

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
 Data File : VV016649.D
 Acq On : 08 Jun 2020 10:39
 Operator : SY/MD
 Sample : VSTD01064
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

Quant Time: Jun 09 00:29:51 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	411452	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	383018	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	188916	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	27760	9.40	ug/L	0.00
7) Chloroethane-d5	1.57	69	14102	6.85	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	47129	9.09	ug/L	0.00
21) 2-Butanone-d5	3.91	46	38959	19.76	ug/L	0.01
24) Chloroform-d	4.38	84	56422	10.01	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	38058	10.06	ug/L	0.00
32) Benzene-d6	5.07	84	105480	10.02	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	32694	9.92	ug/L	0.00
41) Toluene-d8	7.34	98	96637	10.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	16126	10.00	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	25133	17.59	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	42661	9.58	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	38761	10.44	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	33640	9.661 ug/L	99
3) Chloromethane	1.25	50	30389	9.218 ug/L	94
5) Vinyl chloride	1.32	62	29480	9.137 ug/L	100
6) Bromomethane	1.52	94	11274	7.098 ug/L	98
8) Chloroethane	1.59	64	13715	7.787 ug/L	95
9) Trichlorofluoromethane	1.76	101	43427	9.290 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	22333	9.265 ug/L	98
12) 1,1-Dichloroethene	2.13	96	21027	9.144 ug/L	96
13) Acetone	2.18	43	27525	15.923 ug/L	97
14) Carbon disulfide	2.31	76	69773	8.688 ug/L	100
15) Methyl Acetate	2.44	43	31440	9.559 ug/L	99
16) Methylene chloride	2.52	84	29696	9.033 ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	27910	9.494 ug/L	99
18) Methyl tert-butyl Ether	2.78	73	89931	9.706 ug/L	99
19) 1,1-Dichloroethane	3.21	63	52276	9.537 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	30105	9.450 ug/L	92
22) 2-Butanone	3.99	43	40819	18.214 ug/L	96
23) Bromochloromethane	4.27	128	15786	9.605 ug/L	94
25) Chloroform	4.40	83	54274	9.494 ug/L	98
27) 1,2-Dichloroethane	5.15	62	45726	9.785 ug/L	96
29) Cyclohexane	4.70	56	46886	9.946 ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	48277	9.975 ug/L	99
31) Carbon tetrachloride	4.85	117	42146	10.064 ug/L	98
33) Benzene	5.12	78	115549	9.986 ug/L	100
34) Trichloroethene	5.94	95	30740	10.076 ug/L	97
35) Methylcyclohexane	6.15	83	47851	10.765 ug/L	99
37) 1,2-Dichloropropane	6.20	63	28681	9.511 ug/L	# 97
38) Bromodichloromethane	6.53	83	38436	9.825 ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	44040	9.899 ug/L	98
40) 4-Methyl-2-pentanone	7.25	43	80649	19.170 ug/L	100

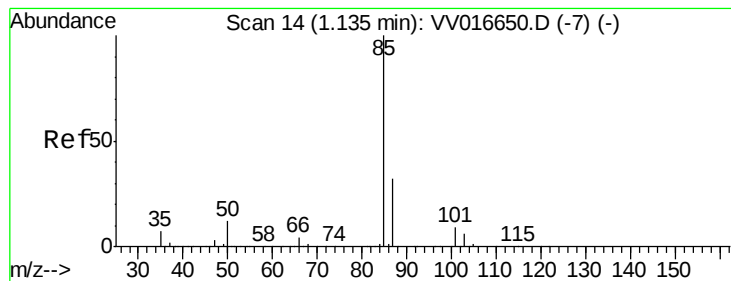
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV060820\
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 Quant Title : VOC Analysis
 QLast Update : Tue Jun 09 00:27:49 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	122114	9.975	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	41012	9.362	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	29401	10.093	ug/L	96
46) Tetrachloroethene	8.00	164	23532	9.972	ug/L	95
48) 2-Hexanone	8.16	43	60824	18.618	ug/L	97
49) Dibromochloromethane	8.27	129	28904	9.967	ug/L	97
50) 1,2-Dibromoethane	8.37	107	29791	9.679	ug/L	99
51) Chlorobenzene	8.90	112	80552	10.014	ug/L	96
52) Ethylbenzene	9.04	91	132360	9.860	ug/L	99
53) m,p-Xylene	9.16	106	47985	9.499	ug/L	100
54) o-xylene	9.57	106	49952	10.216	ug/L	96
55) Styrene	9.58	104	80725	9.484	ug/L	98
56) Isopropylbenzene	9.95	105	131088	10.221	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.26	83	43546	9.365	ug/L	97
59) 1,2,3-Trichloropropane	10.30	75	35865	9.483	ug/L	98
61) Bromoform	9.76	173	17332	10.034	ug/L	98
62) 1,3-Dichlorobenzene	11.21	146	60127	9.900	ug/L	100
63) 1,4-Dichlorobenzene	11.30	146	63370	10.098	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	60567	9.881	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	8473	8.972	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	43639	10.474	ug/L	98
68) 1,2,4-trichlorobenzene	13.29	180	38604	9.976	ug/L	98
69) Naphthalene	13.53	128	107819	9.124	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	37410	10.075	ug/L	96

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



#2

Dichlorodifluoromethane

Concen: 9.661 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

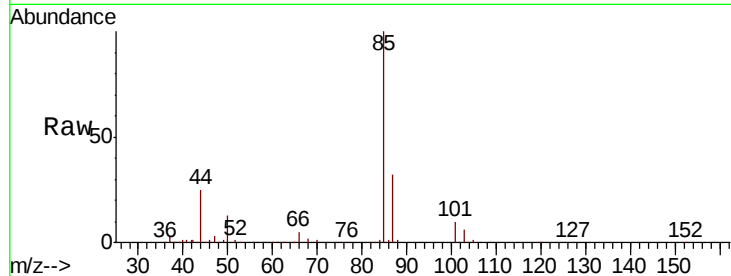
VSTD01064

Tot Ion: 85 Resp: 33640

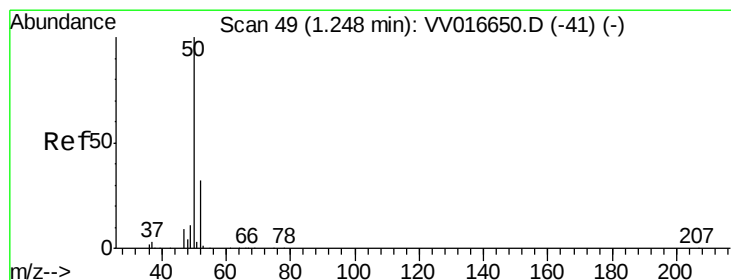
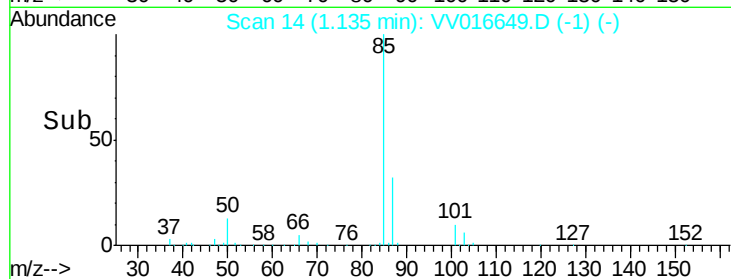
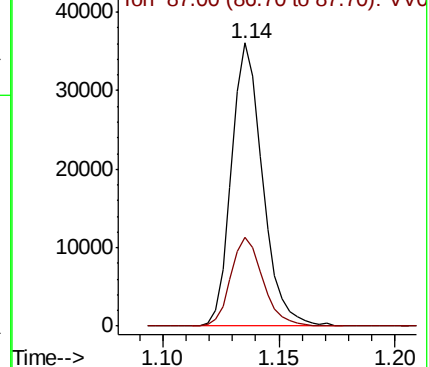
Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV016649.D (-1) (-)



#3

Chloromethane

Concen: 9.218 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV016649.D

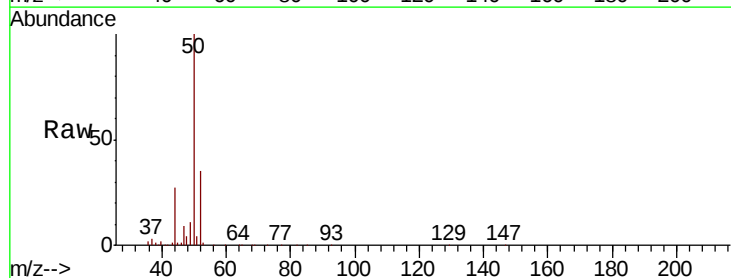
Acq: 08 Jun 2020 10:39

Tgt Ion: 50 Resp: 30389

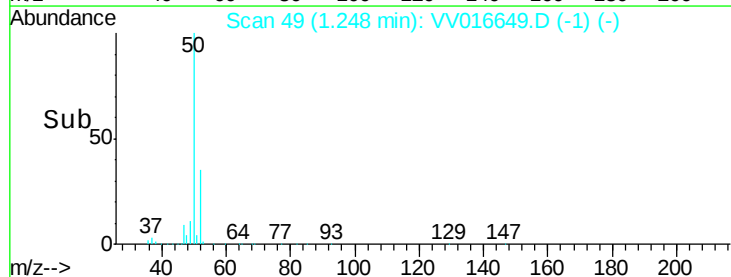
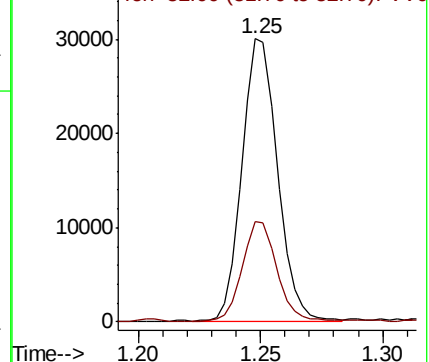
Ion Ratio Lower Upper

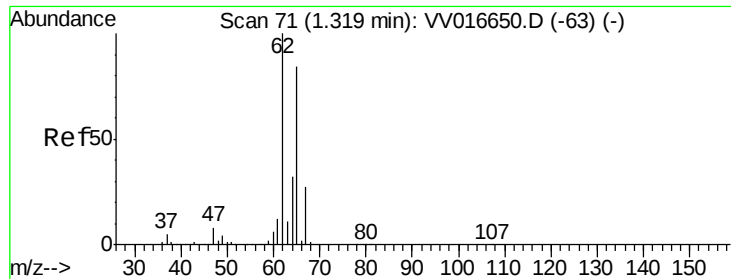
50 100

52 35.3 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV016649.D (-1) (-)





#5

Vinyl chloride

Concen: 9.137 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

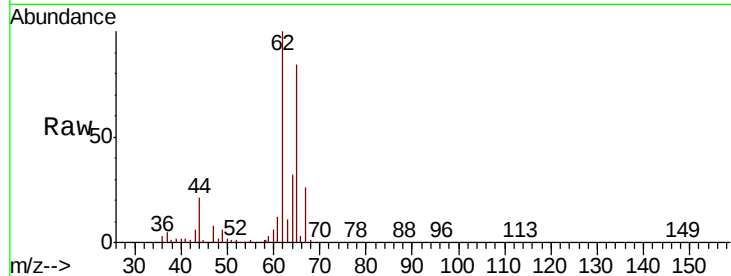
VSTD01064

Tot Ion: 62 Resp: 29480

Ion Ratio Lower Upper

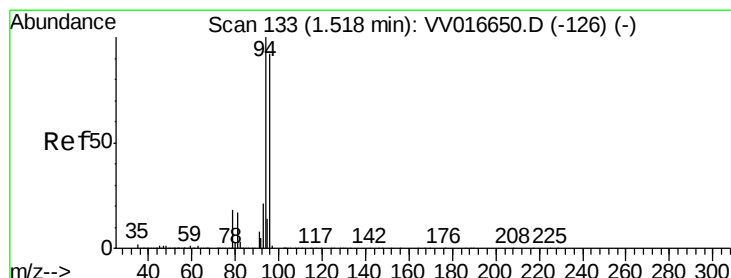
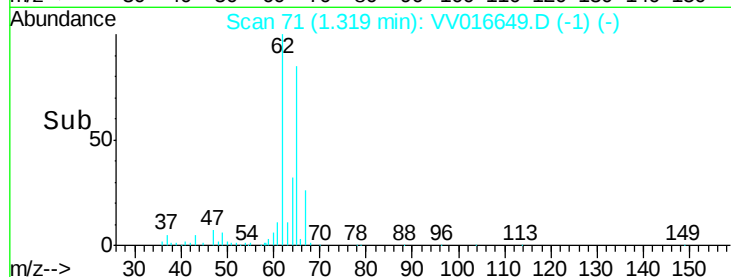
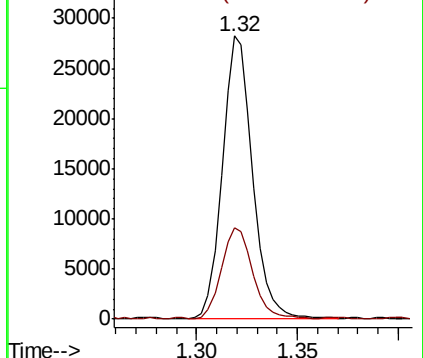
62 100

64 32.2 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: 7.098 ug/L

RT: 1.52 min Scan# 135

Delta R.T. 0.01 min

Lab File: VV016649.D

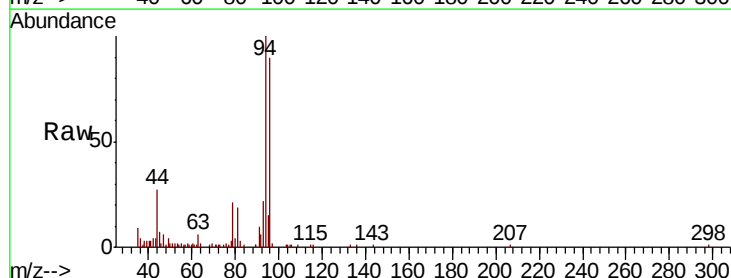
Acq: 08 Jun 2020 10:39

Tgt Ion: 94 Resp: 11274

Ion Ratio Lower Upper

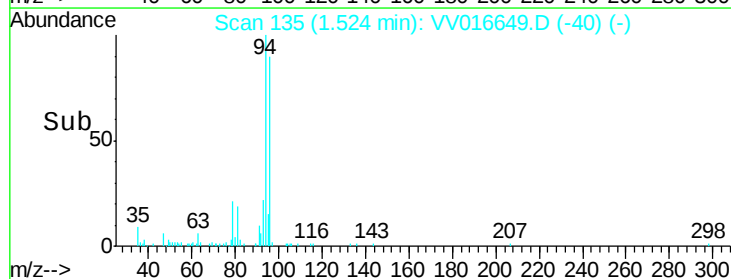
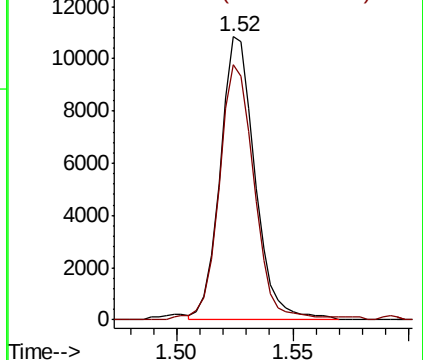
94 100

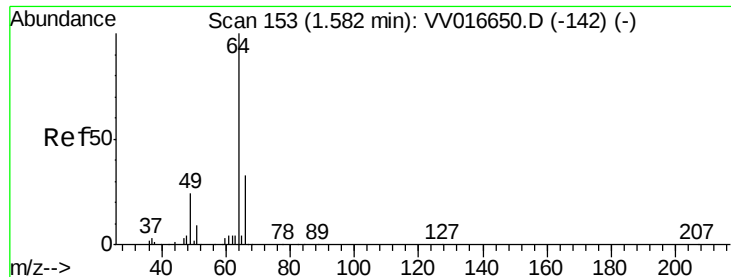
96 90.2 64.5 119.9



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 7.787 ug/L

RT: 1.59 min Scan# 154

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

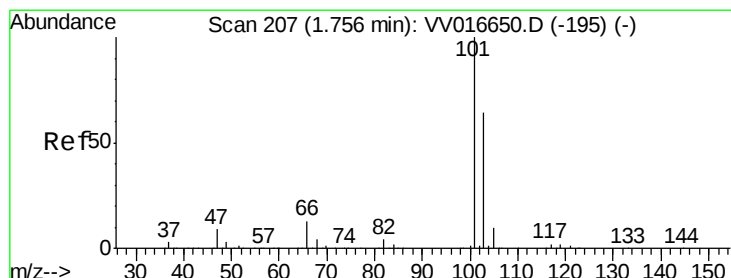
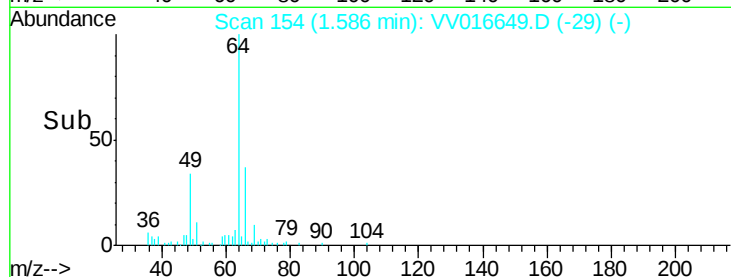
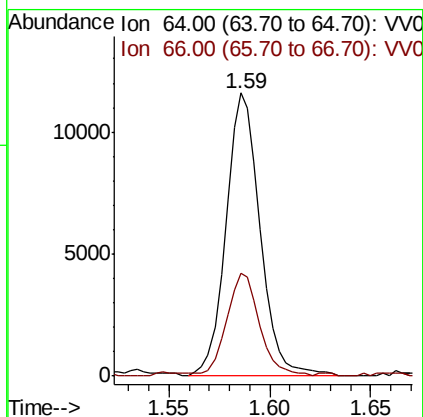
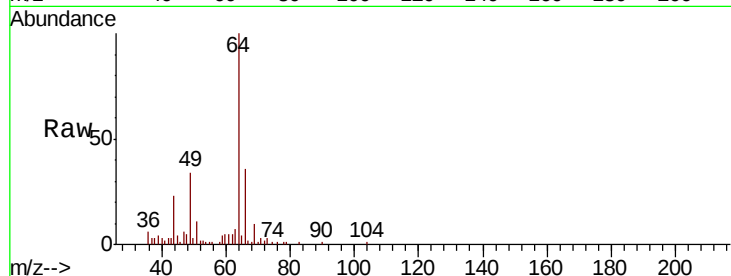
VSTD01064

Tot Ion: 64 Resp: 13715

Ion Ratio Lower Upper

64 100

66 36.2 23.2 43.0



#9

Trichlorofluoromethane

Concen: 9.290 ug/L

RT: 1.76 min Scan# 208

Delta R.T. 0.00 min

Lab File: VV016649.D

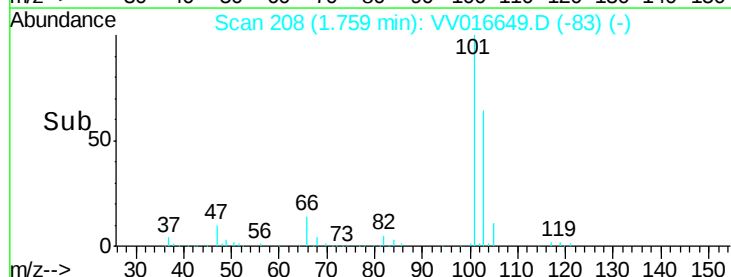
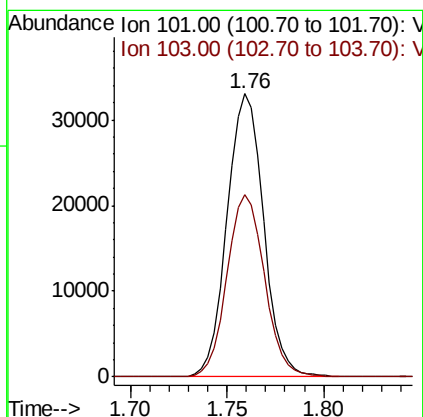
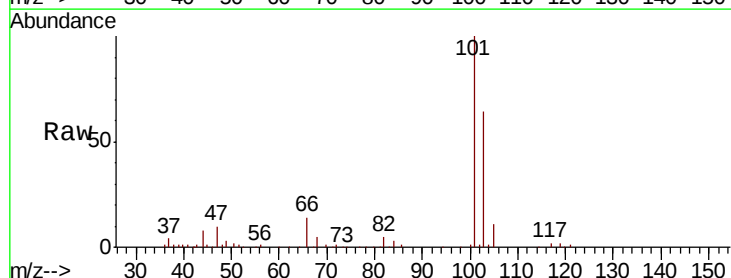
Acq: 08 Jun 2020 10:39

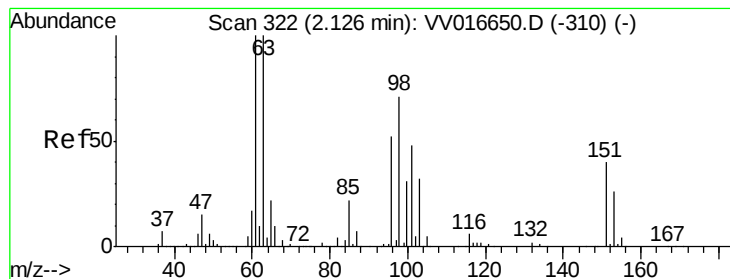
Tgt Ion: 101 Resp: 43427

Ion Ratio Lower Upper

101 100

103 66.1 51.3 76.9





#10

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

Concen: 9.265 ug/L

RT: 2.13 min Scan# 323

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

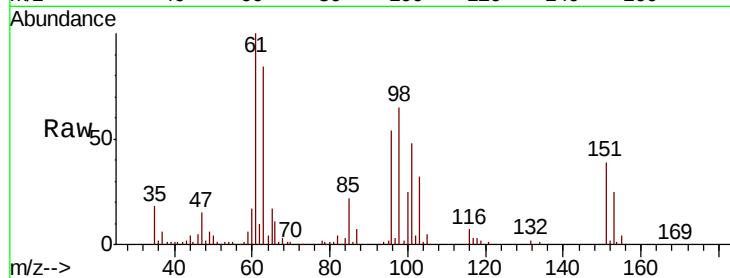
Tot Ion:101 Resp: 22333

Ion Ratio Lower Upper

101 100

85 45.5 35.5 53.3

151 81.1 63.9 95.9

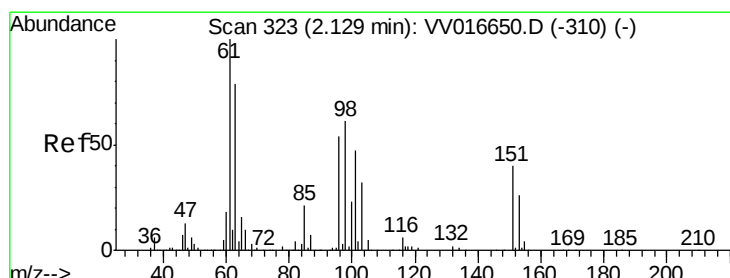
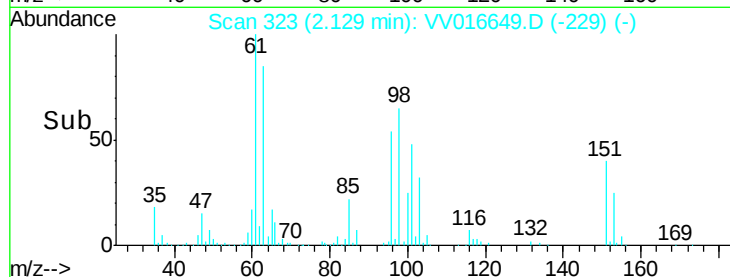


Abundance Ion 101.00 (100.70 to 101.70): VV016649.D (-229) (-)

Ion 85.00 (84.70 to 85.70): VV016649.D (-229) (-)

Ion 151.00 (150.70 to 151.70): VV016649.D (-229) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 9.144 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

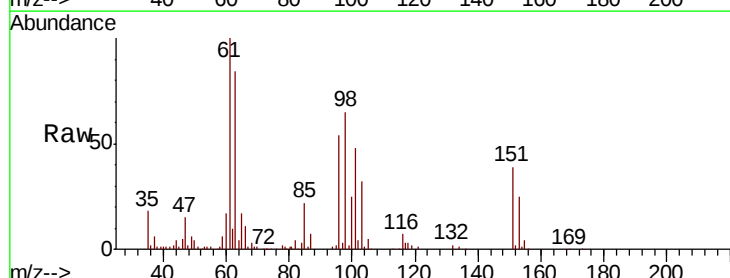
Tgt Ion: 96 Resp: 21027

Ion Ratio Lower Upper

96 100

61 186.5 130.4 242.2

63 157.5 103.3 191.9

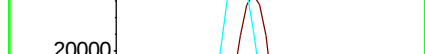
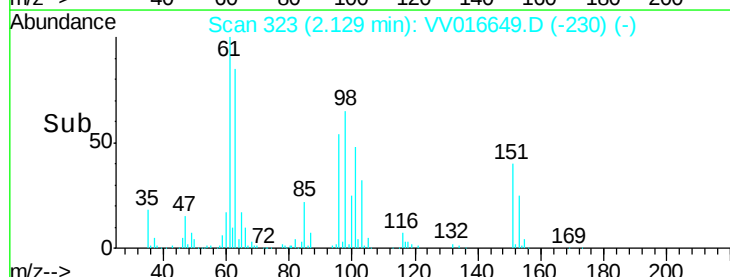


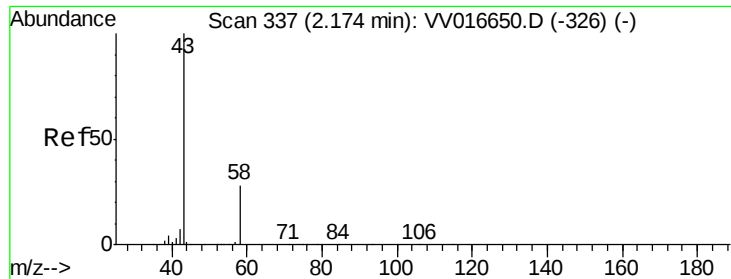
Abundance Ion 96.00 (95.70 to 96.70): VV016649.D (-230) (-)

Ion 61.00 (60.70 to 61.70): VV016649.D (-230) (-)

Ion 63.00 (62.70 to 63.70): VV016649.D (-230) (-)

Time-->





#13

Acetone

Concen: 15.923 ug/L

RT: 2.18 min Scan# 338

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

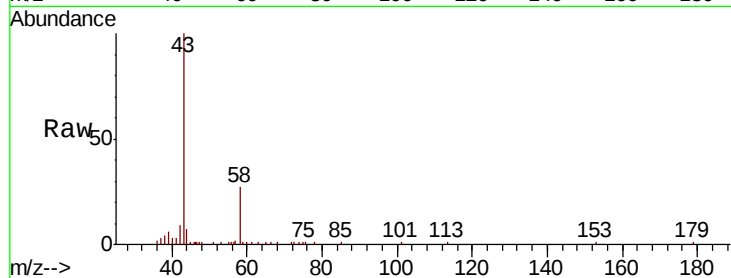
VSTD01064

Tot Ion: 43 Resp: 27525

Ion Ratio Lower Upper

43 100

58 29.0 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) (-)

20000

15000

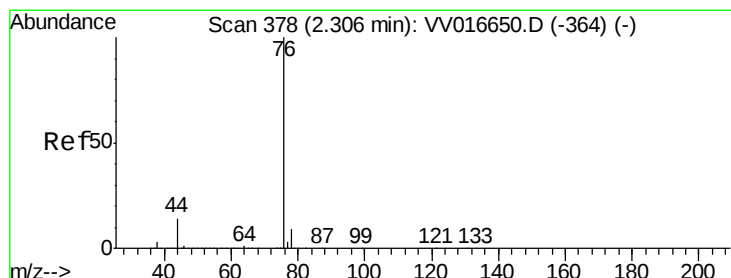
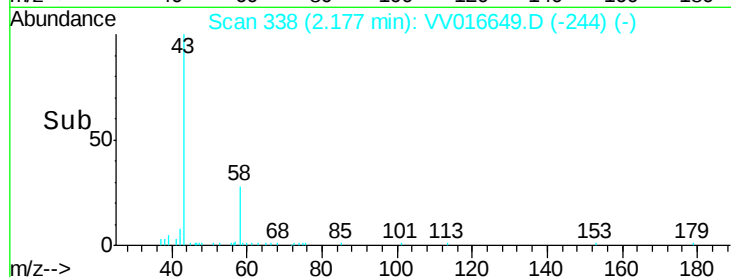
10000

5000

0

Time--> 2.10 2.15 2.20 2.25

2.18



#14

Carbon disulfide

Concen: 8.688 ug/L

RT: 2.31 min Scan# 378

Delta R.T. -0.00 min

Lab File: VV016649.D

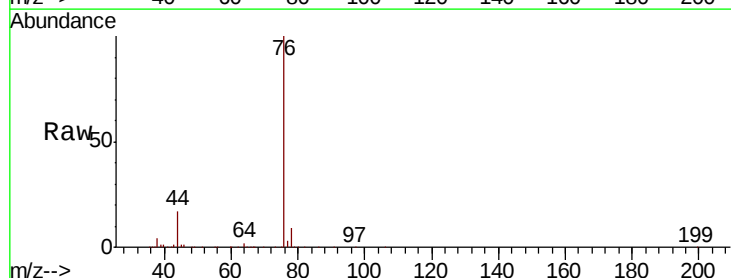
Acq: 08 Jun 2020 10:39

Tgt Ion: 76 Resp: 69773

Ion Ratio Lower Upper

76 100

78 9.0 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) (-)

50000

40000

30000

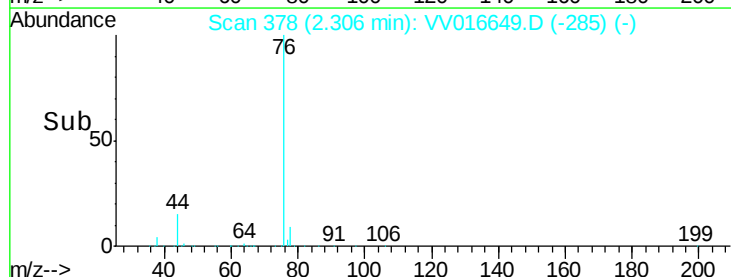
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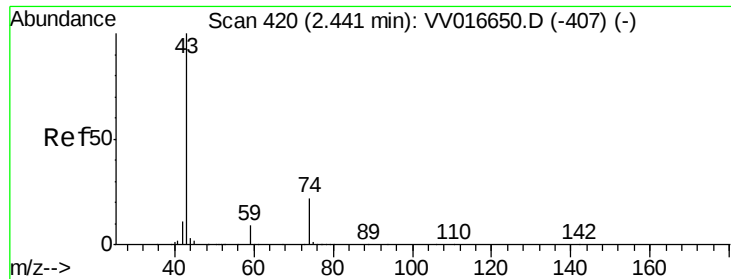
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0

Time--> 2.25 2.30 2.35

2.31

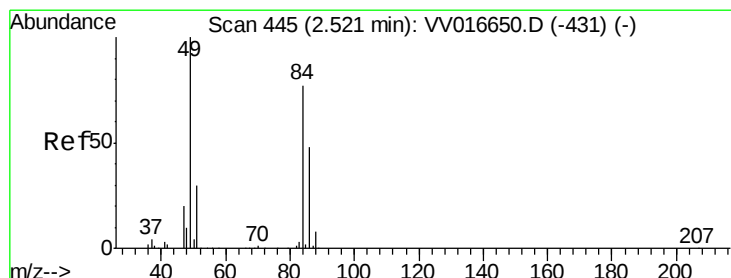
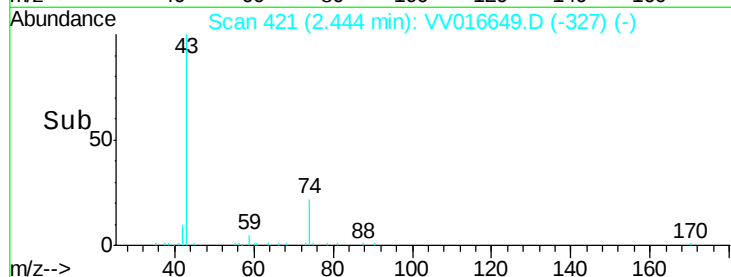
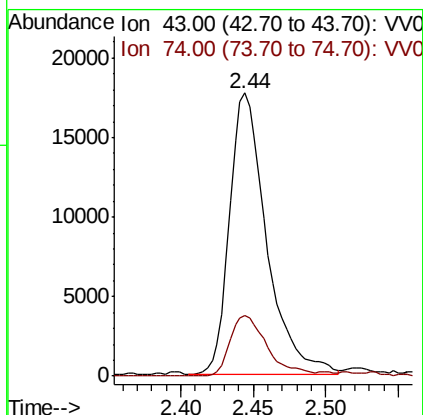
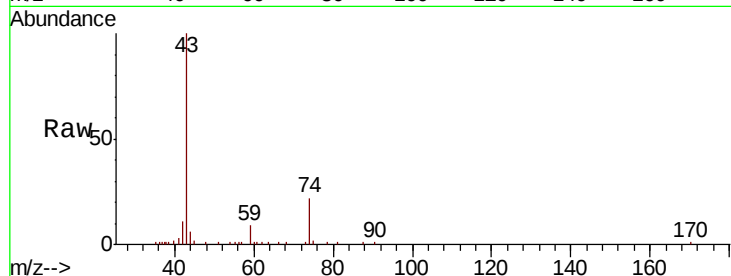




#15
Methvl Acetate
Concen: 9.559 ug/L
RT: 2.44 min Scan# 421
Delta R.T. 0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

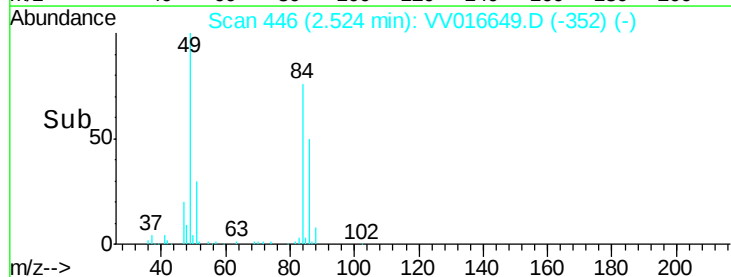
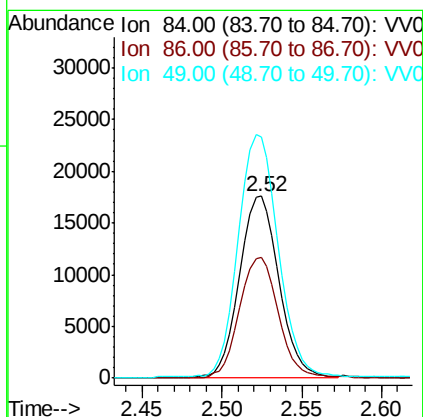
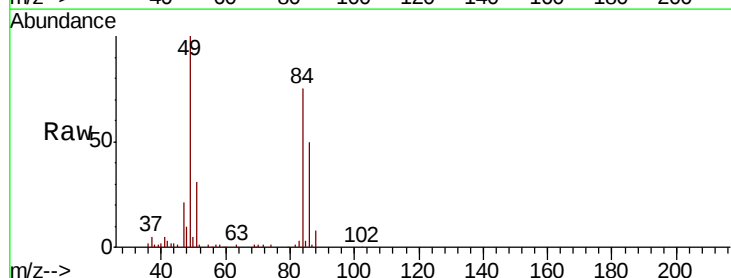
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

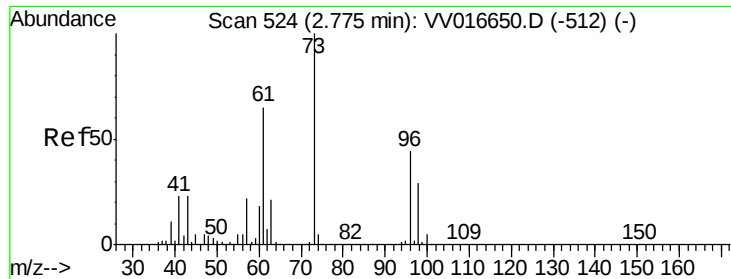
Tot Ion: 43 Resp: 31440
Ion Ratio Lower Upper
43 100
74 21.8 17.9 26.9



#16
Methylene chloride
Concen: 9.033 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Tgt Ion: 84 Resp: 29696
Ion Ratio Lower Upper
84 100
86 66.7 44.0 81.8
49 132.8 90.9 168.9





#17

trans-1,2-Dichloroethene

Concen: 9.494 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

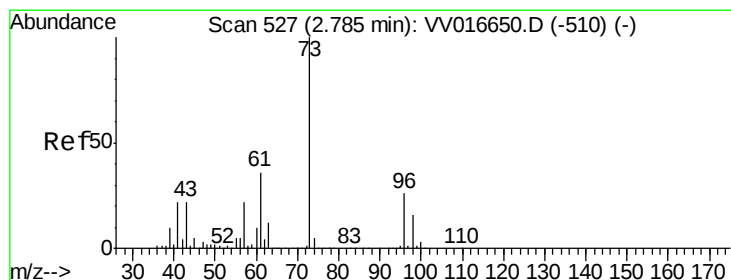
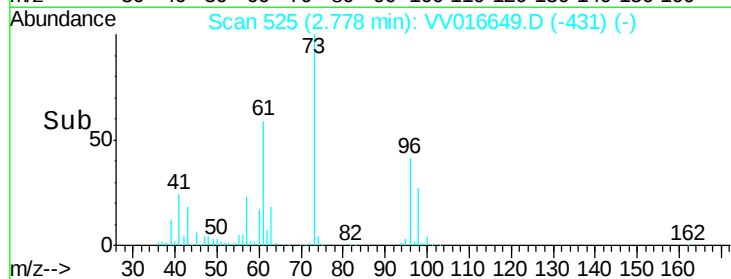
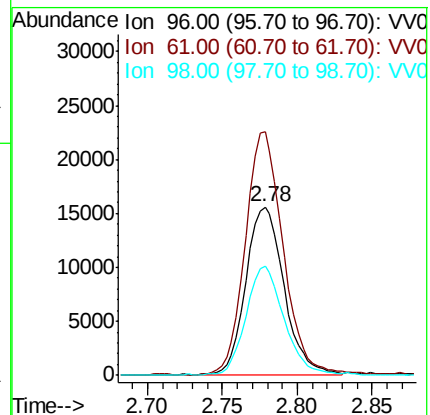
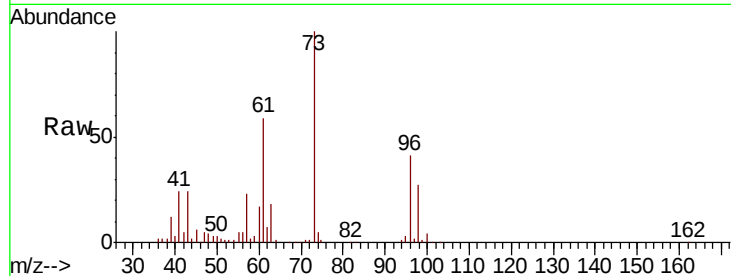
Tot Ion: 96 Resp: 27910

Ion Ratio Lower Upper

96 100

61 144.7 102.9 191.1

98 64.8 45.5 84.5



#18

Methyl tert-butyl Ether

Concen: 9.706 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

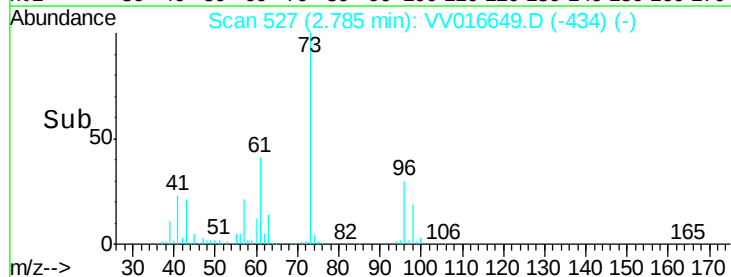
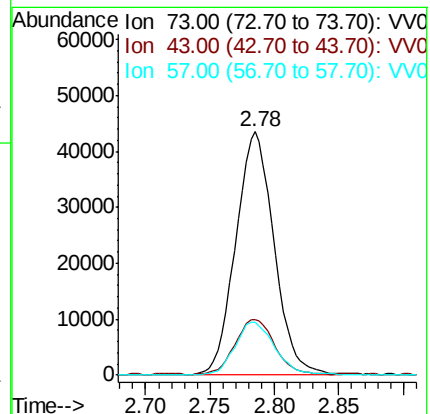
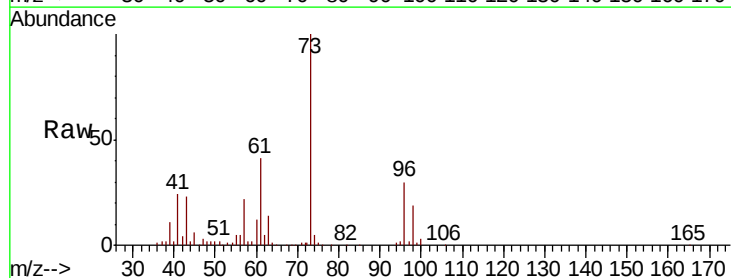
Tgt Ion: 73 Resp: 89931

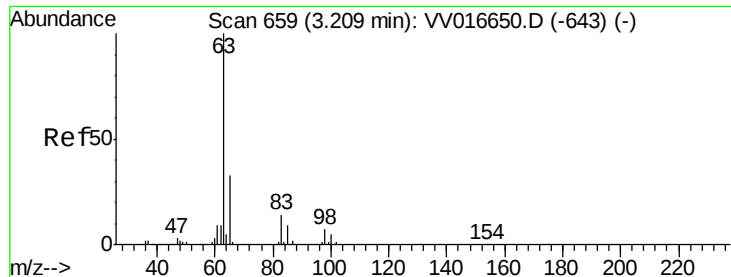
Ion Ratio Lower Upper

73 100

43 23.1 17.8 26.6

57 22.6 17.7 26.5





#19

1,1-Dichloroethane

Concen: 9.537 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

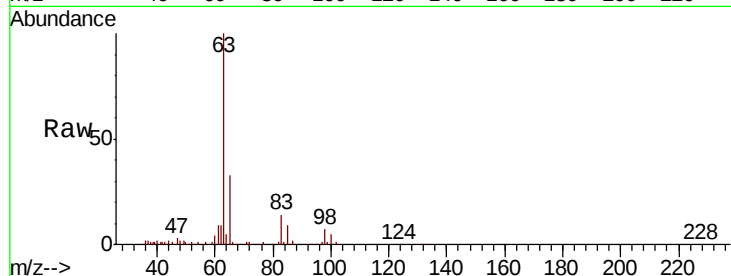
Tot Ion: 63 Resp: 52276

Ion Ratio Lower Upper

63 100

65 32.7 23.2 43.0

83 13.7 10.0 18.6

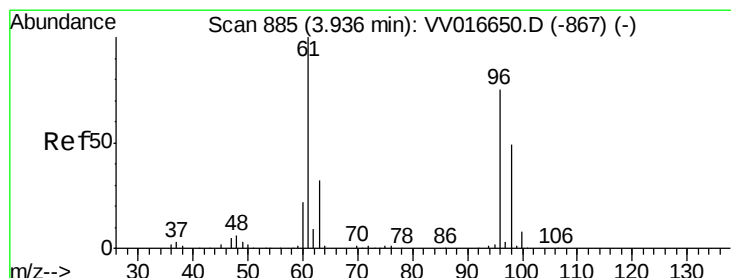
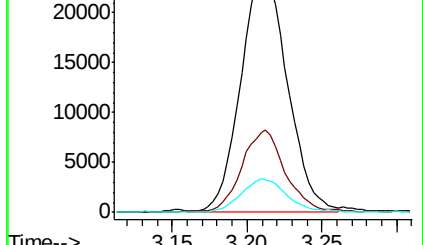
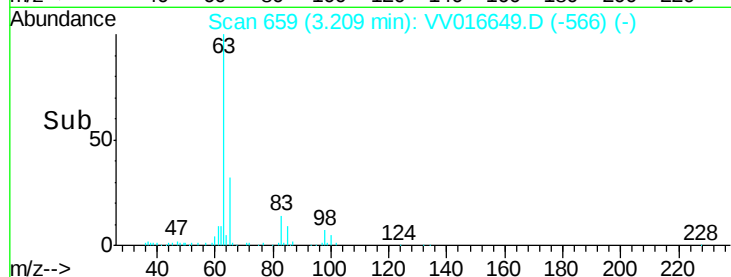


Abundance Ion 63.00 (62.70 to 63.70): VV016649.D (-566) (-)

Ion 65.00 (64.70 to 65.70): VV016649.D (-566) (-)

Ion 83.00 (82.70 to 83.70): VV016649.D (-566) (-)

Time-->



#20

cis-1,2-Dichloroethene

Concen: 9.450 ug/L

RT: 3.94 min Scan# 885

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

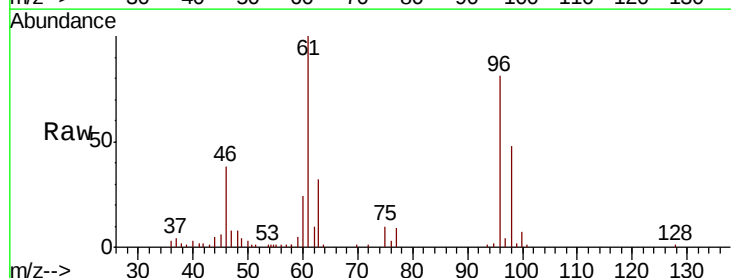
Tgt Ion: 96 Resp: 30105

Ion Ratio Lower Upper

96 100

61 124.2 93.4 173.4

68 0.0 0.0 0.0

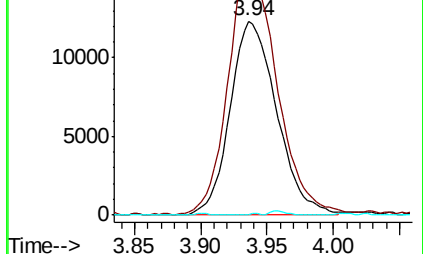
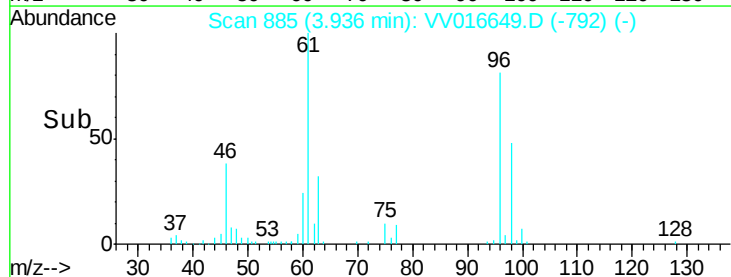


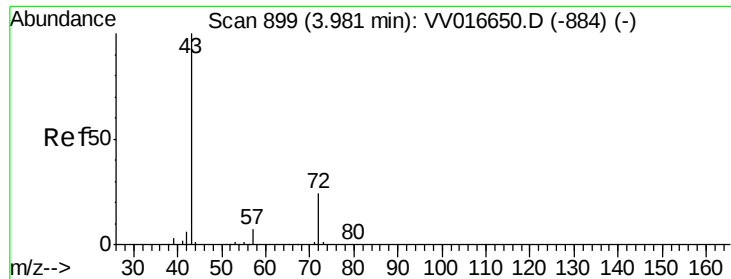
Abundance Ion 96.00 (95.70 to 96.70): VV016649.D (-792) (-)

Ion 61.00 (60.70 to 61.70): VV016649.D (-792) (-)

Ion 68.00 (67.70 to 68.70): VV016649.D (-792) (-)

Time-->





#22

2-Butanone

Concen: 18.214 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

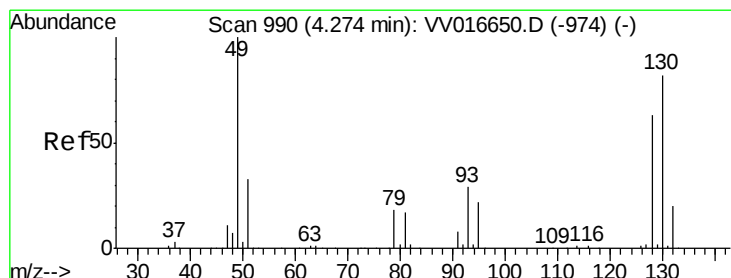
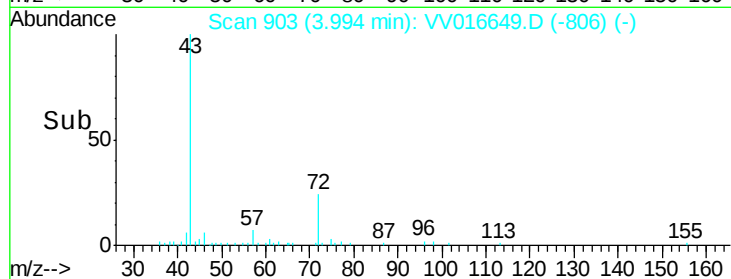
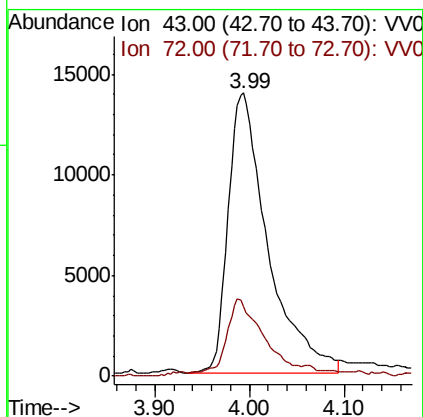
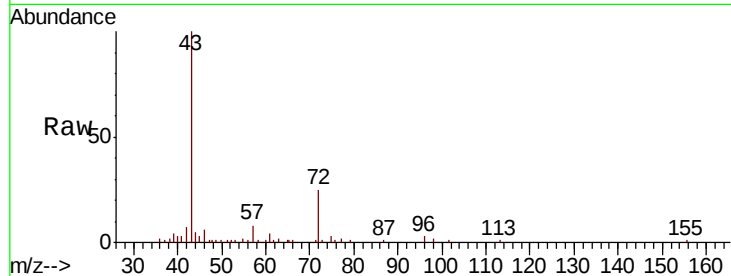
VSTD01064

Tot Ion: 43 Resp: 40819

Ion Ratio Lower Upper

43 100

72 22.8 12.4 37.4



#23

Bromochloromethane

Concen: 9.605 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Tgt Ion: 128 Resp: 15786

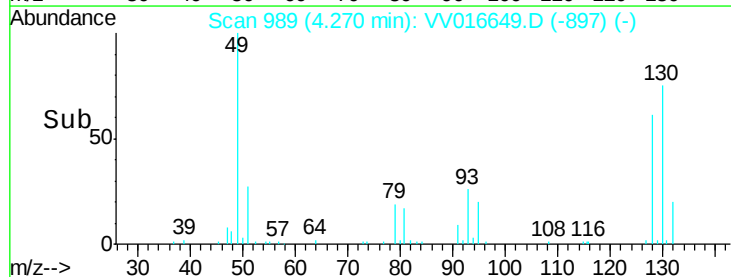
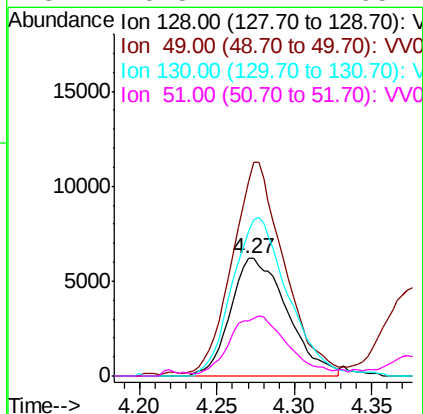
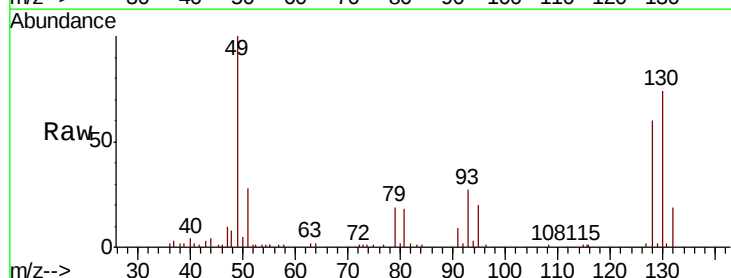
Ion Ratio Lower Upper

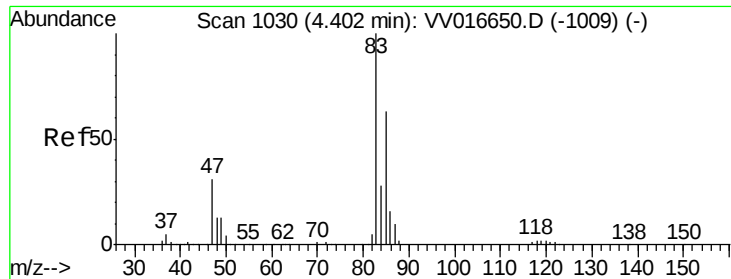
128 100

49 166.1 111.9 207.9

130 122.8 91.5 169.9

51 46.8 42.1 63.1

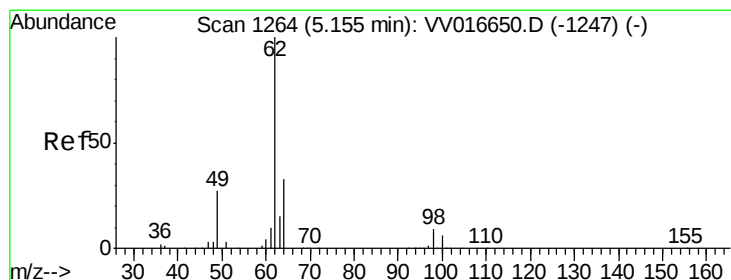
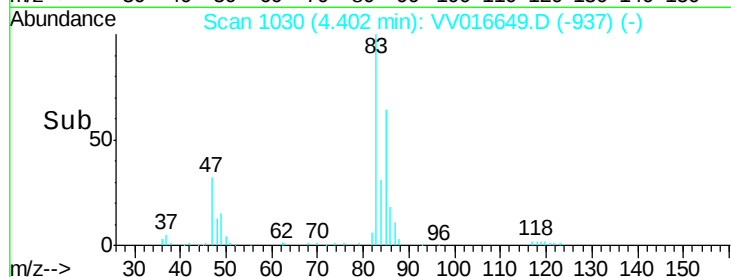
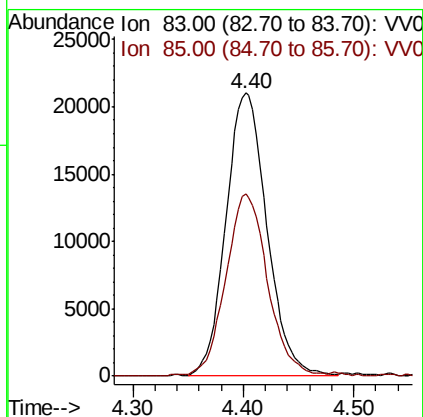
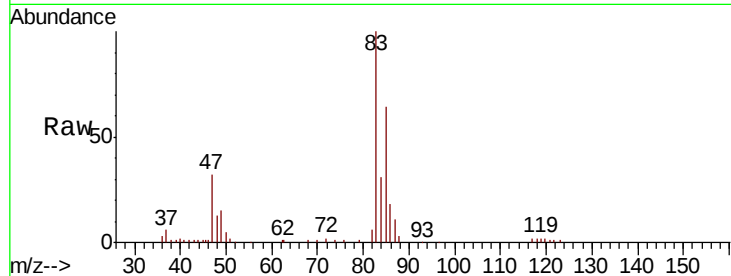




#25
Chloroform
Concen: 9.494 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

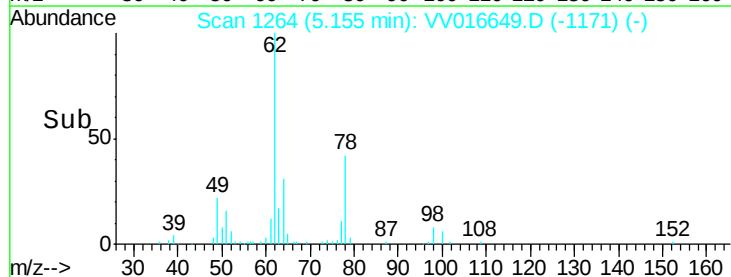
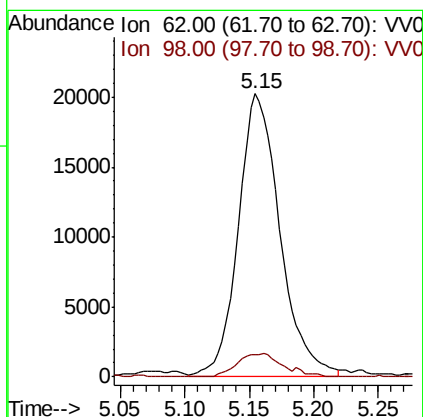
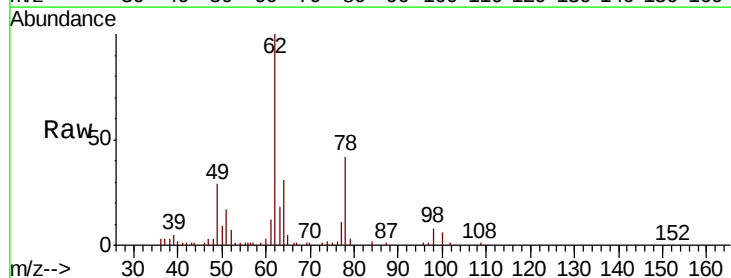
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

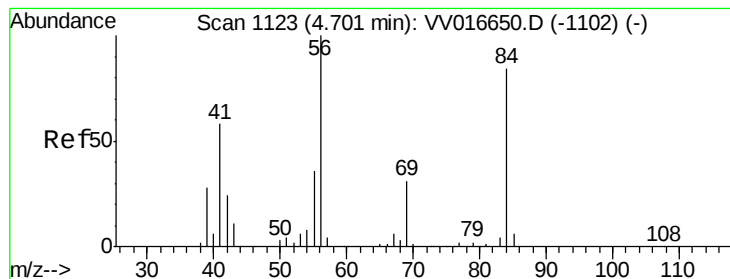
Tot Ion: 83 Resp: 54274
Ion Ratio Lower Upper
83 100
85 64.5 44.1 81.9



#27
1,2-Dichloroethane
Concen: 9.785 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Tgt Ion: 62 Resp: 45726
Ion Ratio Lower Upper
62 100
98 8.0 7.4 11.2





#29

Cyclohexane

Concen: 9.946 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

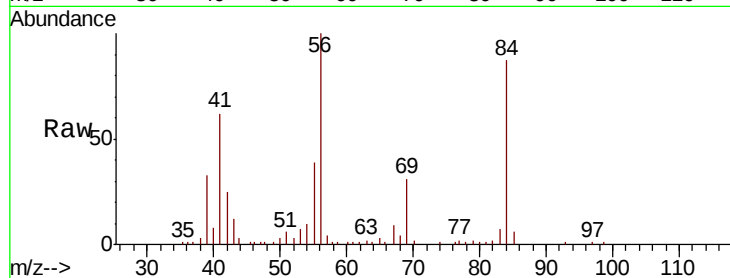
Tot Ion: 56 Resp: 46886

Ion Ratio Lower Upper

56 100

69 30.2 25.0 37.4

84 87.9 69.5 104.3

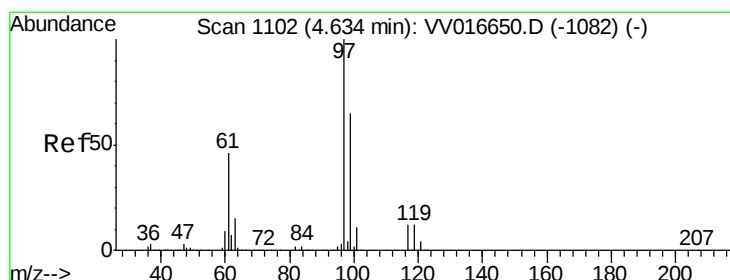
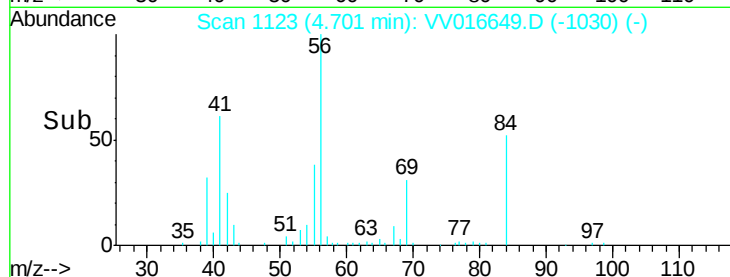
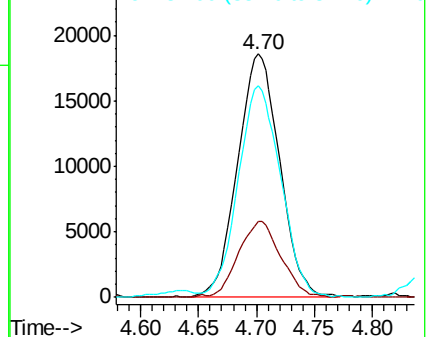


Abundance

Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 9.975 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

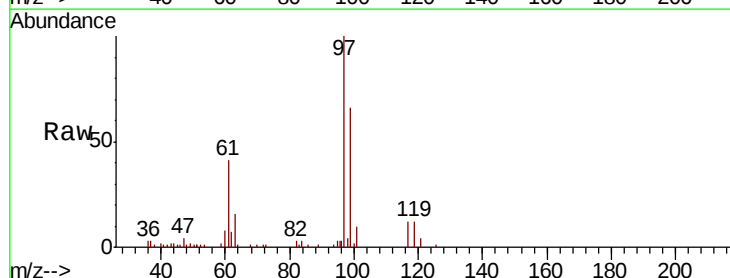
Tgt Ion: 97 Resp: 48277

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

61 46.0 36.7 55.1

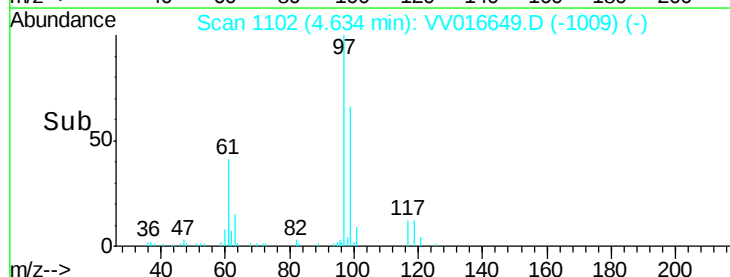
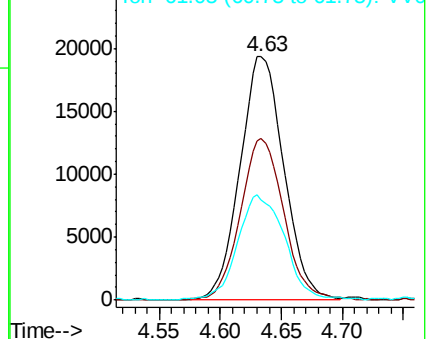


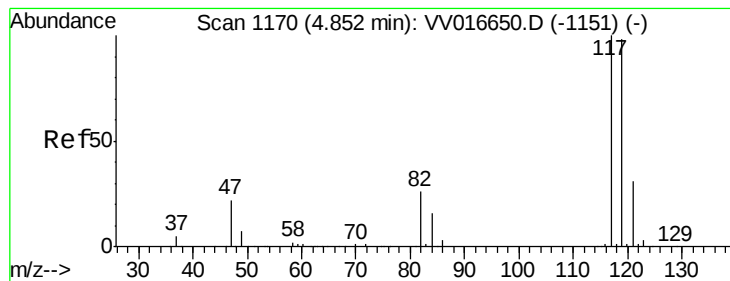
Abundance

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: 10.064 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

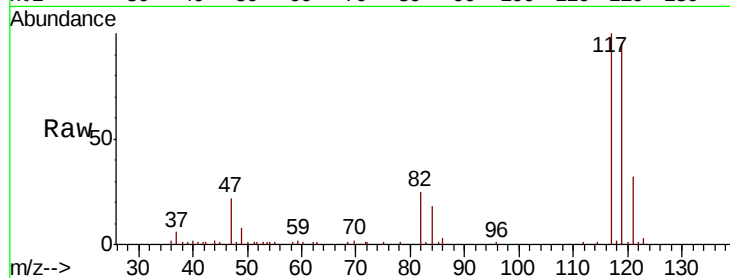
VSTD01064

Tot Ion:117 Resp: 42146

Ion Ratio Lower Upper

117 100

119 94.5 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.85

15000

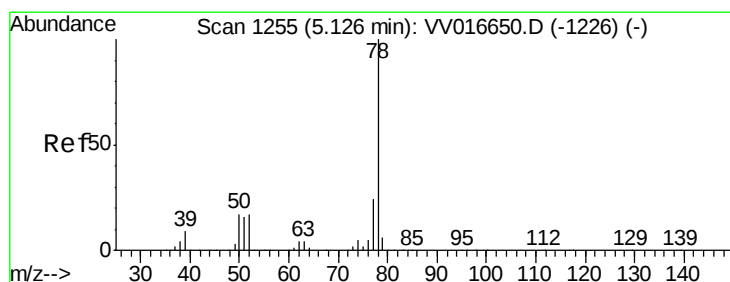
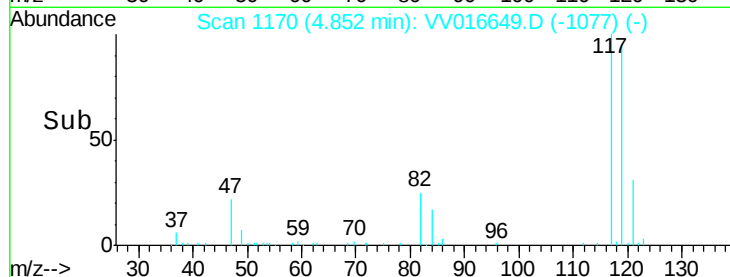
10000

5000

0

4.75 4.80 4.85 4.90 4.95

Time-->



#33

Benzene

Concen: 9.986 ug/L

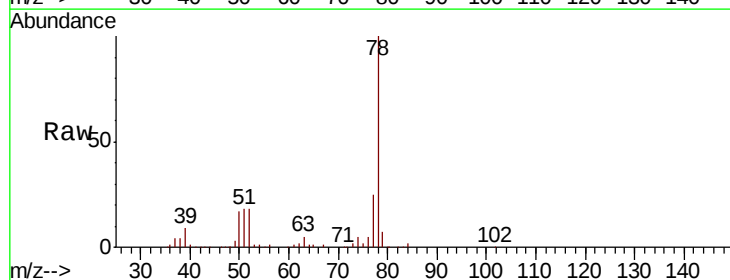
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Tgt Ion: 78 Resp: 115549



Abundance Ion 78.00 (77.70 to 78.70): VV0

60000

50000

40000

30000

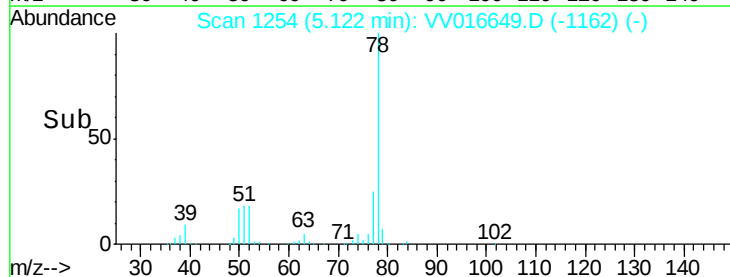
20000

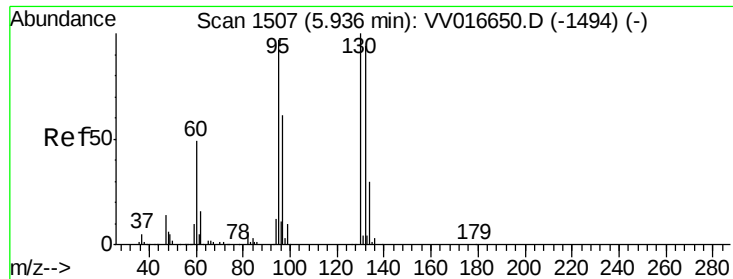
10000

0

5.00 5.10 5.20

Time-->

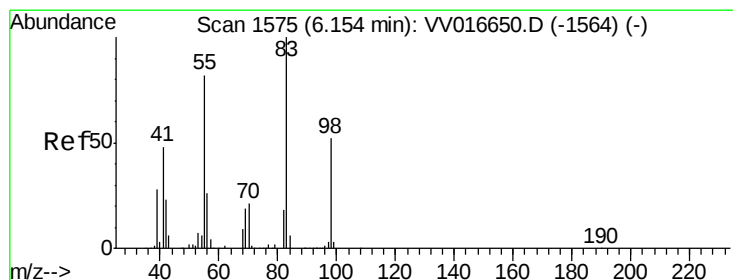
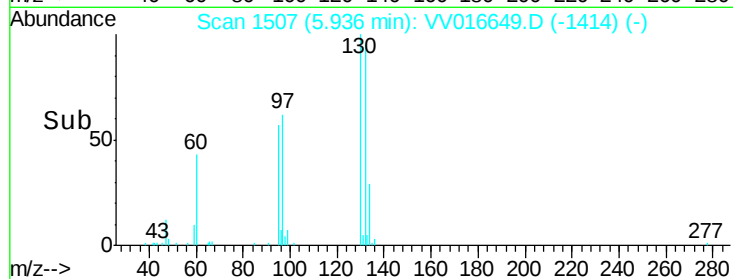
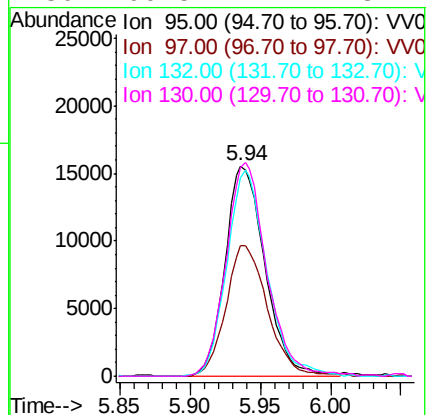
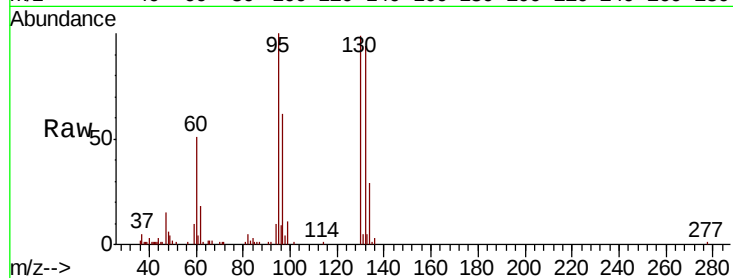




#34
 Trichloroethene
 Concen: 10.076 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

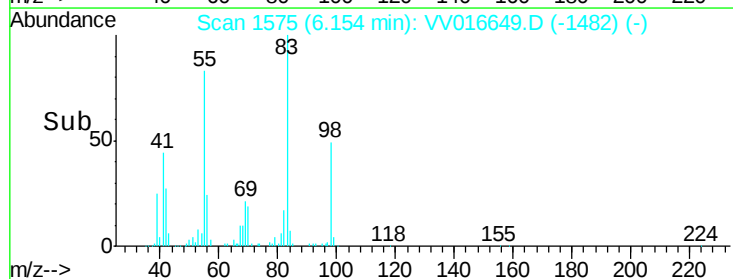
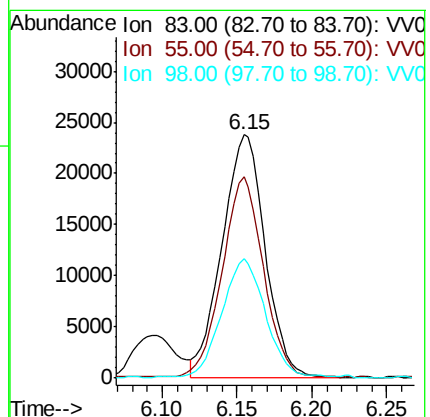
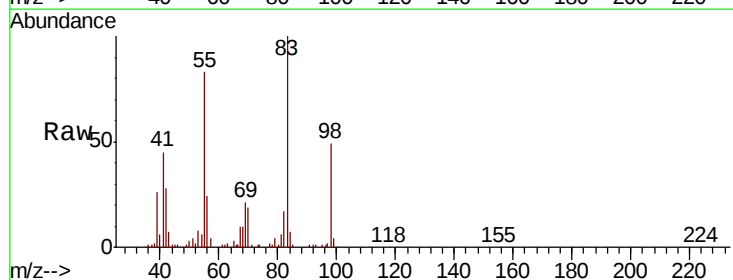
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

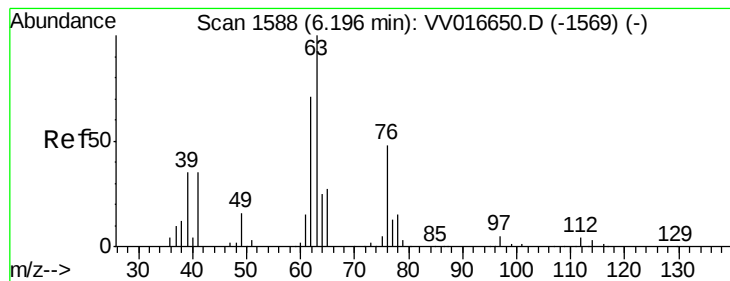
Tot Ion:	95	Resp:	30740
Ion	Ratio	Lower	Upper
95	100		
97	61.9	44.3	82.3
132	94.2	67.9	126.1
130	99.5	72.2	134.2



#35
 Methylcyclohexane
 Concen: 10.765 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

Tgt Ion:	83	Resp:	47851
Ion	Ratio	Lower	Upper
83	100		
55	80.0	64.2	96.2
98	48.1	40.3	60.5





#37

1,2-Dichloropropane

Concen: 9.511 ug/L

RT: 6.20 min Scan# 1589

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

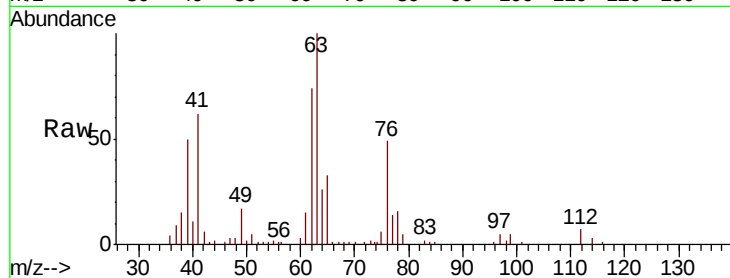
VSTD01064

Tot Ion: 63 Resp: 28681

Ion Ratio Lower Upper

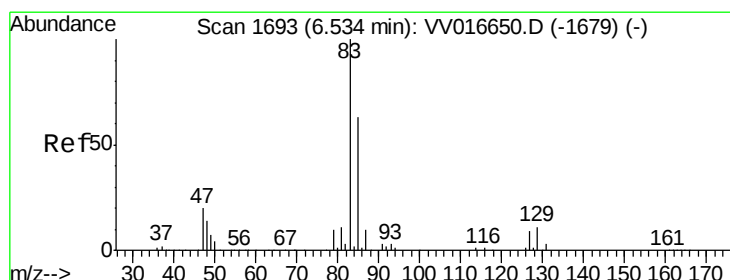
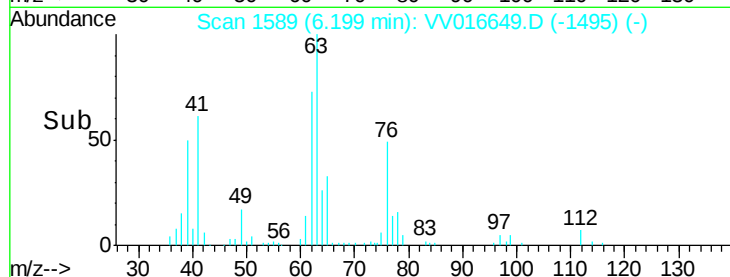
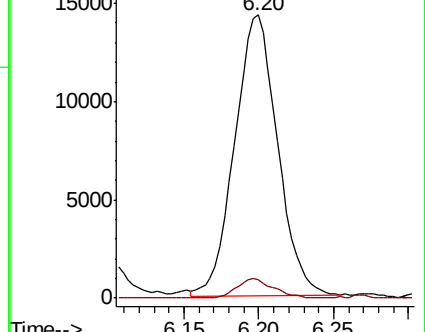
63 100

112 5.9 3.8 5.6#



Abundance Ion 63.00 (62.70 to 63.70): VV016650.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV016650.D (-1569) (-)



#38

Bromodichloromethane

Concen: 9.825 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

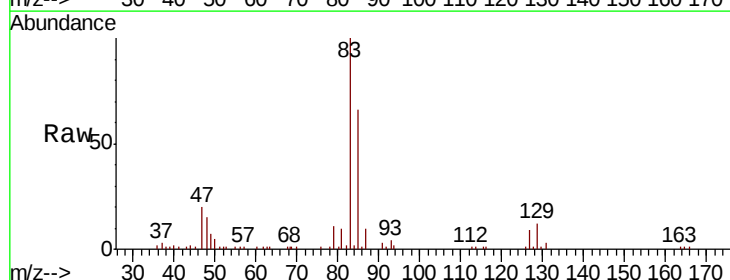
Tgt Ion: 83 Resp: 38436

Ion Ratio Lower Upper

83 100

85 65.6 44.4 82.5

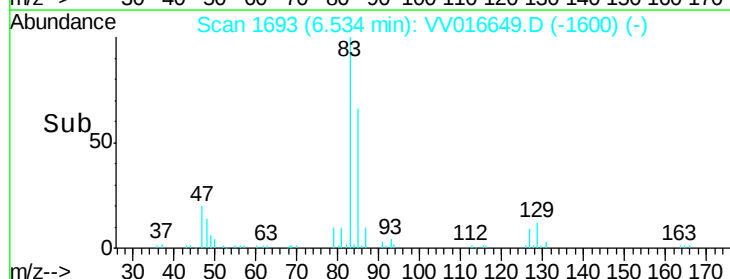
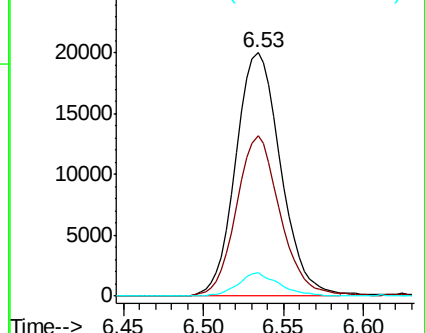
127 9.6 7.4 11.0

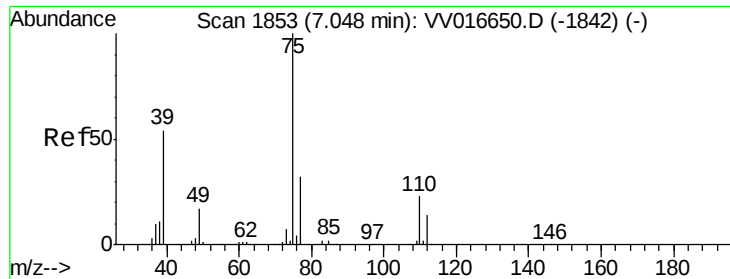


Abundance Ion 83.00 (82.70 to 83.70): VV016650.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV016650.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV016650.D (-1679) (-)

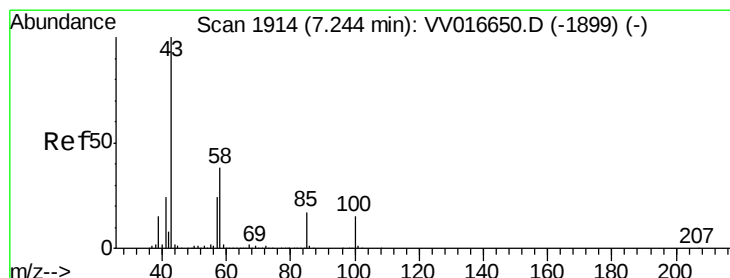
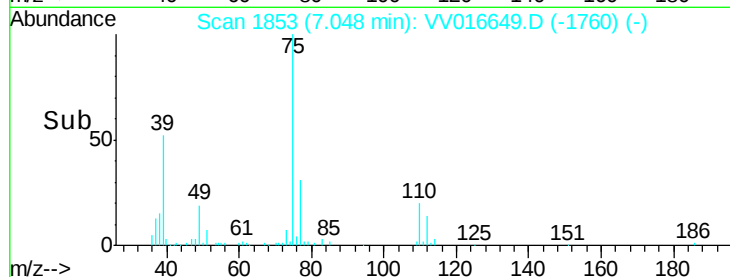
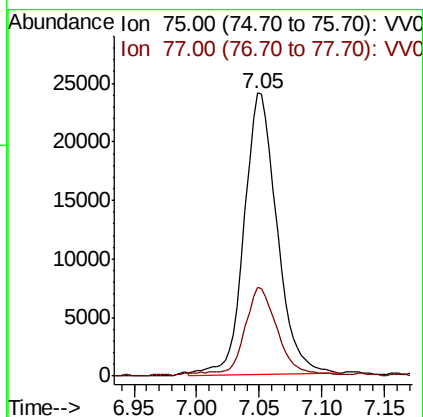
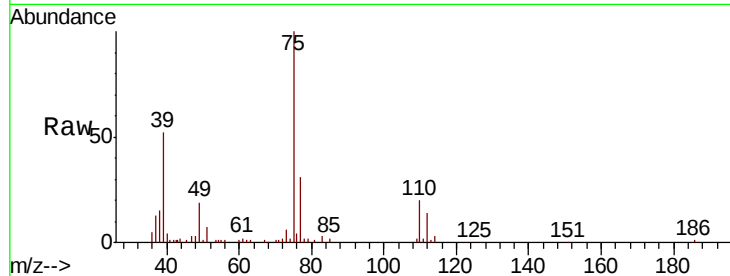




#39
 cis-1,3-Dichloropropene
 Concen: 9.899 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

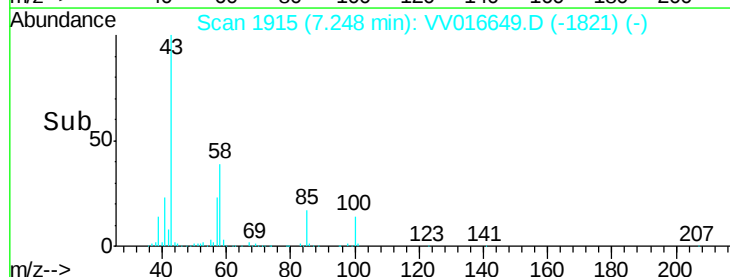
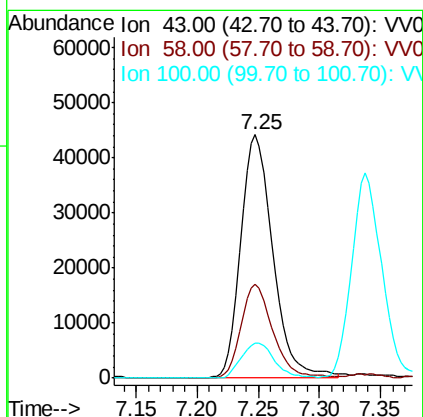
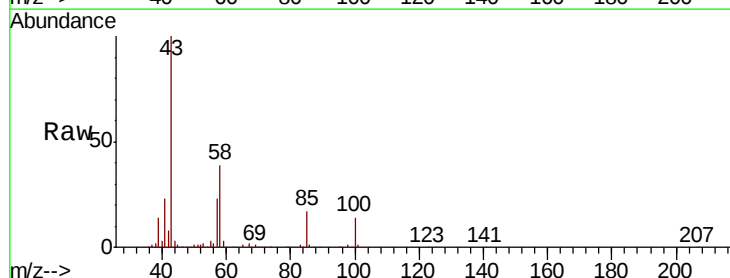
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

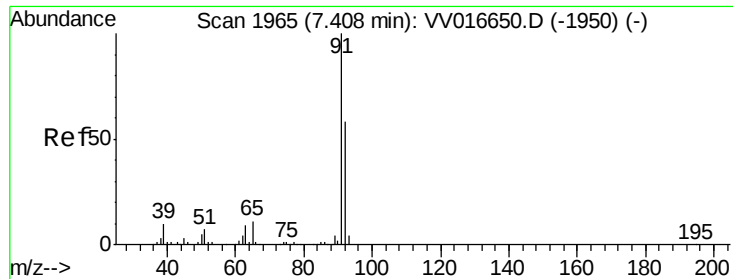
Tot Ion: 75 Resp: 44040
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 19.170 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

Tgt Ion: 43 Resp: 80649
 Ion Ratio Lower Upper
 43 100
 58 37.7 30.2 45.4
 100 14.9 12.3 18.5





#42

Toluene

Concen: 9.975 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

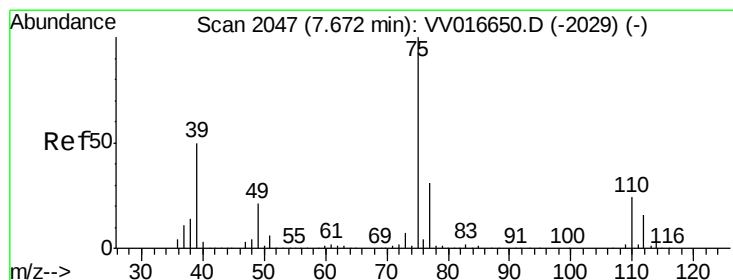
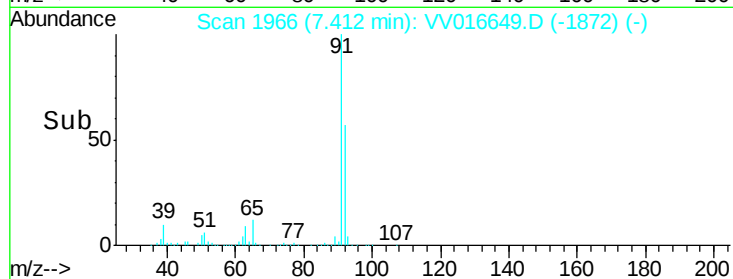
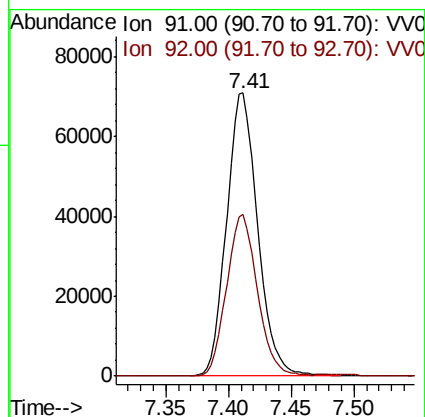
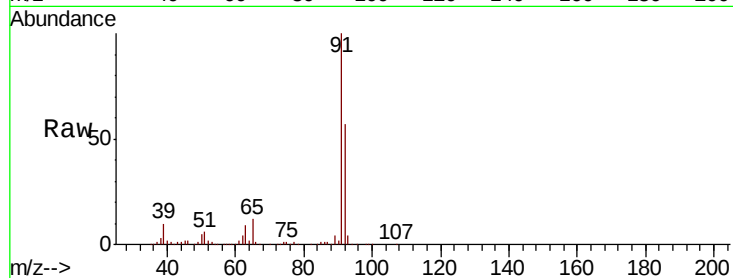
VSTD01064

Tot Ion: 91 Resp: 122114

Ion Ratio Lower Upper

91 100

92 57.0 40.4 75.0



#44

trans-1,3-Dichloropropene

Concen: 9.362 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV016649.D

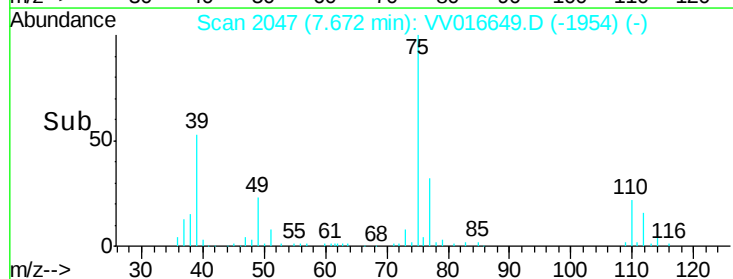
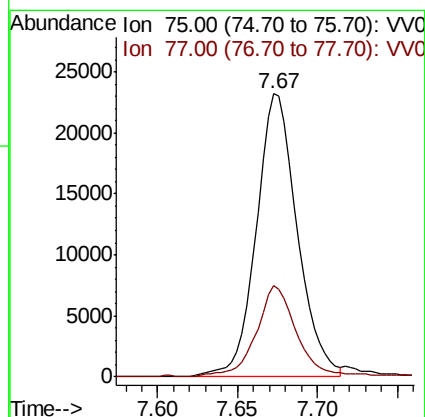
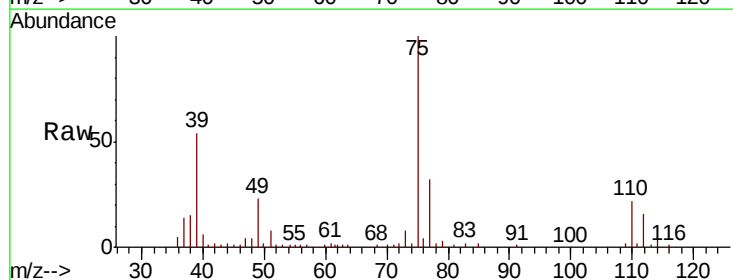
Acq: 08 Jun 2020 10:39

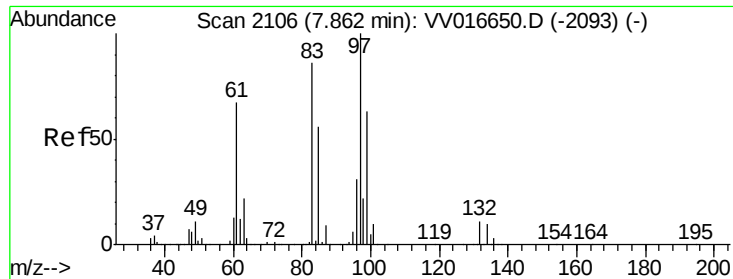
Tgt Ion: 75 Resp: 41012

Ion Ratio Lower Upper

75 100

77 32.3 21.7 40.3

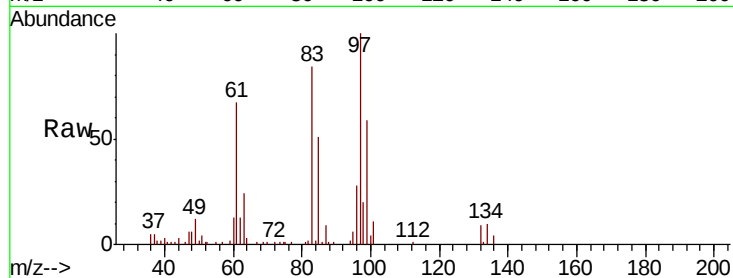




#45
1,1,2-Trichloroethane
Concen: 10.093 ug/L
RT: 7.86 min Scan# 2106
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

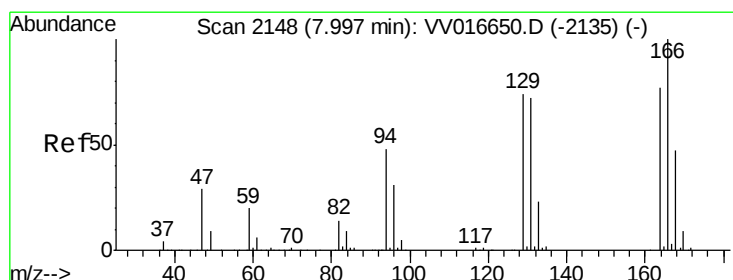
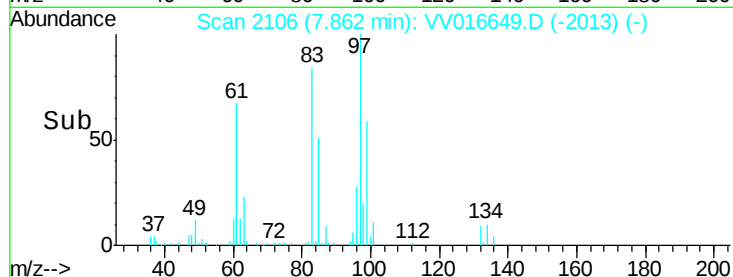
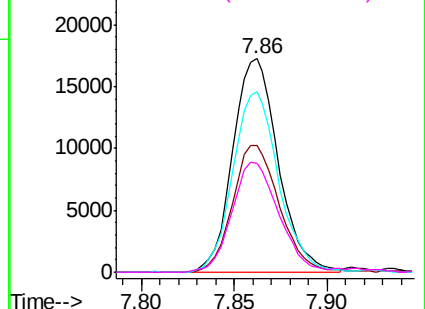
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tot Ion:	97	Resp:	29401
Ion	Ratio	Lower	Upper
97	100		
99	59.2	44.3	82.3
83	84.4	60.0	111.4
85	51.1	39.5	73.3



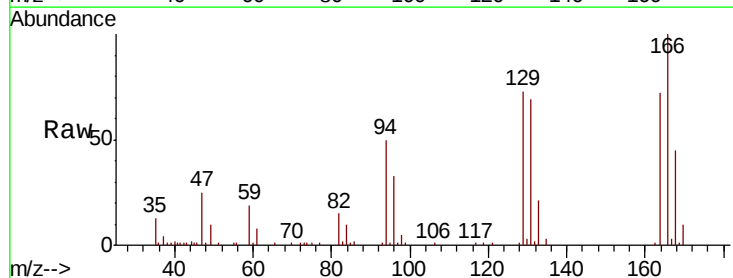
Abundance

Ion 97.00 (96.70 to 97.70): VV016649.D (-2013) (-)



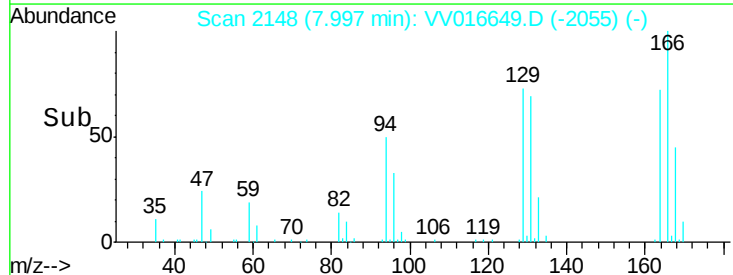
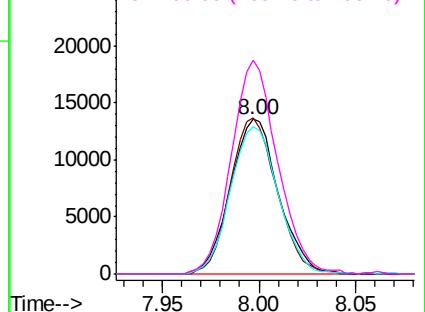
#46
Tetrachloroethene
Concen: 9.972 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

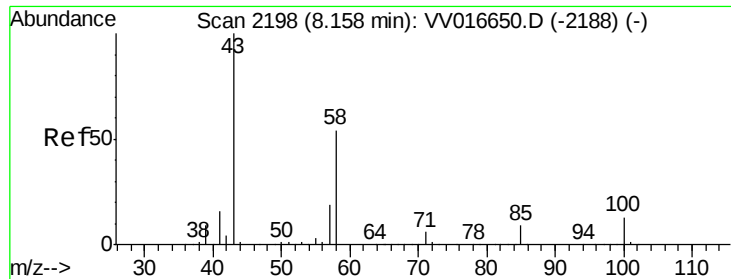
Tgt Ion:	164	Resp:	23532
Ion	Ratio	Lower	Upper
164	100		
129	100.7	67.0	124.4
131	94.9	64.8	120.3
166	138.0	90.4	167.8



Abundance

Ion 164.00 (163.70 to 164.70): VV016649.D (-2055) (-)

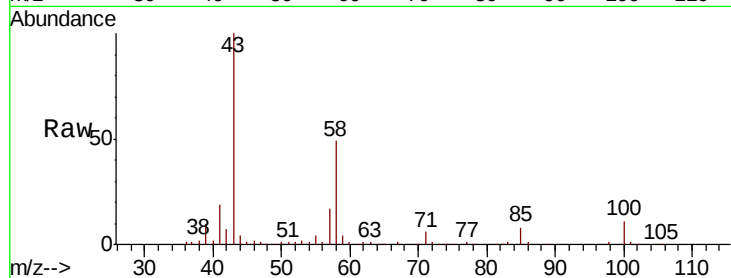




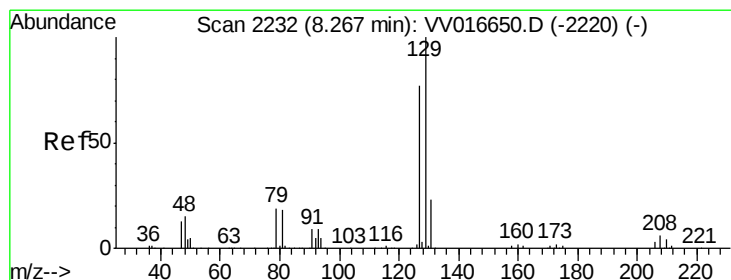
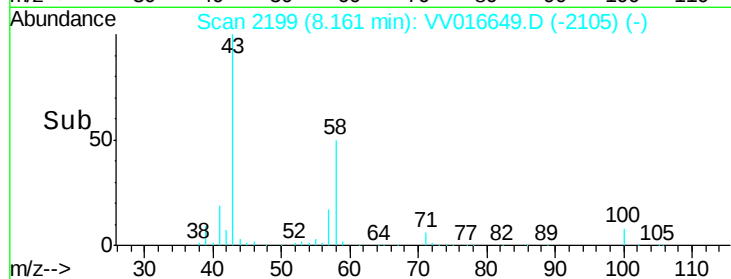
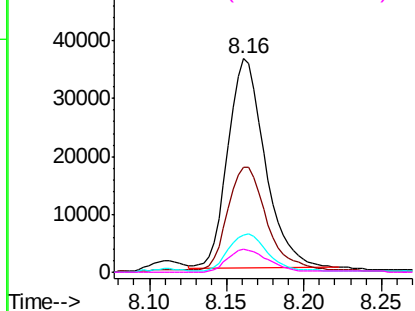
#48
2-Hexanone
Concen: 18.618 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

Tot Ion: 43 Resp: 60824
Ion Ratio Lower Upper
43 100
58 51.5 43.1 64.7
57 19.9 15.3 22.9
100 11.9 10.0 15.0

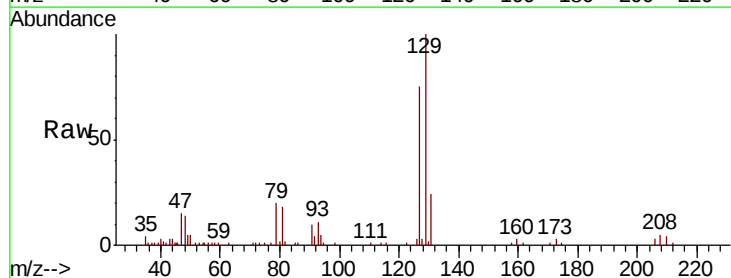


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

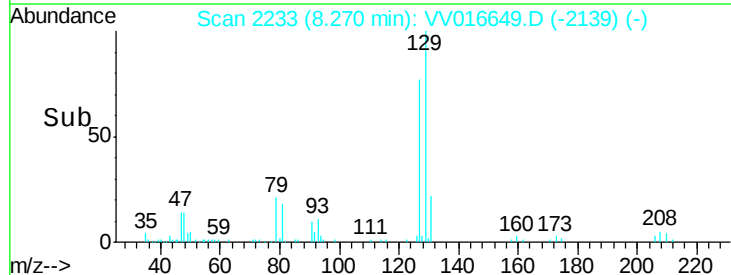
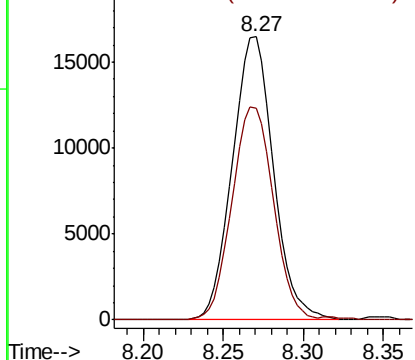


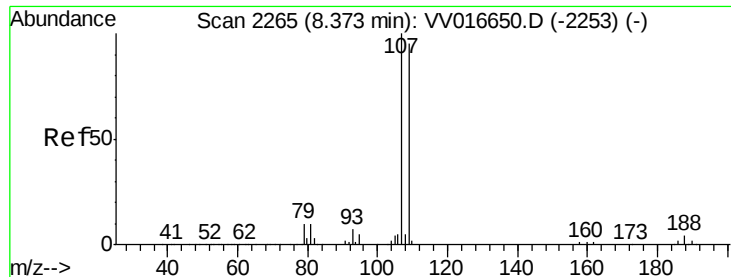
#49
Dibromochloromethane
Concen: 9.967 ug/L
RT: 8.27 min Scan# 2233
Delta R.T. 0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Tgt Ion: 129 Resp: 28904
Ion Ratio Lower Upper
129 100
127 75.0 54.2 100.6



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

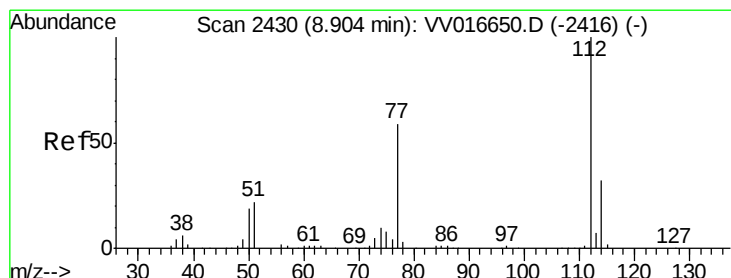
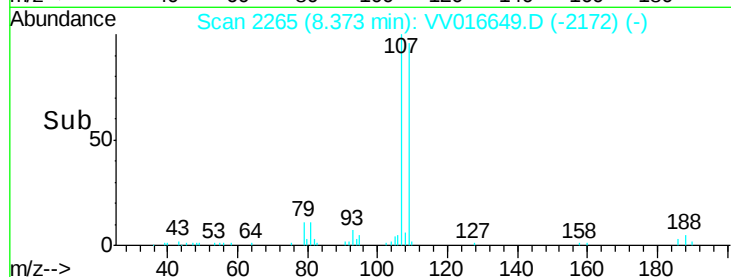
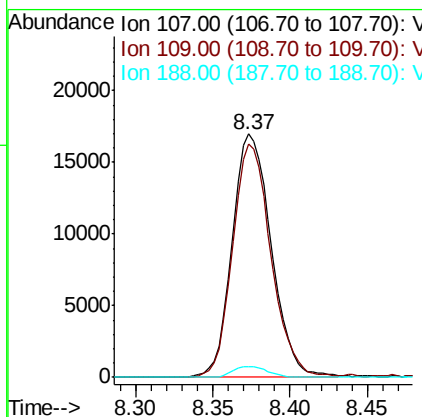
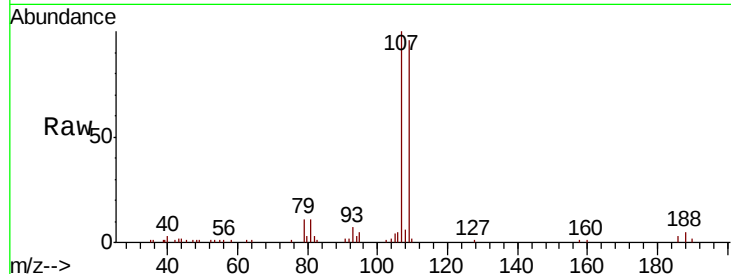




#50
1,2-Dibromoethane
Concen: 9.679 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

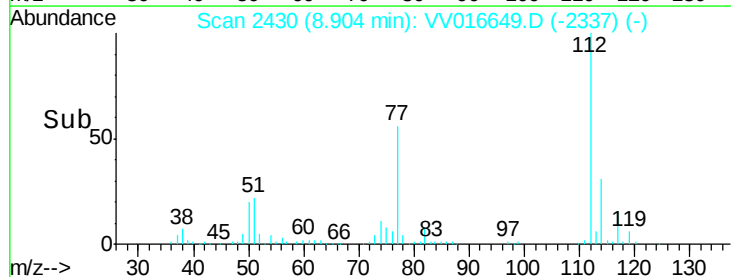
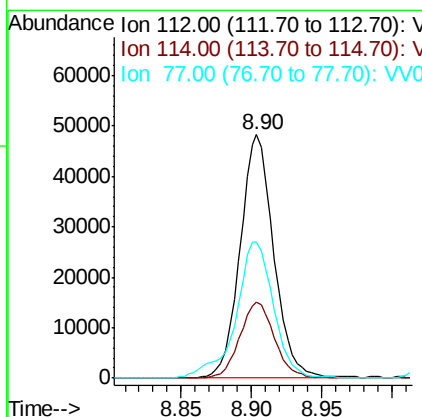
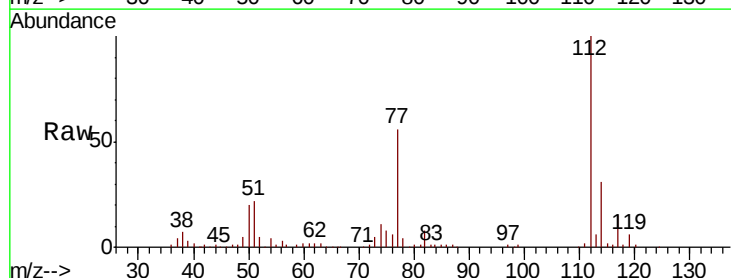
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

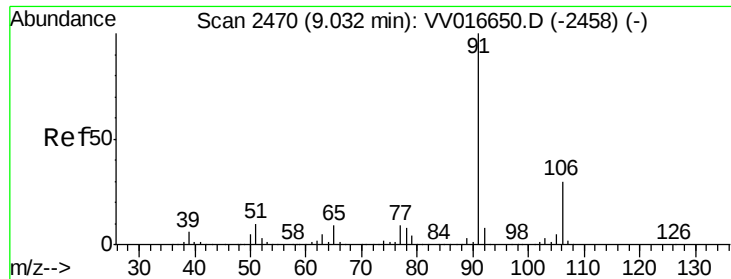
Tot Ion:107 Resp: 29791
Ion Ratio Lower Upper
107 100
109 95.6 66.4 123.2
188 4.6 3.1 4.7



#51
Chlorobenzene
Concen: 10.014 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Tgt Ion:112 Resp: 80552
Ion Ratio Lower Upper
112 100
114 31.1 22.3 41.3
77 55.9 47.9 71.9

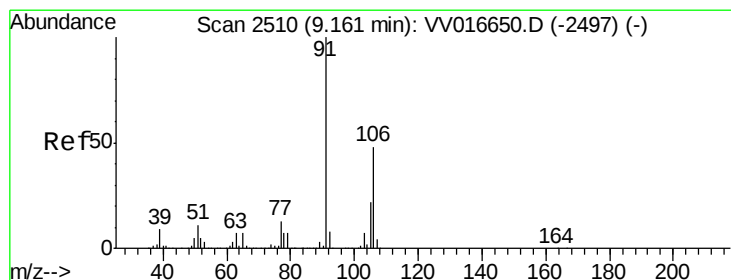
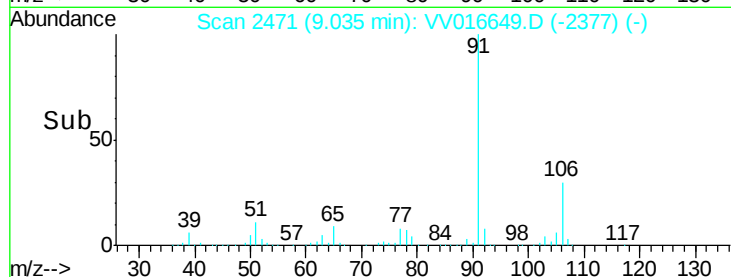
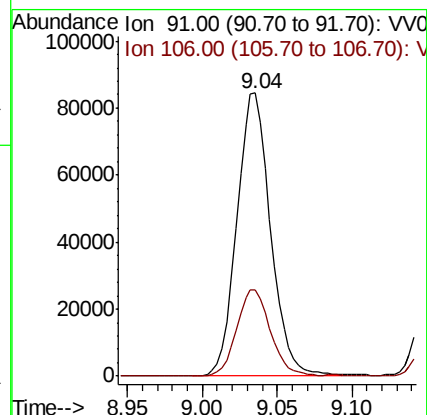
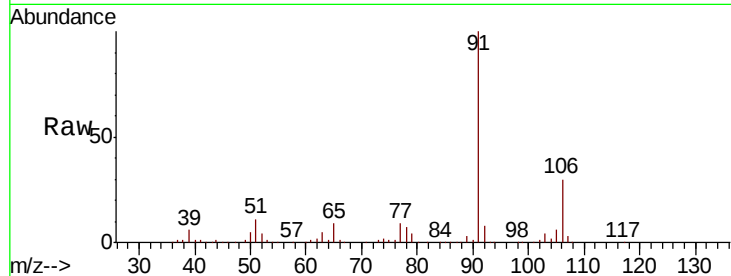




#52
Ethylbenzene
Concen: 9.860 ug/L
RT: 9.04 min Scan# 2471
Delta R.T. 0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

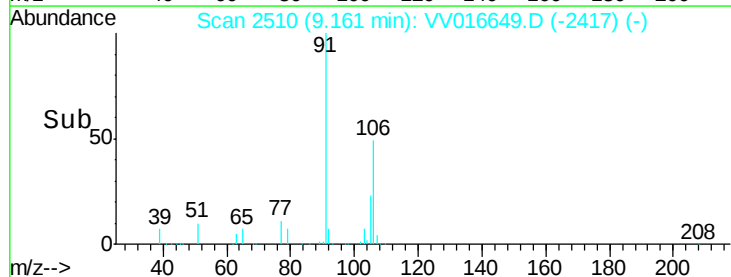
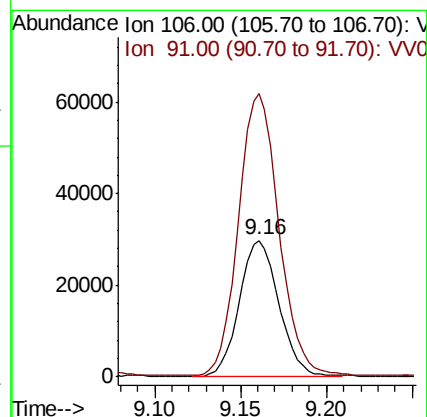
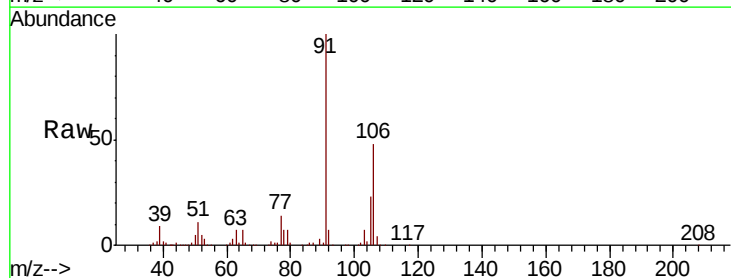
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

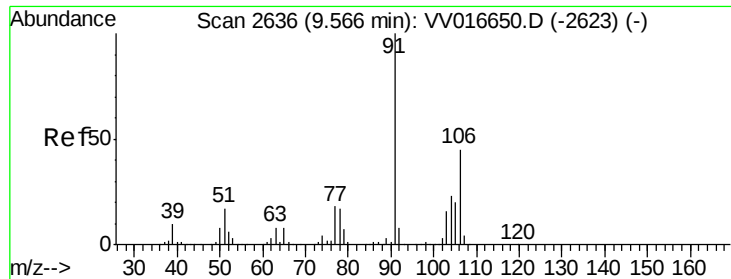
Tot Ion: 91 Resp: 132360
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.1



#53
m,p-Xylene
Concen: 9.499 ug/L
RT: 9.16 min Scan# 2510
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Tgt Ion: 106 Resp: 47985
Ion Ratio Lower Upper
106 100
91 207.0 144.6 268.6

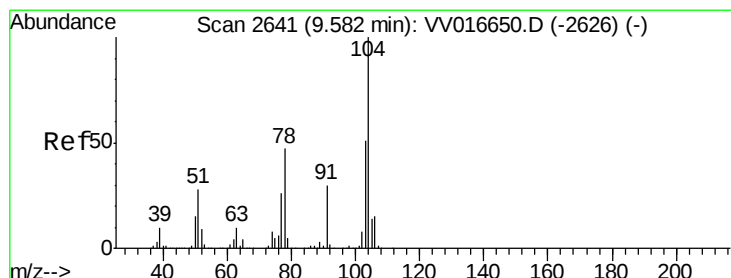
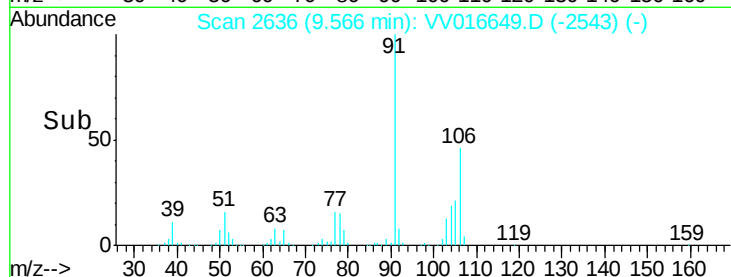
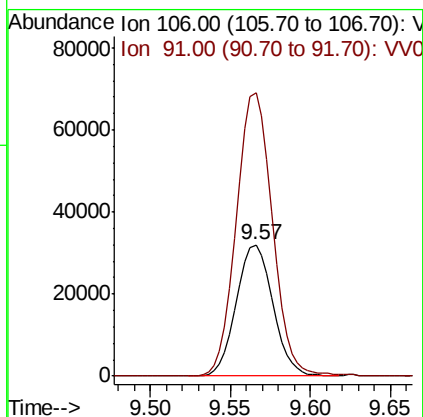
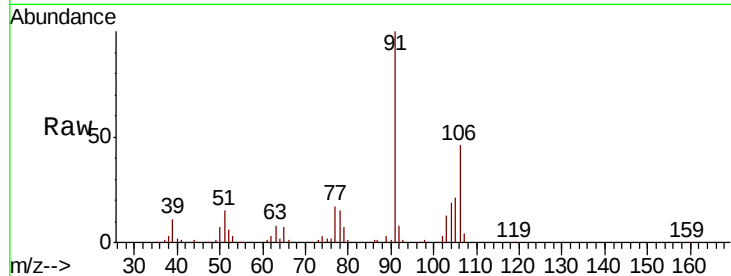




#54
o-xylene
Concen: 10.216 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

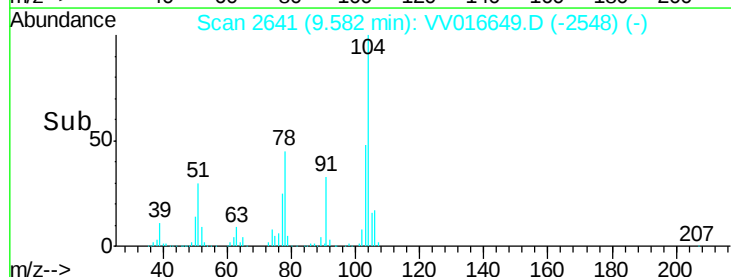
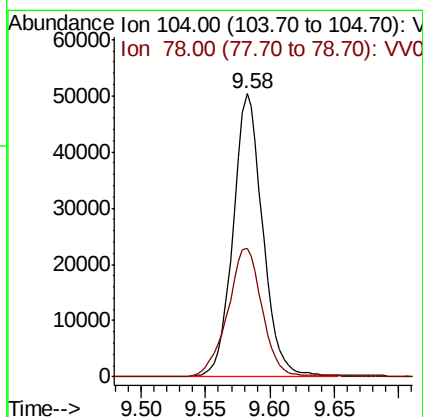
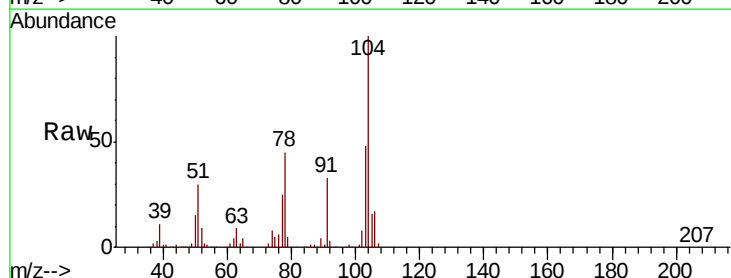
Instrument :
MSVOA_V
ClientSampleId :
VSTD01064

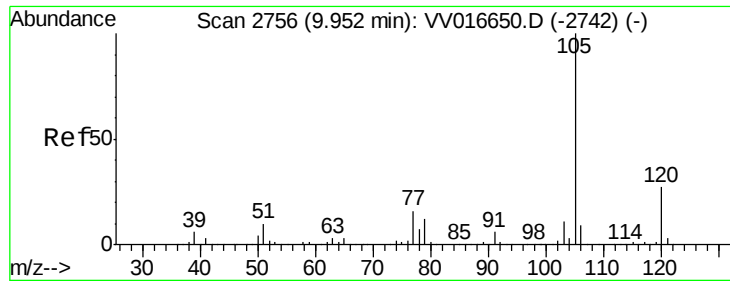
Tot Ion:106 Resp: 49952
Ion Ratio Lower Upper
106 100
91 215.9 155.9 289.5



#55
Styrene
Concen: 9.484 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV016649.D
Acq: 08 Jun 2020 10:39

Tgt Ion:104 Resp: 80725
Ion Ratio Lower Upper
104 100
78 45.4 32.6 60.6





#56

Isopropylbenzene

Concen: 10.221 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampled :

VSTD01064

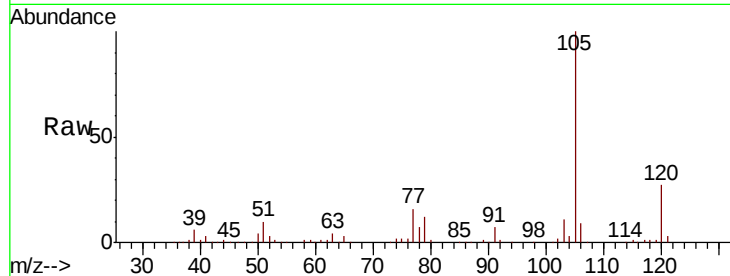
Tot Ion:105 Resp: 131088

Ion Ratio Lower Upper

105 100

120 26.3 21.2 31.8

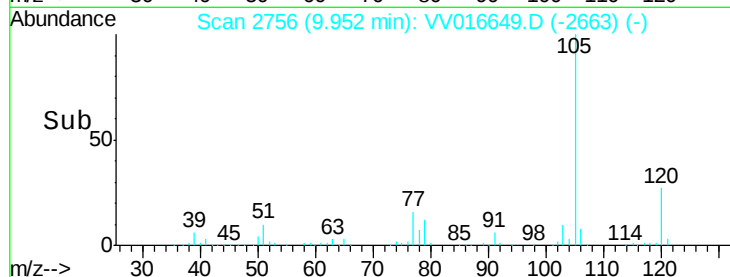
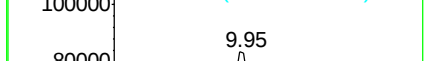
77 16.4 13.0 19.4



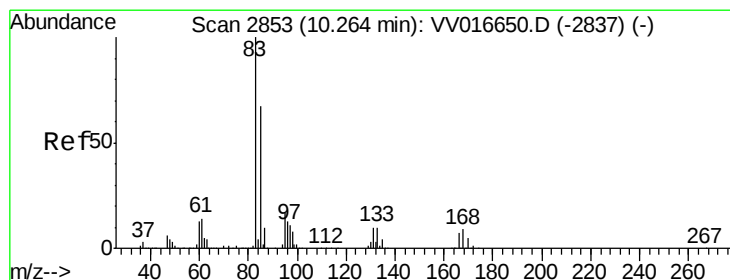
Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



Time-->



#58

1,1,2,2-Tetrachloroethane

Concen: 9.365 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

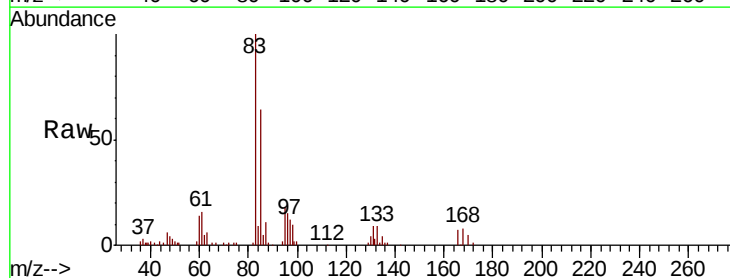
Tgt Ion: 83 Resp: 43546

Ion Ratio Lower Upper

83 100

85 63.9 46.8 86.8

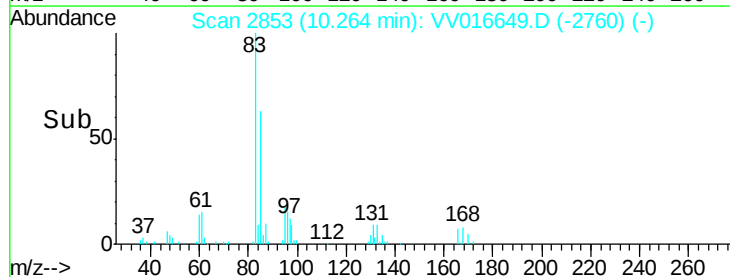
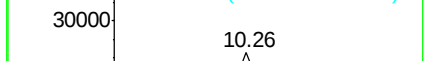
131 9.5 7.9 11.9



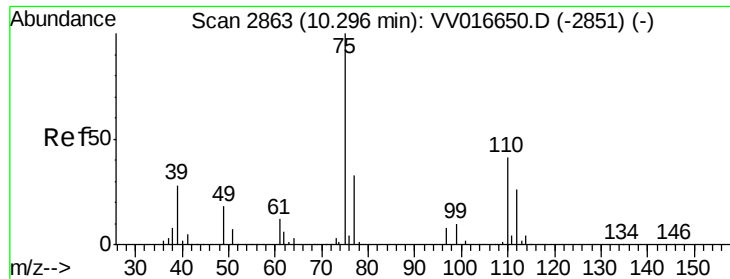
Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V



Time-->



#59

1,2,3-Trichloropropane

Concen: 9.483 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

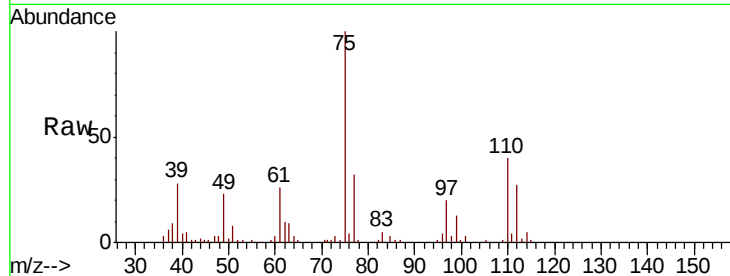
VSTD01064

Tot Ion: 75 Resp: 35865

Ion Ratio Lower Upper

75 100

77 33.9 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV016650.D (-2851) (-)

Ion 77.00 (76.70 to 77.70): VV016650.D (-2851) (-)

10.30

25000

20000

15000

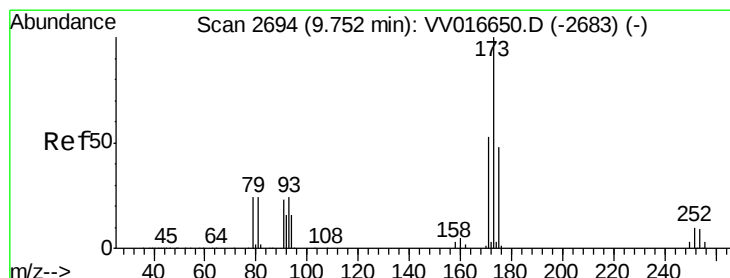
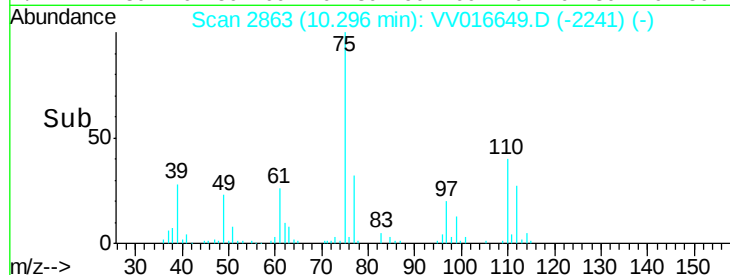
10000

5000

0

Time-->

10.25 10.30 10.35



#61

Bromoform

Concen: 10.034 ug/L

RT: 9.76 min Scan# 2695

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

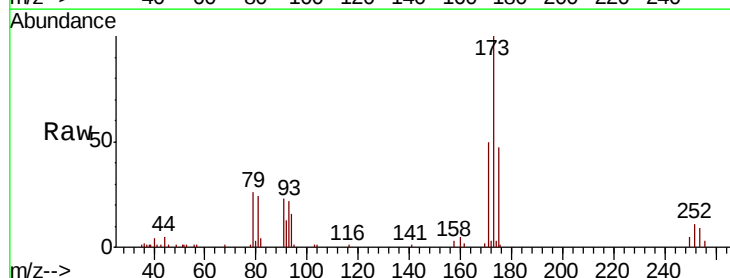
Tgt Ion: 173 Resp: 17332

Ion Ratio Lower Upper

173 100

175 47.6 39.0 58.4

254 10.5 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV016650.D (-2683) (-)

Ion 175.00 (174.70 to 175.70): VV016650.D (-2683) (-)

Ion 254.00 (253.70 to 254.70): VV016650.D (-2683) (-)

9.76

15000

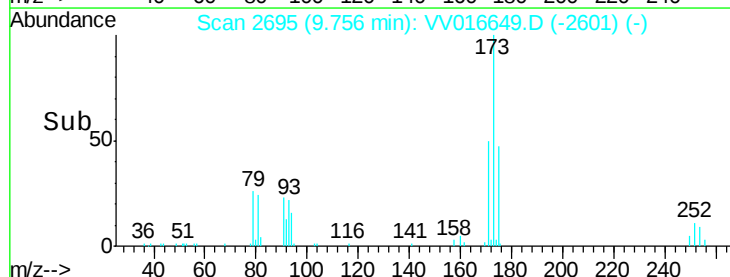
10000

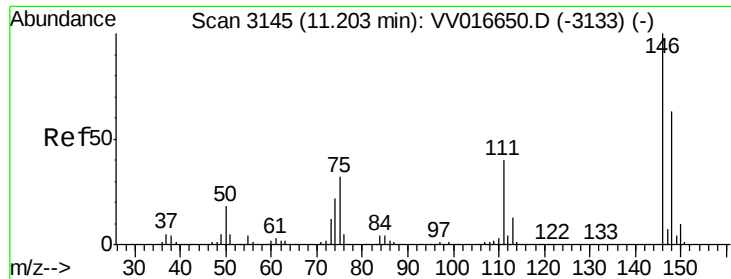
5000

0

Time-->

9.70 9.75 9.80





#62

1,3-Dichlorobenzene

Concen: 9.900 ug/L

RT: 11.21 min Scan# 3146

Delta R.T. 0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

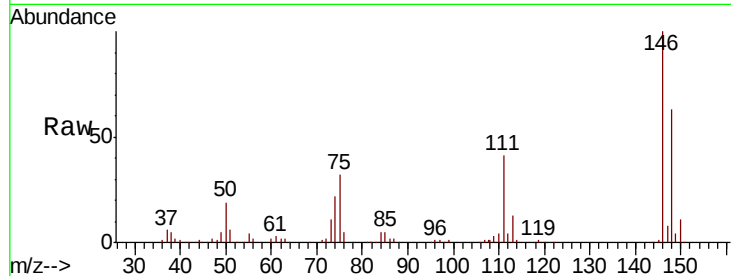
Tot Ion:146 Resp: 60127

Ion Ratio Lower Upper

146 100

111 40.6 28.3 52.7

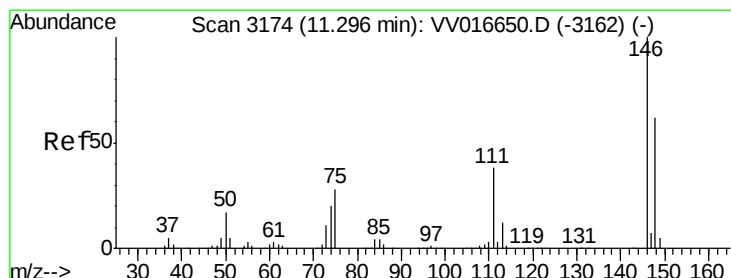
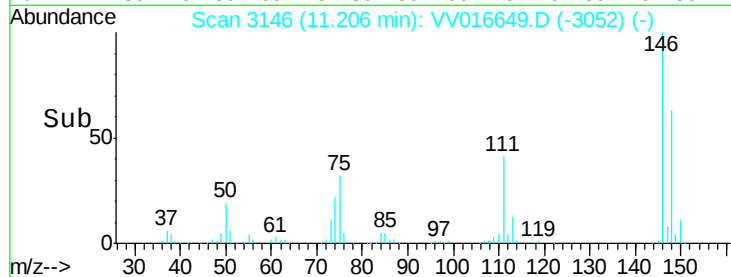
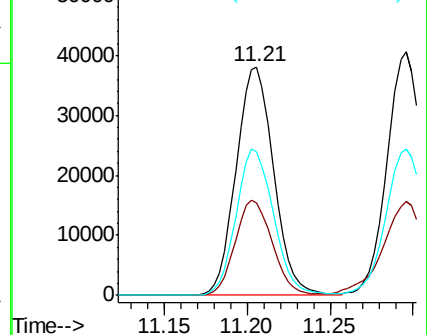
148 62.9 44.2 82.2



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: 10.098 ug/L

RT: 11.30 min Scan# 3174

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

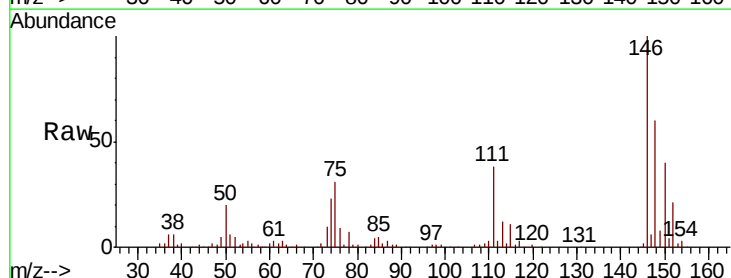
Tgt Ion:146 Resp: 63370

Ion Ratio Lower Upper

146 100

111 38.3 26.7 49.7

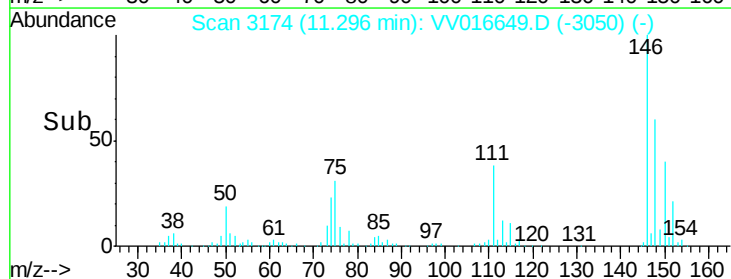
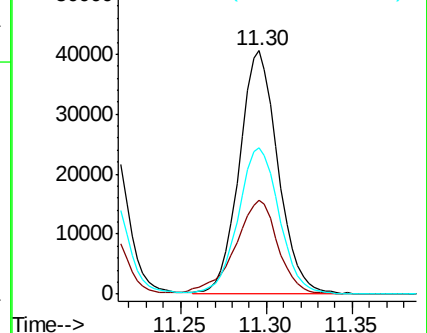
148 60.3 43.5 80.9

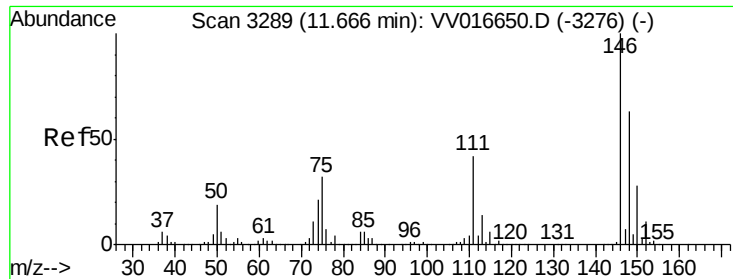


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

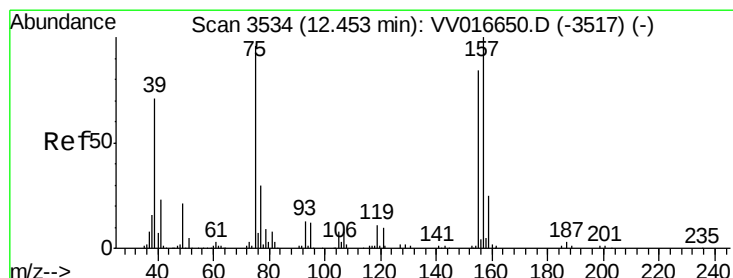
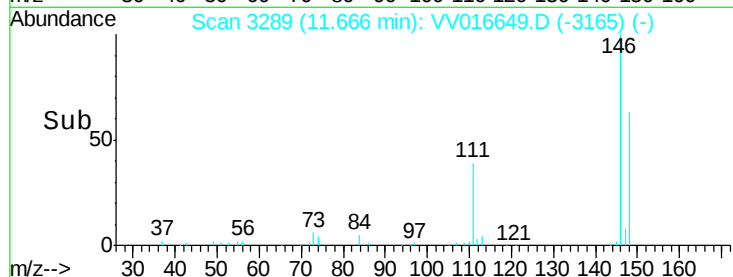
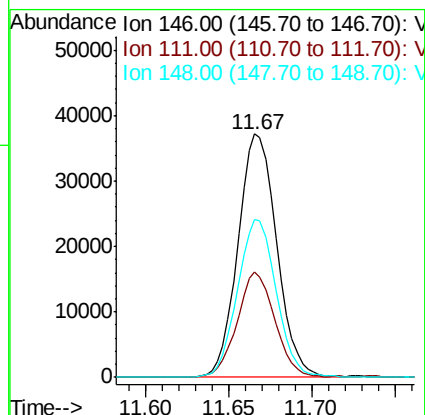
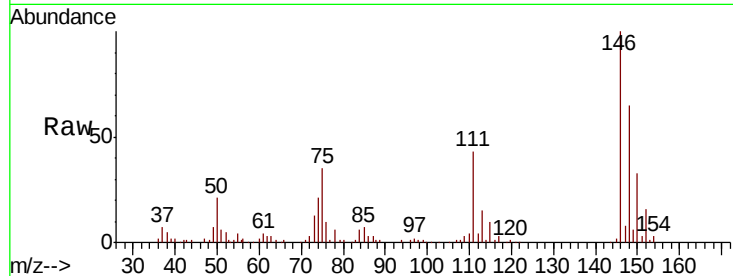




#65
 1,2-Dichlorobenzene
 Concen: 9.881 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

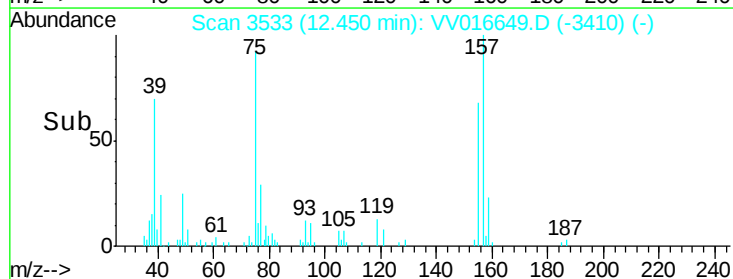
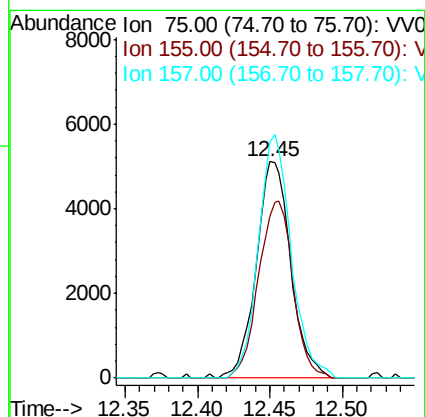
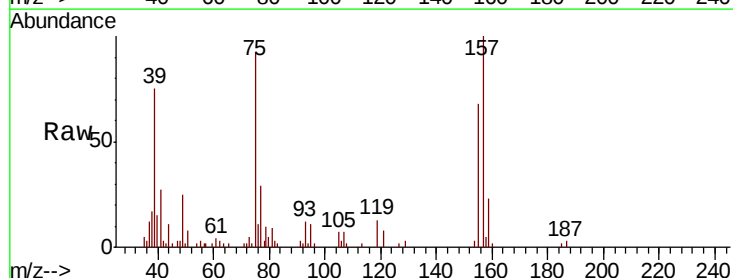
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

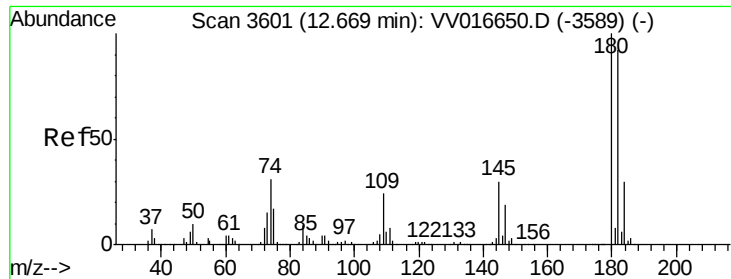
Tot Ion:146 Resp: 60567
 Ion Ratio Lower Upper
 146 100
 111 43.0 33.7 50.5
 148 64.7 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 8.972 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

Tgt Ion: 75 Resp: 8473
 Ion Ratio Lower Upper
 75 100
 155 74.6 69.8 104.6
 157 109.2 83.4 125.2

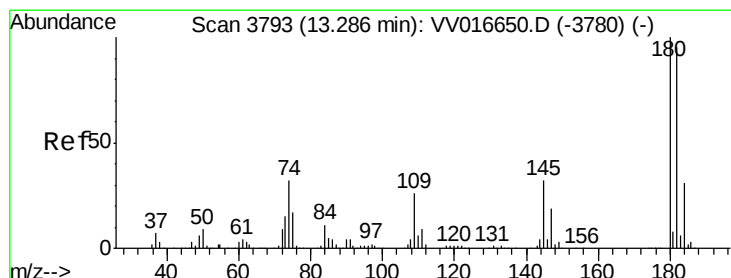
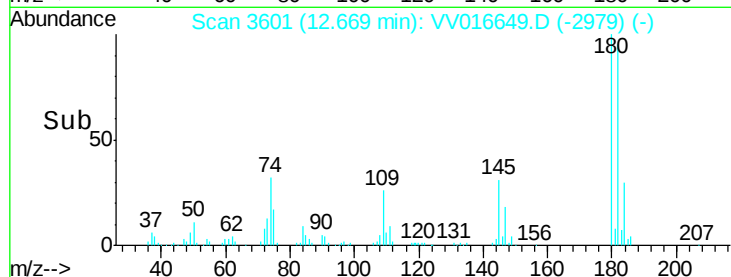
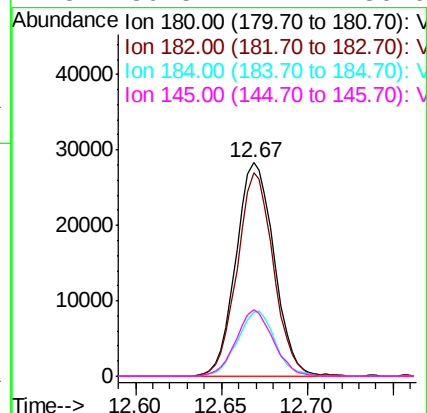
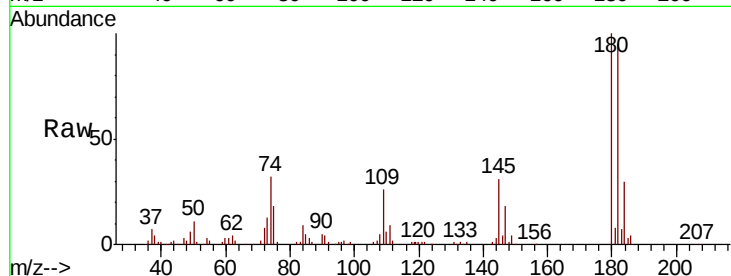




#67
 1,3,5-Trichlorobenzene
 Concen: 10.474 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

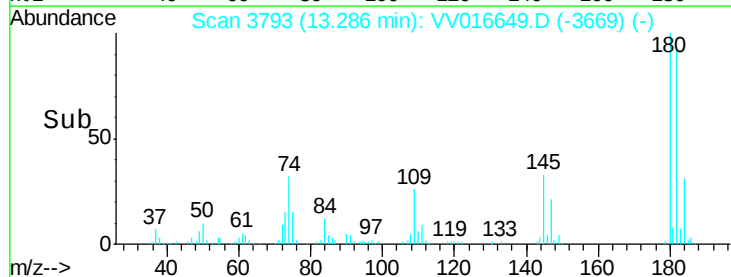
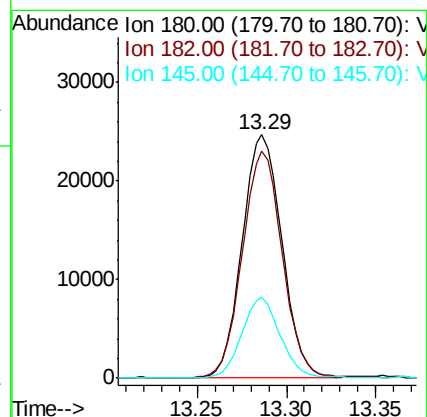
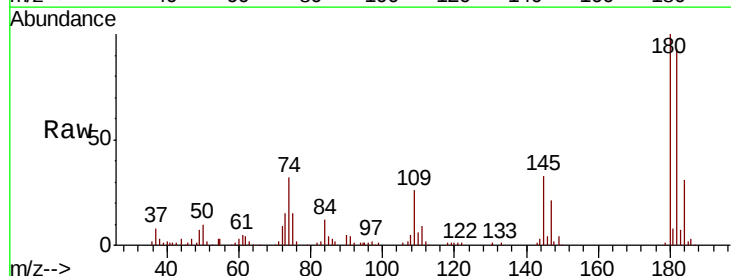
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01064

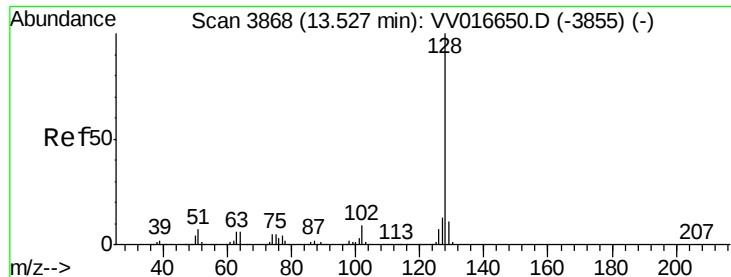
Tot Ion:	180	Resp:	43639
Ion	Ratio	Lower	Upper
180	100		
182	90.4	75.0	112.6
184	30.0	24.5	36.7
145	30.5	24.4	36.6



#68
 1,2,4-trichlorobenzene
 Concen: 9.976 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. -0.00 min
 Lab File: VV016649.D
 Acq: 08 Jun 2020 10:39

Tgt Ion:	180	Resp:	38604
Ion	Ratio	Lower	Upper
180	100		
182	93.3	76.9	115.3
145	31.9	25.2	37.8





#69

Naphthalene

Concen: 9.124 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD01064

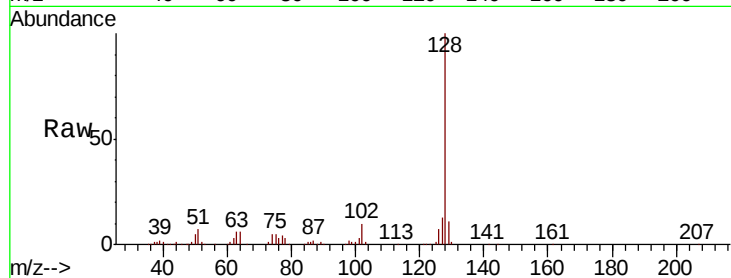
Tot Ion:128 Resp: 107819

Ion Ratio Lower Upper

128 100

127 13.0 10.5 15.7

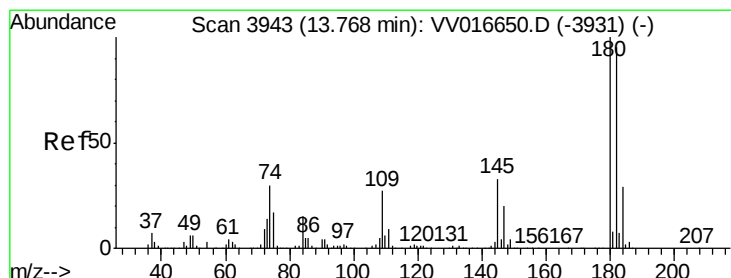
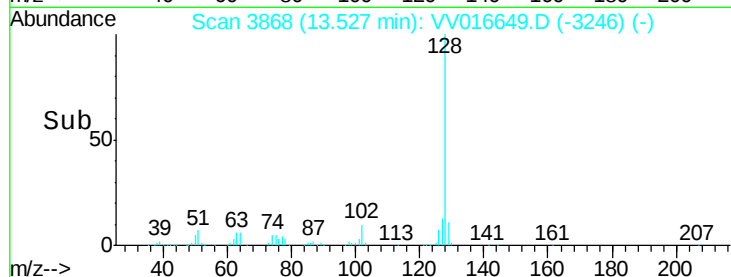
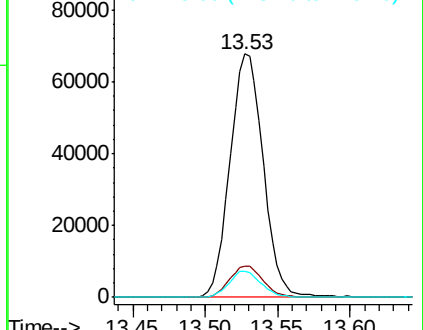
129 10.5 8.7 13.1



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: 10.075 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV016649.D

Acq: 08 Jun 2020 10:39

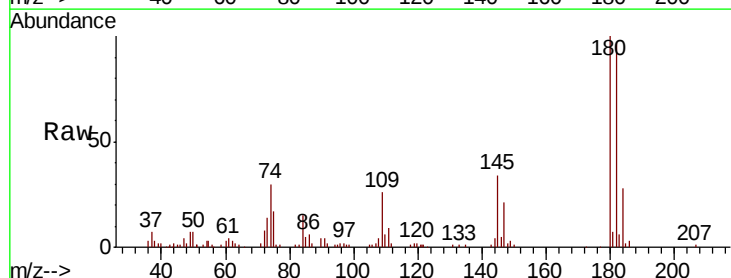
Tgt Ion:180 Resp: 37410

Ion Ratio Lower Upper

180 100

182 99.7 76.5 114.7

145 34.2 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

