

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
 Data File : VV016956.D
 Acq On : 17 Jun 2020 10:20
 Operator : SY/MD
 Sample : VSTD00536
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Quant Time: Jun 18 00:56:25 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR061720WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 00:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	215194	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	204355	5.00	ug/L	0.00
61) 1,4-Dichlorobenzene-d4	11.27	152	108492	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	63248	3.59	ug/L	0.00
7) Chloroethane-d5	1.58	69	46154	3.46	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	118984	3.82	ug/L	0.00
20) 2-Butanone-d5	3.92	46	161089	41.38	ug/L	0.00
24) Chloroform-d	4.37	84	131327	4.28	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	70252	4.38	ug/L	0.00
32) Benzene-d6	5.07	84	256663	4.52	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	76310	4.36	ug/L	0.00
41) Toluene-d8	7.34	98	247643	4.74	ug/L	0.00
45) trans-1,3-Dichloropropene-	7.64	79	31342	4.89	ug/L	0.00
48) 2-Hexanone-d5	8.11	63	127374	43.83	ug/L	0.00
59) 1,1,2,2-Tetrachloroethane-	10.24	84	51346	4.21	ug/L	0.00
65) 1,2-Dichlorobenzene-d4	11.65	152	94580	4.72	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	86080	4.967	ug/L 100
3) Chloromethane	1.25	50	72870	3.617	ug/L 100
5) Vinyl chloride	1.32	62	69252	3.852	ug/L 100
6) Bromomethane	1.53	94	39884	3.919	ug/L 100
8) Chloroethane	1.60	64	37982	3.567	ug/L 100
9) Trichlorofluoromethane	1.77	101	115228	4.581	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	57127	4.137	ug/L 100
12) 1,1-Dichloroethene	2.13	96	52346	4.000	ug/L 100
13) Acetone	2.19	43	82604	32.051	ug/L 100
14) Carbon disulfide	2.31	76	149943	3.796	ug/L 100
15) Methyl Acetate	2.45	43	19259	3.013	ug/L 100
16) Methylene chloride	2.52	84	52890	3.798	ug/L 100
17) Methyl tert-butyl Ether	2.79	73	128579	4.162	ug/L 100
18) trans-1,2-Dichloroethene	2.78	96	52653	3.811	ug/L 100
19) 1,1-Dichloroethane	3.21	63	120961	4.347	ug/L 100
21) 2-Butanone	4.00	43	159972	41.874	ug/L 100
22) cis-1,2-Dichloroethene	3.94	96	73453	4.625	ug/L 100
23) Bromochloromethane	4.27	128	31993	5.089	ug/L 100
25) Chloroform	4.40	83	133818	4.709	ug/L 100
27) 1,2-Dichloroethane	5.15	62	81344	4.419	ug/L 100
29) 1,1,1-Trichloroethane	4.63	97	122390	5.112	ug/L 100
30) Cyclohexane	4.70	56	113013	4.509	ug/L 100
31) Carbon tetrachloride	4.85	117	108011	5.220	ug/L 100
33) Benzene	5.12	78	269025	4.575	ug/L 100
34) Trichloroethene	5.94	95	77167	4.926	ug/L 100
35) Methylcyclohexane	6.15	83	121132	4.816	ug/L 100
37) 1,2-Dichloropropane	6.20	63	65961	4.495	ug/L 100
38) Bromodichloromethane	6.53	83	87861	4.852	ug/L 100
39) cis-1,3-Dichloropropene	7.05	75	99128	4.955	ug/L 100
40) 4-Methyl-2-pentanone	7.25	43	388286	43.885	ug/L 100

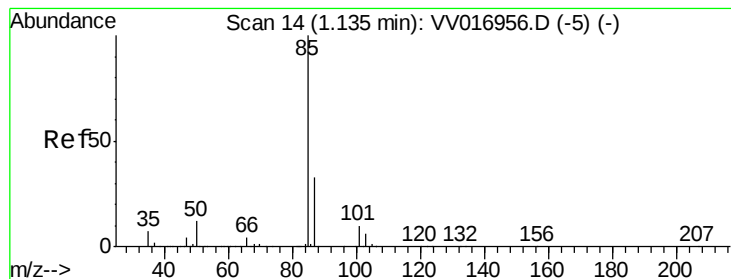
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV061720\
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 Quant Title : TRACE VOA SOM01.0
 QLast Update : Thu Jun 18 00:53:45 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	302751	4.825	ug/L	100
43) 1,3,5-Trimethylbenzene	10.56	105	288962	5.156	ug/L	100
44) 1,2,4-Trimethylbenzene	10.94	105	299056	5.211	ug/L	100
46) trans-1,3-Dichloropropene	7.67	75	85617	5.177	ug/L	100
47) 1,1,2-Trichloroethane	7.86	97	47010	4.878	ug/L	100
49) Tetrachloroethene	8.00	164	62849	5.326	ug/L	100
50) 2-Hexanone	8.16	43	278893	45.145	ug/L	100
51) Dibromochloromethane	8.27	129	58145	5.560	ug/L	100
52) 1,2-Dibromoethane	8.37	107	44286	4.874	ug/L	100
53) Chlorobenzene	8.90	112	193854	4.869	ug/L	100
54) Ethylbenzene	9.03	91	340641	4.900	ug/L	100
55) m,p-xylene	9.16	106	130397	4.991	ug/L	100
56) o-xylene	9.56	106	123908	5.044	ug/L	100
57) Styrene	9.58	104	207767	4.982	ug/L	100
58) Isopropylbenzene	9.95	105	345864	5.131	ug/L	100
60) 1,1,2,2-Tetrachloroethane	10.26	83	49861	4.219	ug/L	100
62) Bromoform	9.75	173	28870	6.021	ug/L	100
63) 1,3-Dichlorobenzene	11.20	146	163461	4.962	ug/L	100
64) 1,4-Dichlorobenzene	11.29	146	162943	4.781	ug/L	100
66) 1,2-Dichlorobenzene	11.67	146	149020	4.844	ug/L	100
67) 1,2-Dibromo-3-chloropropan	12.45	75	7719	4.002	ug/L	100
68) 1,3,5-Trichlorobenzene	12.67	180	131477	5.408	ug/L	100
69) 1,2,4-trichlorobenzene	13.28	180	107249	5.161	ug/L	100
70) Naphthalene	13.53	128	152098	3.206	ug/L	100
71) 1,2,3-Trichlorobenzene	13.77	180	88784	4.879	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 4.967 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

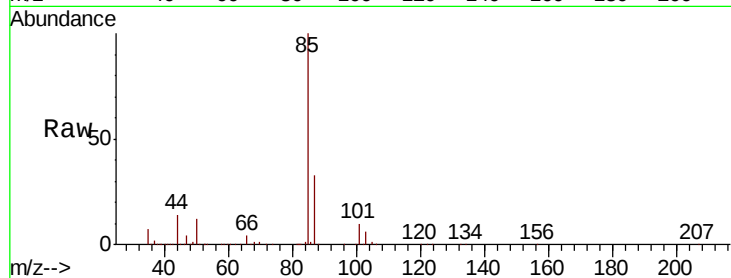
VSTD00536

Tot Ion: 85 Resp: 86080

Ion Ratio Lower Upper

85 100

87 32.9 26.3 39.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

100000

80000

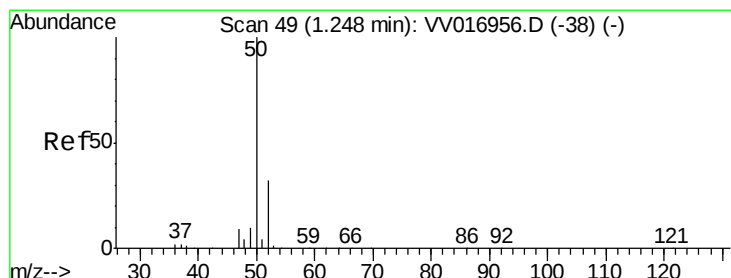
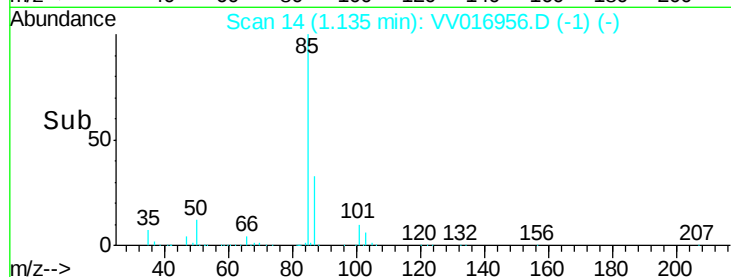
60000

40000

20000

0

Time-->



#3

Chloromethane

Concen: 3.617 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016956.D

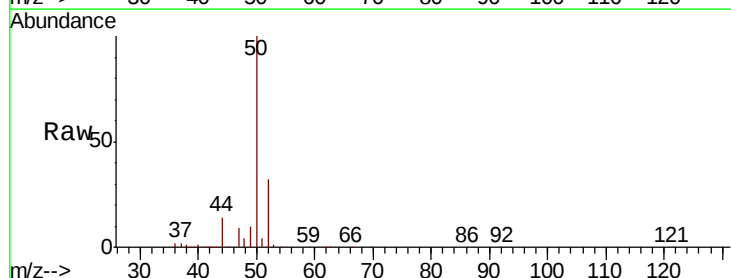
Acq: 17 Jun 2020 10:20

Tgt Ion: 50 Resp: 72870

Ion Ratio Lower Upper

50 100

52 32.2 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0

1.25

80000

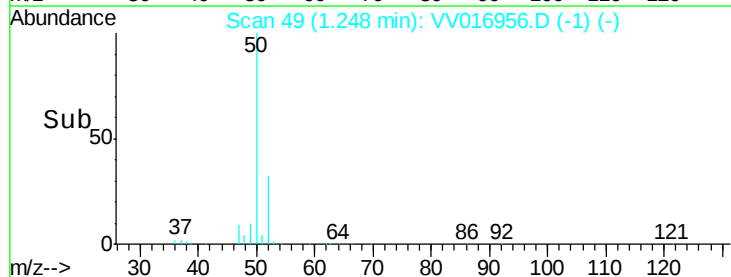
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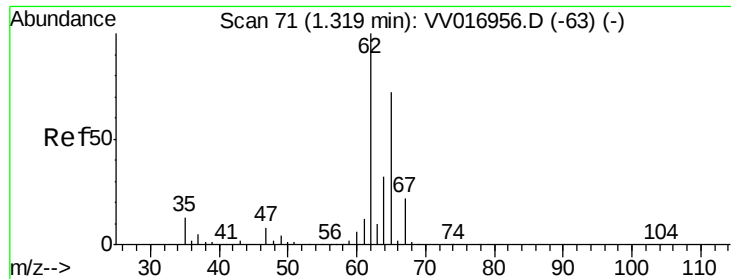
40000

20000

0

Time-->





#5

Vinyl chloride

Concen: 3.852 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

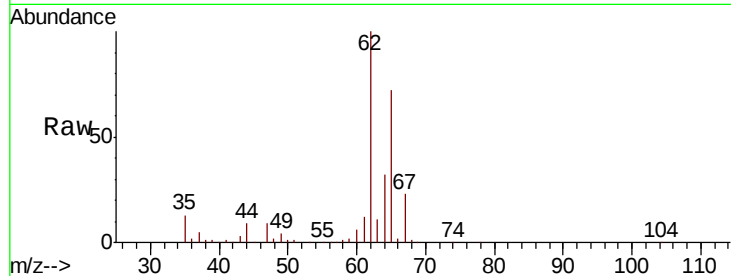
VSTD00536

Tot Ion: 62 Resp: 69252

Ion Ratio Lower Upper

62 100

64 32.1 22.5 41.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

80000

60000

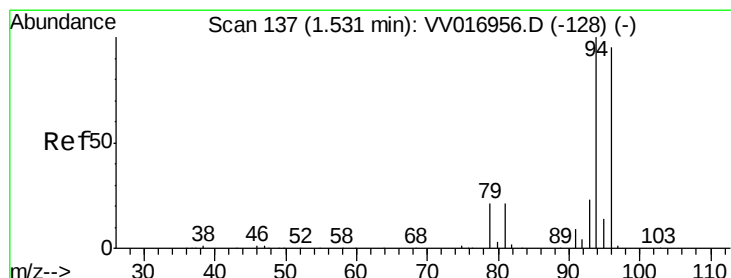
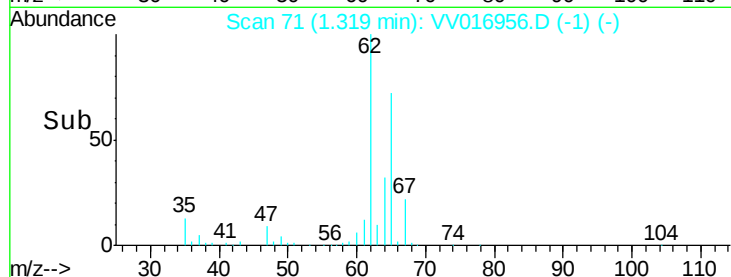
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20000

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Time-->

1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 3.919 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV016956.D

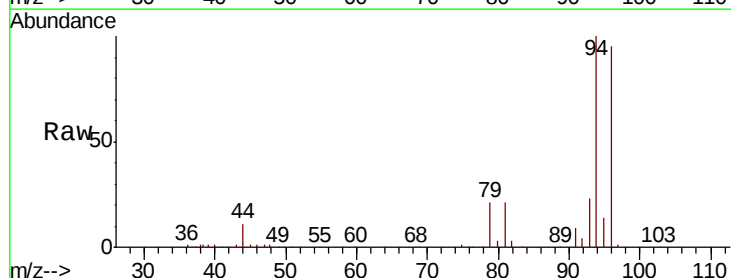
Acq: 17 Jun 2020 10:20

Tgt Ion: 94 Resp: 39884

Ion Ratio Lower Upper

94 100

96 94.6 66.2 123.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

40000

30000

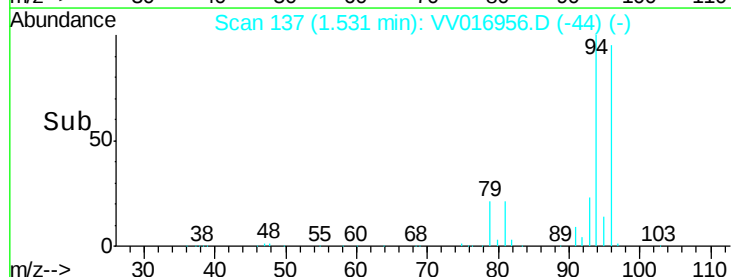
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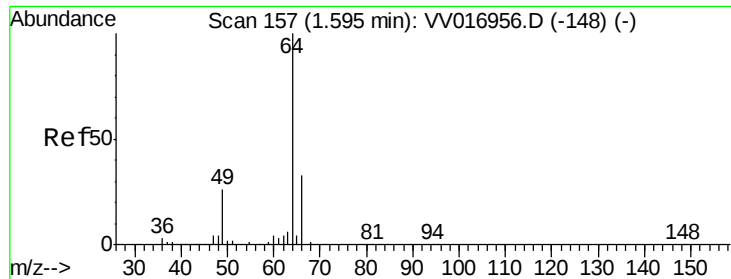
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Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 3.567 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

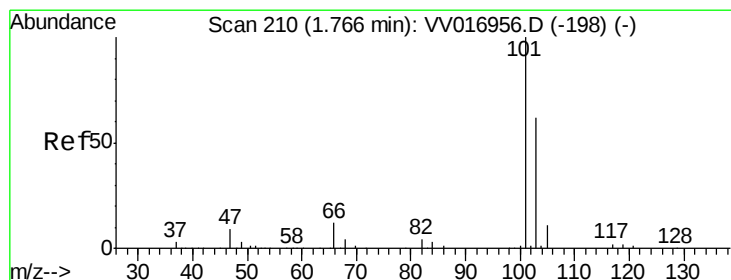
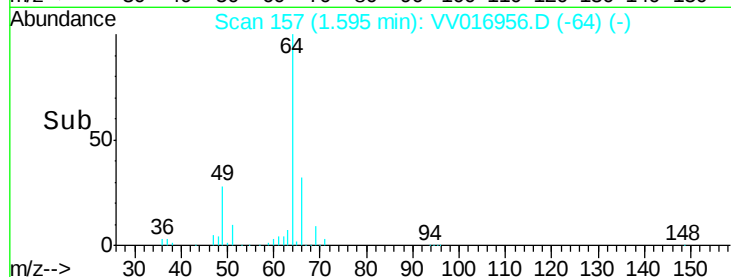
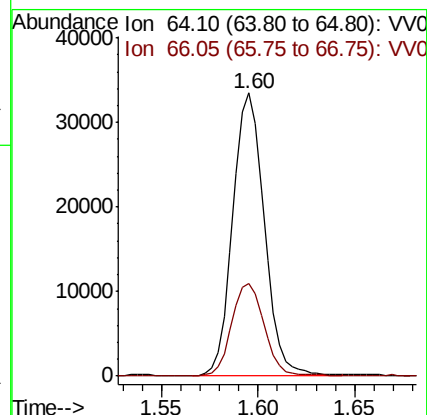
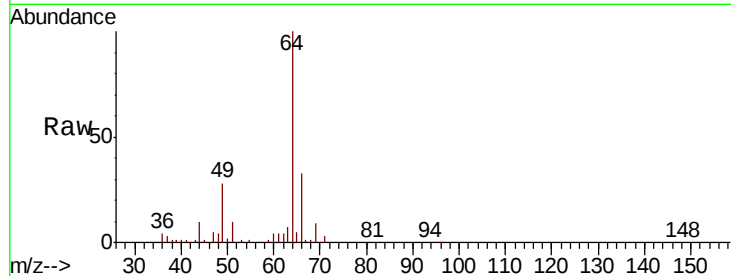
VSTD00536

Tot Ion: 64 Resp: 37982

Ion Ratio Lower Upper

64 100

66 32.6 22.8 42.4



#9

Trichlorofluoromethane

Concen: 4.581 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV016956.D

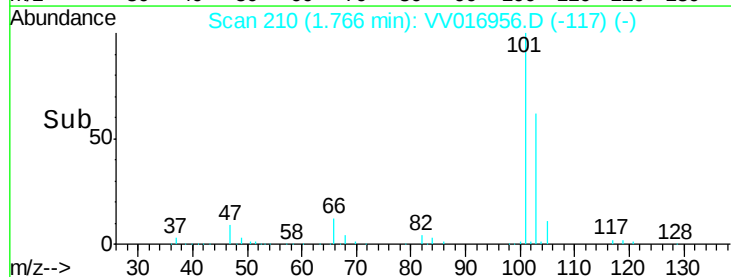
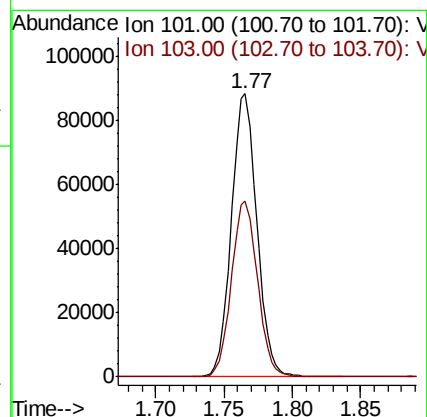
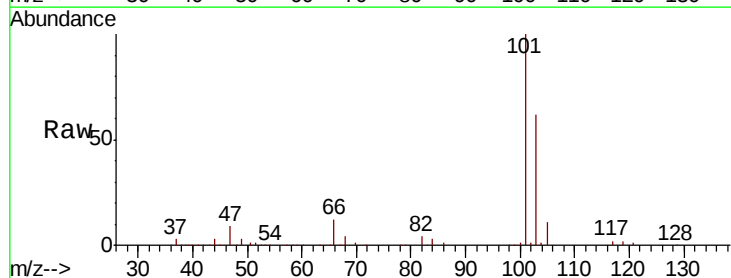
Acq: 17 Jun 2020 10:20

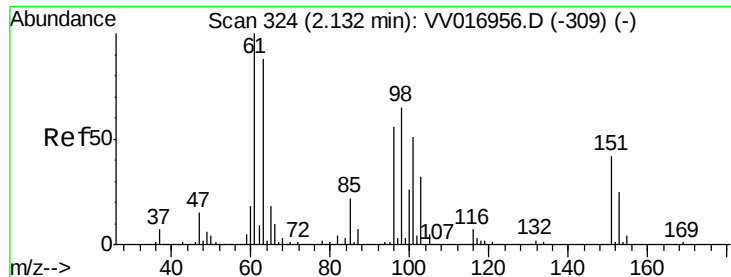
Tgt Ion: 101 Resp: 115228

Ion Ratio Lower Upper

101 100

103 63.6 50.9 76.3





#10

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

Concen: 4.137 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

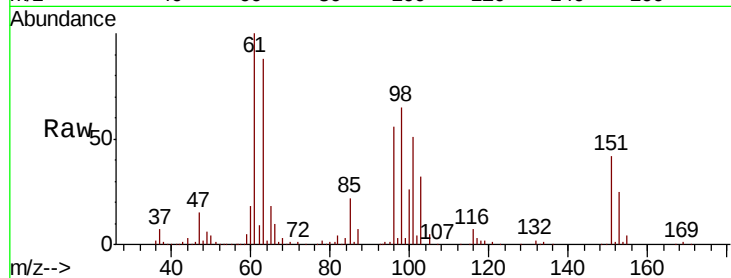
MSVOA_V

ClientSampleId :

VSTD00536

Tot Ion:101 Resp: 57127

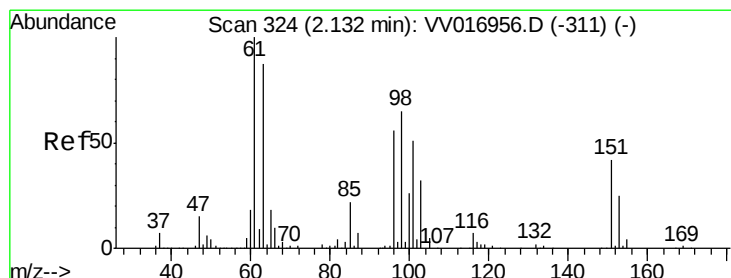
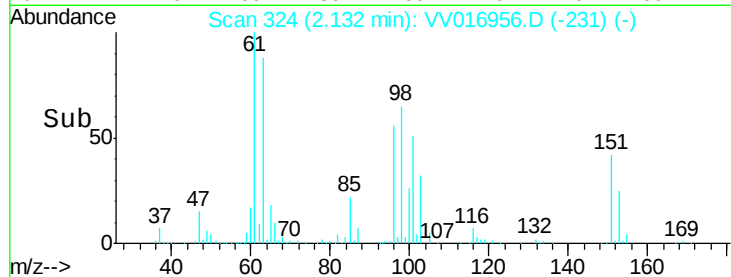
Ion	Ratio	Lower	Upper
101	100		
85	44.3	35.4	53.2
151	79.9	63.9	95.9



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: 4.000 ug/L

RT: 2.13 min Scan# 324

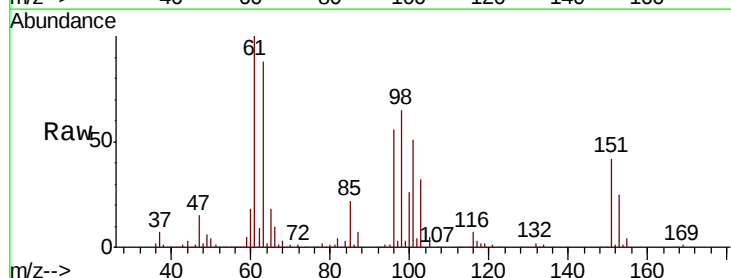
Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Tgt Ion: 96 Resp: 52346

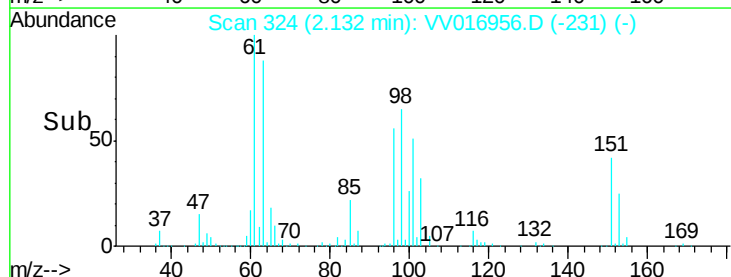
Ion	Ratio	Lower	Upper
96	100		
61	178.6	125.0	232.2
63	156.8	109.8	203.8

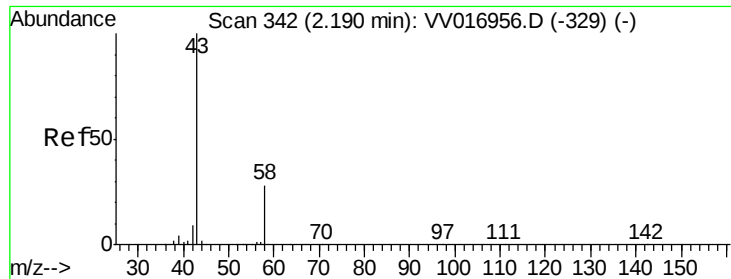


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 32.051 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

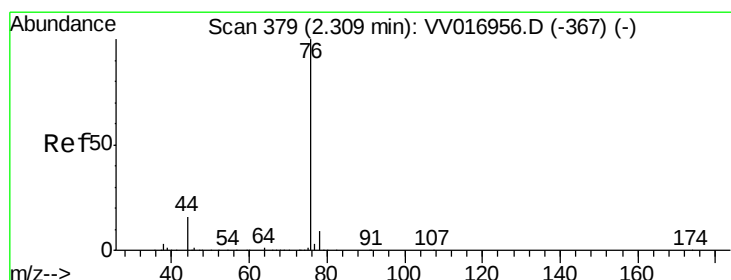
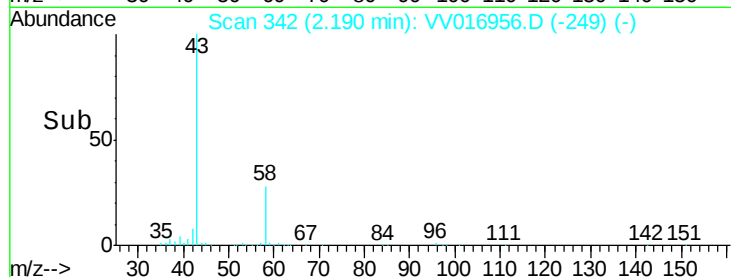
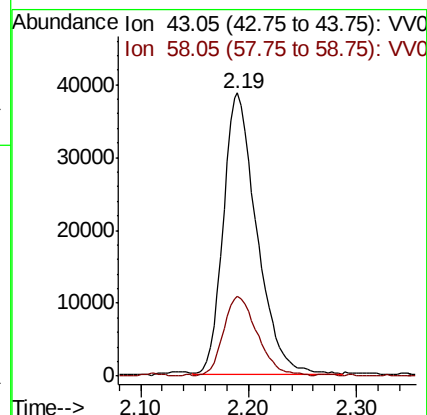
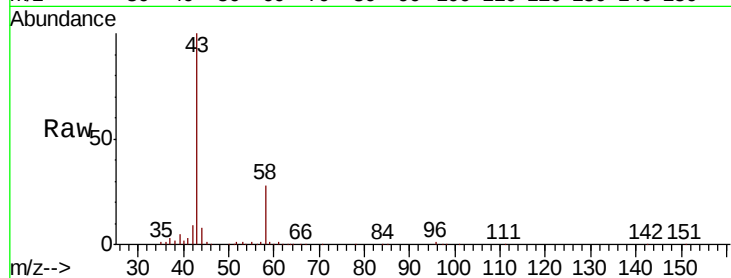
VSTD00536

Tot Ion: 43 Resp: 82604

Ion Ratio Lower Upper

43 100

58 29.2 0.0 58.4



#14

Carbon disulfide

Concen: 3.796 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016956.D

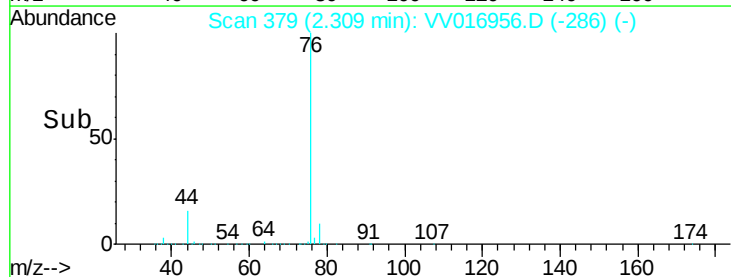
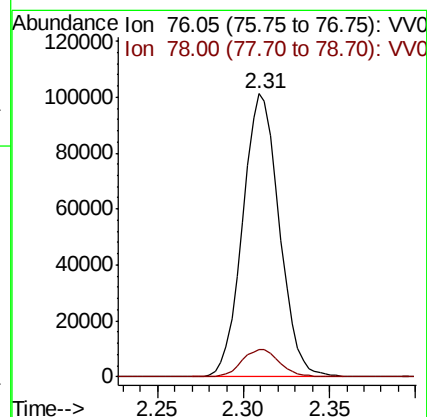
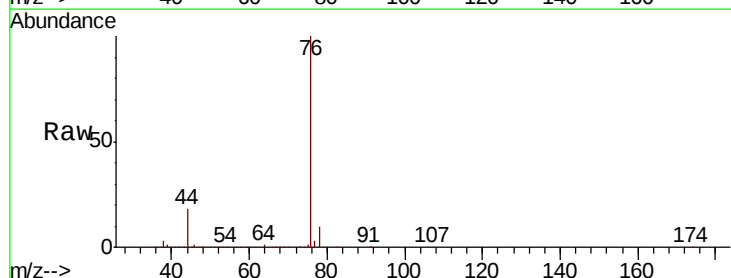
Acq: 17 Jun 2020 10:20

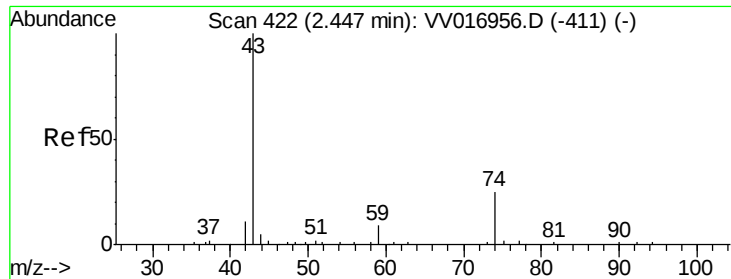
Tgt Ion: 76 Resp: 149943

Ion Ratio Lower Upper

76 100

78 9.6 7.7 11.5





#15

Methvl Acetate

Concen: 3.013 ug/L

RT: 2.45 min Scan# 422

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampled :

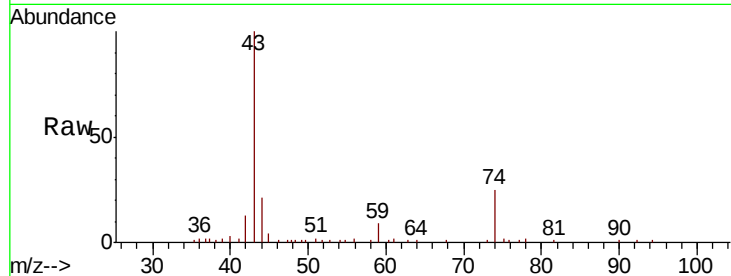
VSTD00536

Tot Ion: 43 Resp: 19259

Ion Ratio Lower Upper

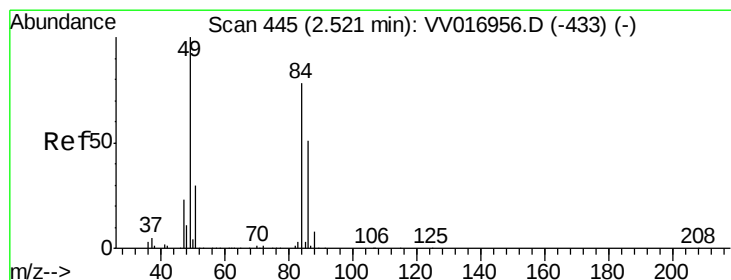
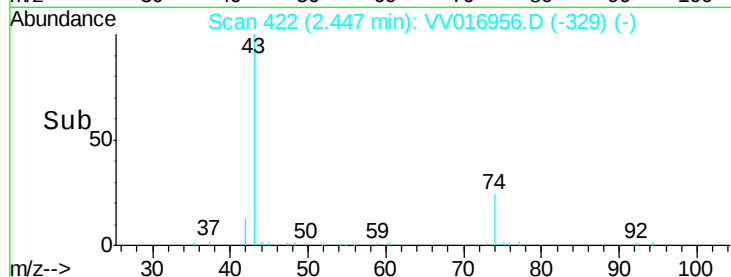
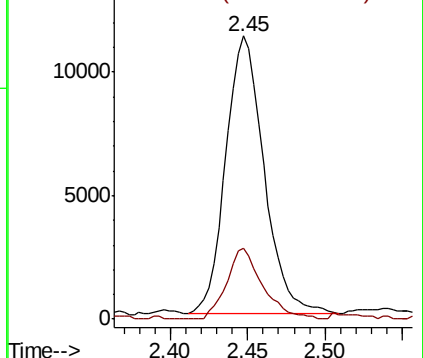
43 100

74 23.9 19.1 28.7



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0



#16

Methylene chloride

Concen: 3.798 ug/L

RT: 2.52 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

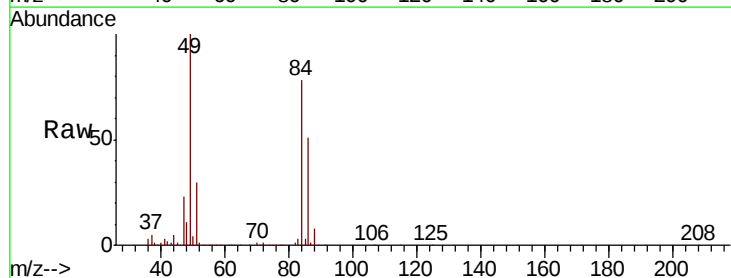
Tgt Ion: 84 Resp: 52890

Ion Ratio Lower Upper

84 100

86 65.4 45.8 85.0

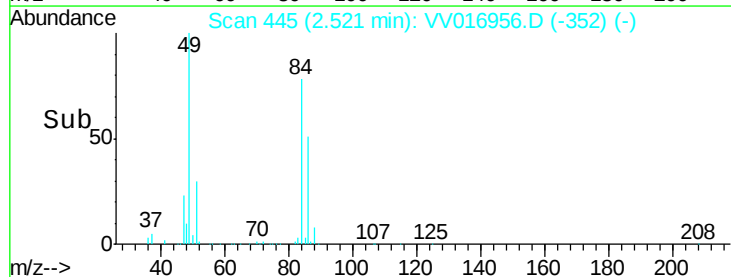
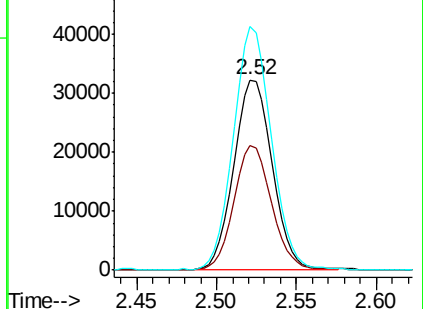
49 128.0 89.6 166.4

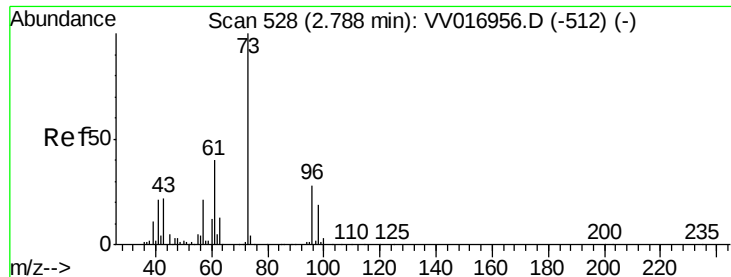


Abundance Ion 84.05 (83.75 to 84.75): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.10 (48.80 to 49.80): VV0

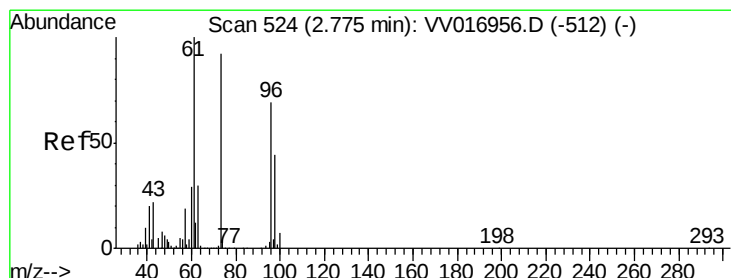
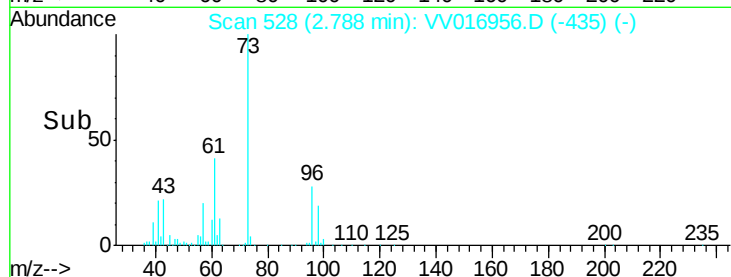
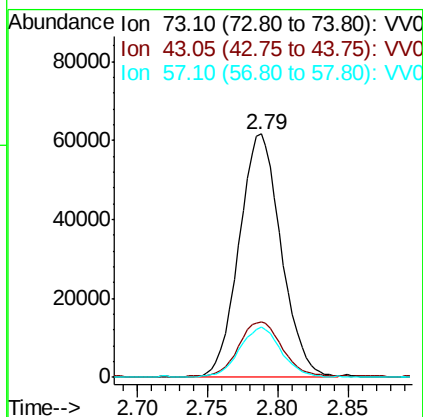
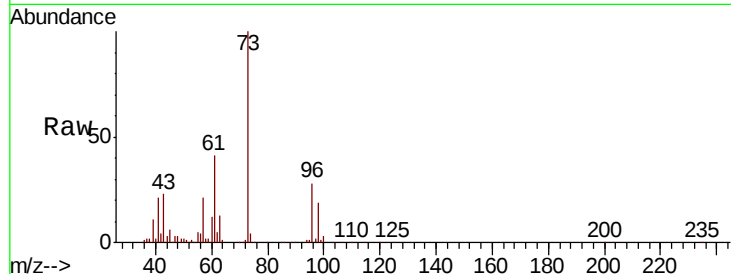




#17
Methvl tert-butvl Ether
Concen: 4.162 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

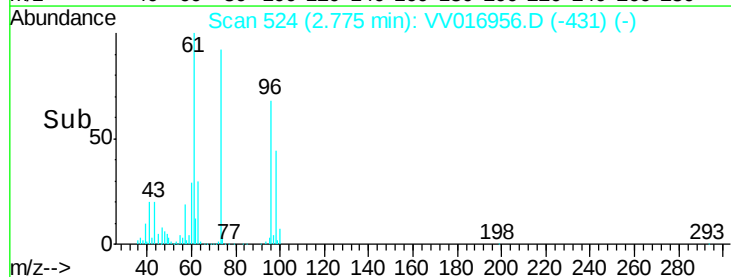
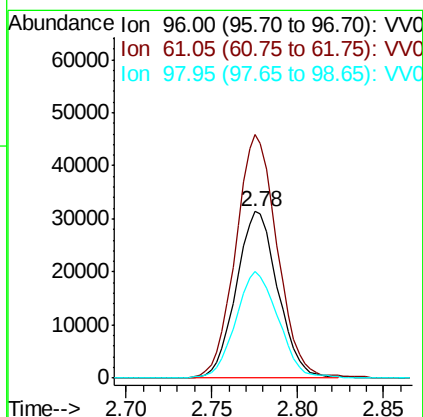
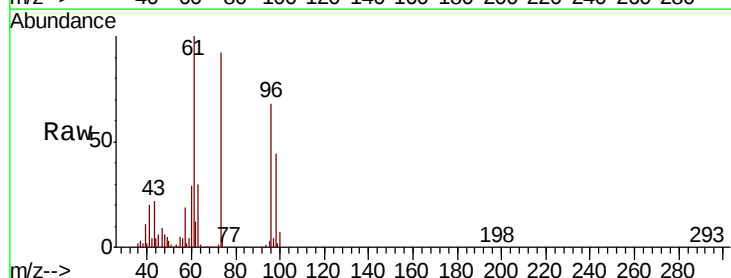
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

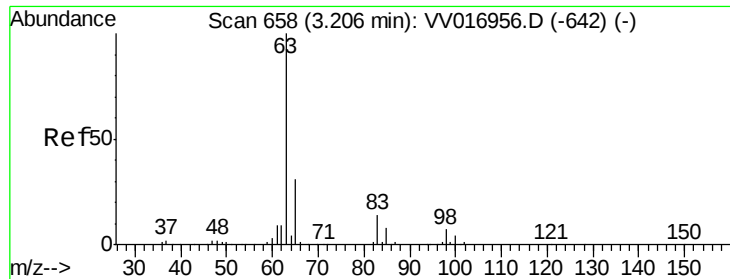
Tot Ion	Ratio	Lower	Upper
73	100		
43	23.3	18.6	28.0
57	20.5	16.4	24.6



#18
trans-1,2-Dichloroethene
Concen: 3.811 ug/L
RT: 2.78 min Scan# 524
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

Tgt Ion	Ratio	Lower	Upper
96	100		
61	146.1	102.3	189.9
98	63.8	44.7	82.9





#19

1,1-Dichloroethane

Concen: 4.347 ug/L

RT: 3.21 min Scan# 658

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

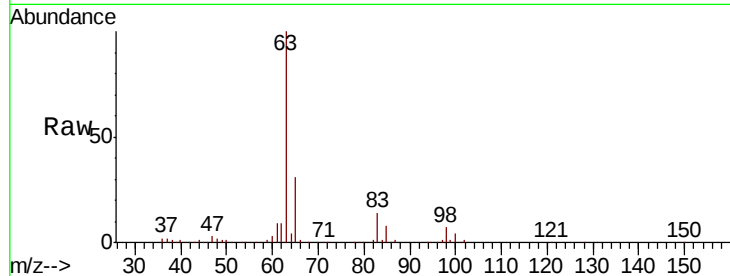
Tot Ion: 63 Resp: 120961

Ion Ratio Lower Upper

63 100

65 31.1 21.8 40.4

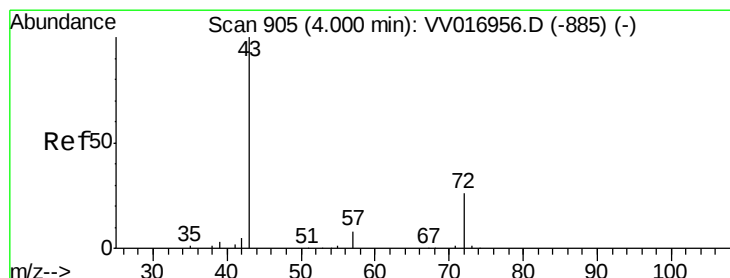
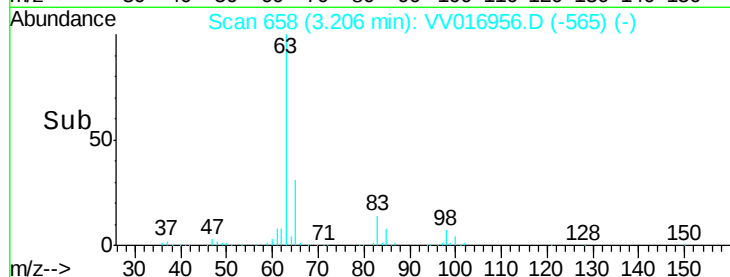
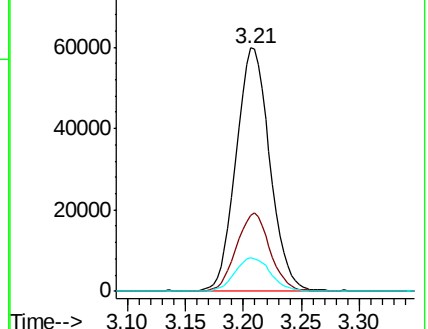
83 13.8 9.7 17.9



Abundance Ion 63.10 (62.80 to 63.80): VV016956.D (-642) (-)

Ion 65.10 (64.80 to 65.80): VV016956.D (-642) (-)

Ion 83.05 (82.75 to 83.75): VV016956.D (-642) (-)



#21

2-Butanone

Concen: 41.874 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV016956.D

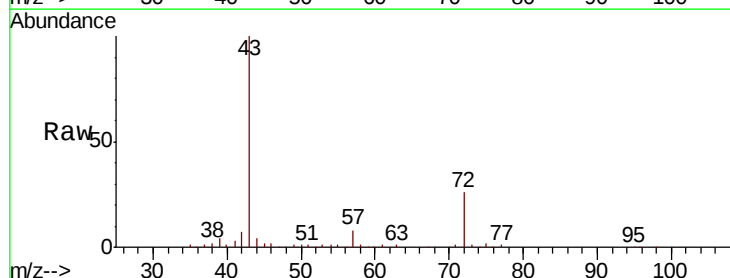
Acq: 17 Jun 2020 10:20

Tgt Ion: 43 Resp: 159972

Ion Ratio Lower Upper

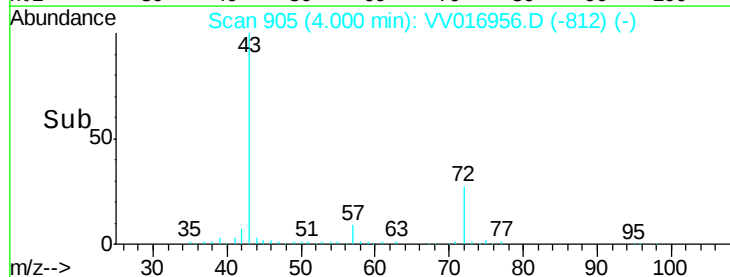
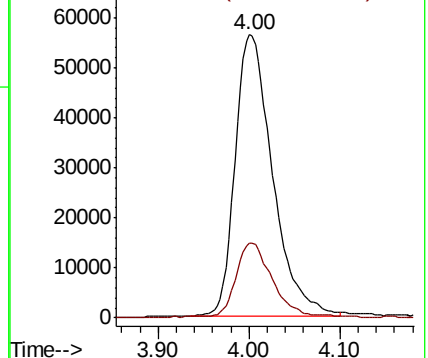
43 100

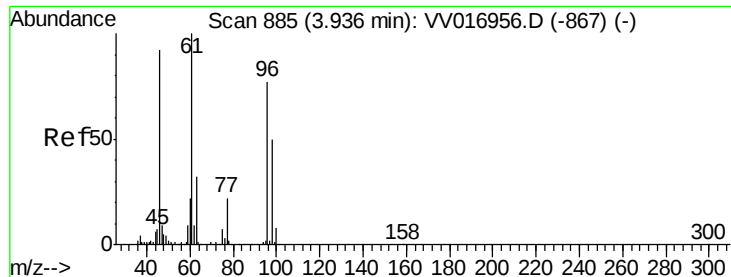
72 24.9 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016956.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV016956.D (-885) (-)



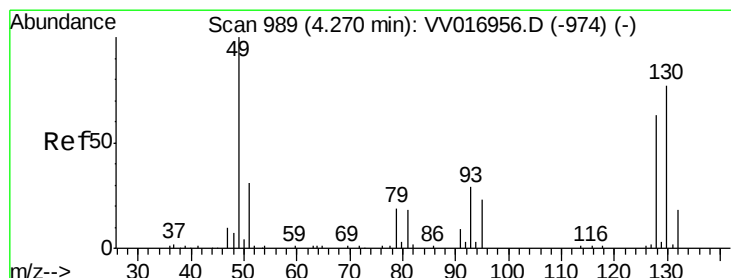
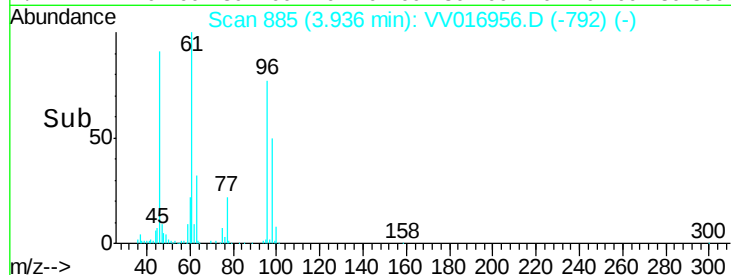
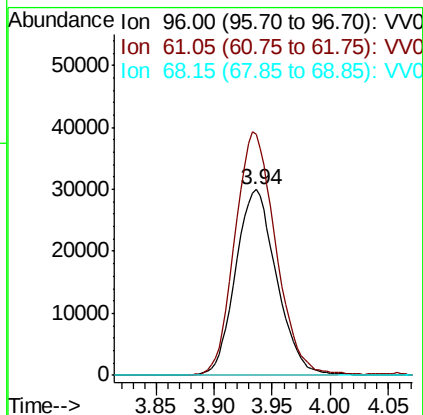
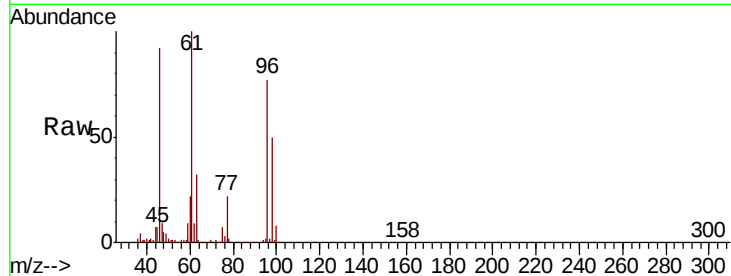


#22

cis-1,2-Dichloroethene
 Concen: 4.625 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

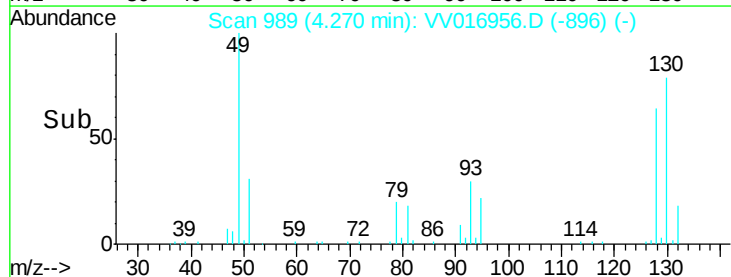
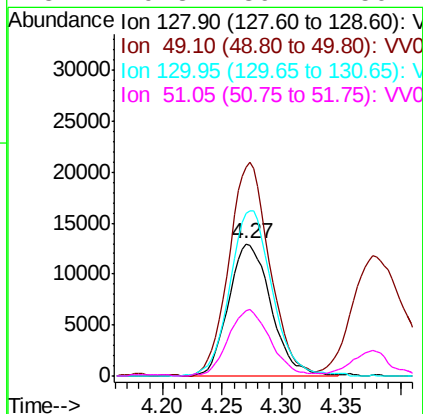
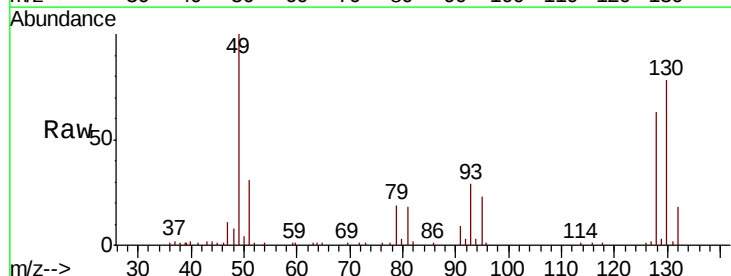
Tot Ion: 96 Resp: 73453
 Ion Ratio Lower Upper
 96 100
 61 130.0 91.0 169.0
 68 0.0 0.0 0.0

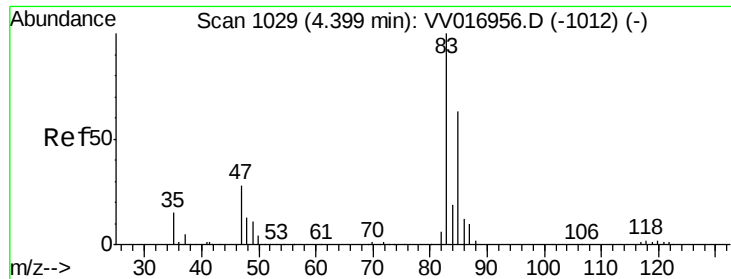


#23

Bromochloromethane
 Concen: 5.089 ug/L
 RT: 4.27 min Scan# 989
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Tgt Ion: 128 Resp: 31993
 Ion Ratio Lower Upper
 128 100
 49 158.3 110.8 205.8
 130 122.9 86.0 159.8
 51 49.3 39.4 59.2

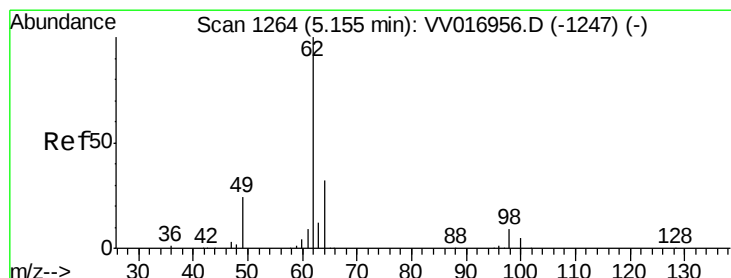
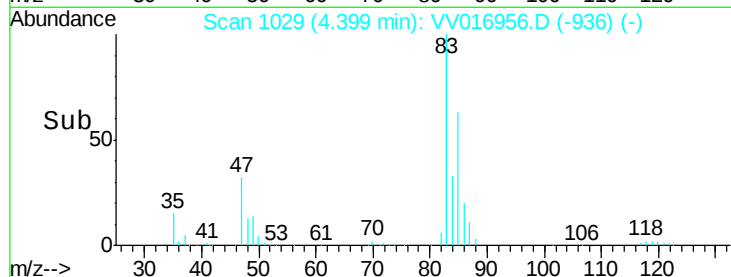
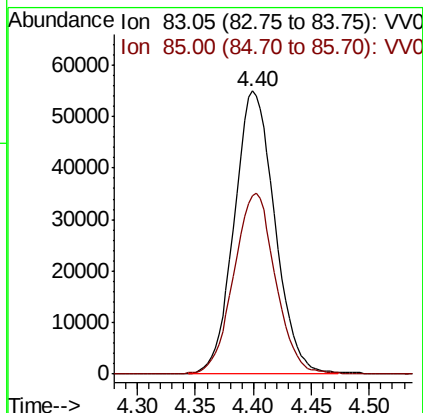
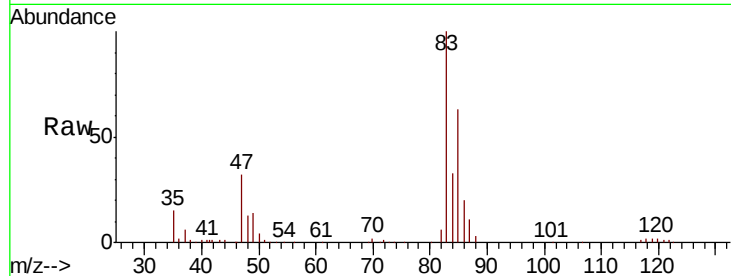




#25
Chloroform
Concen: 4.709 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

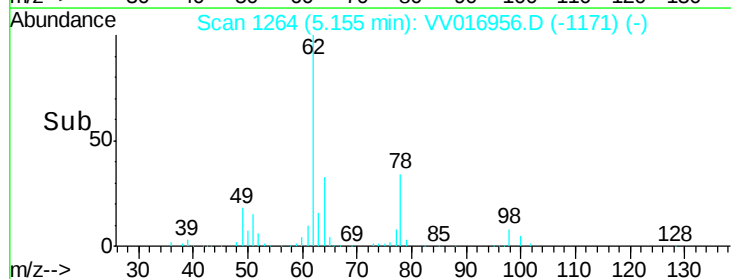
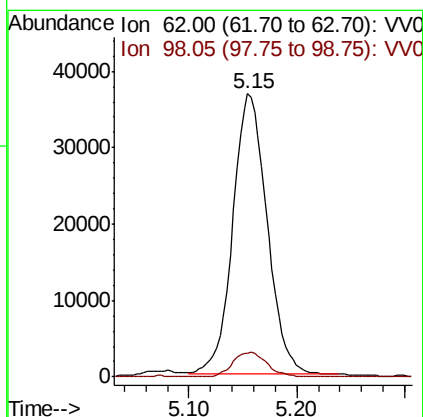
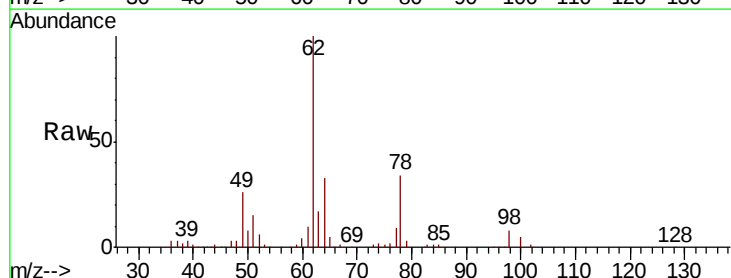
Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

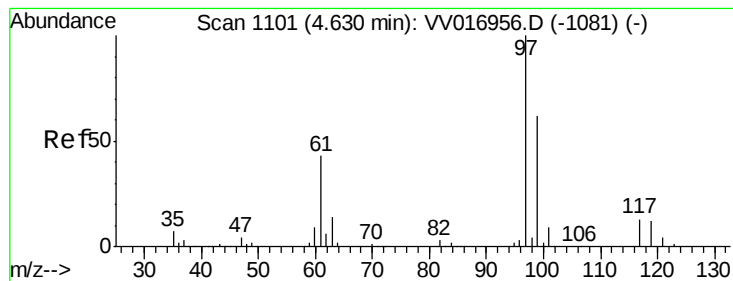
Tot Ion: 83 Resp: 133818
Ion Ratio Lower Upper
83 100
85 63.2 44.2 82.2



#27
1,2-Dichloroethane
Concen: 4.419 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

Tgt Ion: 62 Resp: 81344
Ion Ratio Lower Upper
62 100
98 8.4 6.7 10.1





#29

1,1,1-Trichloroethane

Concen: 5.112 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

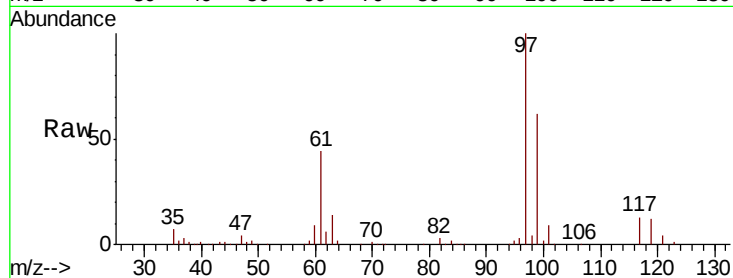
Tot Ion: 97 Resp: 122390

Ion Ratio Lower Upper

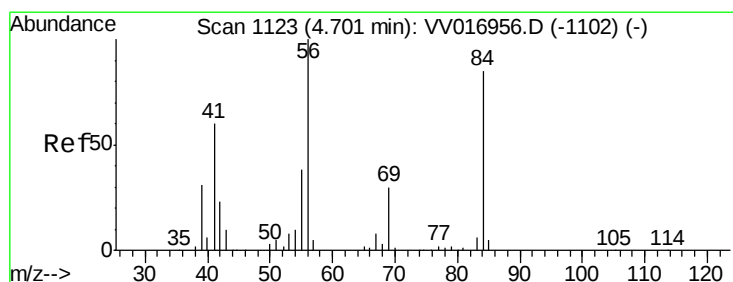
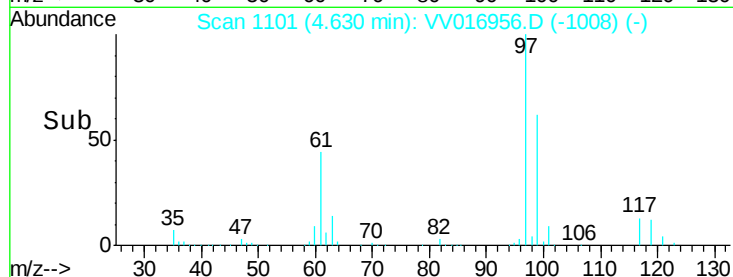
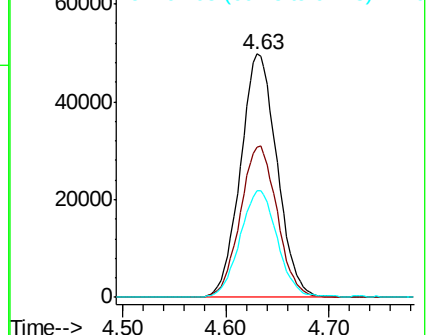
97 100

99 62.9 50.3 75.5

61 45.0 36.0 54.0



Abundance Ion 96.95 (96.65 to 97.65): VV0
Ion 99.05 (98.75 to 99.75): VV0
Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 4.509 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

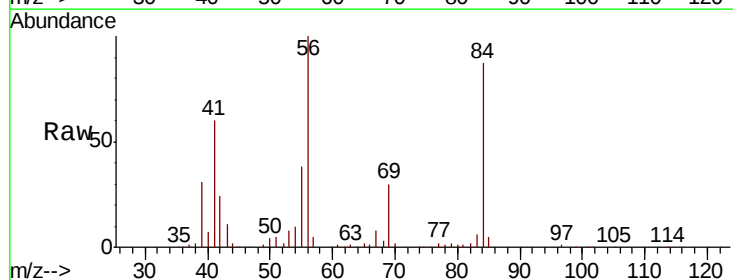
Tgt Ion: 56 Resp: 113013

Ion Ratio Lower Upper

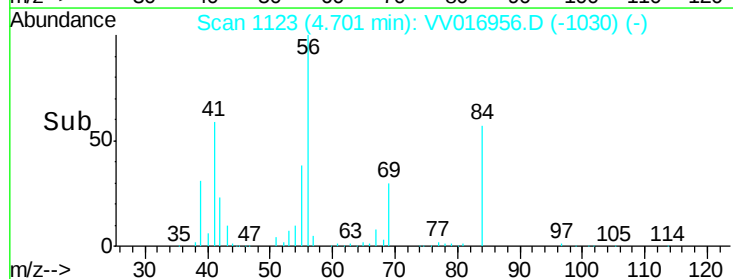
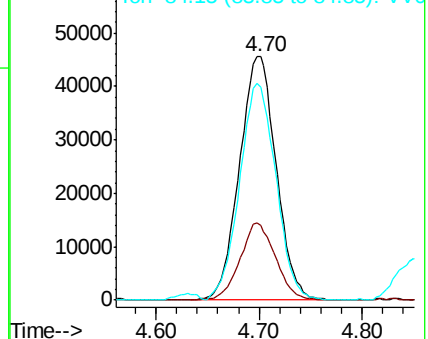
56 100

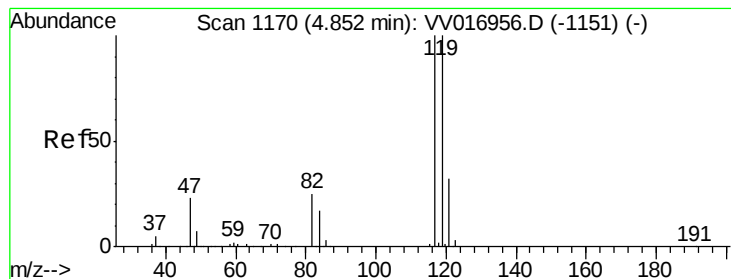
69 30.5 24.4 36.6

84 87.4 69.9 104.9



Abundance Ion 56.10 (55.80 to 56.80): VV0
Ion 69.15 (68.85 to 69.85): VV0
Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.220 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

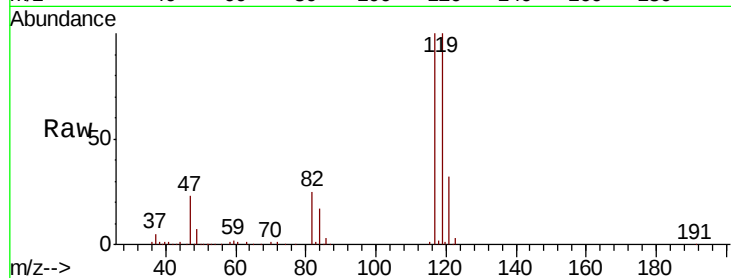
VSTD00536

Tot Ion:117 Resp: 108011

Ion Ratio Lower Upper

117 100

119 97.3 77.8 116.8

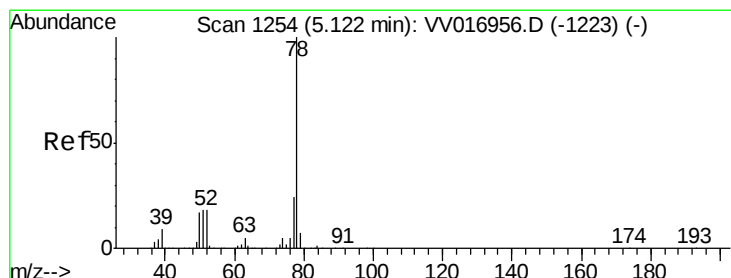
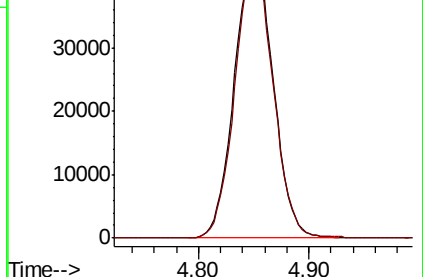
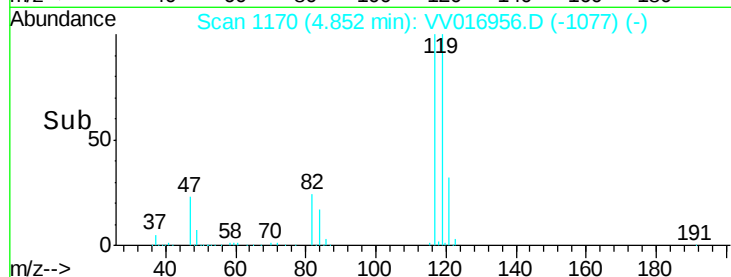


Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V

4.85

Time-->



#33

Benzene

Concen: 4.575 ug/L

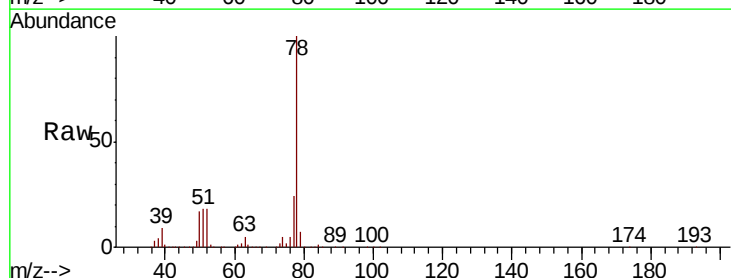
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Tgt Ion: 78 Resp: 269025

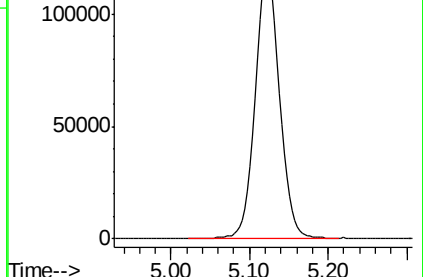
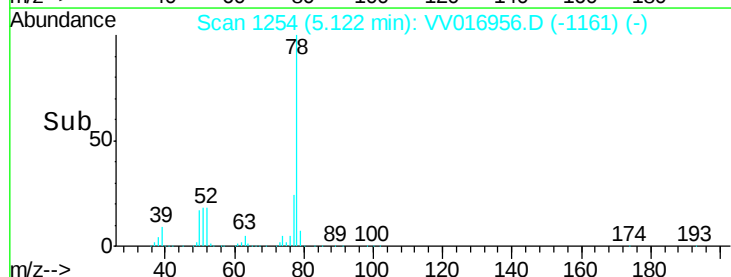


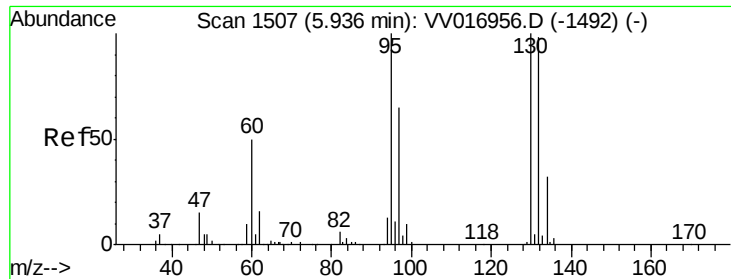
Abundance Ion 78.10 (77.80 to 78.80): VV0

150000

5.12

Time-->

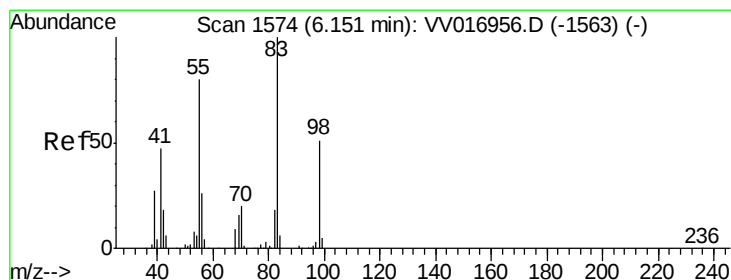
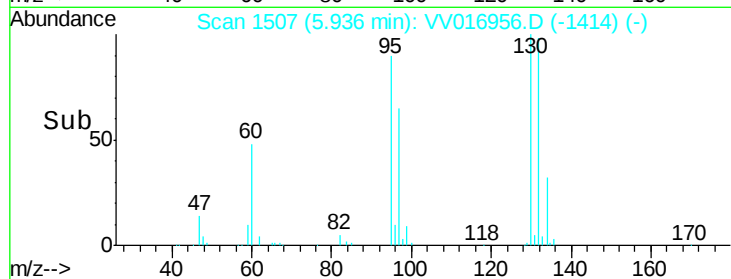
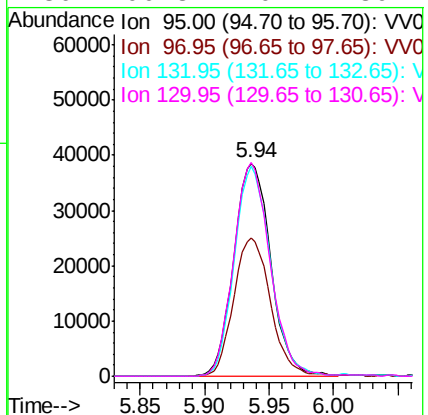
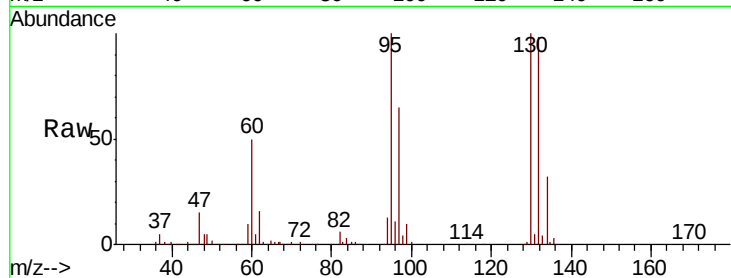




#34
 Trichloroethene
 Concen: 4.926 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

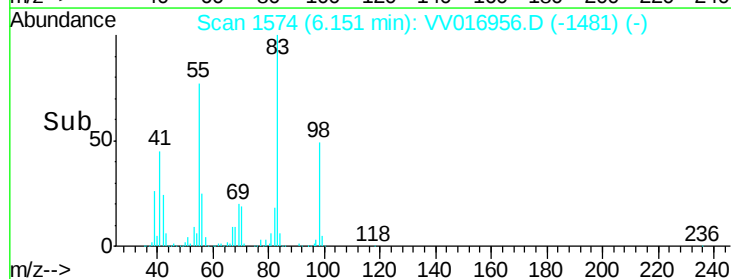
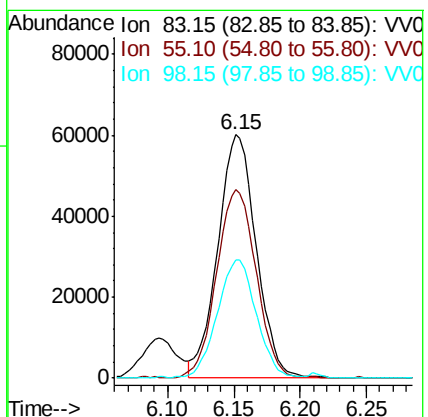
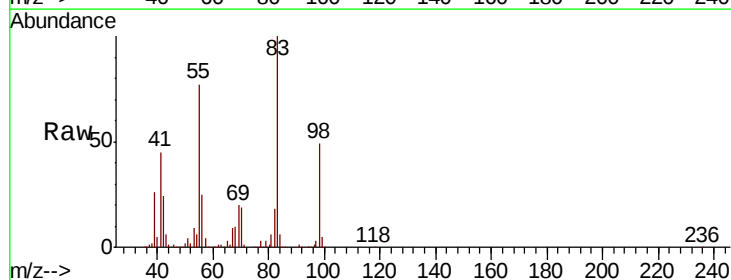
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

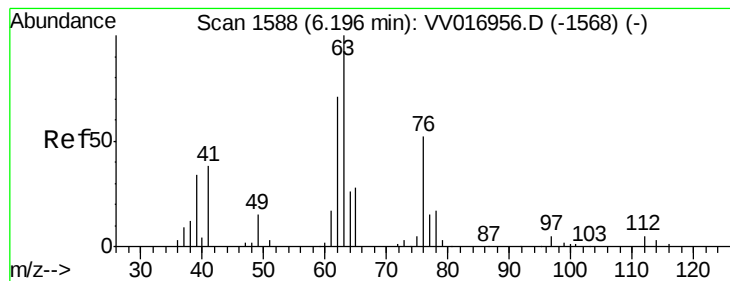
Tot Ion:	95	Resp:	77167
Ion	Ratio	Lower	Upper
95	100		
97	64.7	45.3	84.1
132	98.3	68.8	127.8
130	100.3	70.2	130.4



#35
 Methylcyclohexane
 Concen: 4.816 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Tgt Ion:	83	Resp:	121132
Ion	Ratio	Lower	Upper
83	100		
55	79.5	63.6	95.4
98	48.5	38.8	58.2





#37

1,2-Dichloropropane

Concen: 4.495 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

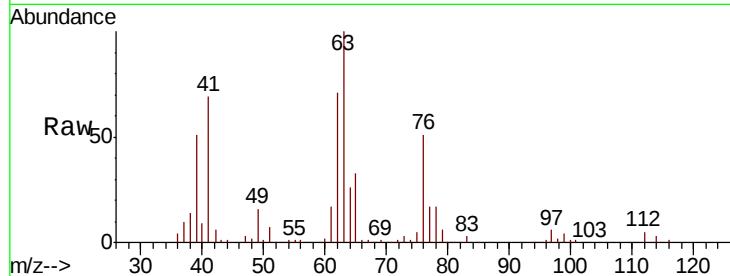
VSTD00536

Tot Ion: 63 Resp: 65961

Ion Ratio Lower Upper

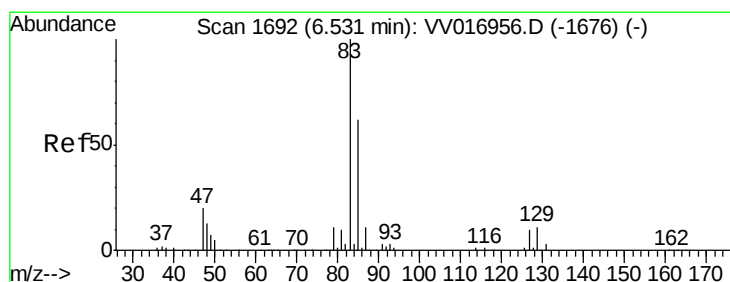
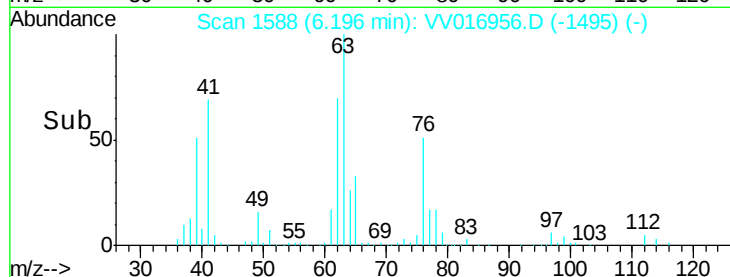
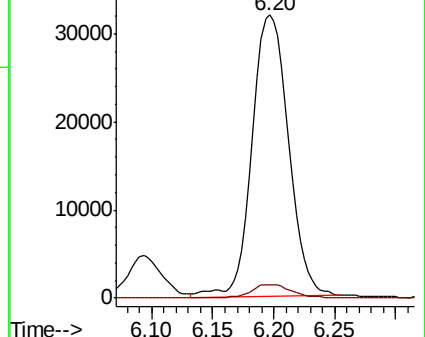
63 100

112 5.5 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: 4.852 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

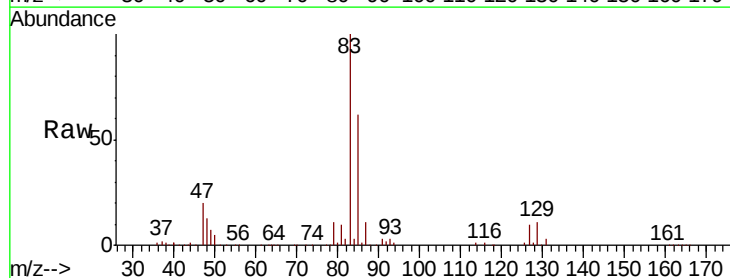
Tgt Ion: 83 Resp: 87861

Ion Ratio Lower Upper

83 100

85 62.0 43.4 80.6

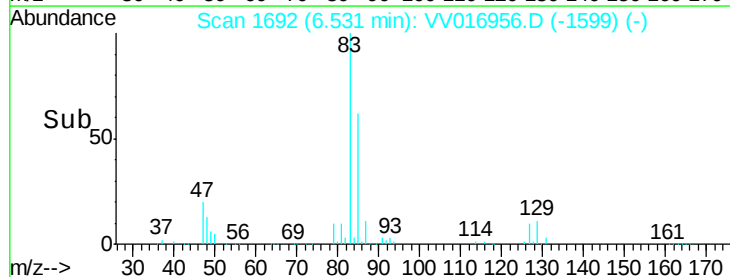
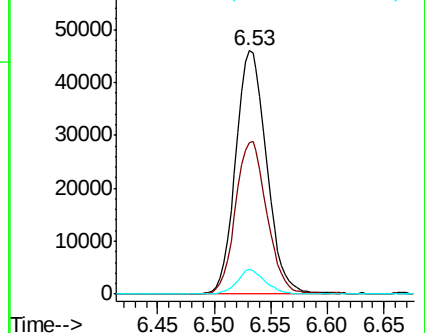
127 9.9 7.9 11.9

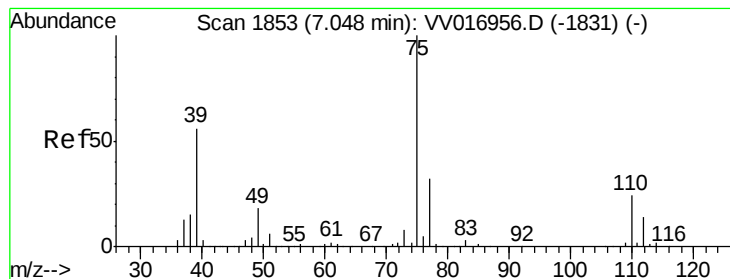


Abundance Ion 82.95 (82.65 to 83.65): VV016956.D (-1676) (-)

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

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



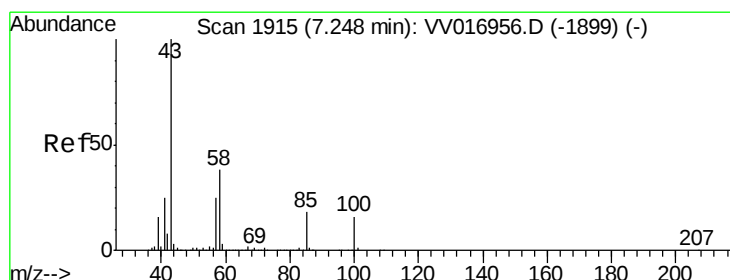
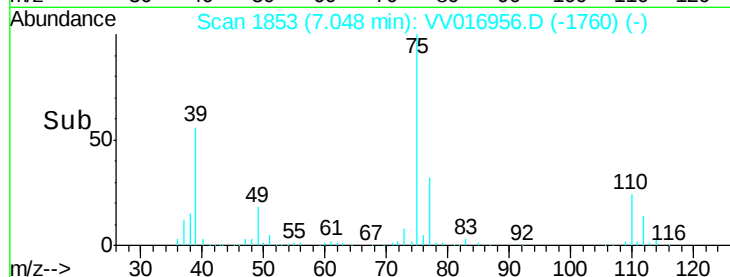
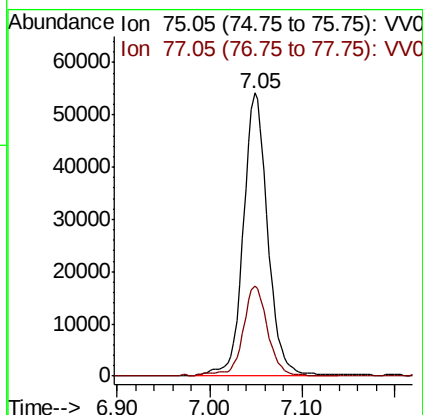
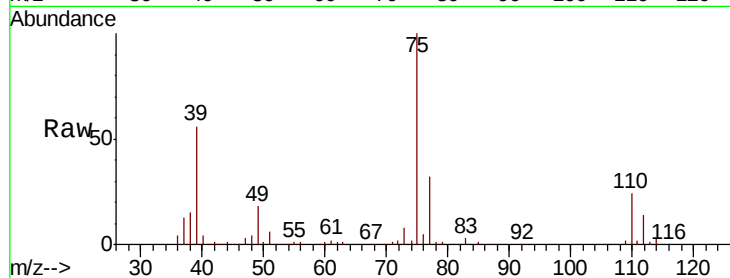


#39

cis-1,3-Dichloropropene
Concen: 4.955 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

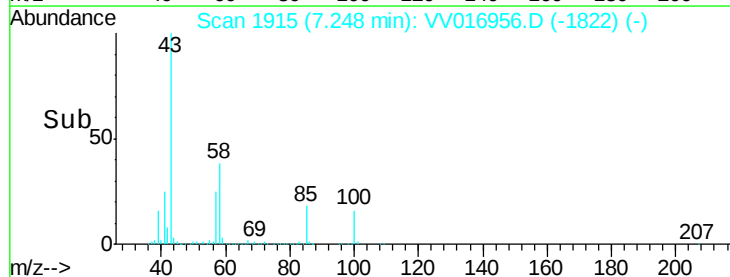
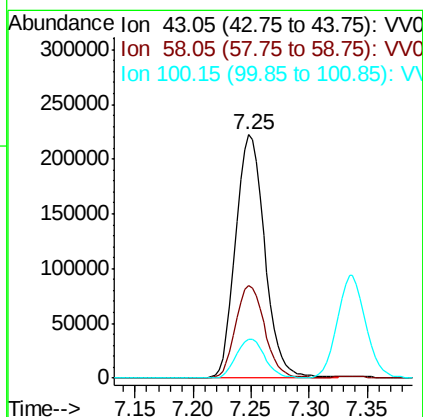
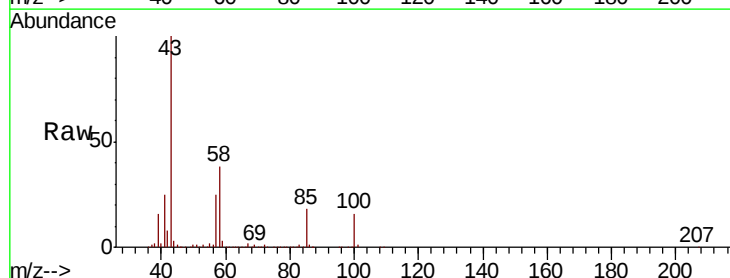
Tot Ion: 75 Resp: 99128
Ion Ratio Lower Upper
75 100
77 31.9 22.3 41.5

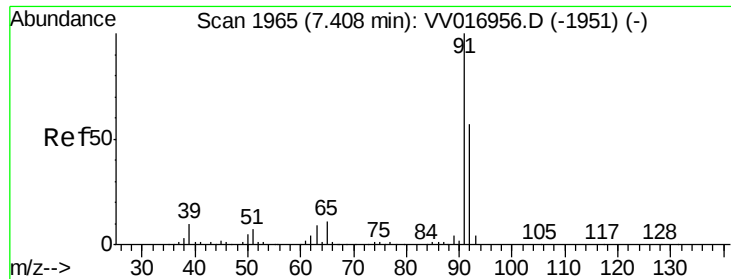


#40

4-Methyl-2-pentanone
Concen: 43.885 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

Tgt Ion: 43 Resp: 388286
Ion Ratio Lower Upper
43 100
58 38.0 30.4 45.6
100 15.9 12.7 19.1





#42

Toluene

Concen: 4.825 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

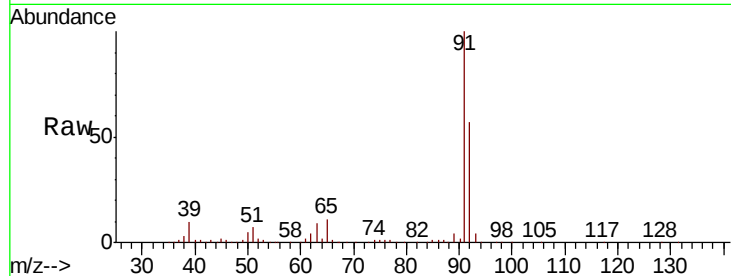
VSTD00536

Tot Ion: 91 Resp: 302751

Ion Ratio Lower Upper

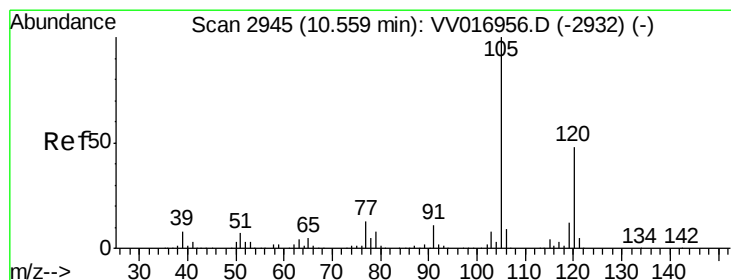
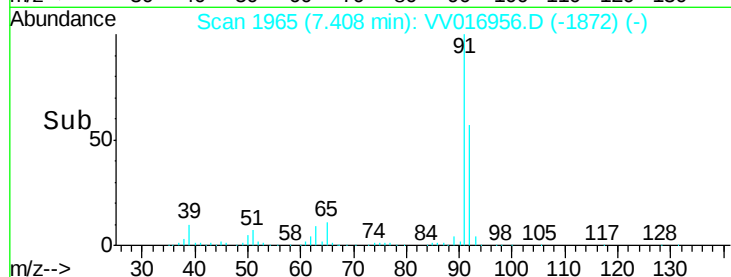
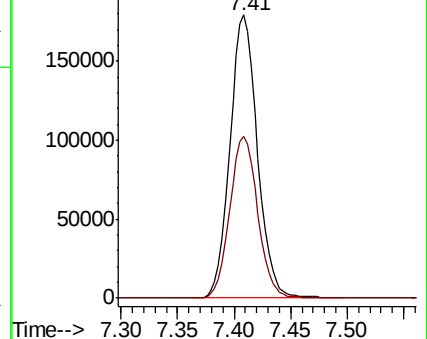
91 100

92 57.0 39.9 74.1



Abundance Ion 91.15 (90.85 to 91.85): VV016956.D (-1951) (-)

Ion 92.15 (91.85 to 92.85): VV016956.D (-1951) (-)



#43

1,3,5-Trimethylbenzene

Concen: 5.156 ug/L

RT: 10.56 min Scan# 2945

Delta R.T. 0.00 min

Lab File: VV016956.D

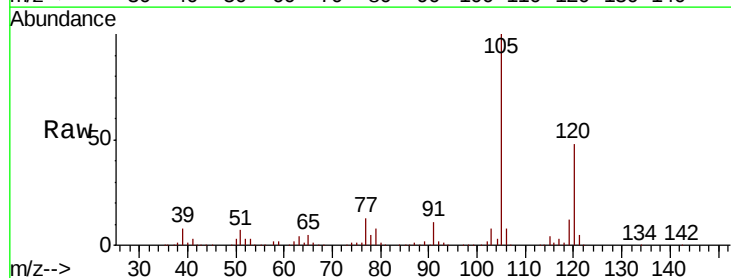
Acq: 17 Jun 2020 10:20

Tgt Ion: 105 Resp: 288962

Ion Ratio Lower Upper

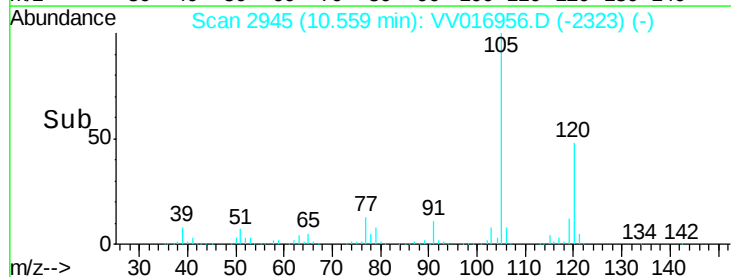
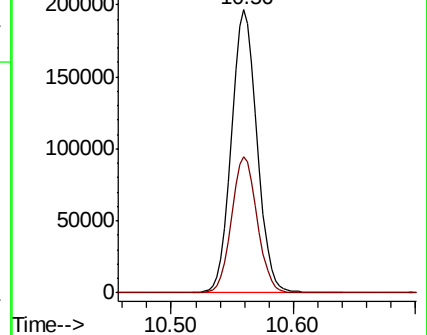
105 100

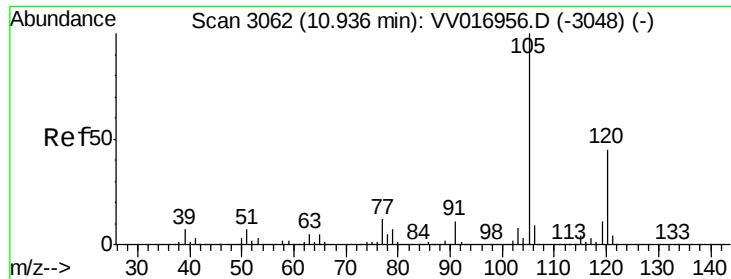
120 48.2 38.6 57.8



Abundance Ion 105.00 (104.70 to 105.70): VV016956.D (-2932) (-)

Ion 120.00 (119.70 to 120.70): VV016956.D (-2932) (-)

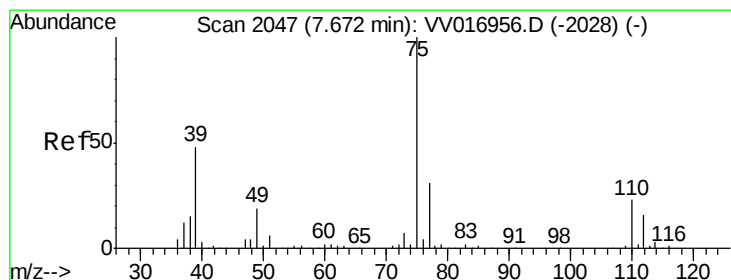
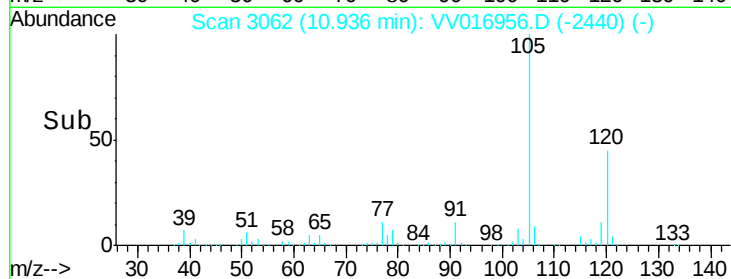
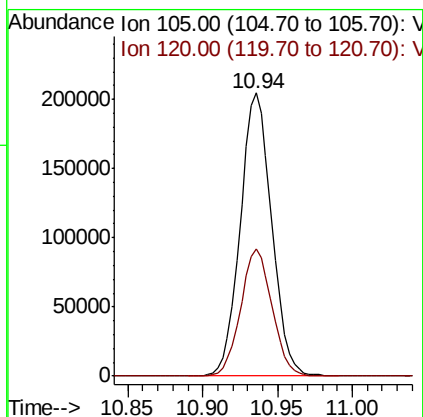
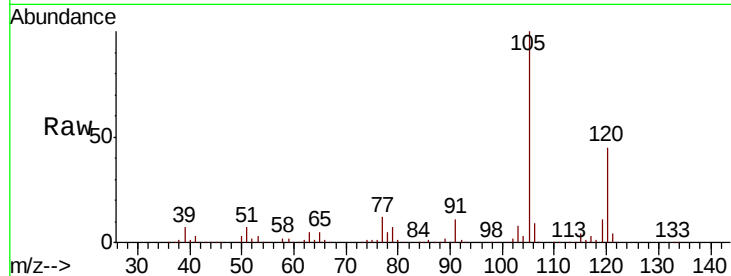




#44
 1,2,4-Trimethylbenzene
 Concen: 5.211 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

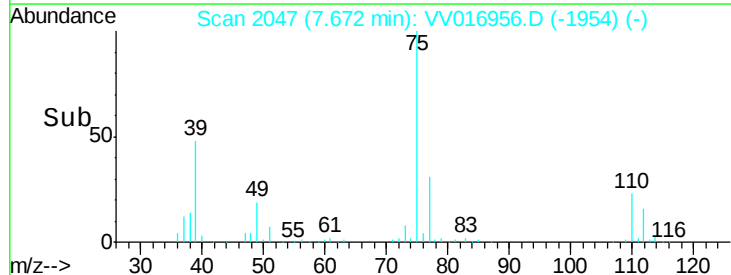
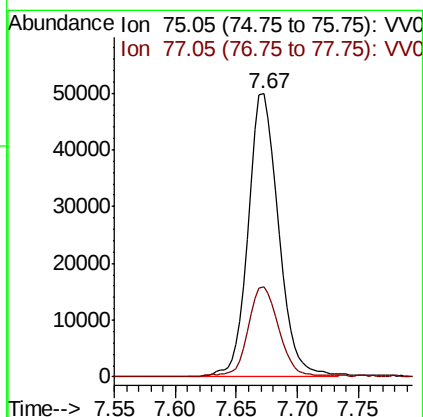
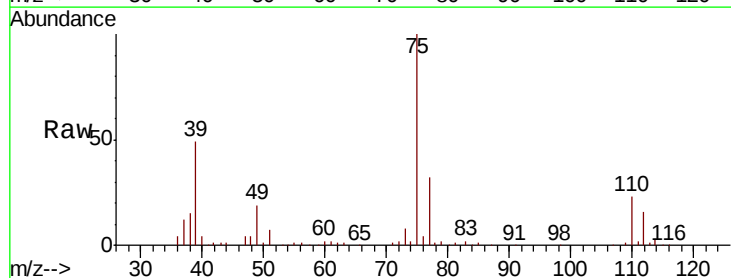
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

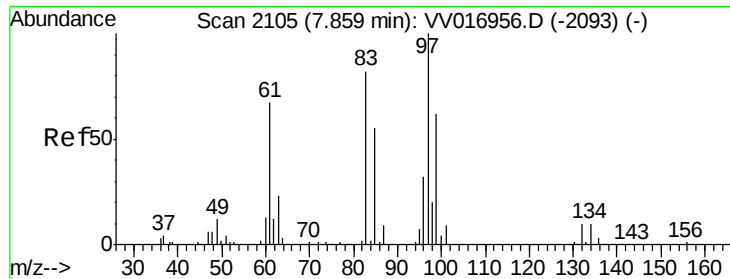
Tot Ion:105 Resp: 299056
 Ion Ratio Lower Upper
 105 100
 120 44.8 35.8 53.8



#46
 trans-1,3-Dichloropropene
 Concen: 5.177 ug/L
 RT: 7.67 min Scan# 2047
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Tgt Ion: 75 Resp: 85617
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3

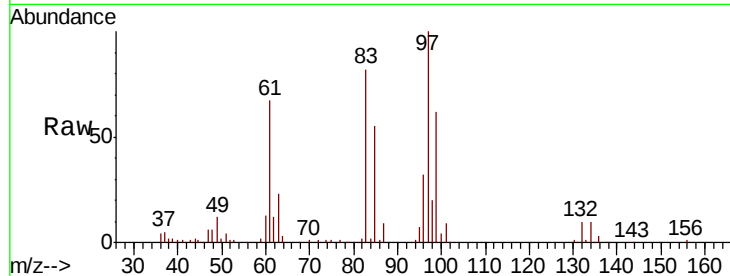




#47
 1,1,2-Trichloroethane
 Concen: 4.878 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

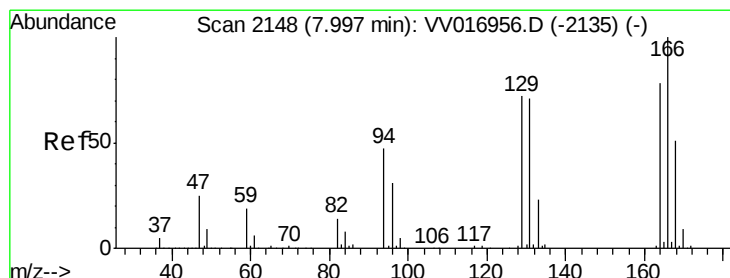
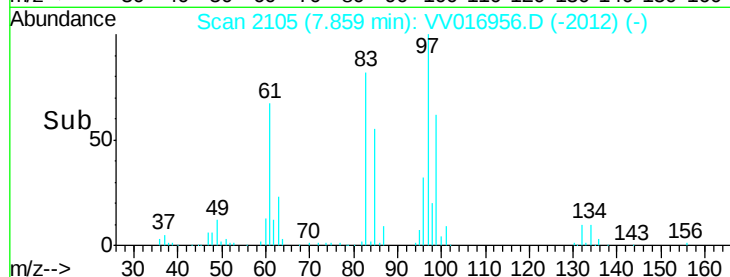
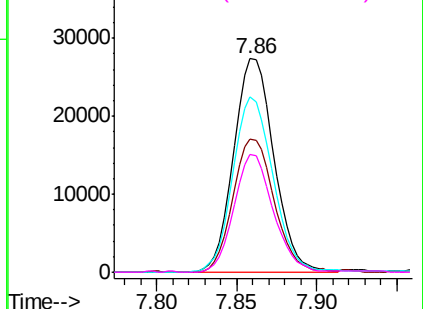
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tot Ion:	97	Resp:	47010
Ion	Ratio	Lower	Upper
97	100		
99	62.3	43.6	81.0
83	82.0	57.4	106.6
85	55.4	38.8	72.0



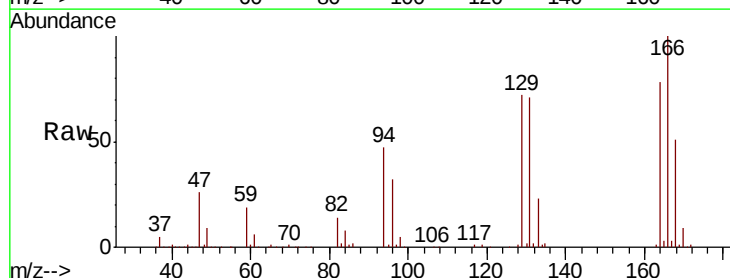
Abundance

Ion 96.95 (96.65 to 97.65): VV016956.D (-2093) (-)



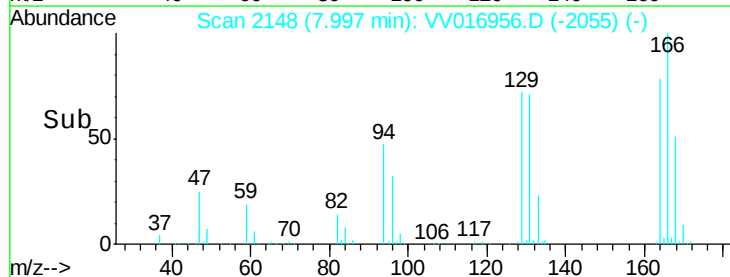
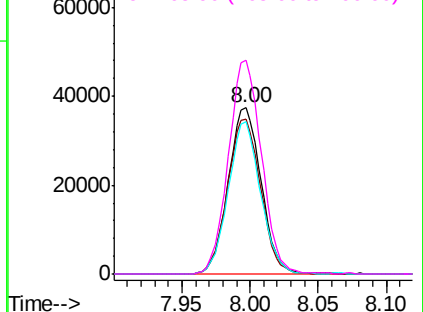
#49
 Tetrachloroethene
 Concen: 5.326 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

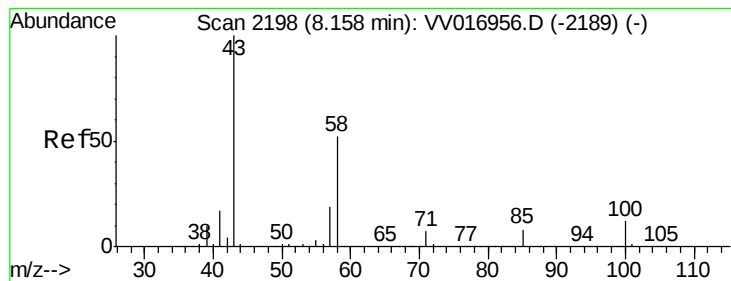
Tgt Ion:	164	Resp:	62849
Ion	Ratio	Lower	Upper
164	100		
129	93.1	65.2	121.0
131	91.6	64.1	119.1
166	128.8	90.2	167.4



Abundance

Ion 163.90 (163.60 to 164.60): VV016956.D (-2135) (-)





#50

2-Hexanone

Concen: 45.145 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

Tot Ion: 43 Resp: 278893

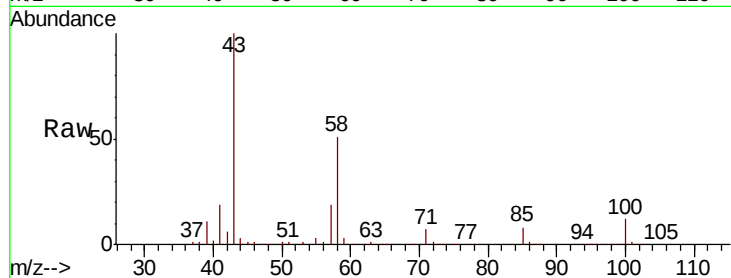
Ion Ratio Lower Upper

43 100

58 52.0 41.6 62.4

57 19.2 15.4 23.0

100 12.6 10.1 15.1

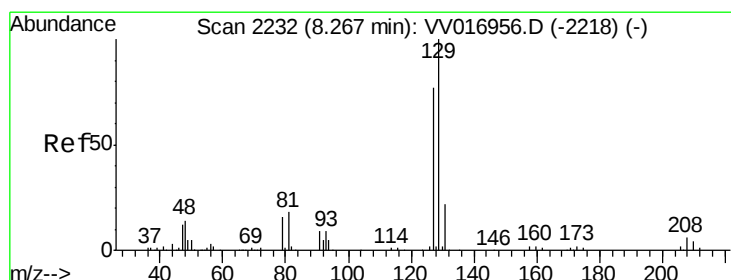
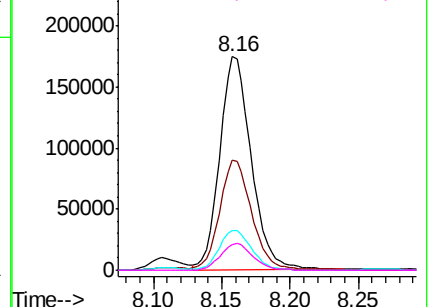
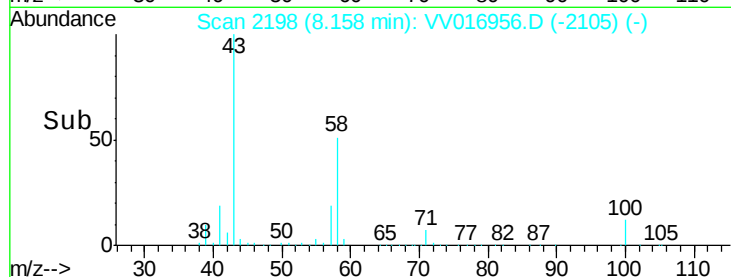


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0



#51

Dibromochloromethane

Concen: 5.560 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016956.D

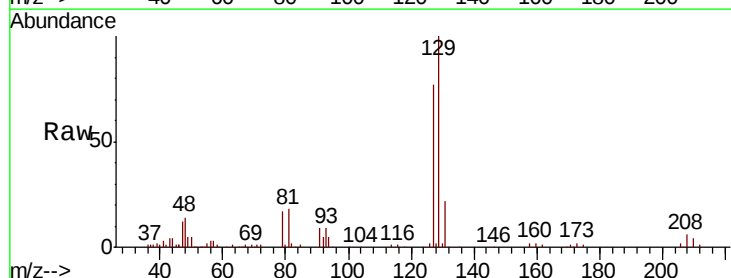
Acq: 17 Jun 2020 10:20

Tgt Ion: 129 Resp: 58145

Ion Ratio Lower Upper

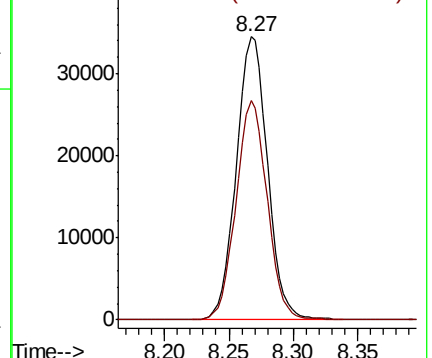
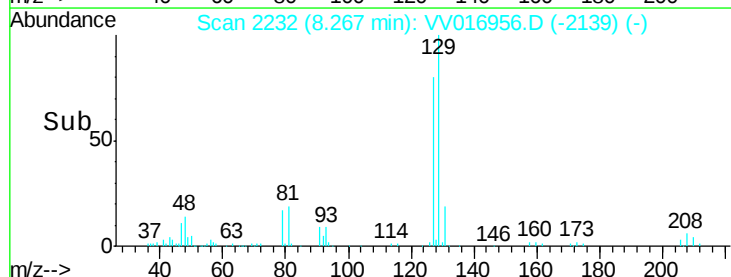
129 100

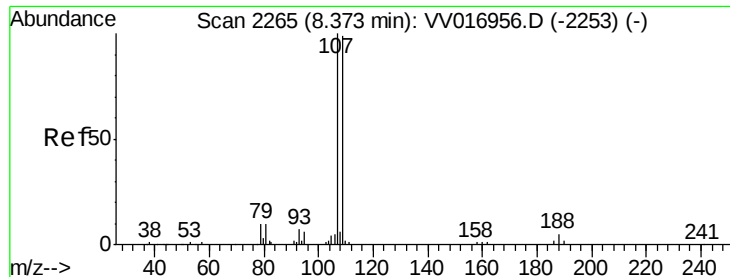
127 77.3 54.1 100.5



Abundance Ion 128.95 (128.65 to 129.65): V

Ion 126.90 (126.60 to 127.60): V

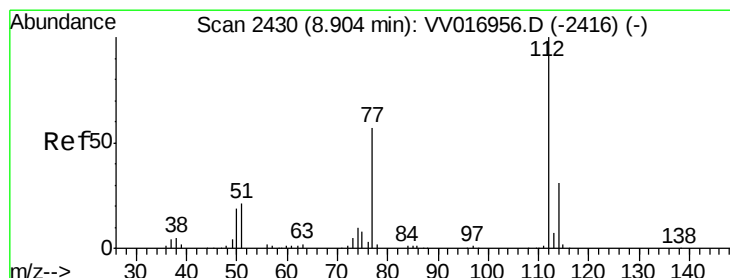
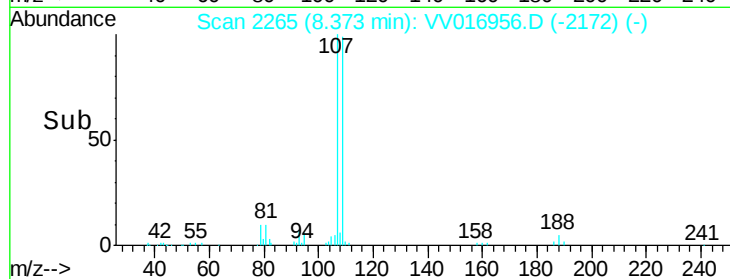
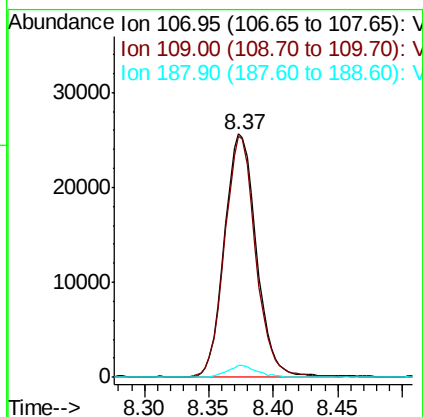
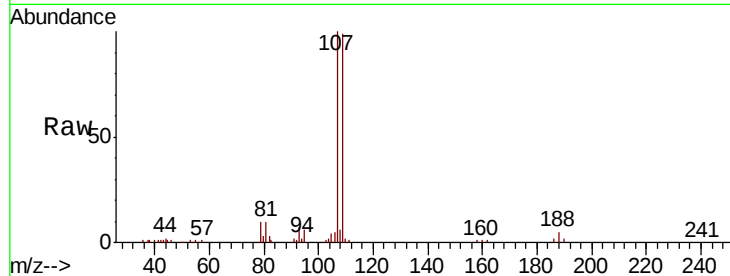




#52
 1,2-Dibromoethane
 Concen: 4.874 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

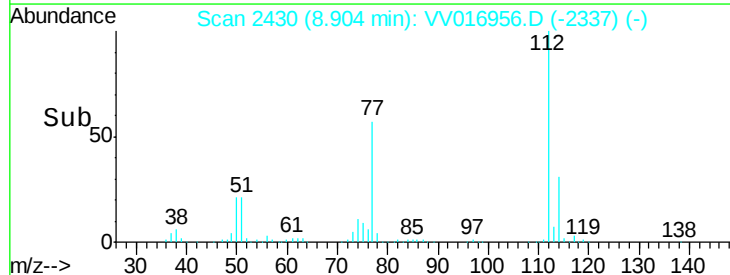
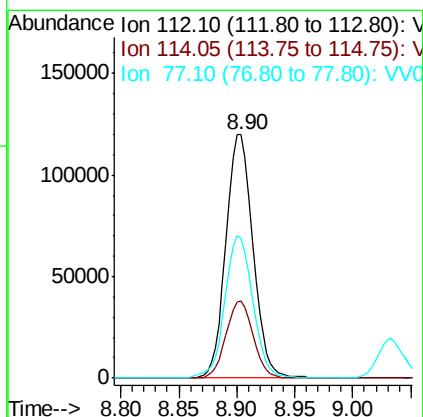
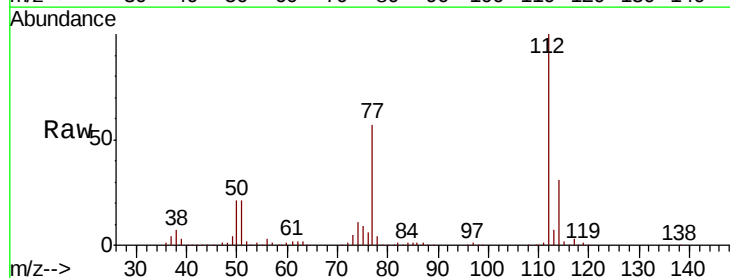
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

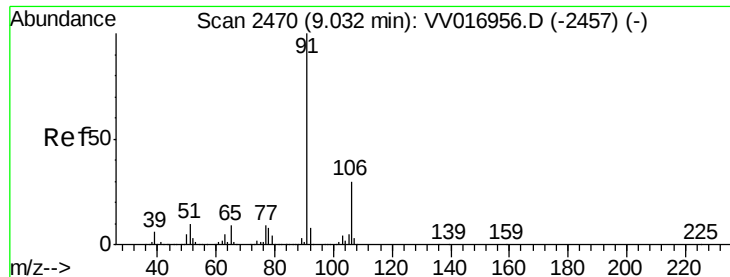
Tot Ion:107 Resp: 44286
 Ion Ratio Lower Upper
 107 100
 109 99.1 69.4 128.8
 188 4.9 3.9 5.9



#53
 Chlorobenzene
 Concen: 4.869 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Tgt Ion:112 Resp: 193854
 Ion Ratio Lower Upper
 112 100
 114 31.5 22.0 41.0
 77 57.5 46.0 69.0





#54

Ethylbenzene

Concen: 4.900 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

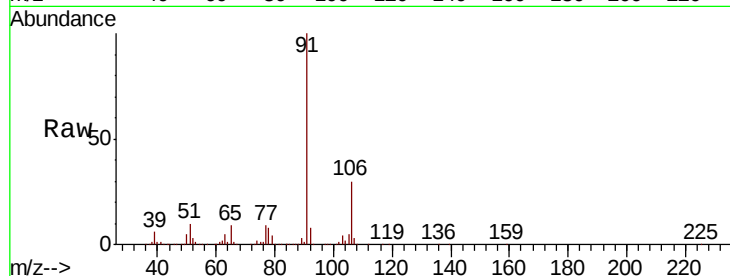
VSTD00536

Tot Ion: 91 Resp: 340641

Ion Ratio Lower Upper

91 100

106 30.1 21.1 39.1



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

Ion 106.15 (105.85 to 106.85): VV016956.D (-2457) (-)

9.03

250000

200000

150000

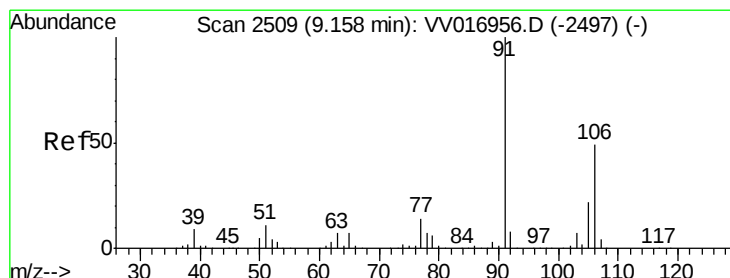
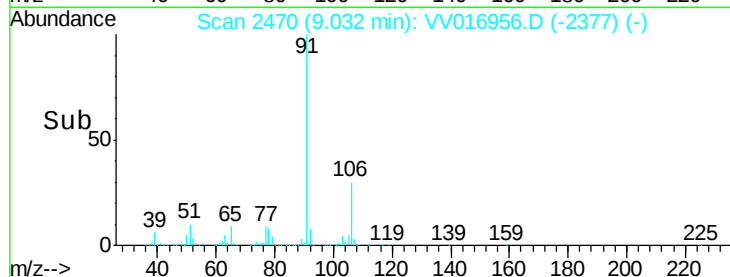
100000

50000

0

8.95 9.00 9.05 9.10 9.15

Time-->



#55

m,p-xylene

Concen: 4.991 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV016956.D

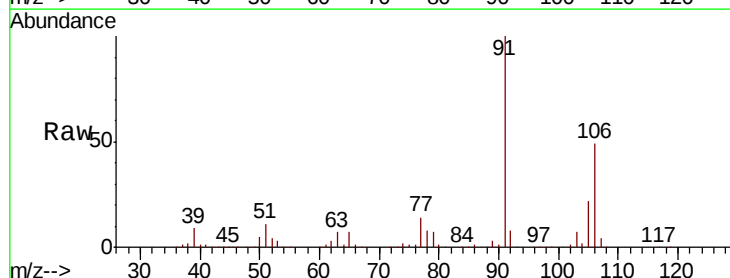
Acq: 17 Jun 2020 10:20

Tgt Ion: 106 Resp: 130397

Ion Ratio Lower Upper

106 100

91 203.8 142.7 264.9



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

Ion 91.15 (90.85 to 91.85): VV016956.D (-2497) (-)

9.16

150000

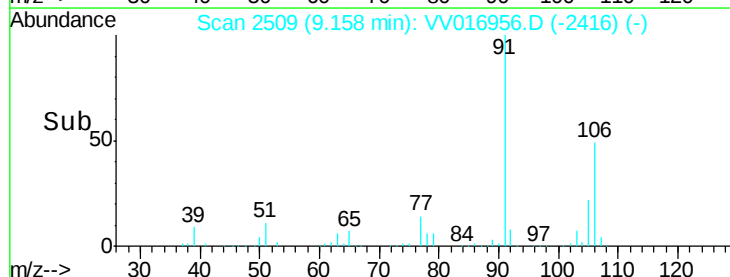
100000

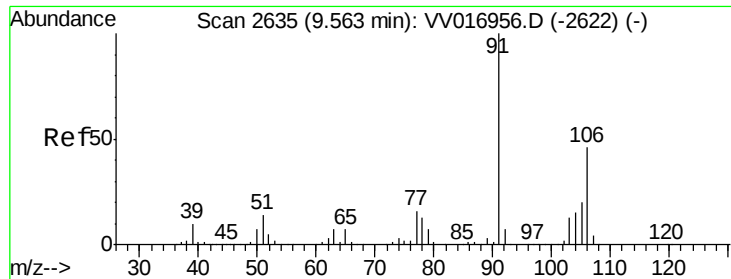
50000

0

9.10 9.15 9.20

Time-->

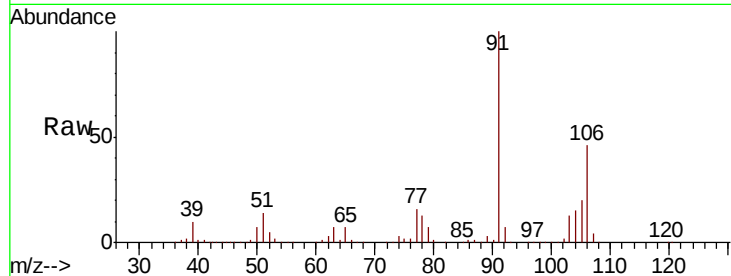




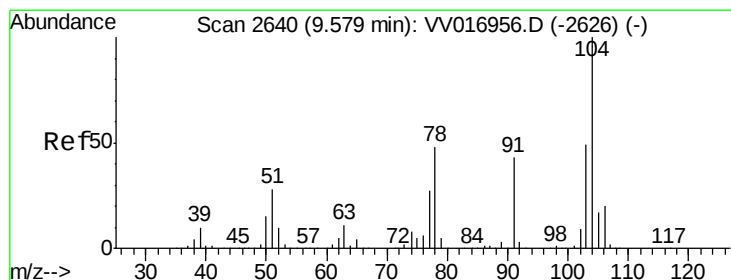
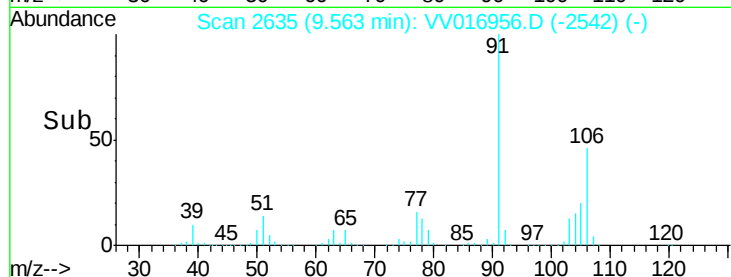
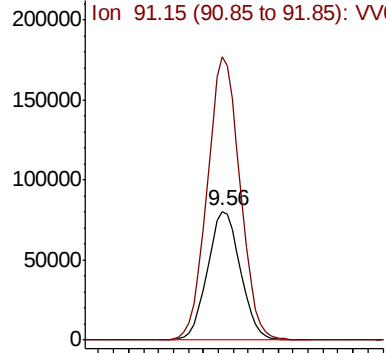
#56
o-xylene
Concen: 5.044 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

Instrument :
MSVOA_V
ClientSampleId :
VSTD00536

Tot Ion:106 Resp: 123908
Ion Ratio Lower Upper
106 100
91 219.4 153.6 285.2

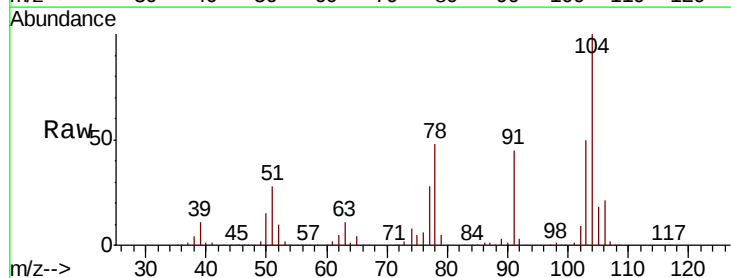


Abundance Ion 106.15 (105.85 to 106.85): V
Ion 91.15 (90.85 to 91.85): VV0

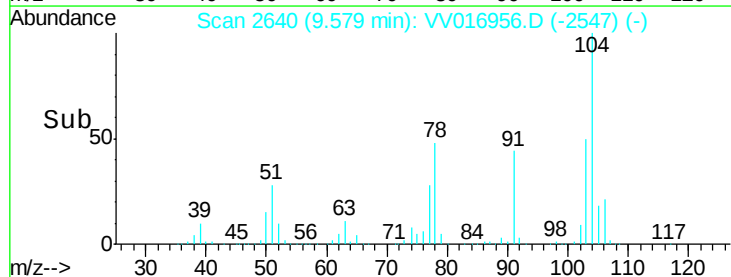
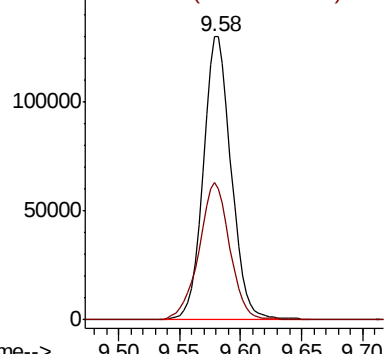


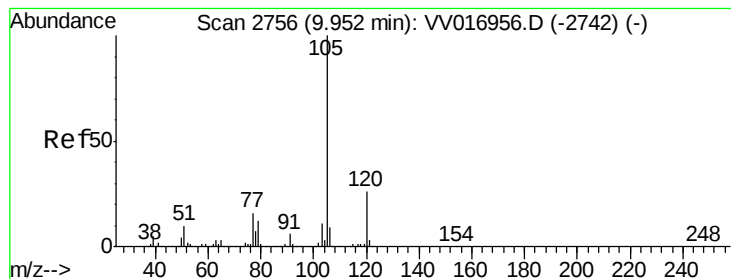
#57
Styrene
Concen: 4.982 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV016956.D
Acq: 17 Jun 2020 10:20

Tgt Ion:104 Resp: 207767
Ion Ratio Lower Upper
104 100
78 48.4 33.9 62.9



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





#58

Isopropylbenzene

Concen: 5.131 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

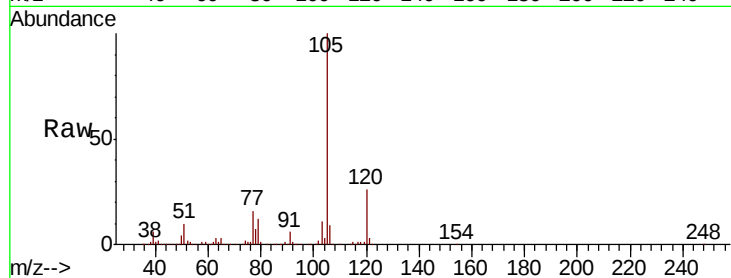
Tot Ion:105 Resp: 345864

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

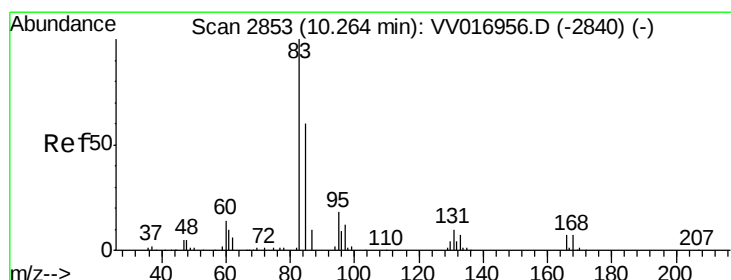
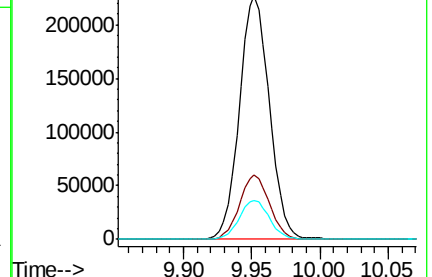
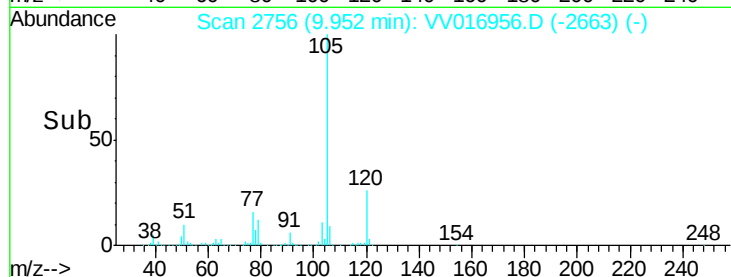
77 16.2 13.0 19.4



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: 4.219 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

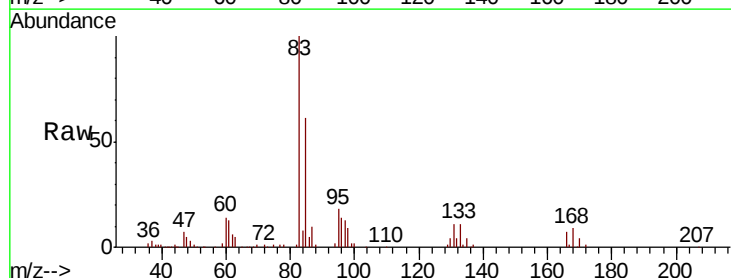
Tgt Ion: 83 Resp: 49861

Ion Ratio Lower Upper

83 100

85 61.3 42.9 79.7

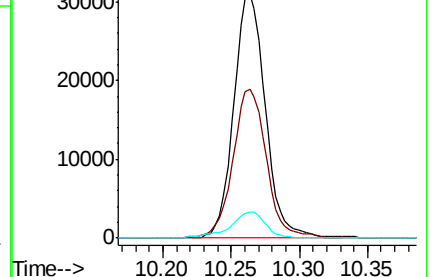
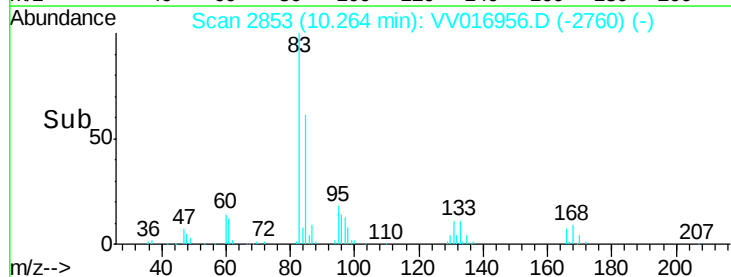
131 10.8 8.6 13.0

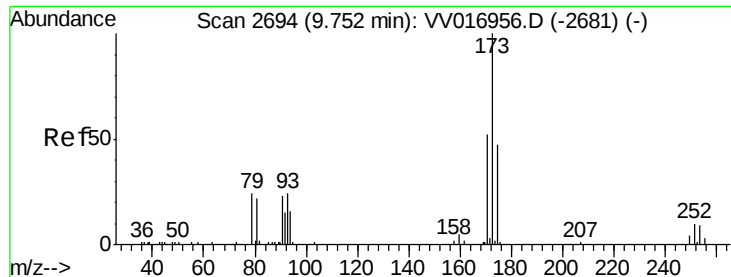


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#62

Bromoform

Concen: 6.021 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

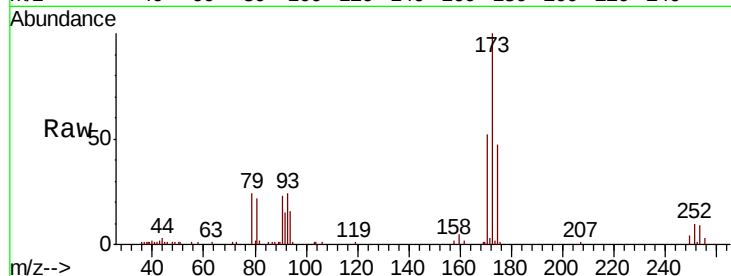
Tot Ion:173 Resp: 28870

Ion Ratio Lower Upper

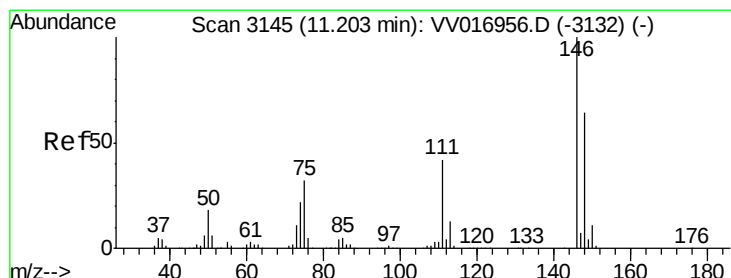
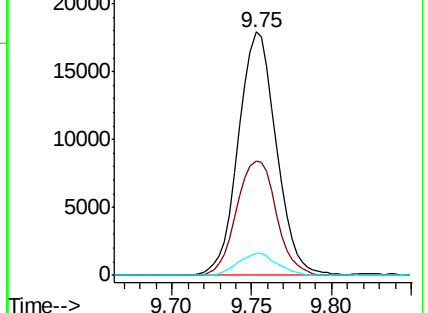
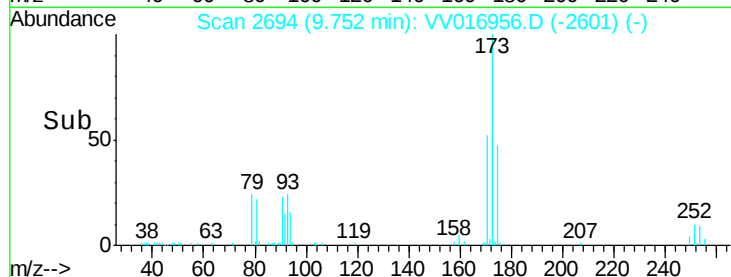
173 100

175 49.3 39.4 59.2

254 9.3 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: 4.962 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

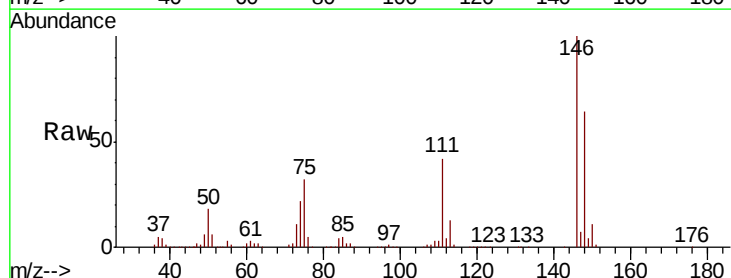
Tgt Ion:146 Resp: 163461

Ion Ratio Lower Upper

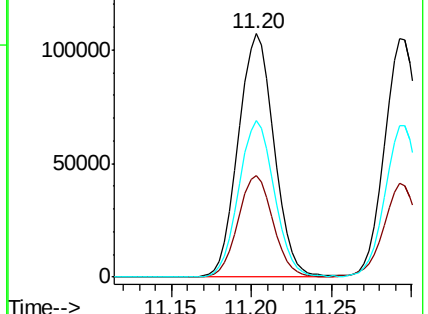
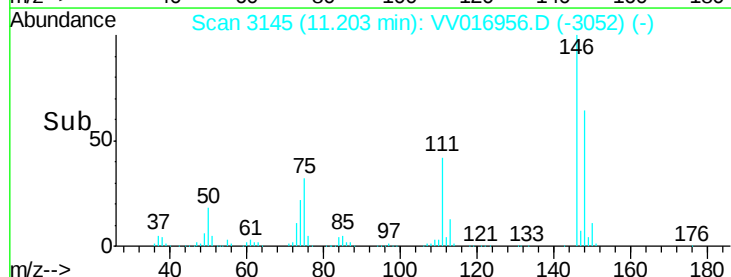
146 100

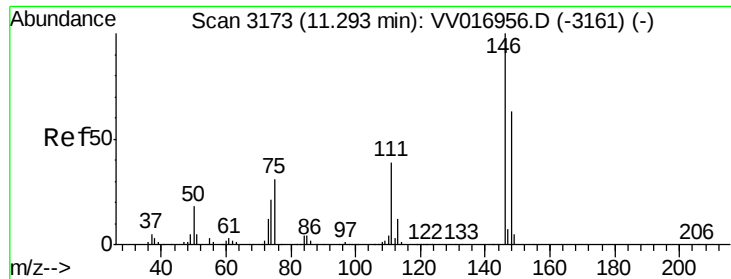
111 41.7 29.2 54.2

148 64.2 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: 4.781 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

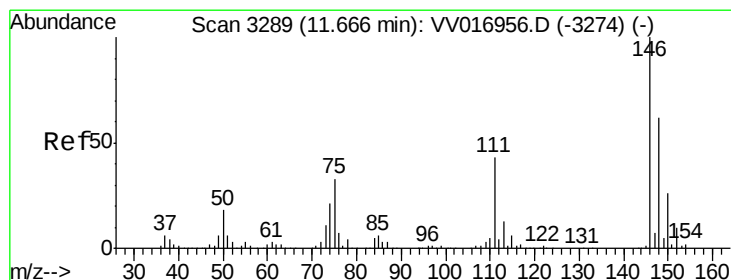
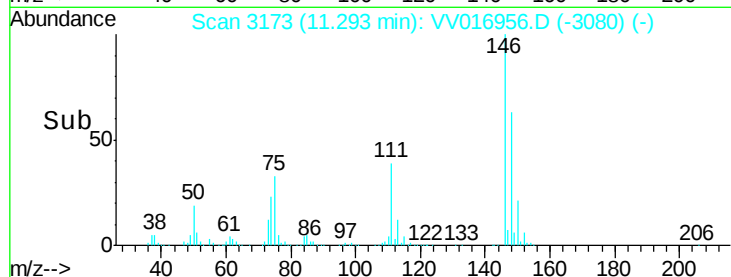
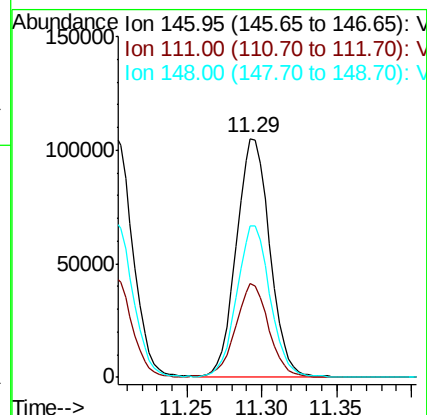
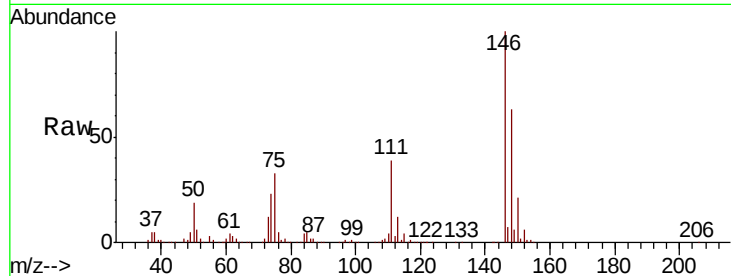
Tot Ion:146 Resp: 162943

Ion Ratio Lower Upper

146 100

111 39.1 27.4 50.8

148 63.3 44.3 82.3



#66

1,2-Dichlorobenzene

Concen: 4.844 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

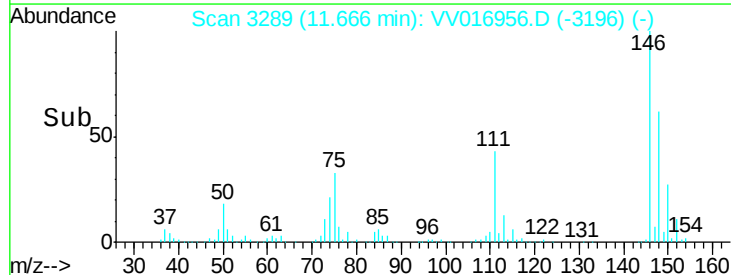
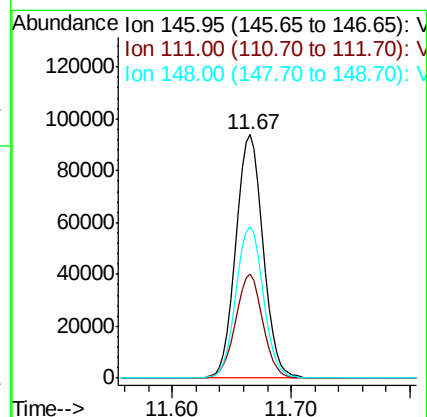
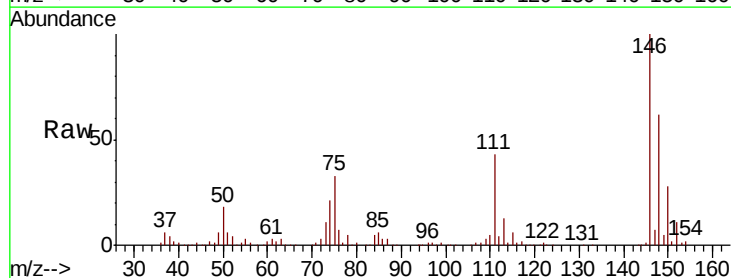
Tgt Ion:146 Resp: 149020

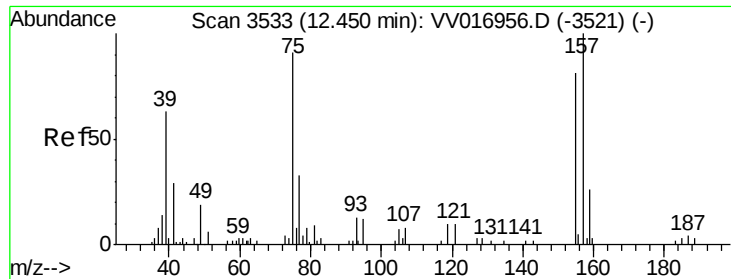
Ion Ratio Lower Upper

146 100

111 43.0 34.4 51.6

148 62.4 49.9 74.9

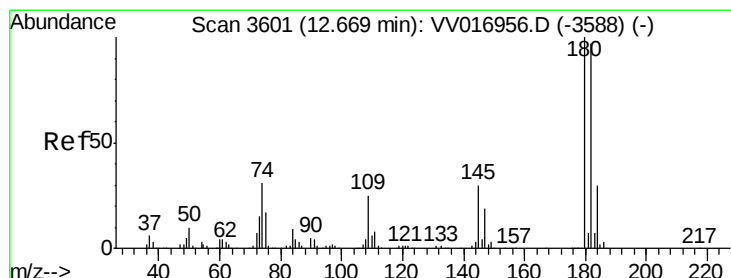
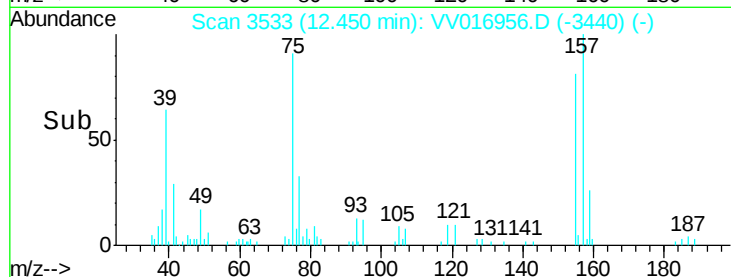
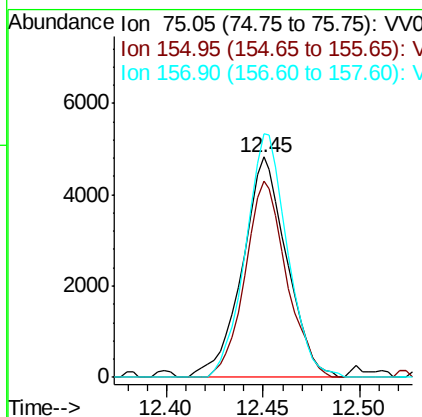
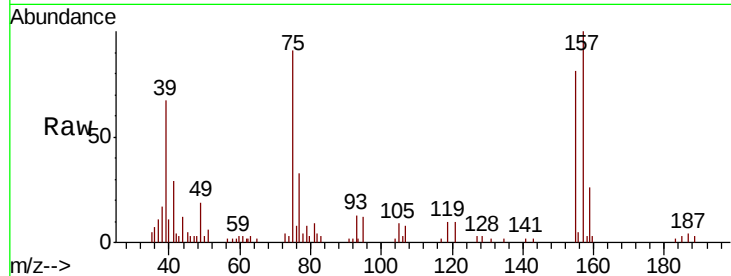




#67
 1,2-Dibromo-3-chloropropane
 Concen: 4.002 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

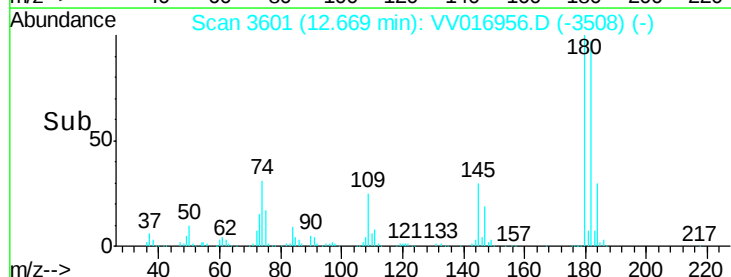
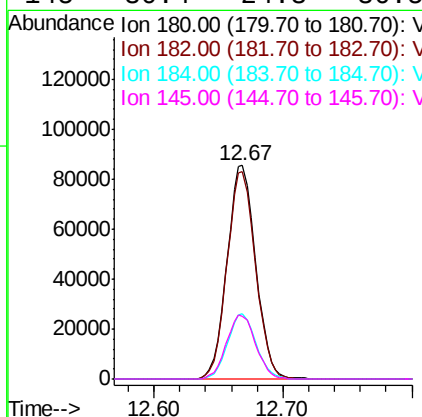
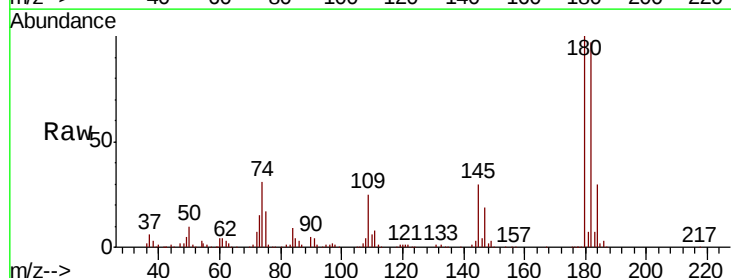
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

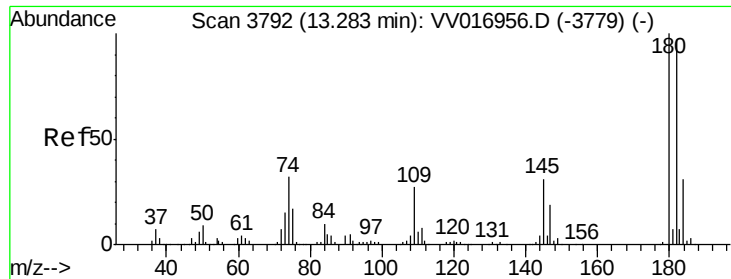
Tot Ion: 75 Resp: 7719
 Ion Ratio Lower Upper
 75 100
 155 88.9 71.1 106.7
 157 110.4 88.3 132.5



#68
 1,3,5-Trichlorobenzene
 Concen: 5.408 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Tgt Ion: 180 Resp: 131477
 Ion Ratio Lower Upper
 180 100
 182 96.8 77.4 116.2
 184 30.3 24.2 36.4
 145 30.4 24.3 36.5

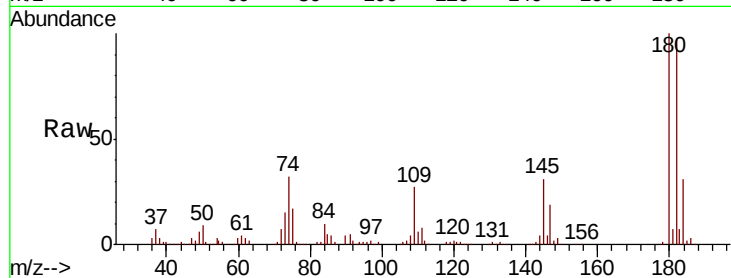




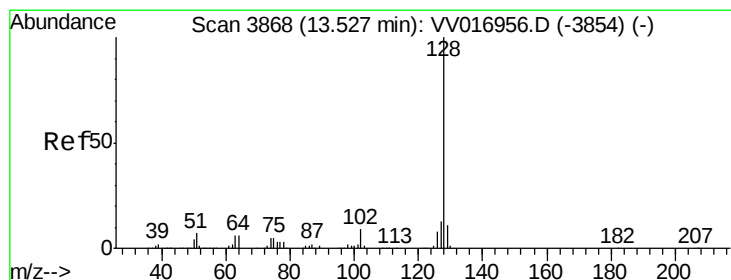
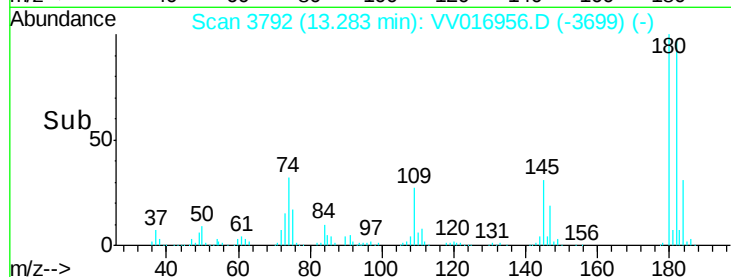
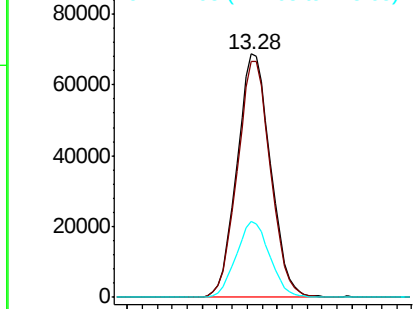
#69
 1,2,4-trichlorobenzene
 Concen: 5.161 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00536

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.7	76.6	114.8
145	31.3	25.0	37.6

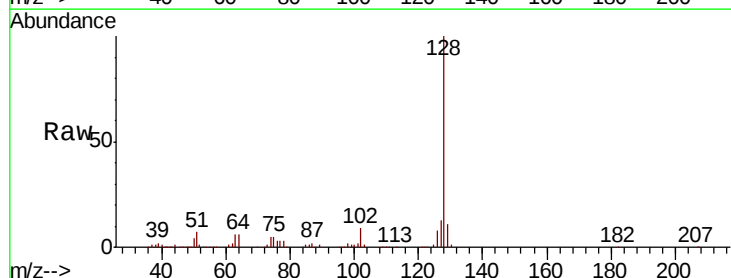


Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V

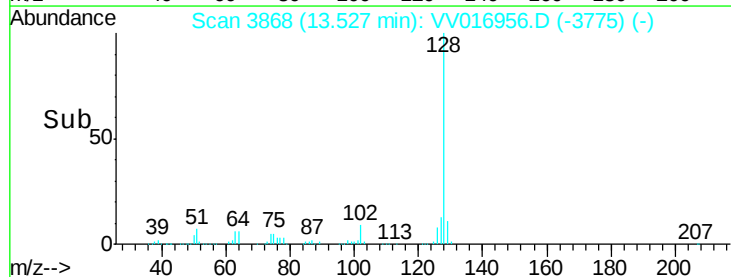
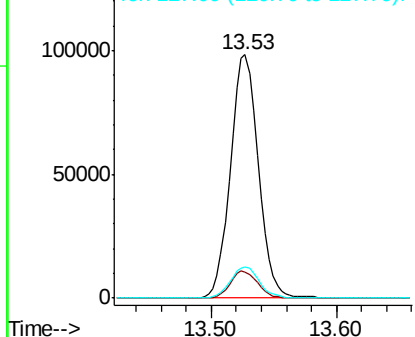


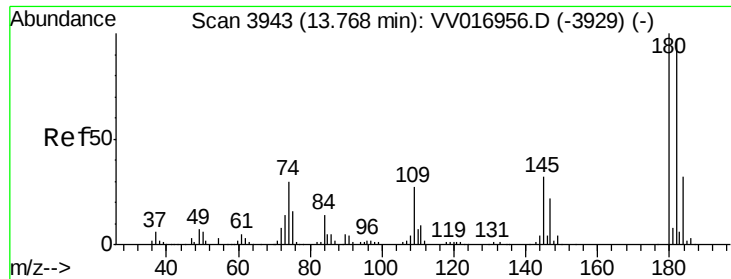
#70
 Naphthalene
 Concen: 3.206 ug/L
 RT: 13.53 min Scan# 3868
 Delta R.T. 0.00 min
 Lab File: VV016956.D
 Acq: 17 Jun 2020 10:20

Tgt Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.1	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: 4.879 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV016956.D

Acq: 17 Jun 2020 10:20

Instrument :

MSVOA_V

ClientSampleId :

VSTD00536

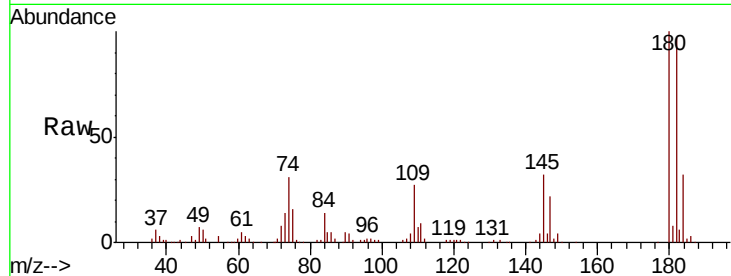
Tot Ion:180 Resp: 88784

Ion Ratio Lower Upper

180 100

182 96.7 77.4 116.0

145 32.4 25.9 38.9



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

