

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062320\
 Data File : VV017020.D
 Acq On : 22 Jun 2020 15:26
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 23 04:41:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 17:11:56 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	199392	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	189675	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	102470	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	47547	3.97	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	79.40%
7) Chloroethane-d5	1.58	69	36613	4.21	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	84.20%
11) 1,1-Dichloroethene-d2	2.13	63	95960	4.21	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	84.20%
20) 2-Butanone-d5	3.94	46	145164	47.60	ug/L	0.02
Spiked Amount	50.000	Range	40 - 130	Recovery	=	95.20%
24) Chloroform-d	4.37	84	119195	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	93.20%
26) 1,2-Dichloroethane-d4	5.06	65	62735	4.62	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	92.40%
32) Benzene-d6	5.07	84	221177	4.50	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	90.00%
36) 1,2-Dichloropropane-d6	6.09	67	65309	4.43	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	88.60%
41) Toluene-d8	7.33	98	215204	4.66	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	93.20%
45) trans-1,3-Dichloropropene-	7.64	79	28366	4.62	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	92.40%
48) 2-Hexanone-d5	8.11	63	100601	43.03	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.06%
59) 1,1,2,2-Tetrachloroethane-	10.24	84	45973	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	94.00%
65) 1,2-Dichlorobenzene-d4	11.65	152	82763	4.37	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	87.40%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	79557	4.998	ug/L 98
3) Chloromethane	1.25	50	63840	4.733	ug/L 97
5) Vinyl chloride	1.32	62	62750	4.796	ug/L 97
6) Bromomethane	1.53	94	38951	5.108	ug/L 99
8) Chloroethane	1.60	64	37522	5.189	ug/L 97
9) Trichlorofluoromethane	1.77	101	105024	4.957	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	52305	4.953	ug/L 99
12) 1,1-Dichloroethene	2.13	96	47753	4.990	ug/L 89
13) Acetone	2.21	43	84042	54.510	ug/L 92
14) Carbon disulfide	2.31	76	139287	4.858	ug/L 98
15) Methyl Acetate	2.46	43	18393	4.879	ug/L 93
16) Methylene chloride	2.52	84	48678	4.750	ug/L 97
17) Methyl tert-butyl Ether	2.79	73	123150	5.125	ug/L 98
18) trans-1,2-Dichloroethene	2.78	96	51506	5.079	ug/L 96
19) 1,1-Dichloroethane	3.21	63	110931	4.869	ug/L 98
21) 2-Butanone	4.03	43	161906	55.708	ug/L 99
22) cis-1,2-Dichloroethene	3.94	96	69095	4.983	ug/L 97

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 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :

Quant Time: Jun 23 04:41:49 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
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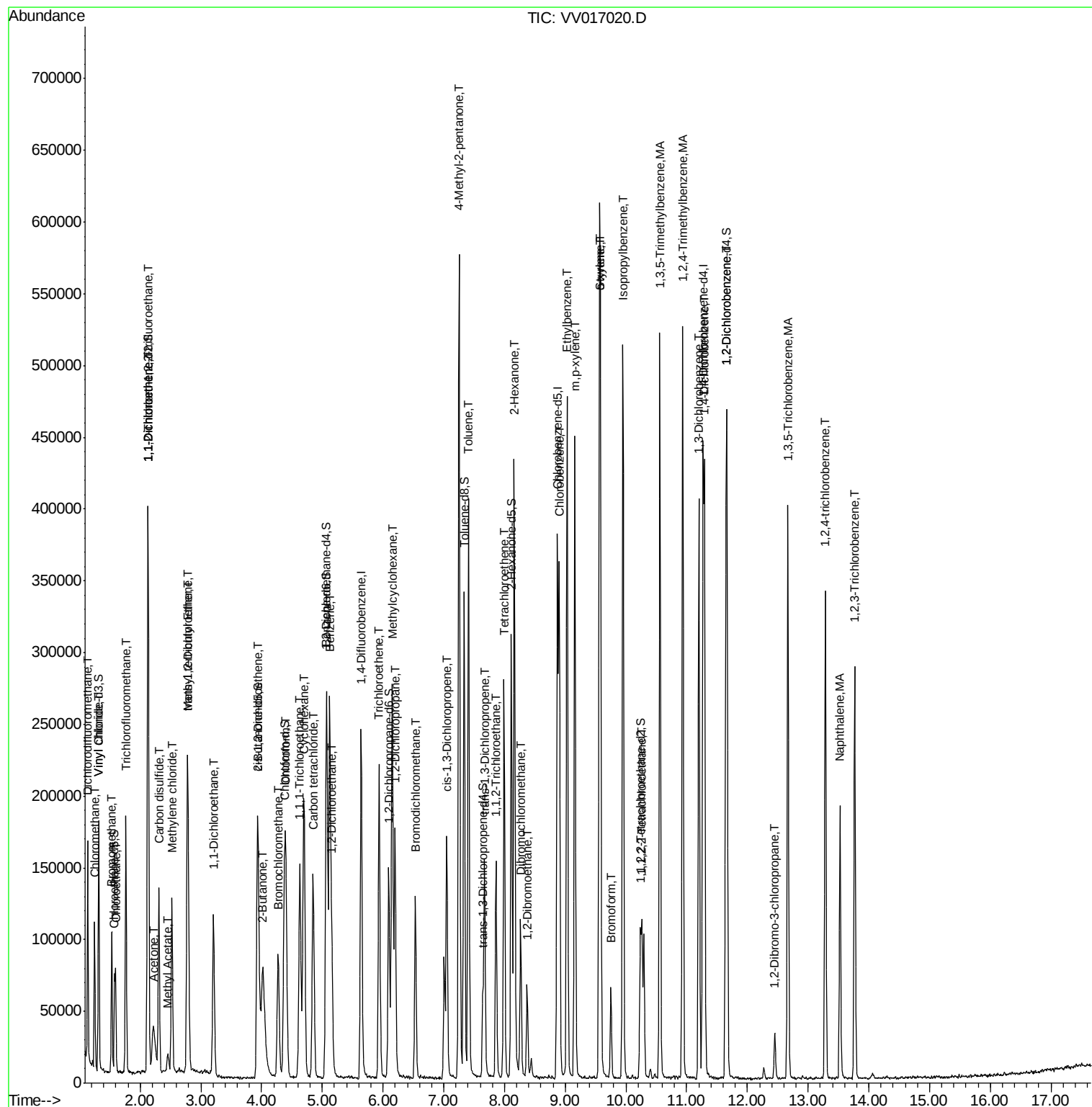
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	31138	5.284	ug/L	99
25) Chloroform	4.40	83	123425	4.959	ug/L	98
27) 1,2-Dichloroethane	5.16	62	80273	5.192	ug/L	98
29) 1,1,1-Trichloroethane	4.63	97	117043	5.151	ug/L	97
30) Cyclohexane	4.70	56	105146	4.862	ug/L	99
31) Carbon tetrachloride	4.85	117	104522	5.097	ug/L	97
33) Benzene	5.12	78	253595	5.105	ug/L	100
34) Trichloroethene	5.94	95	72084	4.956	ug/L	97
35) Methylcyclohexane	6.15	83	110322	4.879	ug/L	98
37) 1,2-Dichloropropane	6.20	63	63272	5.146	ug/L #	92
38) Bromodichloromethane	6.53	83	82366	4.931	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	90608	4.960	ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	377891	53.227	ug/L	99
42) Toluene	7.41	91	280806	4.862	ug/L	98
43) 1,3,5-Trimethylbenzene	10.56	105	266294	5.156	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	270706	5.148	ug/L	99
46) trans-1,3-Dichloropropene	7.67	75	79071	5.004	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	43784	5.020	ug/L	98
49) Tetrachloroethene	7.99	164	58793	5.022	ug/L	98
50) 2-Hexanone	8.16	43	271857	53.807	ug/L	99
51) Dibromochloromethane	8.27	129	52952	5.009	ug/L	96
52) 1,2-Dibromoethane	8.37	107	40811	4.934	ug/L	99
53) Chlorobenzene	8.90	112	181321	5.037	ug/L	99
54) Ethylbenzene	9.03	91	315849	5.124	ug/L	99
55) m,p-xylene	9.16	106	117962	4.879	ug/L	96
56) o-xylene	9.56	106	113530	5.032	ug/L	97
57) Styrene	9.58	104	198800	5.318	ug/L	97
58) Isopropylbenzene	9.95	105	318320	5.127	ug/L	99
60) 1,1,2,2-Tetrachloroethane	10.26	83	47381	5.252	ug/L	98
62) Bromoform	9.75	173	25853	4.716	ug/L	99
63) 1,3-Dichlorobenzene	11.20	146	152389	4.940	ug/L	99
64) 1,4-Dichlorobenzene	11.29	146	152646	4.868	ug/L	98
66) 1,2-Dichlorobenzene	11.67	146	141986	5.071	ug/L	98
67) 1,2-Dibromo-3-chloropropan	12.45	75	7741	4.999	ug/L	92
68) 1,3,5-Trichlorobenzene	12.67	180	120437	4.859	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	99543	4.879	ug/L	98
70) Naphthalene	13.52	128	146910	5.099	ug/L	99
71) 1,2,3-Trichlorobenzene	13.77	180	84515	5.079	ug/L	99

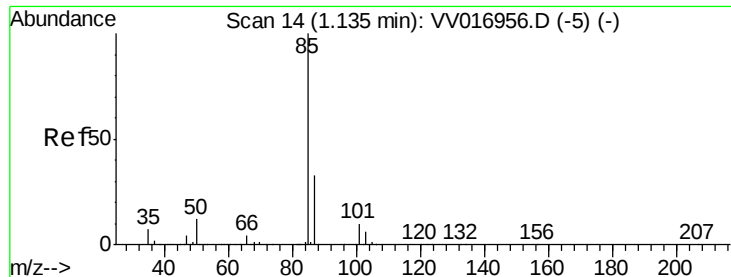
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :

Quant Time: Jun 23 04:41:49 2020
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#2

Dichlorodifluoromethane

Concen: 4.998 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

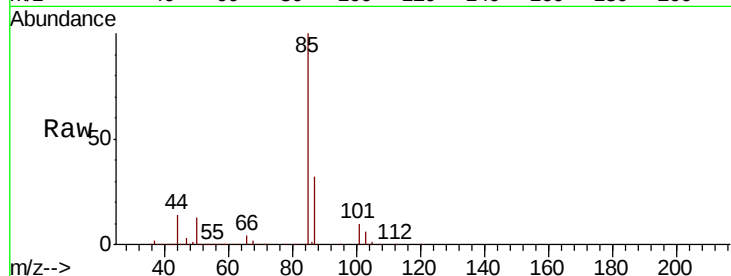
Instrument :
MSVOA_V
ClientSampled :

Tot Ion: 85 Resp: 79557

Ion Ratio Lower Upper

85 100

87 31.8 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV017020.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV017020.D (-1) (-)

1.14

80000

60000

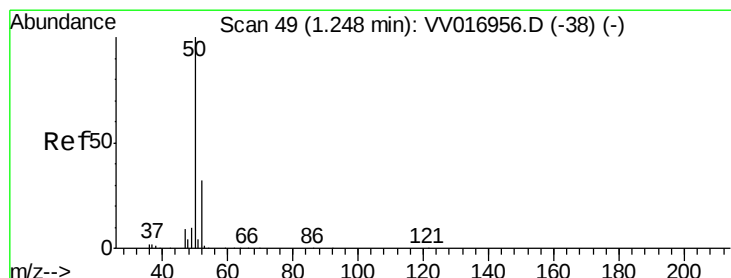
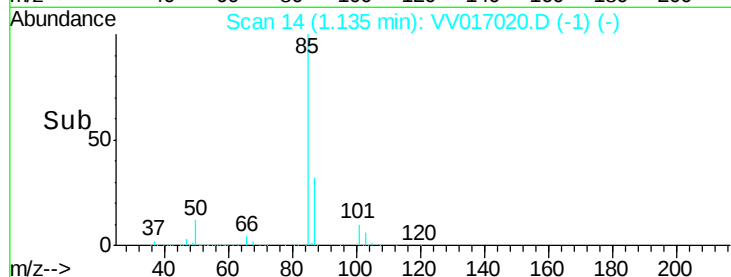
40000

20000

0

Time-->

1.10 1.15 1.20



#3

Chloromethane

Concen: 4.733 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV017020.D

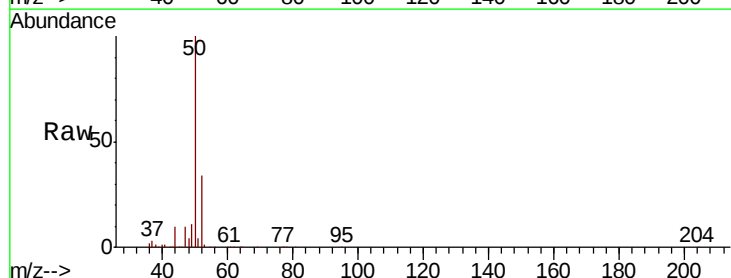
Acq: 22 Jun 2020 15:26

Tgt Ion: 50 Resp: 63840

Ion Ratio Lower Upper

50 100

52 33.7 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV017020.D (-1) (-)

Ion 52.05 (51.75 to 52.75): VV017020.D (-1) (-)

1.25

60000

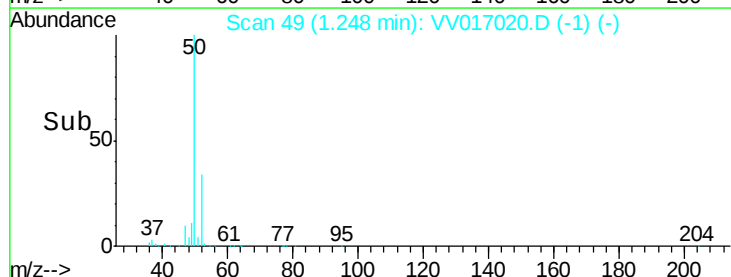
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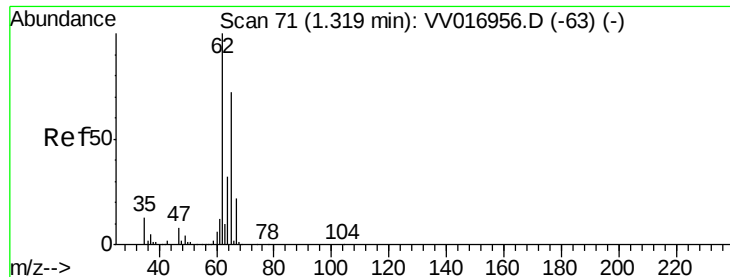
20000

0

Time-->

1.20 1.25 1.30





#5

Vinyl chloride

Concen: 4.796 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

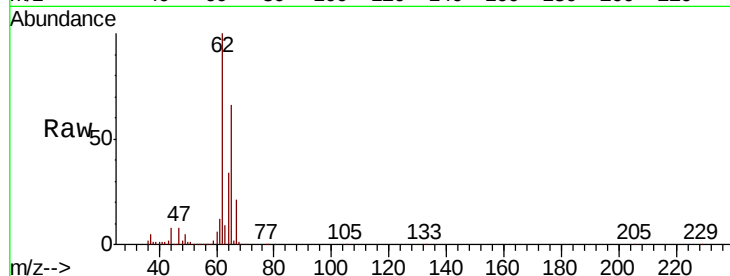
ClientSampleId :

Tot Ion: 62 Resp: 62750

Ion Ratio Lower Upper

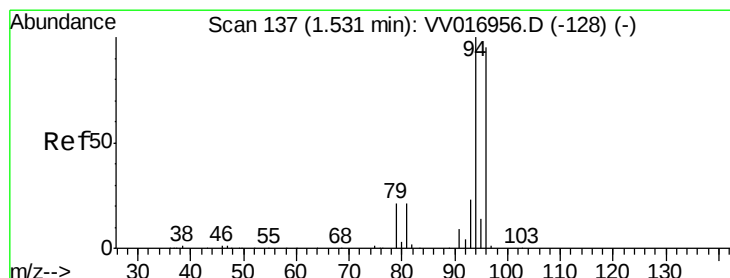
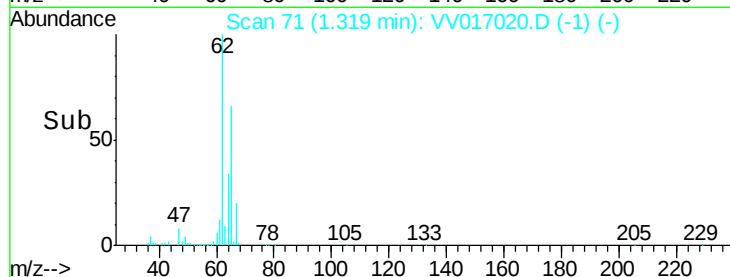
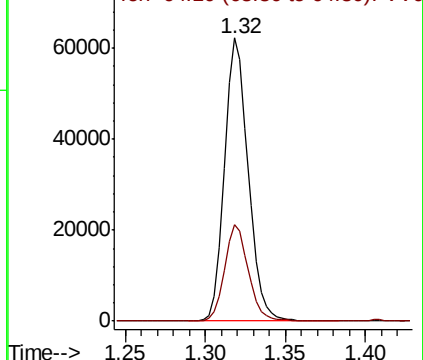
62 100

64 34.0 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0



#6

Bromomethane

Concen: 5.108 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV017020.D

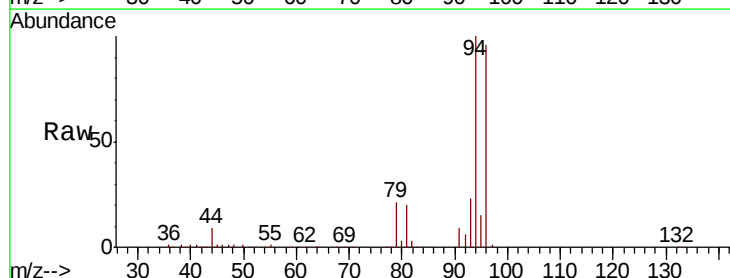
Acq: 22 Jun 2020 15:26

Tgt Ion: 94 Resp: 38951

Ion Ratio Lower Upper

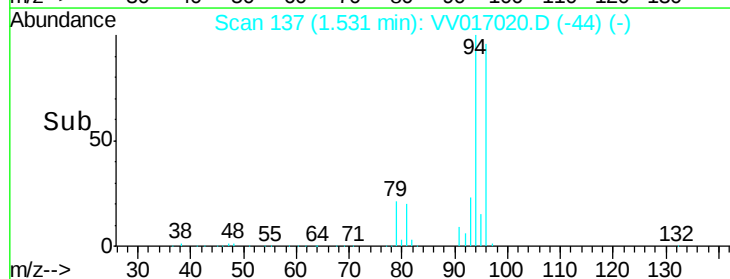
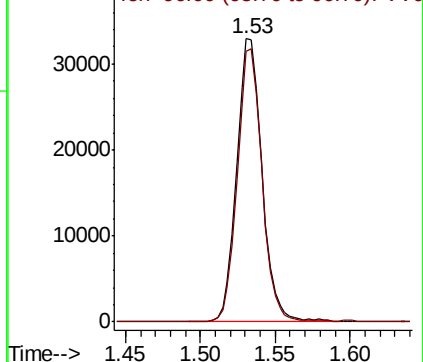
94 100

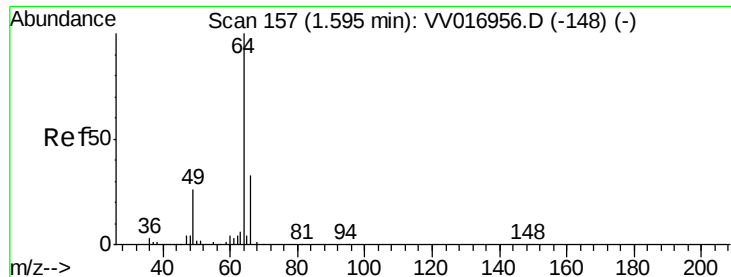
96 95.5 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

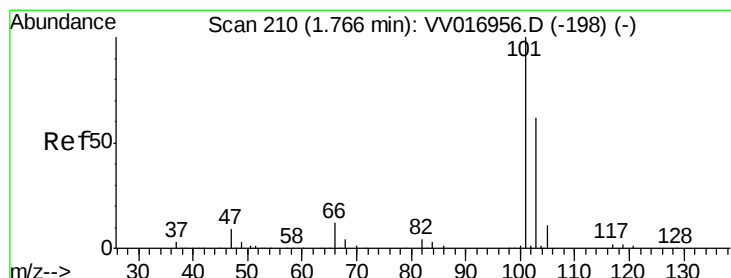
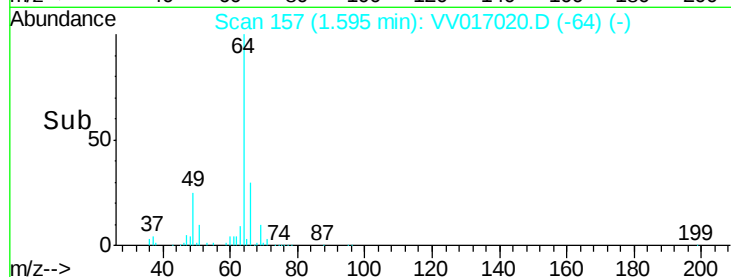
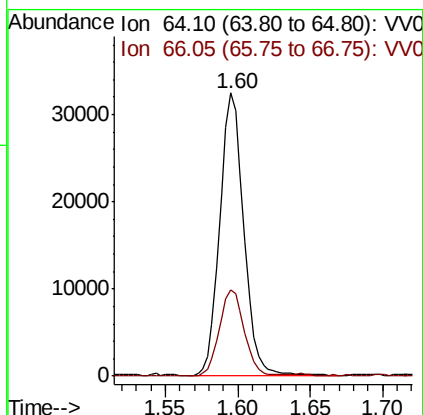
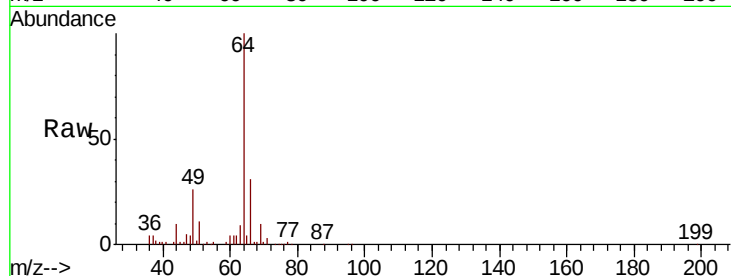




#8
Chloroethane
Concen: 5.189 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

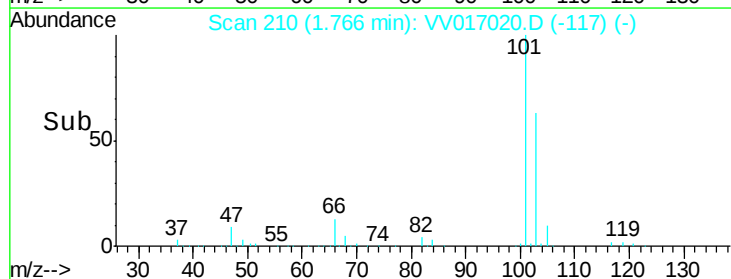
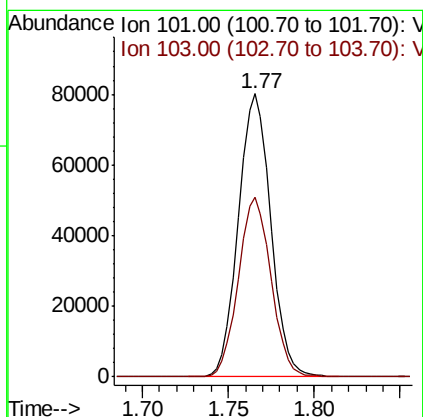
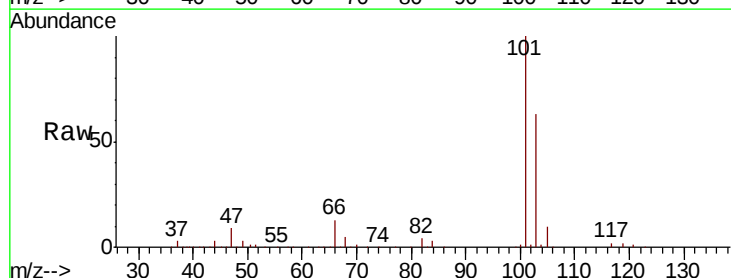
Instrument :
MSVOA_V
ClientSampleId :

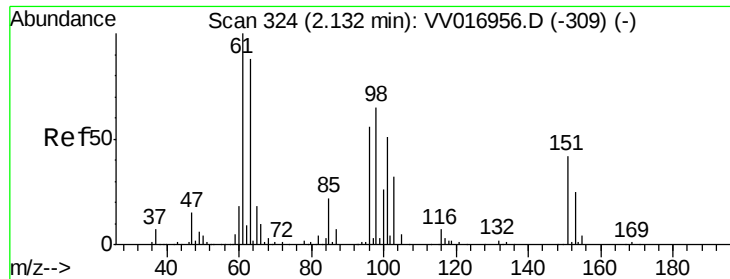
Tot Ion: 64 Resp: 37522
Ion Ratio Lower Upper
64 100
66 30.7 22.8 42.4



#9
Trichlorofluoromethane
Concen: 4.957 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Tgt Ion:101 Resp: 105024
Ion Ratio Lower Upper
101 100
103 64.0 50.9 76.3





#10

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

Concen: 4.953 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

ClientSampleId :

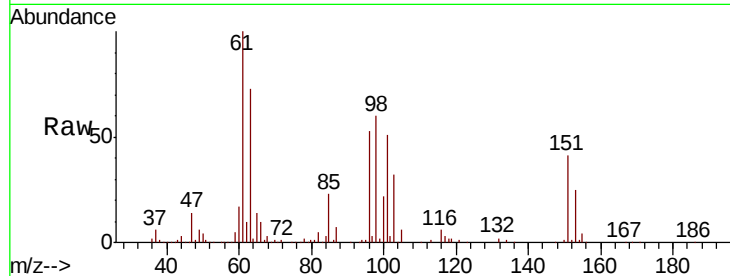
Tot Ion:101 Resp: 52305

Ion Ratio Lower Upper

101 100

85 44.0 35.4 53.2

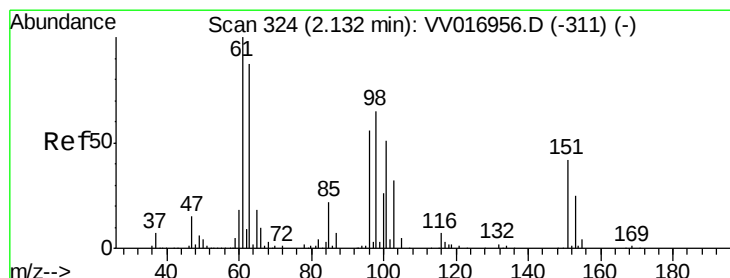
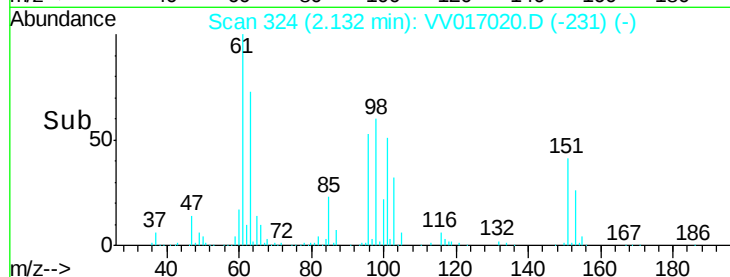
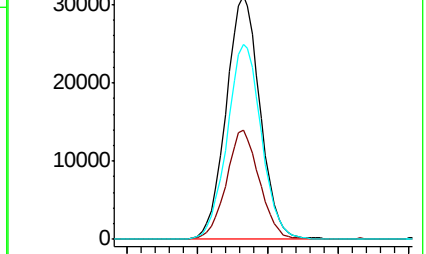
151 81.0 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016956.D (-309) (-)

Ion 85.00 (84.70 to 85.70): VV016956.D (-309) (-)

Ion 151.00 (150.70 to 151.70): VV016956.D (-309) (-)



#12

1,1-Dichloroethene

Concen: 4.990 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

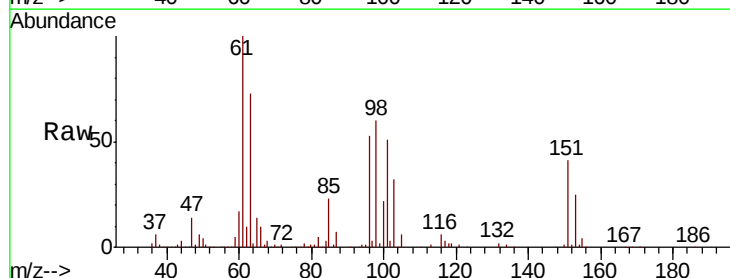
Tgt Ion: 96 Resp: 47753

Ion Ratio Lower Upper

96 100

61 188.2 125.0 232.2

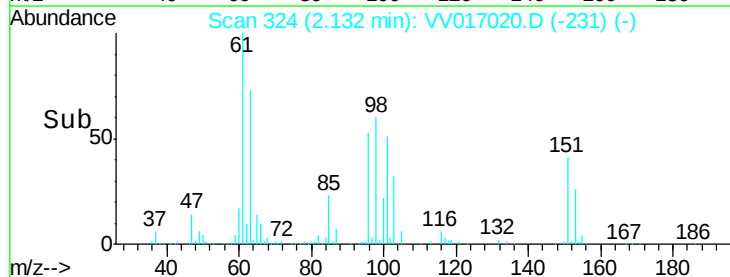
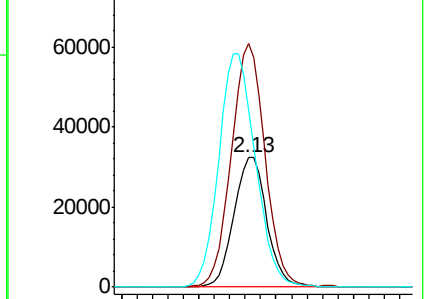
63 137.3 109.8 203.8

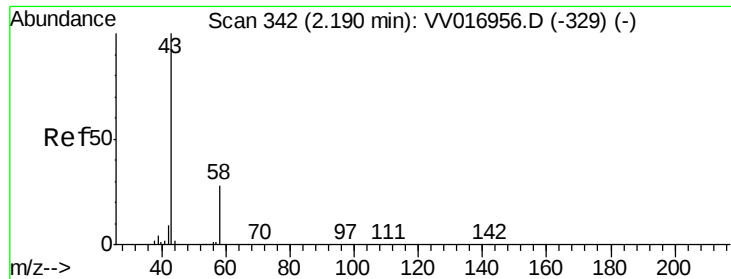


Abundance Ion 96.00 (95.70 to 96.70): VV016956.D (-311) (-)

Ion 61.05 (60.75 to 61.75): VV016956.D (-311) (-)

Ion 63.00 (62.70 to 63.70): VV016956.D (-311) (-)





#13

Acetone

Concen: 54.510 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.02 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

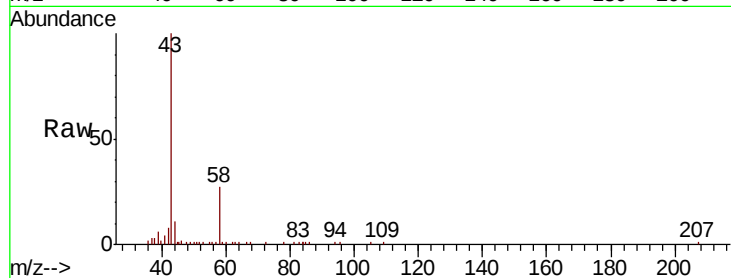
ClientSampleId :

Tot Ion: 43 Resp: 84042

Ion Ratio Lower Upper

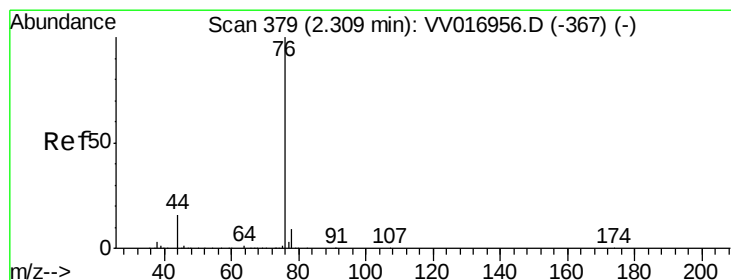
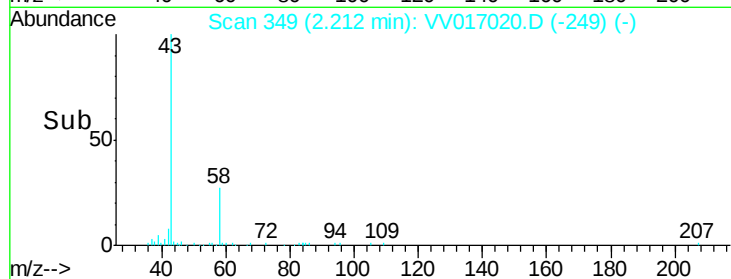
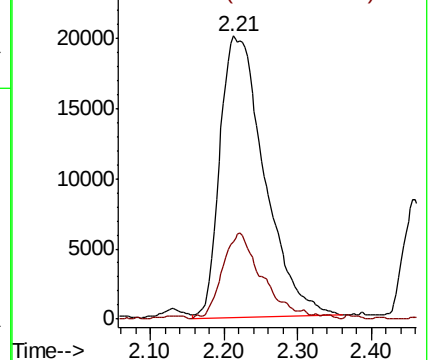
43 100

58 25.1 0.0 58.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#14

Carbon disulfide

Concen: 4.858 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017020.D

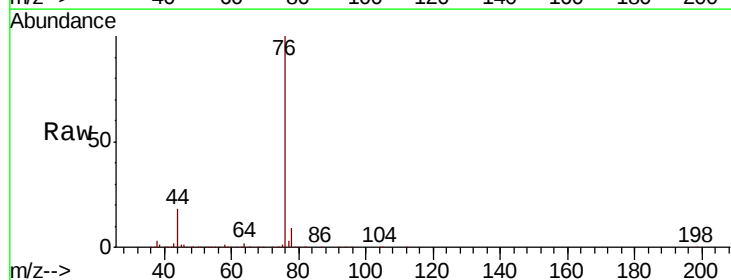
Acq: 22 Jun 2020 15:26

Tgt Ion: 76 Resp: 139287

Ion Ratio Lower Upper

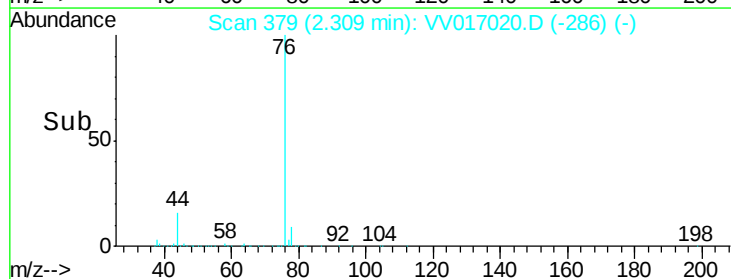
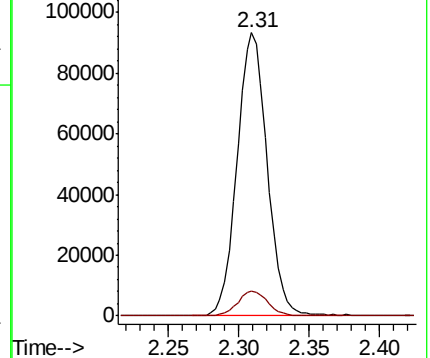
76 100

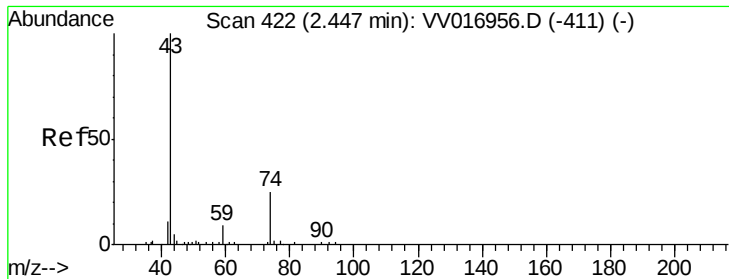
78 8.9 7.7 11.5



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

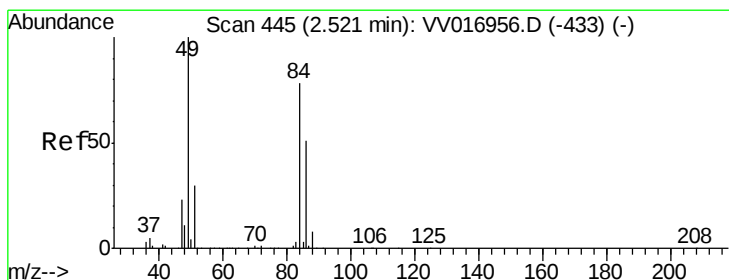
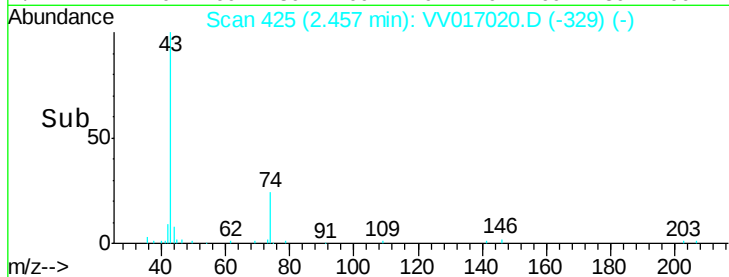
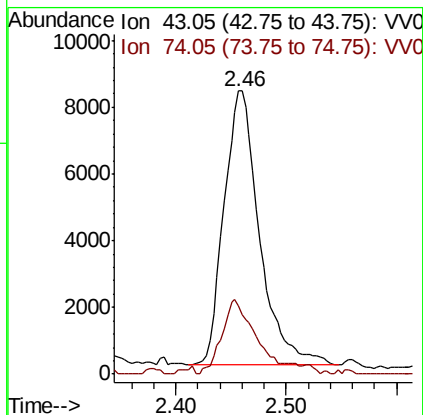
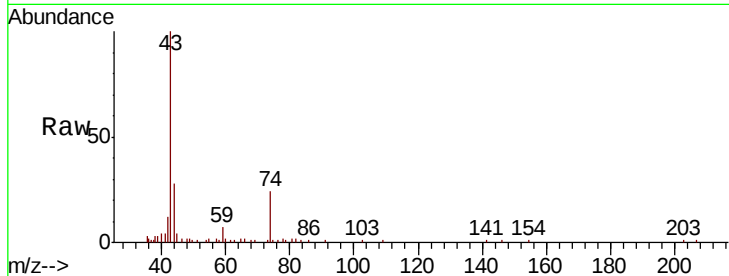




#15
Methvl Acetate
Concen: 4.879 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

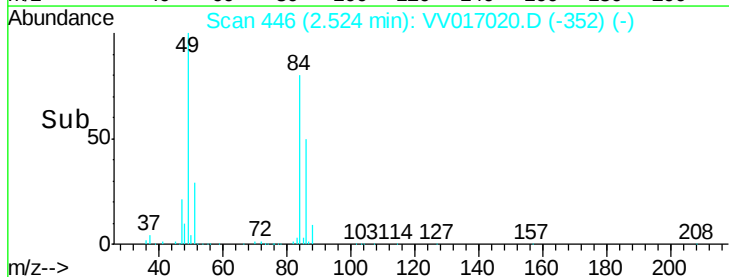
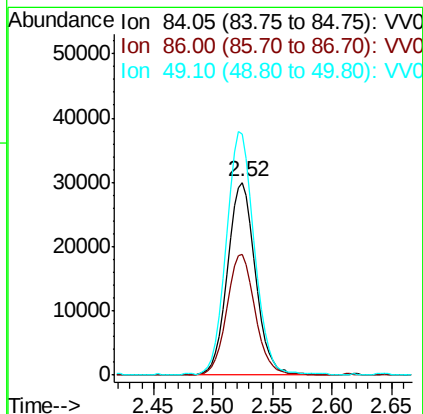
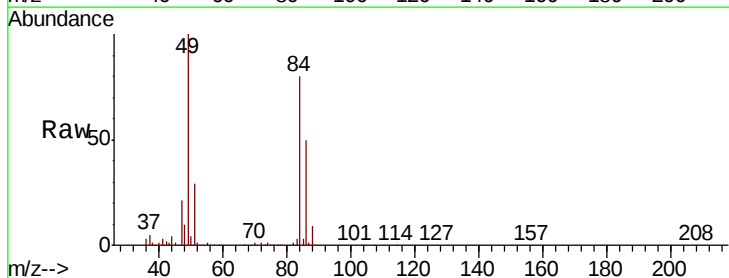
Instrument :
MSVOA_V
ClientSampleId :

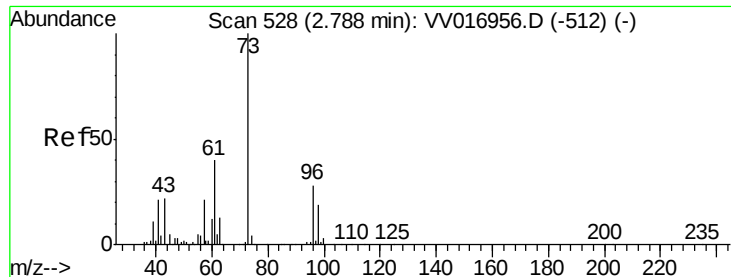
Tot Ion: 43 Resp: 18393
Ion Ratio Lower Upper
43 100
74 27.1 19.1 28.7



#16
Methylene chloride
Concen: 4.750 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Tgt Ion: 84 Resp: 48678
Ion Ratio Lower Upper
84 100
86 62.5 45.8 85.0
49 125.3 89.6 166.4

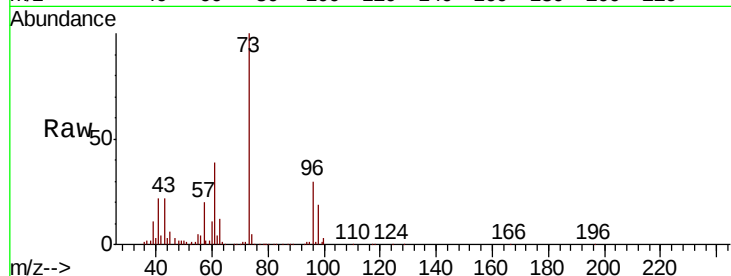




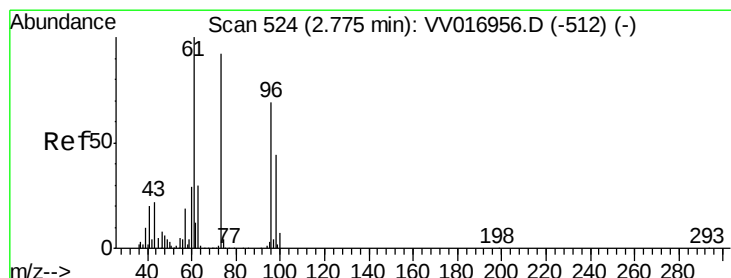
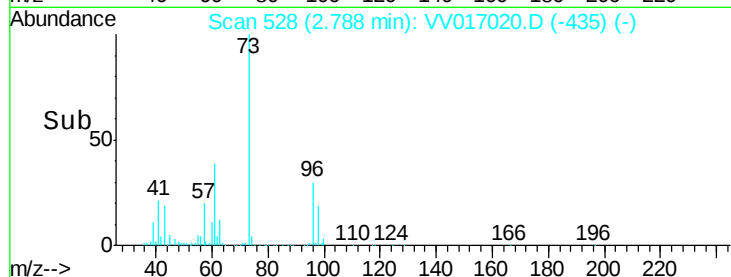
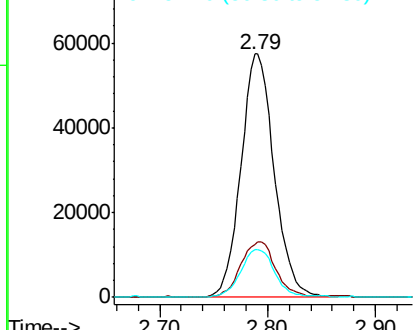
#17
Methvl tert-butvl Ether
Concen: 5.125 ug/L
RT: 2.79 min Scan# 528
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	73	Resp:	123150
Ion	Ratio	Lower	Upper
73	100		
43	24.9	18.6	28.0
57	20.0	16.4	24.6

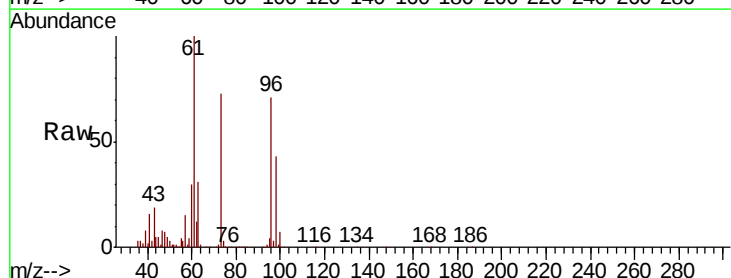


Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0

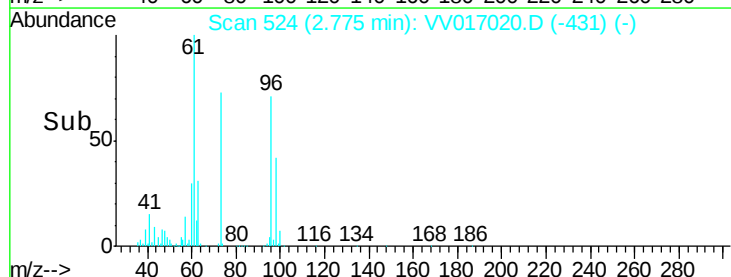
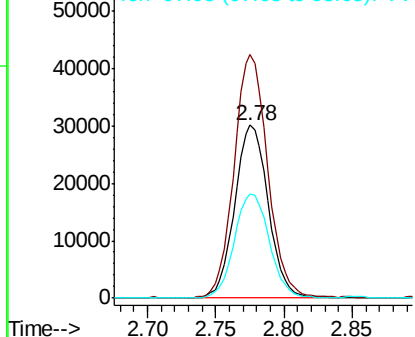


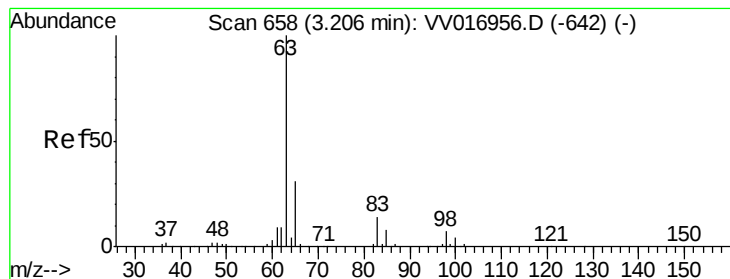
#18
trans-1,2-Dichloroethene
Concen: 5.079 ug/L
RT: 2.78 min Scan# 524
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Tgt Ion:	96	Resp:	51506
Ion	Ratio	Lower	Upper
96	100		
61	140.7	102.3	189.9
98	60.0	44.7	82.9



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0





#19

1,1-Dichloroethane

Concen: 4.869 ug/L

RT: 3.21 min Scan# 659

Delta R.T. 0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

ClientSampleId :

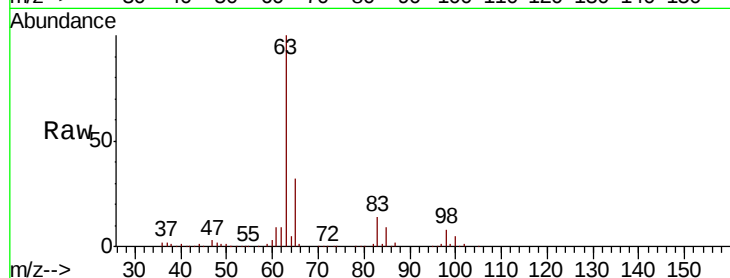
Tot Ion: 63 Resp: 110931

Ion Ratio Lower Upper

63 100

65 32.4 21.8 40.4

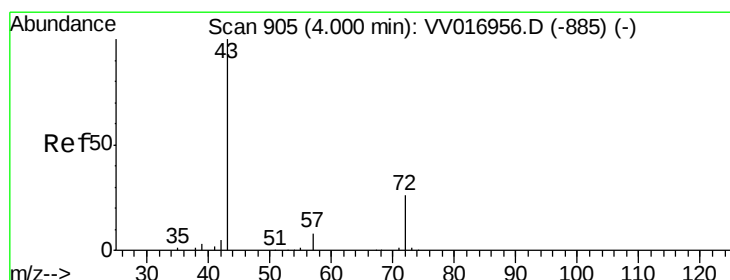
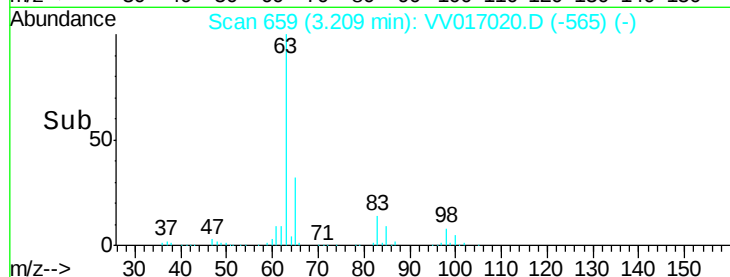
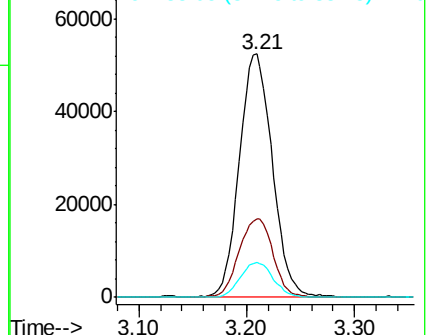
83 14.1 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV017020.D (-565) (-)

Ion 65.10 (64.80 to 65.80): VV017020.D (-565) (-)

Ion 83.05 (82.75 to 83.75): VV017020.D (-565) (-)



#21

2-Butanone

Concen: 55.708 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.03 min

Lab File: VV017020.D

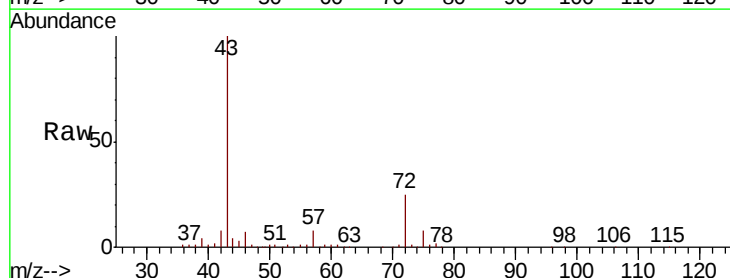
Acq: 22 Jun 2020 15:26

Tgt Ion: 43 Resp: 161906

Ion Ratio Lower Upper

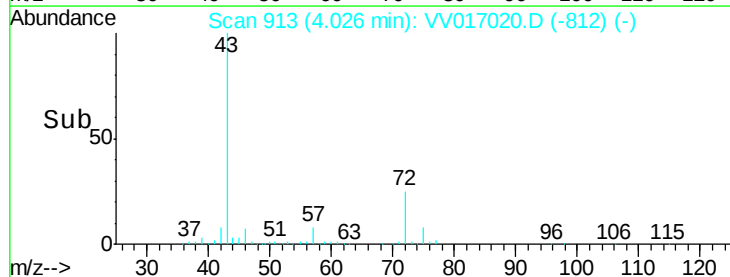
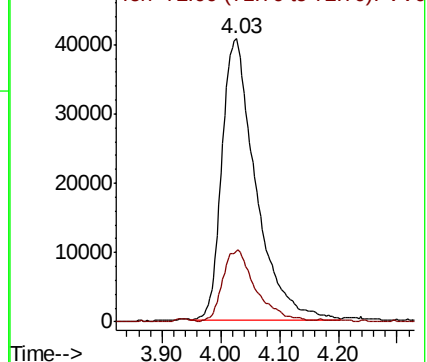
43 100

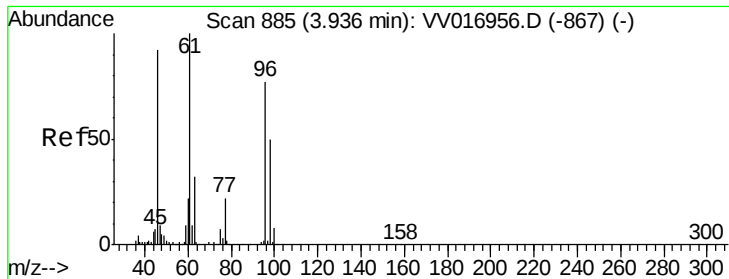
72 24.6 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV017020.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV017020.D (-812) (-)



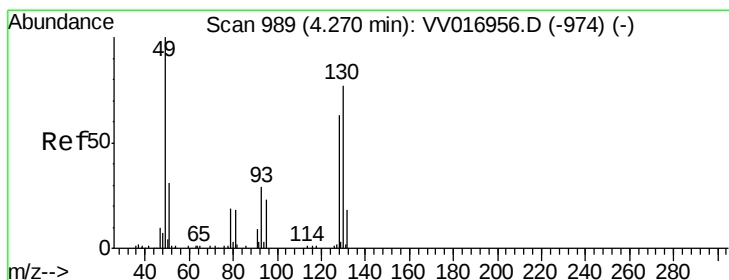
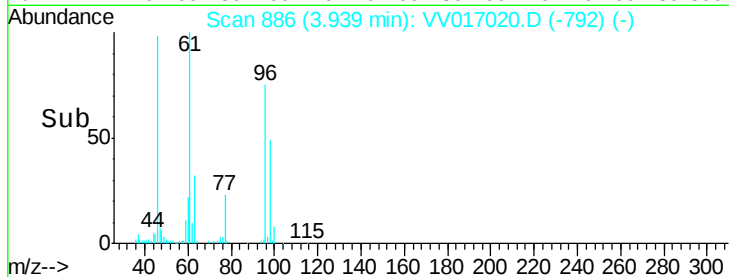
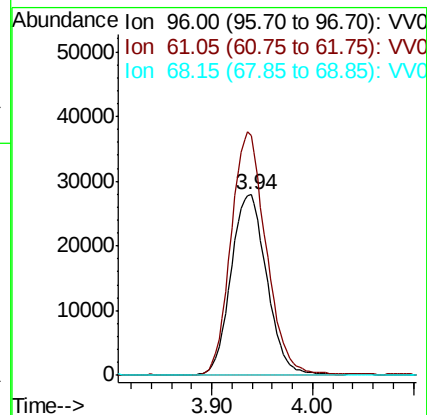
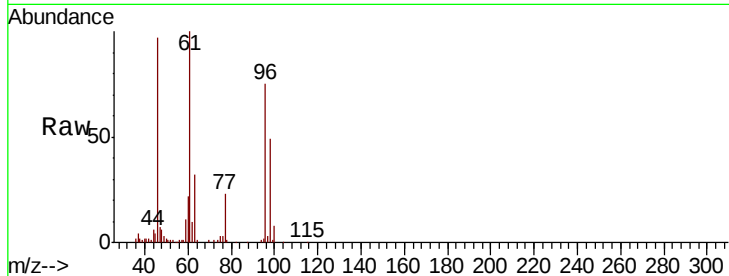


#22

cis-1,2-Dichloroethene
 Concen: 4.983 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Instrument :
 MSVOA_V
 ClientSampleId :

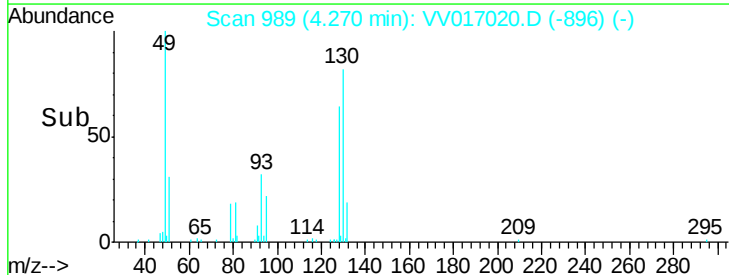
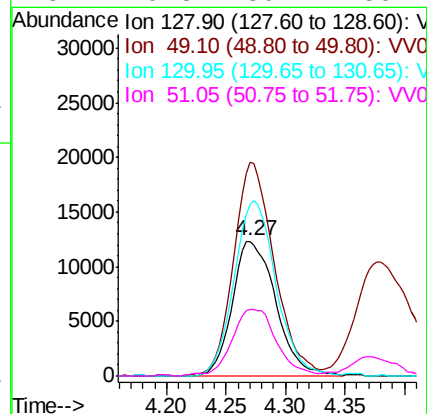
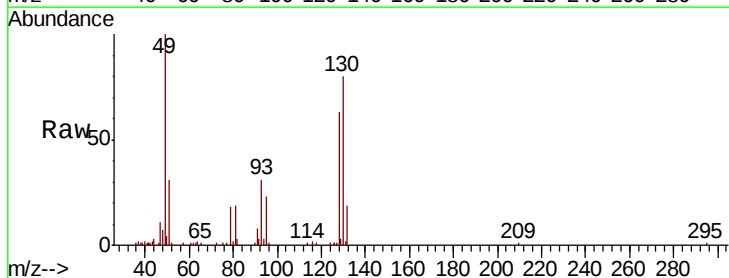
Tot Ion	Ratio	Lower	Upper
96	100		
61	133.1	91.0	169.0
68	0.0	0.0	0.0

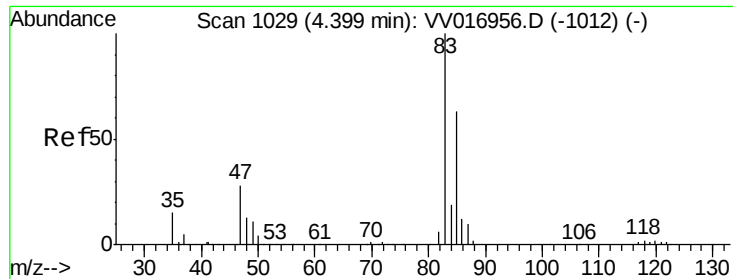


#23

Bromochloromethane
 Concen: 5.284 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Tgt Ion	Ratio	Lower	Upper
128	100		
49	158.2	110.8	205.8
130	127.3	86.0	159.8
51	49.3	39.4	59.2

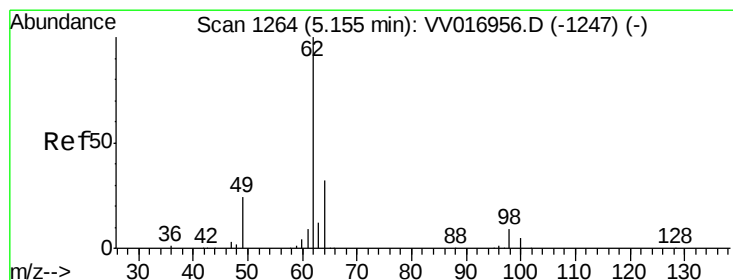
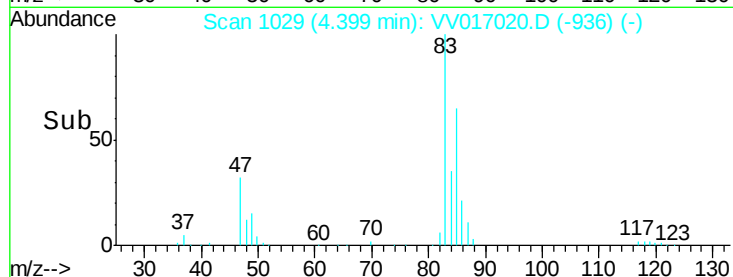
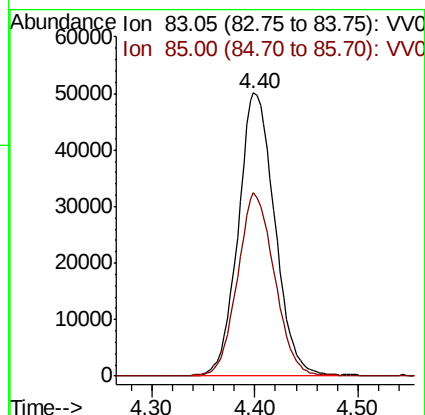
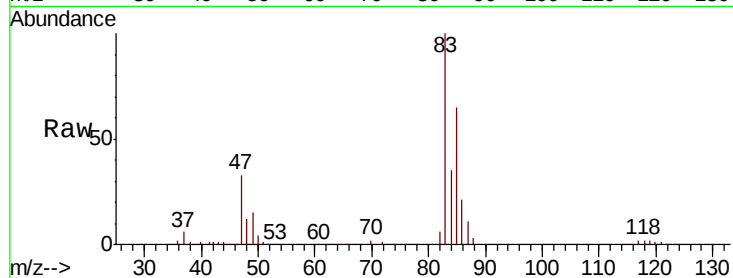




#25
Chloroform
Concen: 4.959 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

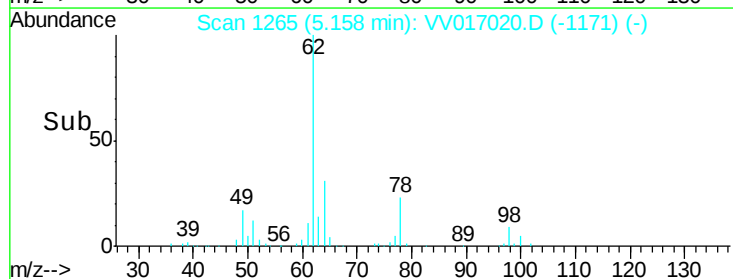
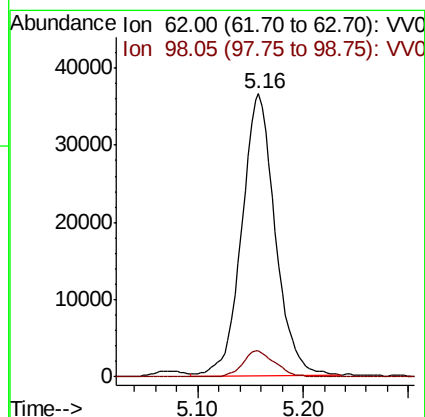
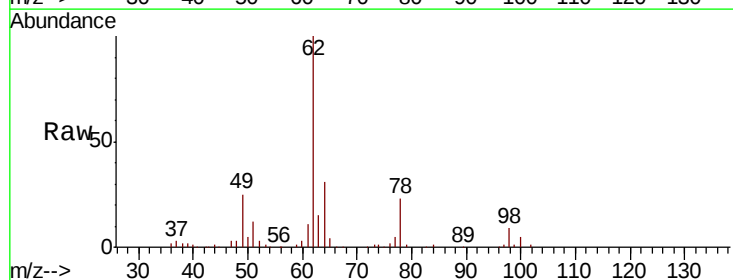
Instrument :
MSVOA_V
ClientSampled :

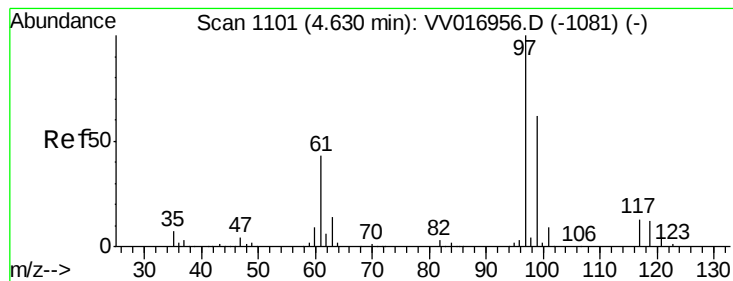
Tot Ion: 83 Resp: 123425
Ion Ratio Lower Upper
83 100
85 64.8 44.2 82.2



#27
1,2-Dichloroethane
Concen: 5.192 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Tgt Ion: 62 Resp: 80273
Ion Ratio Lower Upper
62 100
98 9.0 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.151 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :
MSVOA_V
ClientSampleId :

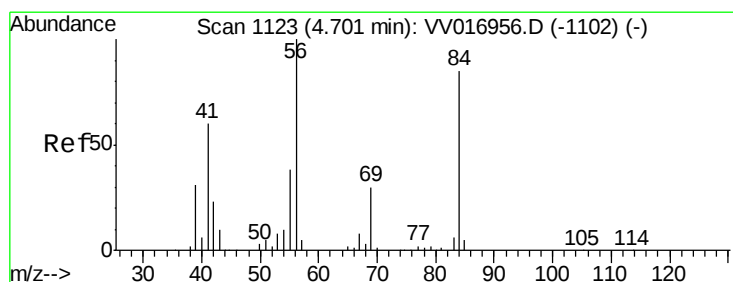
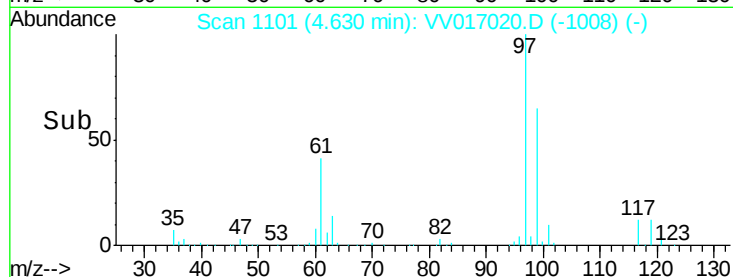
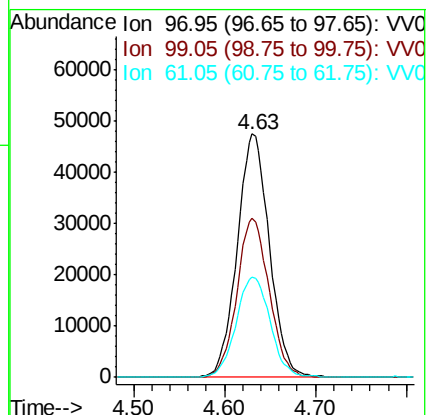
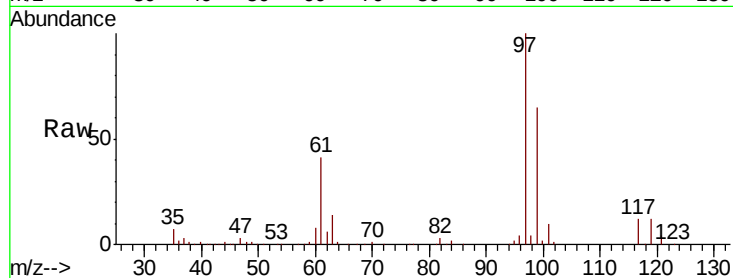
Tot Ion: 97 Resp: 117043

Ion Ratio Lower Upper

97 100

99 65.5 50.3 75.5

61 43.7 36.0 54.0



#30

Cyclohexane

Concen: 4.862 ug/L

RT: 4.70 min Scan# 1122

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

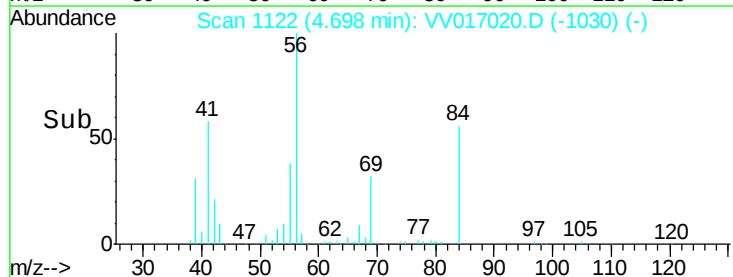
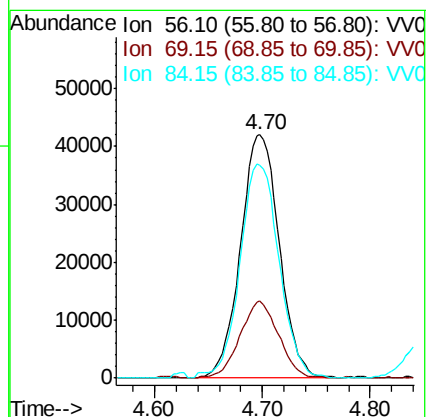
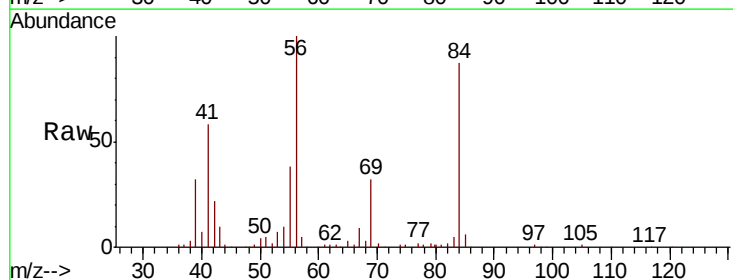
Tgt Ion: 56 Resp: 105146

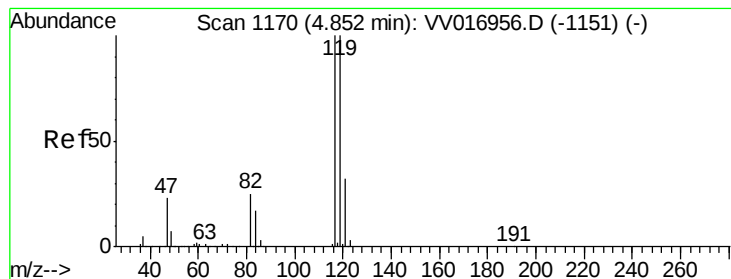
Ion Ratio Lower Upper

56 100

69 31.4 24.4 36.6

84 88.1 69.9 104.9





#31

Carbon tetrachloride

Concen: 5.097 ug/L

RT: 4.85 min Scan# 1169

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

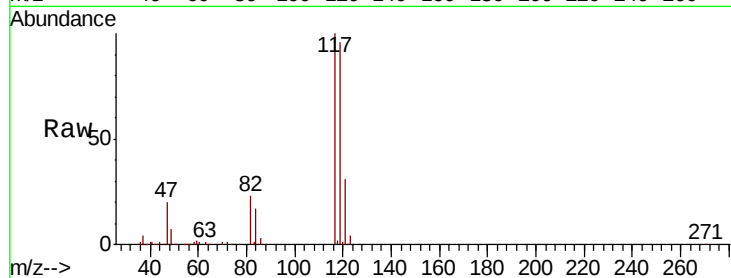
ClientSampleId :

Tot Ion:117 Resp: 104522

Ion Ratio Lower Upper

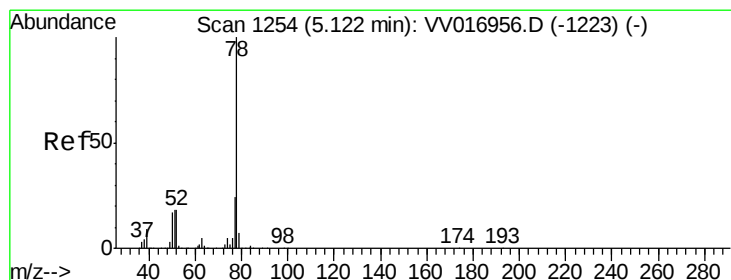
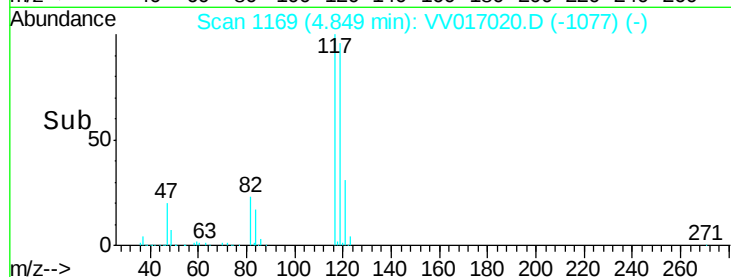
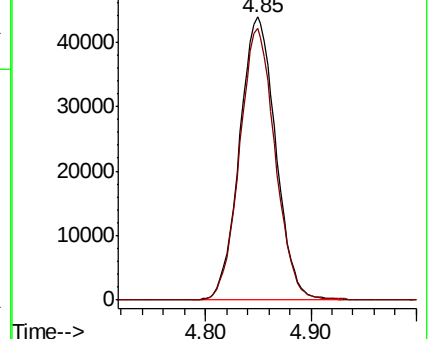
117 100

119 94.4 77.8 116.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.105 ug/L

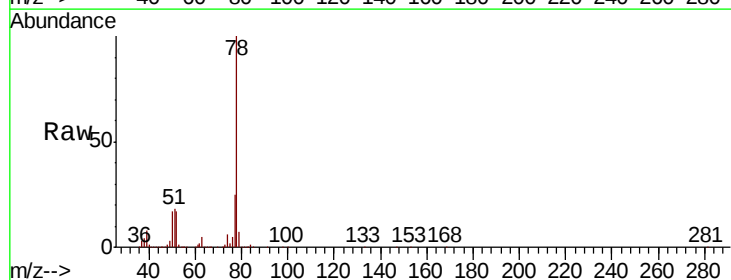
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

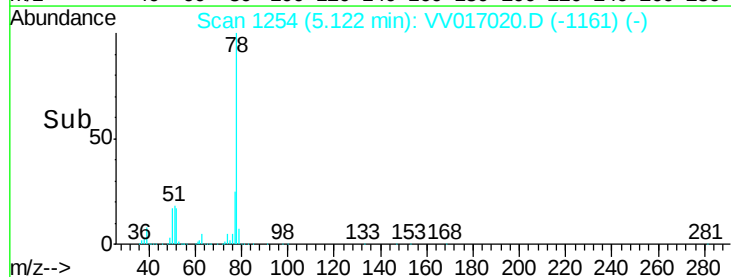
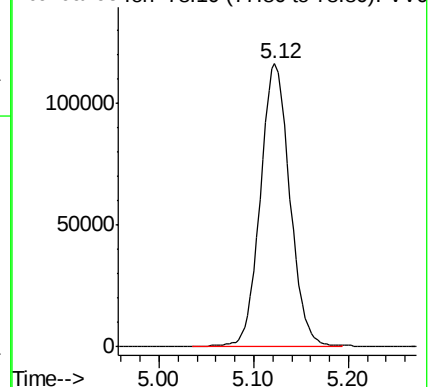
Lab File: VV017020.D

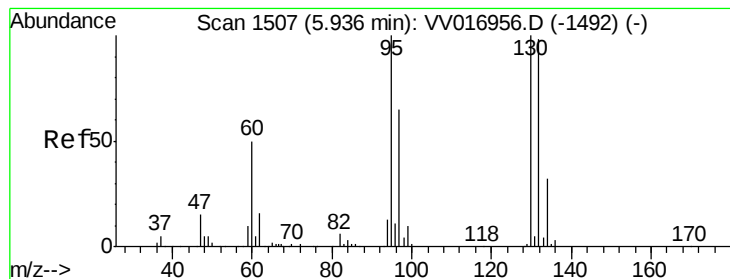
Acq: 22 Jun 2020 15:26

Tgt Ion: 78 Resp: 253595



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 4.956 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

ClientSampleId :

Tot Ion: 95 Resp: 72084

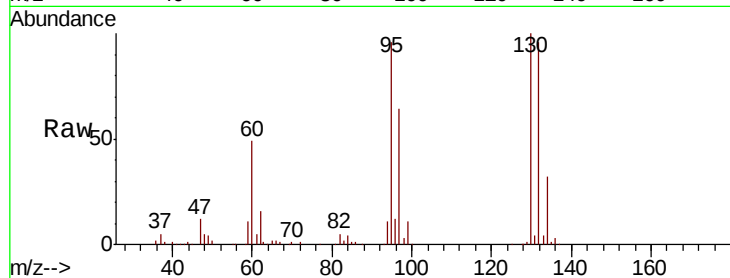
Ion Ratio Lower Upper

95 100

97 66.3 45.3 84.1

132 100.5 68.8 127.8

130 104.3 70.2 130.4

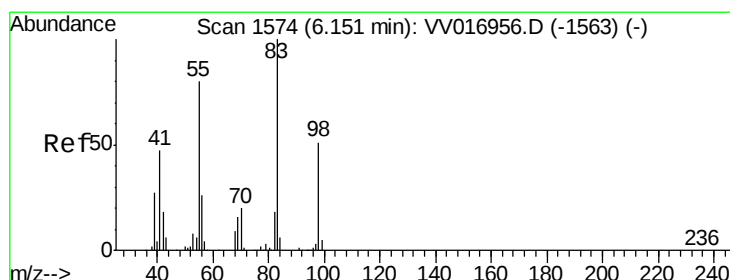
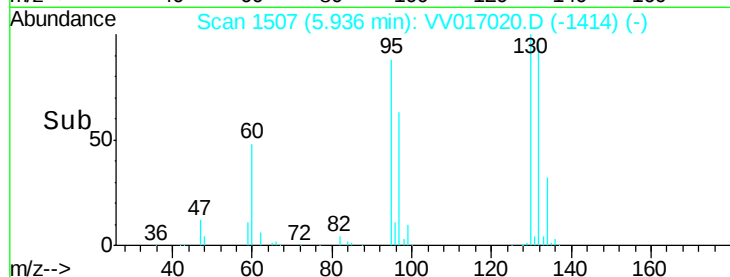
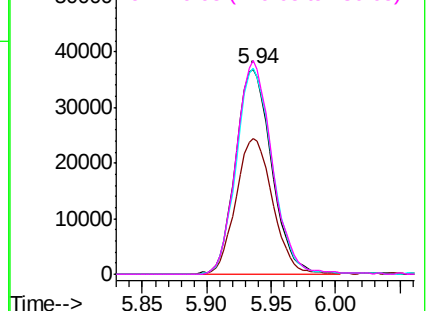


Abundance Ion 95.00 (94.70 to 95.70): VV016956.D (-1492) (-)

Ion 96.95 (96.65 to 97.65): VV016956.D (-1492) (-)

Ion 131.95 (131.65 to 132.65): VV016956.D (-1492) (-)

Ion 129.95 (129.65 to 130.65): VV016956.D (-1492) (-)



#35

Methylcyclohexane

Concen: 4.879 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

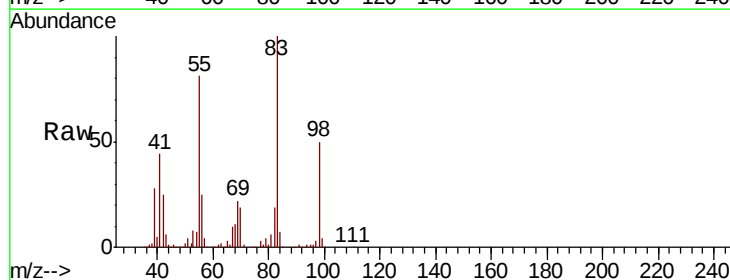
Tgt Ion: 83 Resp: 110322

Ion Ratio Lower Upper

83 100

55 81.3 63.6 95.4

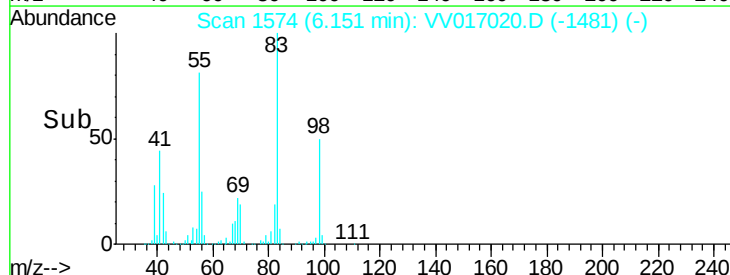
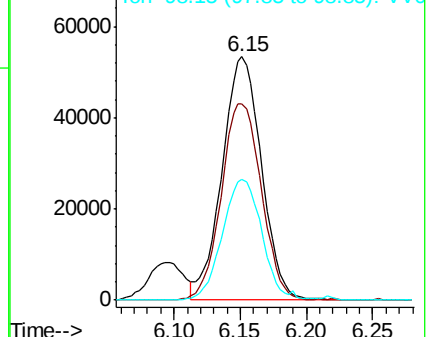
98 50.0 38.8 58.2

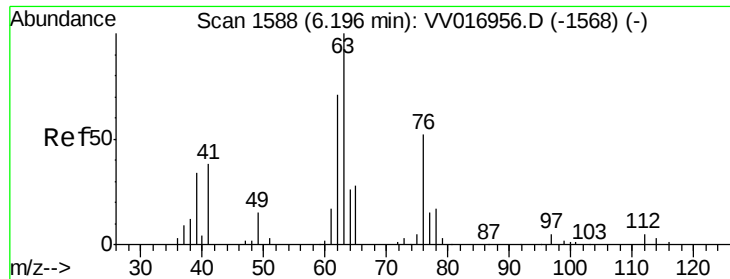


Abundance Ion 83.15 (82.85 to 83.85): VV016956.D (-1563) (-)

Ion 55.10 (54.80 to 55.80): VV016956.D (-1563) (-)

Ion 98.15 (97.85 to 98.85): VV016956.D (-1563) (-)





#37

1,2-Dichloropropane

Concen: 5.146 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

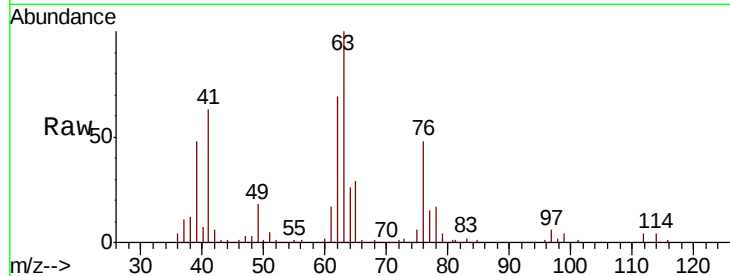
ClientSampleId :

Tot Ion: 63 Resp: 63272

Ion Ratio Lower Upper

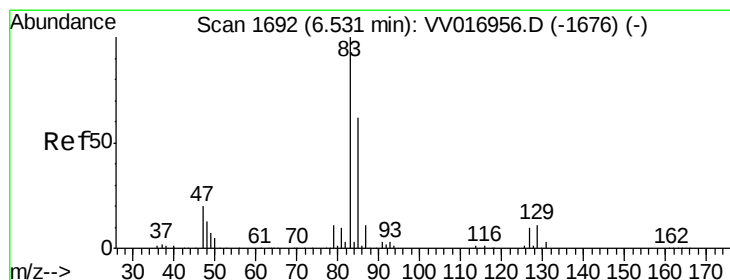
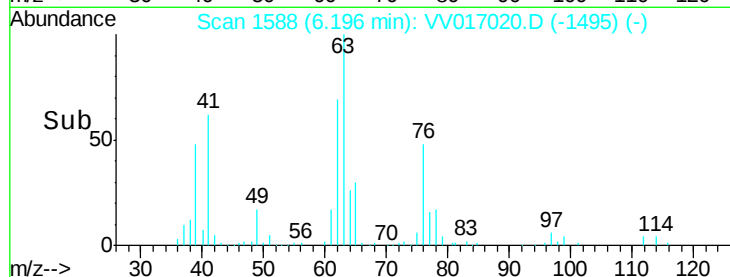
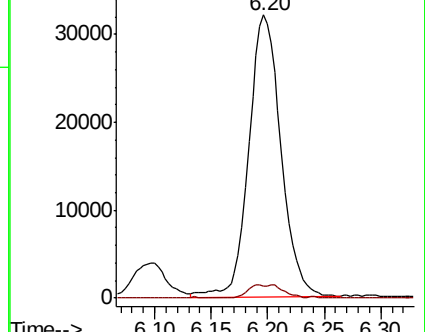
63 100

112 2.9 4.4 6.6#



Abundance Ion 63.10 (62.80 to 63.80): VV016956.D (-1568) (-)

Ion 112.10 (111.80 to 112.80): VV016956.D (-1568) (-)



#38

Bromodichloromethane

Concen: 4.931 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. 0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

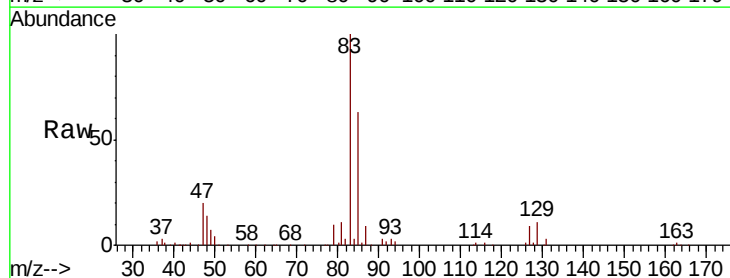
Tgt Ion: 83 Resp: 82366

Ion Ratio Lower Upper

83 100

85 63.4 43.4 80.6

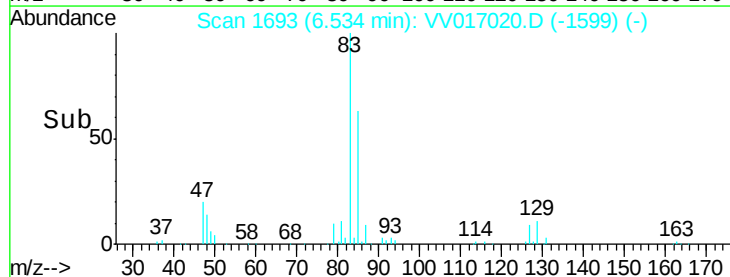
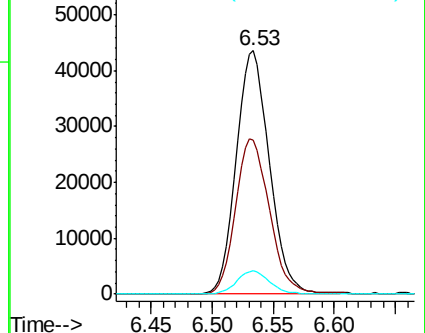
127 9.4 7.9 11.9

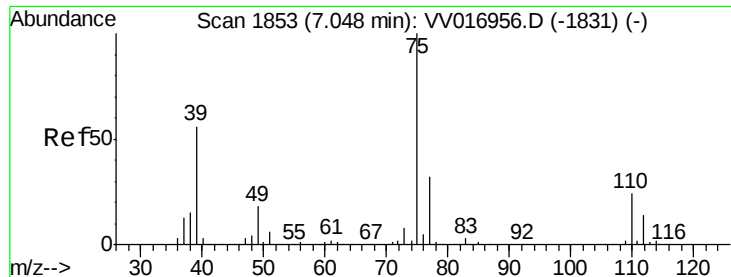


Abundance Ion 82.95 (82.65 to 83.65): VV016956.D (-1676) (-)

Ion 85.00 (84.70 to 85.70): VV016956.D (-1676) (-)

Ion 126.90 (126.60 to 127.60): VV016956.D (-1676) (-)

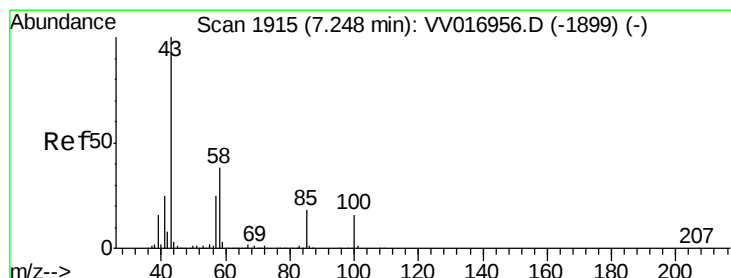
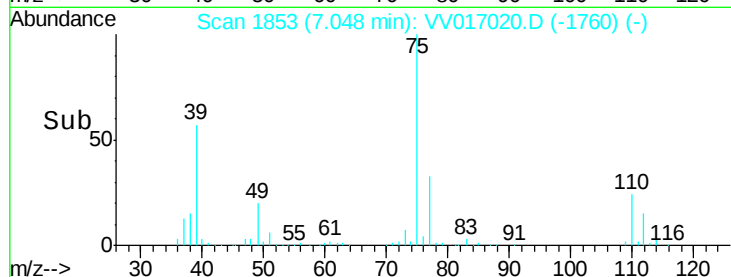
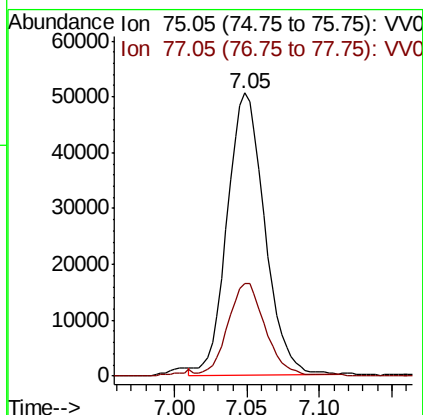
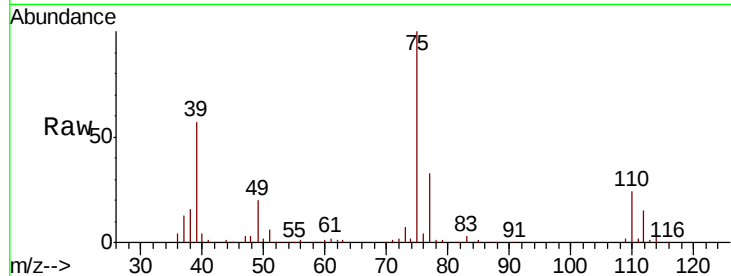




#39
 cis-1,3-Dichloropropene
 Concen: 4.960 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

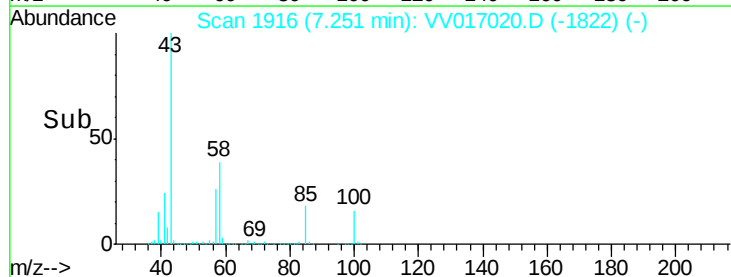
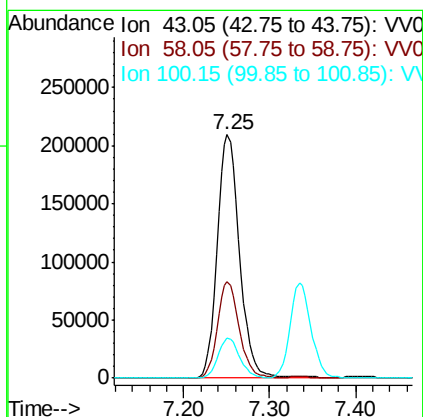
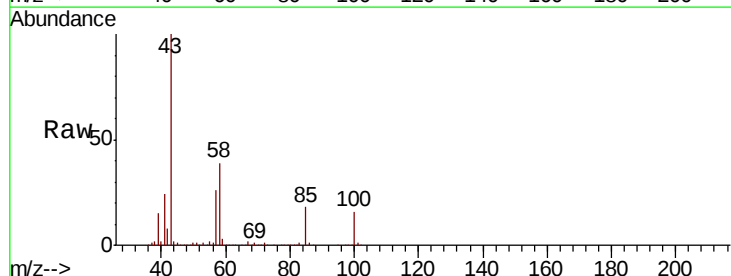
Instrument :
 MSVOA_V
 ClientSampleId :

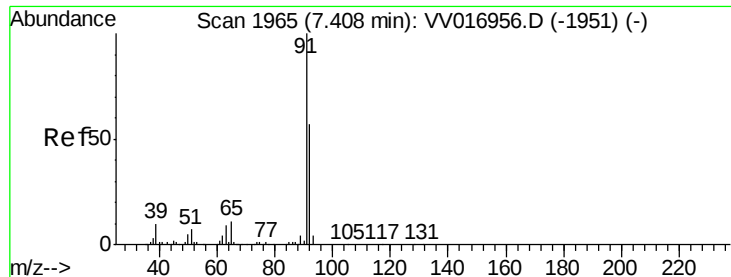
Tot Ion: 75 Resp: 90608
 Ion Ratio Lower Upper
 75 100
 77 32.9 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 53.227 ug/L
 RT: 7.25 min Scan# 1916
 Delta R.T. 0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Tgt Ion: 43 Resp: 377891
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.4 45.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 4.862 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

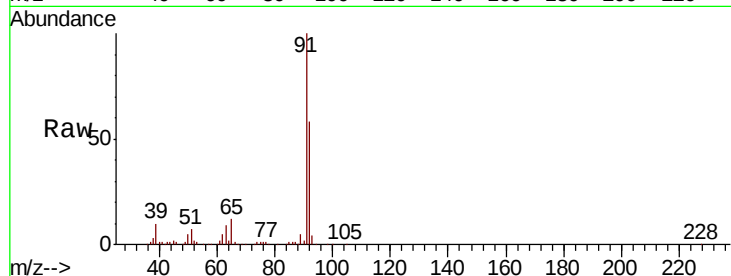
Instrument :
MSVOA_V
ClientSampleId :

Tot Ion: 91 Resp: 280806

Ion Ratio Lower Upper

91 100

92 58.2 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV017020.D (-1872) (-)

Ion 92.15 (91.85 to 92.85): VV017020.D (-1872) (-)

7.41

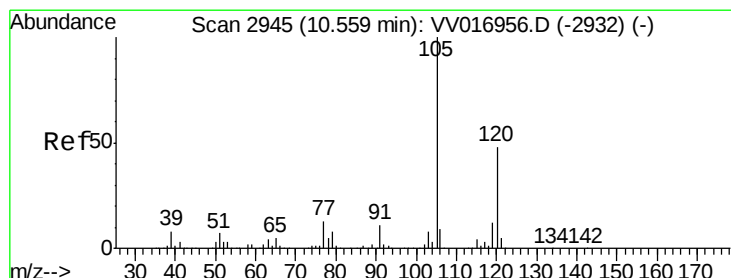
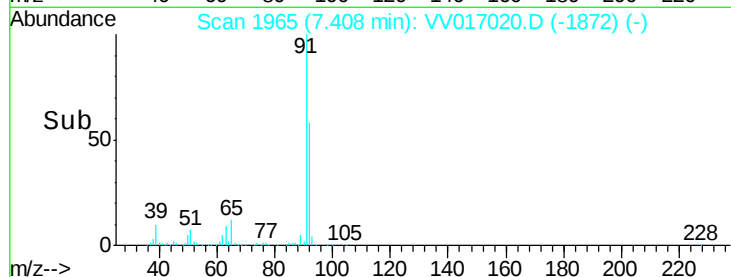
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#43

1,3,5-Trimethylbenzene

Concen: 5.156 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. -0.00 min

Lab File: VV017020.D

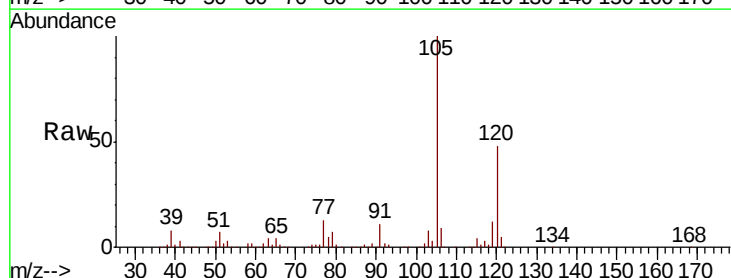
Acq: 22 Jun 2020 15:26

Tgt Ion: 105 Resp: 266294

Ion Ratio Lower Upper

105 100

120 48.1 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV017020.D (-2323) (-)

Ion 120.00 (119.70 to 120.70): VV017020.D (-2323) (-)

10.56

200000

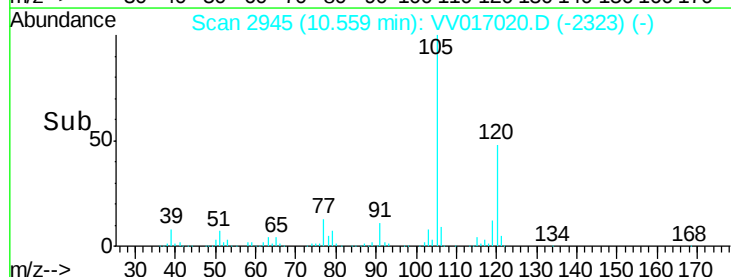
150000

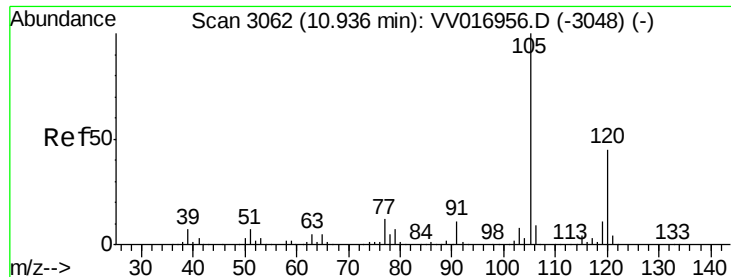
100000

50000

0

Time--> 10.50 10.55 10.60 10.65

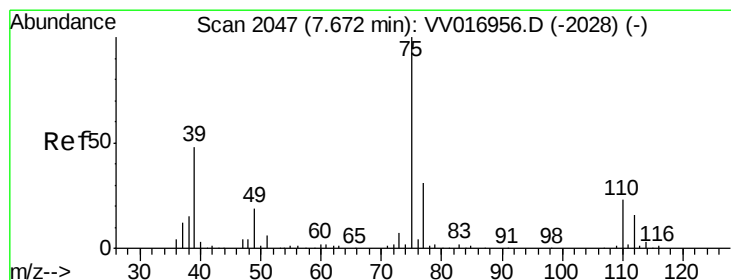
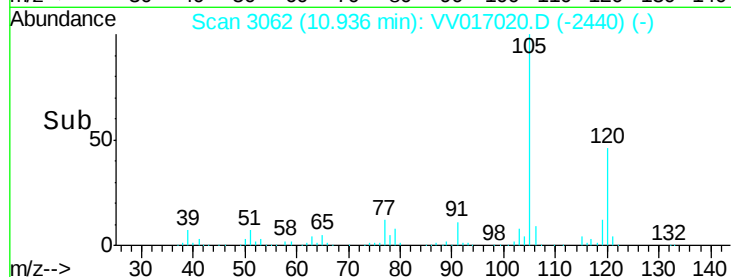
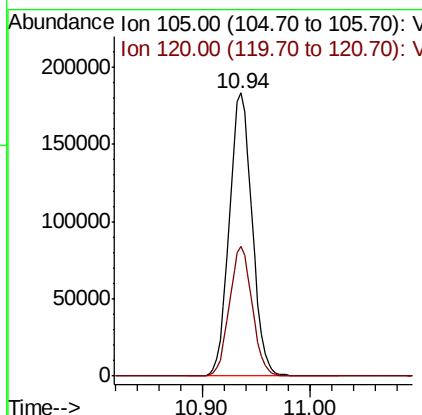
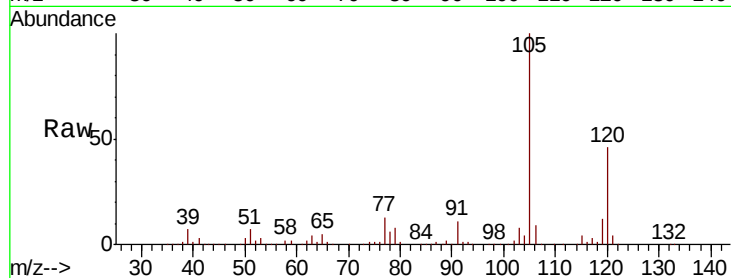




#44
 1,2,4-Trimethylbenzene
 Concen: 5.148 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

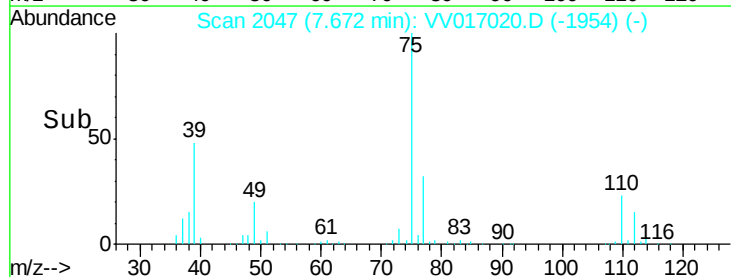
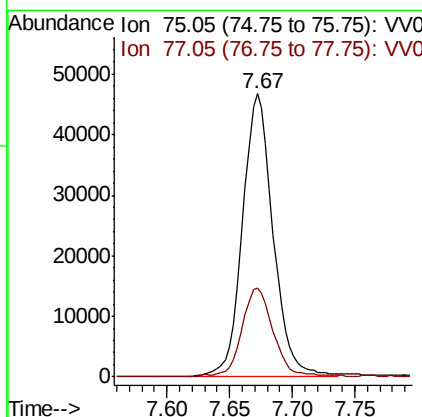
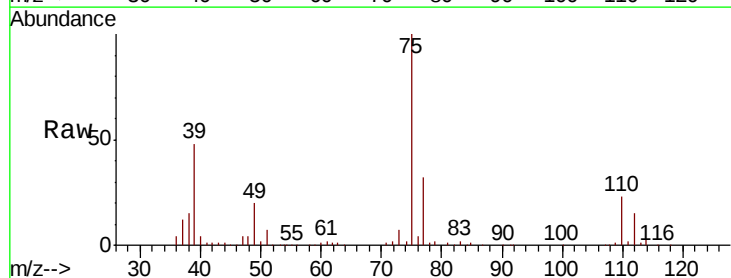
Instrument :
 MSVOA_V
 ClientSampleId :

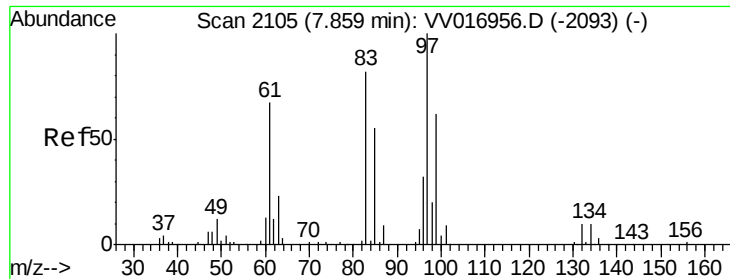
Tot Ion:105 Resp: 270706
 Ion Ratio Lower Upper
 105 100
 120 45.6 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 5.004 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Tgt Ion: 75 Resp: 79071
 Ion Ratio Lower Upper
 75 100
 77 31.6 22.3 41.3

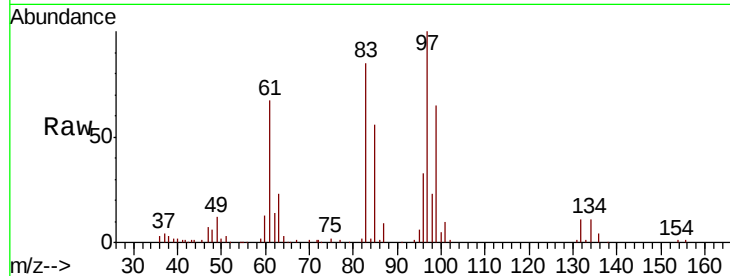




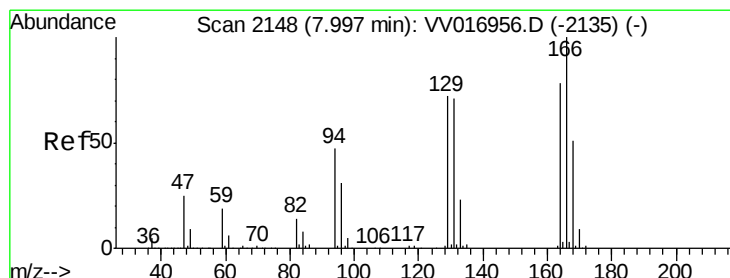
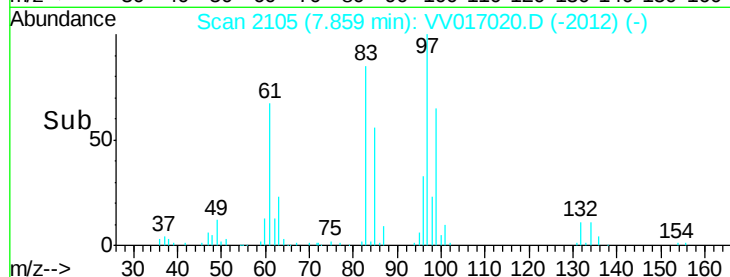
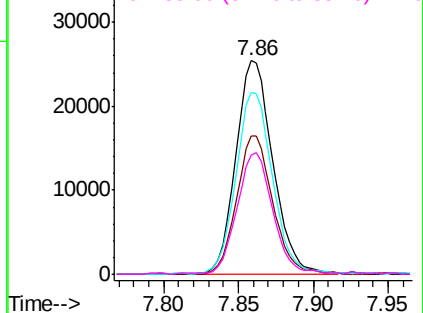
#47
1,1,2-Trichloroethane
Concen: 5.020 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Instrument :
MSVOA_V
ClientSampleId :

Tot Ion:	97	Resp:	43784
Ion	Ratio	Lower	Upper
97	100		
99	64.5	43.6	81.0
83	84.9	57.4	106.6
85	56.0	38.8	72.0

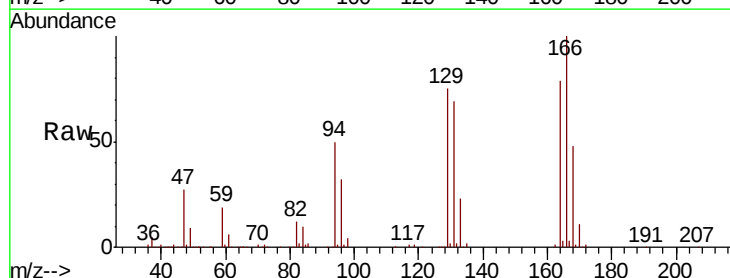


Abundance Ion 96.95 (96.65 to 97.65): VV017020.D (-2012) (-)
Ion 99.05 (98.75 to 99.75): VV017020.D (-2012) (-)
Ion 82.95 (82.65 to 83.65): VV017020.D (-2012) (-)
Ion 85.00 (84.70 to 85.70): VV017020.D (-2012) (-)

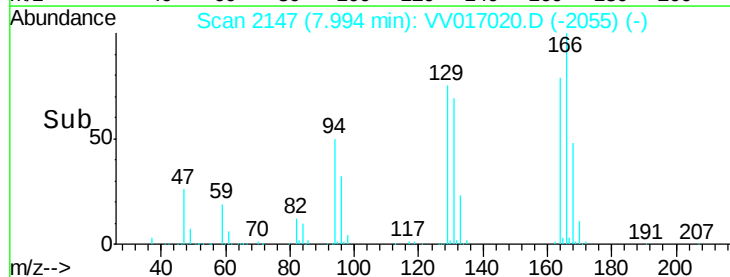
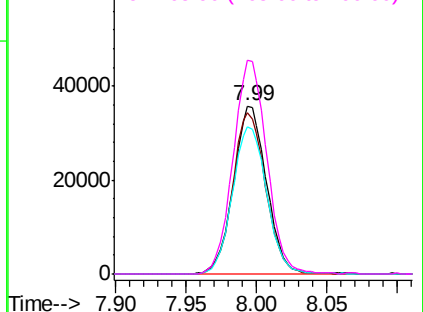


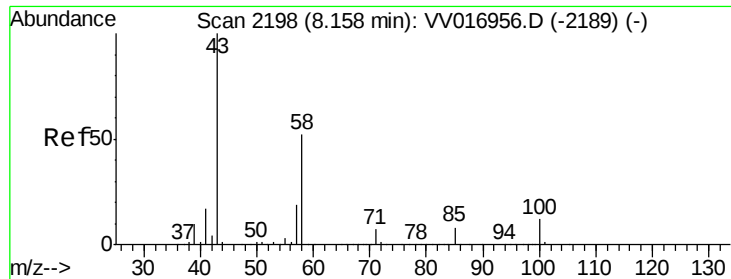
#49
Tetrachloroethene
Concen: 5.022 ug/L
RT: 7.99 min Scan# 2147
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Tgt Ion:	164	Resp:	58793
Ion	Ratio	Lower	Upper
164	100		
129	95.9	65.2	121.0
131	88.0	64.1	119.1
166	127.3	90.2	167.4



Abundance Ion 163.90 (163.60 to 164.60): VV017020.D (-2055) (-)
Ion 128.95 (128.65 to 129.65): VV017020.D (-2055) (-)
Ion 130.95 (130.65 to 131.65): VV017020.D (-2055) (-)
Ion 165.90 (165.60 to 166.60): VV017020.D (-2055) (-)

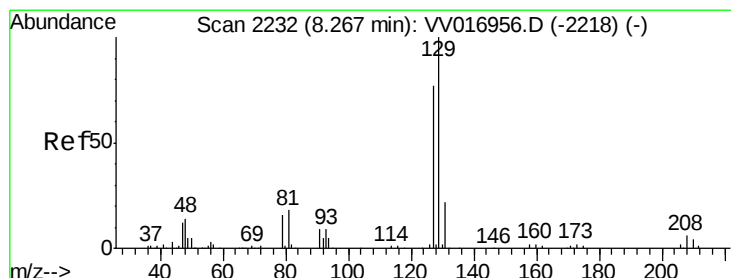
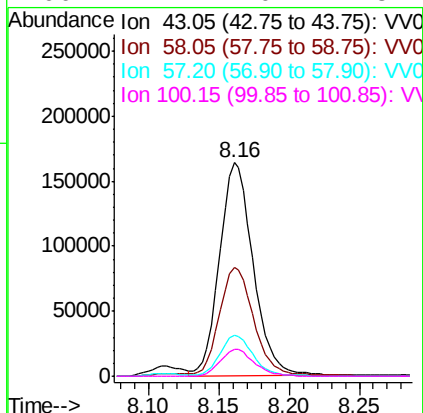
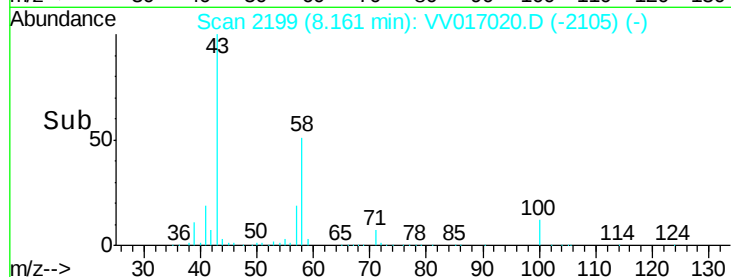
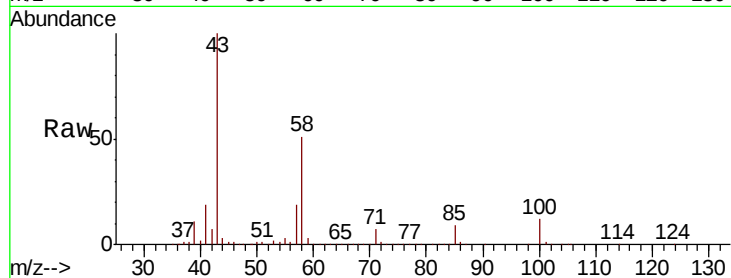




#50
2-Hexanone
Concen: 53.807 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

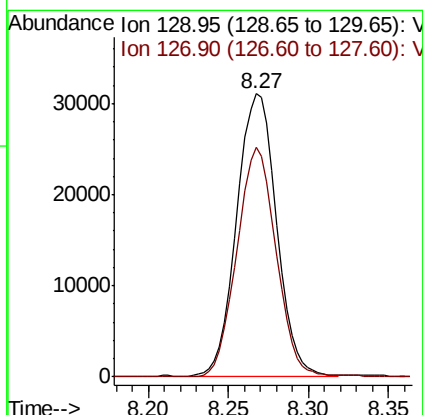
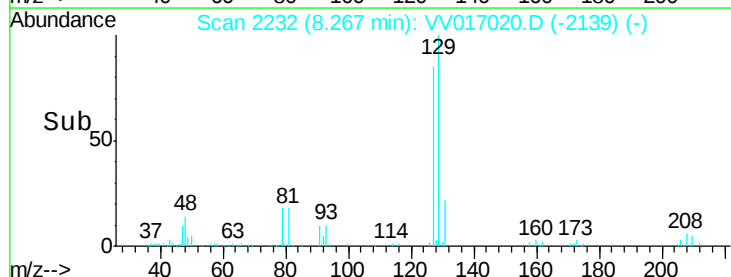
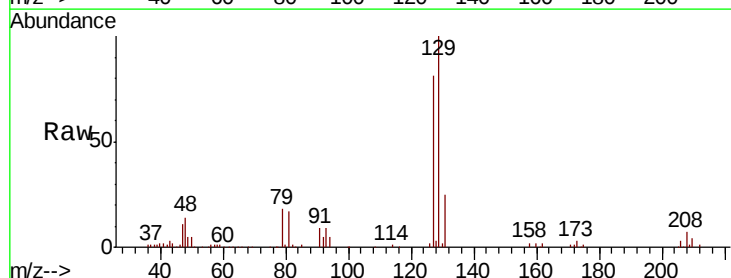
Instrument :
MSVOA_V
ClientSampled :

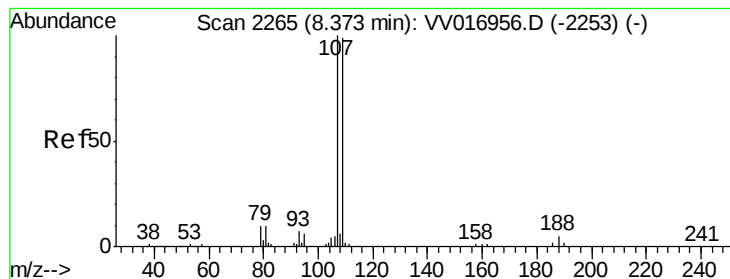
Tot Ion: 43 Resp: 271857
Ion Ratio Lower Upper
43 100
58 52.6 41.6 62.4
57 19.0 15.4 23.0
100 12.7 10.1 15.1



#51
Dibromochloromethane
Concen: 5.009 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Tgt Ion: 129 Resp: 52952
Ion Ratio Lower Upper
129 100
127 81.0 54.1 100.5





#52

1,2-Dibromoethane

Concen: 4.934 ug/L

RT: 8.37 min Scan# 2265

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

ClientSampleId :

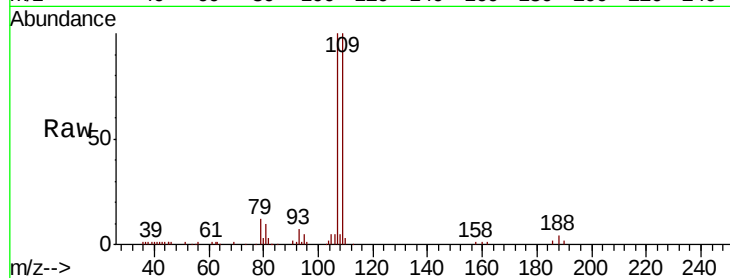
Tot Ion:107 Resp: 40811

Ion Ratio Lower Upper

107 100

109 100.0 69.4 128.8

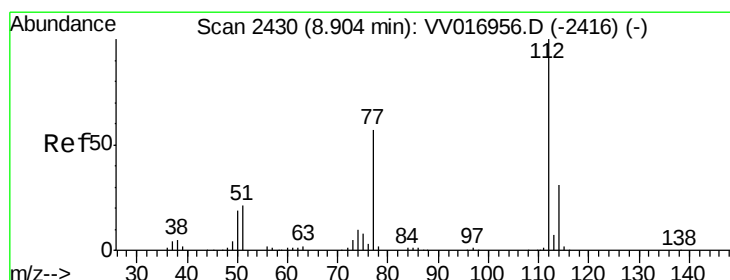
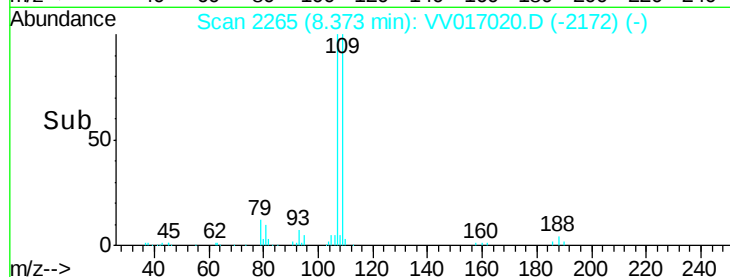
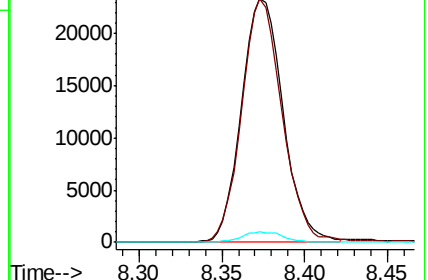
188 4.2 3.9 5.9



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#53

Chlorobenzene

Concen: 5.037 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

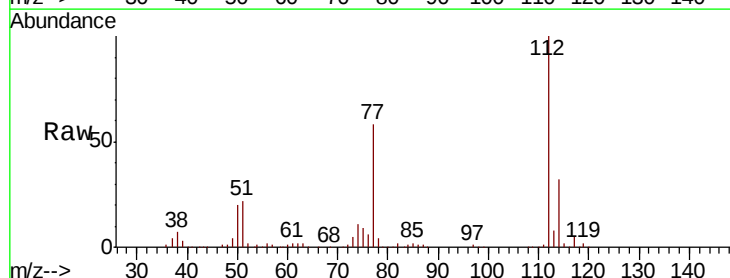
Tgt Ion:112 Resp: 181321

Ion Ratio Lower Upper

112 100

114 31.8 22.0 41.0

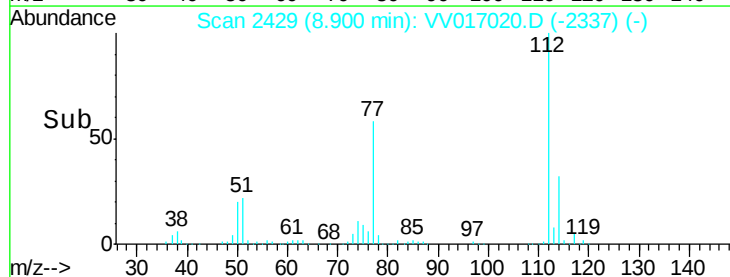
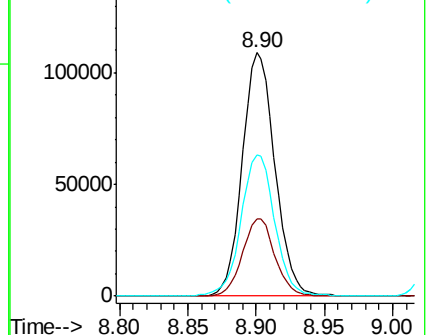
77 58.0 46.0 69.0

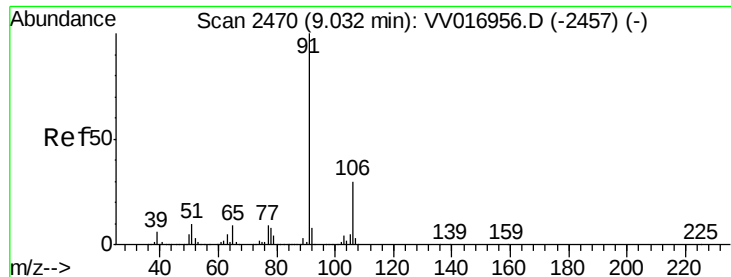


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#54

Ethylbenzene

Concen: 5.124 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

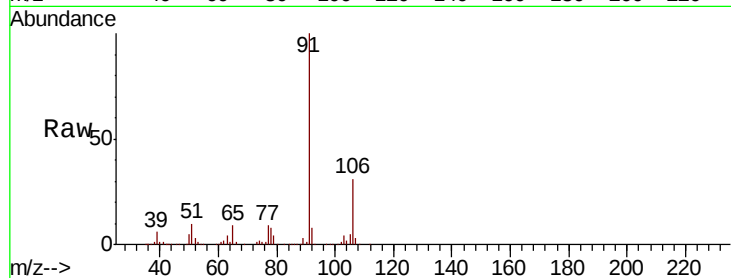
ClientSampleId :

Tot Ion: 91 Resp: 315849

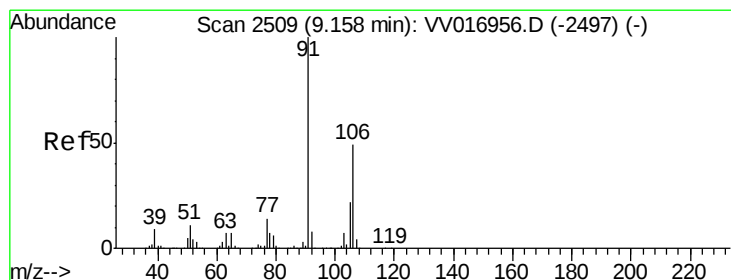
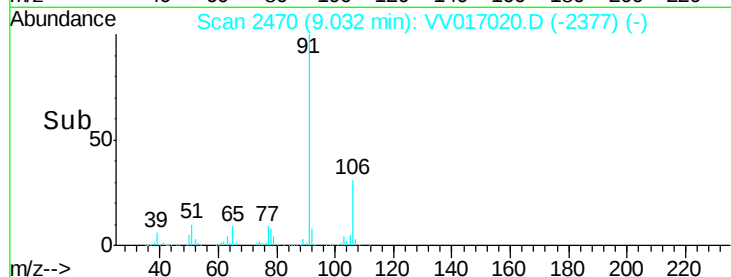
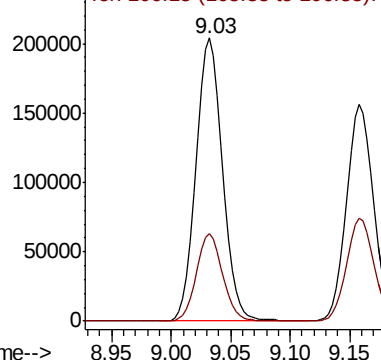
Ion Ratio Lower Upper

91 100

106 30.8 21.1 39.1



Abundance Ion 91.15 (90.85 to 91.85): VV016956.D (-2457) (-)



#55

m,p-xylene

Concen: 4.879 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017020.D

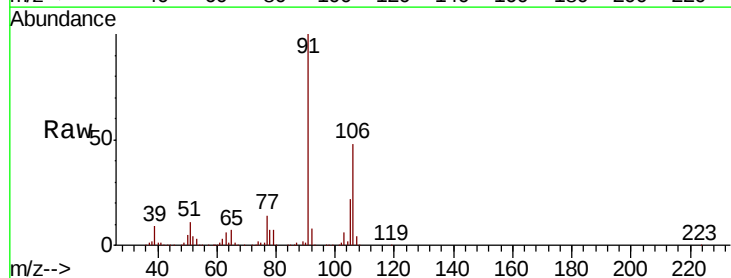
Acq: 22 Jun 2020 15:26

Tgt Ion: 106 Resp: 117962

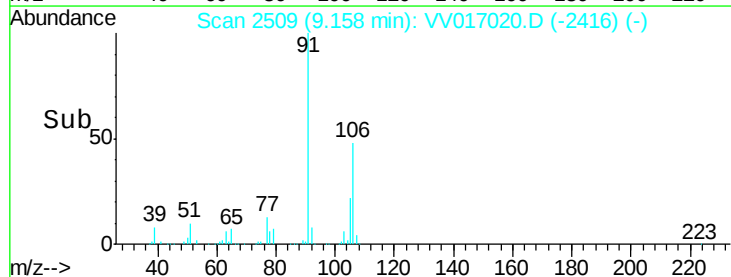
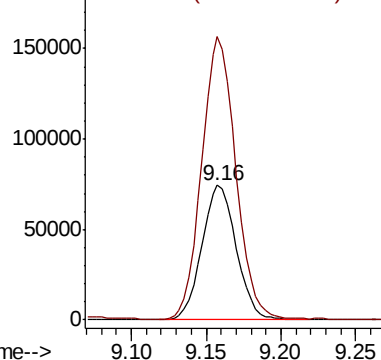
Ion Ratio Lower Upper

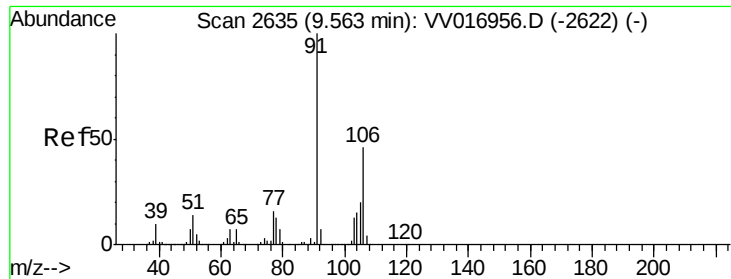
106 100

91 210.1 142.7 264.9



Abundance Ion 106.15 (105.85 to 106.85): VV016956.D (-2497) (-)

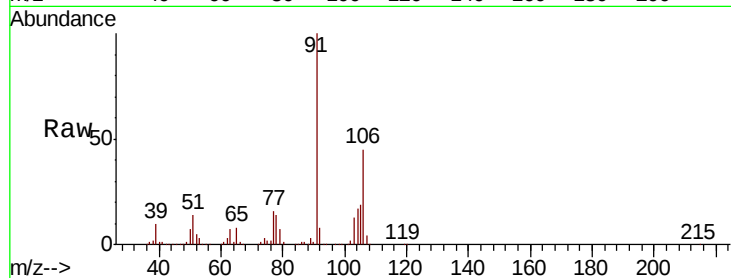




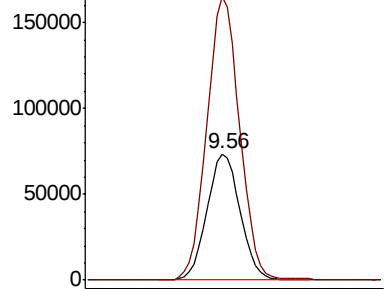
#56
o-xylene
Concen: 5.032 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

Instrument :
MSVOA_V
ClientSampleId :

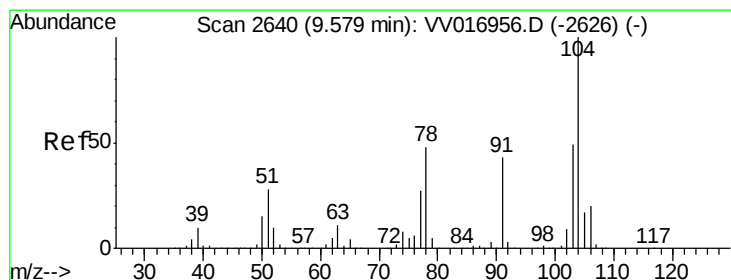
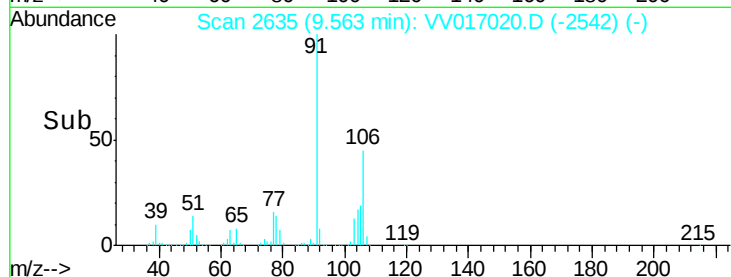
Tot Ion:106 Resp: 113530
Ion Ratio Lower Upper
106 100
91 224.2 153.6 285.2



Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

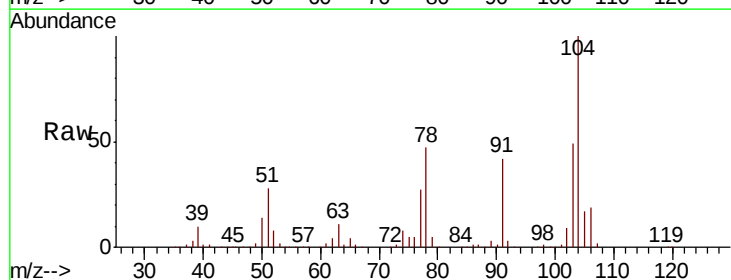


Time-->

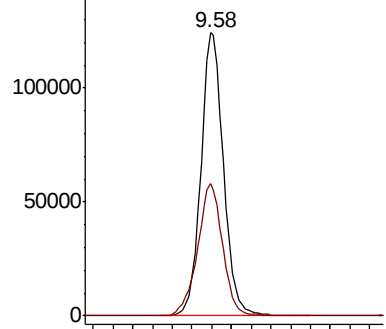


#57
Styrene
Concen: 5.318 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV017020.D
Acq: 22 Jun 2020 15:26

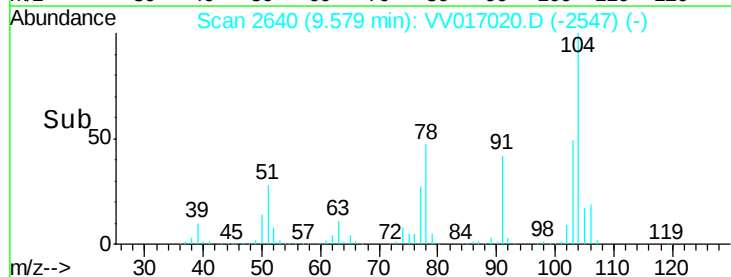
Tgt Ion:104 Resp: 198800
Ion Ratio Lower Upper
104 100
78 46.6 33.9 62.9

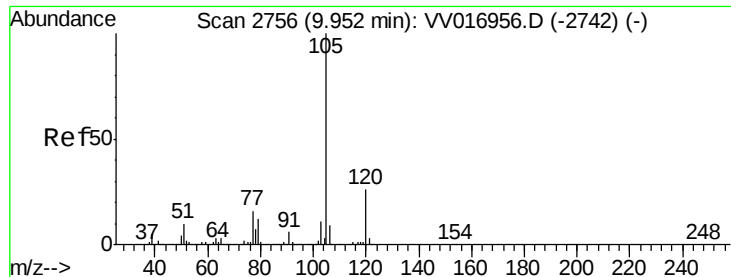


Abundance Ion 104.10 (103.80 to 104.80): V
Ion 78.10 (77.80 to 78.80): VV0



Time-->





#58

Isopropylbenzene

Concen: 5.127 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :
MSVOA_V
ClientSampled :

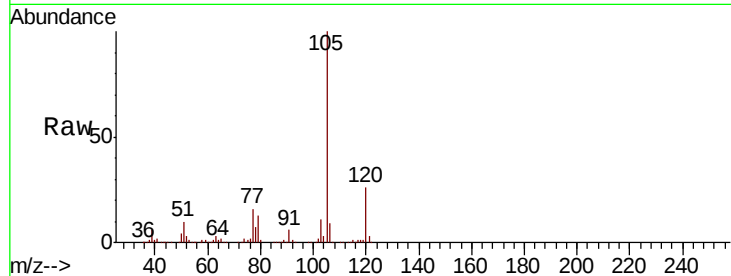
Tot Ion:105 Resp: 318320

Ion Ratio Lower Upper

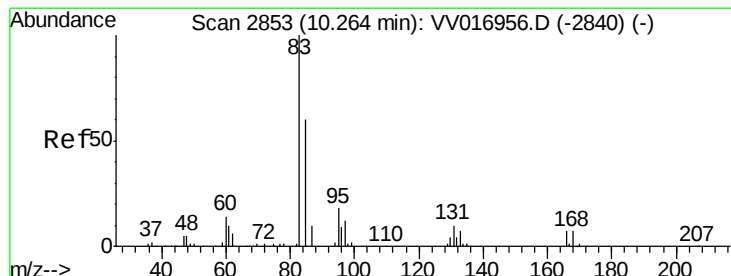
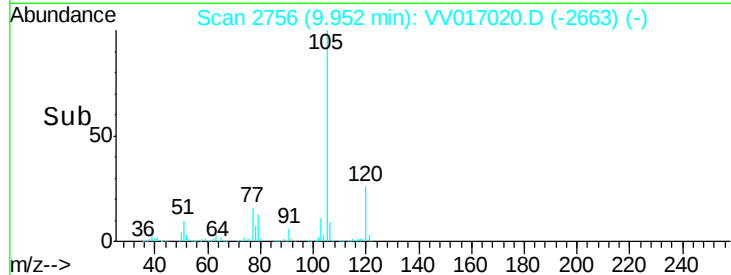
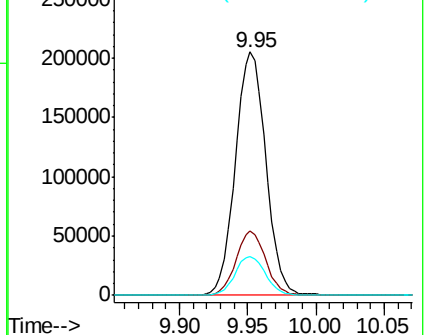
105 100

120 25.8 21.2 31.8

77 16.3 13.0 19.4



Abundance Ion 105.05 (104.75 to 105.75): V
Ion 120.10 (119.80 to 120.80): V
Ion 77.10 (76.80 to 77.80): V



#60

1,1,2,2-Tetrachloroethane

Concen: 5.252 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

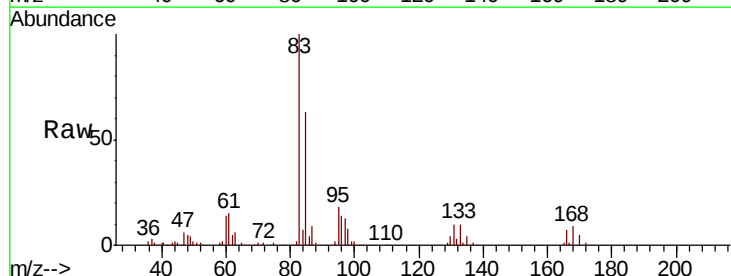
Tgt Ion: 83 Resp: 47381

Ion Ratio Lower Upper

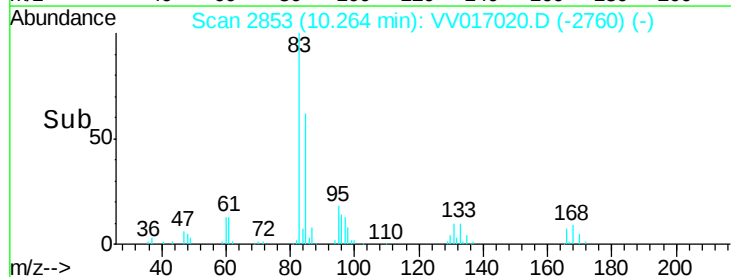
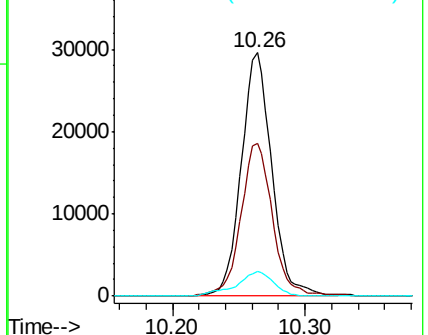
83 100

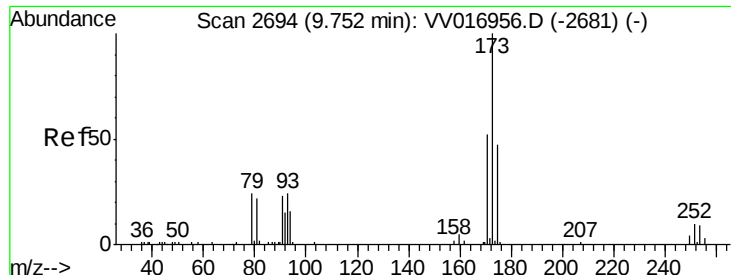
85 62.9 42.9 79.7

131 9.9 8.6 13.0



Abundance Ion 82.95 (82.65 to 83.65): VV0
Ion 85.00 (84.70 to 85.70): VV0
Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 4.716 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :
MSVOA_V
ClientSampleId :

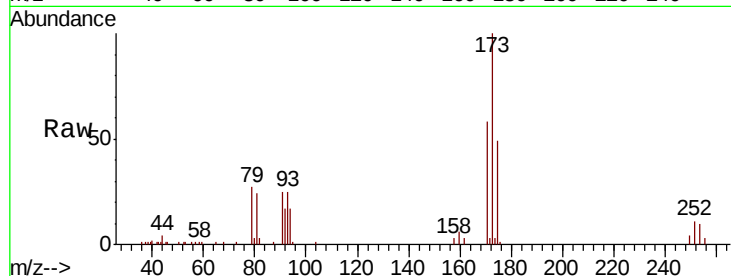
Tot Ion:173 Resp: 25853

Ion Ratio Lower Upper

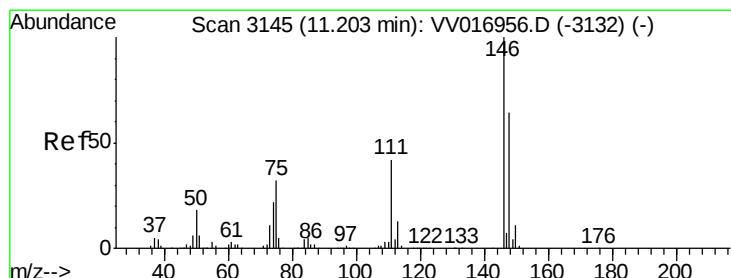
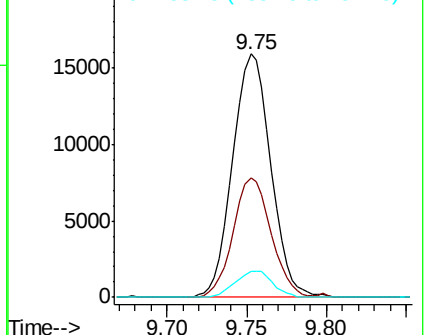
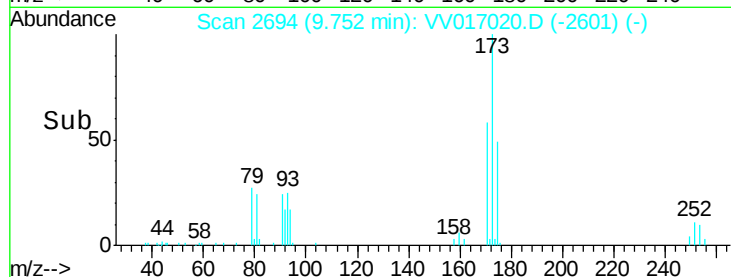
173 100

175 48.7 39.4 59.2

254 10.6 7.4 11.2



Abundance Ion 172.90 (172.60 to 173.60): V
Ion 174.90 (174.60 to 175.60): V
Ion 253.75 (253.45 to 254.45): V



#63

1,3-Dichlorobenzene

Concen: 4.940 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

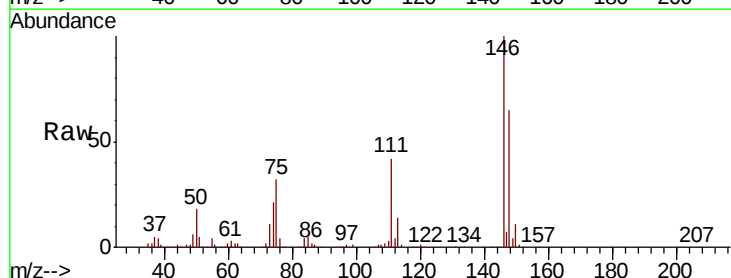
Tgt Ion:146 Resp: 152389

Ion Ratio Lower Upper

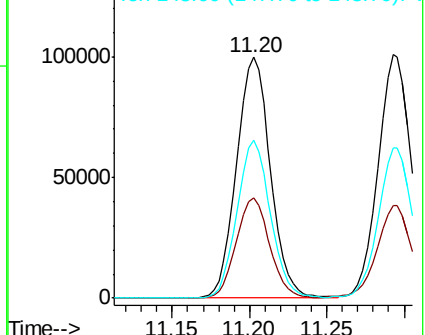
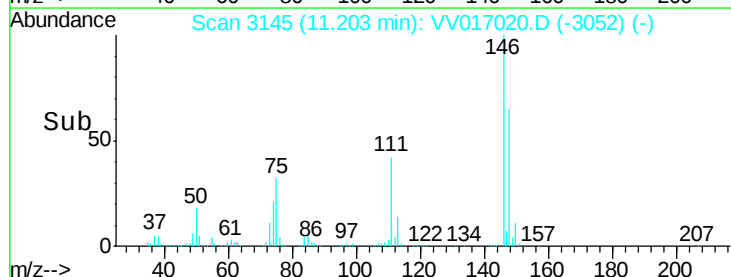
146 100

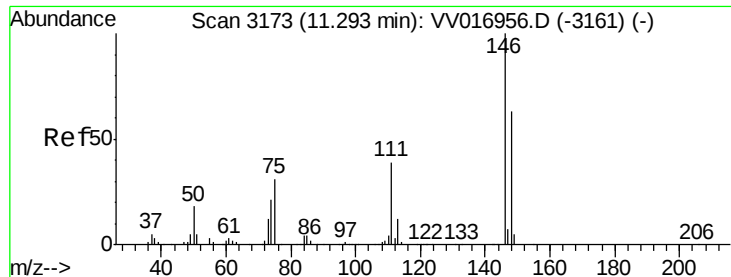
111 41.5 29.2 54.2

148 65.4 44.9 83.5



Abundance Ion 145.95 (145.65 to 146.65): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V





#64

1,4-Dichlorobenzene

Concen: 4.868 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

Instrument :

MSVOA_V

ClientSampled :

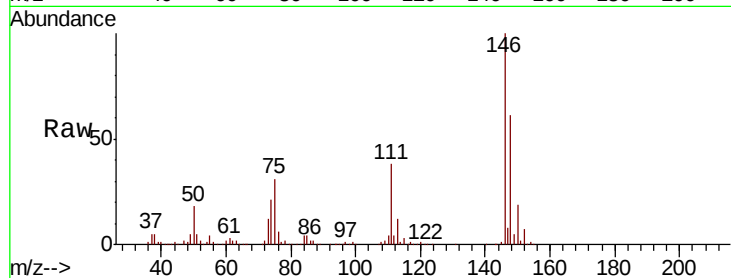
Tot Ion:146 Resp: 152646

Ion Ratio Lower Upper

146 100

111 38.2 27.4 50.8

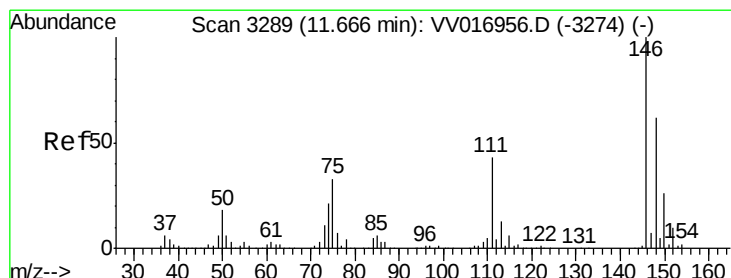
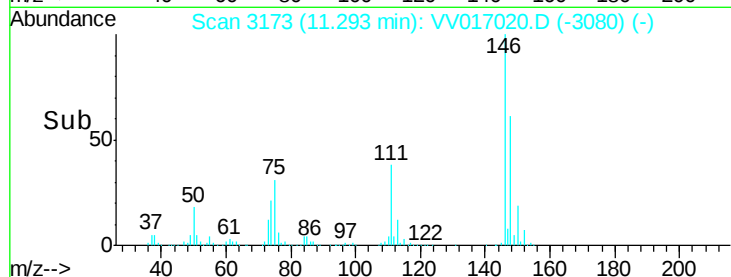
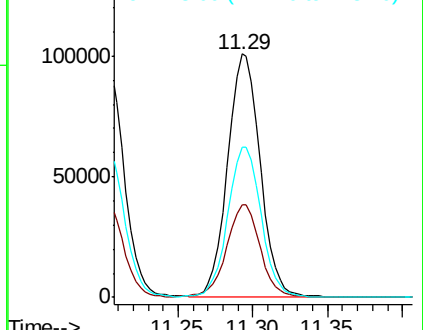
148 61.5 44.3 82.3



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dichlorobenzene

Concen: 5.071 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV017020.D

Acq: 22 Jun 2020 15:26

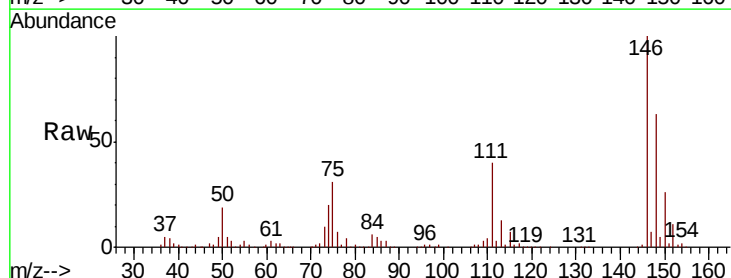
Tgt Ion:146 Resp: 141986

Ion Ratio Lower Upper

146 100

111 40.3 34.4 51.6

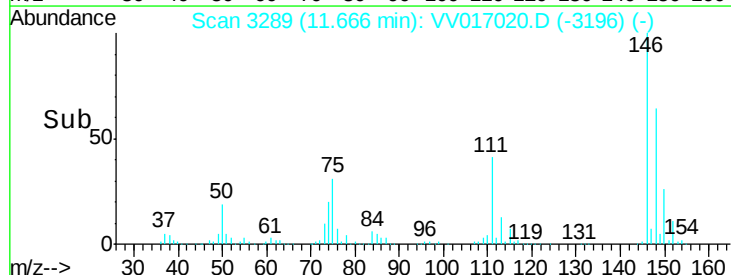
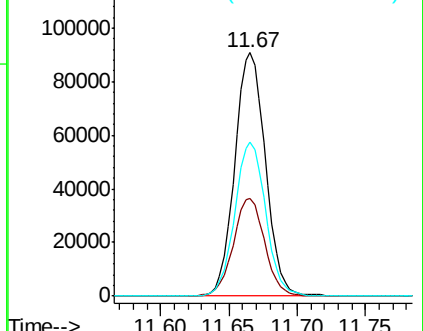
148 63.3 49.9 74.9

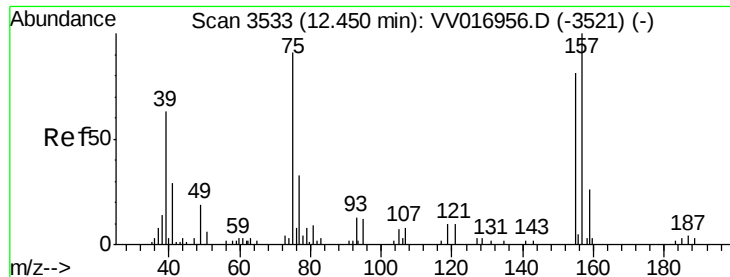


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

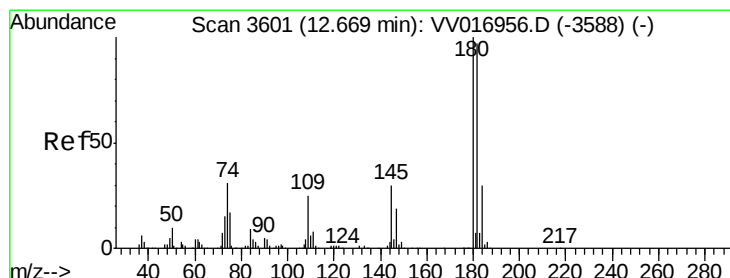
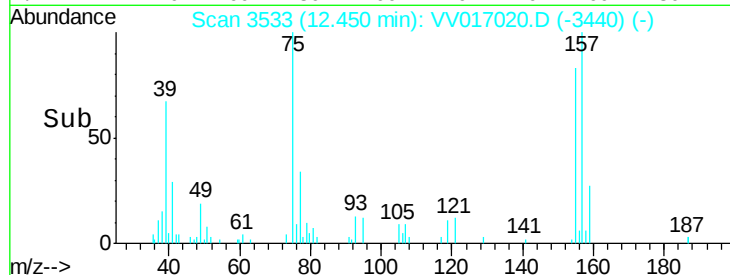
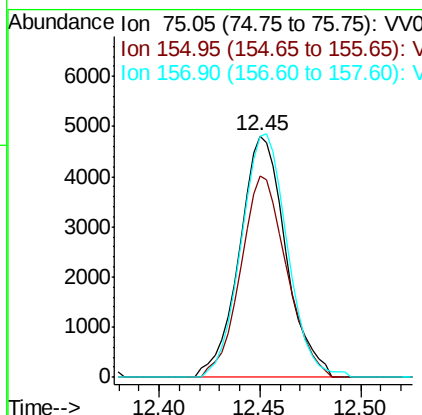
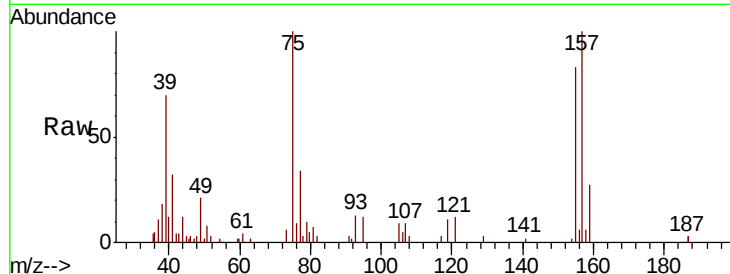




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.999 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

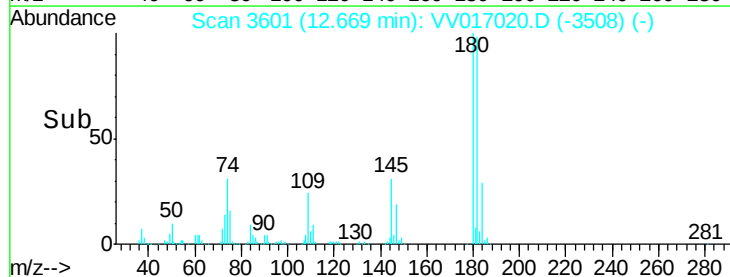
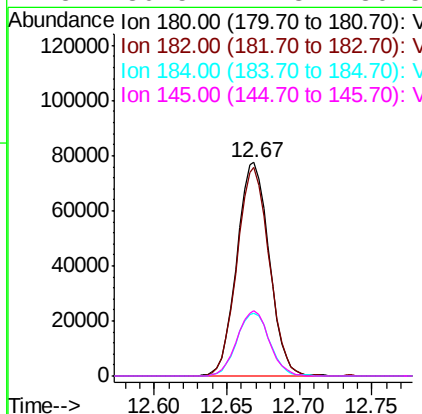
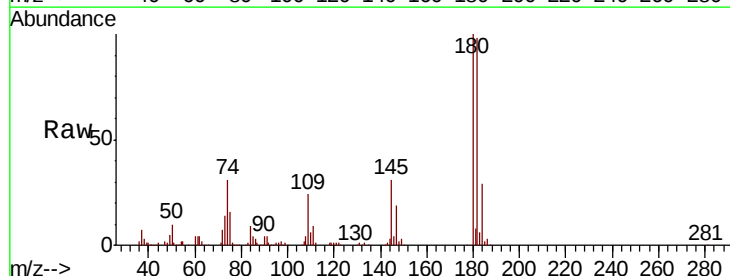
Instrument :
 MSVOA_V
 ClientSampleId :

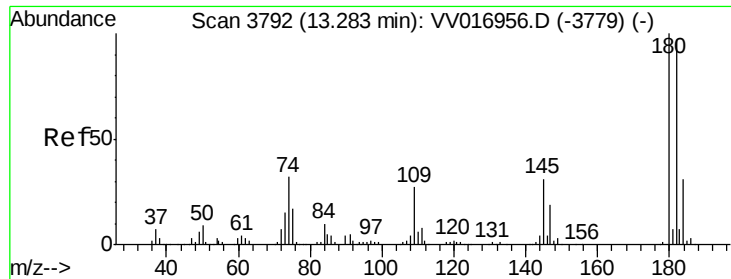
Tot Ion: 75 Resp: 7741
 Ion Ratio Lower Upper
 75 100
 155 83.4 71.1 106.7
 157 99.6 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 4.859 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Tgt Ion: 180 Resp: 120437
 Ion Ratio Lower Upper
 180 100
 182 96.9 77.4 116.2
 184 30.0 24.2 36.4
 145 30.5 24.3 36.5

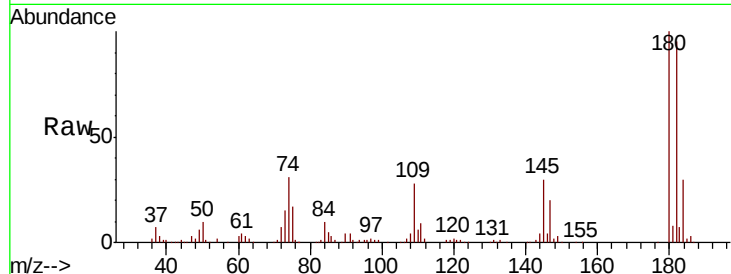




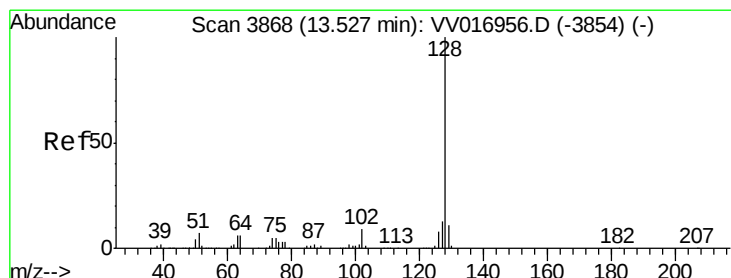
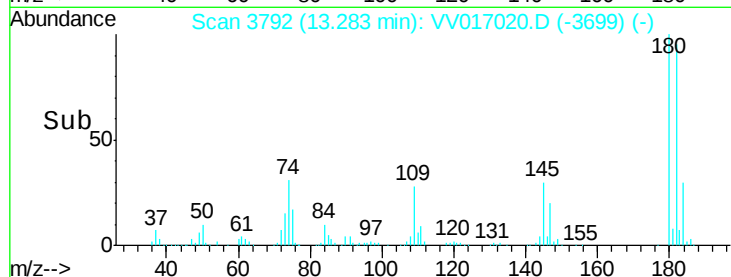
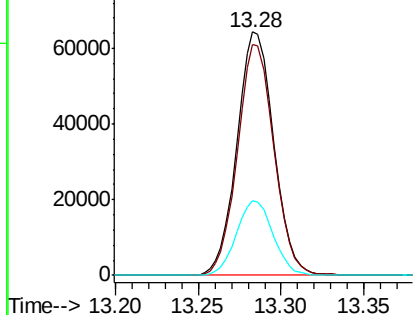
#69
 1,2,4-trichlorobenzene
 Concen: 4.879 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion:180 Resp: 99543
 Ion Ratio Lower Upper
 180 100
 182 94.0 76.6 114.8
 145 30.5 25.0 37.6

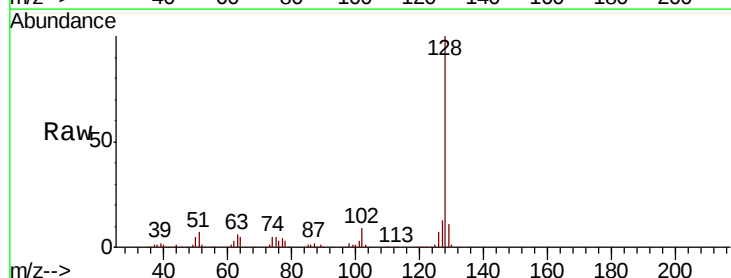


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

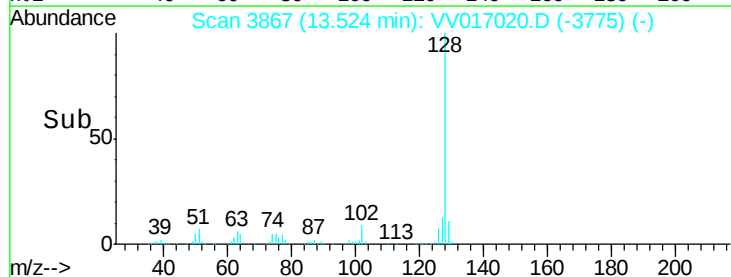
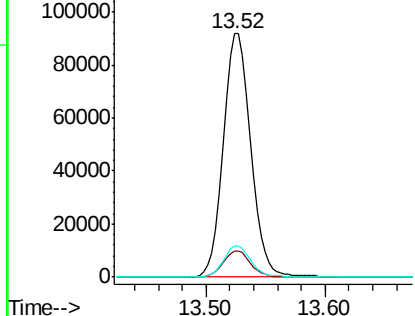


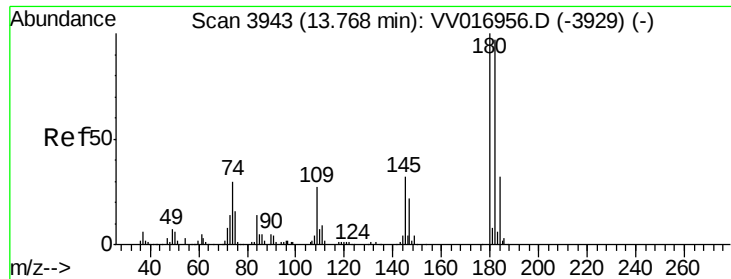
#70
 Naphthalene
 Concen: 5.099 ug/L
 RT: 13.52 min Scan# 3867
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Tgt Ion:128 Resp: 146910
 Ion Ratio Lower Upper
 128 100
 129 10.7 8.8 13.2
 127 12.9 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V
 Ion 129.00 (128.70 to 129.70): V
 Ion 127.00 (126.70 to 127.70): V

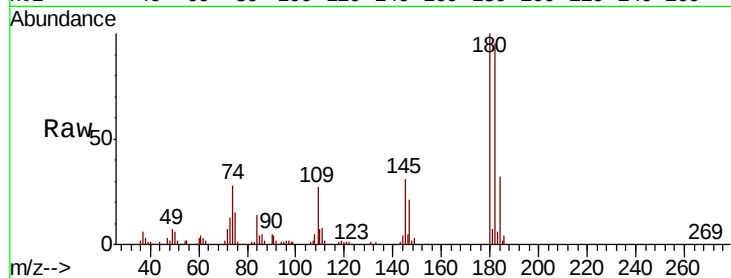




#71
 1,2,3-Trichlorobenzene
 Concen: 5.079 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV017020.D
 Acq: 22 Jun 2020 15:26

Instrument :
 MSVOA_V
 ClientSampleId :

Tot Ion	180	Resp	84515
Ion Ratio	100	Lower	Upper
180	100	77.4	116.0
182	95.9	25.9	38.9
145	31.7		



Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

