

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016651.D
 Acq On : 08 Jun 2020 11:26
 Operator : SY/MD
 Sample : VSTD10066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

Quant Time: Jun 09 00:30:52 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	386522	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	363764	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	191023	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	278460	100.38	ug/L	0.00
7) Chloroethane-d5	1.56	69	183073	94.70	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	462936	95.01	ug/L	0.00
21) 2-Butanone-d5	3.89	46	426538	230.29	ug/L	0.00
24) Chloroform-d	4.37	84	578267	109.15	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.05	65	388051	109.17	ug/L	0.00
32) Benzene-d6	5.07	84	1092304	109.25	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	341869	109.25	ug/L	0.00
41) Toluene-d8	7.34	98	1012081	111.12	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	184339	120.35	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	324142	238.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	447021	105.71	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	416973	111.10	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.13	85	301003	92.022	ug/L	100
3) Chloromethane	1.25	50	272126	87.872	ug/L	100
5) Vinyl chloride	1.32	62	268755	88.669	ug/L	99
6) Bromomethane	1.51	94	104291	69.894	ug/L	99
8) Chloroethane	1.58	64	141017	85.227	ug/L	99
9) Trichlorofluoromethane	1.76	101	402458	91.647	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	201487	88.982	ug/L	99
12) 1,1-Dichloroethene	2.13	96	186285	86.239	ug/L	95
13) Acetone	2.17	43	265812	163.683	ug/L	100
14) Carbon disulfide	2.31	76	697773	92.485	ug/L	100
15) Methyl Acetate	2.44	43	290473	94.015	ug/L	100
16) Methylene chloride	2.52	84	267137	86.496	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	253694	91.866	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	858593	98.641	ug/L	100
19) 1,1-Dichloroethane	3.21	63	481012	93.411	ug/L	98
20) cis-1,2-Dichloroethene	3.93	96	281039	93.909	ug/L	99
22) 2-Butanone	3.98	43	429547	204.038	ug/L	100
23) Bromochloromethane	4.27	128	147885	95.786	ug/L	96
25) Chloroform	4.40	83	500490	93.196	ug/L	98
27) 1,2-Dichloroethane	5.15	62	417076	95.008	ug/L	97
29) Cyclohexane	4.70	56	447967	100.059	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	458982	99.851	ug/L	99
31) Carbon tetrachloride	4.85	117	401675	100.997	ug/L	100
33) Benzene	5.12	78	1045800	95.160	ug/L	100
34) Trichloroethene	5.94	95	279012	96.299	ug/L	99
35) Methylcyclohexane	6.15	83	449830	106.552	ug/L	99
37) 1,2-Dichloropropane	6.20	63	278080	97.091	ug/L	100
38) Bromodichloromethane	6.53	83	371356	99.951	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	447462	105.904	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	804826	201.433	ug/L	99

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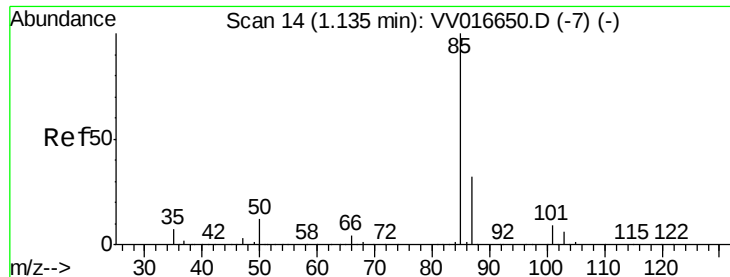
Instrument :
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Quant Time: Jun 09 00:30:52 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	1114796	95.880	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	444495	106.839	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	266622	96.368	ug/L	98
46) Tetrachloroethene	8.00	164	221639	98.891	ug/L	98
48) 2-Hexanone	8.16	43	635130	204.704	ug/L	99
49) Dibromochloromethane	8.27	129	296677	107.718	ug/L	100
50) 1,2-Dibromoethane	8.37	107	280042	95.797	ug/L	98
51) Chlorobenzene	8.90	112	720953	94.372	ug/L	99
52) Ethylbenzene	9.03	91	1256127	98.522	ug/L	98
53) m,p-Xylene	9.16	106	474392	98.881	ug/L	99
54) o-xylene	9.56	106	458562	98.743	ug/L	100
55) Styrene	9.58	104	795013	98.346	ug/L	100
56) Isopropylbenzene	9.95	105	1247326	102.398	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	406415	92.030	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	338620	94.277	ug/L	98
61) Bromoform	9.75	173	209712	120.074	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	588993	95.911	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	591659	93.238	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	595458	96.075	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	100215	104.943	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	461376	109.514	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	429363	109.734	ug/L	99
69) Naphthalene	13.53	128	1256997	105.203	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	415058	110.545	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 92.022 ug/L

RT: 1.13 min Scan# 13

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

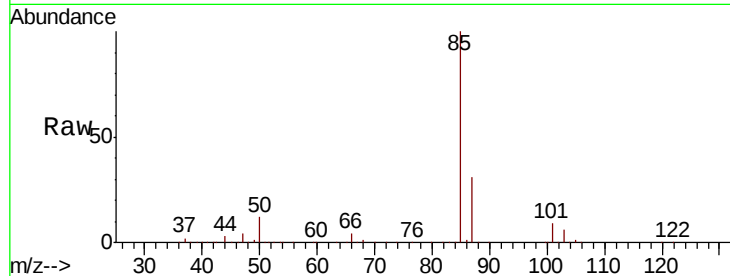
VSTD10066

Tot Ion: 85 Resp: 301003

Ion Ratio Lower Upper

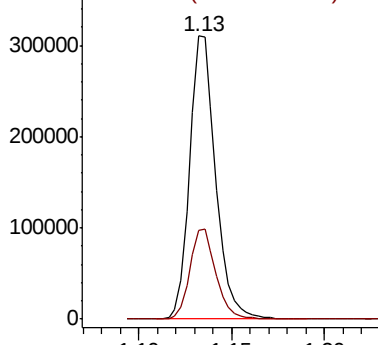
85 100

87 31.9 25.6 38.4

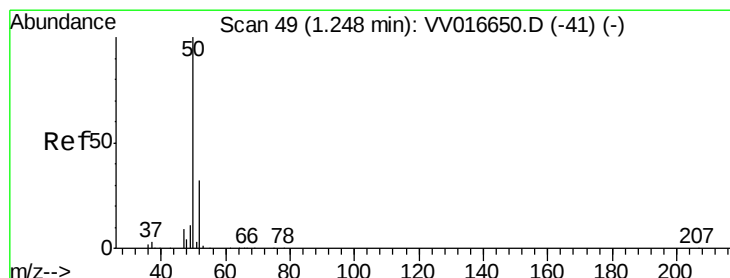
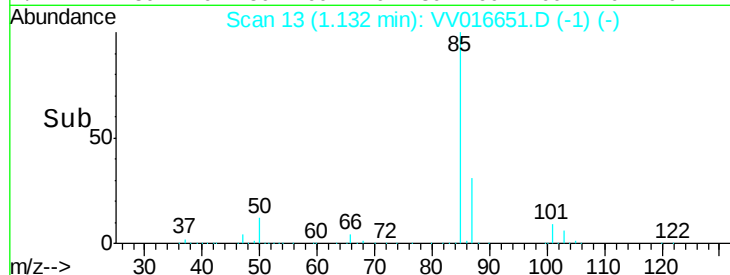


Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



Time-->



#3

Chloromethane

Concen: 87.872 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV016651.D

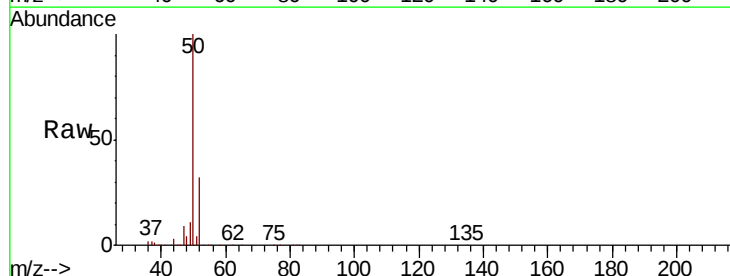
Acq: 08 Jun 2020 11:26

Tgt Ion: 50 Resp: 272126

Ion Ratio Lower Upper

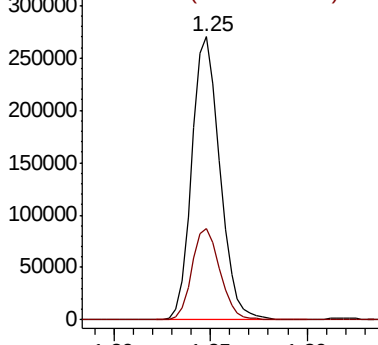
50 100

52 32.3 22.5 41.7

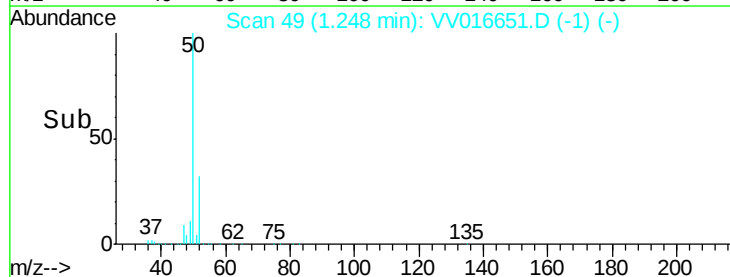


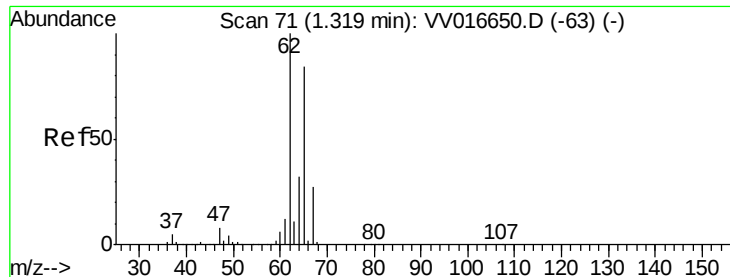
Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0



Time-->





#5

Vinyl chloride

Concen: 88.669 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

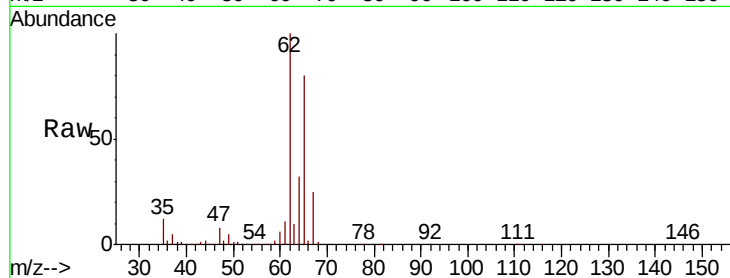
VSTD10066

Tot Ion: 62 Resp: 268755

Ion Ratio Lower Upper

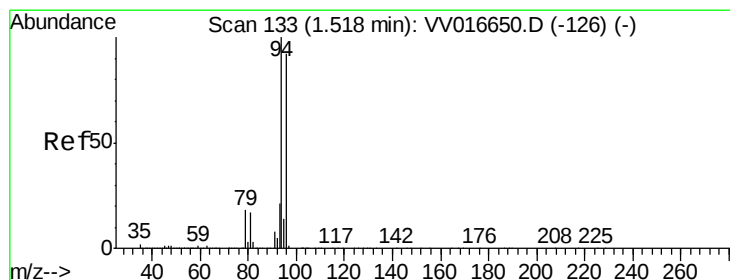
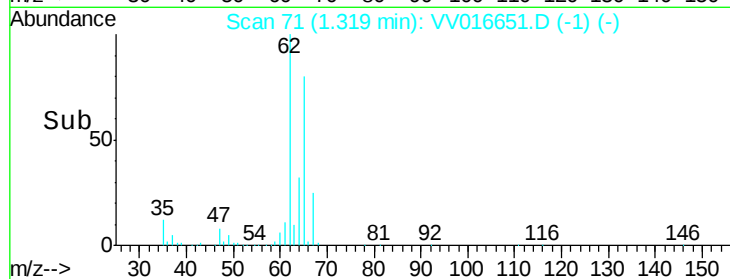
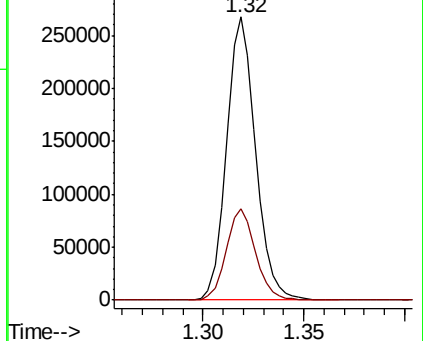
62 100

64 32.4 22.3 41.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 69.894 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV016651.D

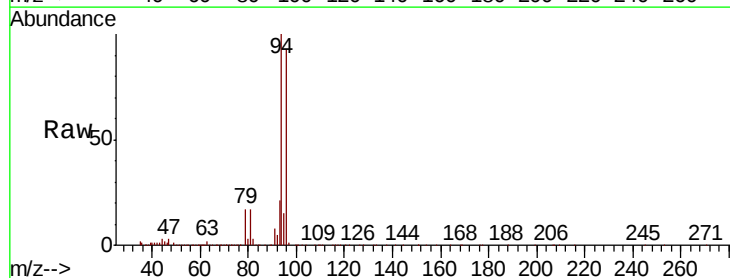
Acq: 08 Jun 2020 11:26

Tgt Ion: 94 Resp: 104291

Ion Ratio Lower Upper

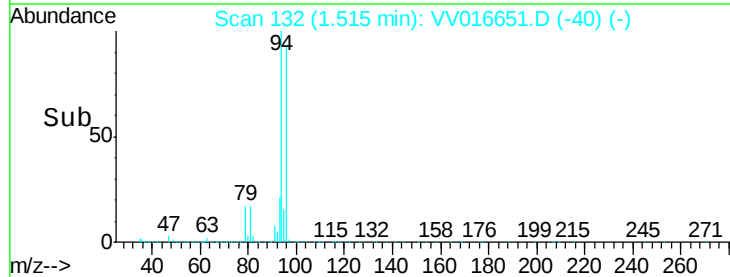
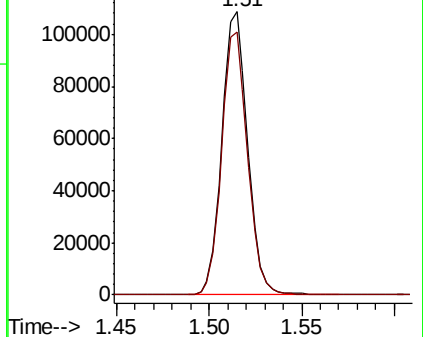
94 100

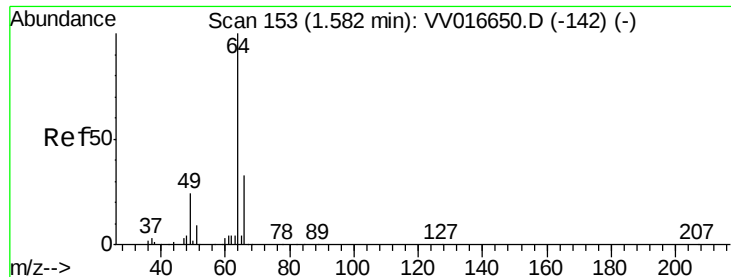
96 92.9 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

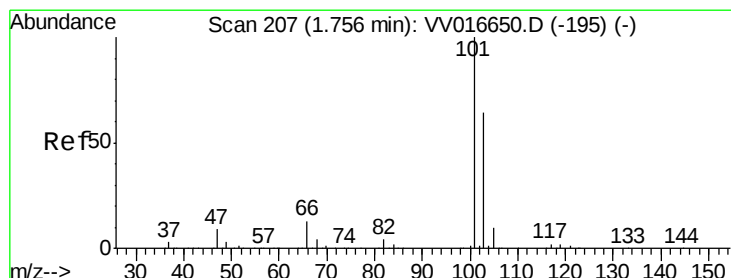
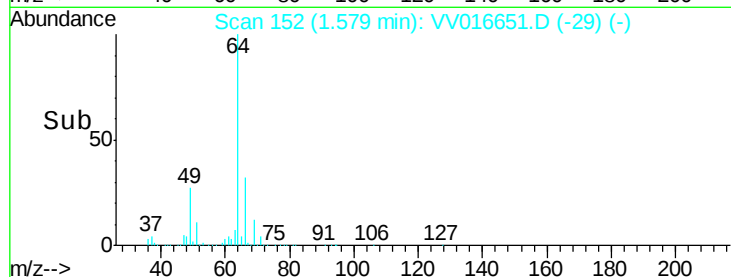
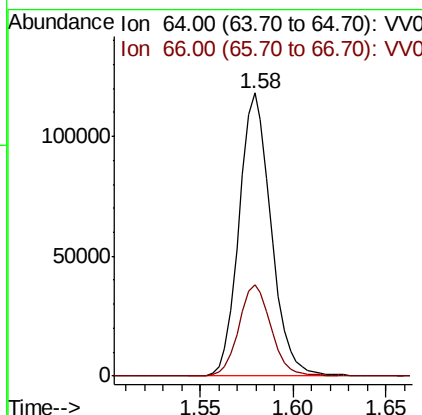
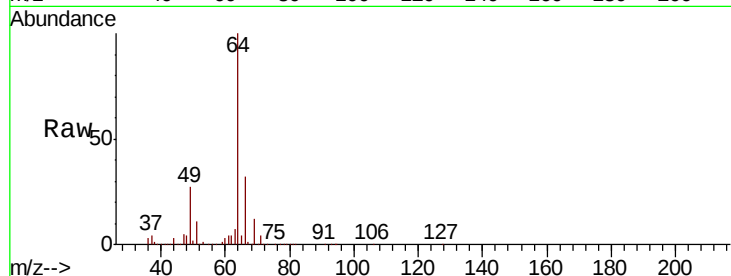




#8
Chloroethane
Concen: 85.227 ug/L
RT: 1.58 min Scan# 152
Delta R.T. -0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

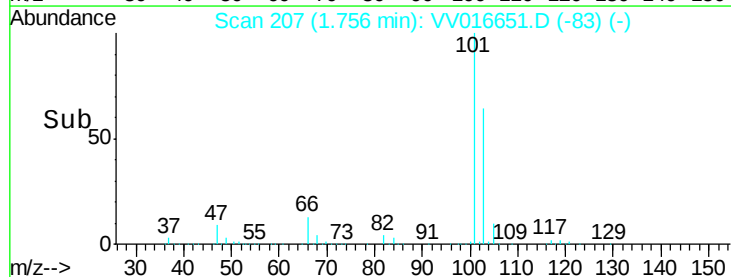
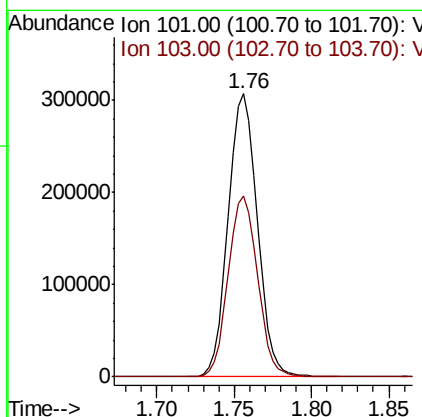
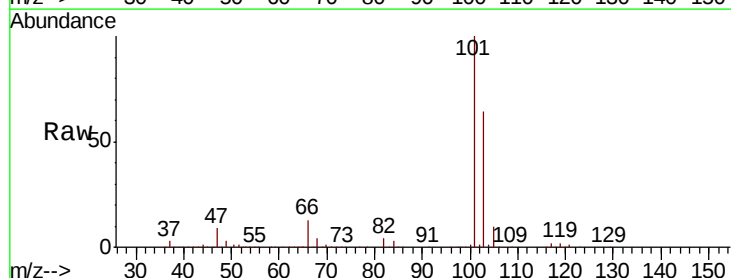
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

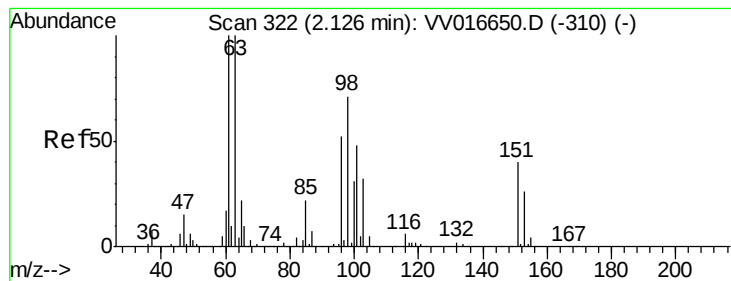
Tot Ion: 64 Resp: 141017
Ion Ratio Lower Upper
64 100
66 32.4 23.2 43.0



#9
Trichlorofluoromethane
Concen: 91.647 ug/L
RT: 1.76 min Scan# 207
Delta R.T. 0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

Tgt Ion: 101 Resp: 402458
Ion Ratio Lower Upper
101 100
103 64.3 51.3 76.9





#10

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

Concen: 88.982 ug/L

RT: 2.13 min Scan# 322

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

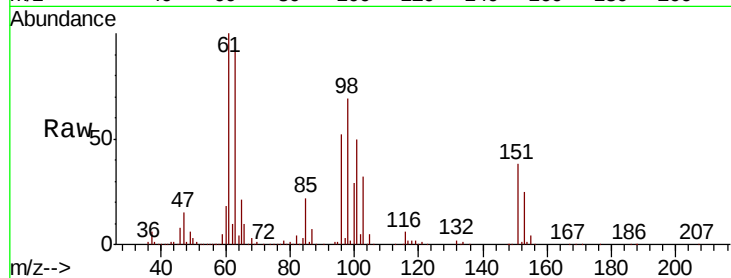
Tot Ion:101 Resp: 201487

Ion Ratio Lower Upper

101 100

85 43.7 35.5 53.3

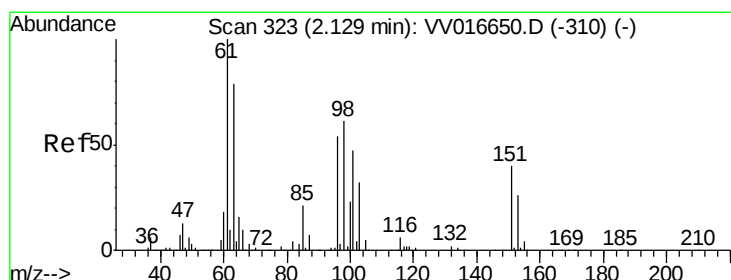
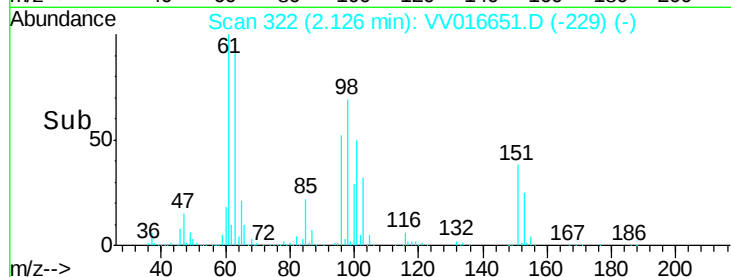
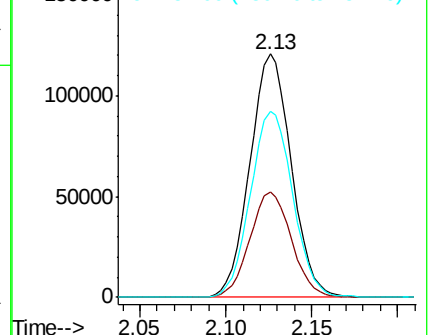
151 78.7 63.9 95.9



Abundance Ion 101.00 (100.70 to 101.70): VV016651.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016651.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016651.D (-229) (-)



#12

1,1-Dichloroethene

Concen: 86.239 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

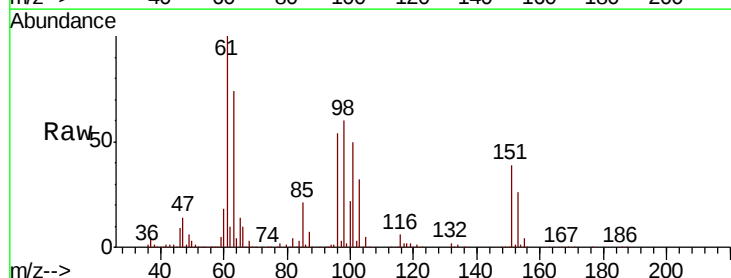
Tgt Ion: 96 Resp: 186285

Ion Ratio Lower Upper

96 100

61 184.1 130.4 242.2

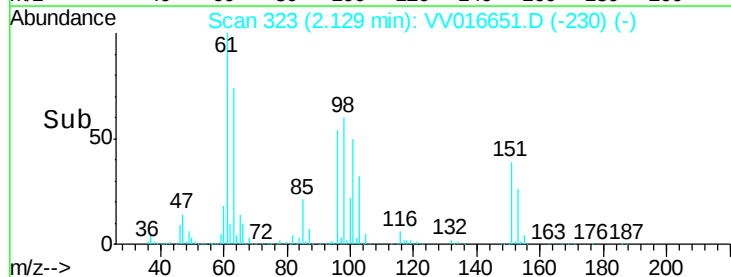
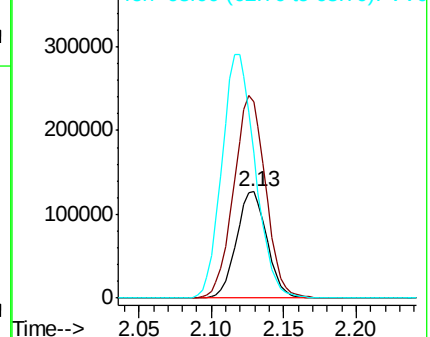
63 135.6 103.3 191.9

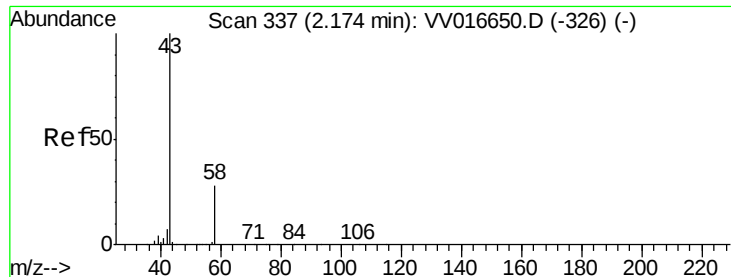


Abundance Ion 96.00 (95.70 to 96.70): VV016651.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016651.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016651.D (-230) (-)





#13

Acetone

Concen: 163.683 ug/L

RT: 2.17 min Scan# 336

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

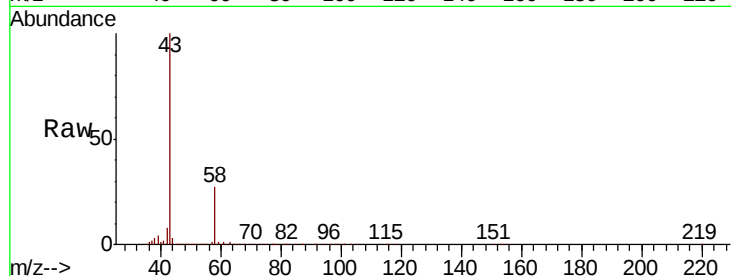
VSTD10066

Tot Ion: 43 Resp: 265812

Ion Ratio Lower Upper

43 100

58 27.6 0.0 55.2



Abundance Ion 43.00 (42.70 to 43.70): VV016651.D (-244) (-)

Ion 58.00 (57.70 to 58.70): VV016651.D (-244) (-)

2.17

150000

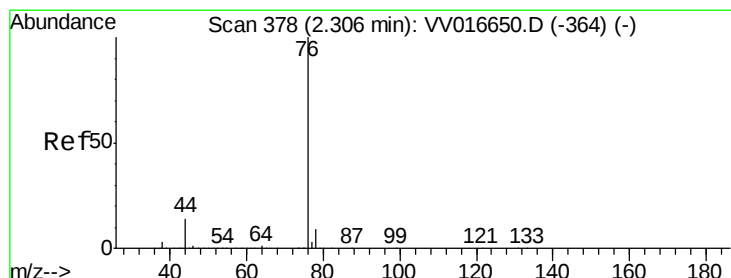
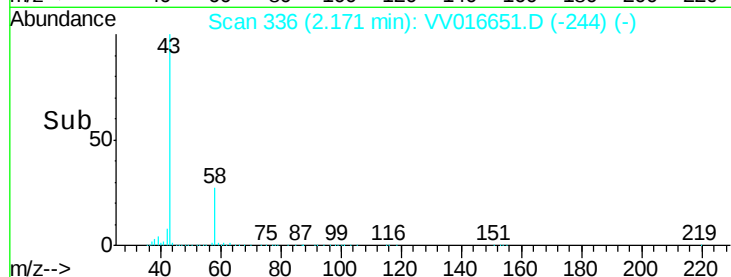
100000

50000

0

Time-->

2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 92.485 ug/L

RT: 2.31 min Scan# 378

Delta R.T. 0.00 min

Lab File: VV016651.D

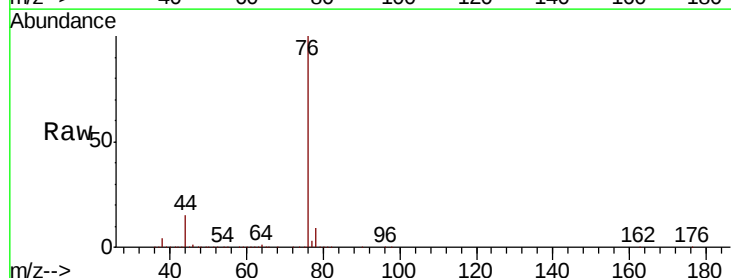
Acq: 08 Jun 2020 11:26

Tgt Ion: 76 Resp: 697773

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.0



Abundance Ion 76.00 (75.70 to 76.70): VV016651.D (-285) (-)

Ion 78.00 (77.70 to 78.70): VV016651.D (-285) (-)

2.31

500000

400000

300000

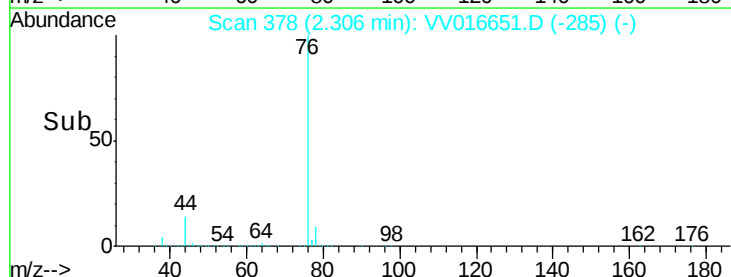
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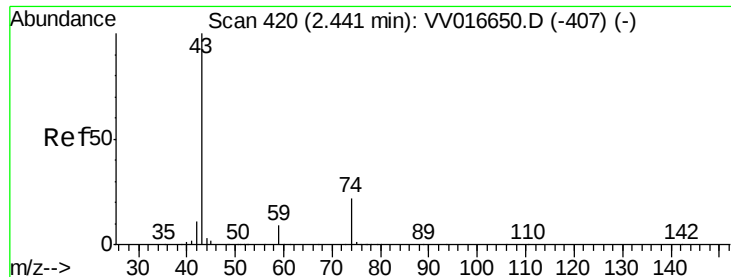
100000

0

Time-->

2.25 2.30 2.35 2.40

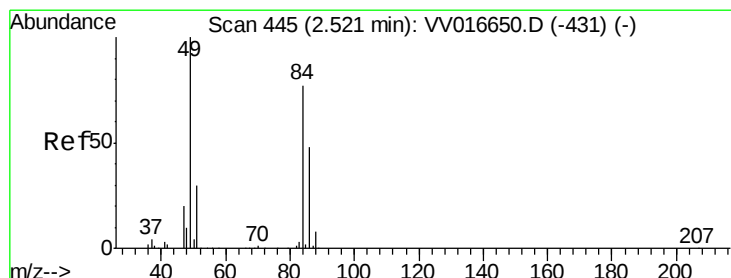
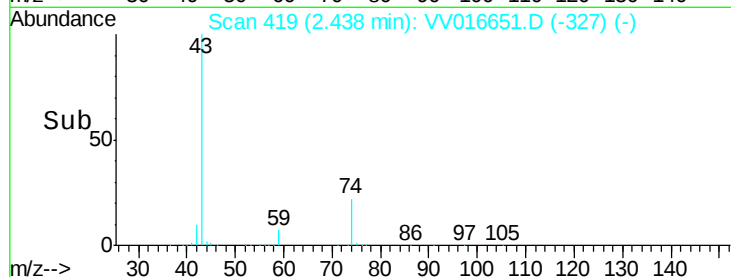
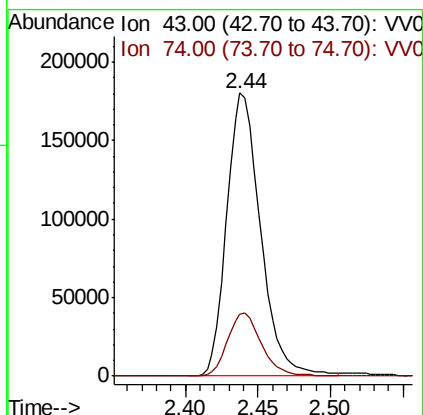
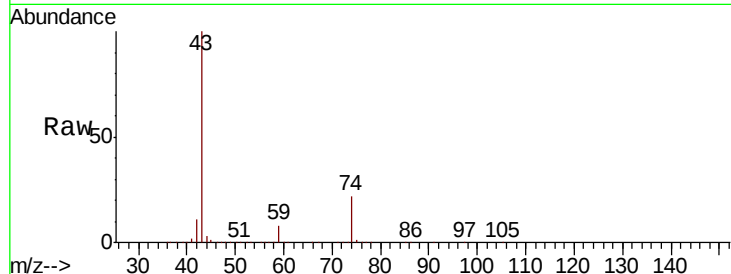




#15
Methvl Acetate
Concen: 94.015 ug/L
RT: 2.44 min Scan# 419
Delta R.T. -0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

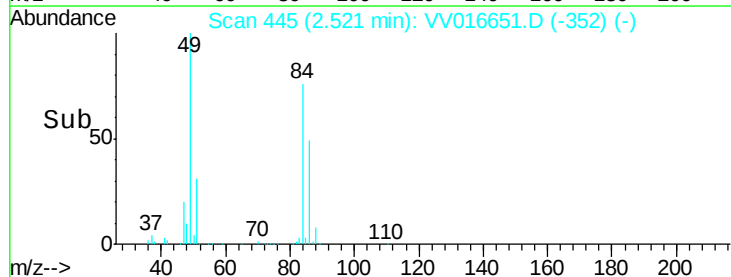
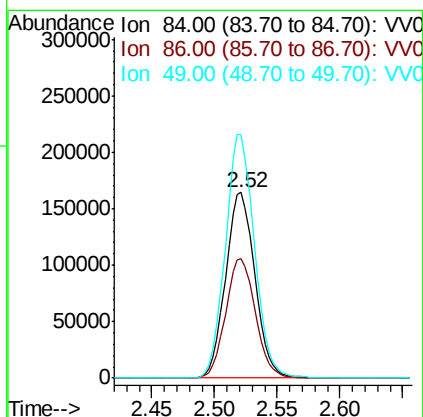
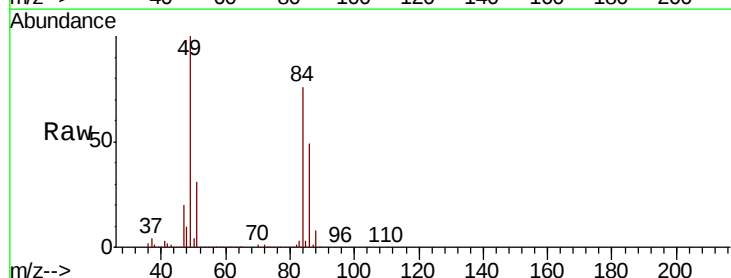
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

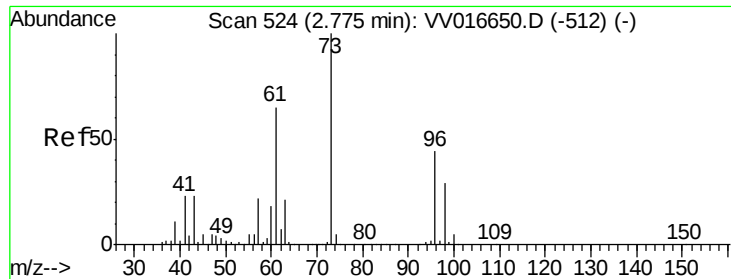
Tot Ion: 43 Resp: 290473
Ion Ratio Lower Upper
43 100
74 22.4 17.9 26.9



#16
Methylene chloride
Concen: 86.496 ug/L
RT: 2.52 min Scan# 445
Delta R.T. 0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

Tgt Ion: 84 Resp: 267137
Ion Ratio Lower Upper
84 100
86 64.7 44.0 81.8
49 131.1 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 91.866 ug/L

RT: 2.78 min Scan# 524

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

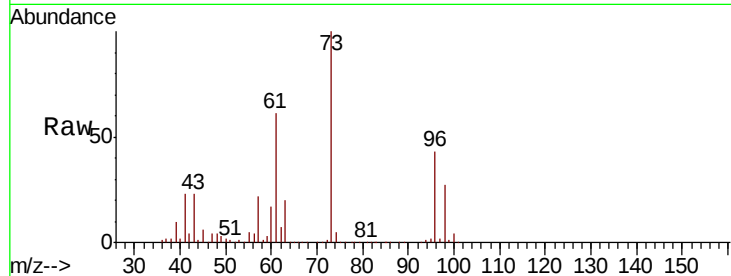
Tot Ion: 96 Resp: 253694

Ion Ratio Lower Upper

96 100

61 142.0 102.9 191.1

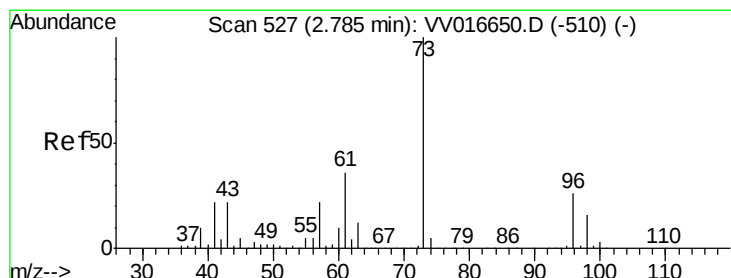
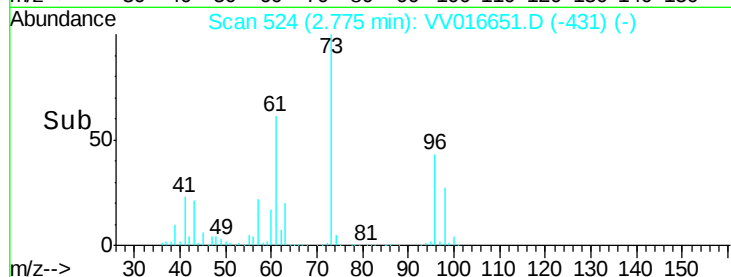
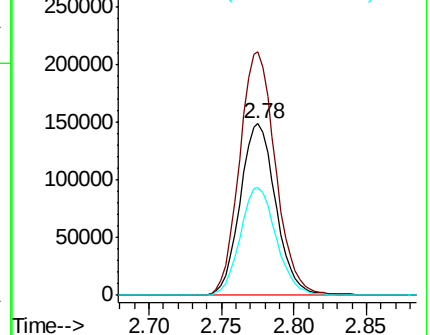
98 63.3 45.5 84.5



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: 98.641 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

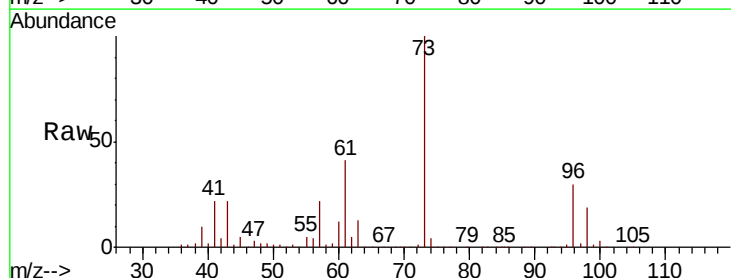
Tgt Ion: 73 Resp: 858593

Ion Ratio Lower Upper

73 100

43 22.1 17.8 26.6

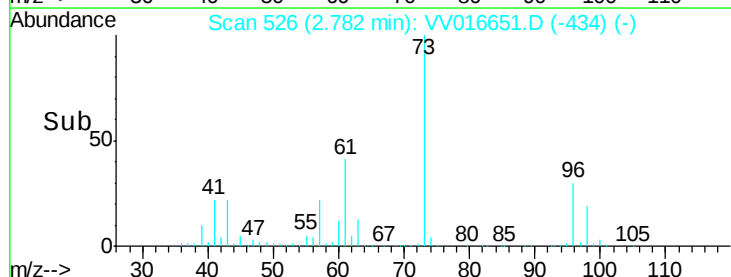
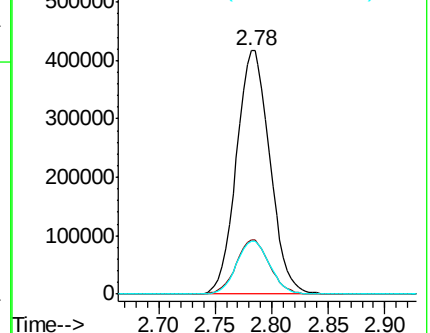
57 21.9 17.7 26.5

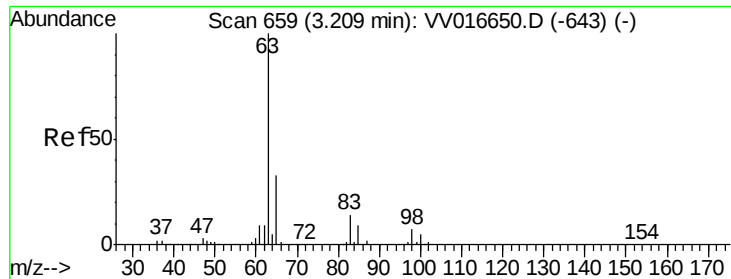


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

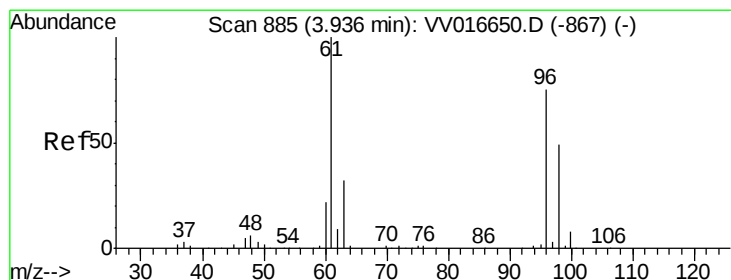
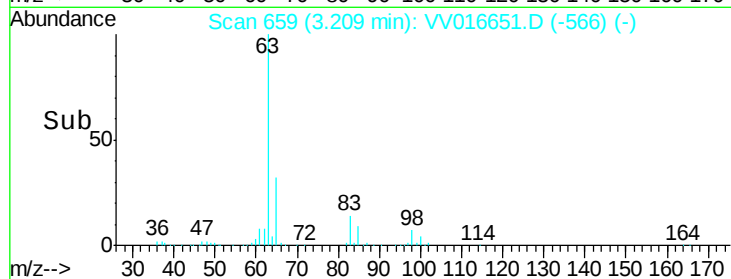
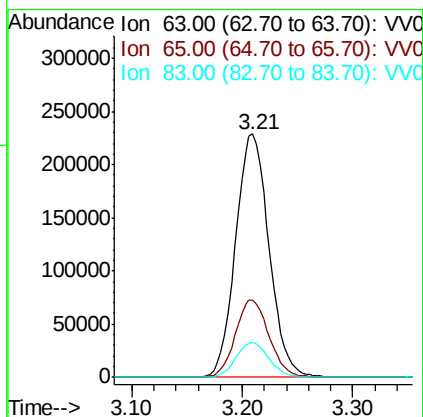
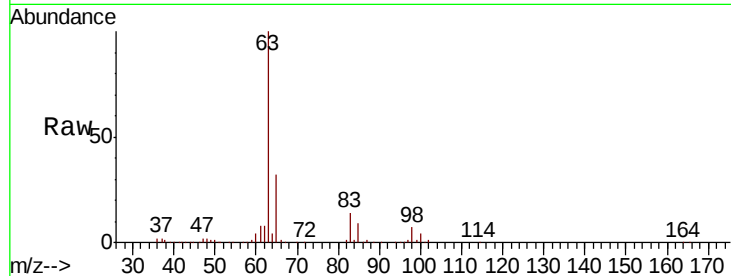




#19
 1,1-Dichloroethane
 Concen: 93.411 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV016651.D
 Acq: 08 Jun 2020 11:26

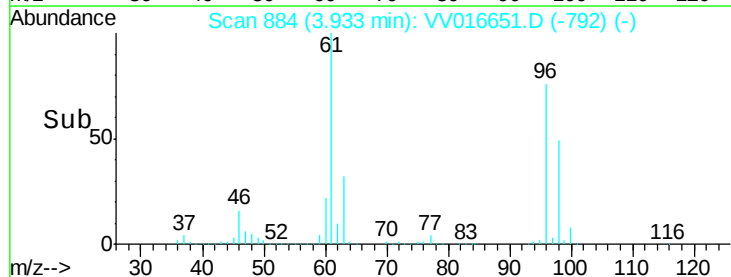
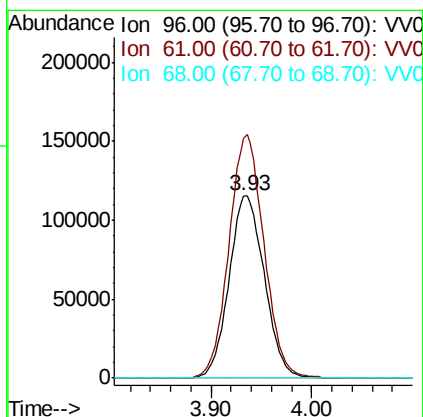
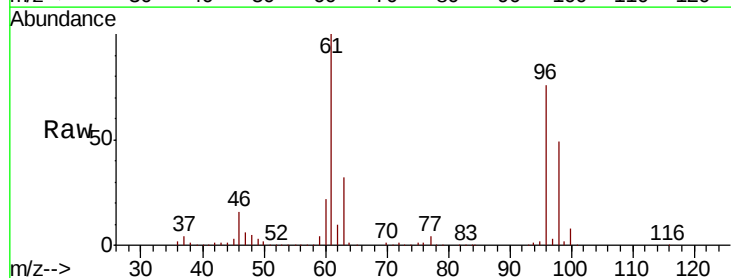
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

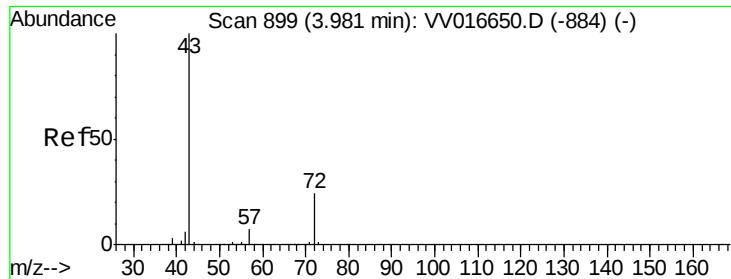
Tot Ion	Ratio	Lower	Upper
63	100		
65	31.9	23.2	43.0
83	14.2	10.0	18.6



#20
 cis-1,2-Dichloroethene
 Concen: 93.909 ug/L
 RT: 3.93 min Scan# 884
 Delta R.T. -0.00 min
 Lab File: VV016651.D
 Acq: 08 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
96	100		
61	131.7	93.4	173.4
68	0.0	0.0	0.0





#22

2-Butanone

Concen: 204.038 ug/L

RT: 3.98 min Scan# 898

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

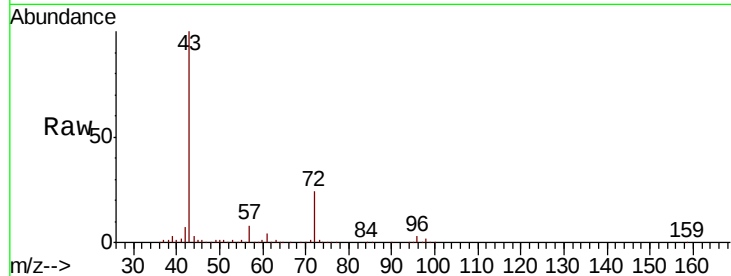
VSTD10066

Tot Ion: 43 Resp: 429547

Ion Ratio Lower Upper

43 100

72 25.1 12.4 37.4



Abundance Ion 43.00 (42.70 to 43.70): VV016651.D (-898) (-)

Ion 72.00 (71.70 to 72.70): VV016651.D (-898) (-)

3.98

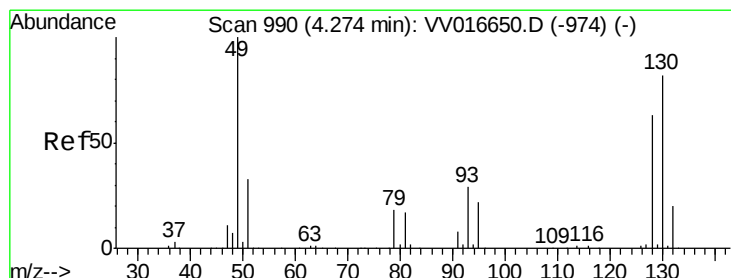
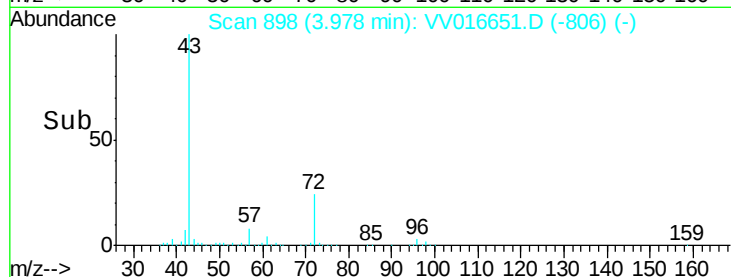
150000

100000

50000

0

Time-->



#23

Bromochloromethane

Concen: 95.786 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Tgt Ion: 128 Resp: 147885

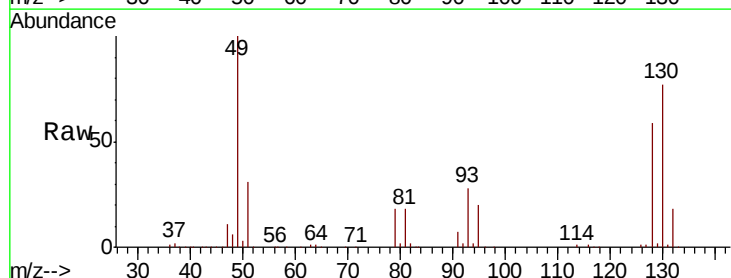
Ion Ratio Lower Upper

128 100

49 169.6 111.9 207.9

130 131.0 91.5 169.9

51 52.5 42.1 63.1



Abundance Ion 128.00 (127.70 to 128.70): VV016651.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV016651.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV016651.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV016651.D (-897) (-)

4.27

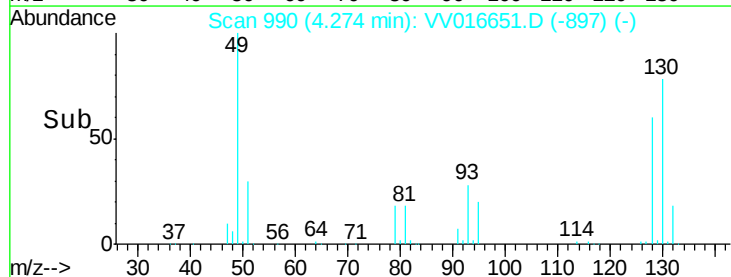
150000

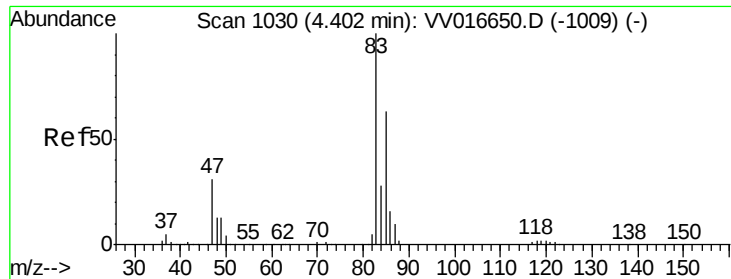
100000

50000

0

Time-->

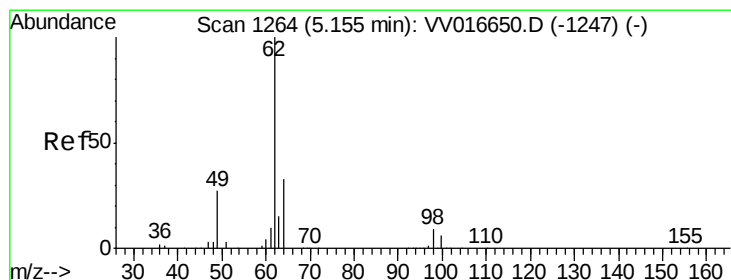
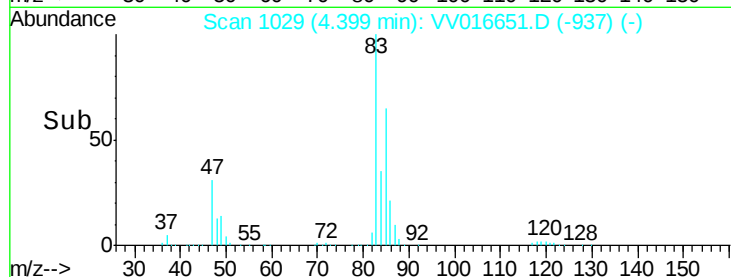
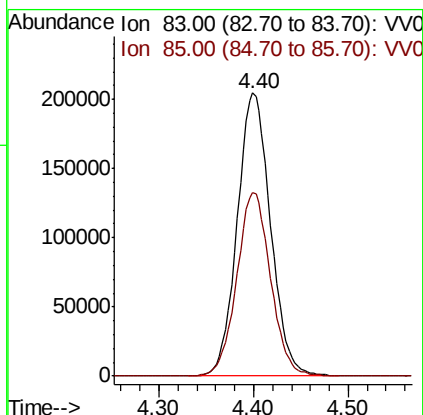
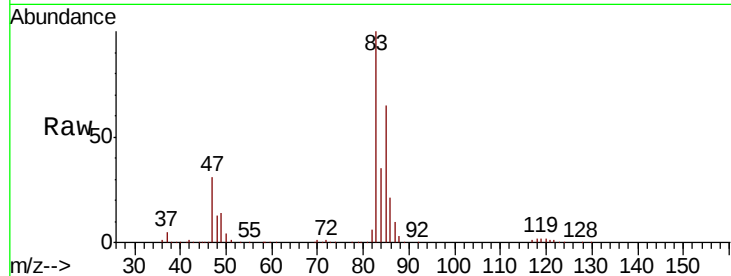




#25
Chloroform
Concen: 93.196 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

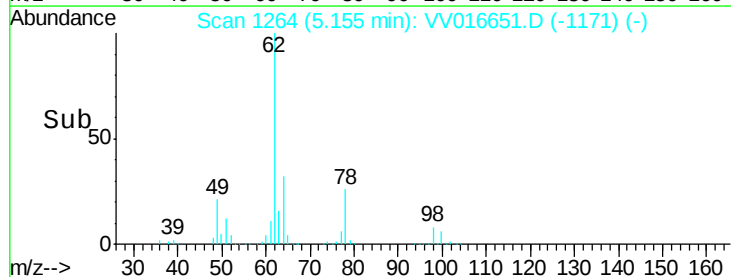
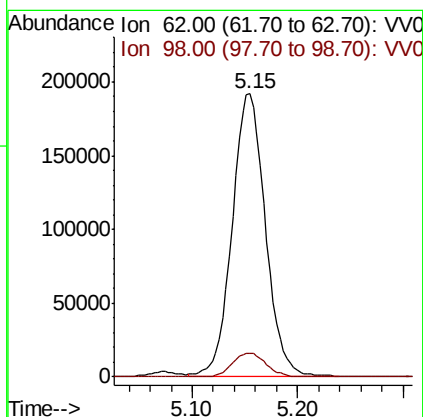
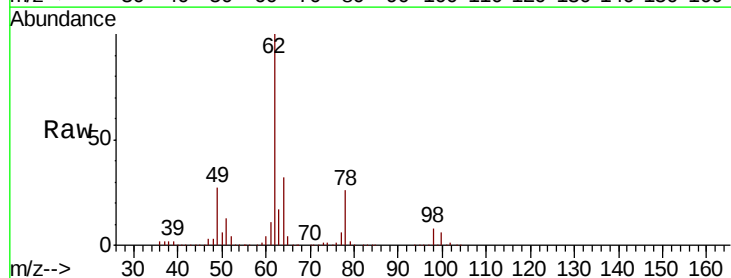
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

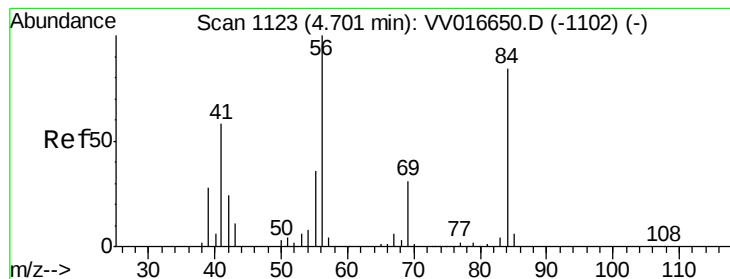
Tot Ion: 83 Resp: 500490
Ion Ratio Lower Upper
83 100
85 64.8 44.1 81.9



#27
1,2-Dichloroethane
Concen: 95.008 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

Tgt Ion: 62 Resp: 417076
Ion Ratio Lower Upper
62 100
98 8.3 7.4 11.2





#29

Cyclohexane

Concen: 100.059 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

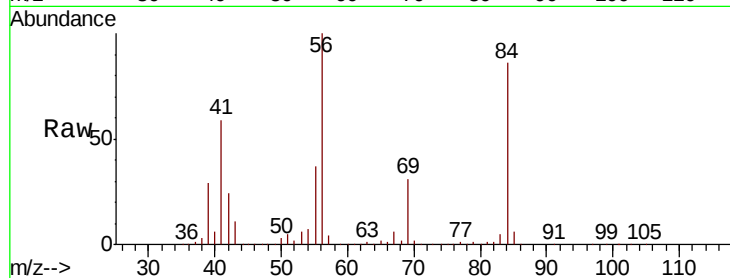
Tot Ion: 56 Resp: 447967

Ion Ratio Lower Upper

56 100

69 30.2 25.0 37.4

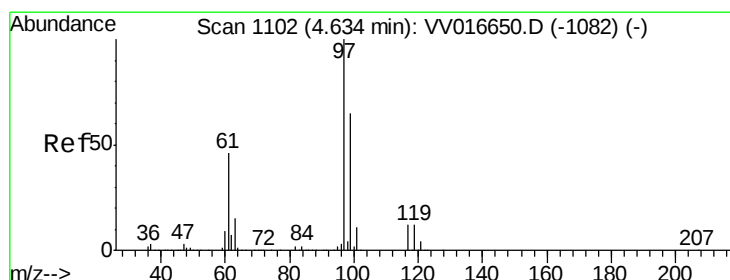
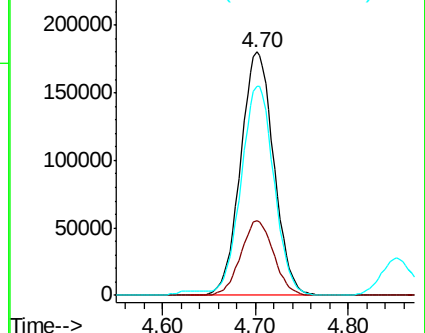
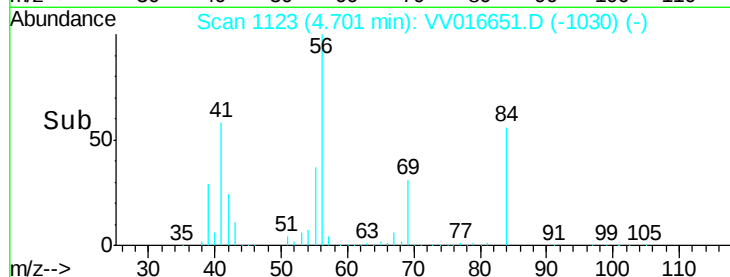
84 85.5 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV016651.D (-1030) (-)

Ion 69.00 (68.70 to 69.70): VV016651.D (-1030) (-)

Ion 84.00 (83.70 to 84.70): VV016651.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 99.851 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

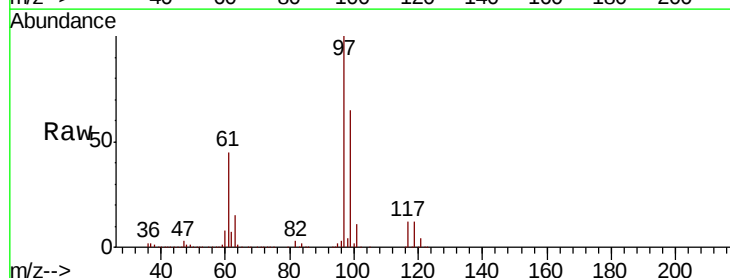
Tgt Ion: 97 Resp: 458982

Ion Ratio Lower Upper

97 100

99 64.0 51.3 76.9

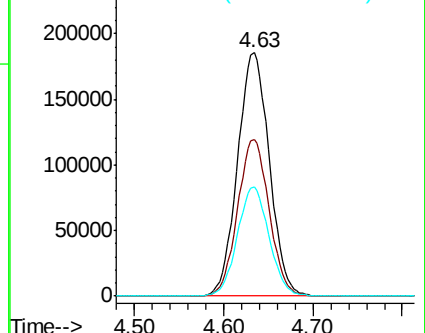
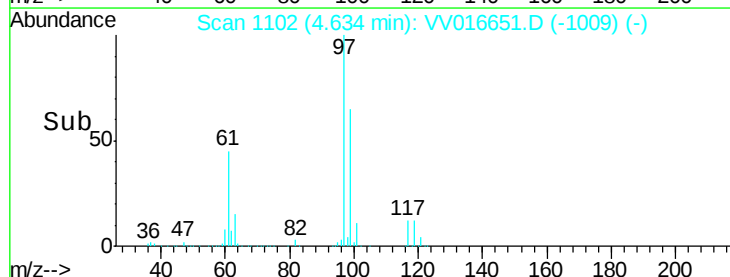
61 44.5 36.7 55.1

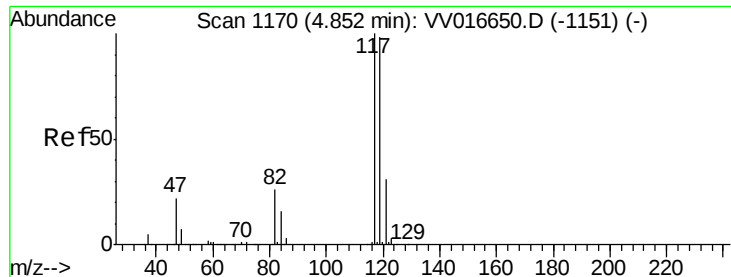


Abundance Ion 97.00 (96.70 to 97.70): VV016651.D (-1009) (-)

Ion 99.00 (98.70 to 99.70): VV016651.D (-1009) (-)

Ion 61.05 (60.75 to 61.75): VV016651.D (-1009) (-)





#31

Carbon tetrachloride

Concen: 100.997 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

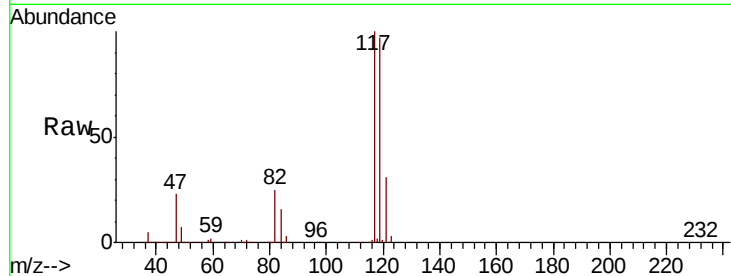
VSTD10066

Tot Ion:117 Resp: 401675

Ion Ratio Lower Upper

117 100

119 96.8 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

200000

150000

100000

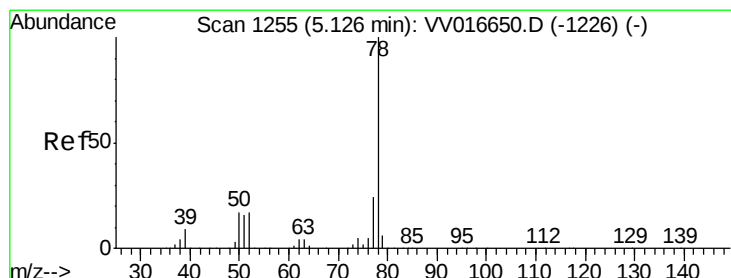
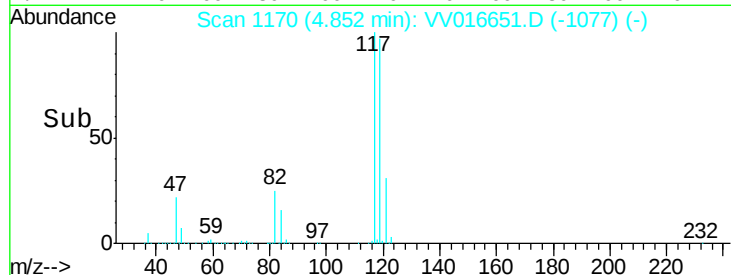
50000

0

4.80

4.90

Time-->



#33

Benzene

Concen: 95.160 ug/L

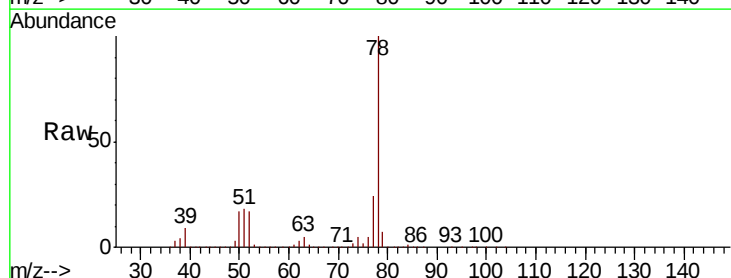
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Tgt Ion: 78 Resp: 1045800



Abundance Ion 78.00 (77.70 to 78.70): VV0

500000

400000

300000

200000

100000

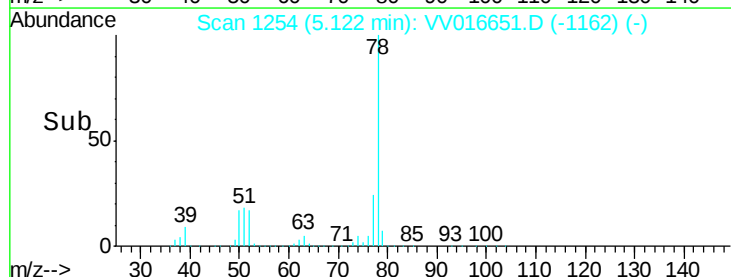
0

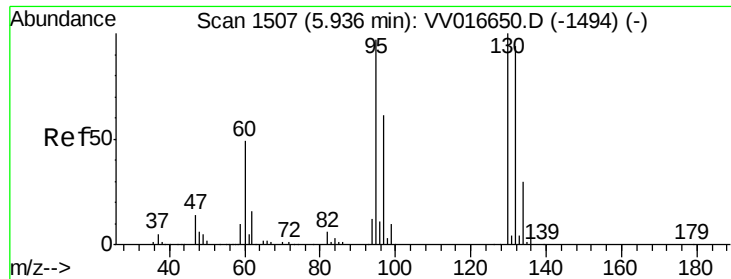
5.00

5.10

5.20

Time-->

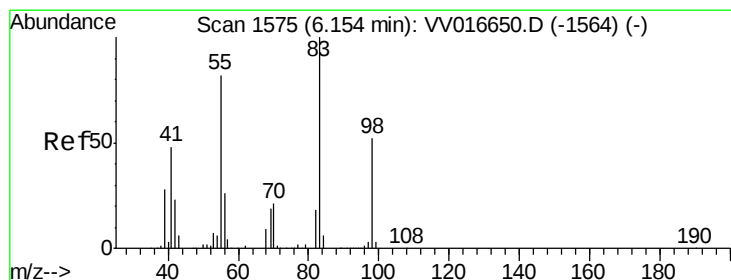
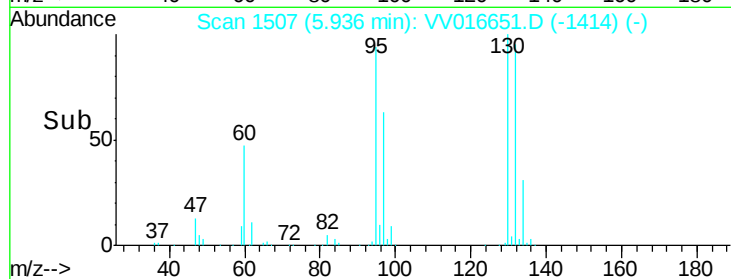
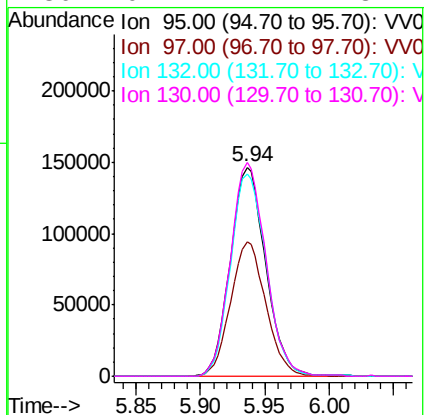
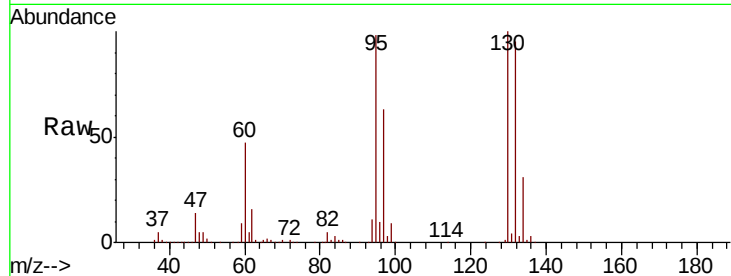




#34
 Trichloroethene
 Concen: 96.299 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. 0.00 min
 Lab File: VV016651.D
 Acq: 08 Jun 2020 11:26

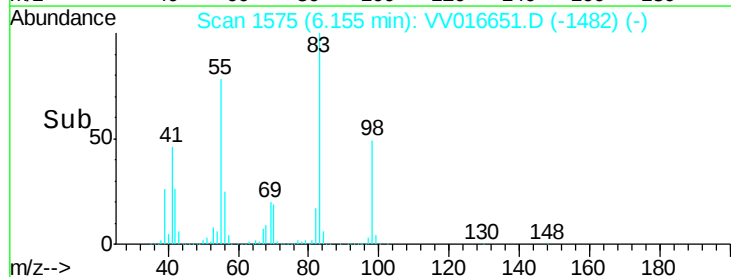
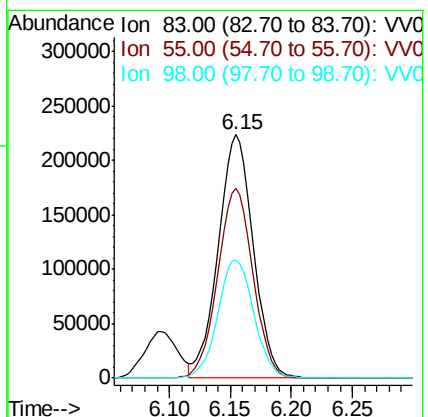
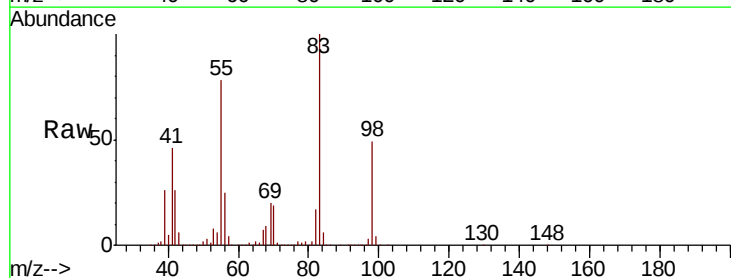
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

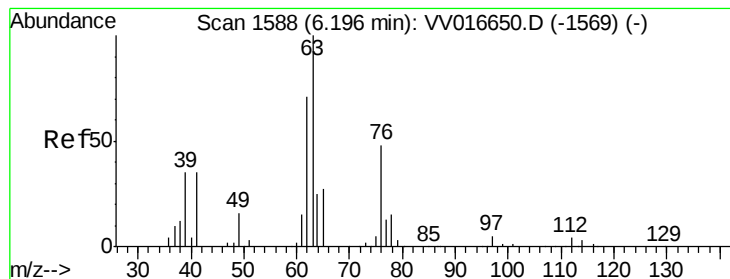
Tot Ion:	95	Resp:	279012
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.3	82.3
132	97.0	67.9	126.1
130	102.2	72.2	134.2



#35
 Methylcyclohexane
 Concen: 106.552 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV016651.D
 Acq: 08 Jun 2020 11:26

Tgt Ion:	83	Resp:	449830
Ion	Ratio	Lower	Upper
83	100		
55	78.6	64.2	96.2
98	49.9	40.3	60.5





#37

1,2-Dichloropropane

Concen: 97.091 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

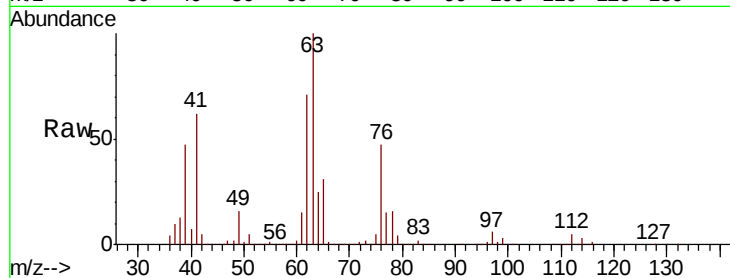
VSTD10066

Tot Ion: 63 Resp: 278080

Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV016651.D (-1495) (-)

Ion 112.00 (111.70 to 112.70): VV016651.D (-1495) (-)

6.20

150000

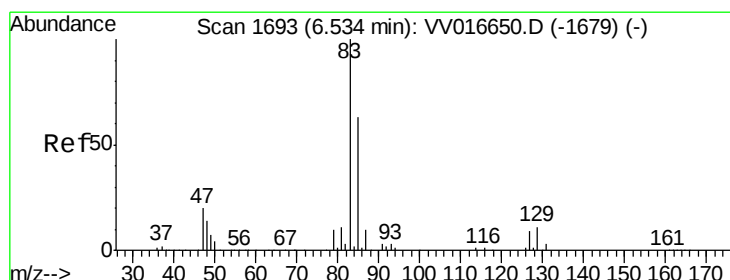
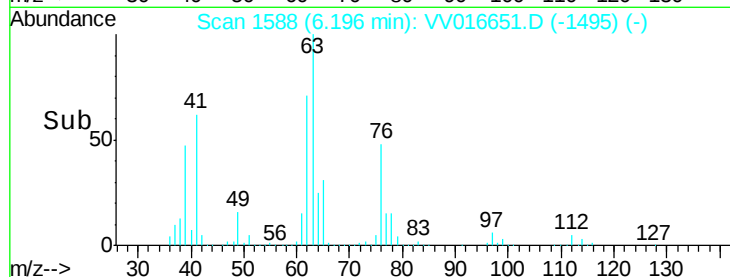
100000

50000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 99.951 ug/L

RT: 6.53 min Scan# 1692

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

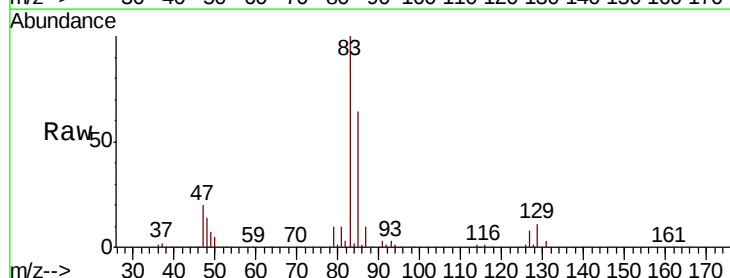
Tgt Ion: 83 Resp: 371356

Ion Ratio Lower Upper

83 100

85 63.8 44.4 82.5

127 8.5 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV016651.D (-1600) (-)

Ion 85.00 (84.70 to 85.70): VV016651.D (-1600) (-)

Ion 127.00 (126.70 to 127.70): VV016651.D (-1600) (-)

6.53

250000

200000

150000

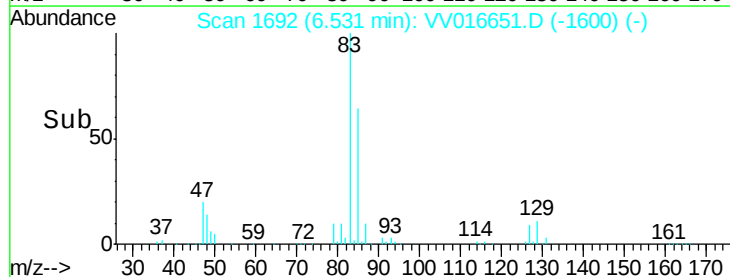
100000

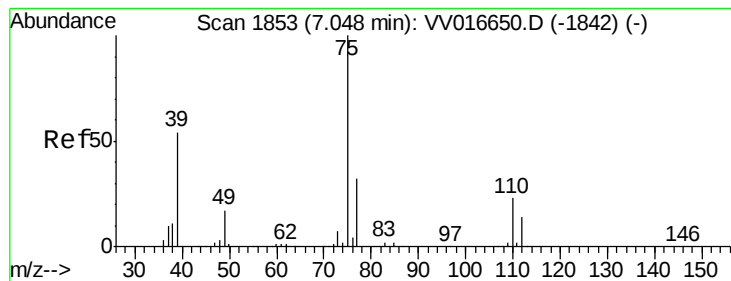
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



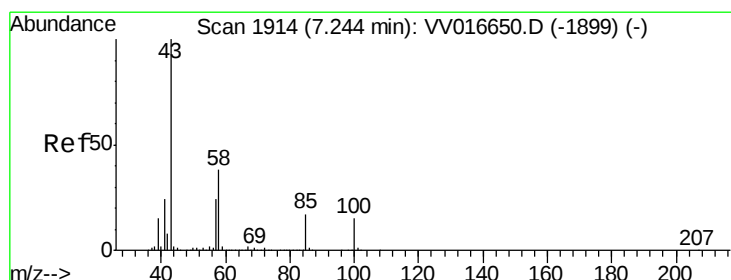
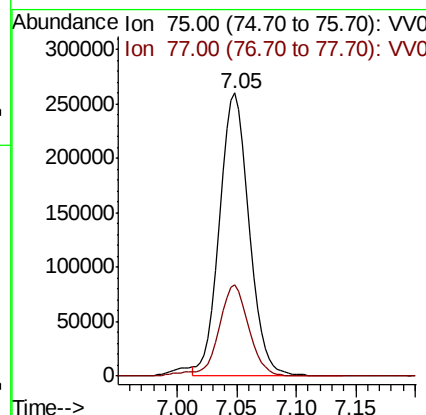
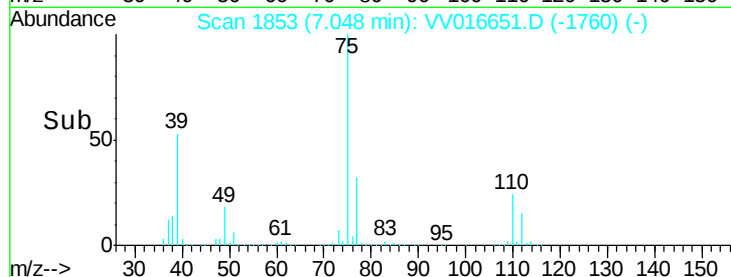
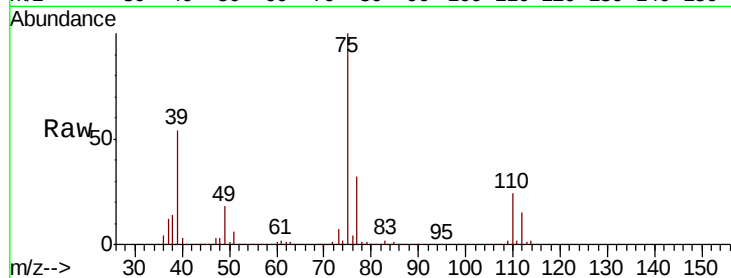


#39

cis-1,3-Dichloropropene
Concen: 105.904 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

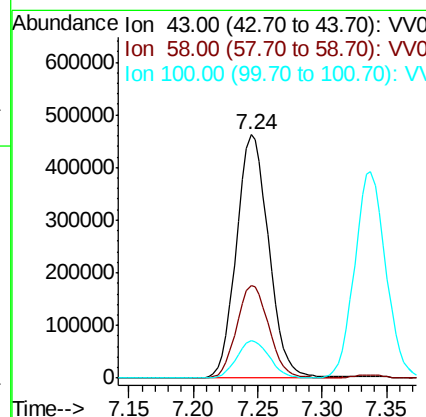
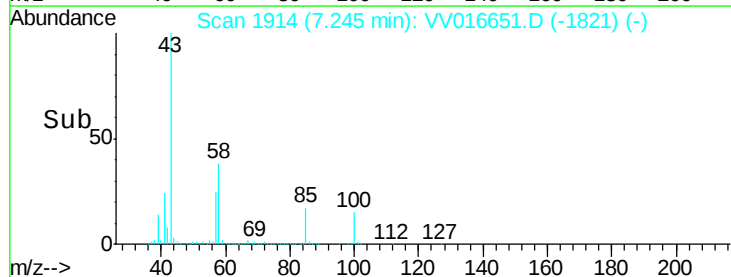
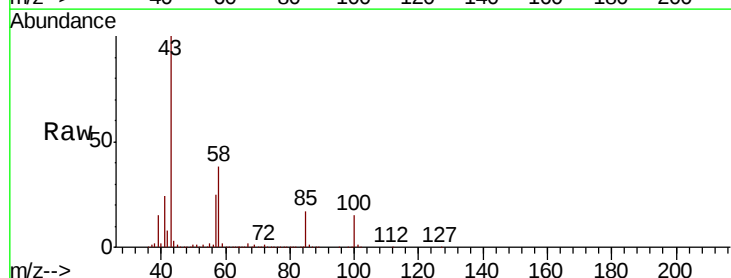
Tot Ion: 75 Resp: 447462
Ion Ratio Lower Upper
75 100
77 32.2 22.7 42.1

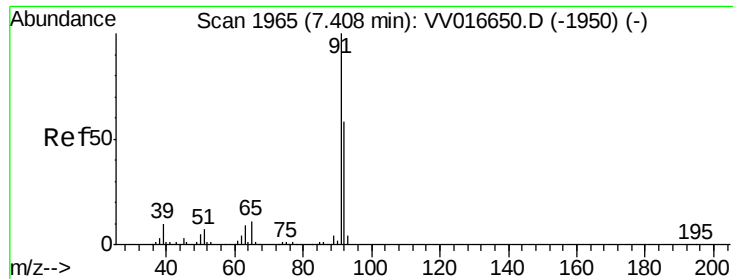


#40

4-Methyl-2-pentanone
Concen: 201.433 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

Tgt Ion: 43 Resp: 804826
Ion Ratio Lower Upper
43 100
58 38.2 30.2 45.4
100 15.7 12.3 18.5





#42

Toluene

Concen: 95.880 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

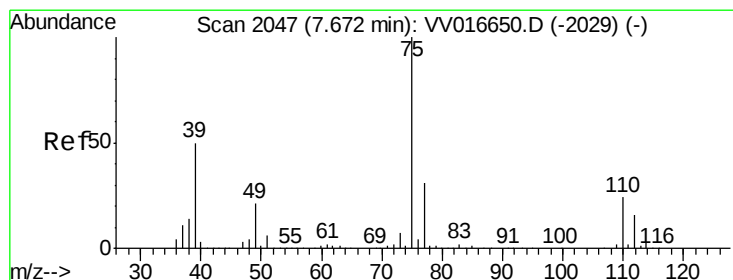
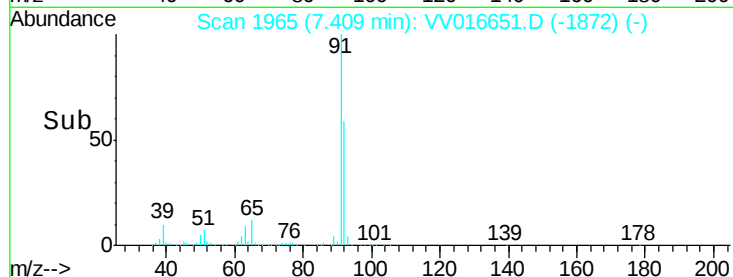
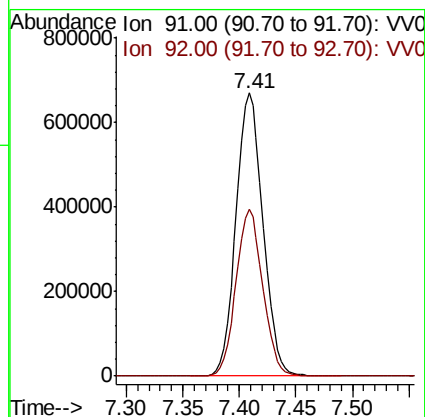
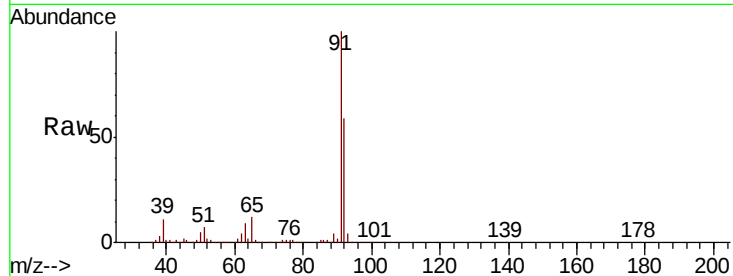
VSTD10066

Tot Ion: 91 Resp: 1114796

Ion Ratio Lower Upper

91 100

92 58.9 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 106.839 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV016651.D

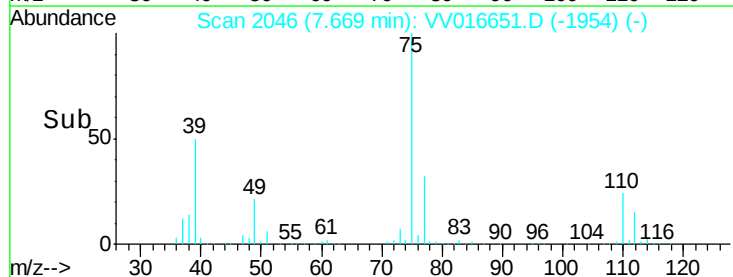
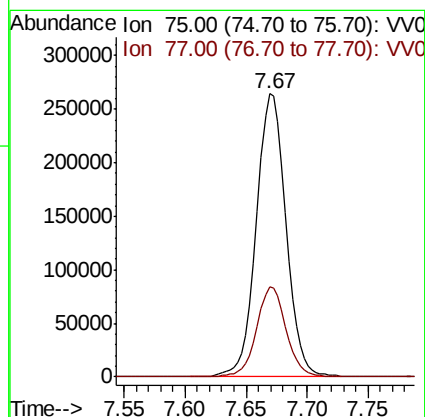
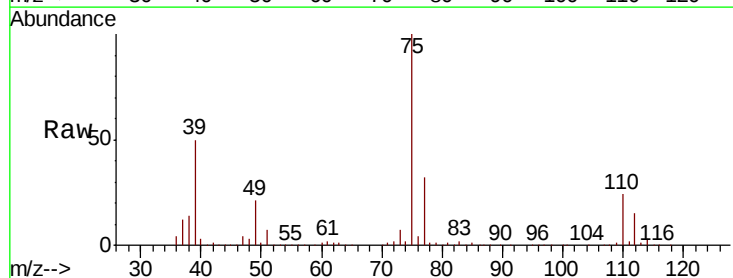
Acq: 08 Jun 2020 11:26

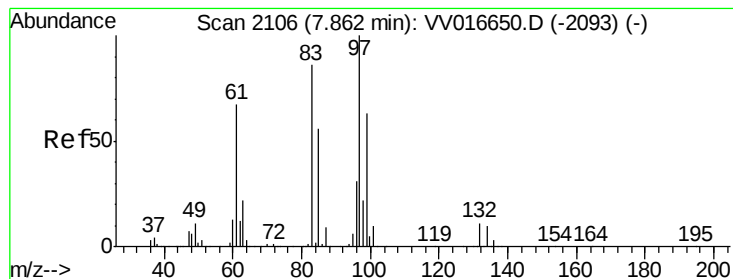
Tgt Ion: 75 Resp: 444495

Ion Ratio Lower Upper

75 100

77 31.7 21.7 40.3





#45

1,1,2-Trichloroethane

Concen: 96.368 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tot Ion: 97 Resp: 266622

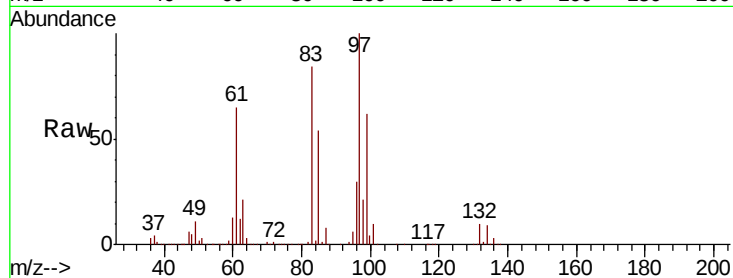
Ion Ratio Lower Upper

97 100

99 62.1 44.3 82.3

83 84.0 60.0 111.4

85 53.7 39.5 73.3



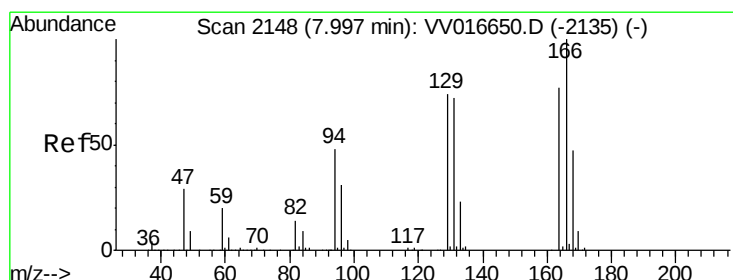
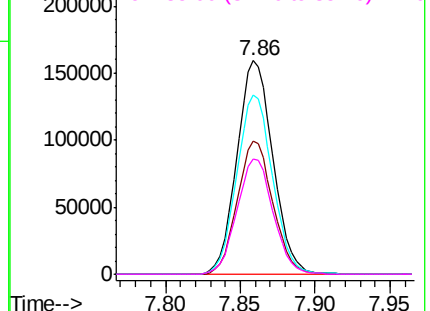
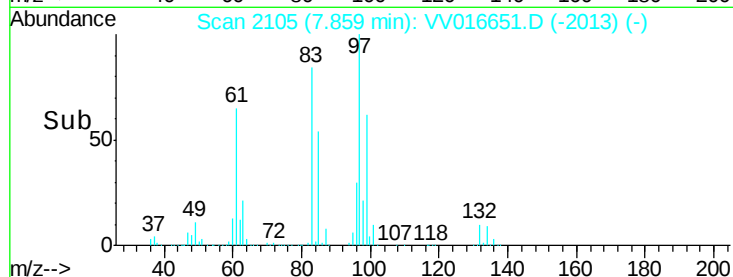
Abundance

Ion 97.00 (96.70 to 97.70): VV016651.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV016651.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV016651.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV016651.D (-2093) (-)



#46

Tetrachloroethene

Concen: 98.891 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Tgt Ion: 164 Resp: 221639

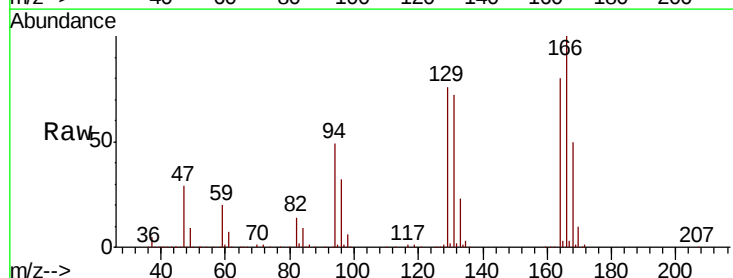
Ion Ratio Lower Upper

164 100

129 96.0 67.0 124.4

131 89.9 64.8 120.3

166 125.7 90.4 167.8



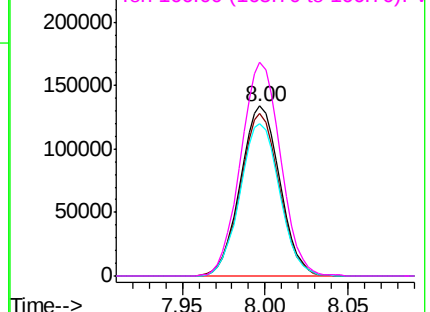
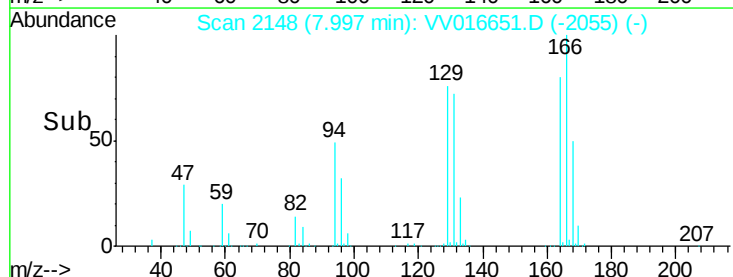
Abundance

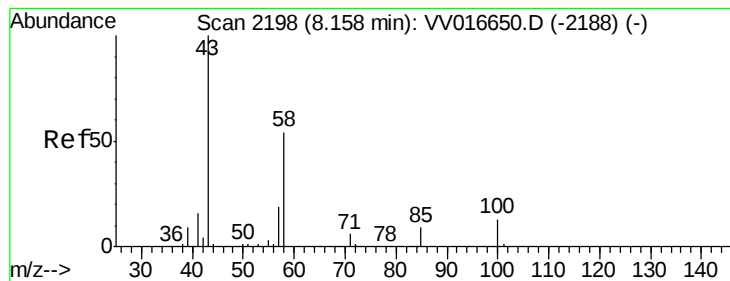
Ion 164.00 (163.70 to 164.70): VV016651.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV016651.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV016651.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV016651.D (-2135) (-)





#48

2-Hexanone

Concen: 204.704 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

Tot Ion: 43 Resp: 635130

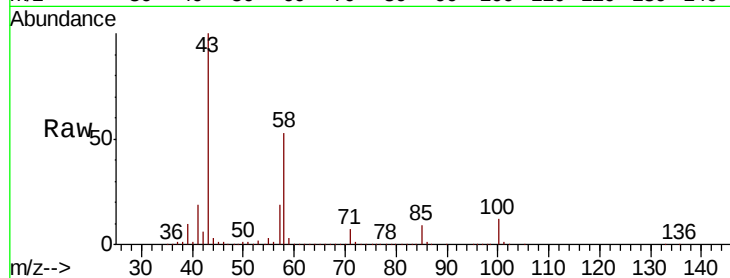
Ion Ratio Lower Upper

43 100

58 53.1 43.1 64.7

57 19.1 15.3 22.9

100 12.3 10.0 15.0

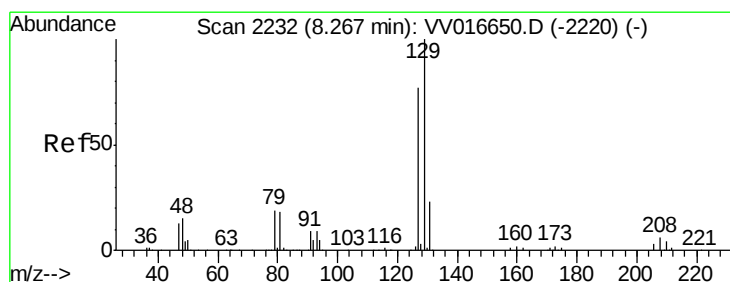
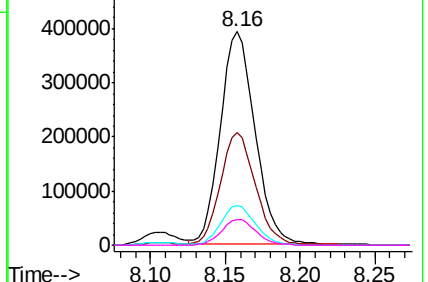
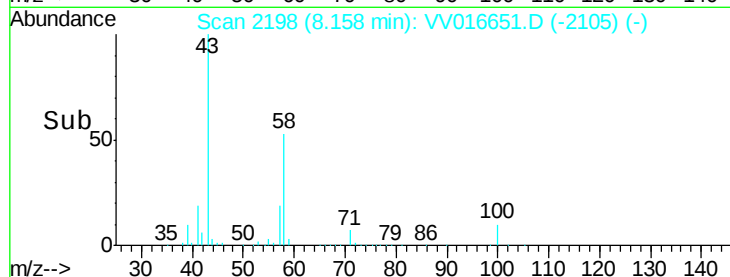


Abundance Ion 43.00 (42.70 to 43.70): VV0

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: 107.718 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV016651.D

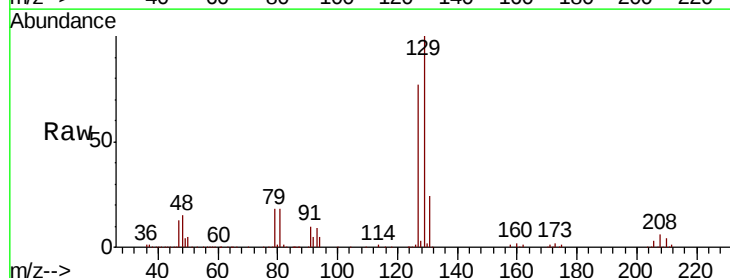
Acq: 08 Jun 2020 11:26

Tgt Ion:129 Resp: 296677

Ion Ratio Lower Upper

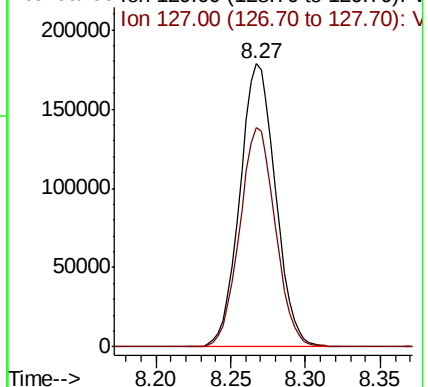
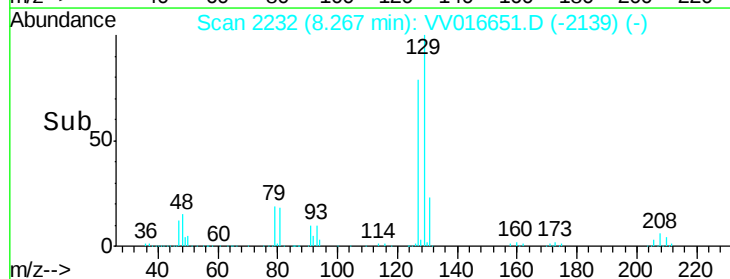
129 100

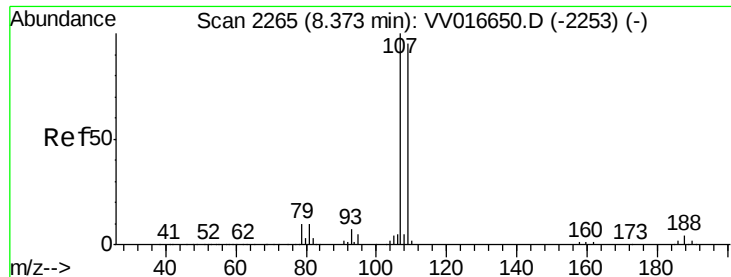
127 77.3 54.2 100.6



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

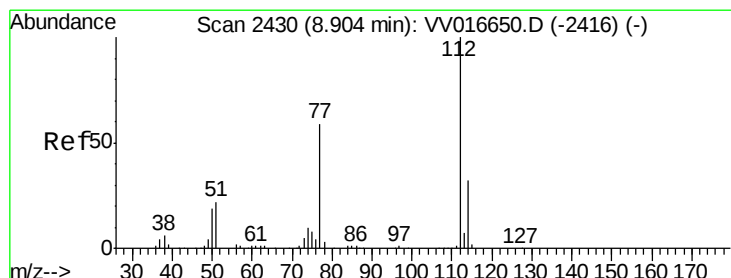
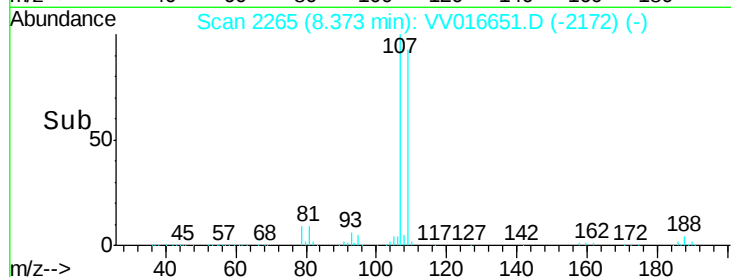
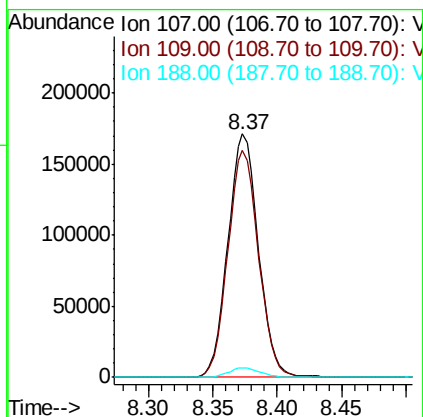
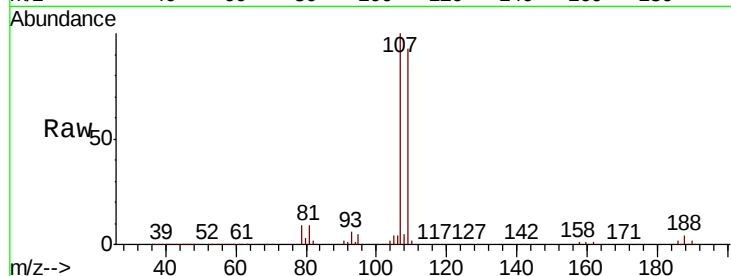




#50
1,2-Dibromoethane
Concen: 95.797 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

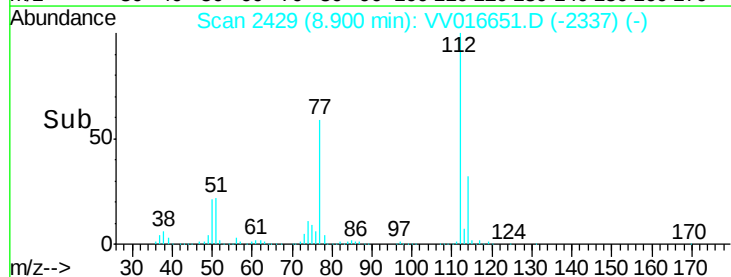
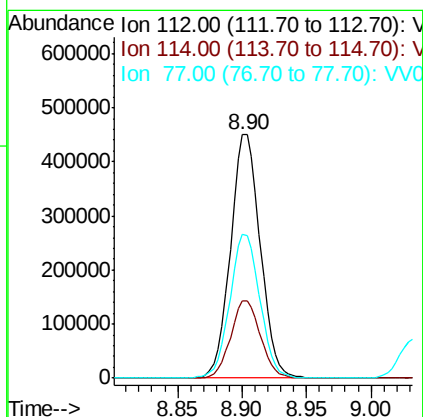
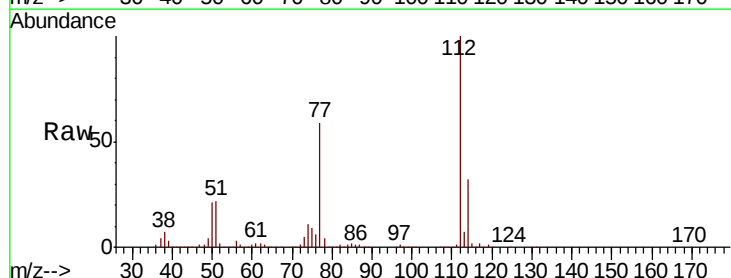
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

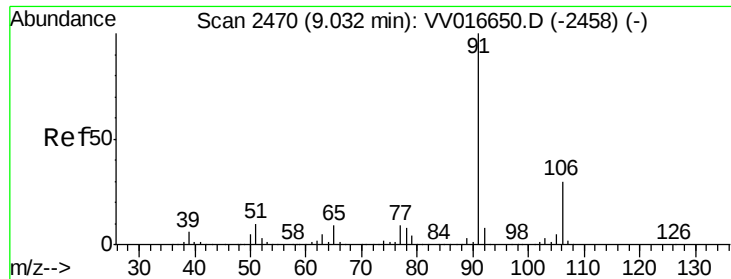
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.1	66.4	123.2
188	4.0	3.1	4.7



#51
Chlorobenzene
Concen: 94.372 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV016651.D
Acq: 08 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.5	22.3	41.3
77	59.2	47.9	71.9





#52

Ethylbenzene

Concen: 98.522 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

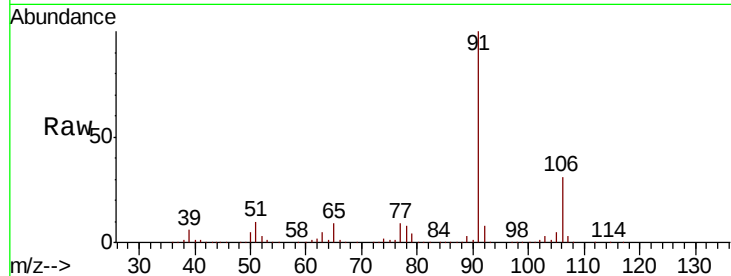
VSTD10066

Tot Ion: 91 Resp: 1256127

Ion Ratio Lower Upper

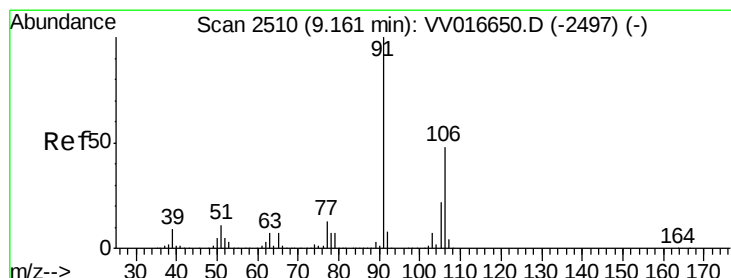
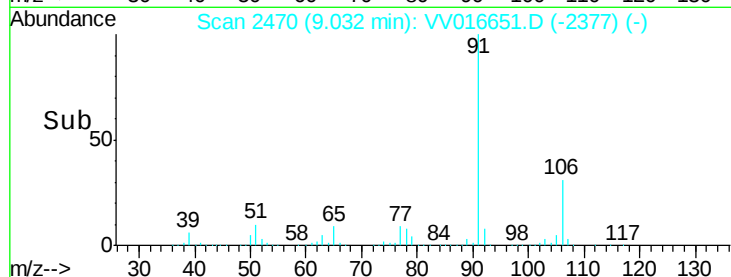
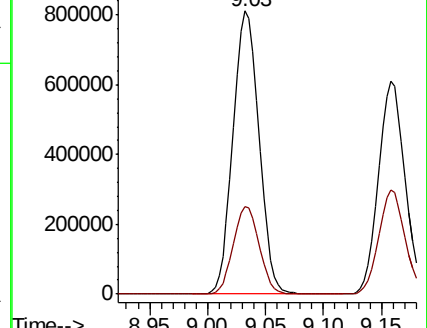
91 100

106 31.1 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV016651.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV016651.D (-2377) (-)



#53

m,p-Xylene

Concen: 98.881 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV016651.D

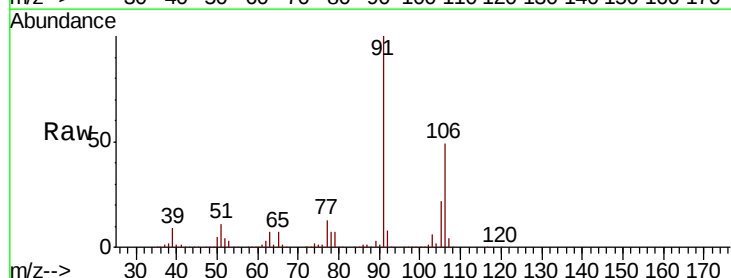
Acq: 08 Jun 2020 11:26

Tgt Ion: 106 Resp: 474392

Ion Ratio Lower Upper

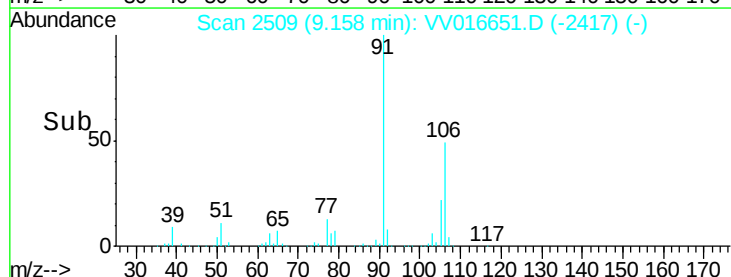
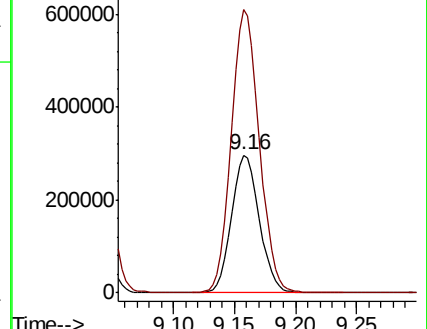
106 100

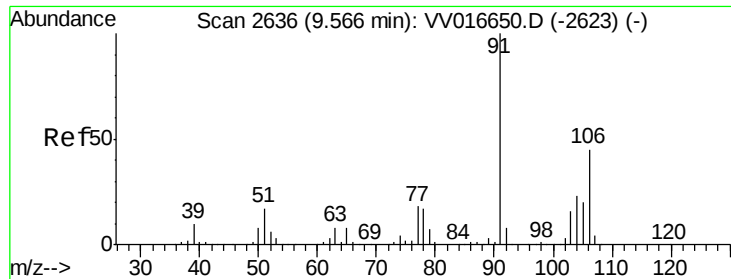
91 205.1 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): VV016651.D (-2417) (-)

Ion 91.00 (90.70 to 91.70): VV016651.D (-2417) (-)





#54

o-xylene

Concen: 98.743 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

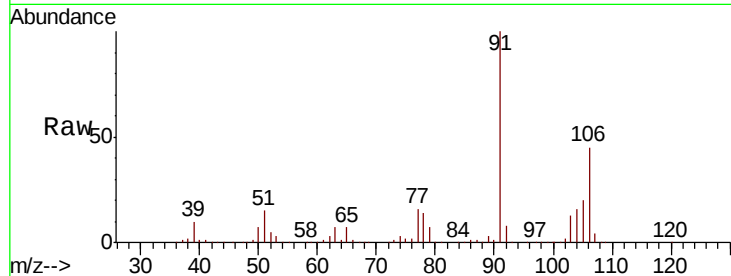
Instrument :
MSVOA_V
ClientSampleId :
VSTD10066

Tot Ion:106 Resp: 458562

Ion Ratio Lower Upper

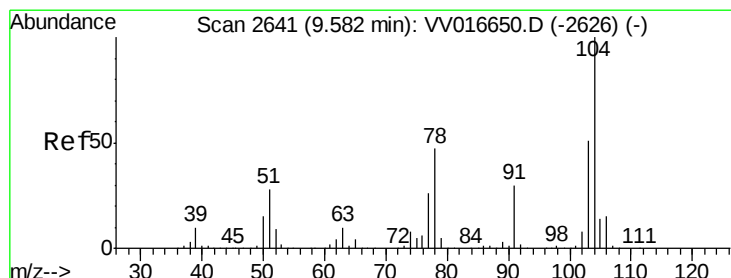
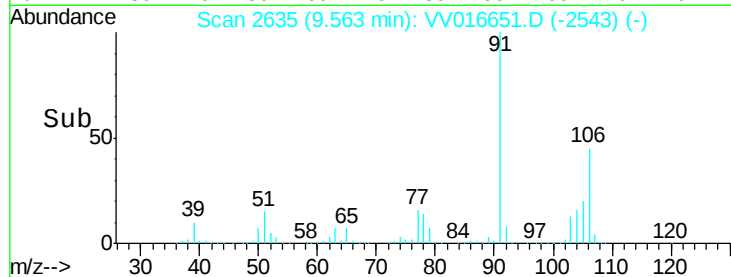
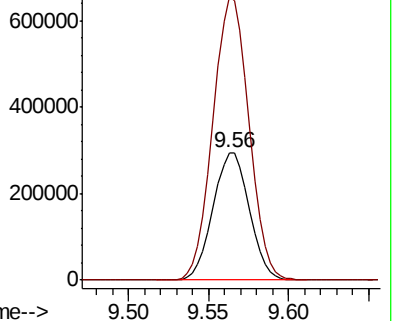
106 100

91 222.4 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 98.346 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV016651.D

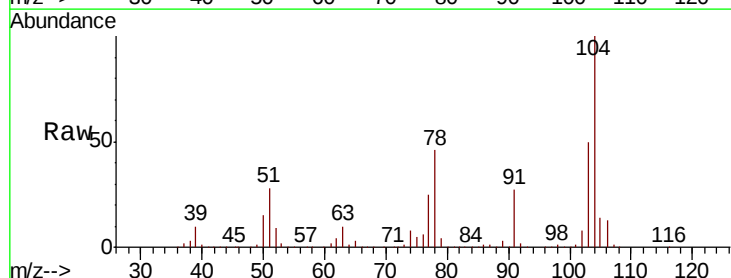
Acq: 08 Jun 2020 11:26

Tgt Ion:104 Resp: 795013

Ion Ratio Lower Upper

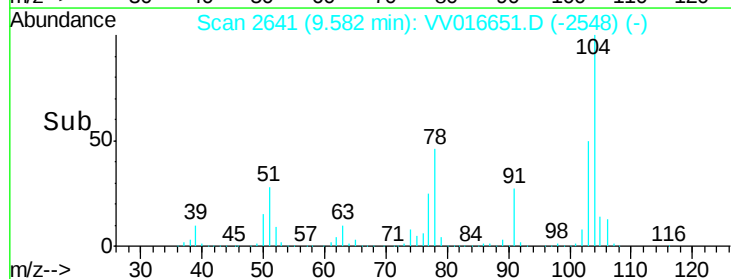
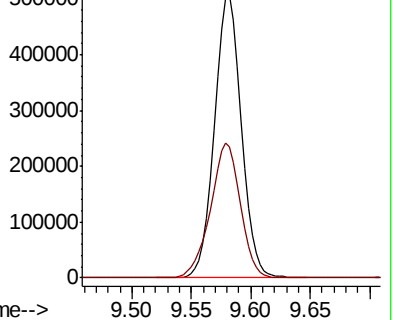
104 100

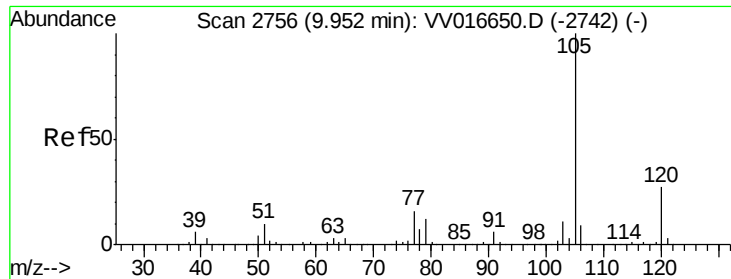
78 46.4 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 102.398 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampled :

VSTD10066

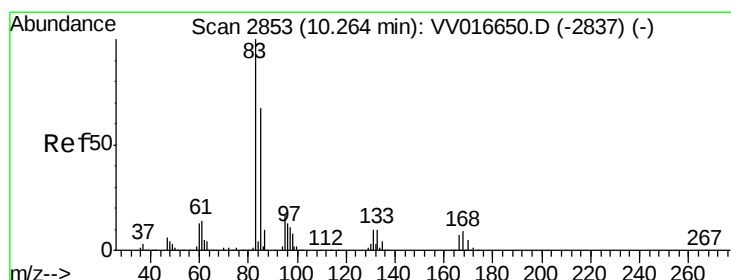
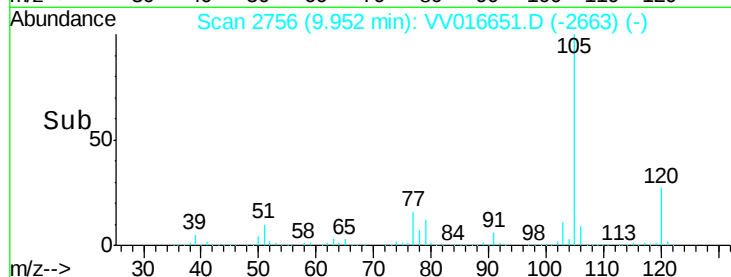
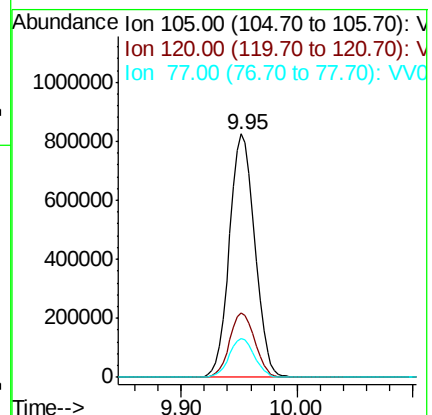
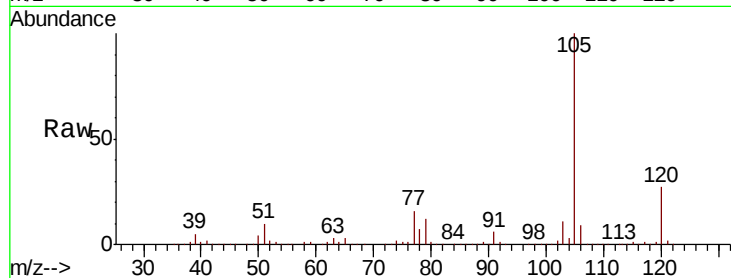
Tot Ion:105 Resp: 1247326

Ion Ratio Lower Upper

105 100

120 26.5 21.2 31.8

77 16.1 13.0 19.4



#58

1,1,2,2-Tetrachloroethane

Concen: 92.030 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

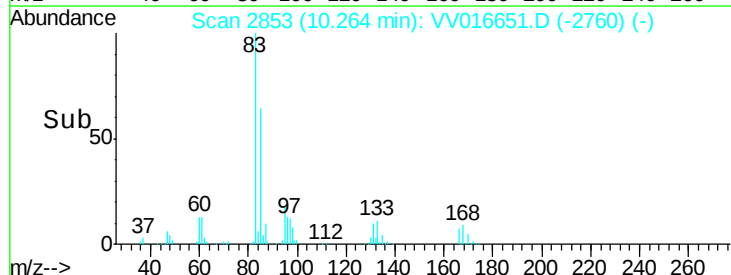
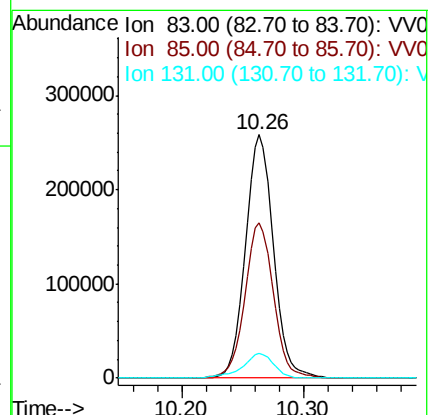
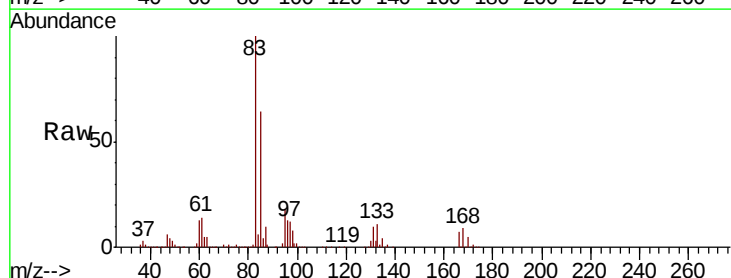
Tgt Ion: 83 Resp: 406415

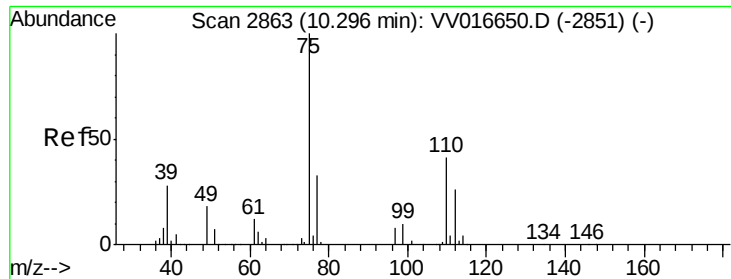
Ion Ratio Lower Upper

83 100

85 64.0 46.8 86.8

131 10.2 7.9 11.9





#59

1,2,3-Trichloropropane

Concen: 94.277 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

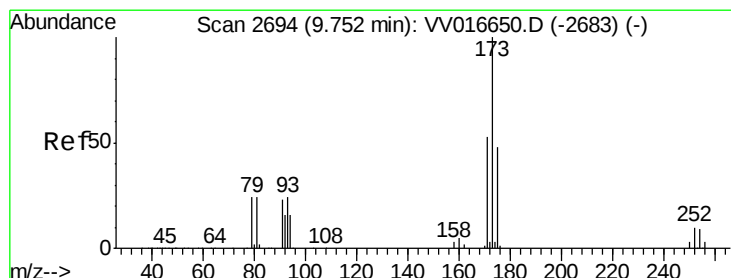
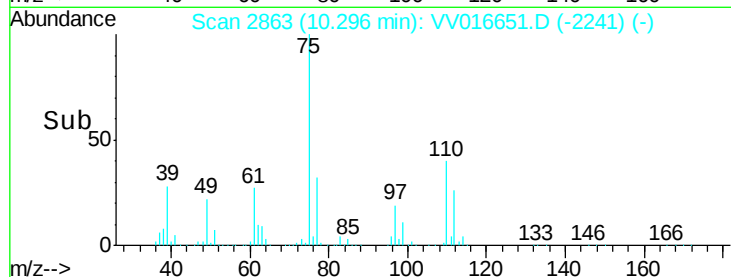
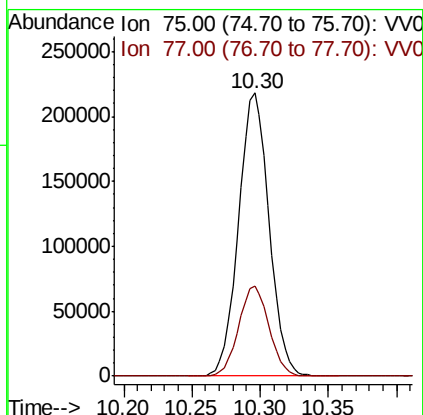
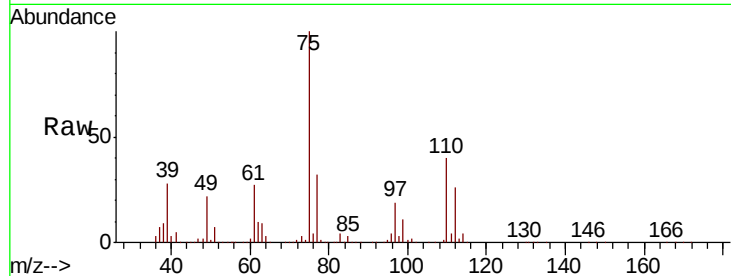
VSTD10066

Tot Ion: 75 Resp: 338620

Ion Ratio Lower Upper

75 100

77 31.6 26.1 39.1



#61

Bromoform

Concen: 120.074 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

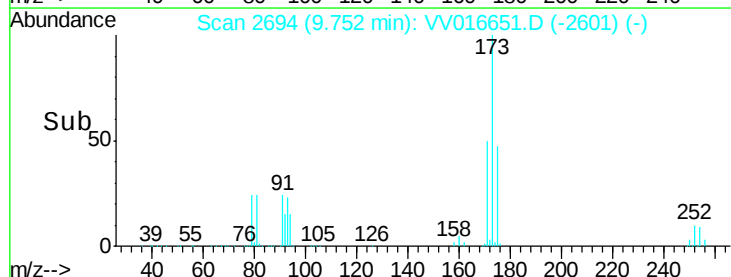
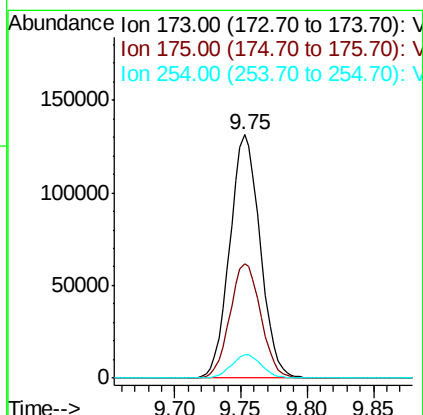
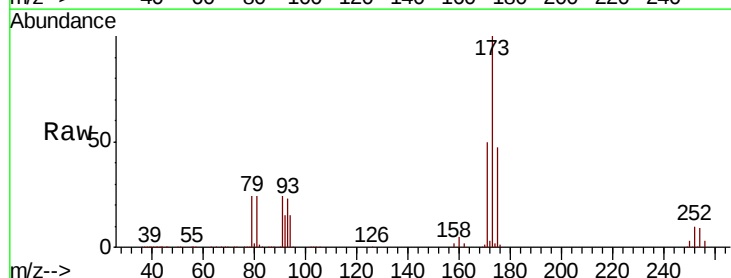
Tgt Ion: 173 Resp: 209712

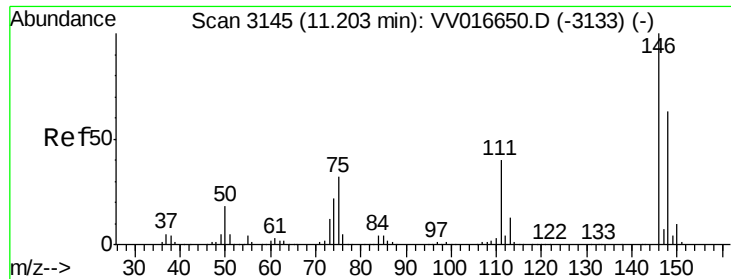
Ion Ratio Lower Upper

173 100

175 47.7 39.0 58.4

254 9.5 7.6 11.4





#62

1,3-Dichlorobenzene

Concen: 95.911 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

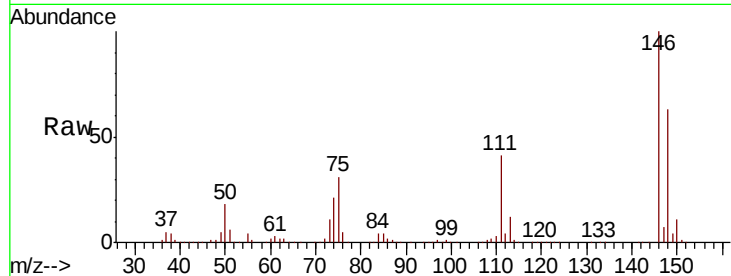
Tot Ion:146 Resp: 588993

Ion Ratio Lower Upper

146 100

111 40.6 28.3 52.7

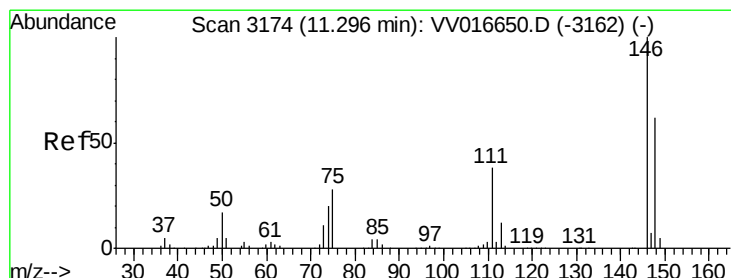
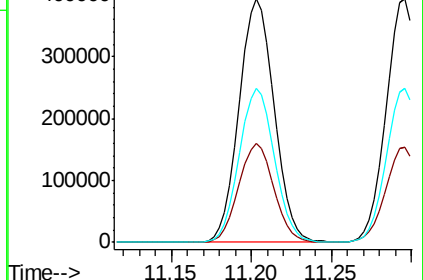
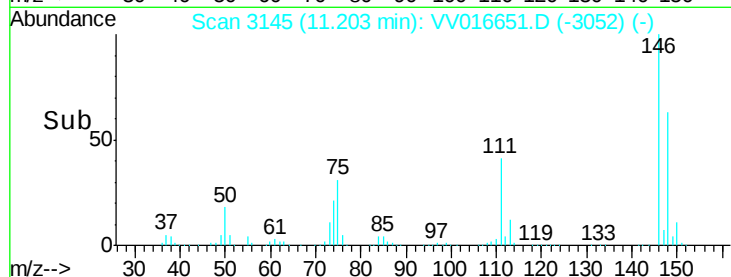
148 63.2 44.2 82.2



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: 93.238 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

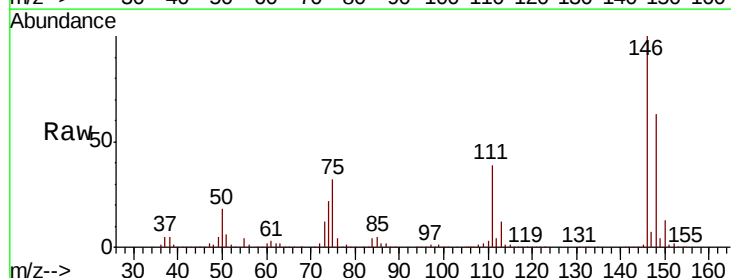
Tgt Ion:146 Resp: 591659

Ion Ratio Lower Upper

146 100

111 39.2 26.7 49.7

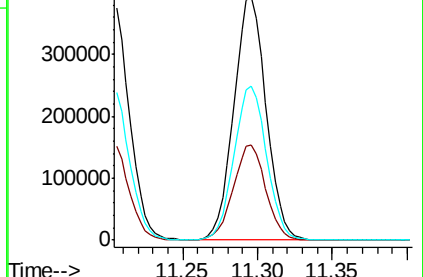
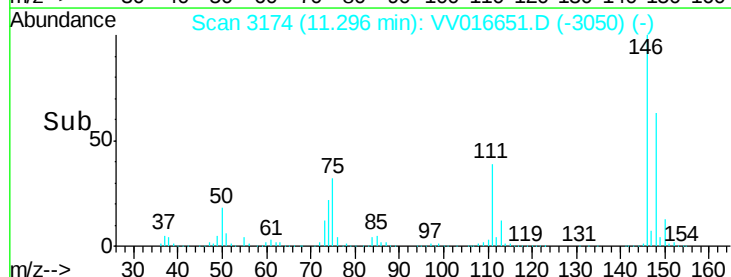
148 63.2 43.5 80.9

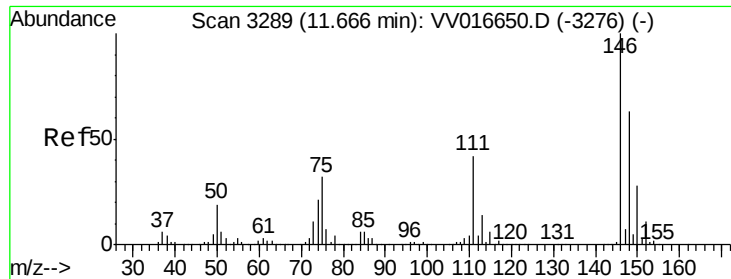


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 96.075 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

MSVOA_V

ClientSampleId :

VSTD10066

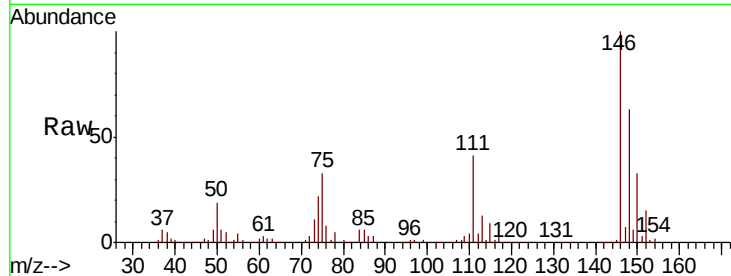
Tot Ion:146 Resp: 595458

Ion Ratio Lower Upper

146 100

111 41.2 33.7 50.5

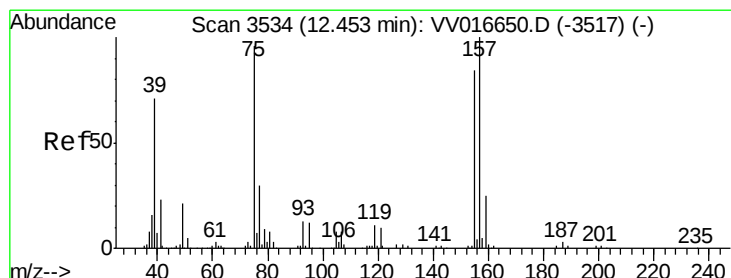
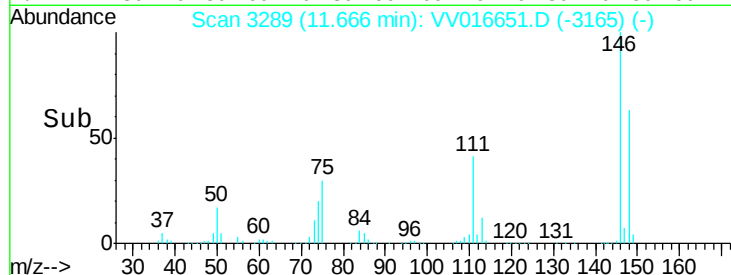
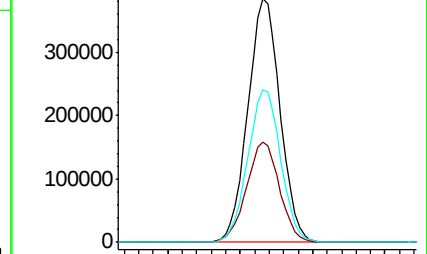
148 62.6 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 104.943 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

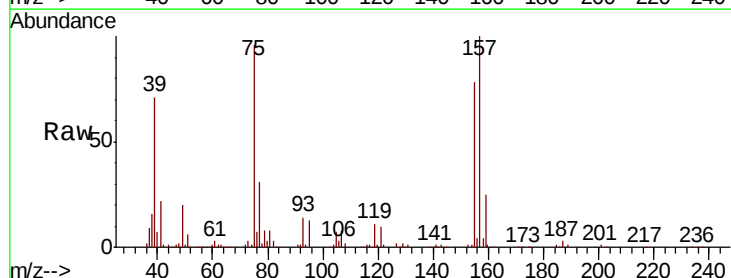
Tgt Ion: 75 Resp: 100215

Ion Ratio Lower Upper

75 100

155 81.6 69.8 104.6

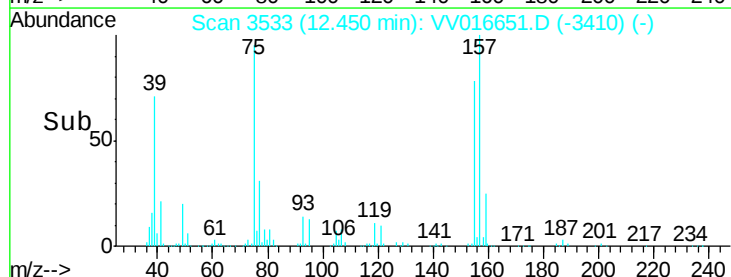
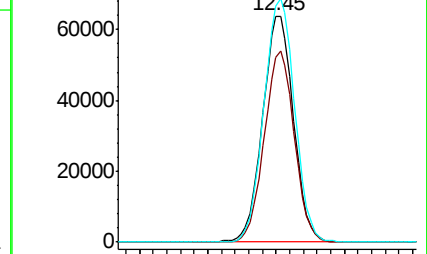
157 104.4 83.4 125.2

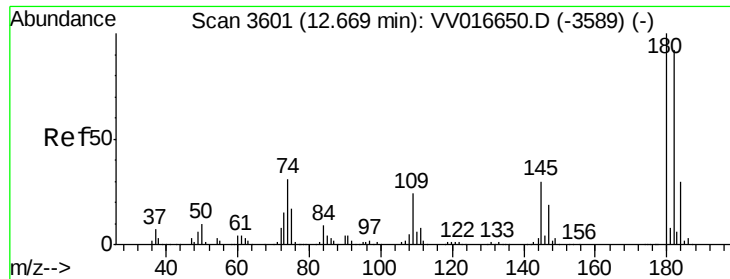


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

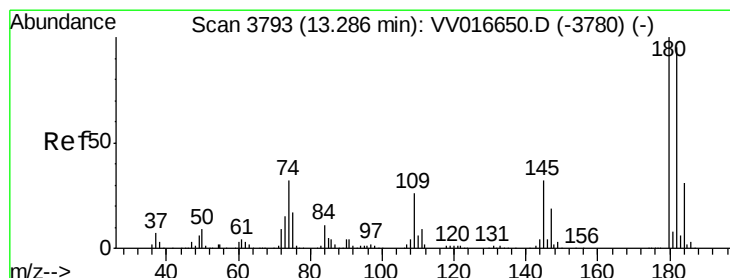
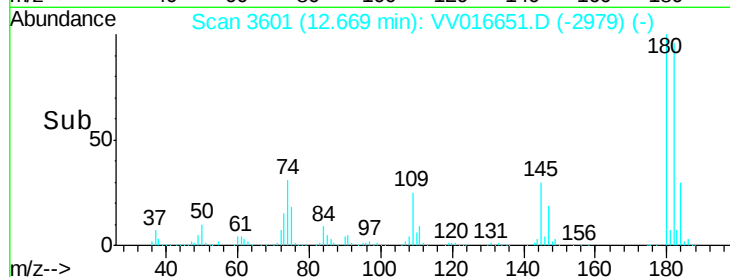
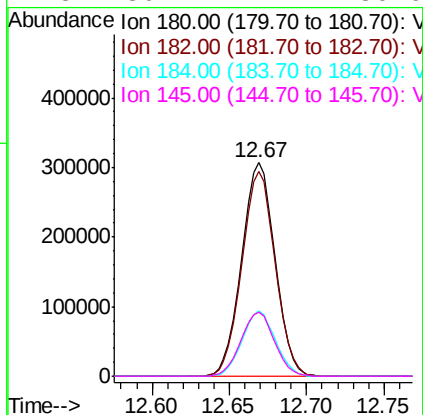
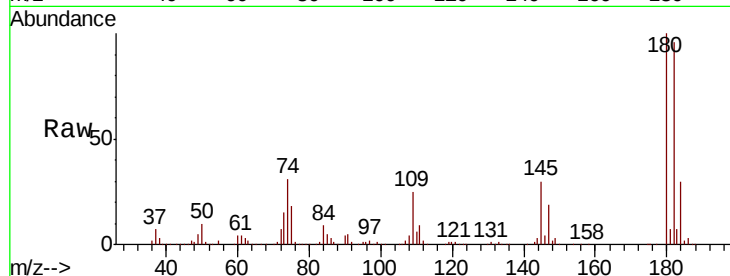




#67
 1,3,5-Trichlorobenzene
 Concen: 109.514 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV016651.D
 Acq: 08 Jun 2020 11:26

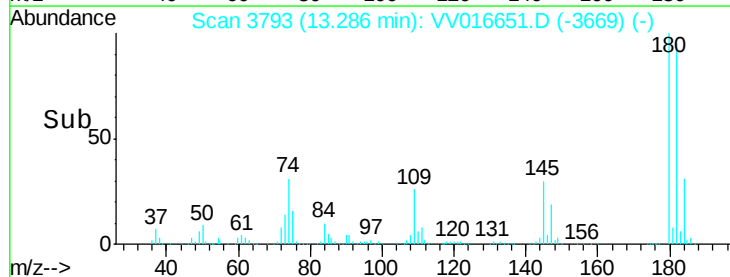
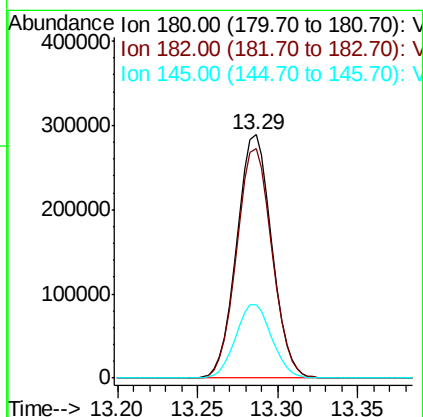
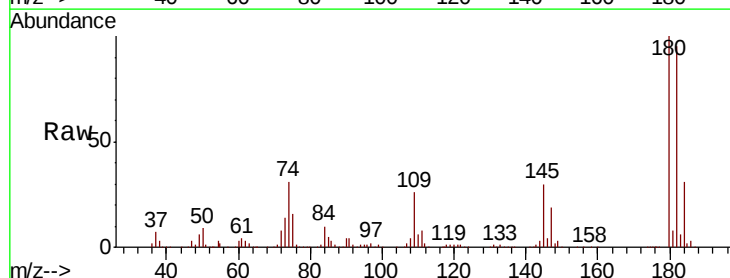
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10066

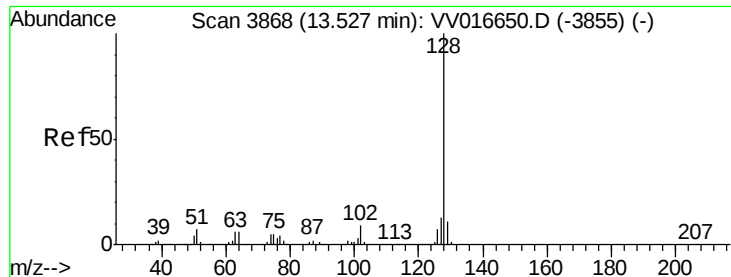
Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	75.0	112.6
184	30.4	24.5	36.7
145	30.1	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 109.734 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV016651.D
 Acq: 08 Jun 2020 11:26

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.3	76.9	115.3
145	31.1	25.2	37.8





#69

Naphthalene

Concen: 105.203 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Instrument :

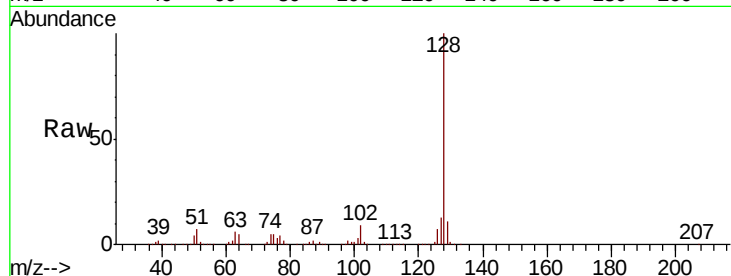
MSVOA_V

ClientSampleId :

VSTD10066

Tot Ion:128 Resp: 1256997

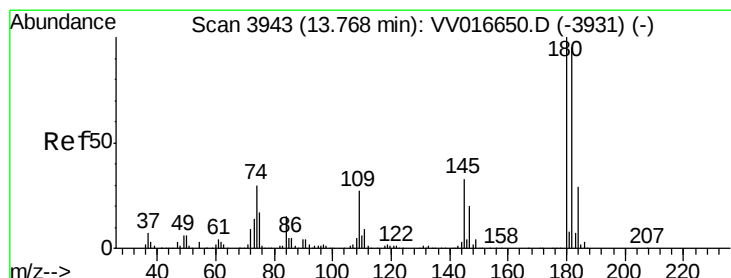
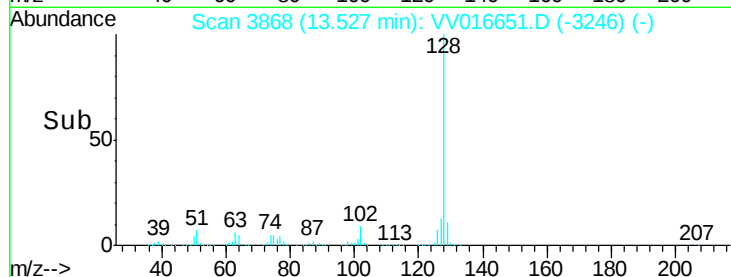
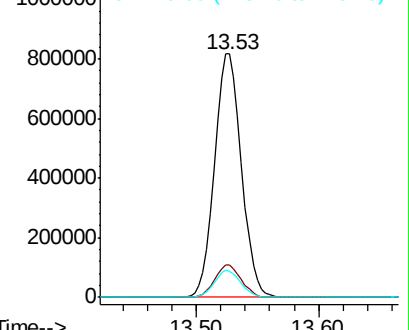
Ion	Ratio	Lower	Upper
128	100		
127	13.2	10.5	15.7
129	10.9	8.7	13.1



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: 110.545 ug/L

RT: 13.77 min Scan# 3943

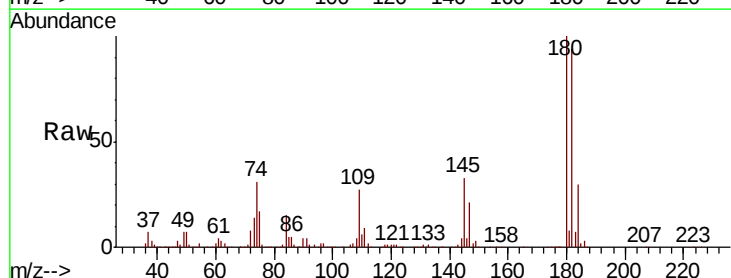
Delta R.T. 0.00 min

Lab File: VV016651.D

Acq: 08 Jun 2020 11:26

Tgt Ion:180 Resp: 415058

Ion	Ratio	Lower	Upper
180	100		
182	94.1	76.5	114.7
145	32.8	26.1	39.1



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

