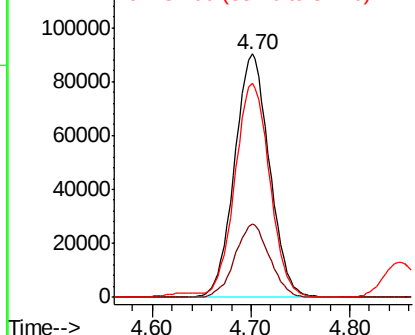
#29
Cyclohexane
Concen: 51.055 ug/L
RT: 4.70 min Scan# 1123
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion: 56 Resp: 221781
Ion Ratio Lower Upper
56 100
69 29.7 23.9 35.9
84 87.5 68.2 102.2

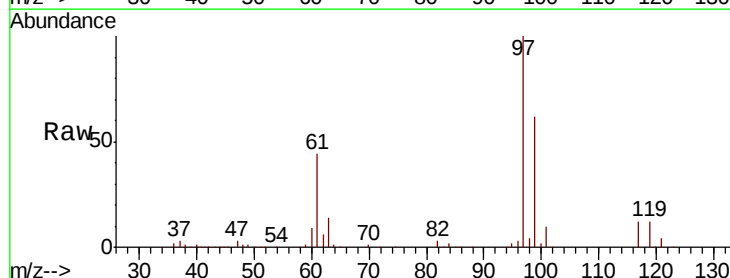


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

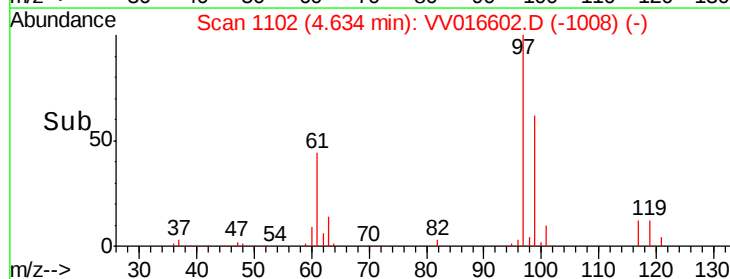
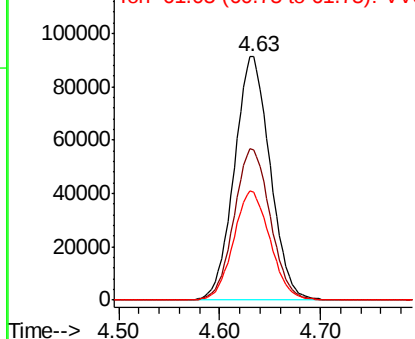


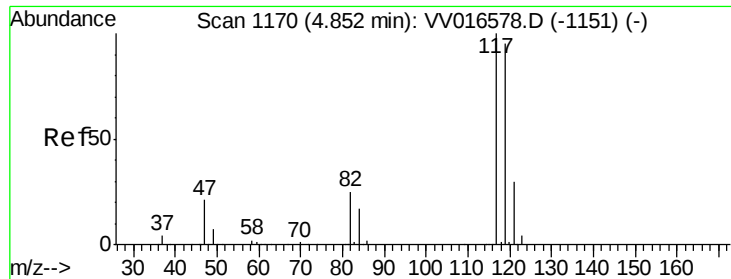
#30
1,1,1-Trichloroethane
Concen: 50.372 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

Tgt Ion: 97 Resp: 224687
Ion Ratio Lower Upper
97 100
99 63.1 51.8 77.8
61 45.9 37.4 56.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.041 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

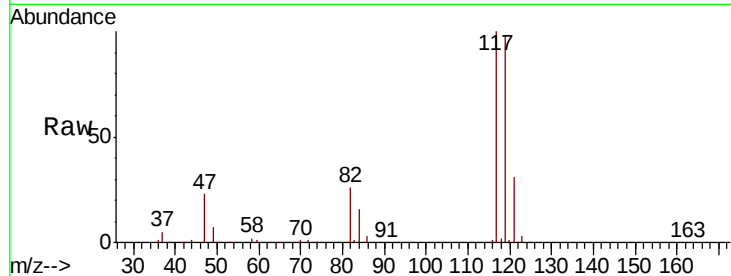
VSTD05070

Tot Ion:117 Resp: 191966

Ion Ratio Lower Upper

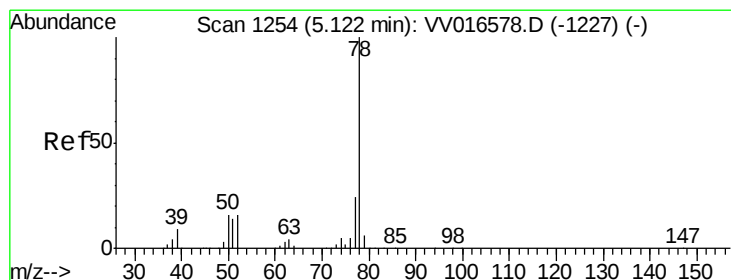
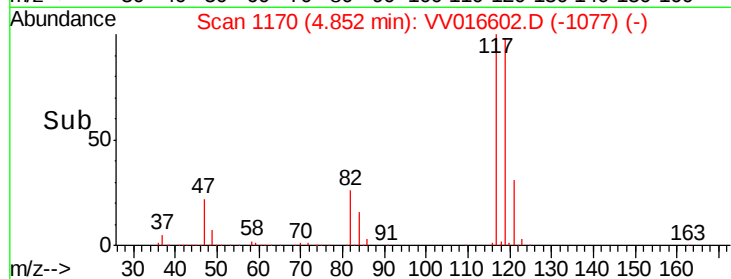
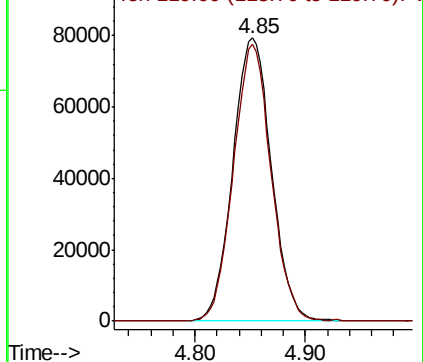
117 100

119 95.3 77.8 116.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.742 ug/L

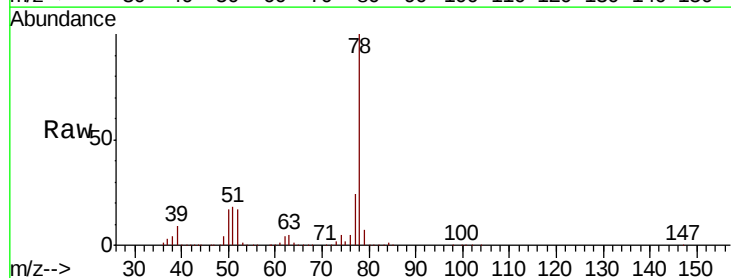
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

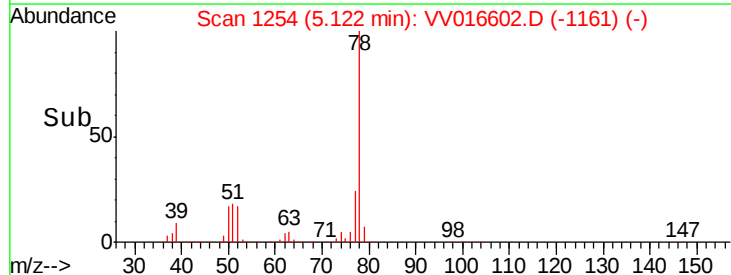
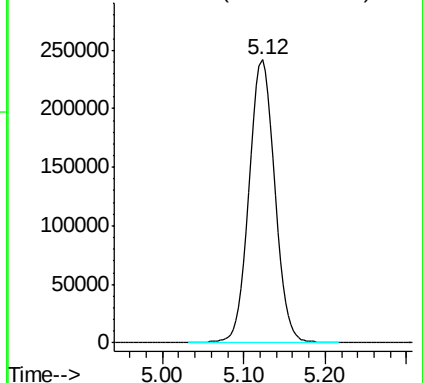
Lab File: VV016602.D

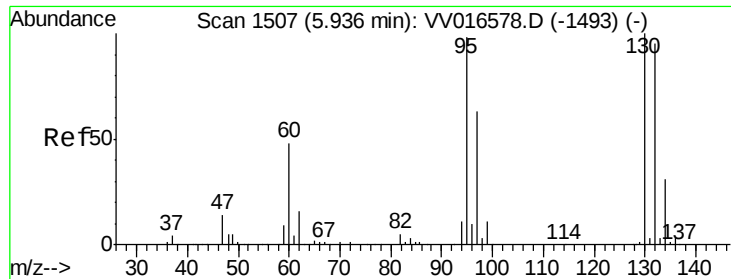
Acq: 06 Jun 2020 20:58

Tgt Ion: 78 Resp: 524663



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 49.221 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tot Ion: 95 Resp: 139021

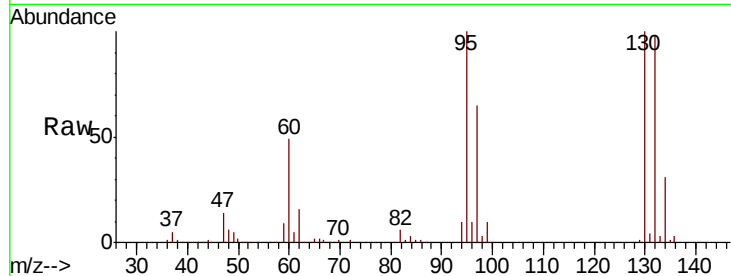
Ion Ratio Lower Upper

95 100

97 65.4 42.8 79.6

132 97.8 65.6 121.8

130 100.0 69.0 128.1

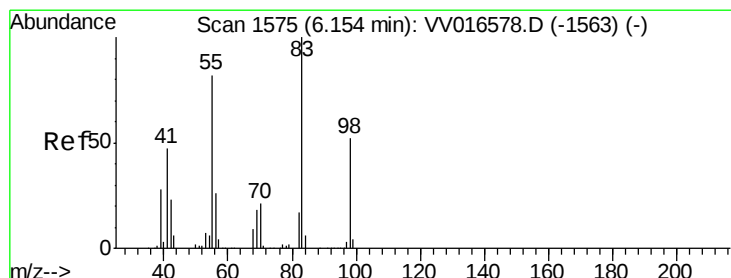
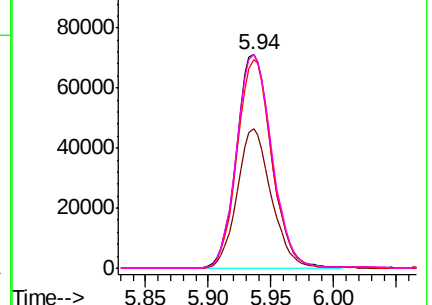
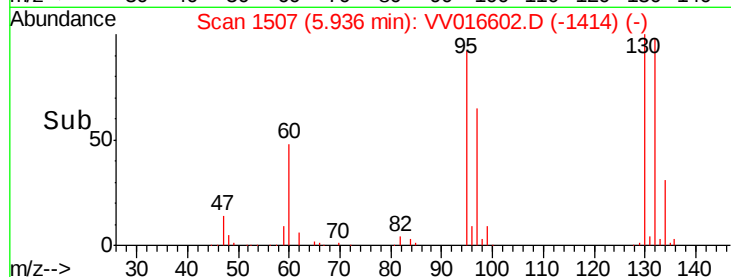


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 54.180 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

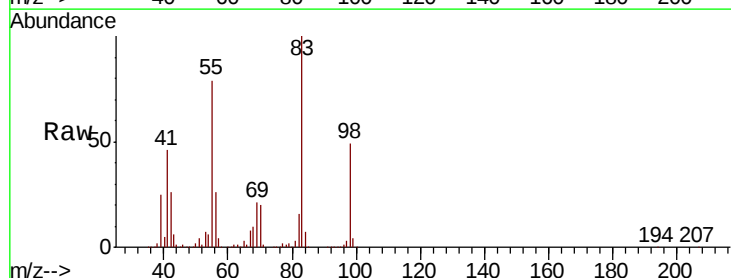
Tgt Ion: 83 Resp: 219655

Ion Ratio Lower Upper

83 100

55 79.1 63.4 95.0

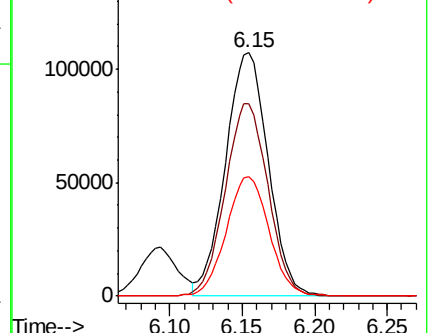
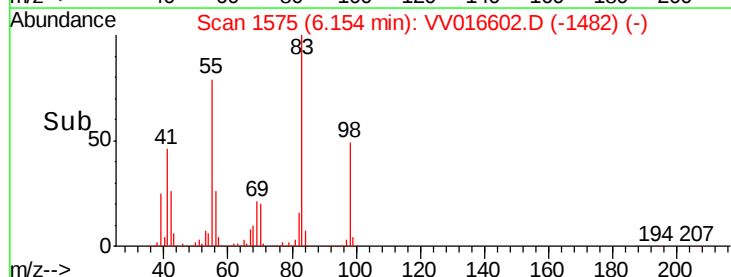
98 49.3 39.4 59.0

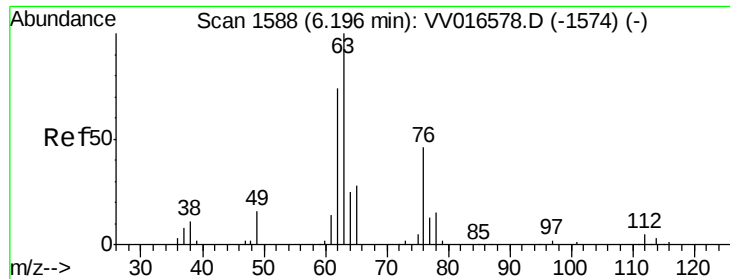


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

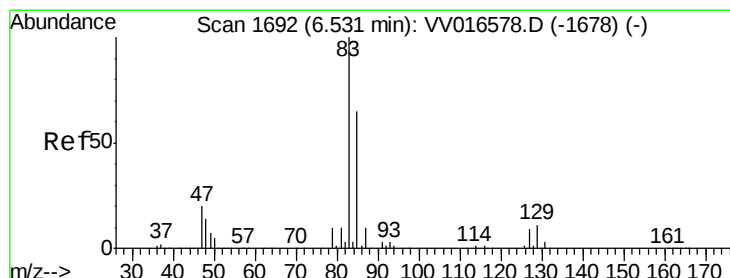
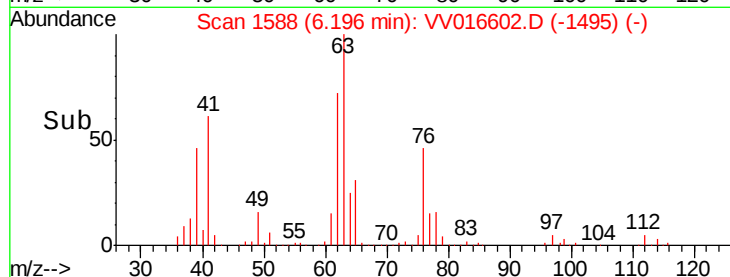
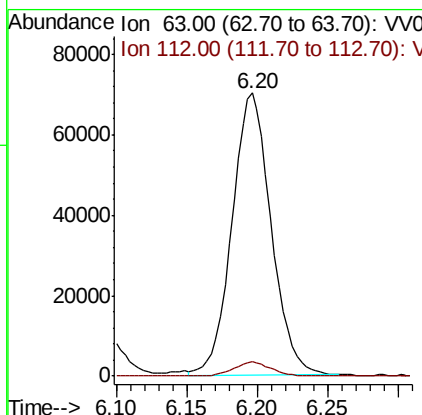
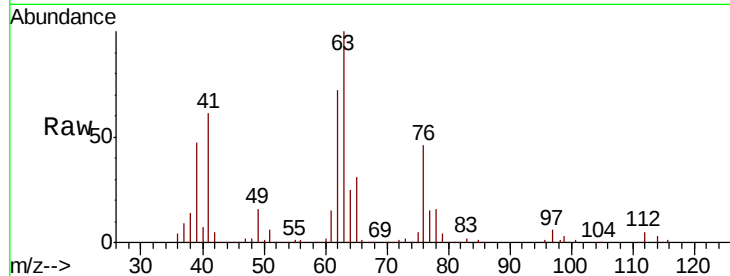




#37
 1,2-Dichloropropane
 Concen: 48.437 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

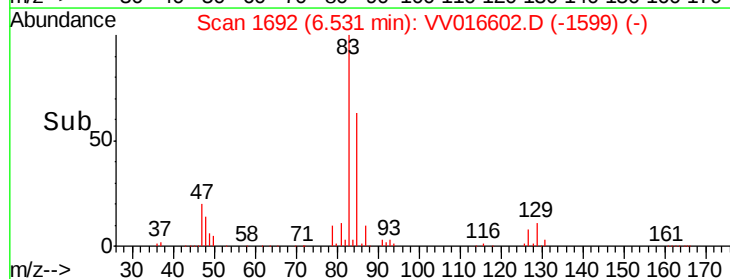
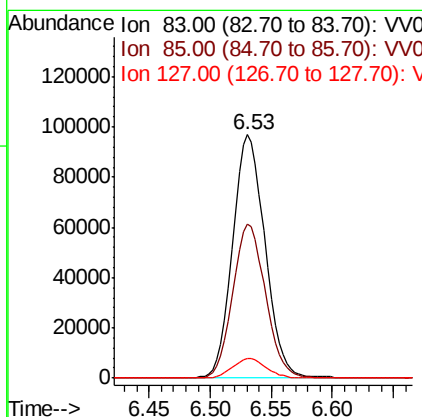
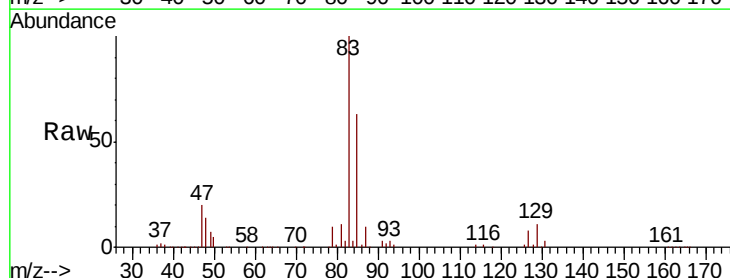
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

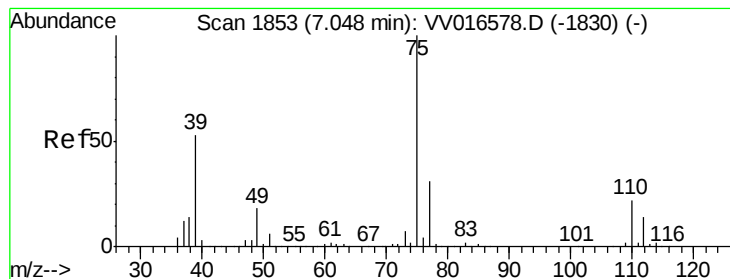
Tot Ion: 63 Resp: 135898
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.9 5.9



#38
 Bromodichloromethane
 Concen: 49.644 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

Tgt Ion: 83 Resp: 178965
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.4 82.5
 127 8.3 7.1 10.7



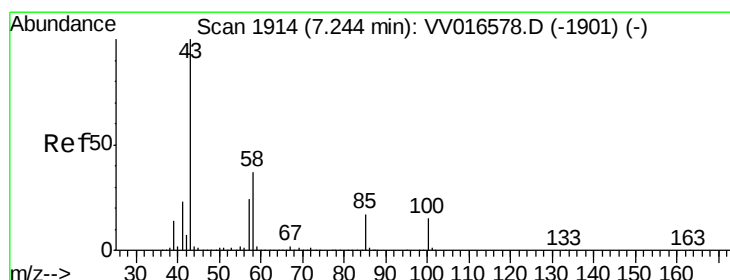
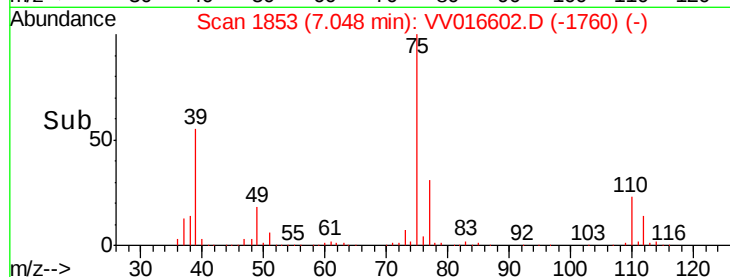
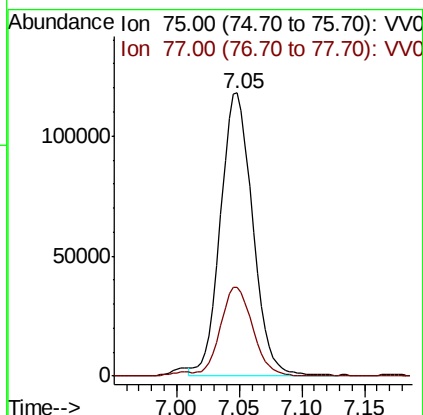
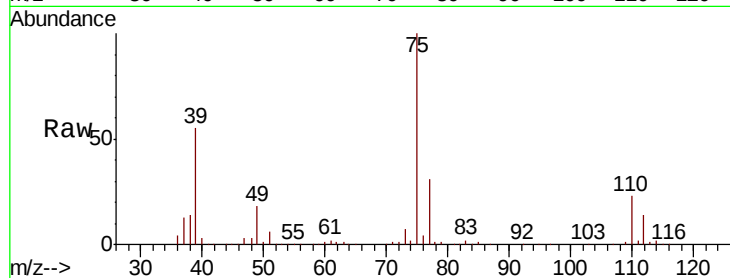


#39

cis-1,3-Dichloropropene
Concen: 51.164 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

Instrument :
MSVOA_V
ClientSampled :
VSTD05070

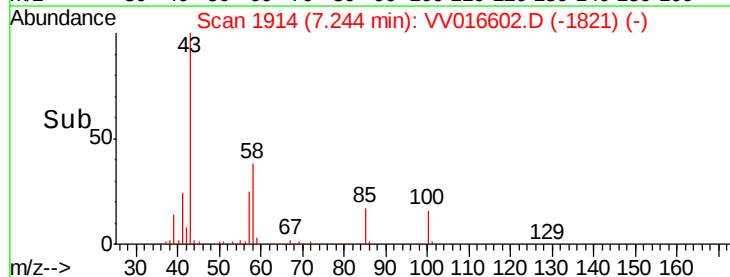
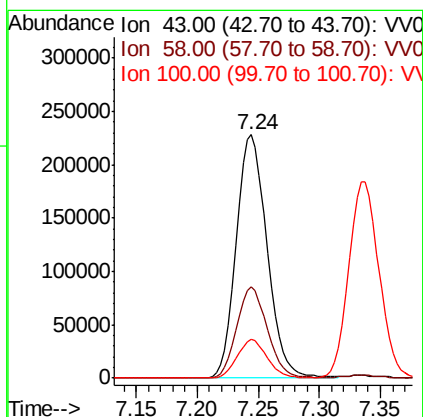
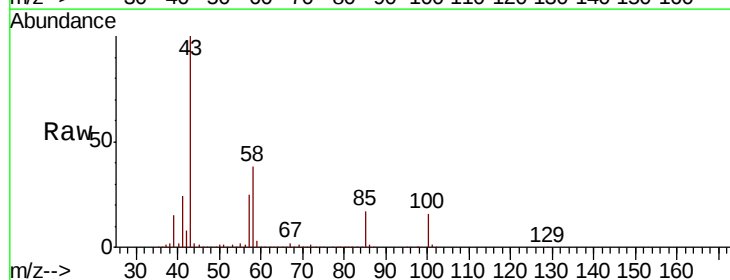
Tot Ion: 75 Resp: 209305
Ion Ratio Lower Upper
75 100
77 31.4 22.0 41.0

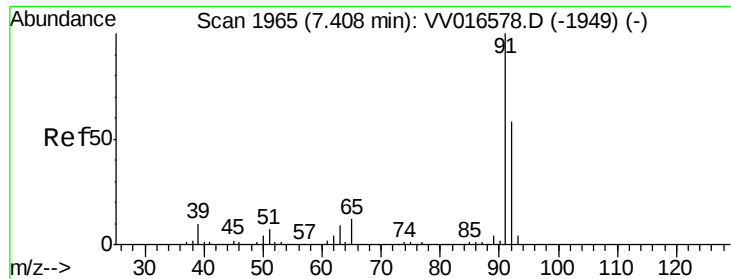


#40

4-Methyl-2-pentanone
Concen: 103.205 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

Tgt Ion: 43 Resp: 398424
Ion Ratio Lower Upper
43 100
58 37.2 29.9 44.9
100 15.3 11.9 17.9





#42

Toluene

Concen: 48.483 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

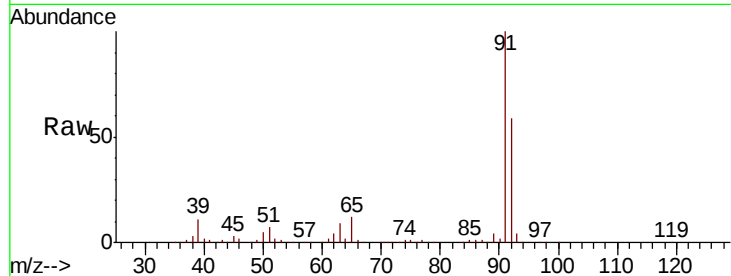
VSTD05070

Tot Ion: 91 Resp: 553008

Ion Ratio Lower Upper

91 100

92 58.8 40.9 75.9



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

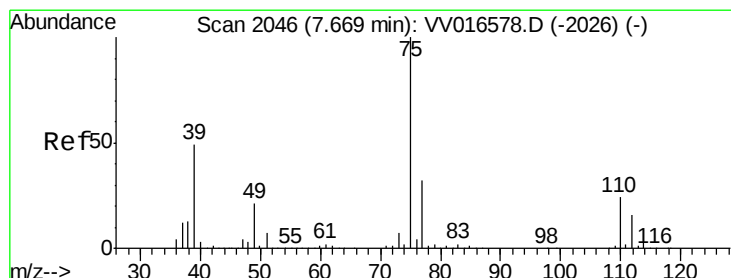
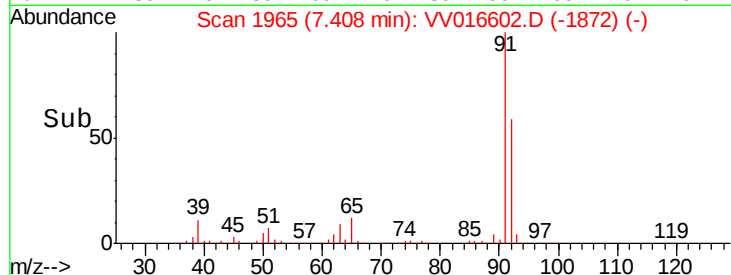
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.221 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV016602.D

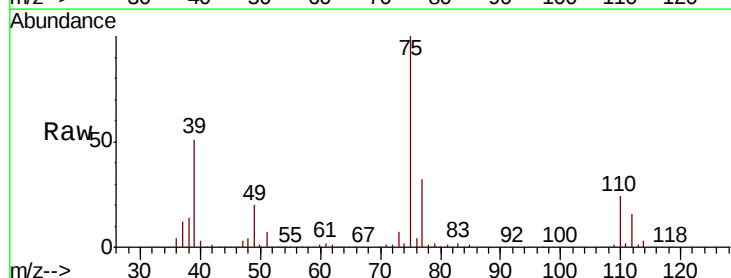
Acq: 06 Jun 2020 20:58

Tgt Ion: 75 Resp: 205585

Ion Ratio Lower Upper

75 100

77 32.1 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

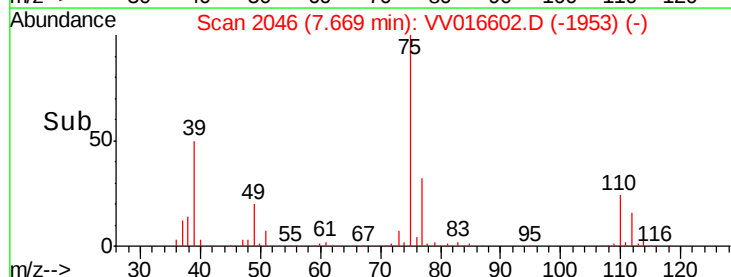
7.67

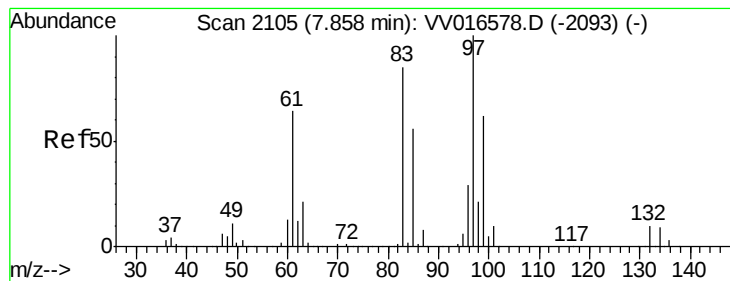
100000

50000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 48.128 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

Tot Ion: 97 Resp: 130569

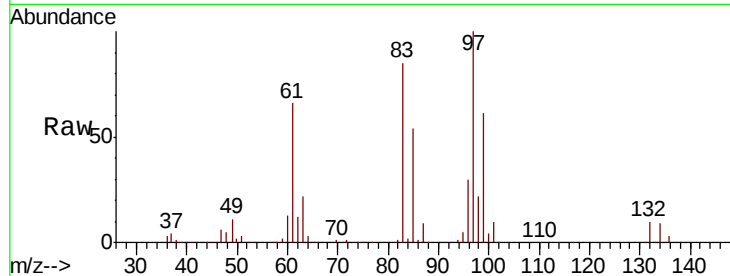
Ion Ratio Lower Upper

97 100

99 61.2 42.9 79.7

83 85.0 59.3 110.1

85 54.3 37.5 69.7

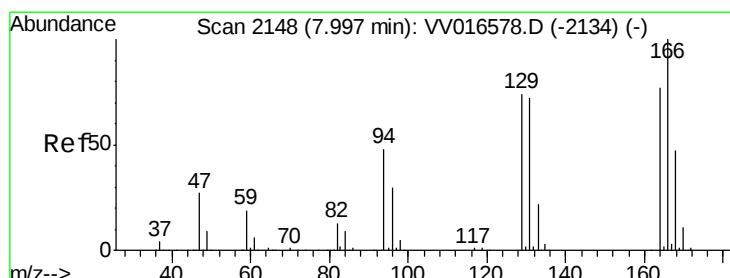
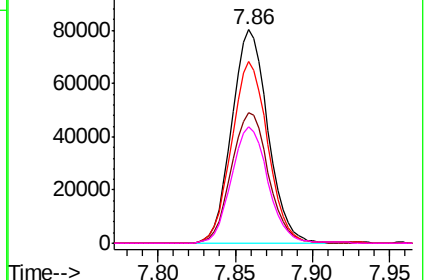
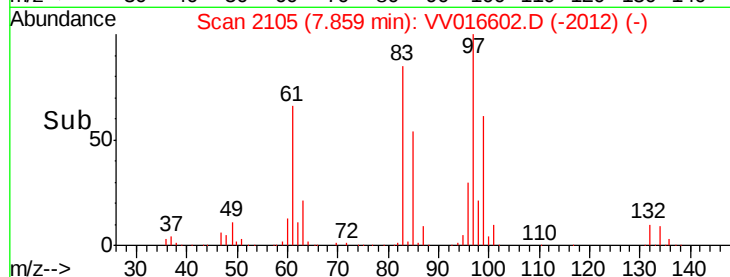


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 50.061 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Tgt Ion: 164 Resp: 109019

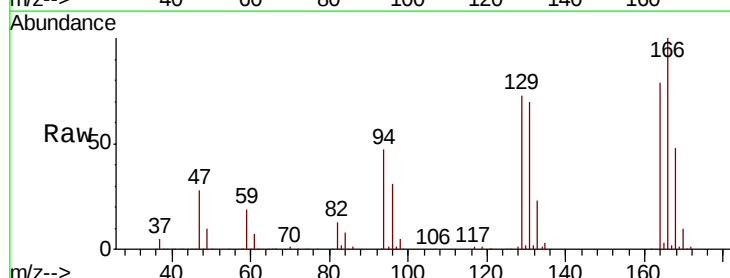
Ion Ratio Lower Upper

164 100

129 92.6 67.7 125.7

131 88.6 63.8 118.6

166 126.0 88.7 164.7

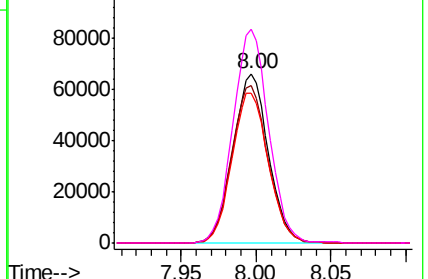
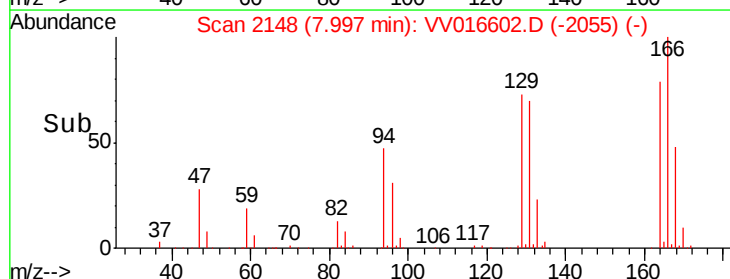


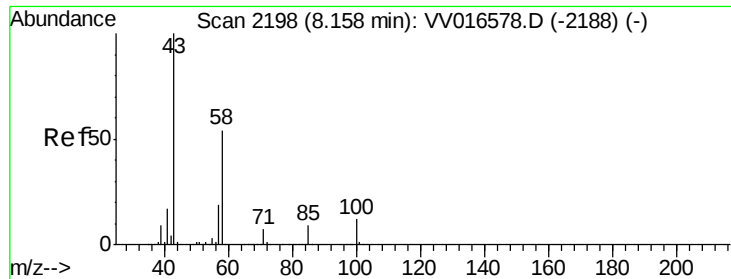
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

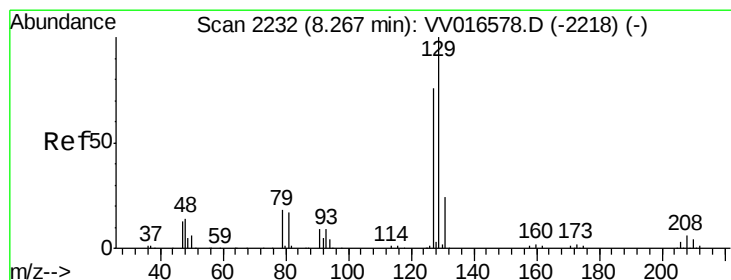
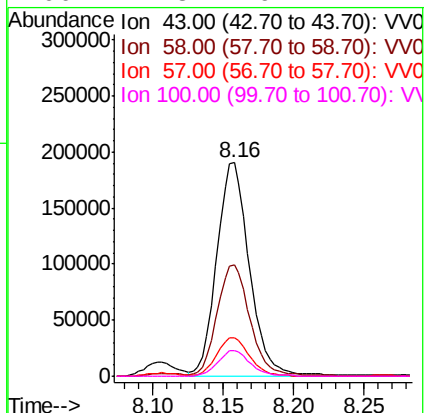
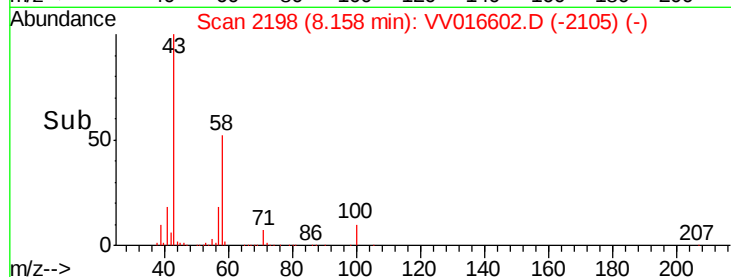
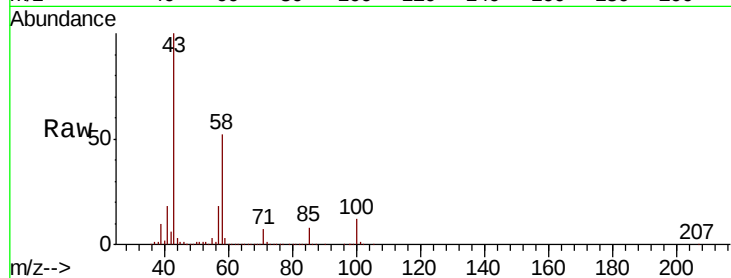




#48
2-Hexanone
Concen: 101.523 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

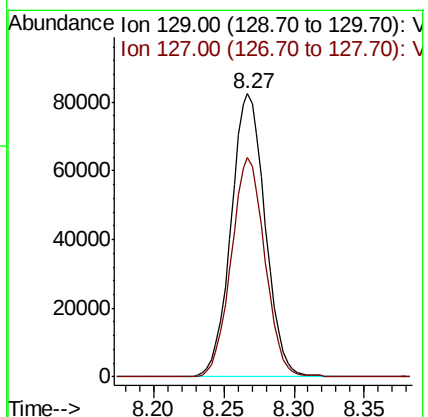
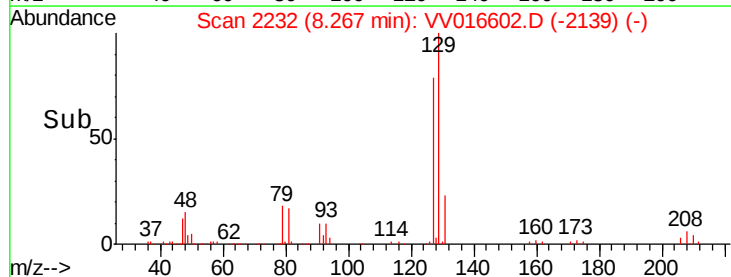
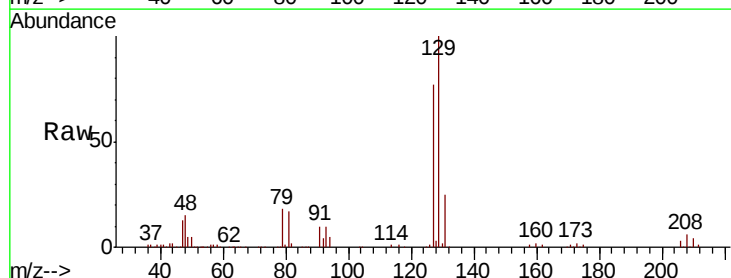
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

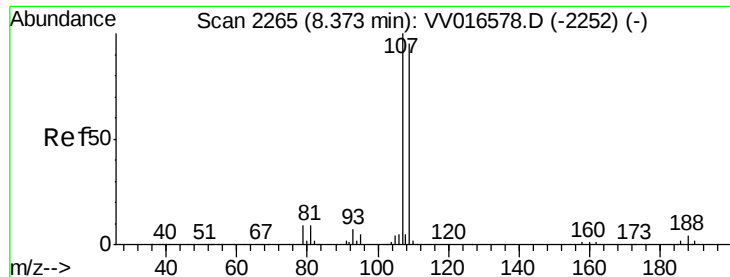
Tot Ion: 43 Resp: 304699
Ion Ratio Lower Upper
43 100
58 52.3 42.7 64.1
57 17.7 14.5 21.7
100 11.8 9.4 14.2



#49
Dibromochloromethane
Concen: 52.909 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV016602.D
Acq: 06 Jun 2020 20:58

Tgt Ion: 129 Resp: 139544
Ion Ratio Lower Upper
129 100
127 77.4 54.6 101.4

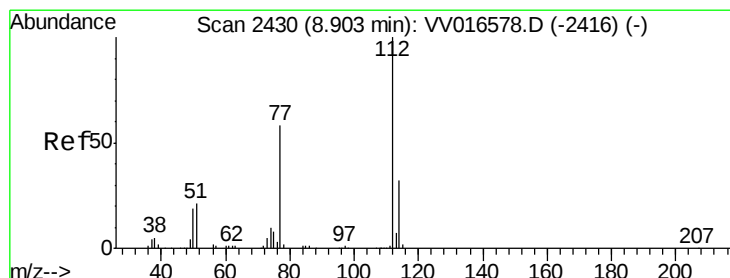
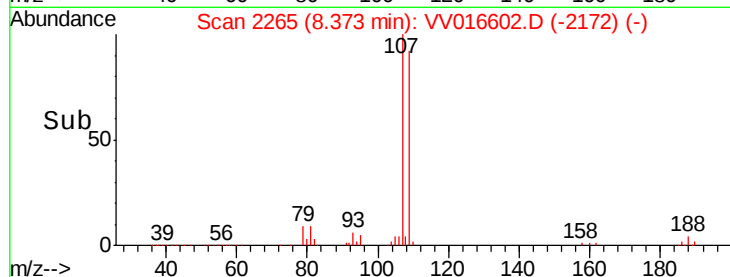
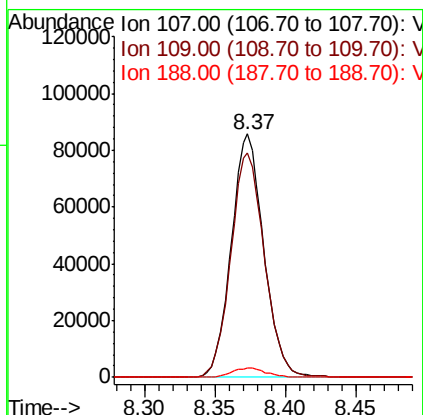
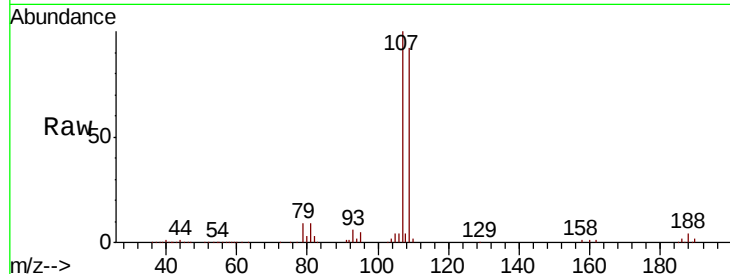




#50
 1,2-Dibromoethane
 Concen: 48.262 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

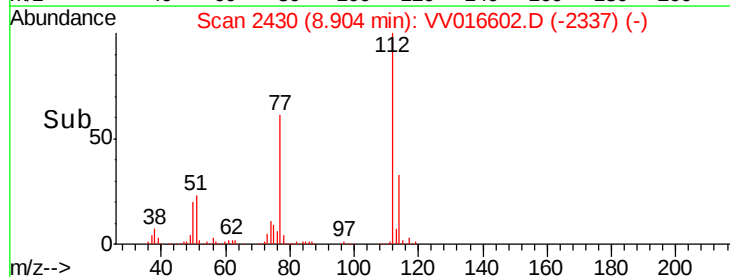
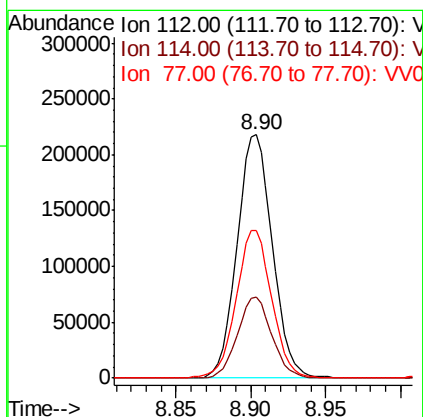
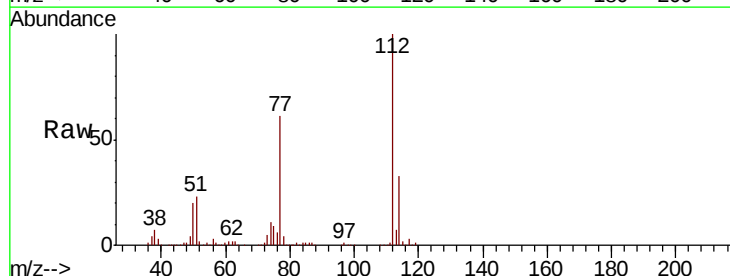
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

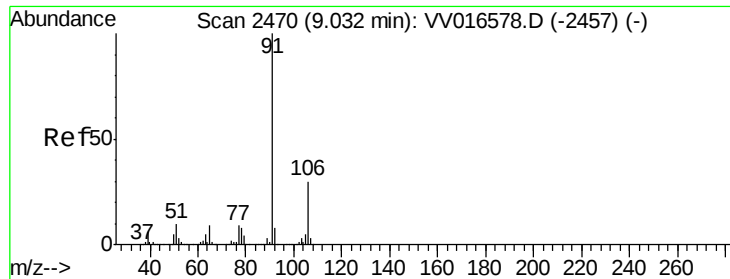
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.3	65.9	122.3
188	3.8	2.8	4.2



#51
 Chlorobenzene
 Concen: 47.733 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
112	100		
114	33.3	22.7	42.1
77	60.6	47.4	71.2





#52

Ethylbenzene

Concen: 50.668 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

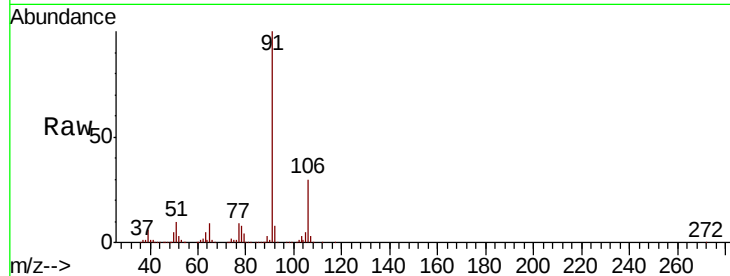
VSTD05070

Tot Ion: 91 Resp: 629007

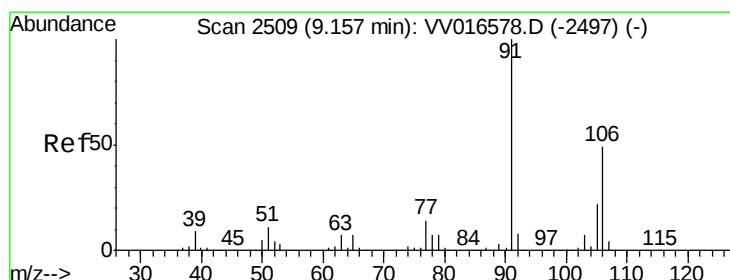
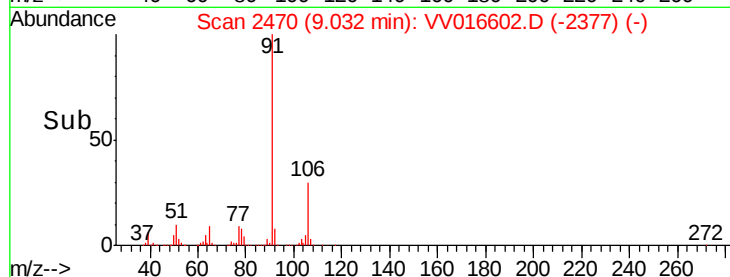
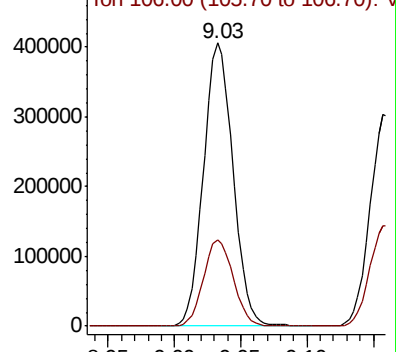
Ion Ratio Lower Upper

91 100

106 30.4 21.8 40.4



Abundance Ion 91.00 (90.70 to 91.70): VV016602.D (-2377) (-)



#53

m,p-Xylene

Concen: 50.297 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016602.D

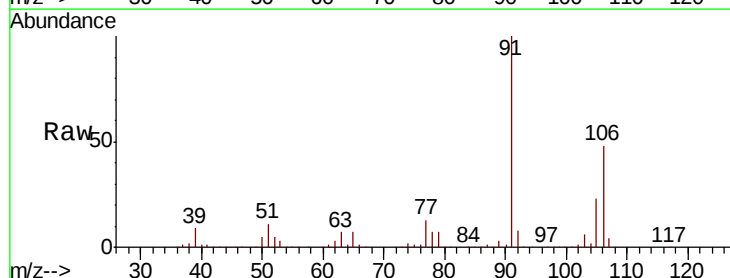
Acq: 06 Jun 2020 20:58

Tgt Ion: 106 Resp: 235444

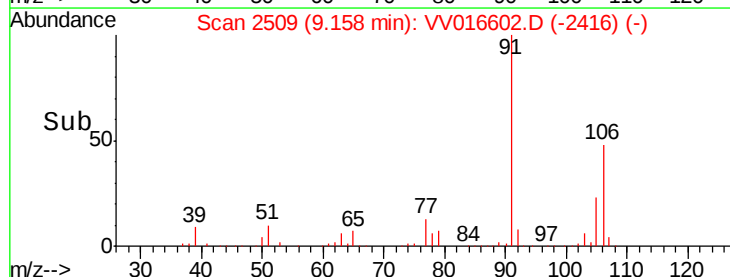
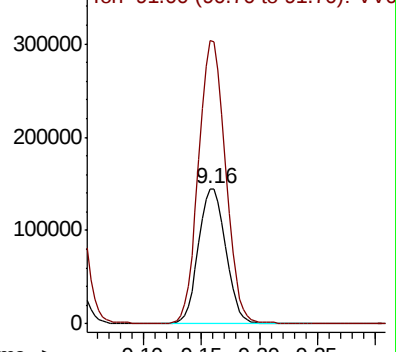
Ion Ratio Lower Upper

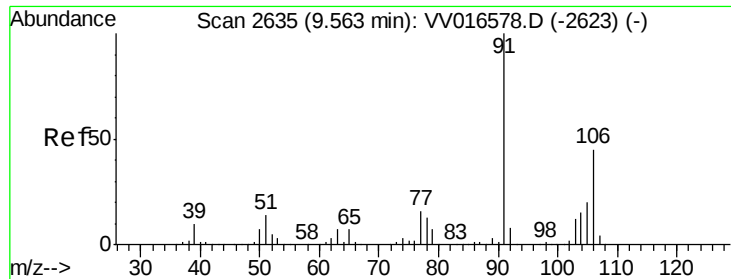
106 100

91 209.6 142.5 264.6



Abundance Ion 106.00 (105.70 to 106.70): VV016602.D (-2416) (-)





#54

o-xylene

Concen: 51.085 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

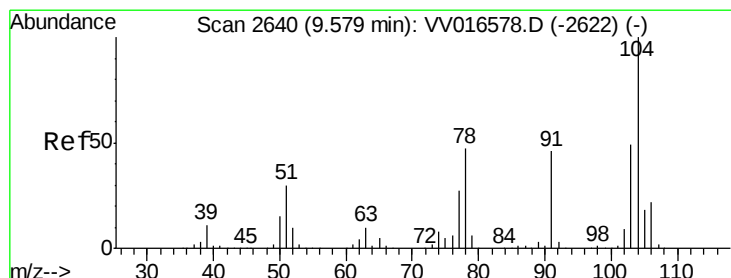
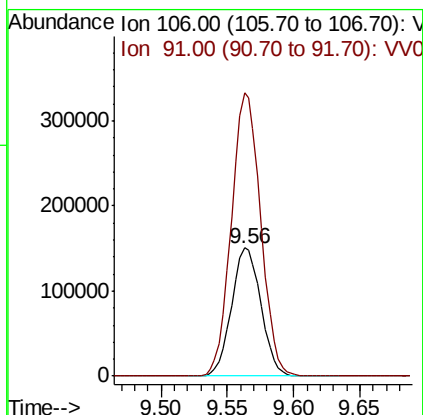
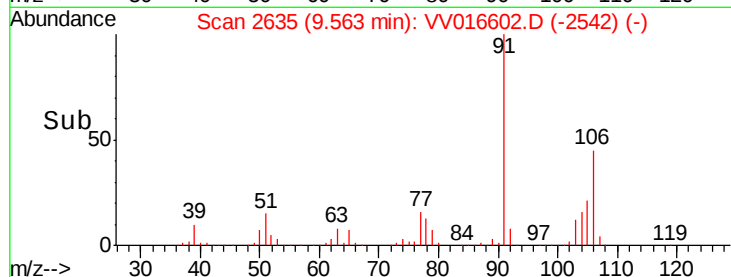
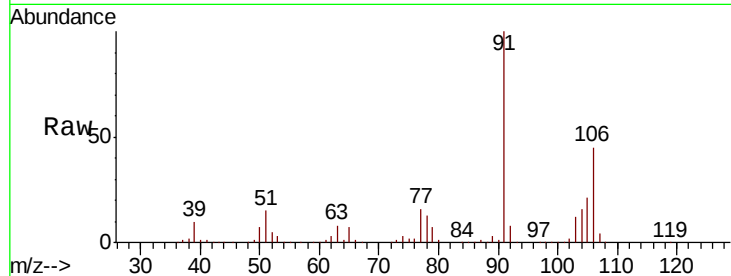
Instrument :
MSVOA_V
ClientSampleId :
VSTD05070

Tot Ion:106 Resp: 231594

Ion Ratio Lower Upper

106 100

91 220.4 152.5 283.1



#55

Styrene

Concen: 50.025 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016602.D

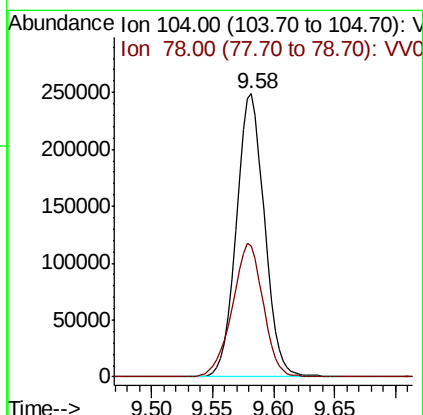
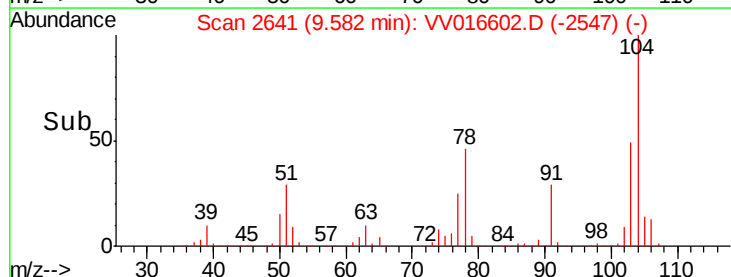
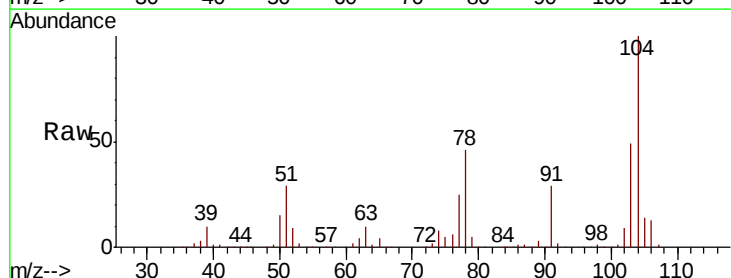
Acq: 06 Jun 2020 20:58

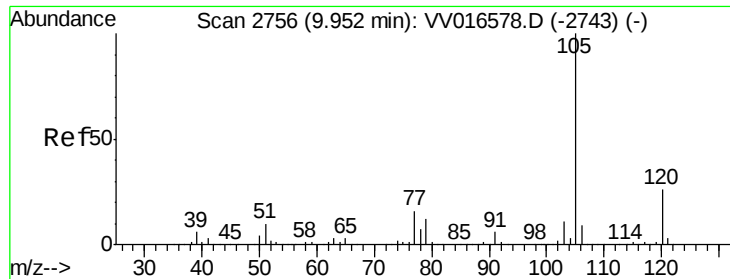
Tgt Ion:104 Resp: 397306

Ion Ratio Lower Upper

104 100

78 46.4 31.9 59.3





#56

Isopropylbenzene

Concen: 53.270 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampled :

VSTD05070

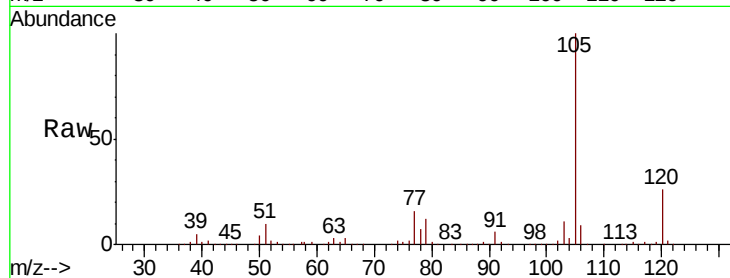
Tot Ion:105 Resp: 627293

Ion Ratio Lower Upper

105 100

120 26.5 21.0 31.6

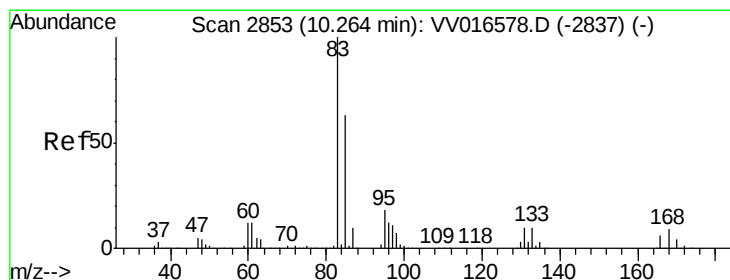
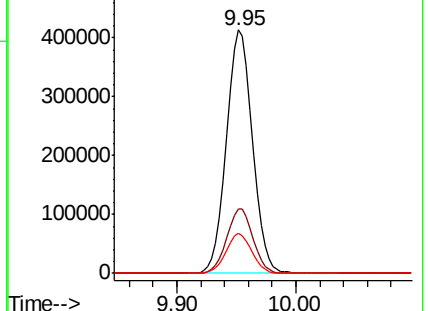
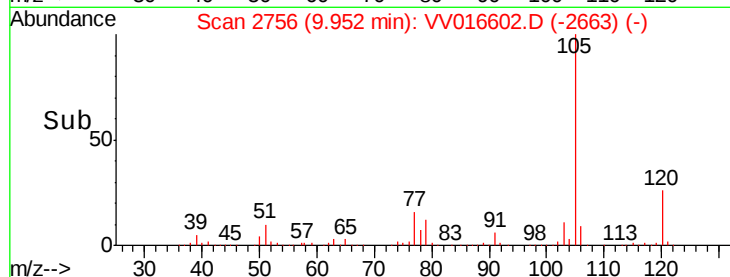
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 47.761 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

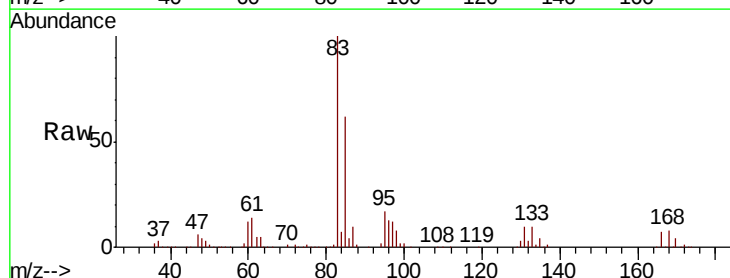
Tgt Ion: 83 Resp: 207853

Ion Ratio Lower Upper

83 100

85 61.8 44.0 81.6

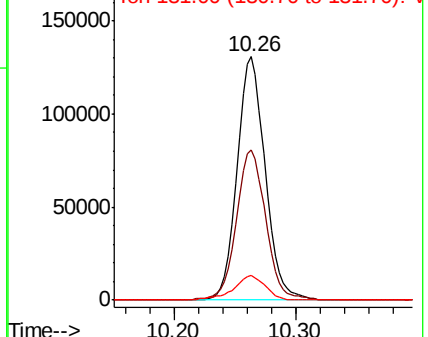
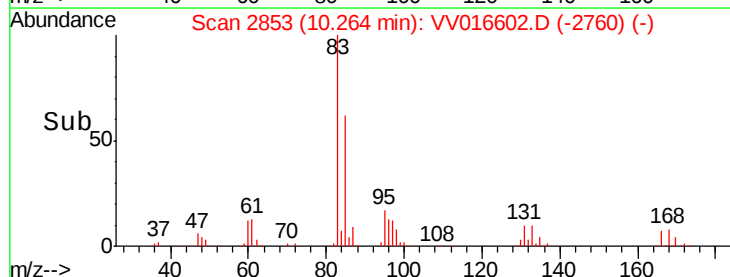
131 9.9 7.6 11.4

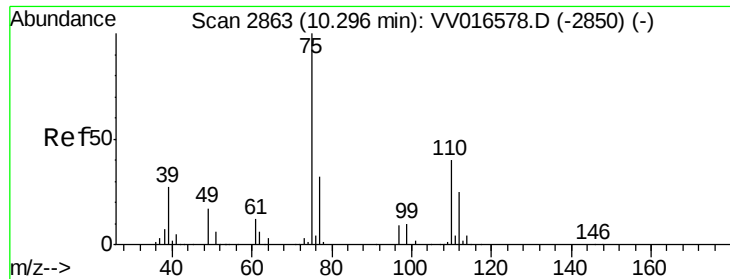


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.956 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

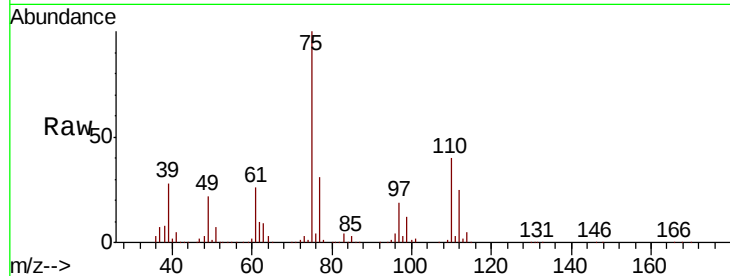
VSTD05070

Tot Ion: 75 Resp: 167899

Ion Ratio Lower Upper

75 100

77 31.2 26.6 40.0



Abundance Ion 75.00 (74.70 to 75.70): VV016602.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016602.D (-2241) (-)

10.30

120000

100000

80000

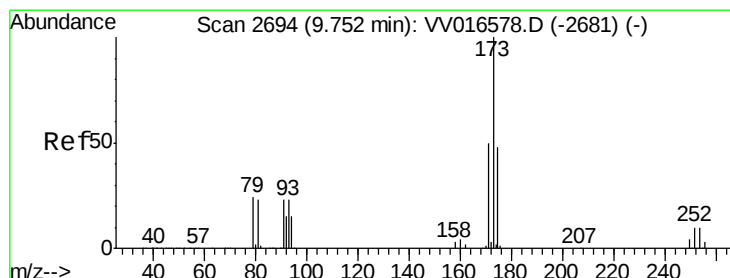
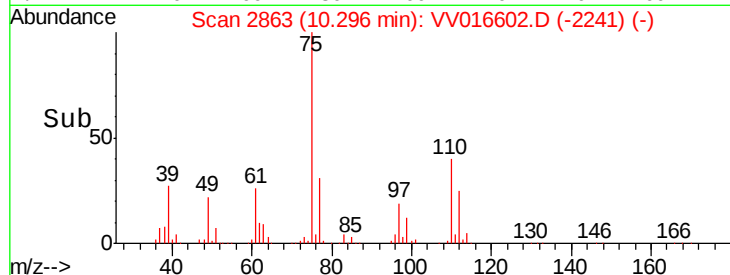
60000

40000

20000

0

Time--> 10.20 10.25 10.30 10.35



#61

Bromoform

Concen: 58.104 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

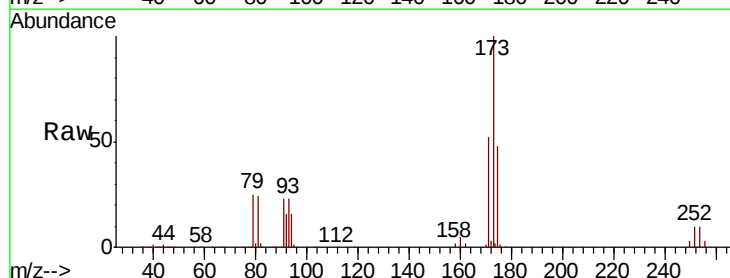
Tgt Ion: 173 Resp: 91897

Ion Ratio Lower Upper

173 100

175 48.7 38.8 58.2

254 9.7 7.9 11.9



Abundance Ion 173.00 (172.70 to 173.70): VV016602.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV016602.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV016602.D (-2601) (-)

9.75

80000

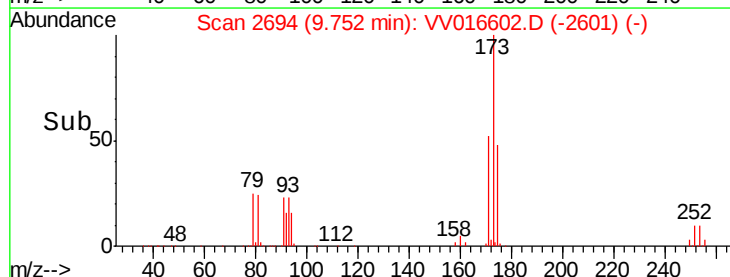
60000

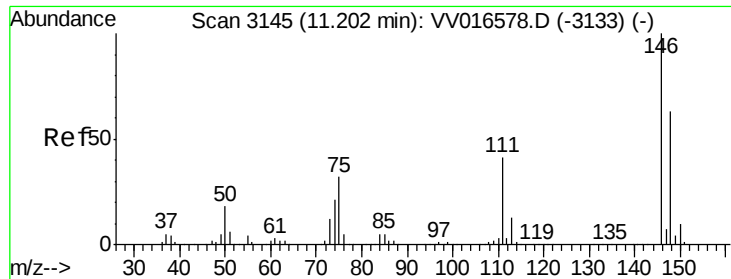
40000

20000

0

Time--> 9.70 9.75 9.80 9.85

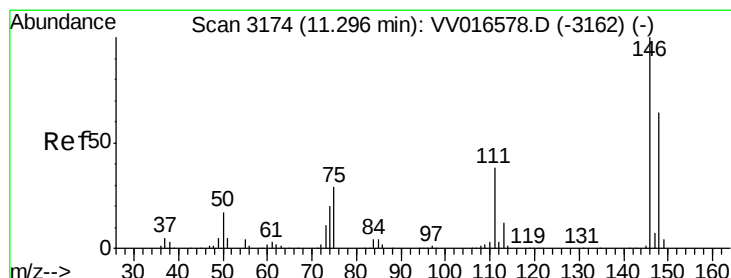
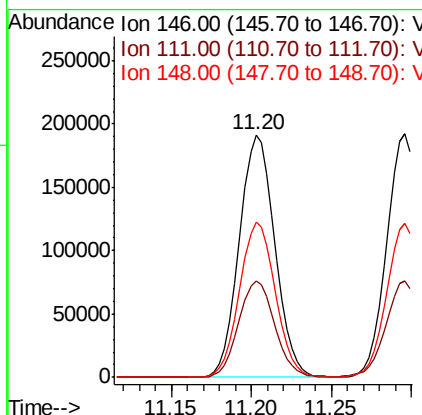
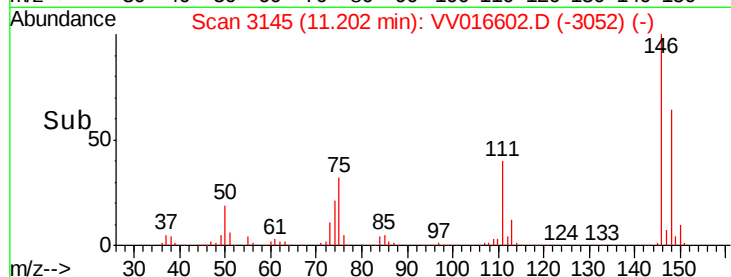
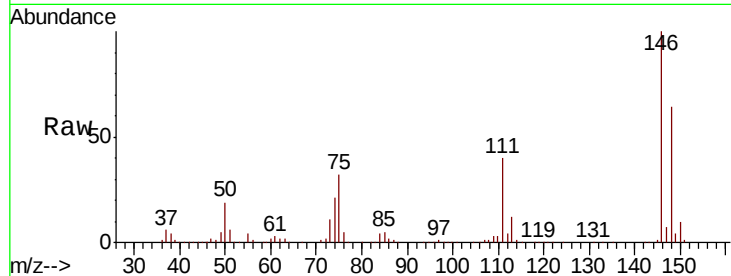




#62
 1,3-Dichlorobenzene
 Concen: 49.575 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

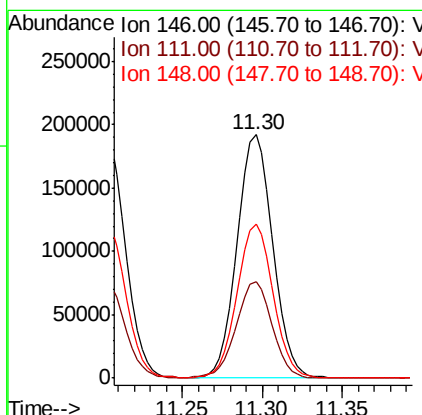
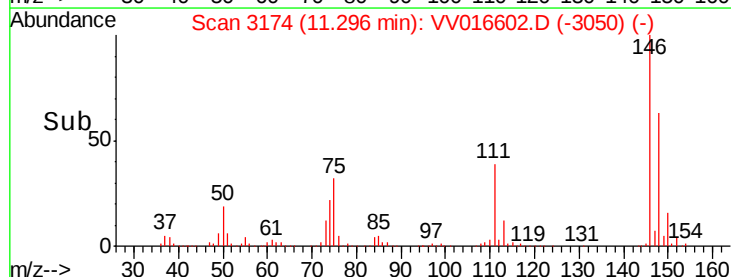
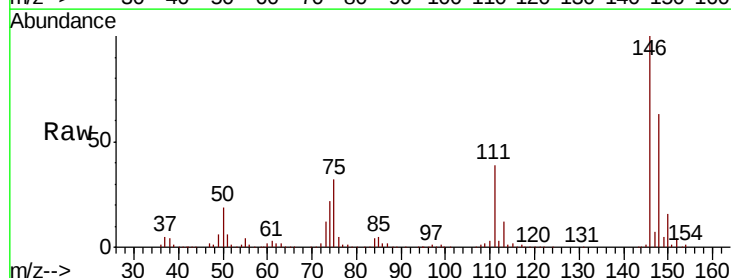
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

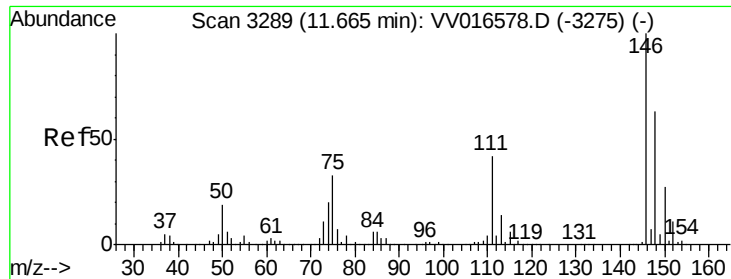
Tot Ion:146 Resp: 290126
 Ion Ratio Lower Upper
 146 100
 111 39.7 29.8 55.3
 148 64.1 44.0 81.8



#63
 1,4-Dichlorobenzene
 Concen: 47.738 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

Tgt Ion:146 Resp: 289875
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.3 50.7
 148 63.1 44.5 82.7





#65

1,2-Dichlorobenzene

Concen: 50.081 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

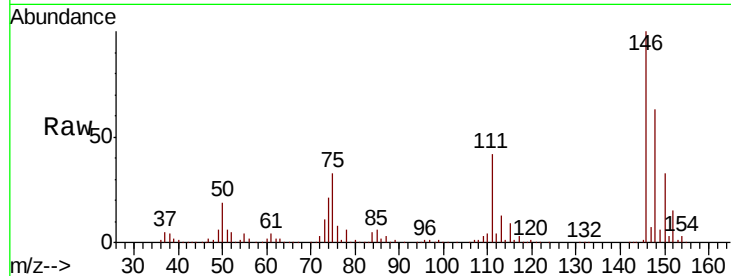
Tot Ion:146 Resp: 295002

Ion Ratio Lower Upper

146 100

111 41.6 33.6 50.4

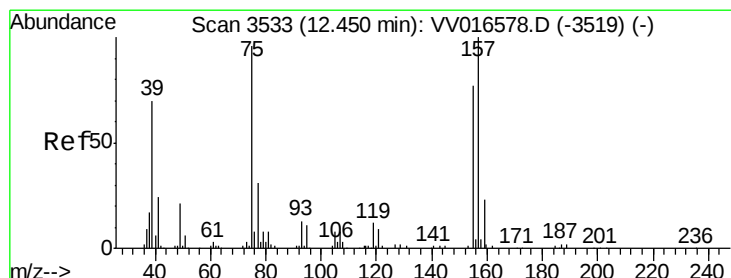
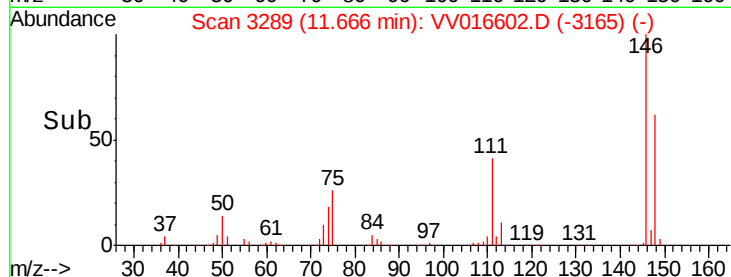
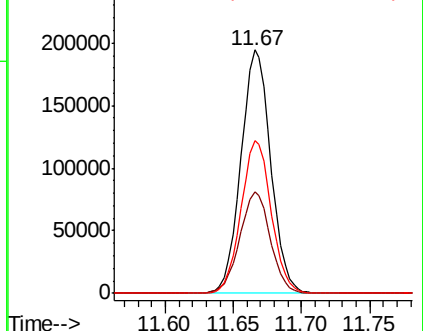
148 62.8 51.5 77.3



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: 51.322 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

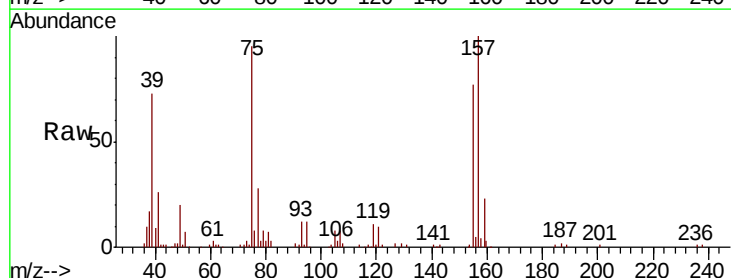
Tgt Ion: 75 Resp: 45879

Ion Ratio Lower Upper

75 100

155 80.8 66.2 99.2

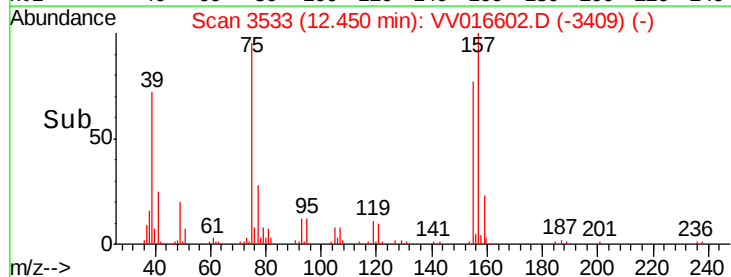
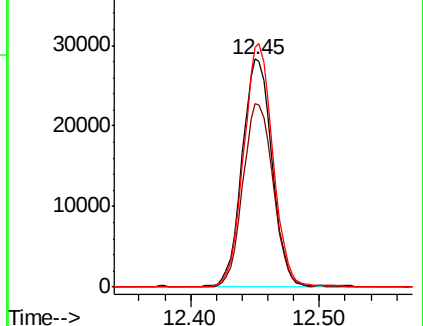
157 105.5 83.0 124.4

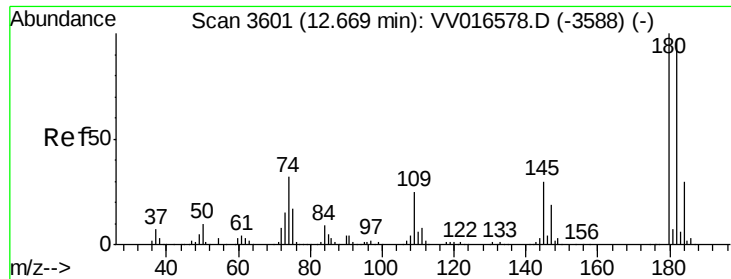


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

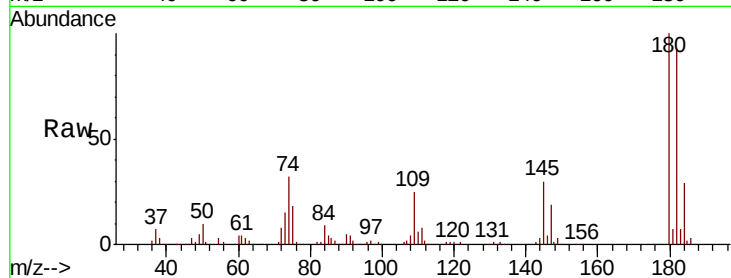




#67
 1,3,5-Trichlorobenzene
 Concen: 53.897 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05070

Tot Ion	Ratio	Lower	Upper
180	100		
182	94.2	75.8	113.8
184	29.5	24.4	36.6
145	29.9	24.2	36.2



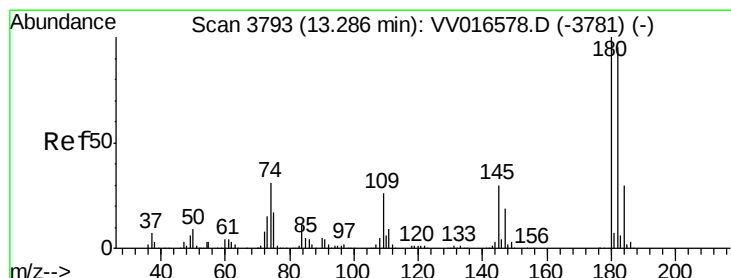
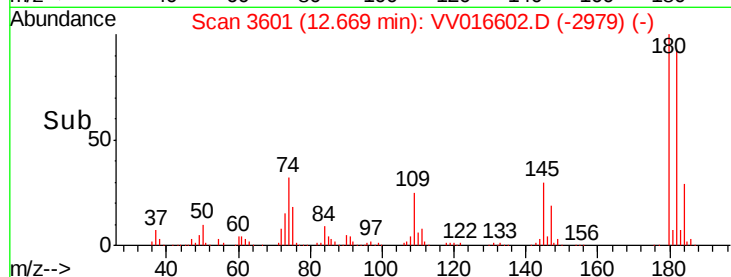
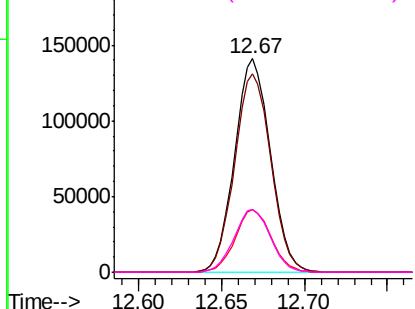
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

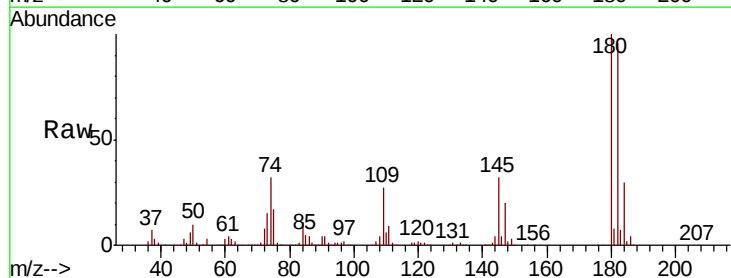
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.833 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016602.D
 Acq: 06 Jun 2020 20:58

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.0	74.6	111.8
145	31.4	24.5	36.7

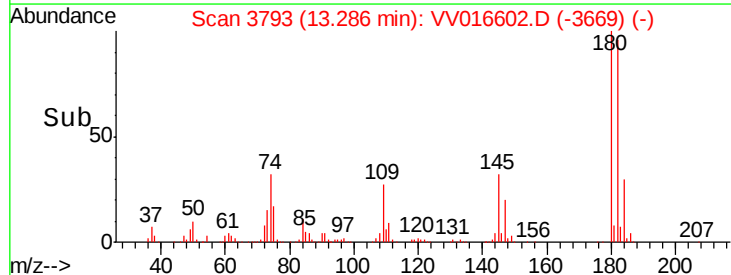
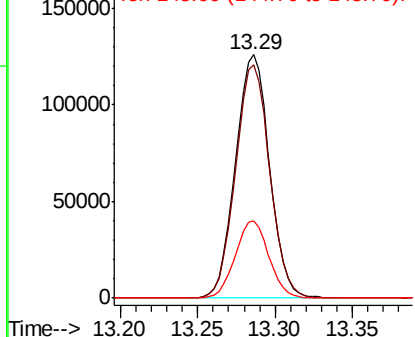


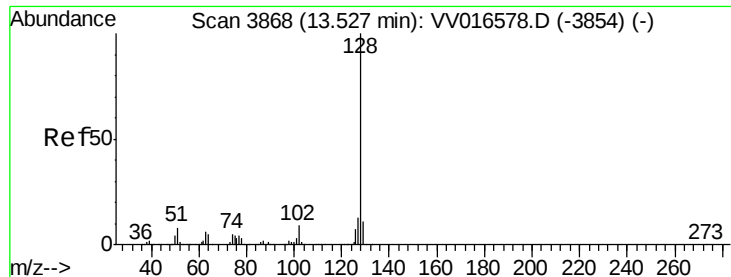
Abundance

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: 52.509 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

Instrument :

MSVOA_V

ClientSampleId :

VSTD05070

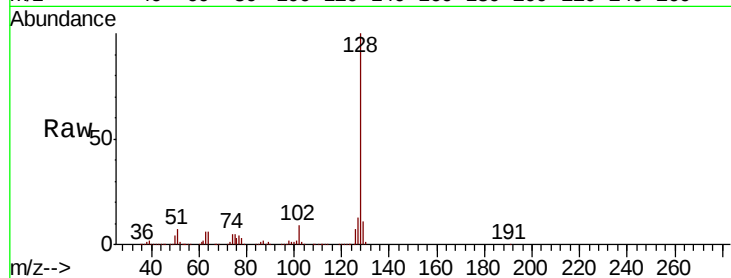
Tot Ion:128 Resp: 587476

Ion Ratio Lower Upper

128 100

127 13.2 10.2 15.4

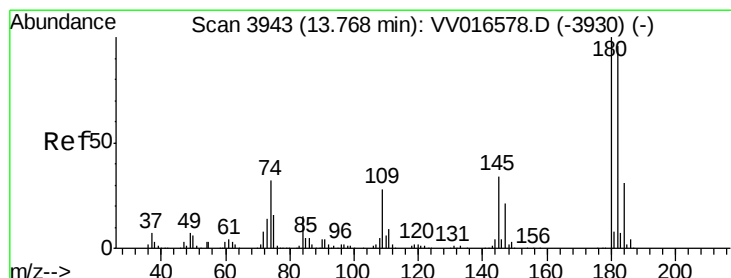
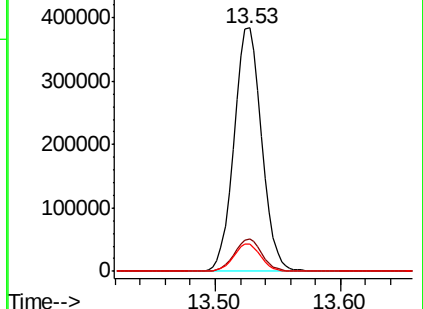
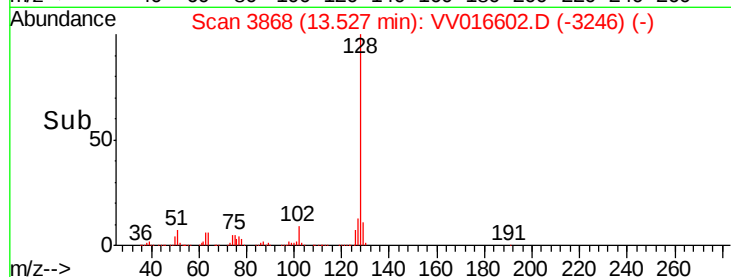
129 11.1 8.7 13.1



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: 55.607 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016602.D

Acq: 06 Jun 2020 20:58

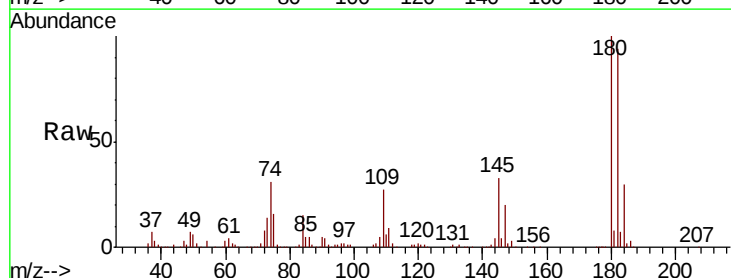
Tgt Ion:180 Resp: 192681

Ion Ratio Lower Upper

180 100

182 95.1 76.0 114.0

145 33.1 26.5 39.7



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

