

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016648.D
 Acq On : 08 Jun 2020 10:13
 Operator : SY/MD
 Sample : VSTD00563
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Quant Time: Jun 09 00:29:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 00:27:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	405248	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	386278	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	192244	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	13458	4.63	ug/L	0.00
7) Chloroethane-d5	1.58	69	9908	4.89	ug/L	0.01
11) 1,1-Dichloroethene-d2	2.12	63	23472	4.59	ug/L	0.00
21) 2-Butanone-d5	3.91	46	18287	9.42	ug/L	0.01
24) Chloroform-d	4.38	84	27091	4.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	18849	5.06	ug/L	0.00
32) Benzene-d6	5.08	84	50367	4.74	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	15683	4.72	ug/L	0.00
41) Toluene-d8	7.34	98	45672	4.72	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	7833	4.82	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	10934	7.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	21032	4.68	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	19737	5.23	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	16250	4.738	ug/L 99
3) Chloromethane	1.25	50	15589	4.801	ug/L 99
5) Vinyl chloride	1.32	62	14140	4.450	ug/L 94
6) Bromomethane	1.53	94	7967	5.093	ug/L 100
8) Chloroethane	1.60	64	8132	4.688	ug/L 97
9) Trichlorofluoromethane	1.77	101	22407	4.867	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	10873	4.580	ug/L 95
12) 1,1-Dichloroethene	2.13	96	10145	4.479	ug/L 88
13) Acetone	2.17	43	15180	8.916	ug/L 98
14) Carbon disulfide	2.31	76	36930	4.669	ug/L 97
15) Methyl Acetate	2.44	43	15506	4.787	ug/L 97
16) Methylene chloride	2.52	84	16310	5.037	ug/L 94
17) trans-1,2-Dichloroethene	2.78	96	14555	5.027	ug/L 91
18) Methyl tert-butyl Ether	2.78	73	46092	5.051	ug/L 97
19) 1,1-Dichloroethane	3.21	63	26556	4.919	ug/L 97
20) cis-1,2-Dichloroethene	3.94	96	15086	4.808	ug/L 93
23) Bromochloromethane	4.27	128	8207	5.070	ug/L 94
25) Chloroform	4.40	83	26130	4.641	ug/L 98
27) 1,2-Dichloroethane	5.16	62	21873	4.752	ug/L 98
29) Cyclohexane	4.70	56	24428	5.138	ug/L 90
30) 1,1,1-Trichloroethane	4.63	97	24484	5.016	ug/L 98
31) Carbon tetrachloride	4.85	117	20029	4.743	ug/L 100
33) Benzene	5.13	78	57723	4.946	ug/L 100
34) Trichloroethene	5.94	95	15998	5.200	ug/L 94
35) Methylcyclohexane	6.15	83	11893	2.653	ug/L # 20
37) 1,2-Dichloropropane	6.20	63	15033	4.943	ug/L 99
38) Bromodichloromethane	6.53	83	18901	4.791	ug/L # 96
39) cis-1,3-Dichloropropene	7.05	75	20348	4.535	ug/L 97
40) 4-Methyl-2-pentanone	7.25	43	37944	8.943	ug/L 99
42) Toluene	7.41	91	58584	4.745	ug/L 100

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 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

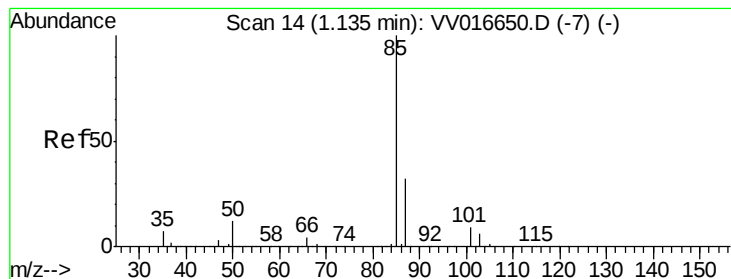
Instrument :
 MSVOA_V
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 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

44) trans-1,3-Dichloropropene	7.68	75	19666	4.451	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	14162	4.820	ug/L	98
46) Tetrachloroethene	8.00	164	12631	5.307	ug/L	98
48) 2-Hexanone	8.16	43	30288	9.193	ug/L	95
49) Dibromochloromethane	8.27	129	13967	4.776	ug/L	97
50) 1,2-Dibromoethane	8.38	107	14747	4.751	ug/L #	99
51) Chlorobenzene	8.90	112	39777	4.903	ug/L	95
52) Ethylbenzene	9.04	91	63448	4.686	ug/L	97
53) m,p-Xylene	9.16	106	23546	4.622	ug/L	95
54) o-xylene	9.57	106	23407	4.746	ug/L	90
55) Styrene	9.58	104	38234	4.454	ug/L	98
56) Isopropylbenzene	9.95	105	62292	4.816	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	21701	4.628	ug/L	98
59) 1,2,3-Trichloropropane	10.30	75	19152	5.021	ug/L	99
61) Bromoform	9.75	173	8543	4.860	ug/L #	97
62) 1,3-Dichlorobenzene	11.21	146	31473	5.093	ug/L	97
63) 1,4-Dichlorobenzene	11.30	146	31670	4.959	ug/L	94
65) 1,2-Dichlorobenzene	11.67	146	30453	4.882	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	4217	4.388	ug/L	87
67) 1,3,5-Trichlorobenzene	12.67	180	22303	5.260	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	19452	4.940	ug/L	97
69) Naphthalene	13.53	128	52170	4.339	ug/L	98
70) 1,2,3-Trichlorobenzene	13.77	180	19835	5.249	ug/L	98

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



#2

Dichlorodifluoromethane

Concen: 4.738 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

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MSVOA_V

ClientSampleId :

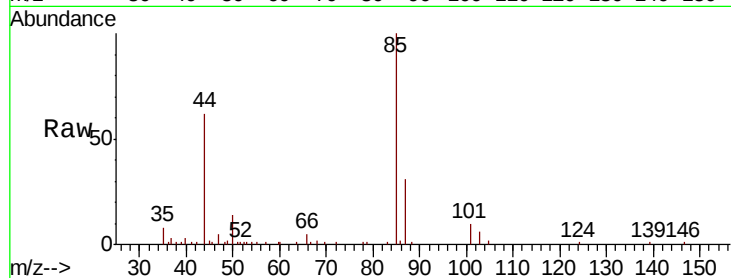
VSTD00563

Tot Ion: 85 Resp: 16250

Ion Ratio Lower Upper

85 100

87 32.3 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016648.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV016648.D (-1) (-)

20000

15000

10000

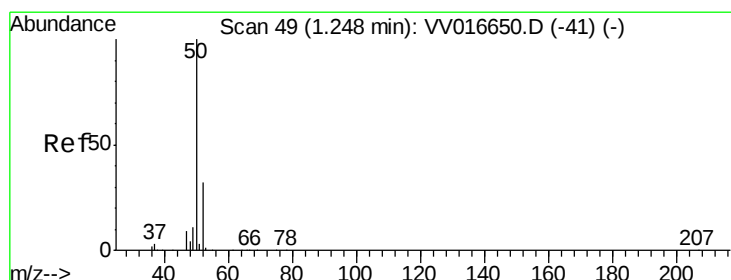
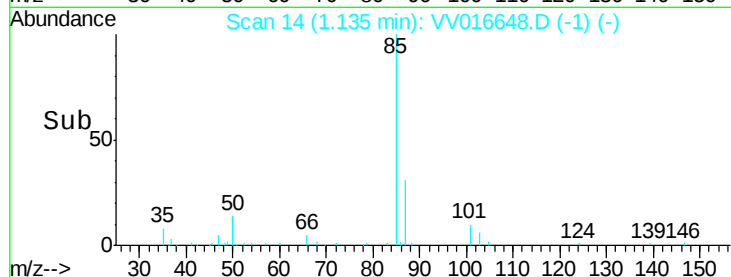
5000

0

1.14

1.10 1.15

Time-->



#3

Chloromethane

Concen: 4.801 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV016648.D

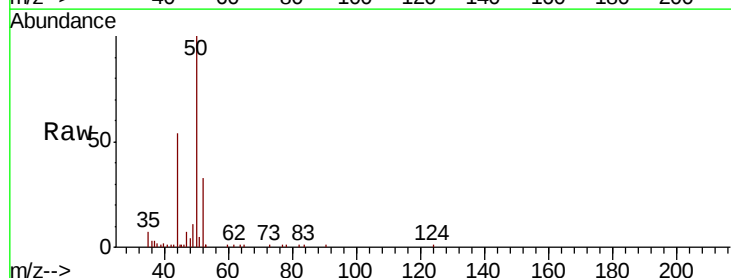
Acq: 08 Jun 2020 10:13

Tgt Ion: 50 Resp: 15589

Ion Ratio Lower Upper

50 100

52 32.7 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016648.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV016648.D (-1) (-)

15000

10000

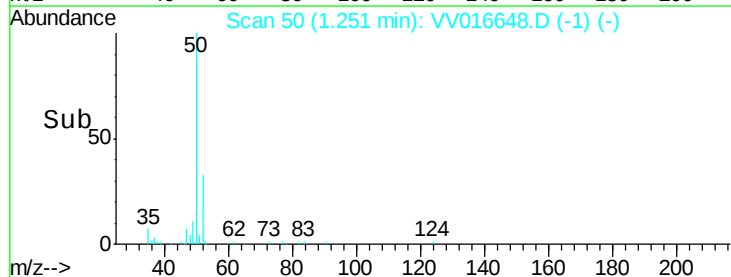
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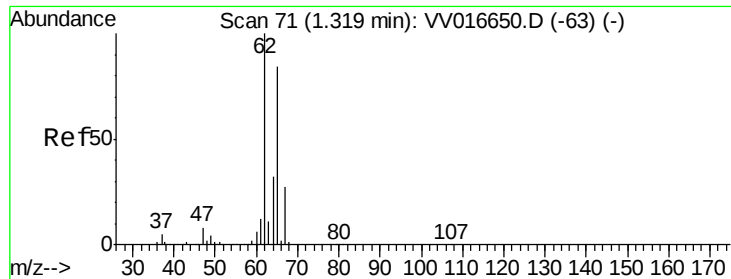
0

1.25

1.22 1.24 1.26 1.28

Time-->





#5

Vinyl chloride

Concen: 4.450 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

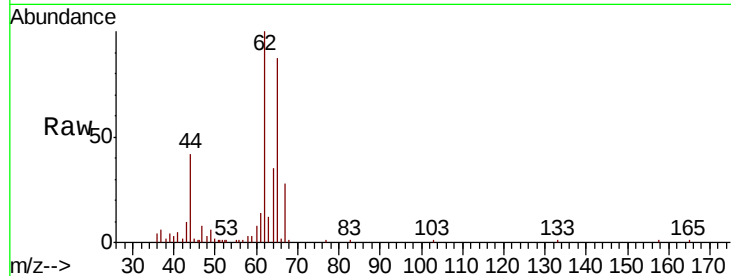
VSTD00563

Tot Ion: 62 Resp: 14140

Ion Ratio Lower Upper

62 100

64 35.3 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

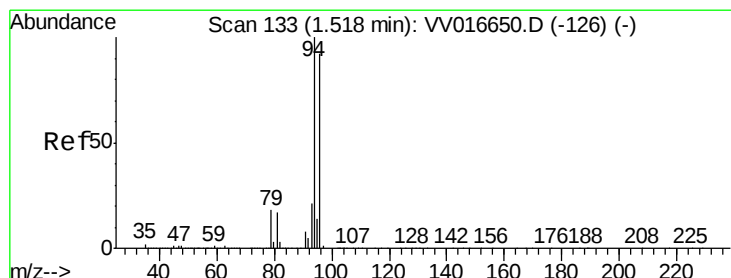
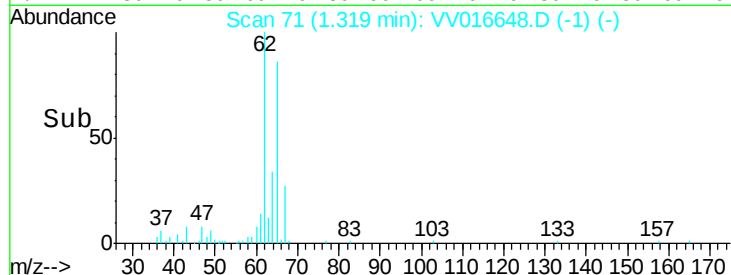
15000

10000

5000

0

Time-->



#6

Bromomethane

Concen: 5.093 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV016648.D

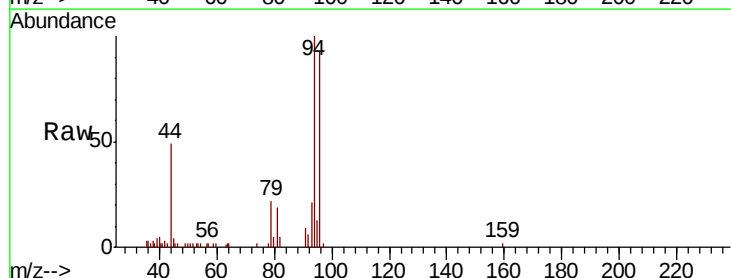
Acq: 08 Jun 2020 10:13

Tgt Ion: 94 Resp: 7967

Ion Ratio Lower Upper

94 100

96 92.6 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

8000

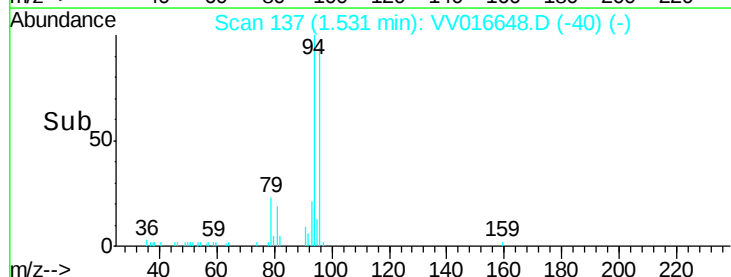
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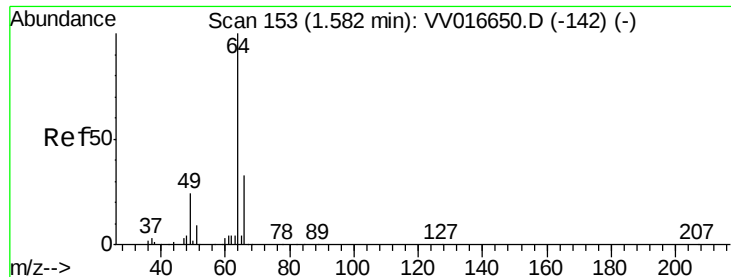
4000

2000

0

Time-->





#8

Chloroethane

Concen: 4.688 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.01 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

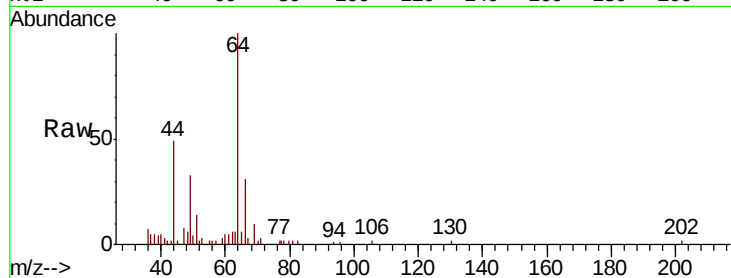
VSTD00563

Tot Ion: 64 Resp: 8132

Ion Ratio Lower Upper

64 100

66 31.4 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV016650.D (-142) (-)

Ion 66.00 (65.70 to 66.70): VV016650.D (-142) (-)

1.60

8000

6000

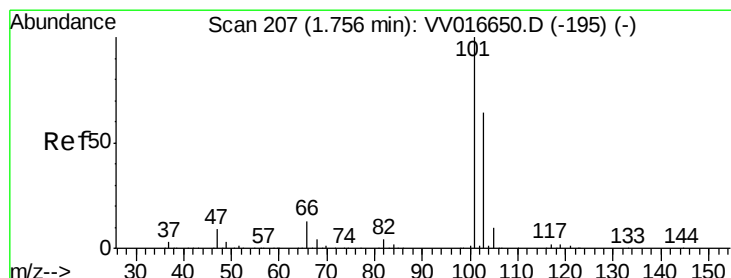
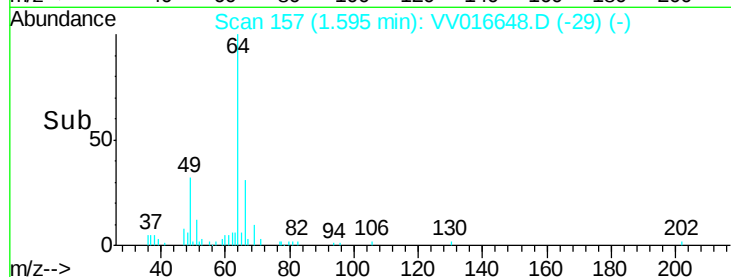
4000

2000

0

1.56 1.58 1.60 1.62

Time-->



#9

Trichlorofluoromethane

Concen: 4.867 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV016648.D

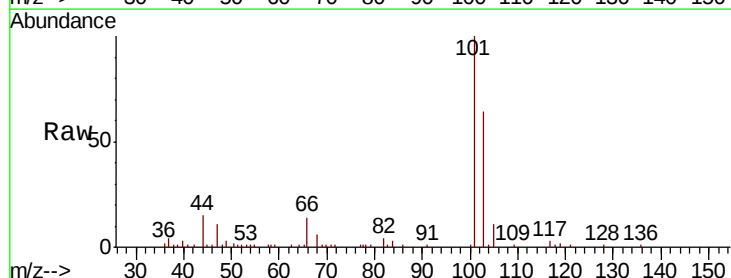
Acq: 08 Jun 2020 10:13

Tgt Ion: 101 Resp: 22407

Ion Ratio Lower Upper

101 100

103 64.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV016650.D (-195) (-)

Ion 103.00 (102.70 to 103.70): VV016650.D (-195) (-)

1.77

20000

15000

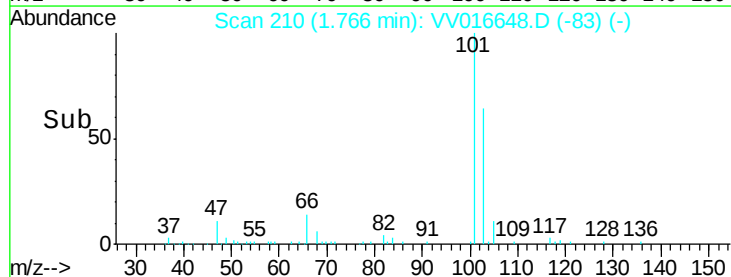
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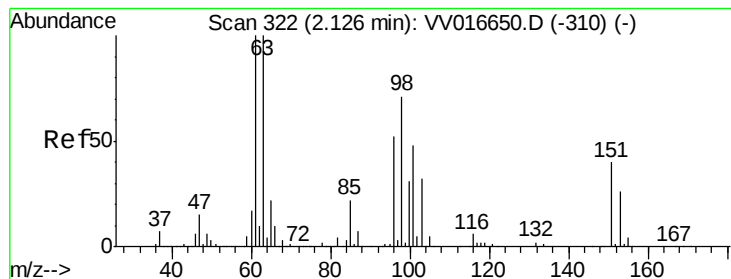
5000

0

1.70 1.75 1.80

Time-->





#10

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

Concen: 4.580 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.01 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

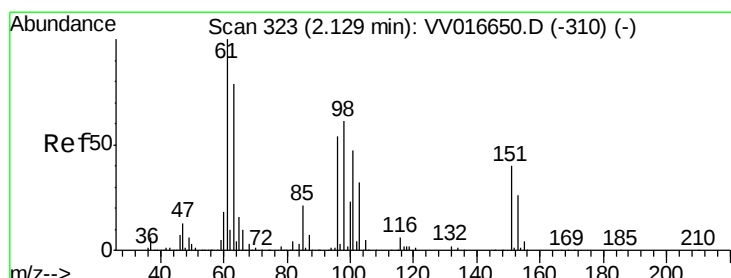
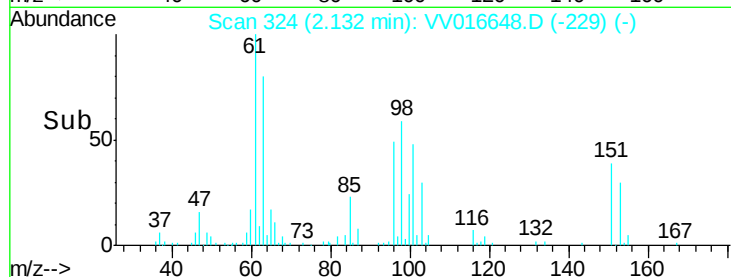
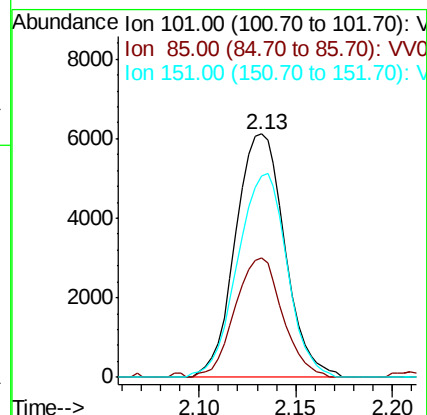
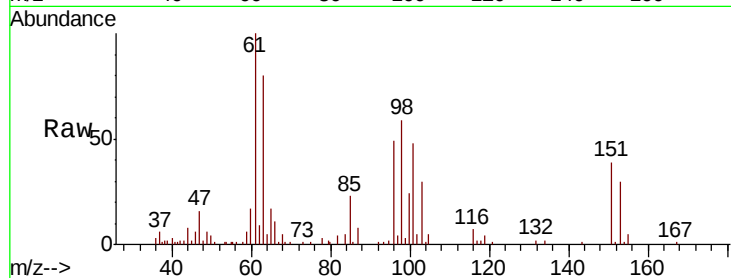
Tot Ion:101 Resp: 10873

Ion Ratio Lower Upper

101 100

85 47.3 35.5 53.3

151 84.0 63.9 95.9



#12

1,1-Dichloroethene

Concen: 4.479 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

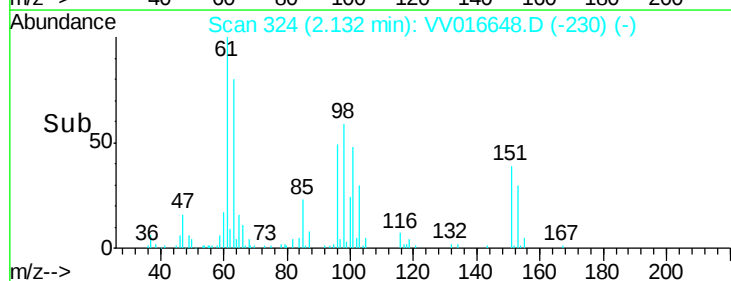
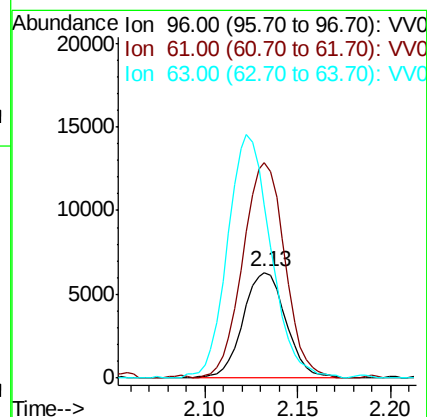
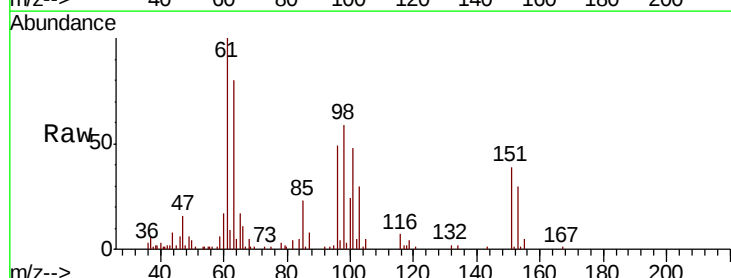
Tgt Ion: 96 Resp: 10145

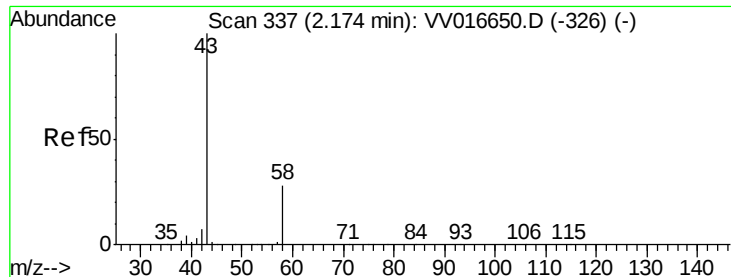
Ion Ratio Lower Upper

96 100

61 204.2 130.4 242.2

63 163.4 103.3 191.9





#13

Acetone

Concen: 8.916 ug/L

RT: 2.17 min Scan# 337

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

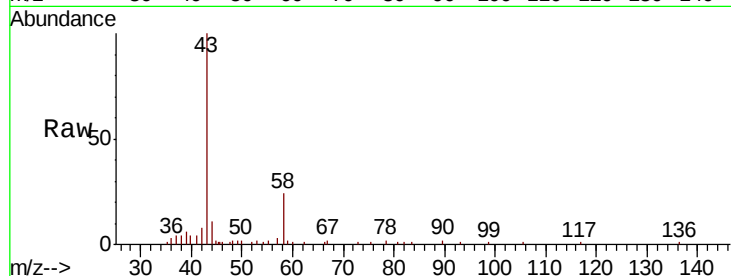
VSTD00563

Tot Ion: 43 Resp: 15180

Ion Ratio Lower Upper

43 100

58 28.8 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016650.D (-326) (-)

Ion 58.00 (57.70 to 58.70): VV016650.D (-326) (-)

2.17

10000

8000

6000

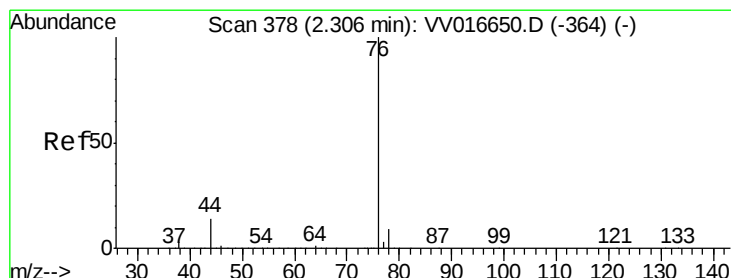
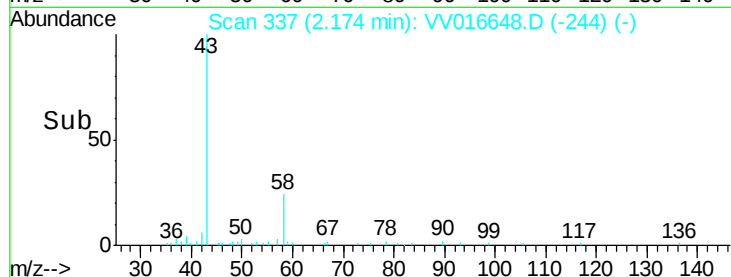
4000

2000

0

Time-->

2.10 2.15 2.20



#14

Carbon disulfide

Concen: 4.669 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV016648.D

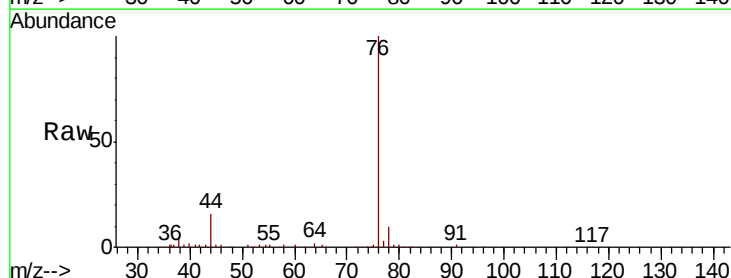
Acq: 08 Jun 2020 10:13

Tgt Ion: 76 Resp: 36930

Ion Ratio Lower Upper

76 100

78 10.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016650.D (-364) (-)

Ion 78.00 (77.70 to 78.70): VV016650.D (-364) (-)

2.31

25000

20000

15000

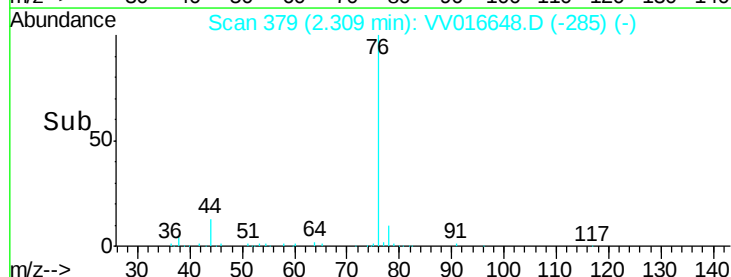
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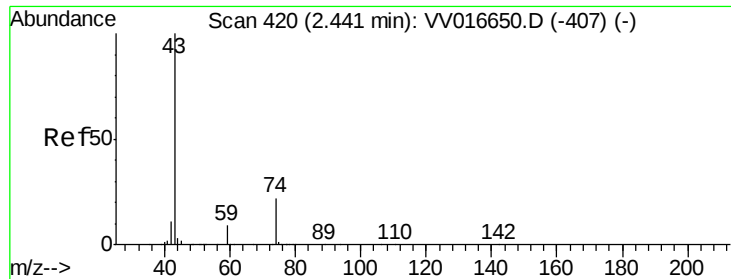
5000

0

Time-->

2.25 2.30 2.35

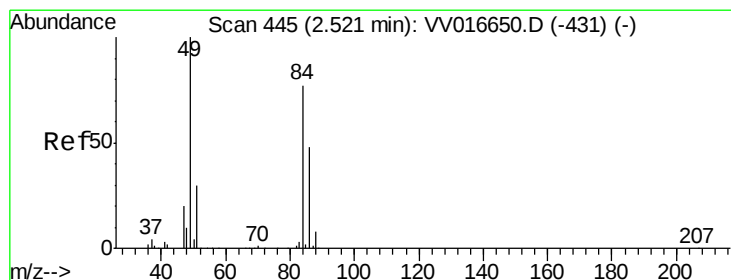
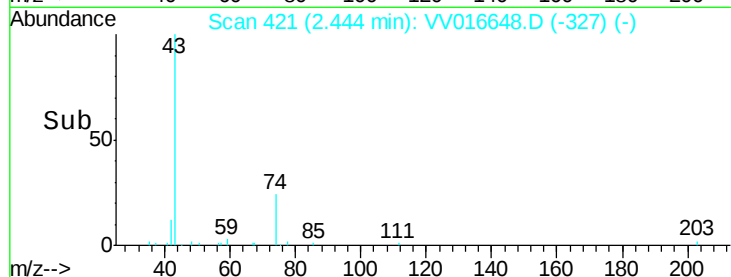
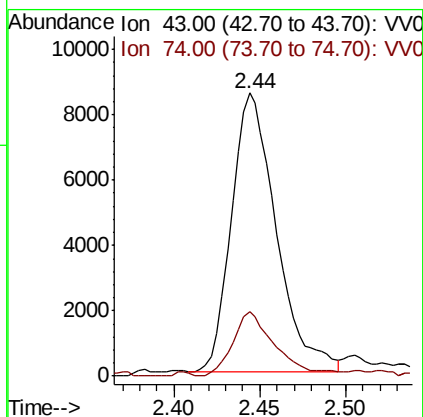
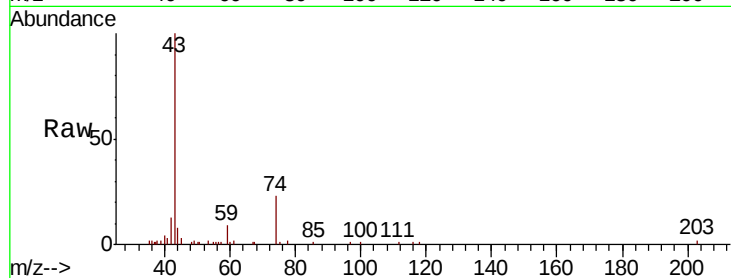




#15
Methvl Acetate
Concen: 4.787 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

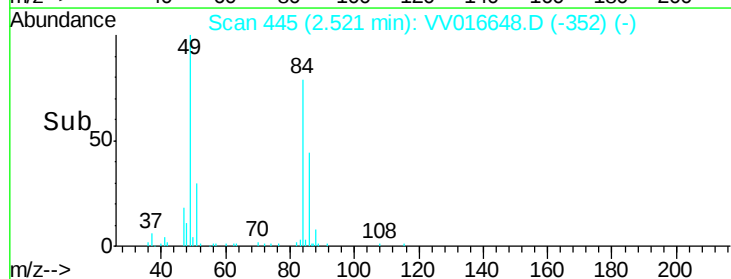
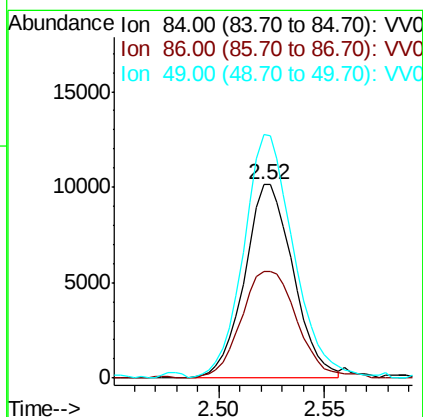
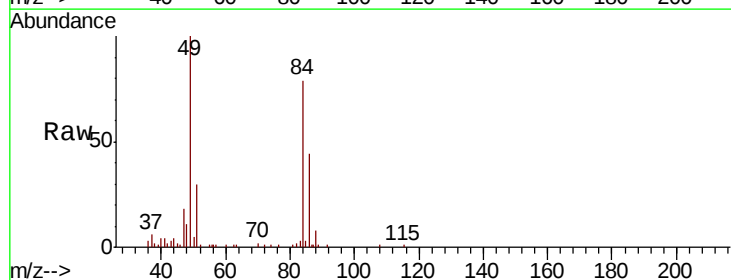
Instrument :
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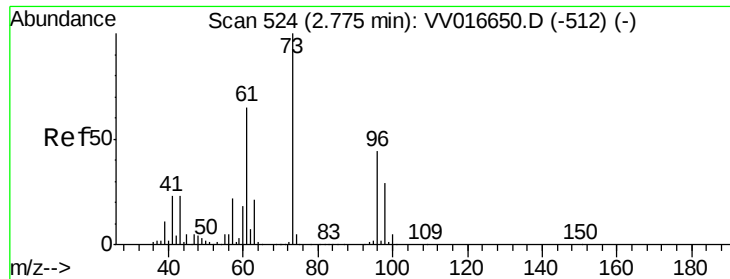
Tot Ion: 43 Resp: 15506
Ion Ratio Lower Upper
43 100
74 21.1 17.9 26.9



#16
Methylene chloride
Concen: 5.037 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

Tgt Ion: 84 Resp: 16310
Ion Ratio Lower Upper
84 100
86 55.1 44.0 81.8
49 125.8 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 5.027 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampled :

VSTD00563

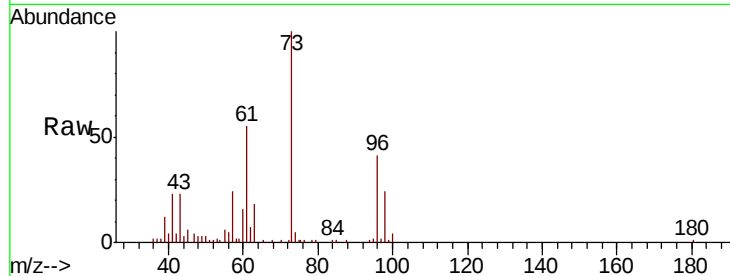
Tot Ion: 96 Resp: 14555

Ion Ratio Lower Upper

96 100

61 134.5 102.9 191.1

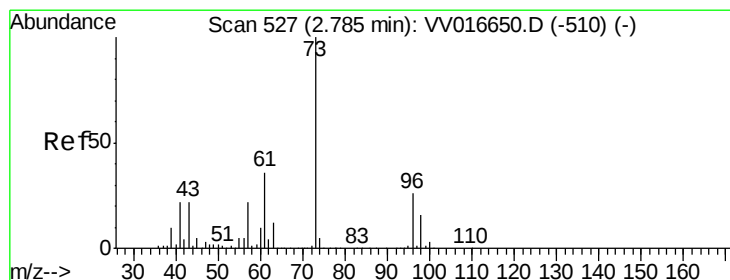
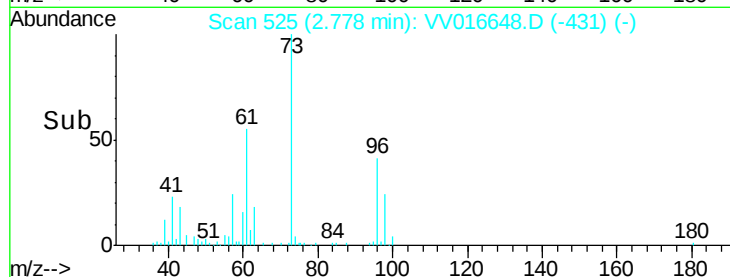
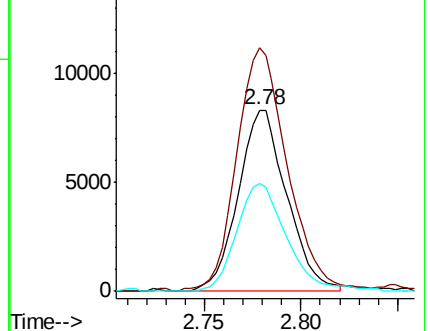
98 59.8 45.5 84.5



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 5.051 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

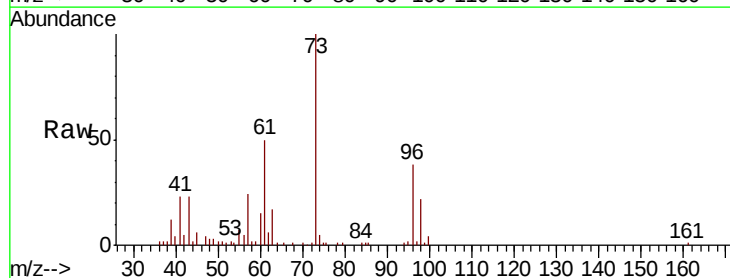
Tgt Ion: 73 Resp: 46092

Ion Ratio Lower Upper

73 100

43 22.6 17.8 26.6

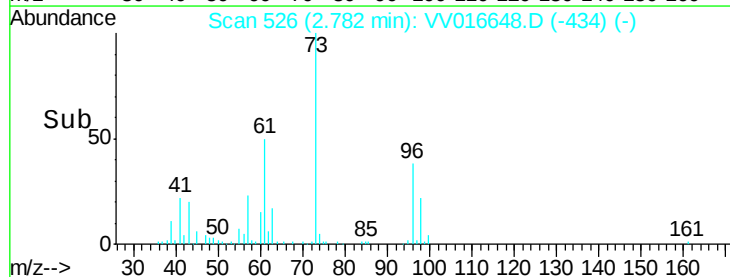
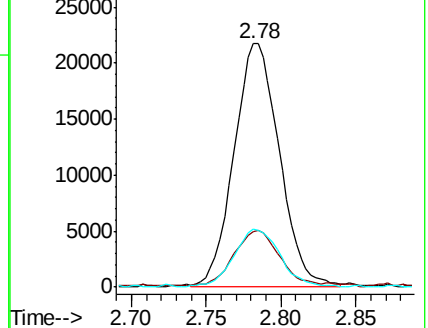
57 24.2 17.7 26.5

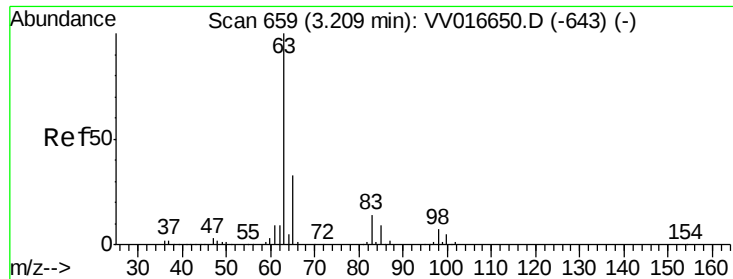


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

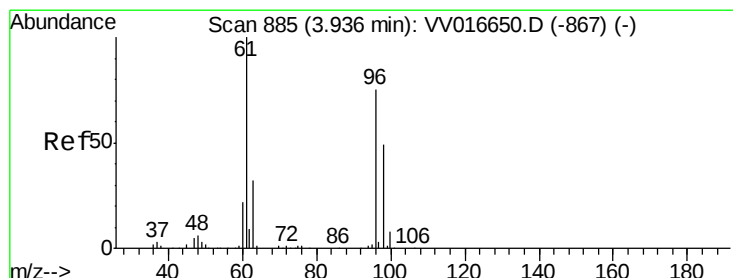
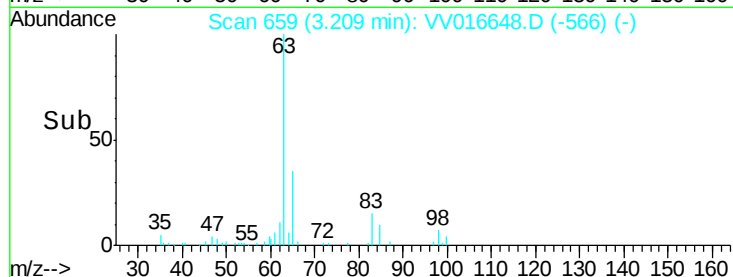
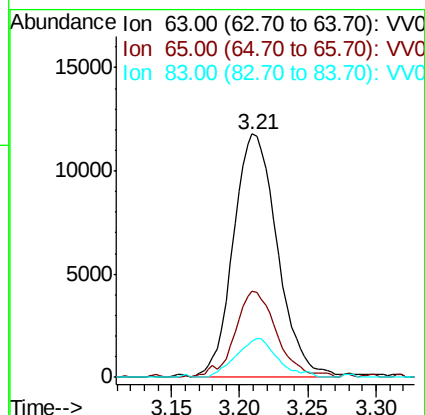
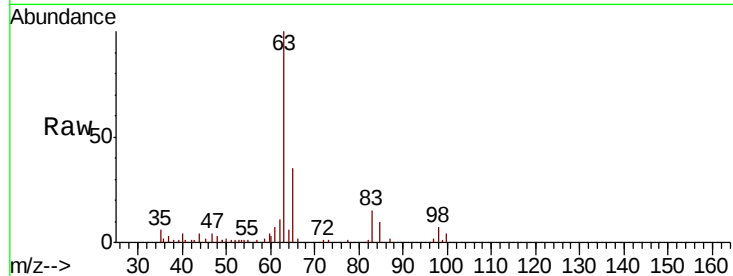




#19
 1,1-Dichloroethane
 Concen: 4.919 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

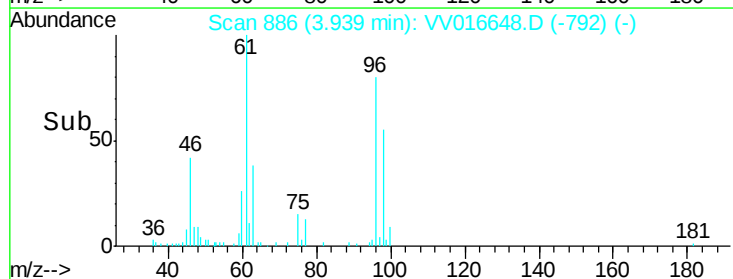
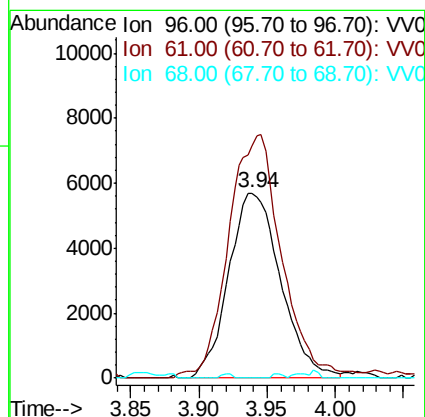
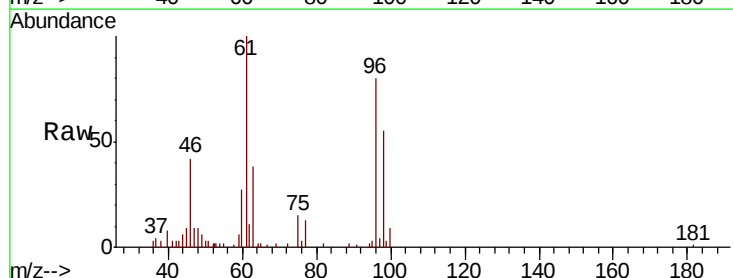
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

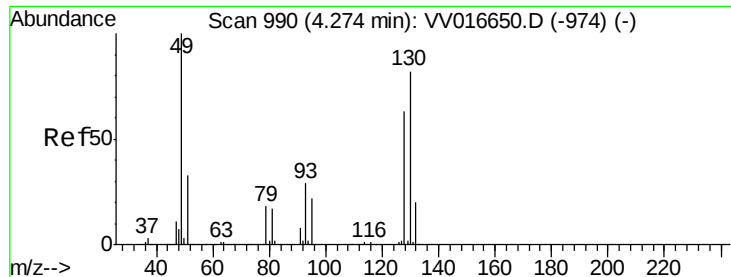
Tot Ion	Ratio	Lower	Upper
63	100		
65	35.4	23.2	43.0
83	15.0	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 4.808 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Tgt Ion	Ratio	Lower	Upper
96	100		
61	125.4	93.4	173.4
68	0.0	0.0	0.0

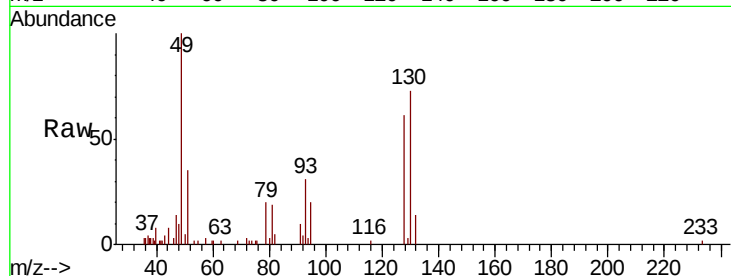




#23
Bromochloromethane
Concen: 5.070 ug/L
RT: 4.27 min Scan# 990
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

Tot Ion:	128	Resp:	8207
Ion	Ratio	Lower	Upper
128	100		
49	163.0	111.9	207.9
130	119.3	91.5	169.9
51	57.5	42.1	63.1

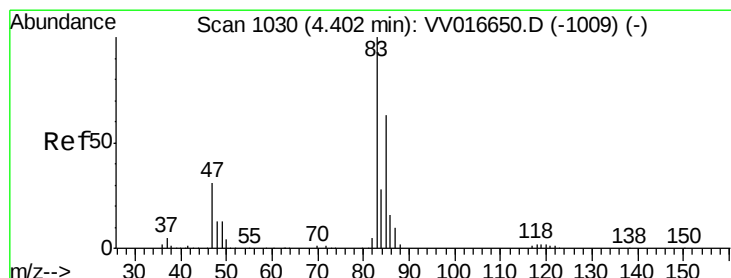
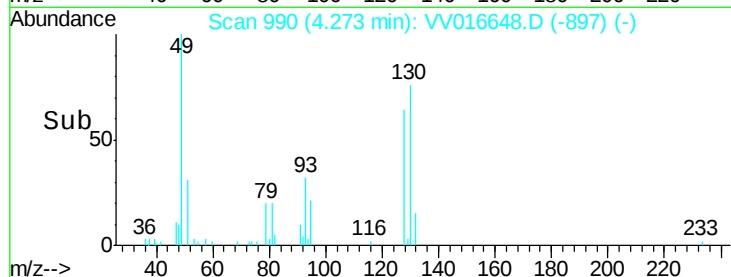
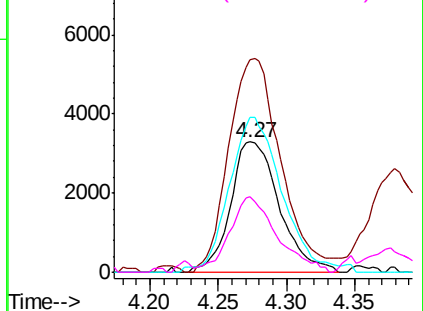


Abundance Ion 128.00 (127.70 to 128.70): VV016650.D (-974) (-)

Ion 49.00 (48.70 to 49.70): VV016650.D (-974) (-)

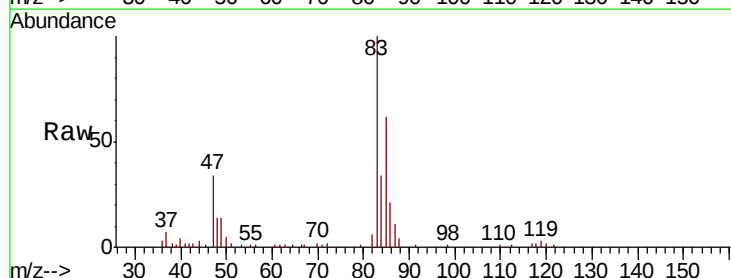
Ion 130.00 (129.70 to 130.70): VV016650.D (-974) (-)

Ion 51.00 (50.70 to 51.70): VV016650.D (-974) (-)



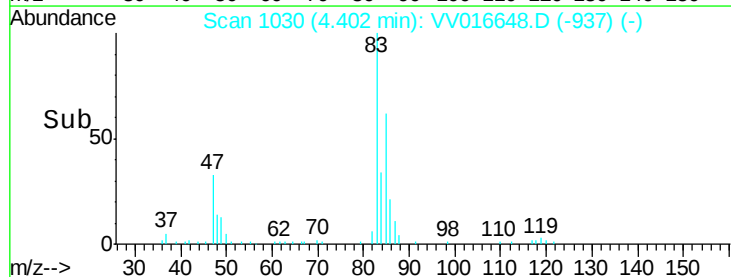
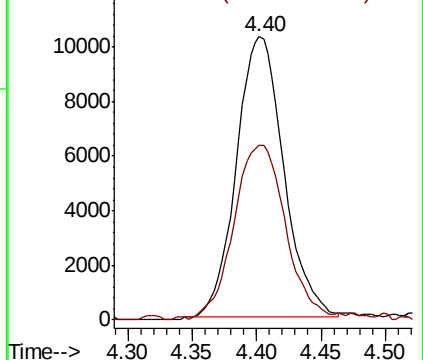
#25
Chloroform
Concen: 4.641 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

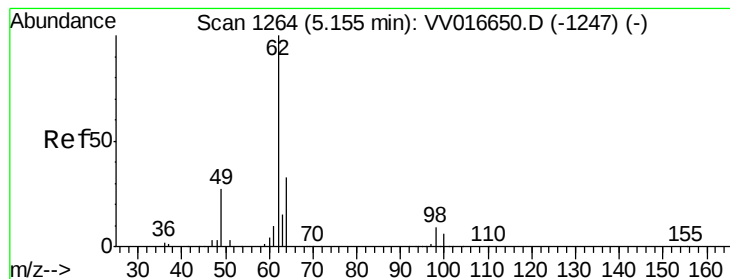
Tgt Ion:	83	Resp:	26130
Ion	Ratio	Lower	Upper
83	100		
85	61.7	44.1	81.9



Abundance Ion 83.00 (82.70 to 83.70): VV016650.D (-1009) (-)

Ion 85.00 (84.70 to 85.70): VV016650.D (-1009) (-)





#27

1,2-Dichloroethane

Concen: 4.752 ug/L

RT: 5.16 min Scan# 1265

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampled :

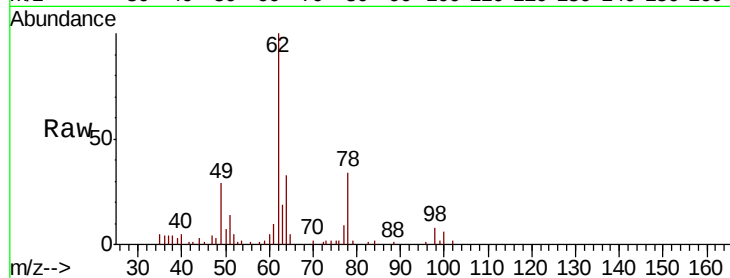
VSTD00563

Tot Ion: 62 Resp: 21873

Ion Ratio Lower Upper

62 100

98 8.5 7.4 11.2



Abundance Ion 62.00 (61.70 to 62.70): VV016650.D (-1247) (-)

Ion 98.00 (97.70 to 98.70): VV016650.D (-1247) (-)

5.16

10000

8000

6000

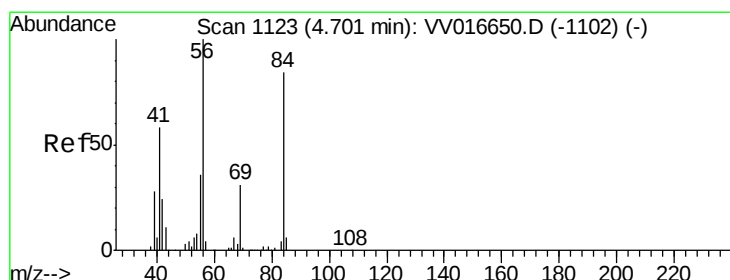
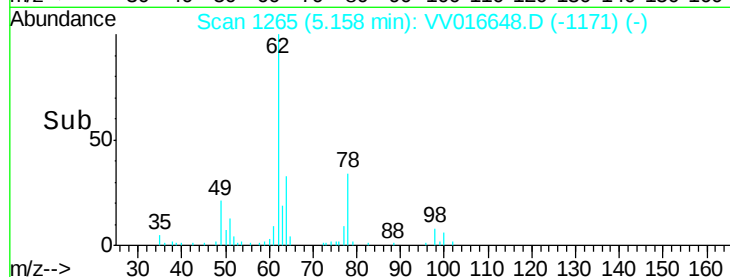
4000

2000

0

Time-->

5.10 5.15 5.20



#29

Cyclohexane

Concen: 5.138 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

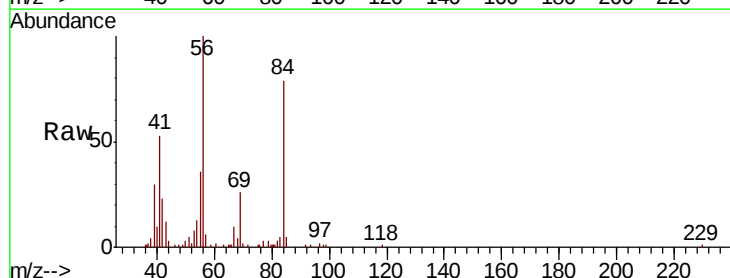
Tgt Ion: 56 Resp: 24428

Ion Ratio Lower Upper

56 100

69 27.5 25.0 37.4

84 76.5 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016650.D (-1102) (-)

Ion 69.00 (68.70 to 69.70): VV016650.D (-1102) (-)

Ion 84.00 (83.70 to 84.70): VV016650.D (-1102) (-)

4.70

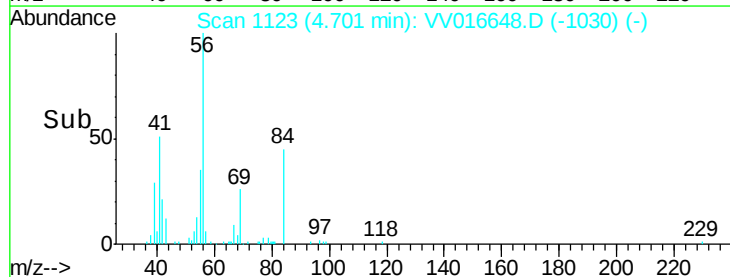
10000

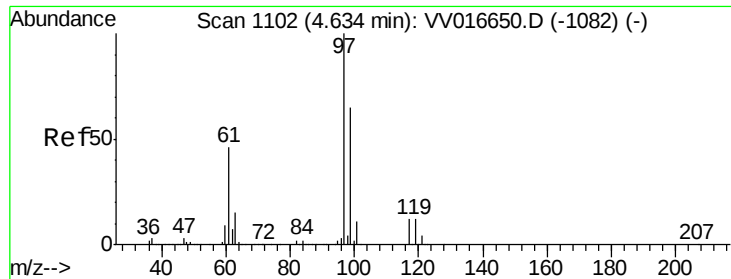
5000

0

Time-->

4.60 4.65 4.70 4.75

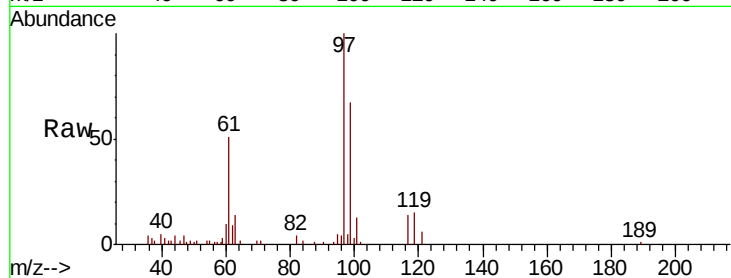




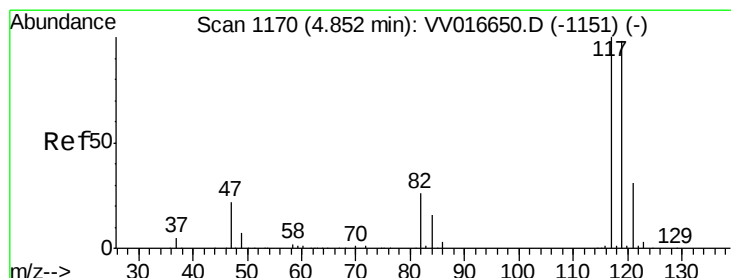
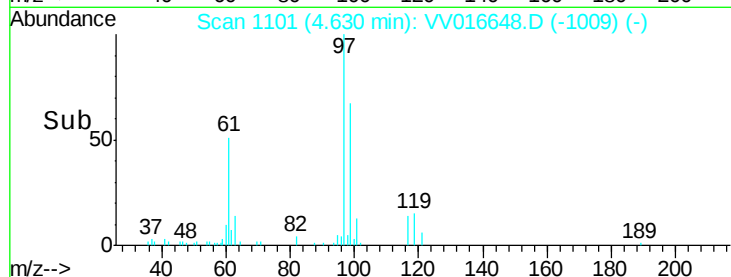
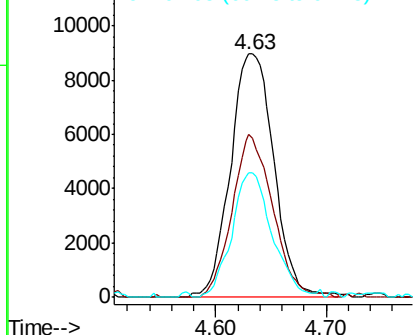
#30
 1,1,1-Trichloroethane
 Concen: 5.016 ug/L
 RT: 4.63 min Scan# 1101
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tot Ion: 97 Resp: 24484
 Ion Ratio Lower Upper
 97 100
 99 62.3 51.3 76.9
 61 47.6 36.7 55.1

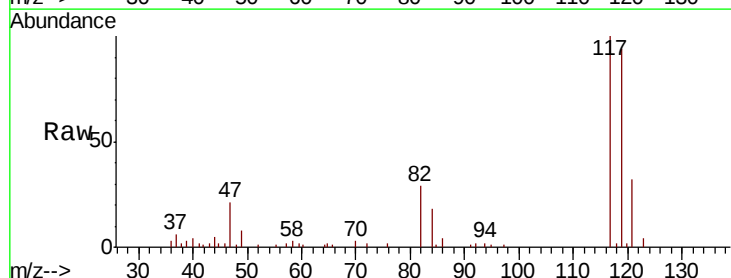


Abundance Ion 97.00 (96.70 to 97.70): VV0
 Ion 99.00 (98.70 to 99.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0

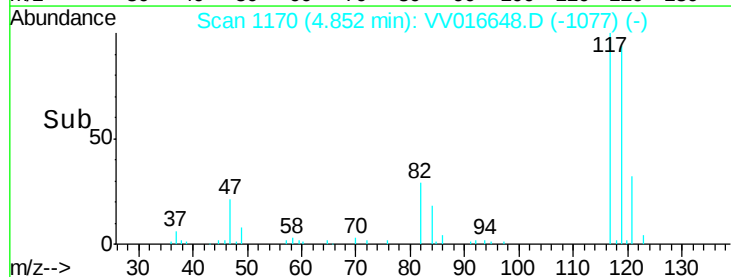
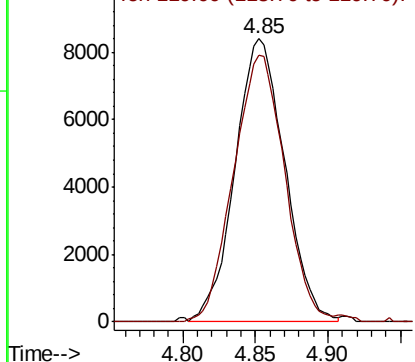


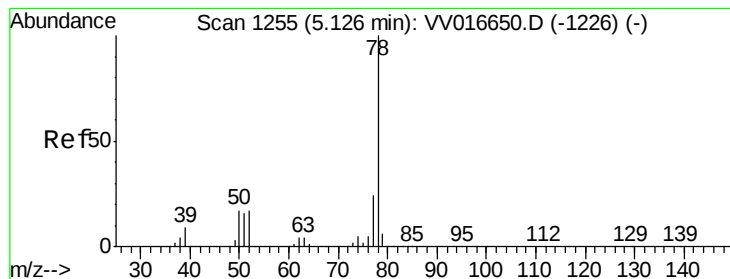
#31
 Carbon tetrachloride
 Concen: 4.743 ug/L
 RT: 4.85 min Scan# 1170
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Tgt Ion: 117 Resp: 20029
 Ion Ratio Lower Upper
 117 100
 119 96.5 77.4 116.2



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





#33

Benzene

Concen: 4.946 ug/L

RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

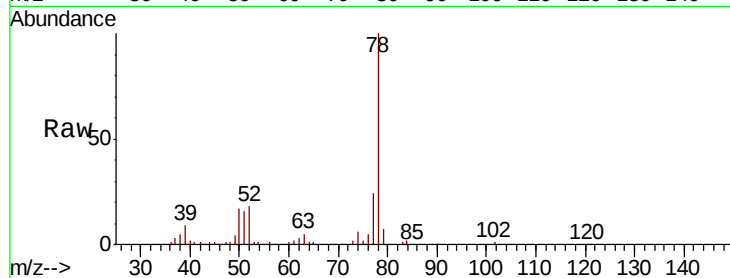
Instrument :

MSVOA_V

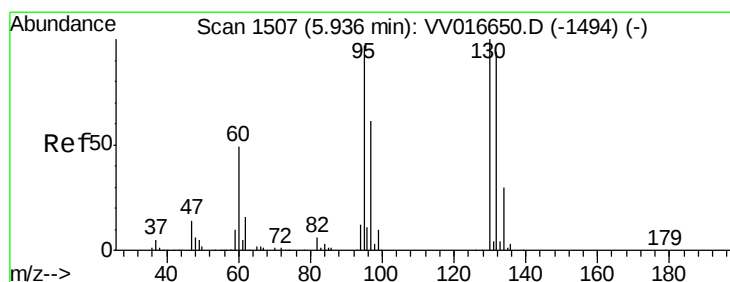
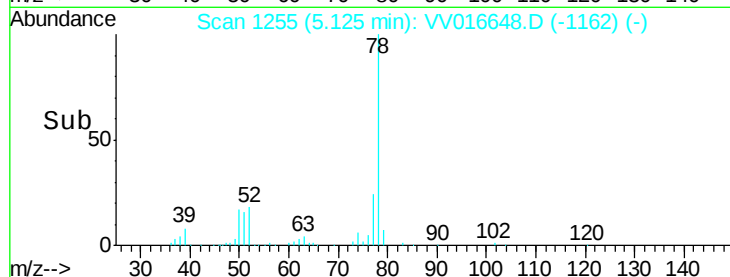
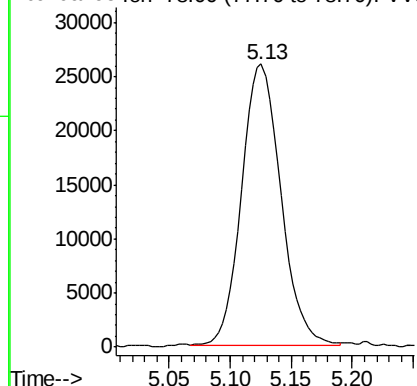
ClientSampleId :

VSTD00563

Tgt Ion: 78 Resp: 57723



Abundance Ion 78.00 (77.70 to 78.70): VV0



#34

Trichloroethene

Concen: 5.200 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Tgt Ion: 95 Resp: 15998

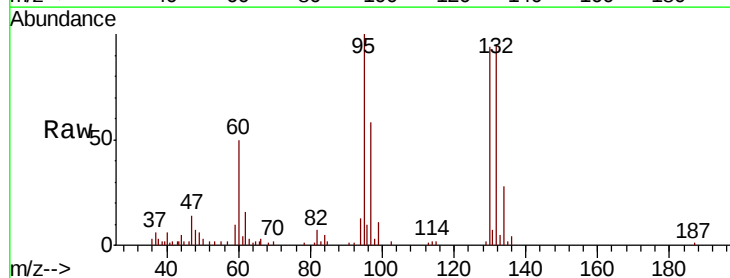
Ion	Ratio	Lower	Upper
95	100		
97	57.6	44.3	82.3
132	94.9	67.9	126.1
130	94.4	72.2	134.2

95 100

97 57.6 44.3 82.3

132 94.9 67.9 126.1

130 94.4 72.2 134.2

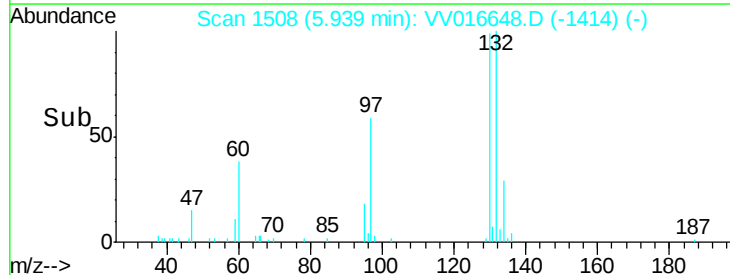
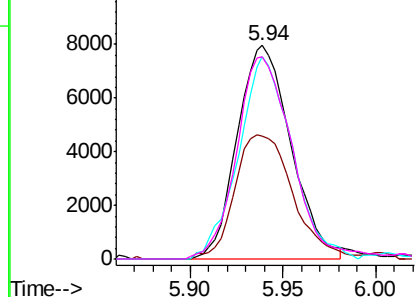


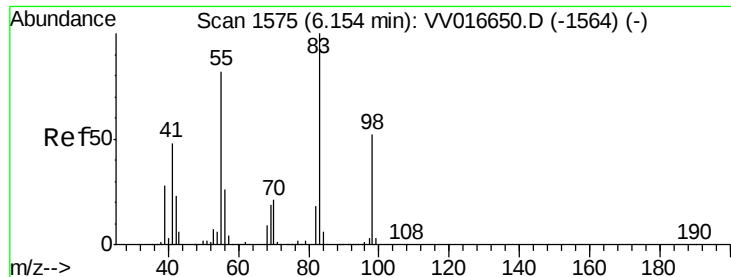
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0

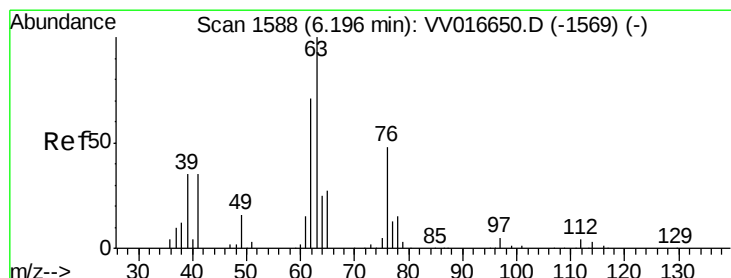
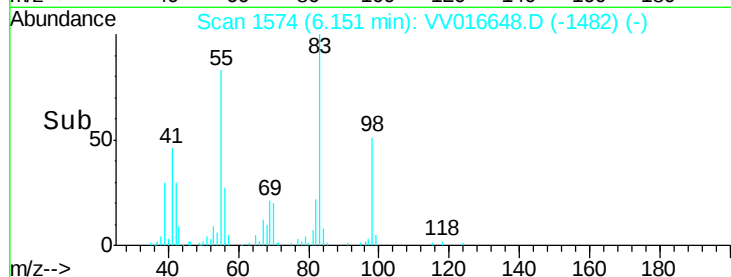
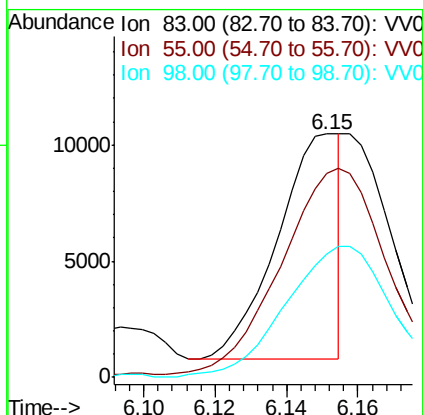
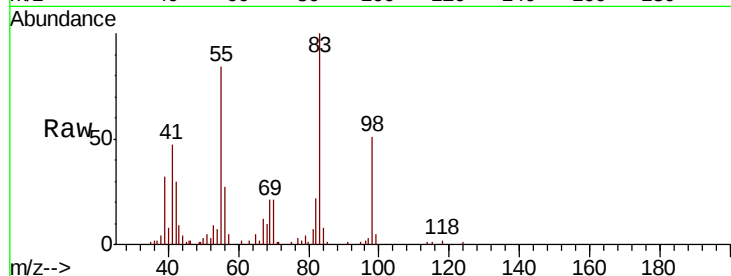




#35
Methvlcvclohexane
Concen: 2.653 ug/L
RT: 6.15 min Scan# 1574
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

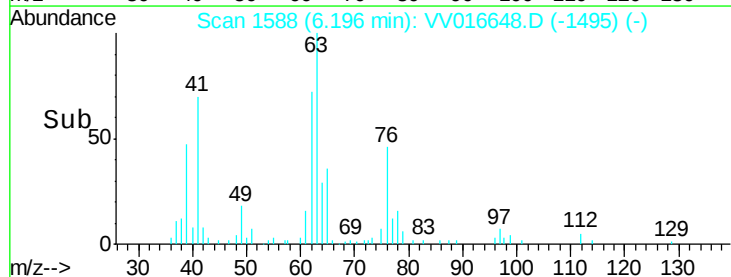
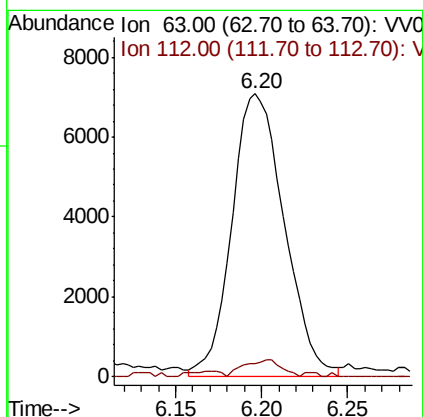
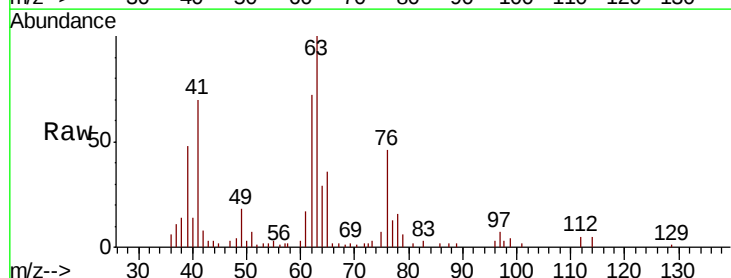
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

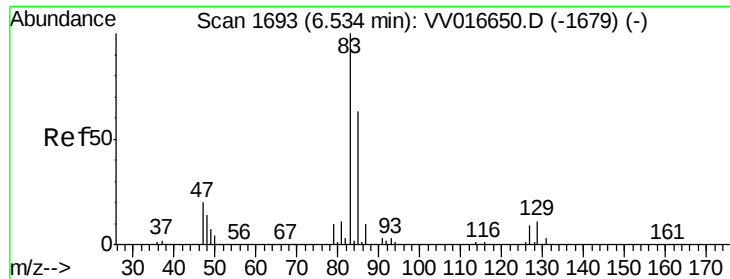
Tot Ion: 83 Resp: 11893
Ion Ratio Lower Upper
83 100
55 157.6 64.2 96.2#
98 97.5 40.3 60.5#



#37
1,2-Dichloropropane
Concen: 4.943 ug/L
RT: 6.20 min Scan# 1588
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

Tgt Ion: 63 Resp: 15033
Ion Ratio Lower Upper
63 100
112 4.4 3.8 5.6





#38

Bromodichloromethane

Concen: 4.791 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

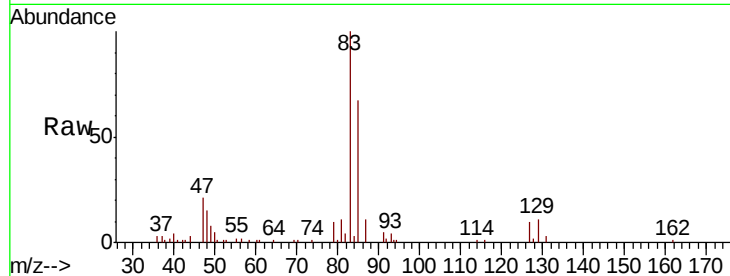
Tot Ion: 83 Resp: 18901

Ion Ratio Lower Upper

83 100

85 66.6 44.4 82.5

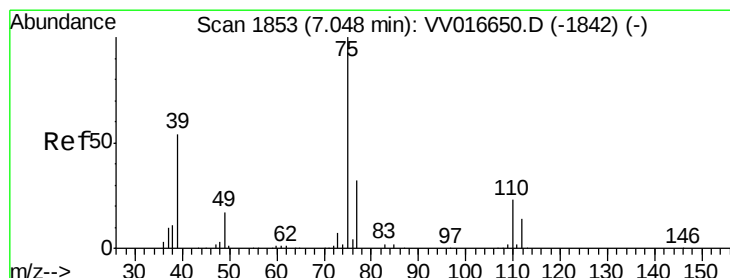
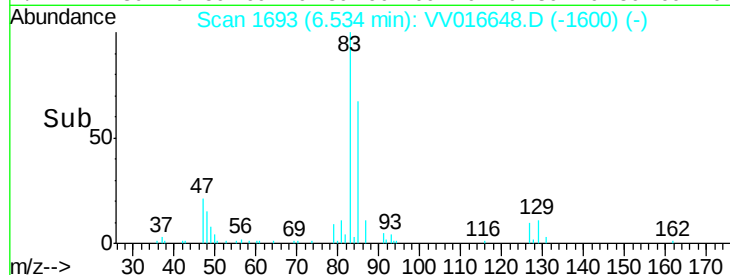
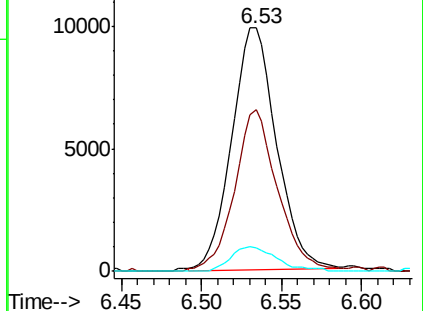
127 11.2 7.4 11.0#



Abundance Ion 83.00 (82.70 to 83.70): VV016648.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV016648.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV016648.D (-1600) (-)



#39

cis-1,3-Dichloropropene

Concen: 4.535 ug/L

RT: 7.05 min Scan# 1854

Delta R.T. 0.00 min

Lab File: VV016648.D

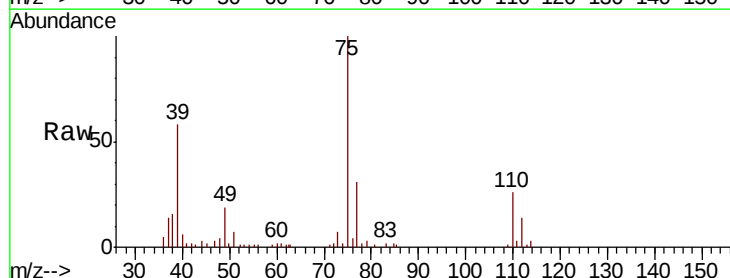
Acq: 08 Jun 2020 10:13

Tgt Ion: 75 Resp: 20348

Ion Ratio Lower Upper

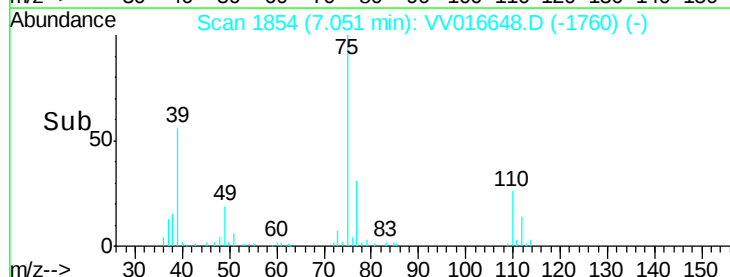
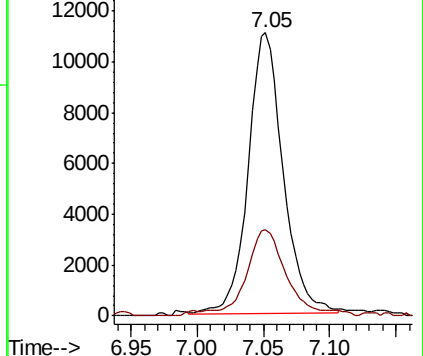
75 100

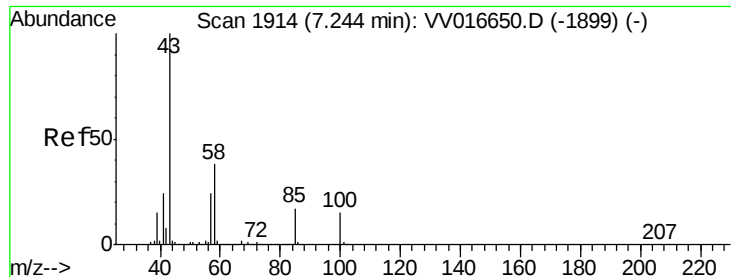
77 30.6 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV016648.D (-1760) (-)

Ion 77.00 (76.70 to 77.70): VV016648.D (-1760) (-)

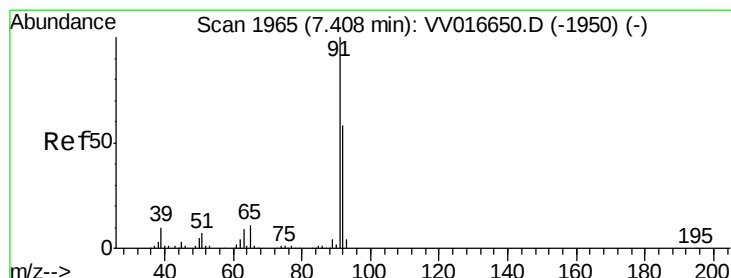
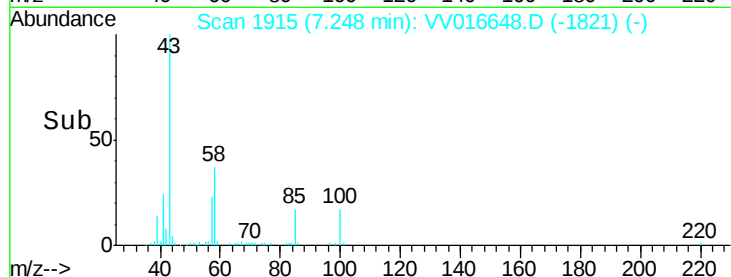
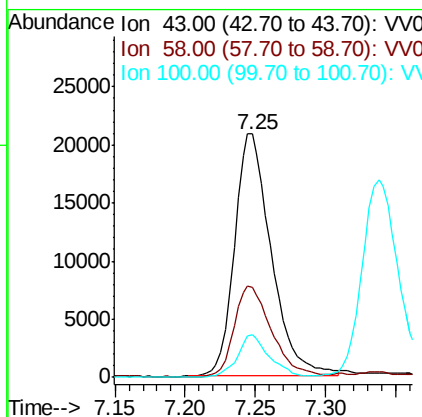
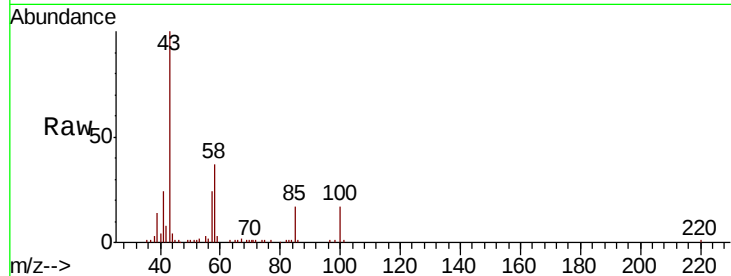




#40
 4-Methyl-2-pentanone
 Concen: 8.943 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

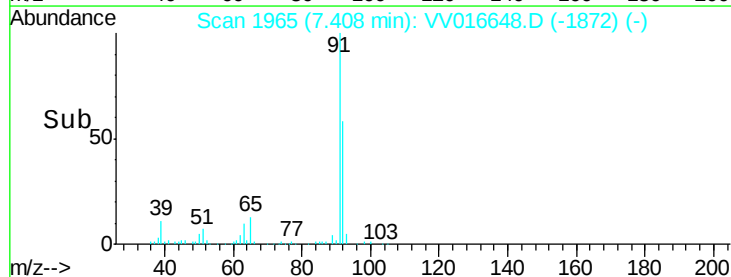
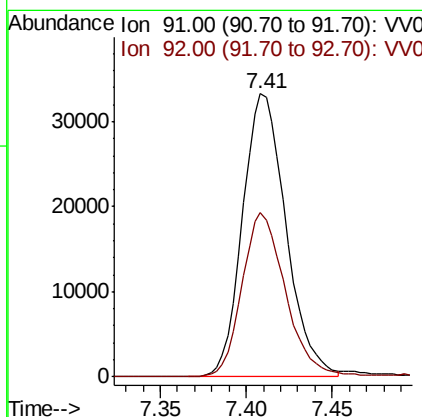
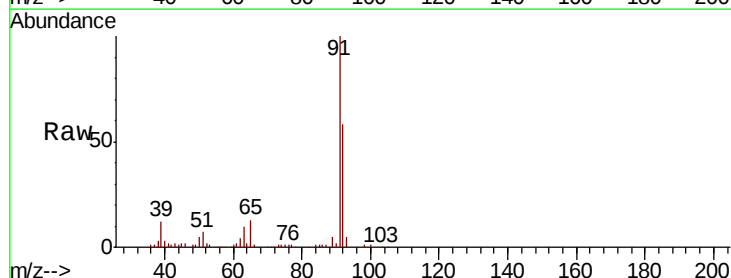
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00563

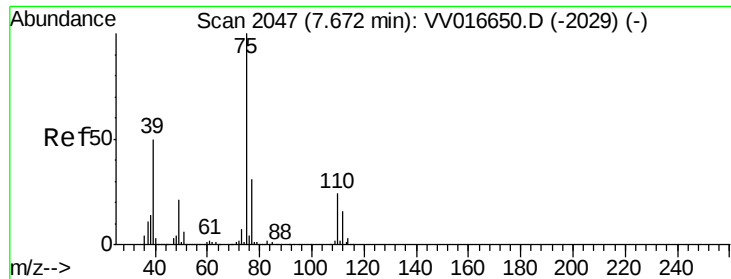
Tot Ion: 43 Resp: 37944
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.2 45.4
 100 15.4 12.3 18.5



#42
 Toluene
 Concen: 4.745 ug/L
 RT: 7.41 min Scan# 1965
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Tgt Ion: 91 Resp: 58584
 Ion Ratio Lower Upper
 91 100
 92 58.0 40.4 75.0





#44

trans-1,3-Dichloropropene

Concen: 4.451 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

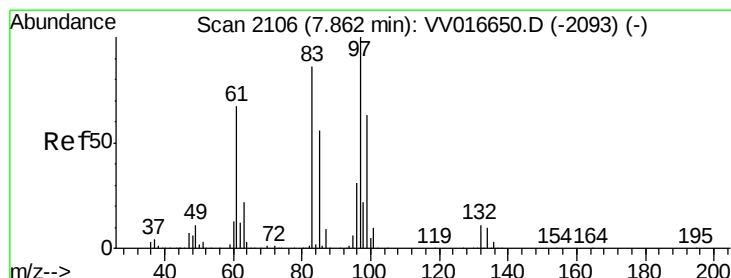
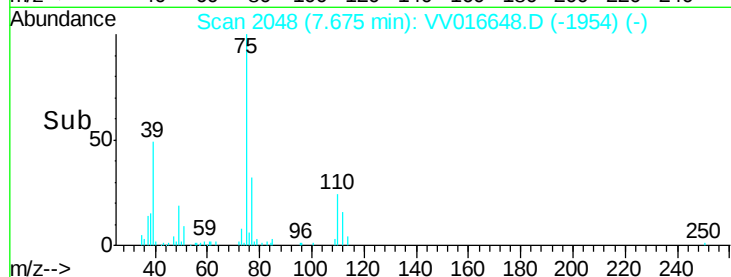
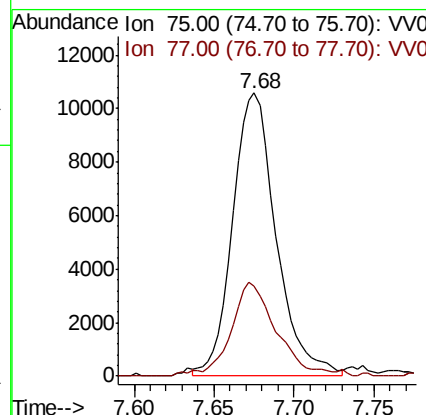
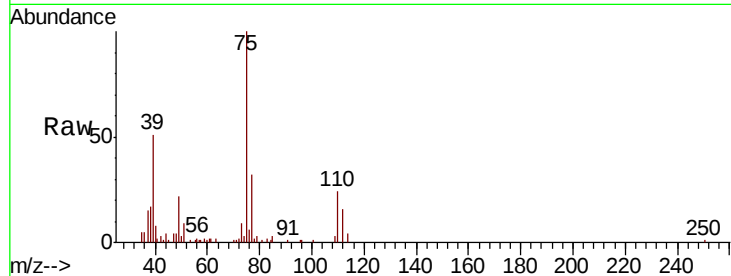
VSTD00563

Tot Ion: 75 Resp: 19666

Ion Ratio Lower Upper

75 100

77 31.6 21.7 40.3



#45

1,1,2-Trichloroethane

Concen: 4.820 ug/L

RT: 7.86 min Scan# 2106

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Tgt Ion: 97 Resp: 14162

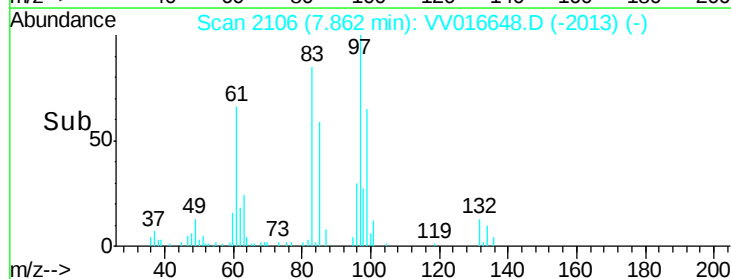
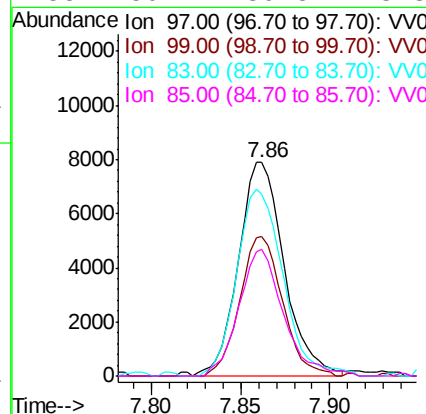
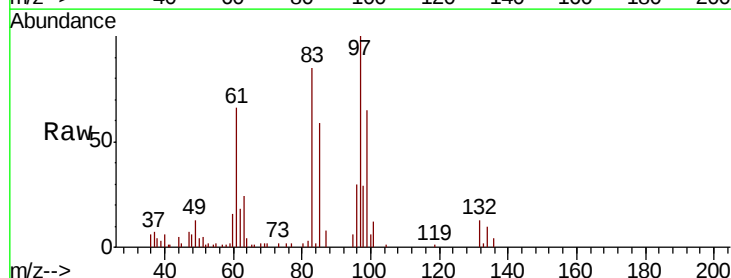
Ion Ratio Lower Upper

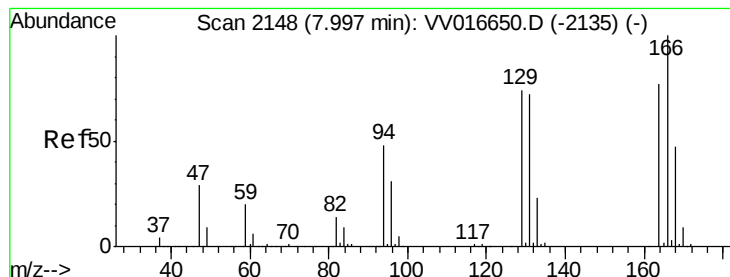
97 100

99 65.0 44.3 82.3

83 85.2 60.0 111.4

85 59.1 39.5 73.3





#46

Tetrachloroethene

Concen: 5.307 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

Tot Ion:164 Resp: 12631

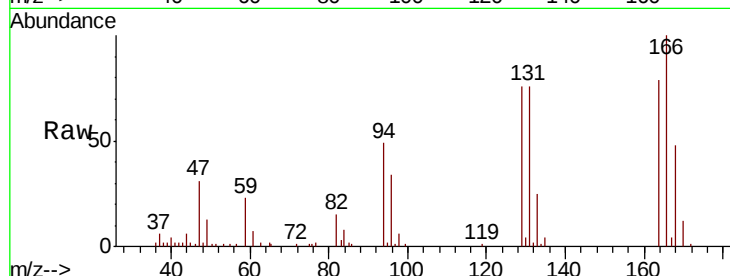
Ion Ratio Lower Upper

164 100

129 96.2 67.0 124.4

131 95.8 64.8 120.3

166 126.8 90.4 167.8

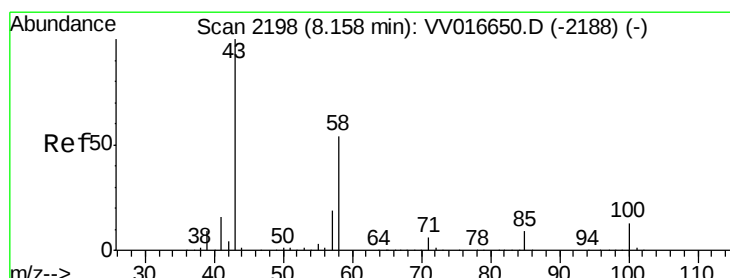
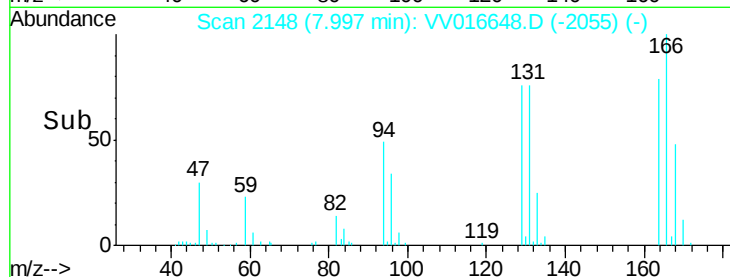
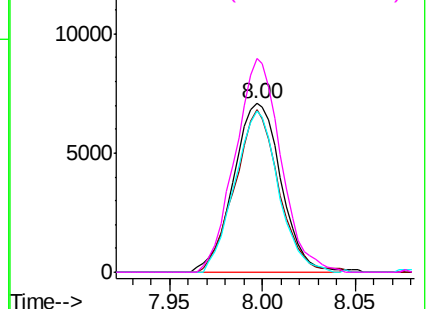


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 9.193 ug/L

RT: 8.16 min Scan# 2199

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Tgt Ion: 43 Resp: 30288

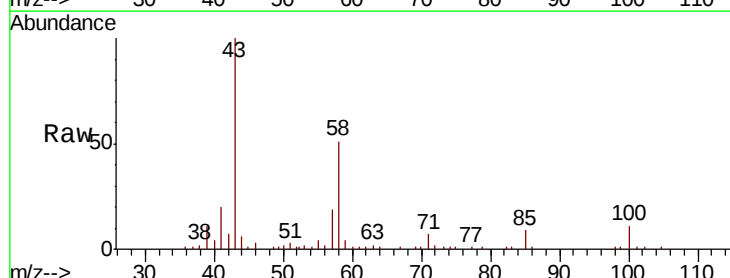
Ion Ratio Lower Upper

43 100

58 49.5 43.1 64.7

57 18.0 15.3 22.9

100 13.0 10.0 15.0

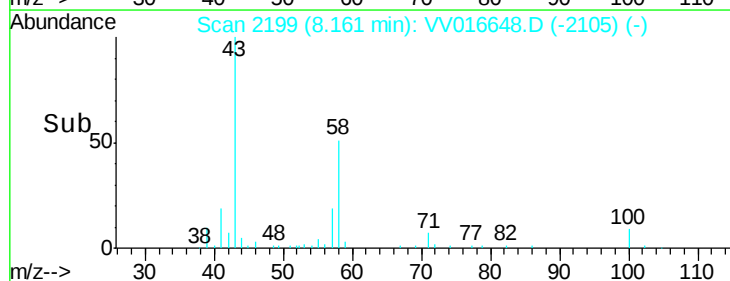
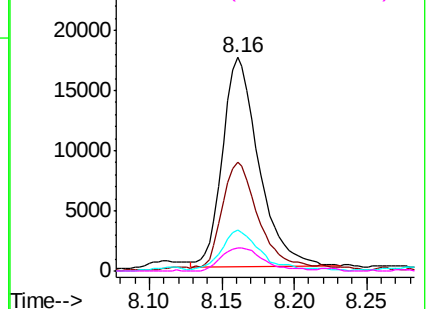


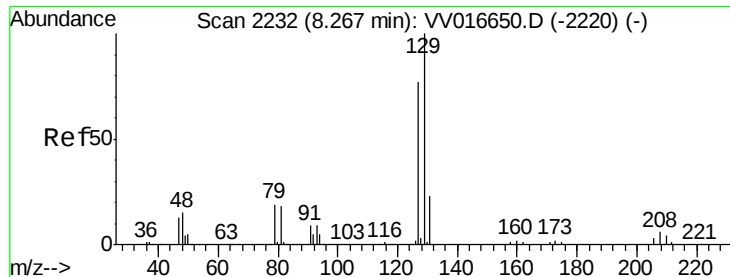
Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

Ion 100.00 (99.70 to 100.70): VV0





#49

Dibromochloromethane

Concen: 4.776 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

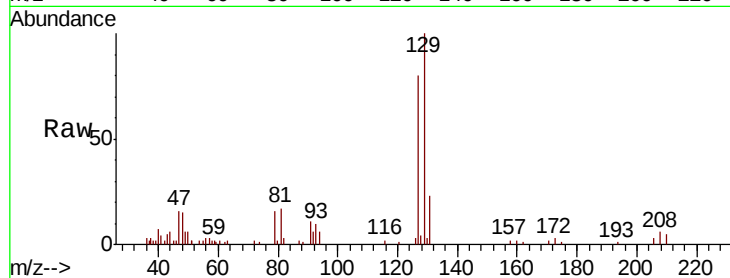
VSTD00563

Tot Ion:129 Resp: 13967

Ion Ratio Lower Upper

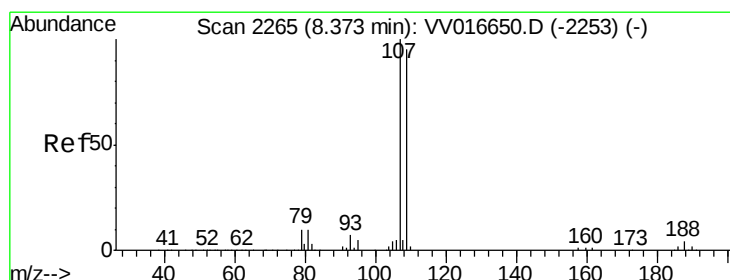
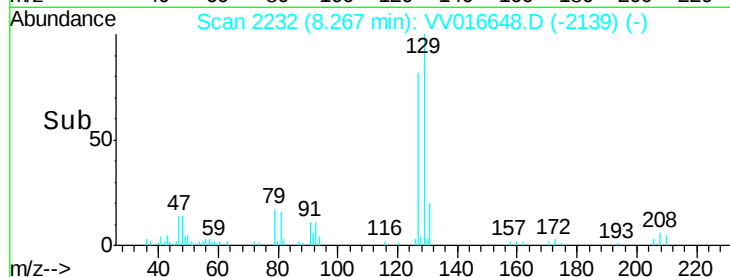
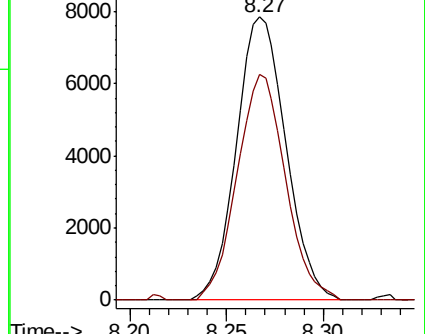
129 100

127 79.6 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#50

1,2-Dibromoethane

Concen: 4.751 ug/L

RT: 8.38 min Scan# 2266

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

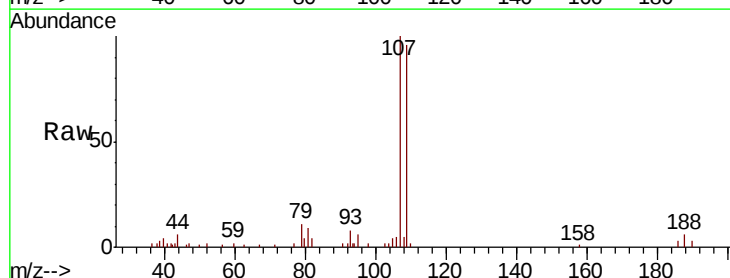
Tgt Ion:107 Resp: 14747

Ion Ratio Lower Upper

107 100

109 95.9 66.4 123.2

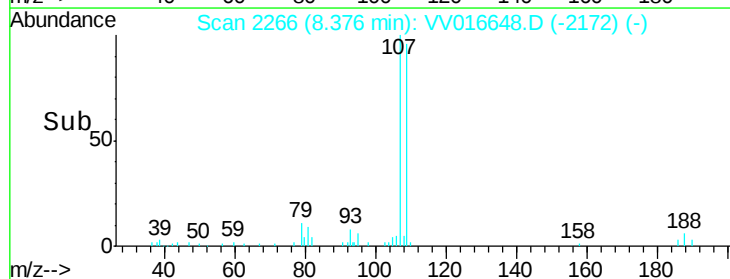
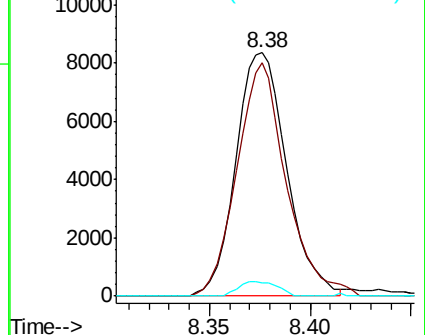
188 5.5 3.1 4.7#

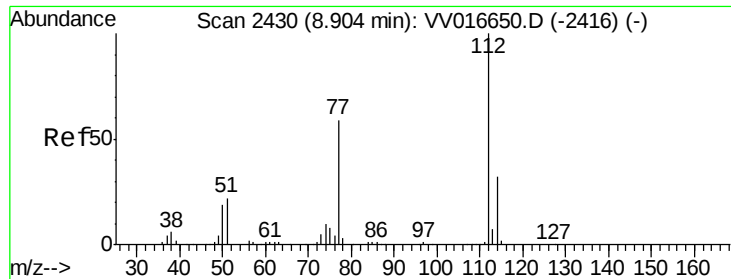


Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V





#51

Chlorobenzene

Concen: 4.903 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

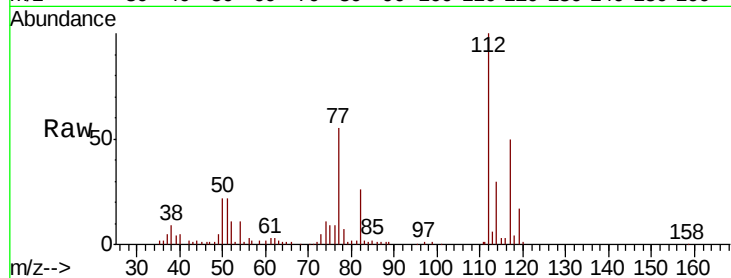
Tot Ion:112 Resp: 39777

Ion Ratio Lower Upper

112 100

114 30.3 22.3 41.3

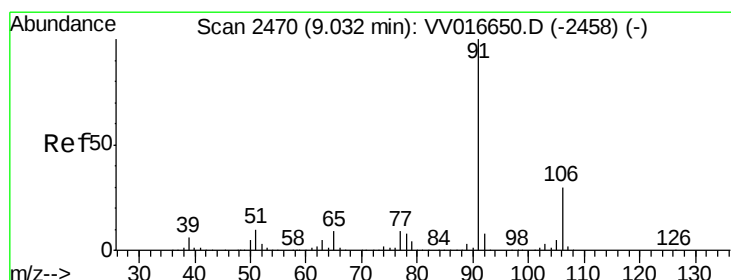
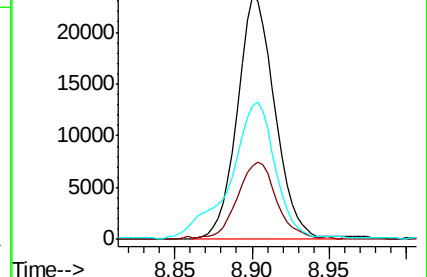
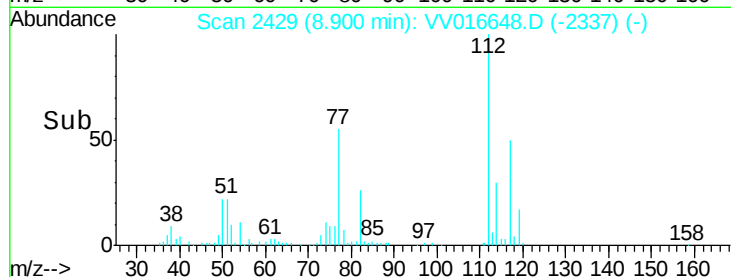
77 55.1 47.9 71.9



Abundance Ion 112.00 (111.70 to 112.70): V

Ion 114.00 (113.70 to 114.70): V

Ion 77.00 (76.70 to 77.70): V



#52

Ethylbenzene

Concen: 4.686 ug/L

RT: 9.04 min Scan# 2471

Delta R.T. 0.00 min

Lab File: VV016648.D

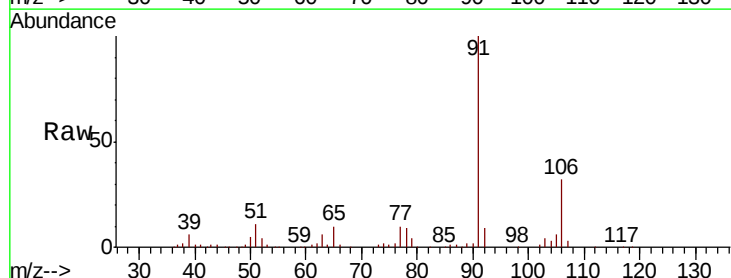
Acq: 08 Jun 2020 10:13

Tgt Ion: 91 Resp: 63448

Ion Ratio Lower Upper

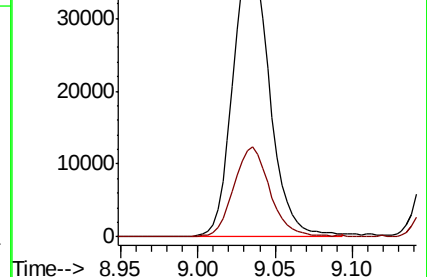
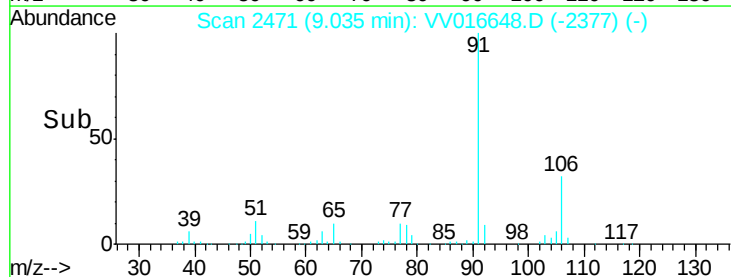
91 100

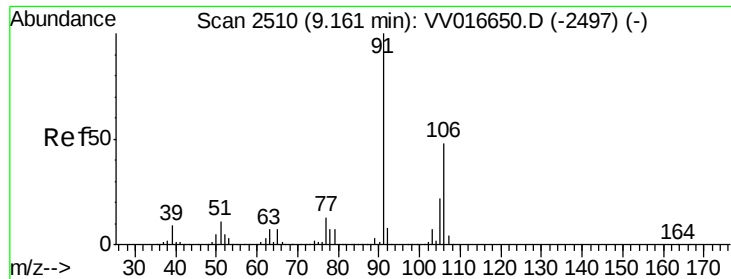
106 31.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): V

Ion 106.00 (105.70 to 106.70): V





#53

m,p-Xylene

Concen: 4.622 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

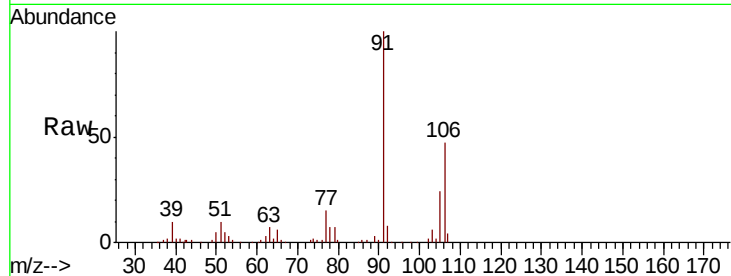
VSTD00563

Tot Ion:106 Resp: 23546

Ion Ratio Lower Upper

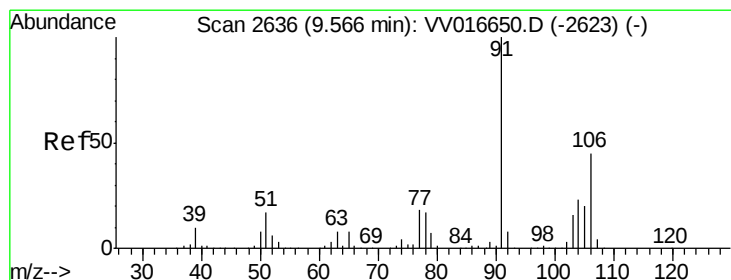
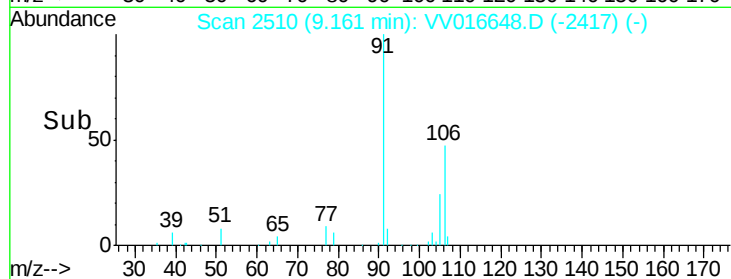
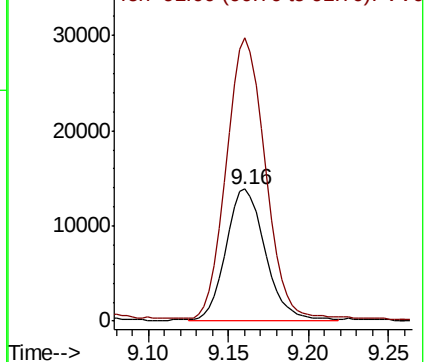
106 100

91 214.0 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#54

o-xylene

Concen: 4.746 ug/L

RT: 9.57 min Scan# 2636

Delta R.T. -0.00 min

Lab File: VV016648.D

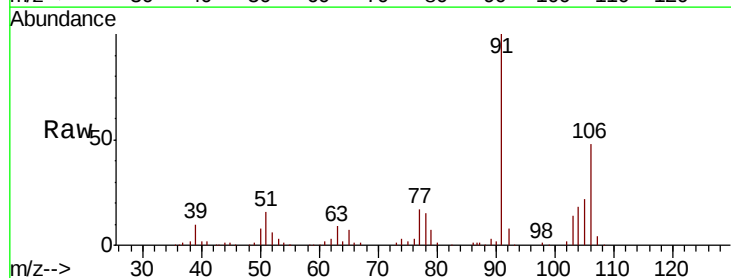
Acq: 08 Jun 2020 10:13

Tgt Ion:106 Resp: 23407

Ion Ratio Lower Upper

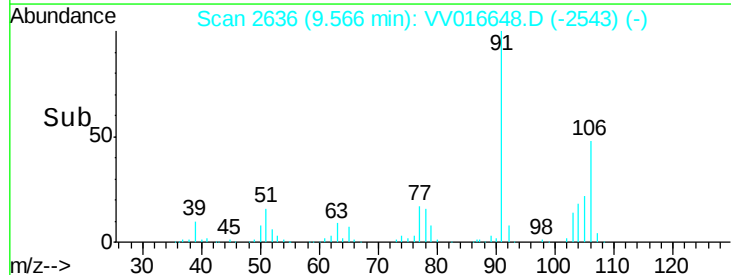
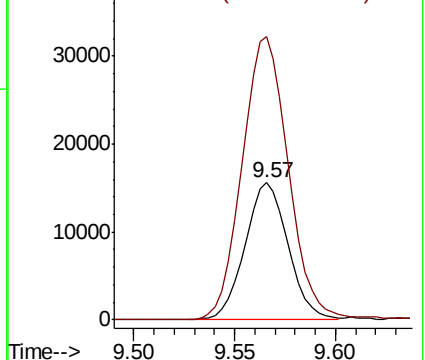
106 100

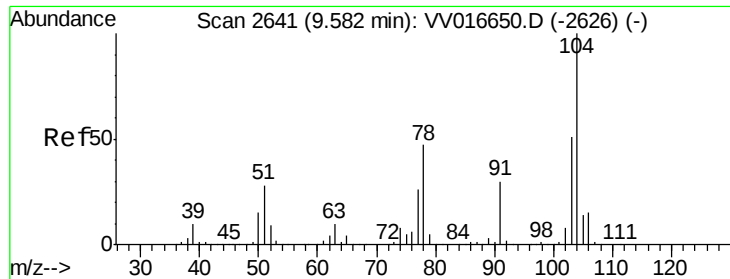
91 206.4 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

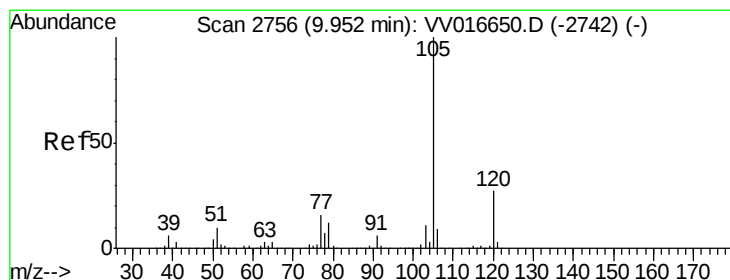
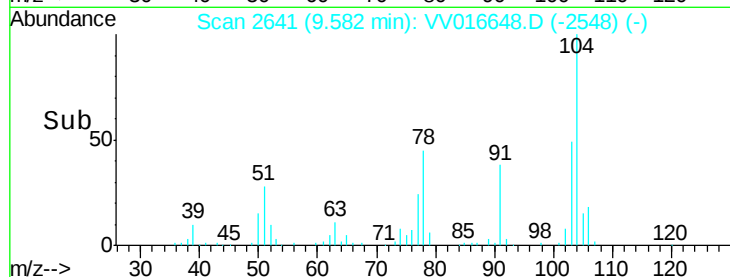
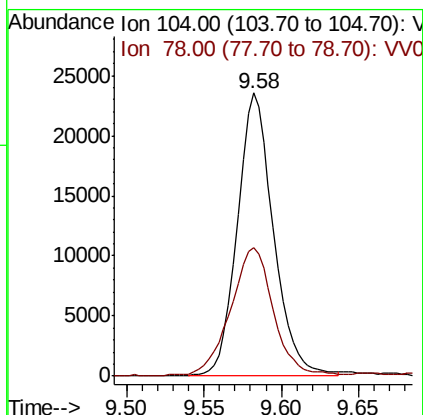
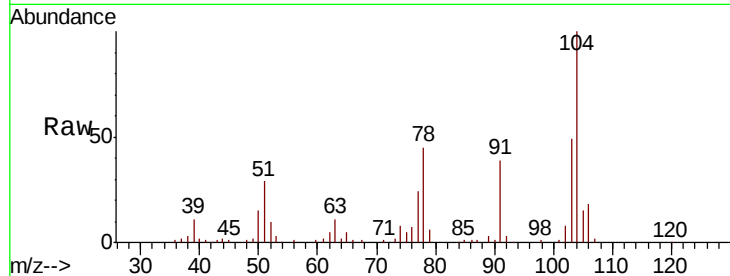




#55
Stvrene
Concen: 4.454 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

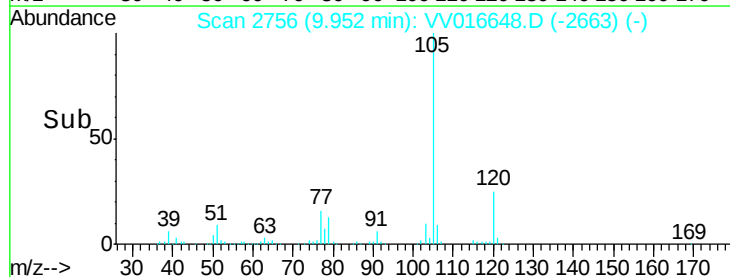
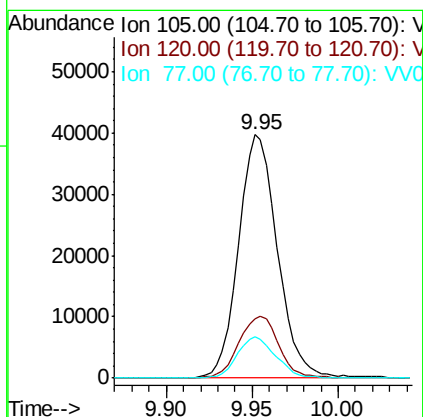
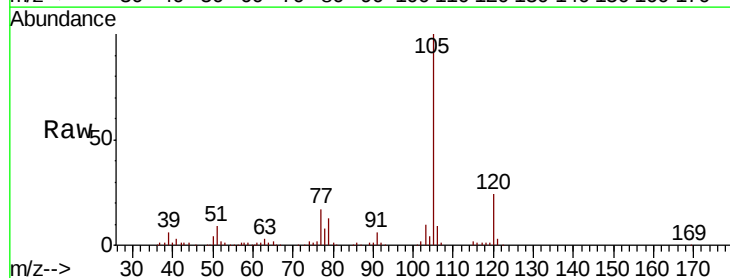
Instrument :
MSVOA_V
ClientSampleId :
VSTD00563

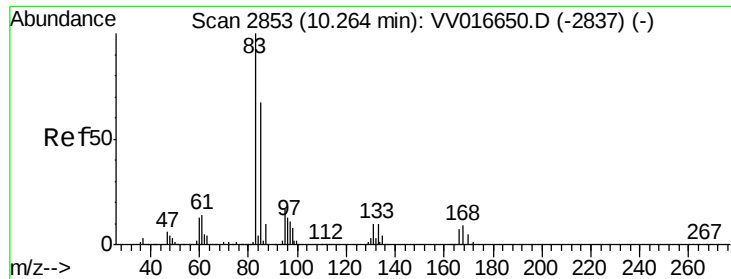
Tot Ion:104 Resp: 38234
Ion Ratio Lower Upper
104 100
78 45.4 32.6 60.6



#56
Isopropylbenzene
Concen: 4.816 ug/L
RT: 9.95 min Scan# 2756
Delta R.T. -0.00 min
Lab File: VV016648.D
Acq: 08 Jun 2020 10:13

Tgt Ion:105 Resp: 62292
Ion Ratio Lower Upper
105 100
120 26.2 21.2 31.8
77 16.9 13.0 19.4





#58

1,1,2,2-Tetrachloroethane

Concen: 4.628 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

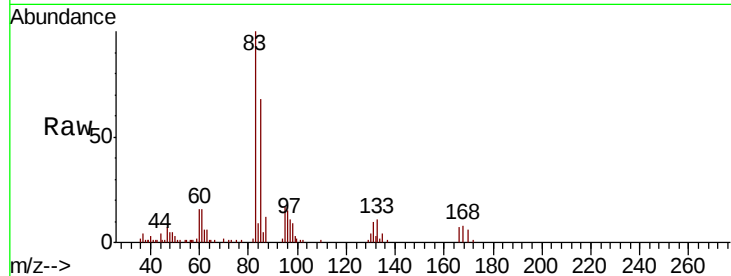
Tot Ion: 83 Resp: 21701

Ion Ratio Lower Upper

83 100

85 68.3 46.8 86.8

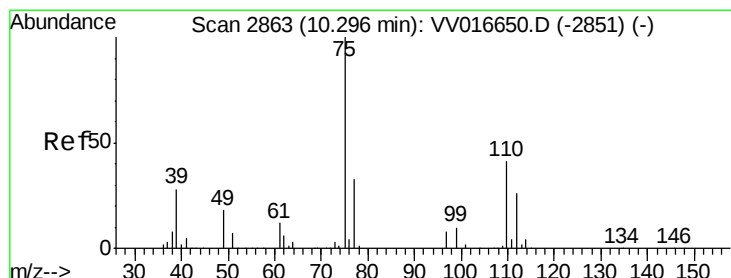
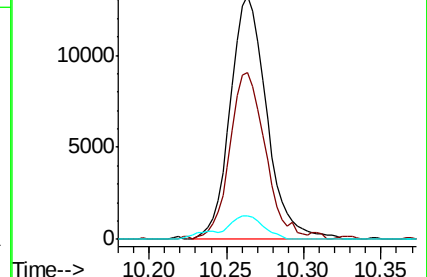
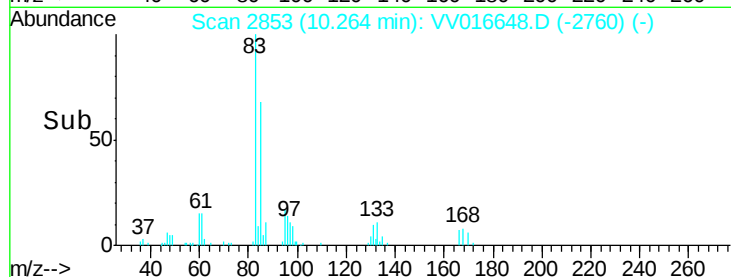
131 9.8 7.9 11.9



Abundance Ion 83.00 (82.70 to 83.70): VV016648.D (-2760) (-)

Ion 85.00 (84.70 to 85.70): VV016648.D (-2760) (-)

Ion 131.00 (130.70 to 131.70): VV016648.D (-2760) (-)



#59

1,2,3-Trichloropropane

Concen: 5.021 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016648.D

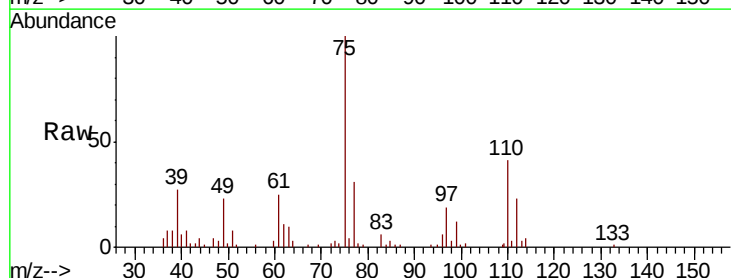
Acq: 08 Jun 2020 10:13

Tgt Ion: 75 Resp: 19152

Ion Ratio Lower Upper

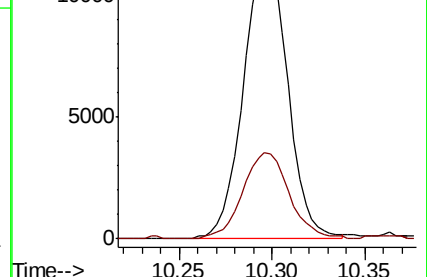
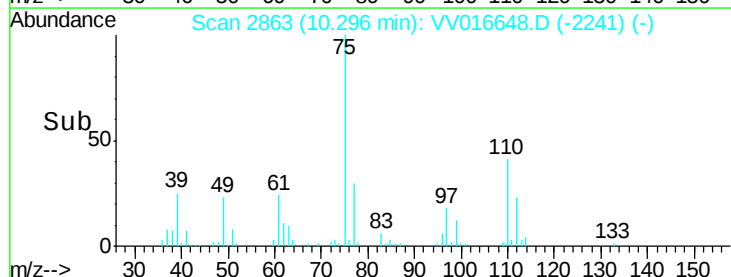
75 100

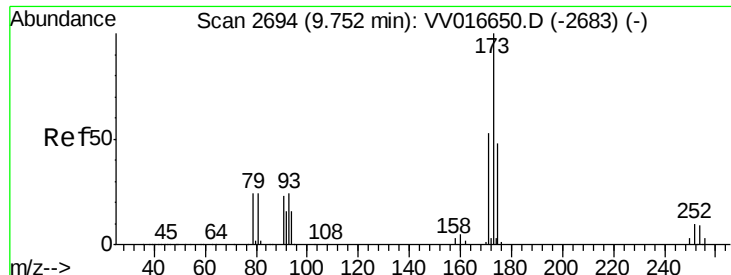
77 32.2 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016648.D (-2241) (-)

Ion 77.00 (76.70 to 77.70): VV016648.D (-2241) (-)





#61

Bromoform

Concen: 4.860 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

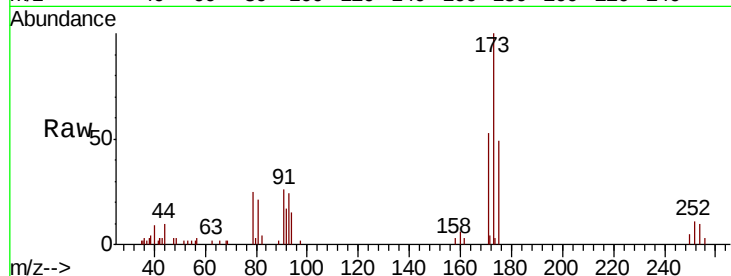
Tot Ion:173 Resp: 8543

Ion Ratio Lower Upper

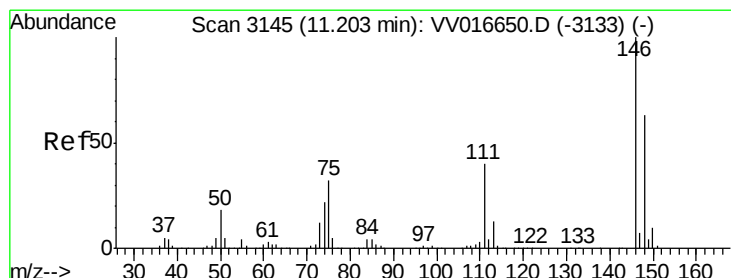
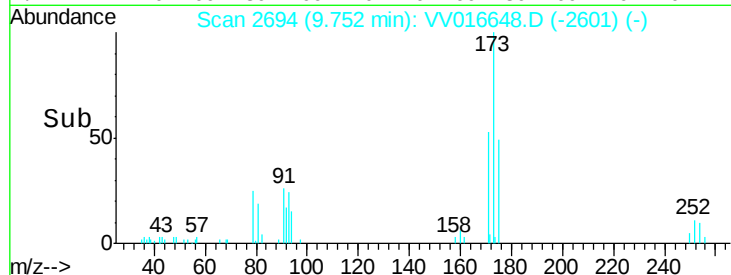
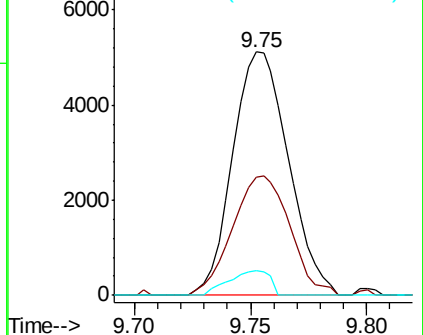
173 100

175 50.6 39.0 58.4

254 7.5 7.6 11.4#



Abundance Ion 173.00 (172.70 to 173.70): V
Ion 175.00 (174.70 to 175.70): V
Ion 254.00 (253.70 to 254.70): V



#62

1,3-Dichlorobenzene

Concen: 5.093 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

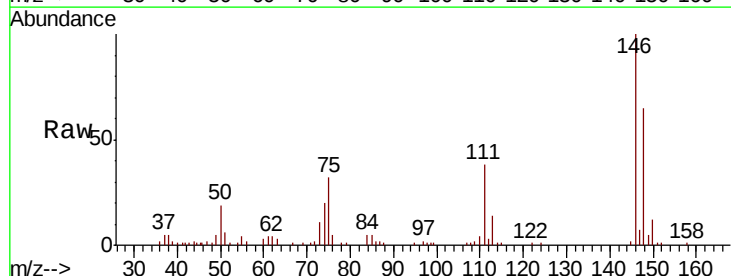
Tgt Ion:146 Resp: 31473

Ion Ratio Lower Upper

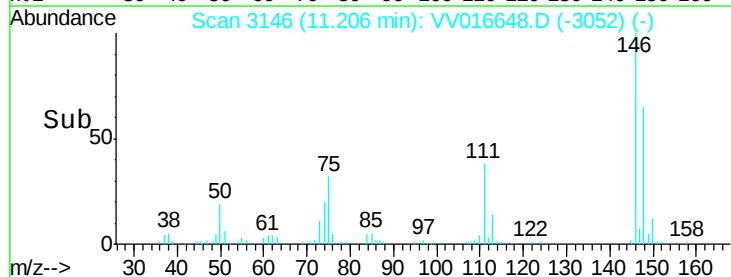
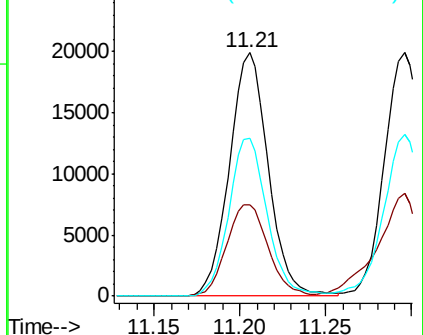
146 100

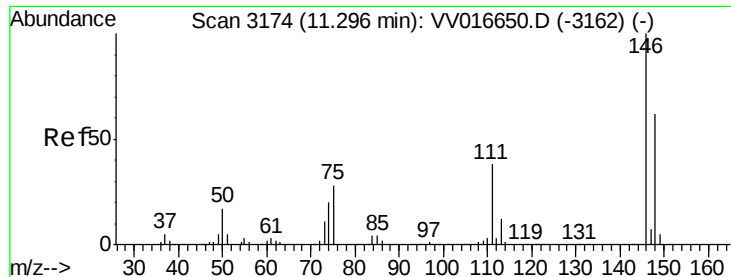
111 37.7 28.3 52.7

148 65.0 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V
Ion 111.00 (110.70 to 111.70): V
Ion 148.00 (147.70 to 148.70): V

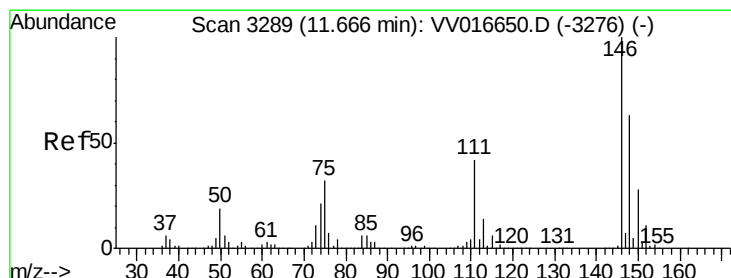
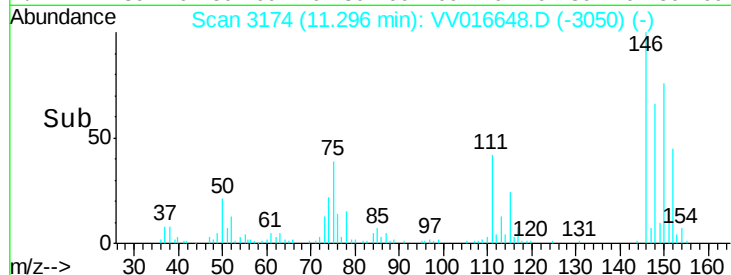
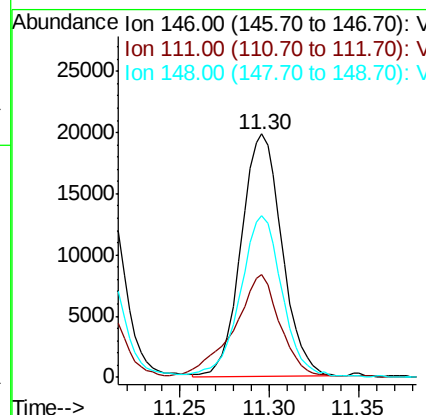
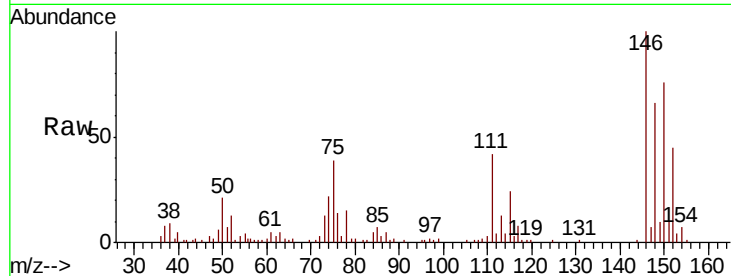




#63
 1,4-Dichlorobenzene
 Concen: 4.959 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

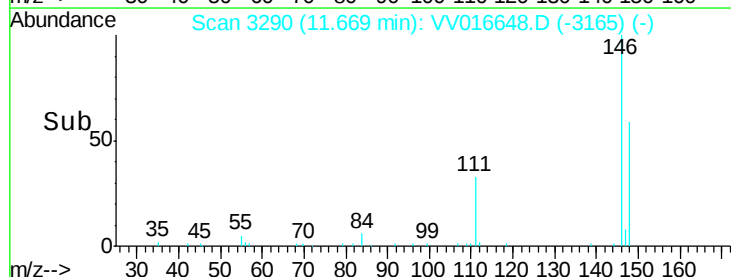
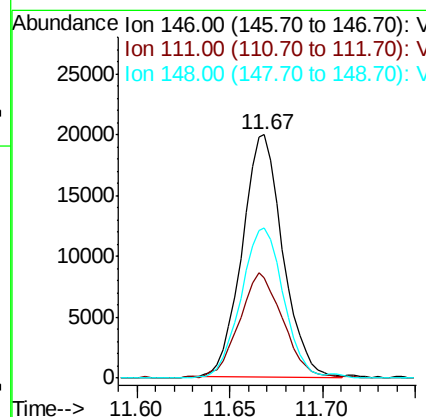
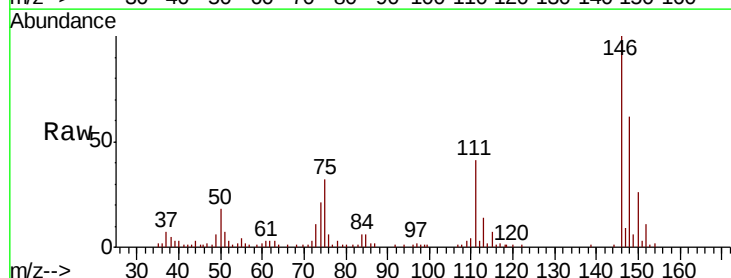
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

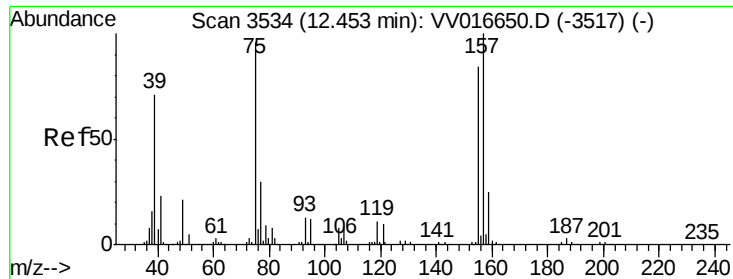
Tot Ion:146 Resp: 31670
 Ion Ratio Lower Upper
 146 100
 111 42.1 26.7 49.7
 148 66.3 43.5 80.9



#65
 1,2-Dichlorobenzene
 Concen: 4.882 ug/L
 RT: 11.67 min Scan# 3290
 Delta R.T. 0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Tgt Ion:146 Resp: 30453
 Ion Ratio Lower Upper
 146 100
 111 41.1 33.7 50.5
 148 61.7 50.7 76.1

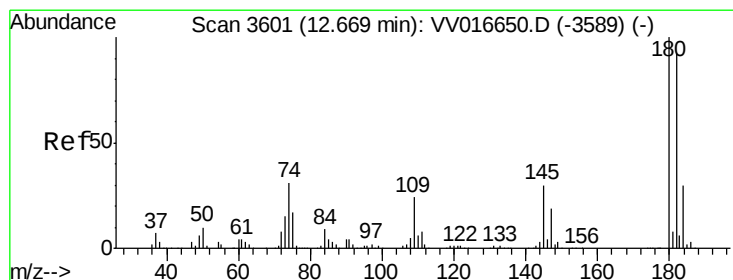
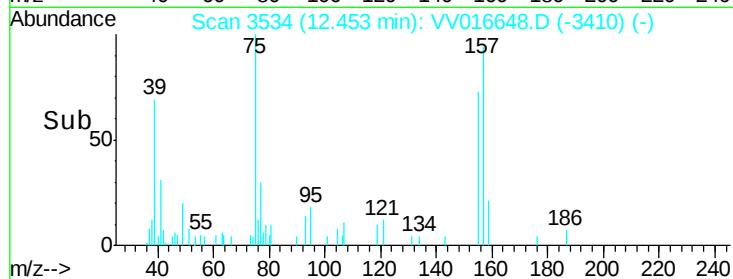
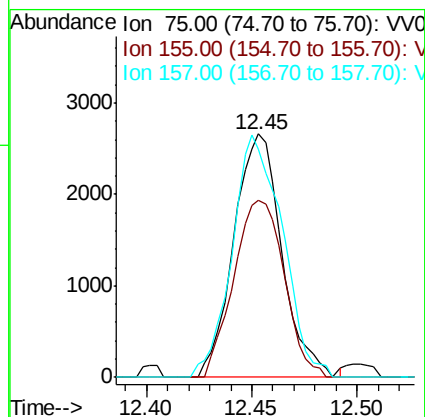
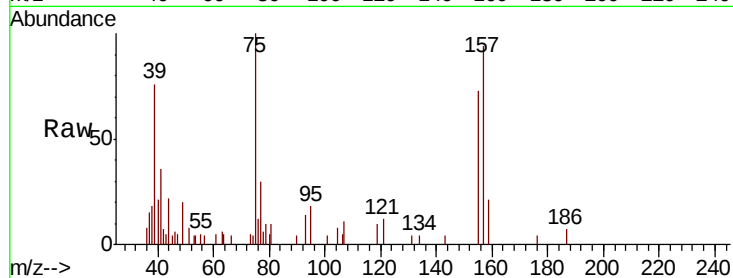




#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.388 ug/L
 RT: 12.45 min Scan# 3534
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

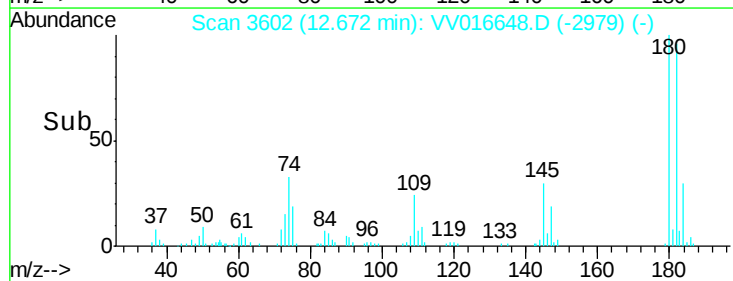
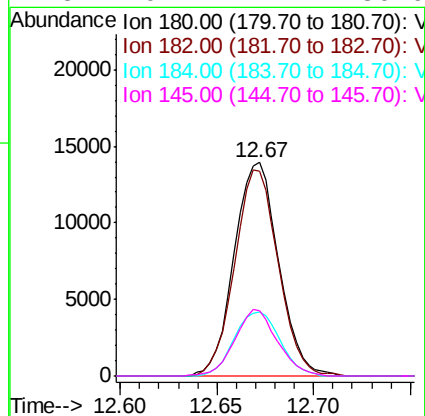
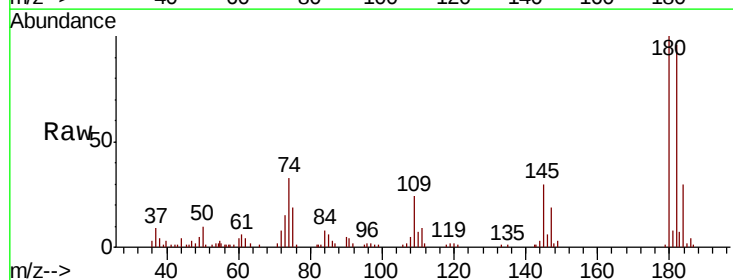
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

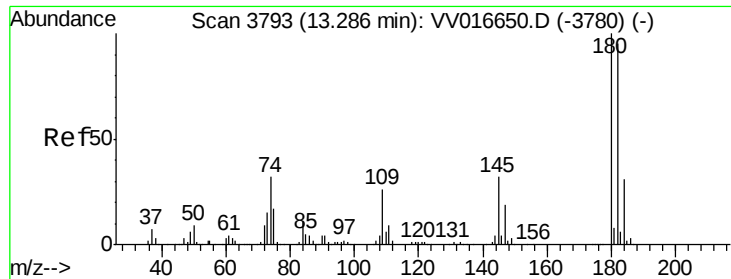
Tot Ion: 75 Resp: 4217
 Ion Ratio Lower Upper
 75 100
 155 72.6 69.8 104.6
 157 93.8 83.4 125.2



#67
 1,3,5-Trichlorobenzene
 Concen: 5.260 ug/L
 RT: 12.67 min Scan# 3602
 Delta R.T. 0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Tgt Ion: 180 Resp: 22303
 Ion Ratio Lower Upper
 180 100
 182 94.4 75.0 112.6
 184 31.0 24.5 36.7
 145 29.7 24.4 36.6





#68

1,2,4-trichlorobenzene

Concen: 4.940 ug/L

RT: 13.29 min Scan# 3793

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

Instrument :

MSVOA_V

ClientSampleId :

VSTD00563

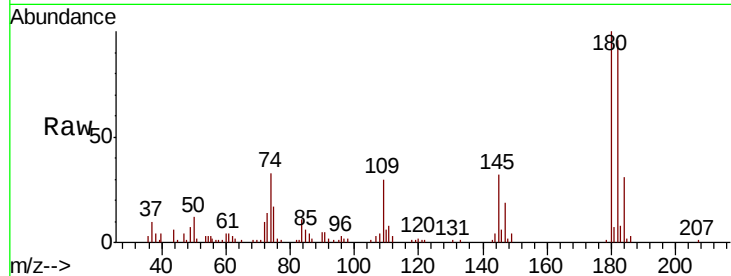
Tot Ion:180 Resp: 19452

Ion Ratio Lower Upper

180 100

182 99.2 76.9 115.3

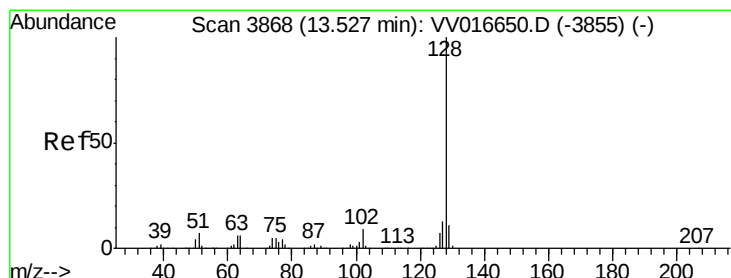
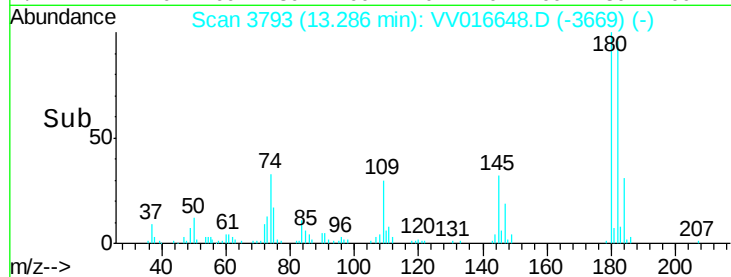
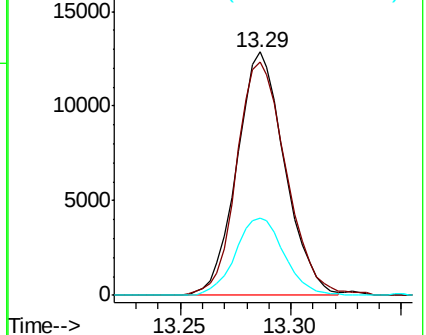
145 32.2 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V



#69

Naphthalene

Concen: 4.339 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016648.D

Acq: 08 Jun 2020 10:13

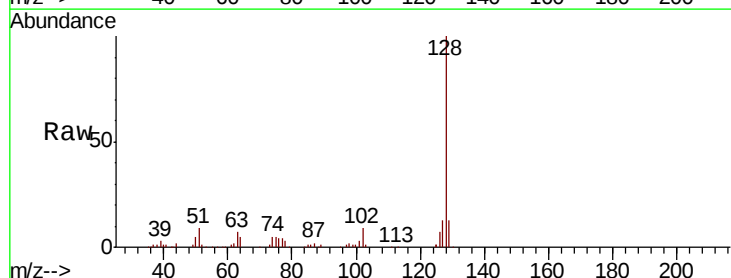
Tgt Ion:128 Resp: 52170

Ion Ratio Lower Upper

128 100

127 12.8 10.5 15.7

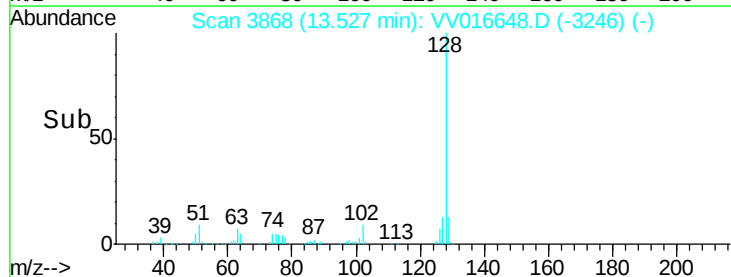
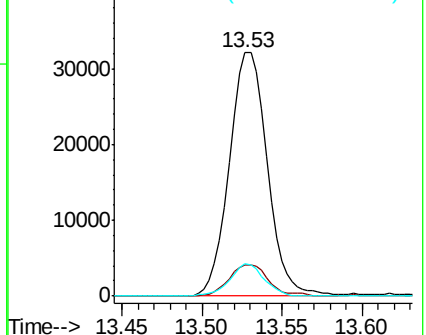
129 11.9 8.7 13.1

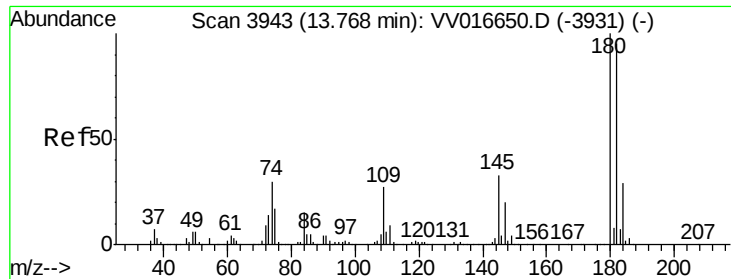


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#70
 1,2,3-Trichlorobenzene
 Concen: 5.249 ug/L
 RT: 13.77 min Scan# 3943
 Delta R.T. -0.00 min
 Lab File: VV016648.D
 Acq: 08 Jun 2020 10:13

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00563

Tot Ion:	180	Resp:	19835
Ion	Ratio	Lower	Upper
180	100		
182	93.8	76.5	114.7
145	33.5	26.1	39.1

