

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
 Data File : VV018128.D
 Acq On : 28 Aug 2020 10:18
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Quant Time: Aug 29 00:33:43 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 15:18:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	277964	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	278893	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	153918	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	87204	41.12	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	82.24%
7) Chloroethane-d5	1.58	69	79960	46.08	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	92.16%
11) 1,1-Dichloroethene-d2	2.12	63	185122	45.63	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.26%
21) 2-Butanone-d5	3.91	46	129780	93.43	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	93.43%
24) Chloroform-d	4.37	84	184110	47.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.38%
26) 1,2-Dichloroethane-d4	5.05	65	119731	47.75	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.50%
32) Benzene-d6	5.07	84	353744	46.02	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.04%
36) 1,2-Dichloropropane-d6	6.09	67	115513	45.97	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	91.94%
41) Toluene-d8	7.33	98	325851	47.14	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	94.28%
43) trans-1,3-Dichloropropene-	7.64	79	56432	49.51	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.02%
47) 2-Hexanone-d5	8.11	63	74374	92.23	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	92.23%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	154536	47.23	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	94.46%
64) 1,2-Dichlorobenzene-d4	11.65	152	140654	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	94044	43.823	ug/L 100
3) Chloromethane	1.25	50	108466	43.511	ug/L 98
5) Vinyl chloride	1.32	62	112161	45.412	ug/L 98
6) Bromomethane	1.53	94	68213	46.209	ug/L 99
8) Chloroethane	1.60	64	75508	47.898	ug/L 100
9) Trichlorofluoromethane	1.77	101	166645	47.233	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	98919	50.214	ug/L 98
12) 1,1-Dichloroethene	2.13	96	90666	48.626	ug/L 97
13) Acetone	2.19	43	171026	119.204	ug/L 99
14) Carbon disulfide	2.31	76	235533	45.896	ug/L 99
15) Methyl Acetate	2.45	43	106401	45.954	ug/L 100
16) Methylene chloride	2.52	84	108088	45.502	ug/L 96
17) trans-1,2-Dichloroethene	2.78	96	92924	48.482	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	311572	49.153	ug/L 100
19) 1,1-Dichloroethane	3.21	63	190158	49.341	ug/L 100
20) cis-1,2-Dichloroethene	3.94	96	104092	49.421	ug/L 98
22) 2-Butanone	3.99	43	179478	111.509	ug/L 98

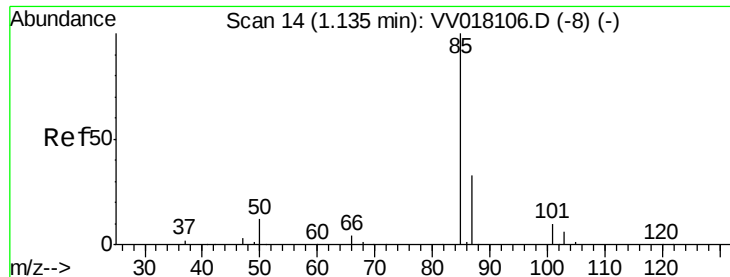
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV082820\
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 28 15:18:06 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	55698	50.621	ug/L	98
25) Chloroform	4.40	83	195535	49.743	ug/L	99
27) 1,2-Dichloroethane	5.15	62	150649	48.149	ug/L	98
29) Cyclohexane	4.70	56	153834	45.702	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	164574	48.154	ug/L	99
31) Carbon tetrachloride	4.85	117	141532	49.745	ug/L	99
33) Benzene	5.12	78	412582	47.816	ug/L	100
34) Trichloroethene	5.94	95	107707	47.224	ug/L	98
35) Methylcyclohexane	6.15	83	159027	46.891	ug/L	99
37) 1,2-Dichloropropane	6.19	63	110981	47.164	ug/L	100
38) Bromodichloromethane	6.53	83	145906	49.920	ug/L	100
39) cis-1,3-Dichloropropene	7.04	75	170749	51.187	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	284718	92.558	ug/L	100
42) Toluene	7.41	91	438502	48.702	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	168949	53.380	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	105434	48.383	ug/L	100
46) Tetrachloroethene	7.99	164	83808	50.104	ug/L	98
48) 2-Hexanone	8.15	43	247485	99.771	ug/L	98
49) Dibromochloromethane	8.26	129	116633	54.834	ug/L	98
50) 1,2-Dibromoethane	8.37	107	108505	48.126	ug/L	98
51) Chlorobenzene	8.90	112	286438	49.465	ug/L	99
52) Ethylbenzene	9.03	91	486778	49.584	ug/L	100
53) m,p-Xylene	9.16	106	182862	50.644	ug/L	98
54) o-xylene	9.56	106	176087	49.349	ug/L	98
55) Styrene	9.58	104	320512	52.452	ug/L	99
56) Isopropylbenzene	9.95	105	481382	51.138	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	160463	47.287	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	134758	46.371	ug/L	100
61) Bromoform	9.75	173	84154	57.783	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	241861	49.415	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	248401	49.403	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	244045	48.443	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	33731	45.444	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	192713	51.831	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	174969	53.525	ug/L	99
69) Naphthalene	13.52	128	450645	50.016	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	176258	53.020	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 43.823 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

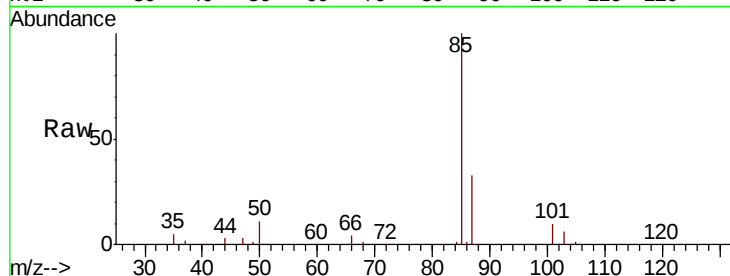
VSTD05089

Tot Ion: 85 Resp: 94044

Ion Ratio Lower Upper

85 100

87 32.6 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018106.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018106.D (-8) (-)

1.14

100000

80000

60000

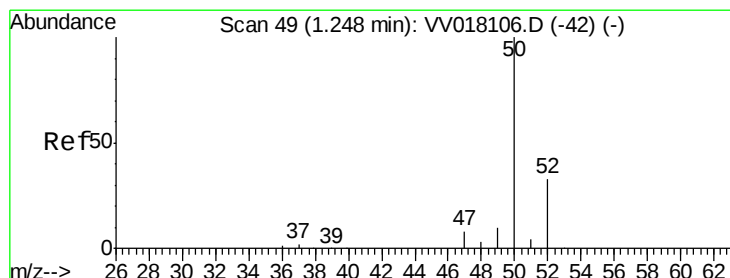
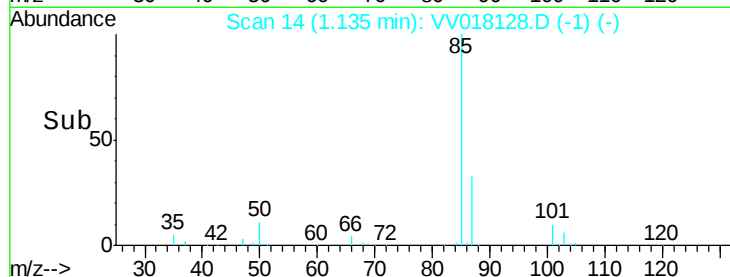
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 43.511 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018128.D

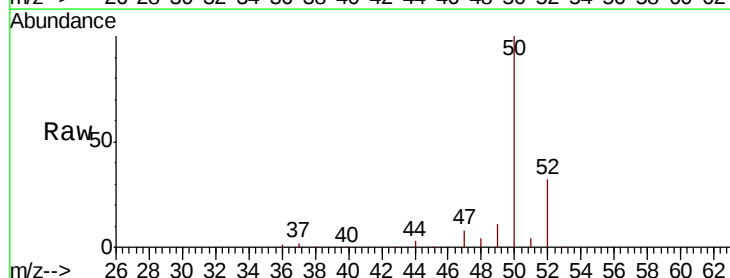
Acq: 28 Aug 2020 10:18

Tgt Ion: 50 Resp: 108466

Ion Ratio Lower Upper

50 100

52 32.2 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018106.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018106.D (-42) (-)

1.25

120000

100000

80000

60000

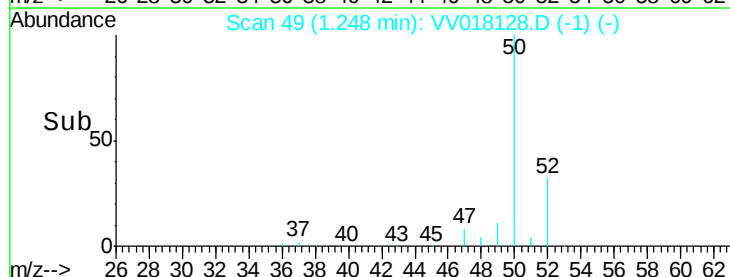
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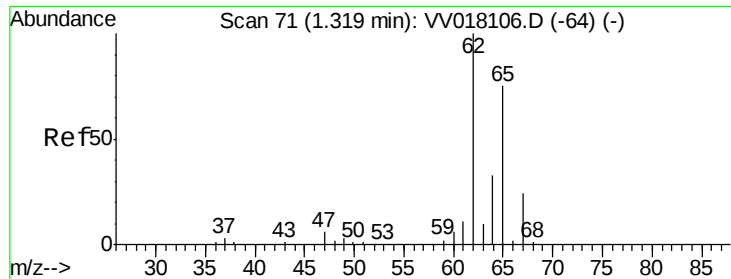
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0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 45.412 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

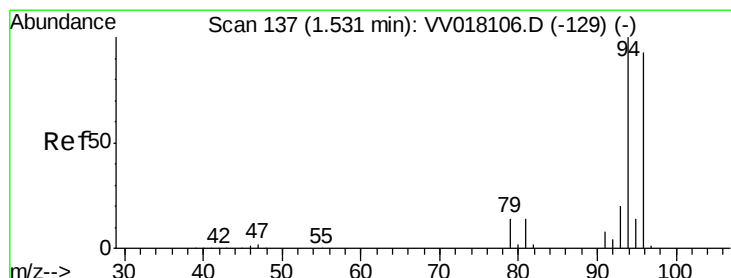
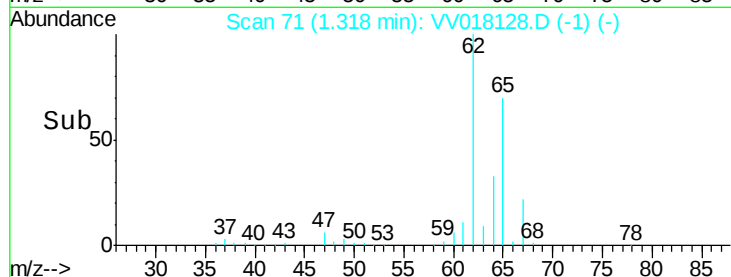
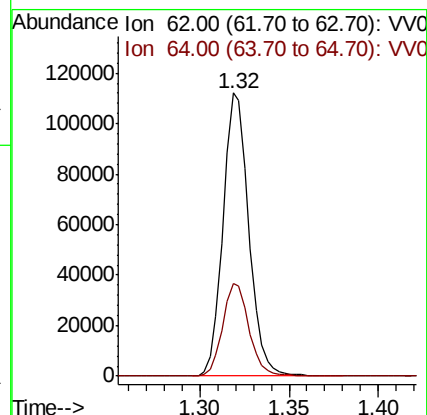
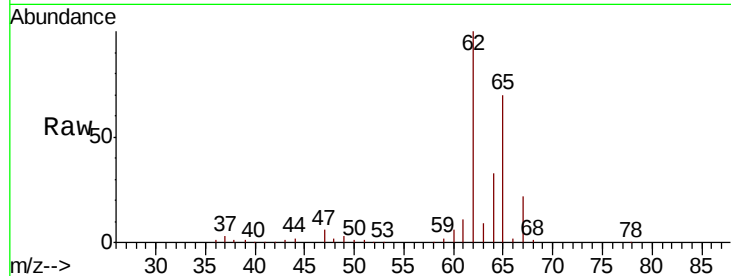
VSTD05089

Tot Ion: 62 Resp: 112161

Ion Ratio Lower Upper

62 100

64 33.0 22.4 41.6



#6

Bromomethane

Concen: 46.209 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018128.D

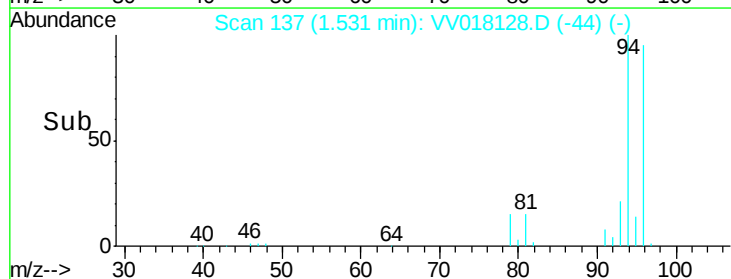
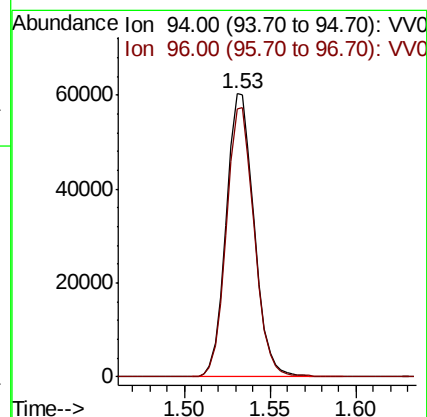
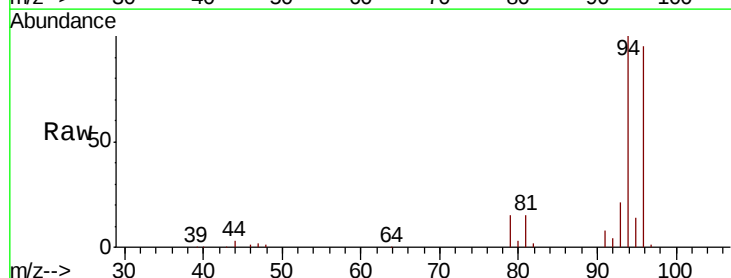
Acq: 28 Aug 2020 10:18

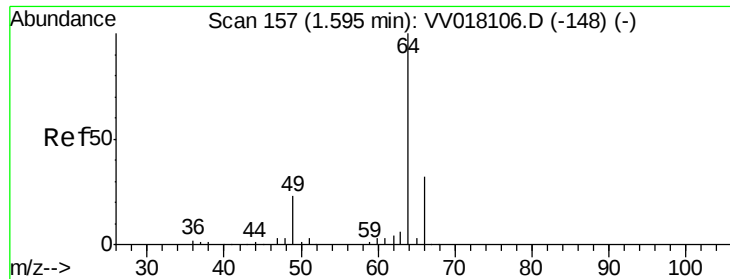
Tgt Ion: 94 Resp: 68213

Ion Ratio Lower Upper

94 100

96 94.6 65.5 121.7





#8

Chloroethane

Concen: 47.898 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

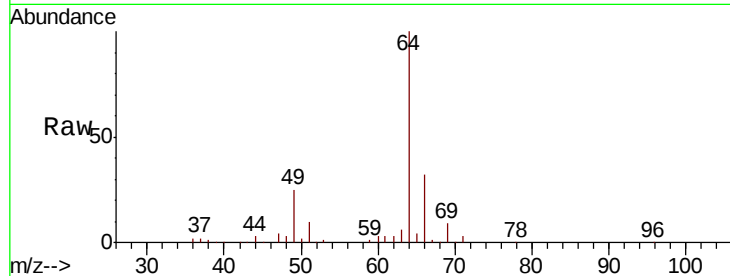
VSTD05089

Tot Ion: 64 Resp: 75508

Ion Ratio Lower Upper

64 100

66 31.8 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018128.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV018128.D (-33) (-)

1.60

80000

60000

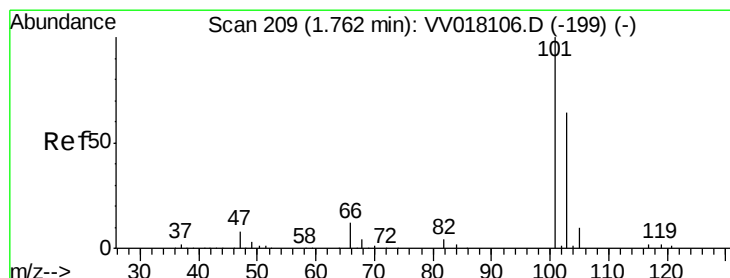
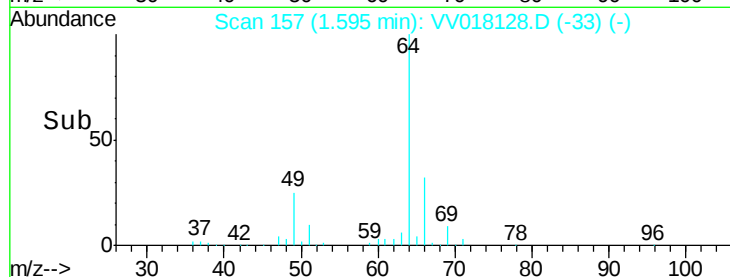
40000

20000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 47.233 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018128.D

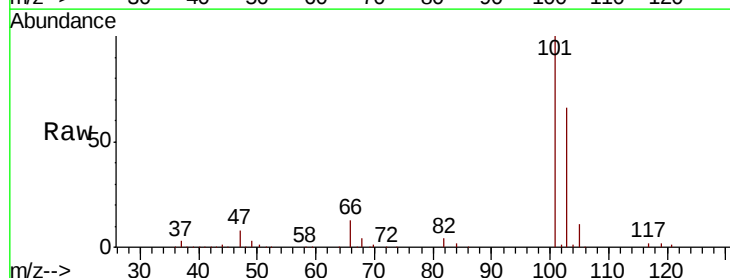
Acq: 28 Aug 2020 10:18

Tgt Ion:101 Resp: 166645

Ion Ratio Lower Upper

101 100

103 65.5 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018128.D (-85) (-)

Ion 103.00 (102.70 to 103.70): VV018128.D (-85) (-)

1.77

150000

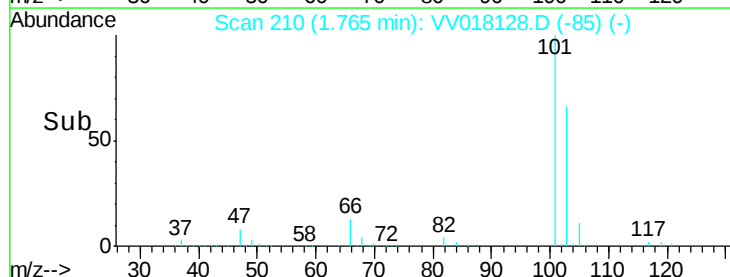
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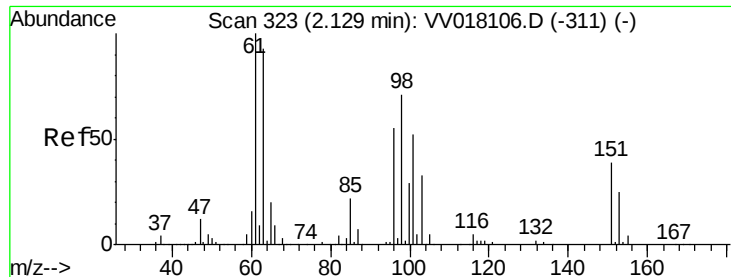
50000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 50.214 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

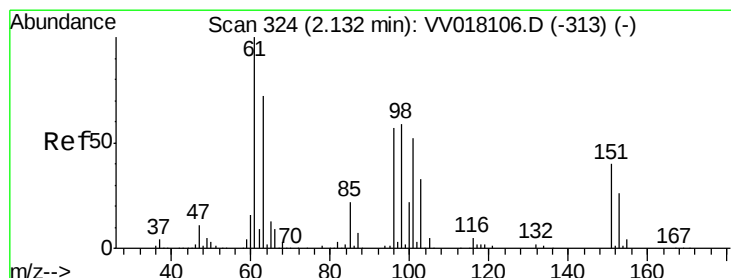
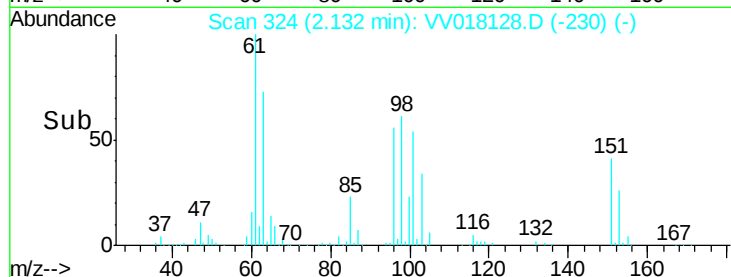
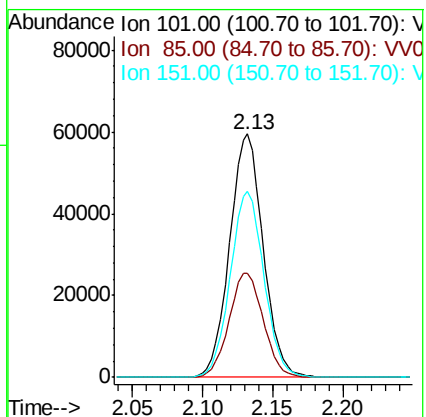
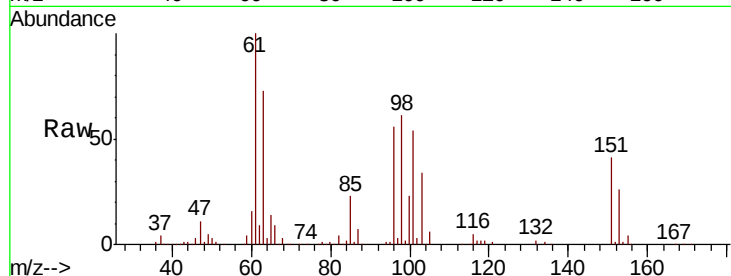
Tot Ion:101 Resp: 98919

Ion Ratio Lower Upper

101 100

85 43.7 34.9 52.3

151 77.0 59.1 88.7



#12

1,1-Dichloroethene

Concen: 48.626 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

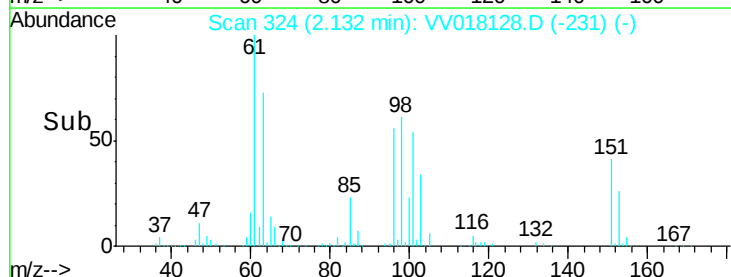
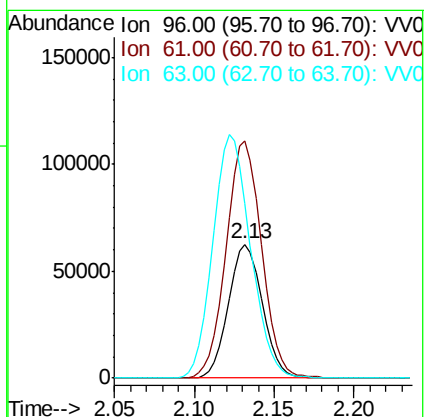
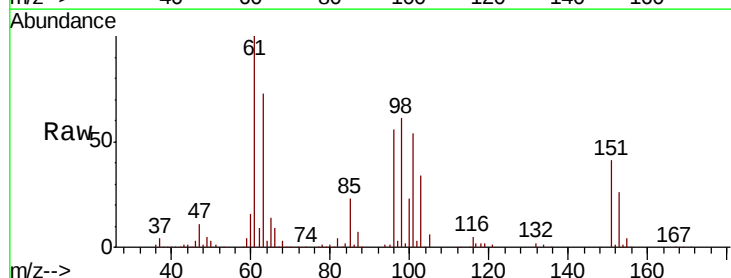
Tgt Ion: 96 Resp: 90666

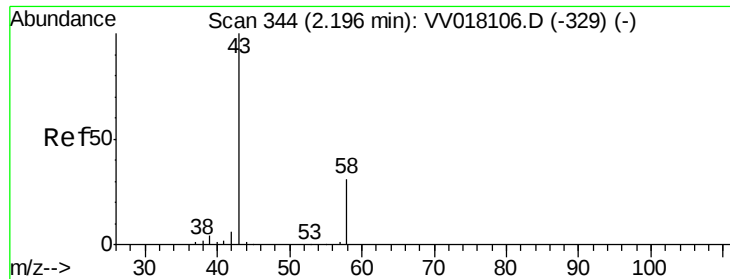
Ion Ratio Lower Upper

96 100

61 177.7 127.1 236.0

63 130.5 95.2 176.8





#13

Acetone

Concen: 119.204 ug/L

RT: 2.19 min Scan# 342

Delta R.T. -0.01 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

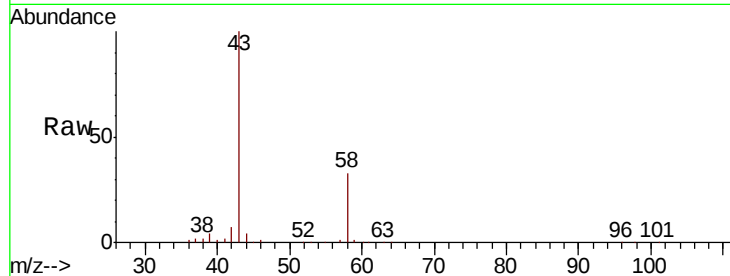
VSTD05089

Tot Ion: 43 Resp: 171026

Ion Ratio Lower Upper

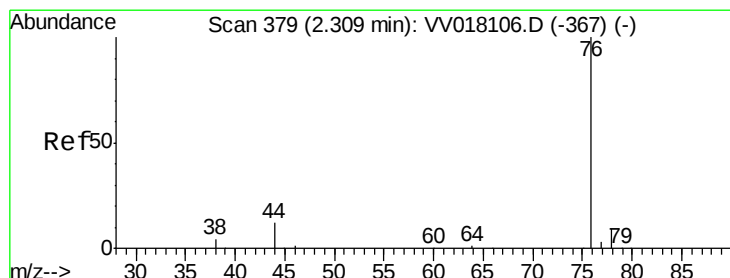
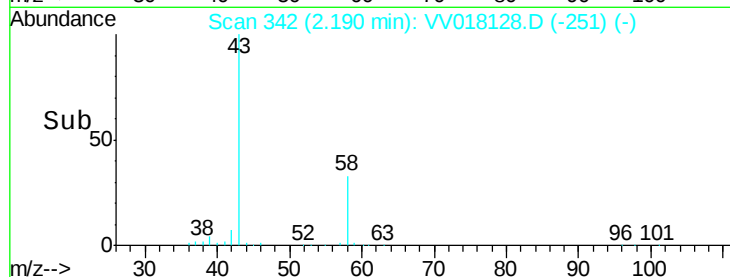
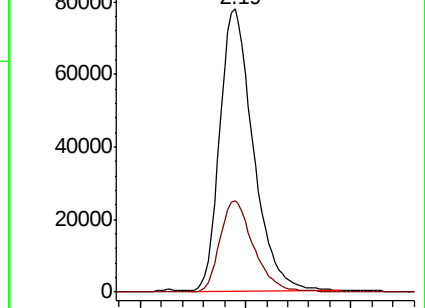
43 100

58 32.2 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018106.D (-329) (-)

Ion 58.00 (57.70 to 58.70): VV018106.D (-329) (-)



#14

Carbon disulfide

Concen: 45.896 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018128.D

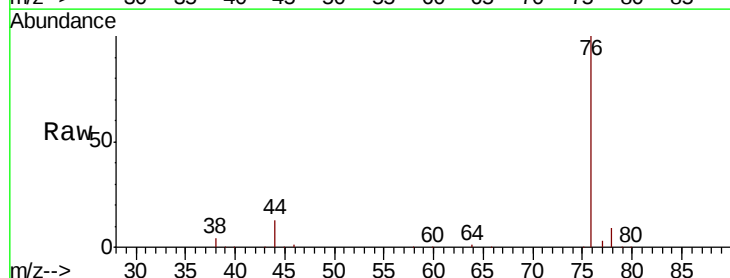
Acq: 28 Aug 2020 10:18

Tgt Ion: 76 Resp: 235533

Ion Ratio Lower Upper

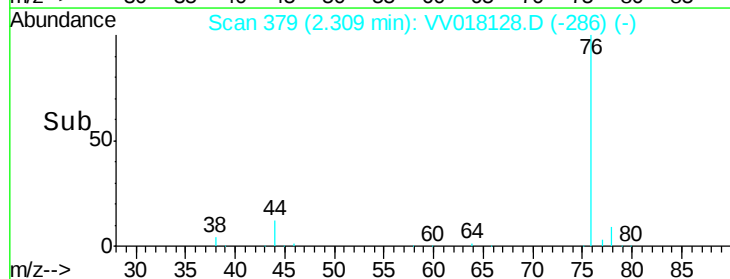
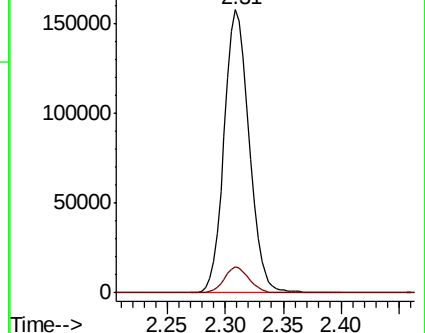
76 100

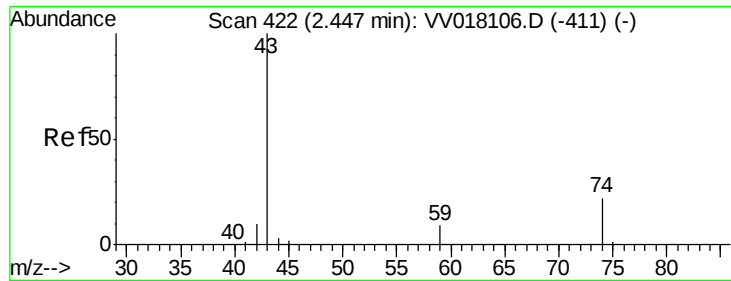
78 9.1 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018106.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018106.D (-367) (-)

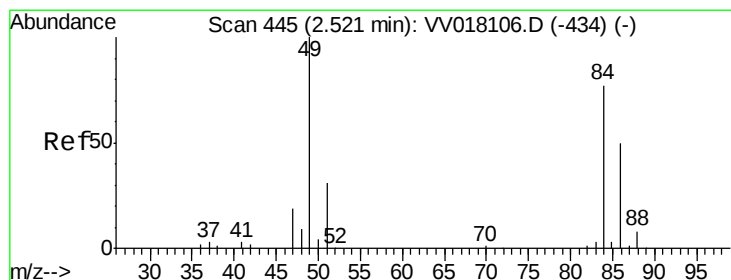
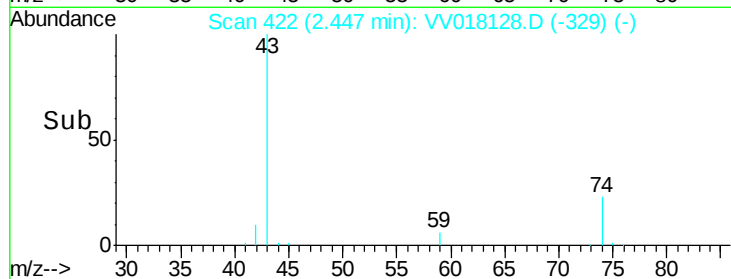
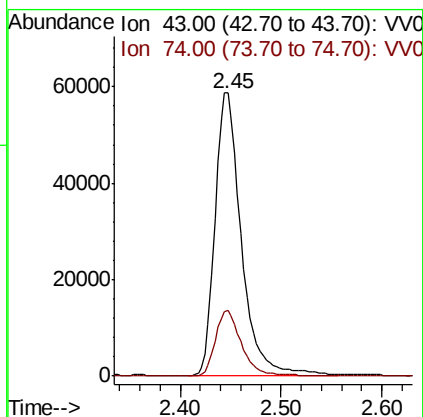
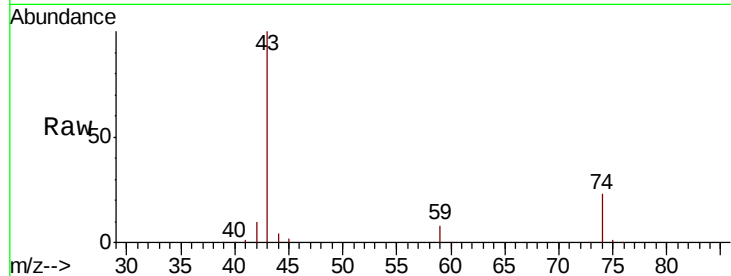




#15
Methvl Acetate
Concen: 45.954 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018128.D
Acq: 28 Aug 2020 10:18

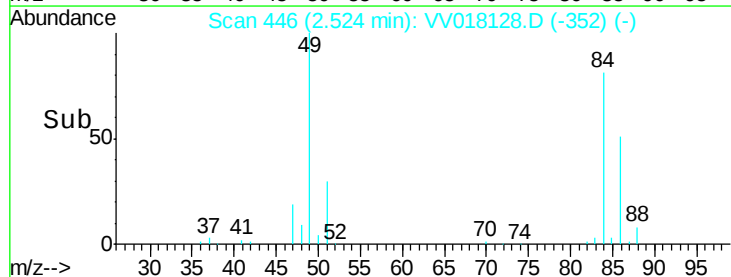
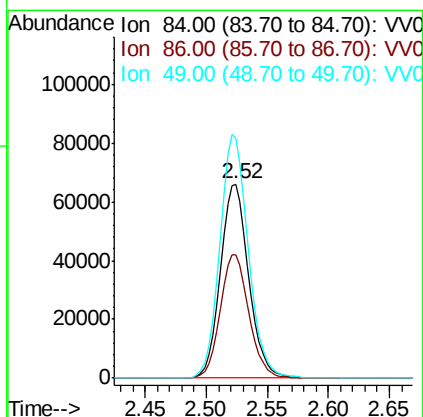
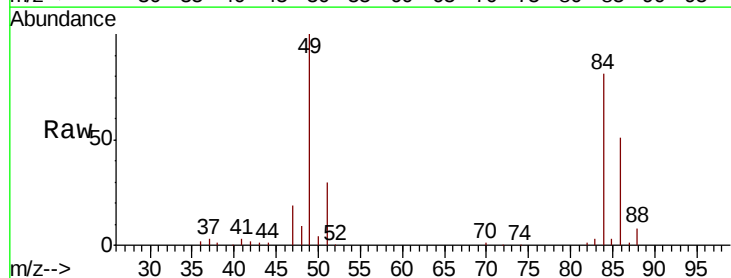
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

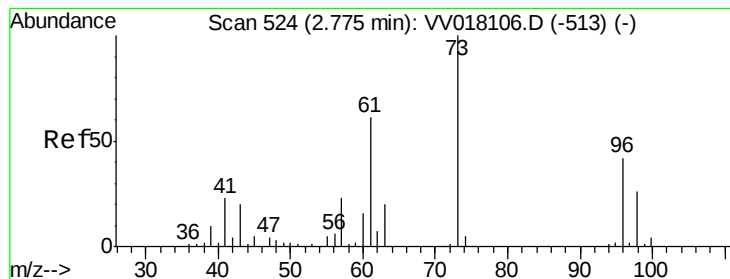
Tot Ion: 43 Resp: 106401
Ion Ratio Lower Upper
43 100
74 22.8 18.4 27.6



#16
Methylene chloride
Concen: 45.502 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018128.D
Acq: 28 Aug 2020 10:18

Tgt Ion: 84 Resp: 108088
Ion Ratio Lower Upper
84 100
86 63.6 46.3 85.9
49 123.8 89.7 166.5





#17

trans-1,2-Dichloroethene

Concen: 48.482 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

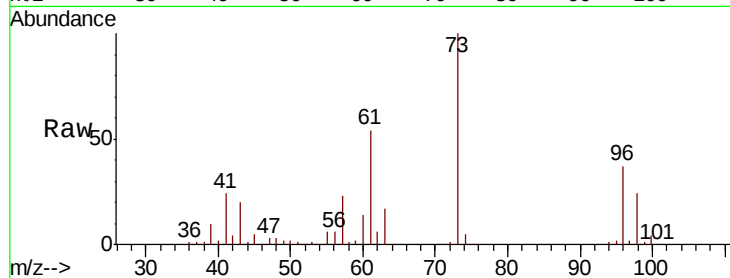
Tot Ion: 96 Resp: 92924

Ion Ratio Lower Upper

96 100

61 147.3 102.4 190.2

98 64.7 44.4 82.5

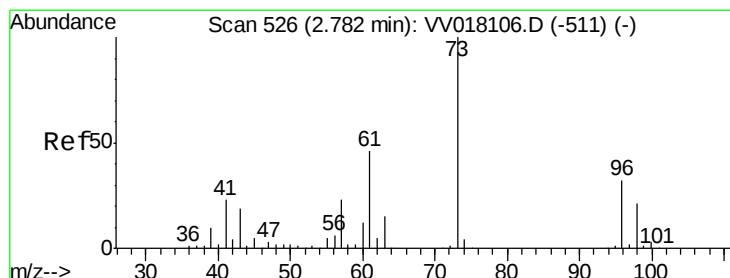
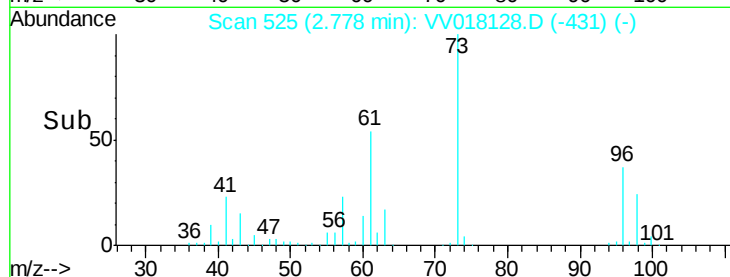
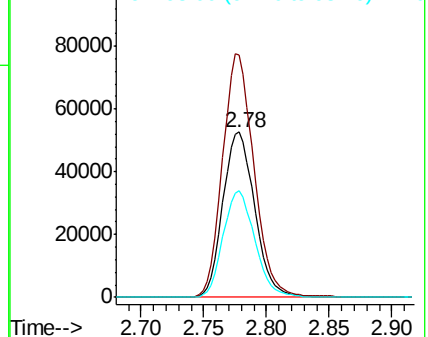


Abundance

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: 49.153 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

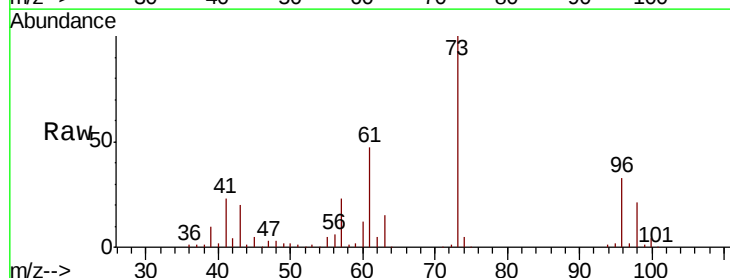
Tgt Ion: 73 Resp: 311572

Ion Ratio Lower Upper

73 100

43 19.6 15.9 23.9

57 22.5 18.1 27.1

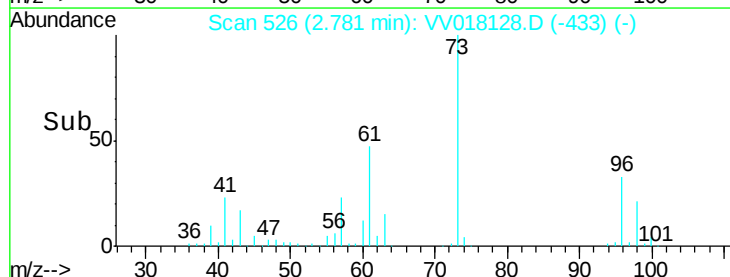
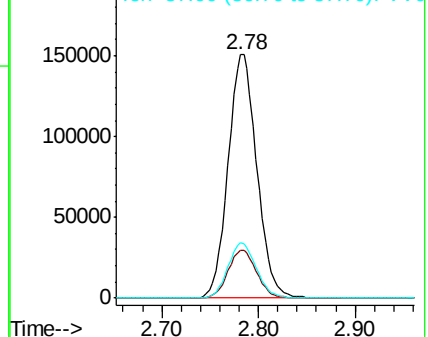


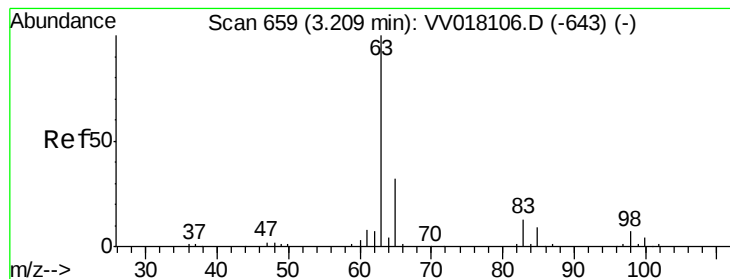
Abundance

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: 49.341 ug/L

RT: 3.21 min Scan# 659

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampled :

VSTD05089

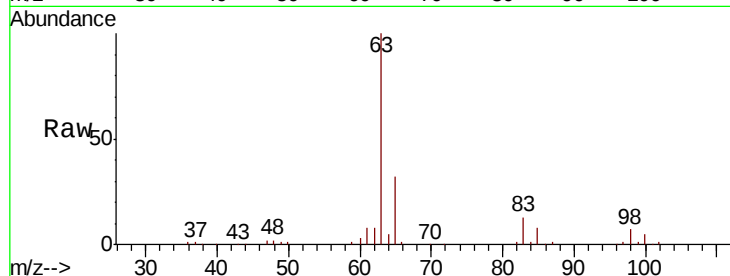
Tot Ion: 63 Resp: 190158

Ion Ratio Lower Upper

63 100

65 32.2 22.5 41.7

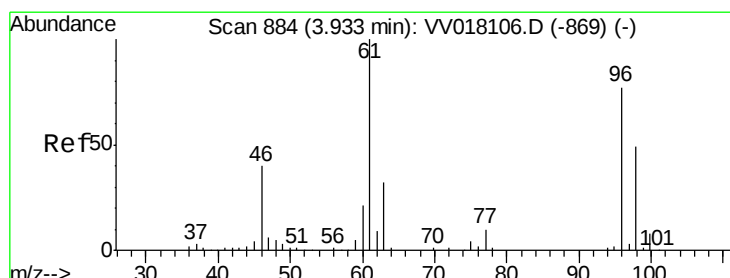
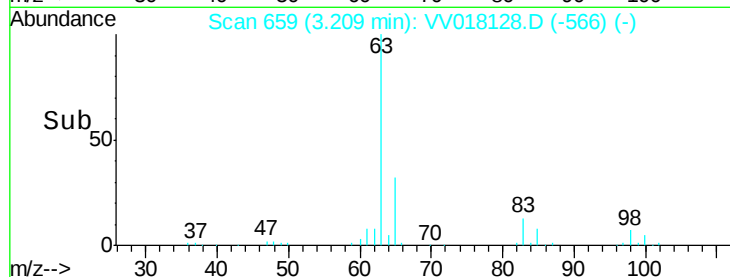
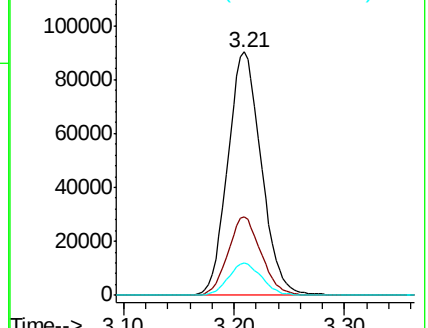
83 13.1 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 65.00 (64.70 to 65.70): VV0

Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 49.421 ug/L

RT: 3.94 min Scan# 885

Delta R.T. 0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

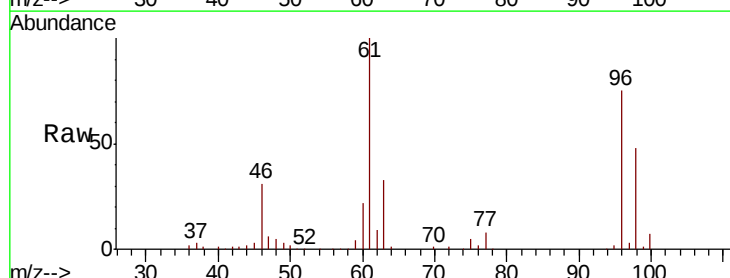
Tgt Ion: 96 Resp: 104092

Ion Ratio Lower Upper

96 100

61 133.5 95.0 176.4

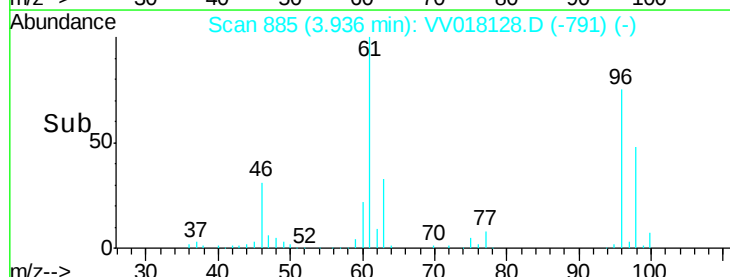
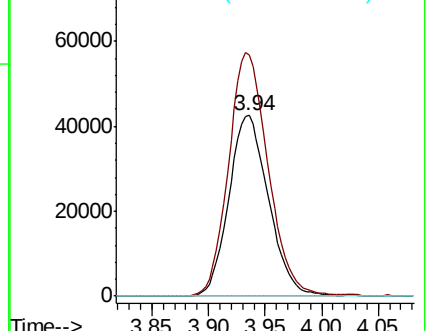
68 0.0 0.0 0.0

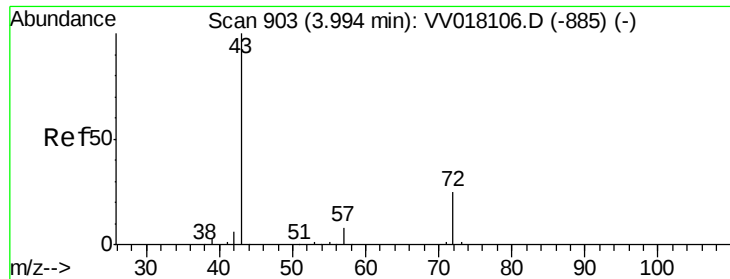


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 111.509 ug/L

RT: 3.99 min Scan# 901

Delta R.T. -0.01 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

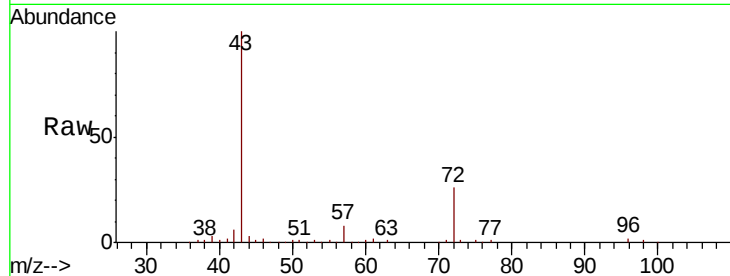
VSTD05089

Tot Ion: 43 Resp: 179478

Ion Ratio Lower Upper

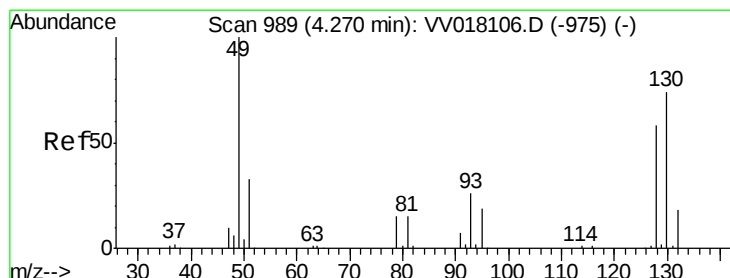
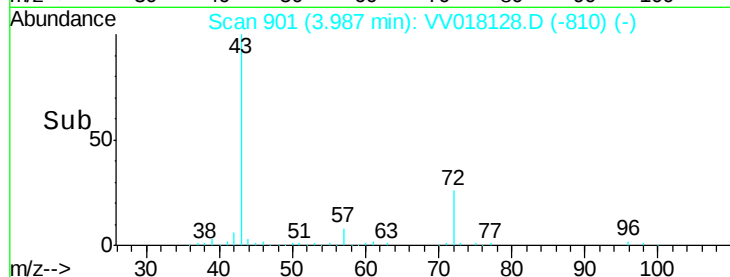
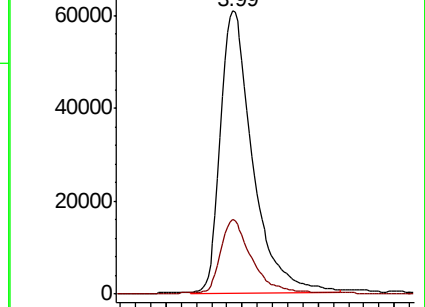
43 100

72 26.5 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018128.D (-810) (-)

Ion 72.00 (71.70 to 72.70): VV018128.D (-810) (-)



#23

Bromochloromethane

Concen: 50.621 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Tgt Ion:128 Resp: 55698

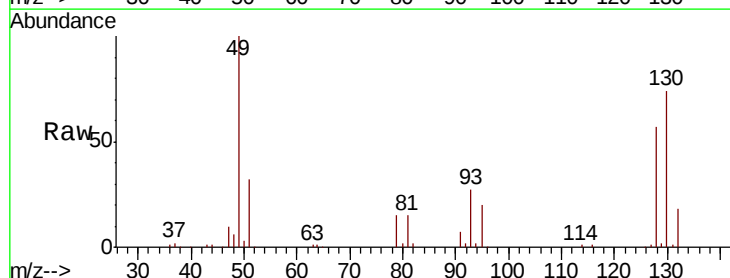
Ion Ratio Lower Upper

128 100

49 175.0 125.6 233.3

130 129.0 89.9 167.0

51 56.1 45.8 68.6

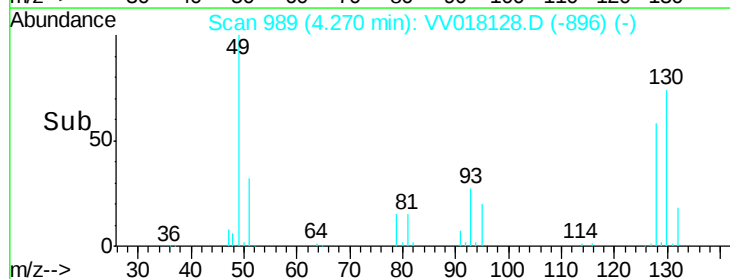
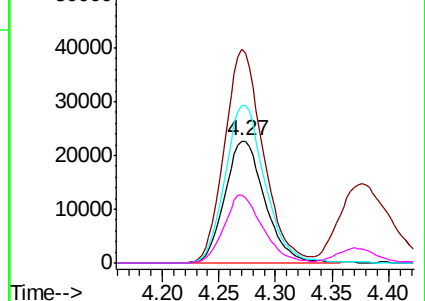


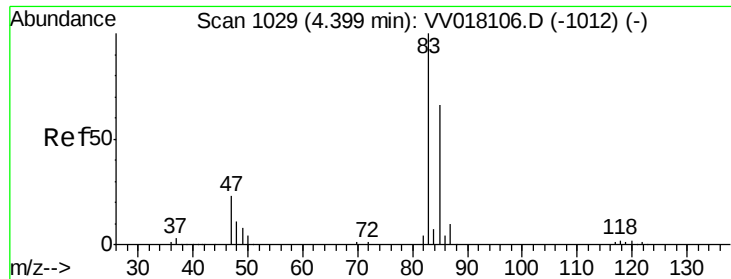
Abundance Ion 128.00 (127.70 to 128.70): VV018128.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV018128.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV018128.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV018128.D (-896) (-)





#25

Chloroform

Concen: 49.743 ug/L

RT: 4.40 min Scan# 1029

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

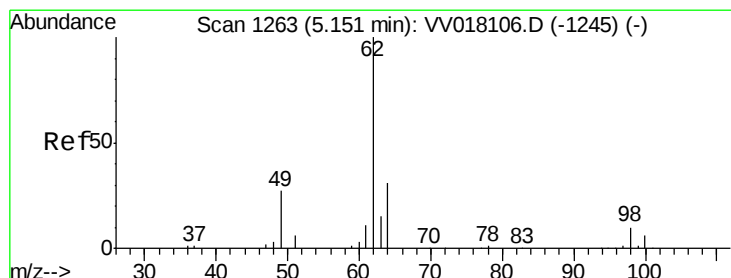
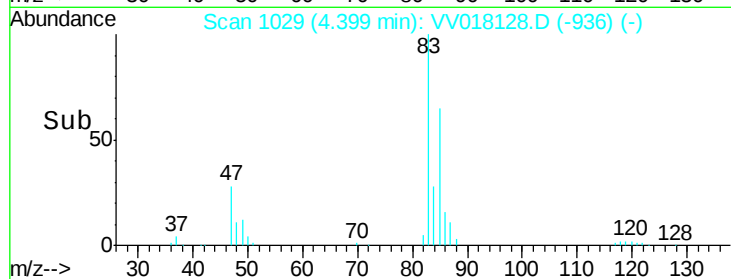
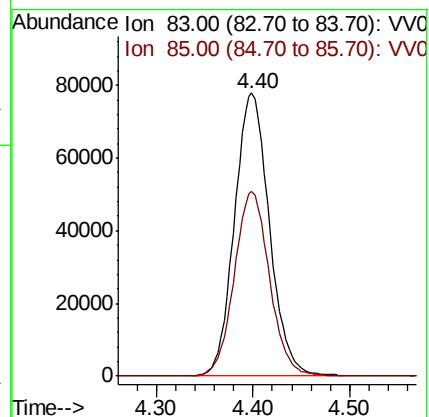
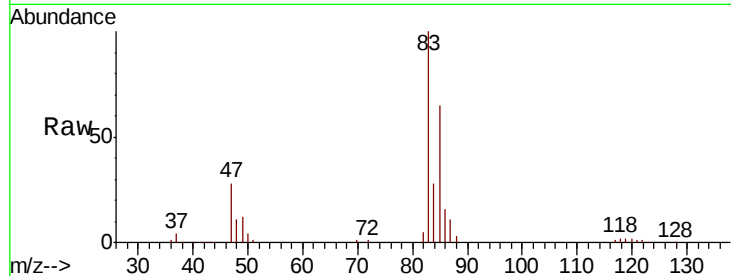
VSTD05089

Tot Ion: 83 Resp: 195535

Ion Ratio Lower Upper

83 100

85 65.5 45.5 84.5



#27

1,2-Dichloroethane

Concen: 48.149 ug/L

RT: 5.15 min Scan# 1263

Delta R.T. -0.00 min

Lab File: VV018128.D

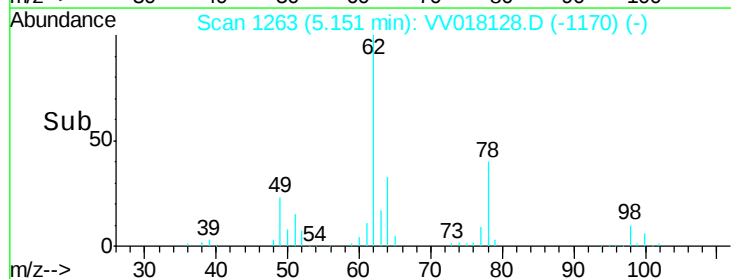
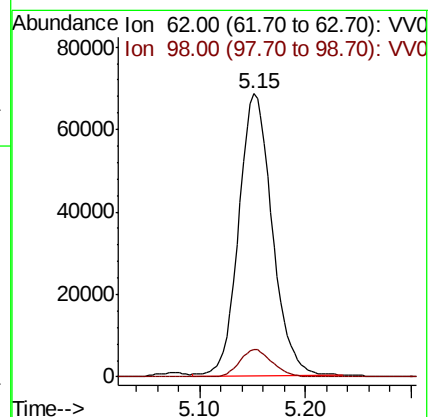
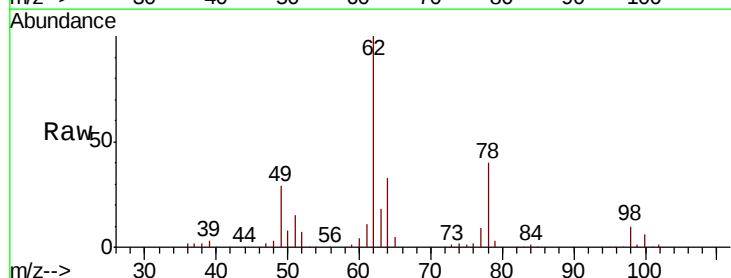
Acq: 28 Aug 2020 10:18

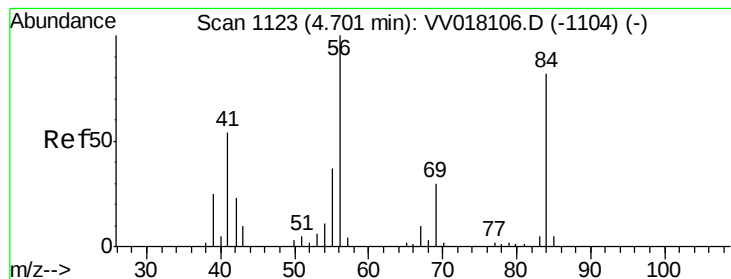
Tgt Ion: 62 Resp: 150649

Ion Ratio Lower Upper

62 100

98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 45.702 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

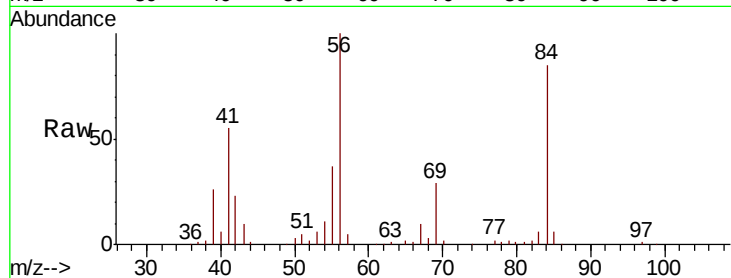
Tot Ion: 56 Resp: 153834

Ion Ratio Lower Upper

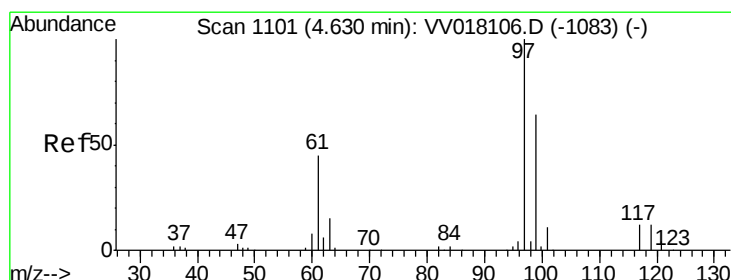
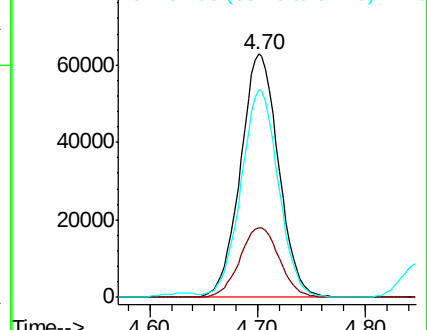
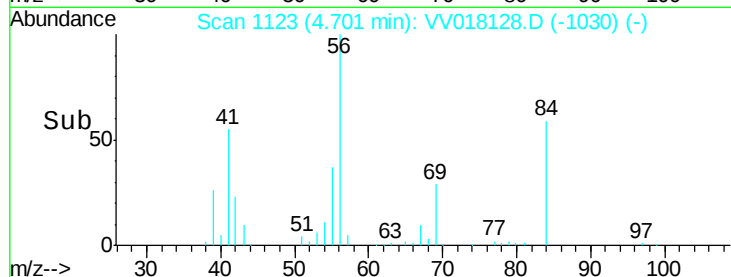
56 100

69 29.9 23.8 35.8

84 84.0 66.8 100.2



Abundance Ion 56.00 (55.70 to 56.70): VV018128.D (-1030) (-)



#30

1,1,1-Trichloroethane

Concen: 48.154 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

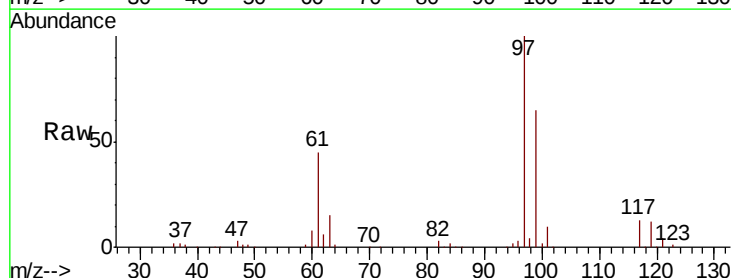
Tgt Ion: 97 Resp: 164574

Ion Ratio Lower Upper

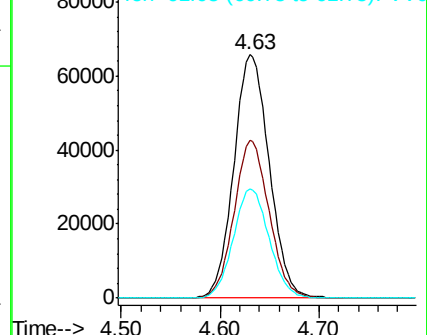
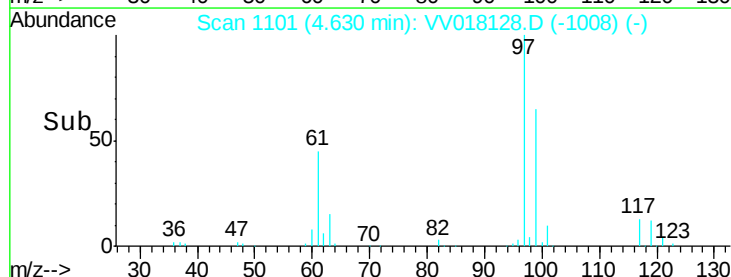
97 100

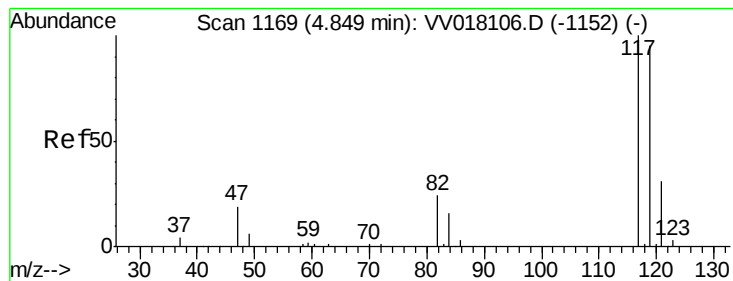
99 64.0 50.6 76.0

61 45.3 37.0 55.6



Abundance Ion 97.00 (96.70 to 97.70): VV018128.D (-1008) (-)





#31

Carbon tetrachloride

Concen: 49.745 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. 0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

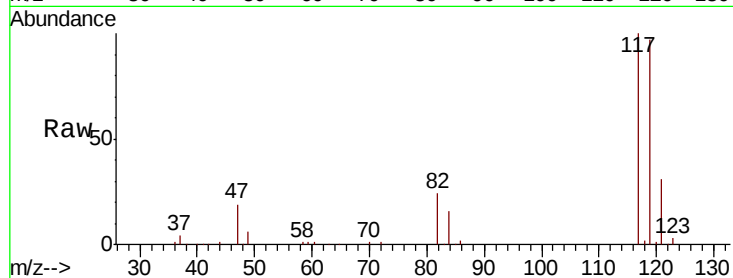
VSTD05089

Tot Ion:117 Resp: 141532

Ion Ratio Lower Upper

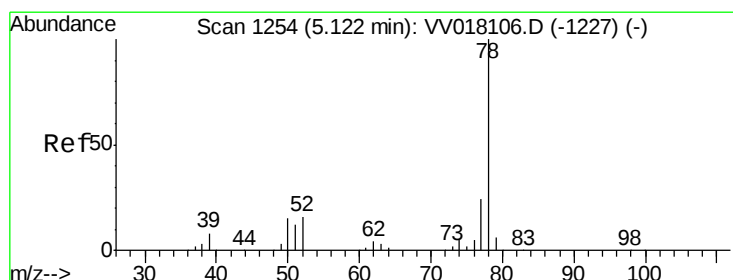
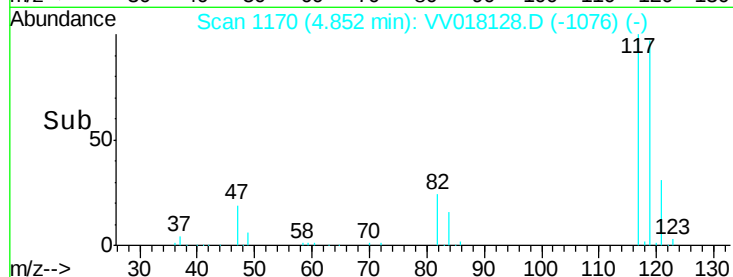
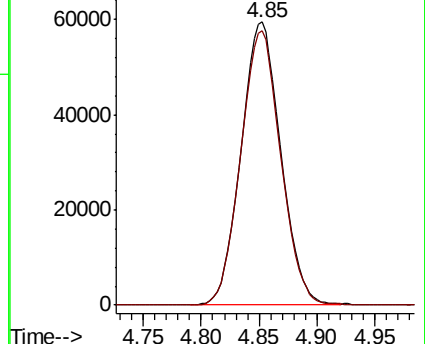
117 100

119 97.6 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 47.816 ug/L

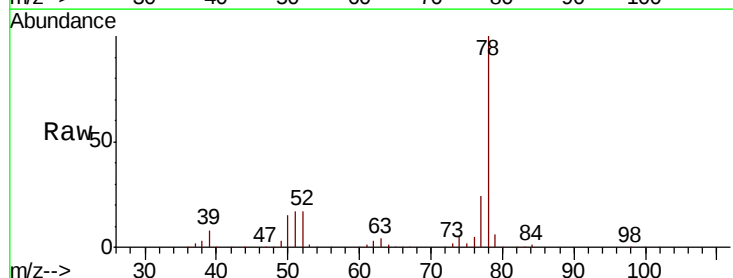
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

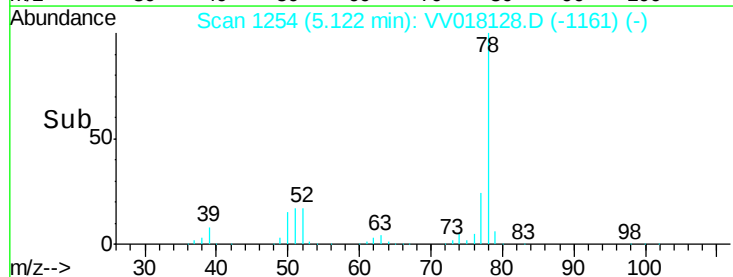
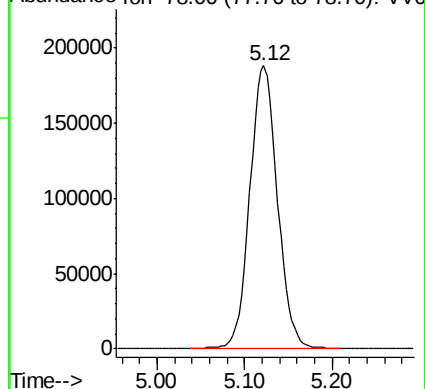
Lab File: VV018128.D

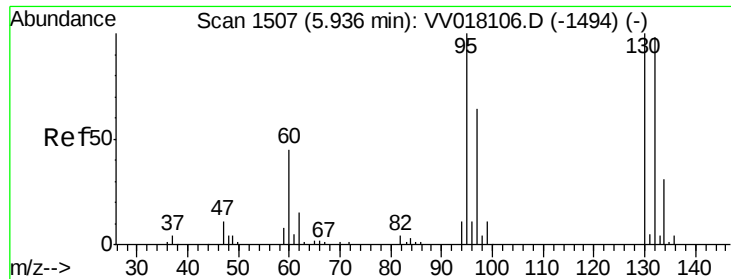
Acq: 28 Aug 2020 10:18

Tgt Ion: 78 Resp: 412582



Abundance Ion 78.00 (77.70 to 78.70): VV0

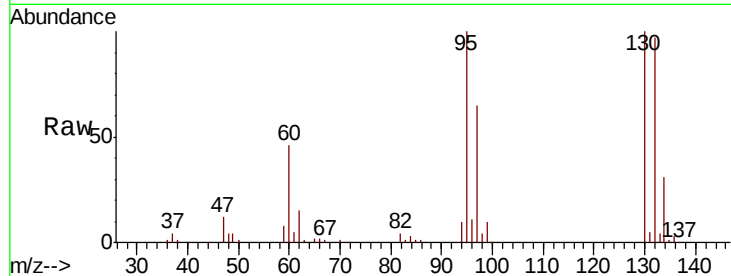




#34
 Trichloroethene
 Concen: 47.224 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tot Ion:	95	Resp:	107707
Ion	Ratio	Lower	Upper
95	100		
97	64.6	46.0	85.4
132	96.8	65.8	122.2
130	99.5	69.2	128.6



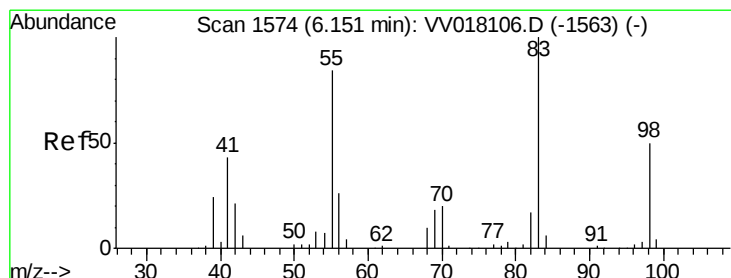
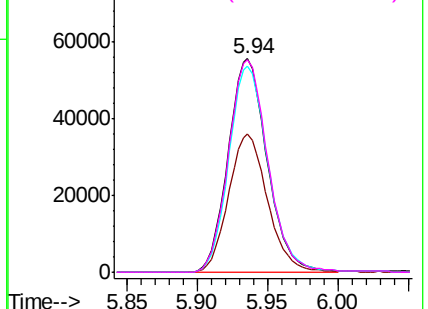
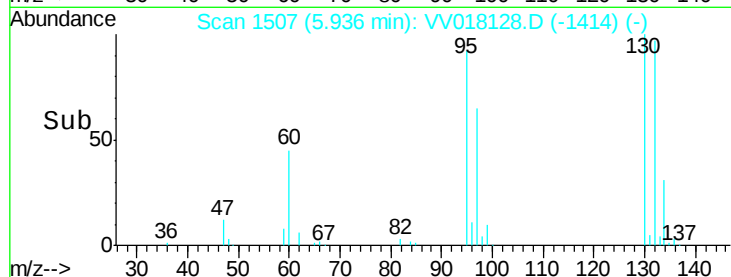
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

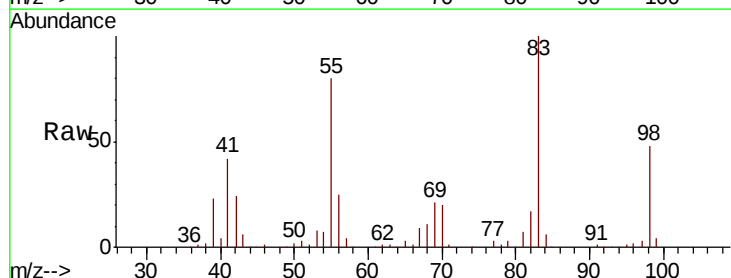
Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#35
 Methylcyclohexane
 Concen: 46.891 ug/L
 RT: 6.15 min Scan# 1574
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Tgt Ion:	83	Resp:	159027
Ion	Ratio	Lower	Upper
83	100		
55	80.3	64.9	97.3
98	48.0	38.7	58.1

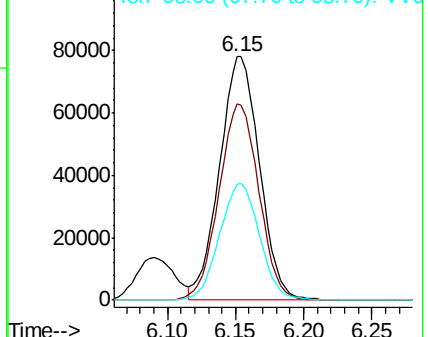
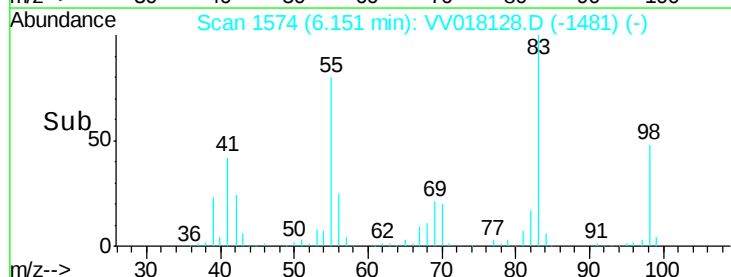


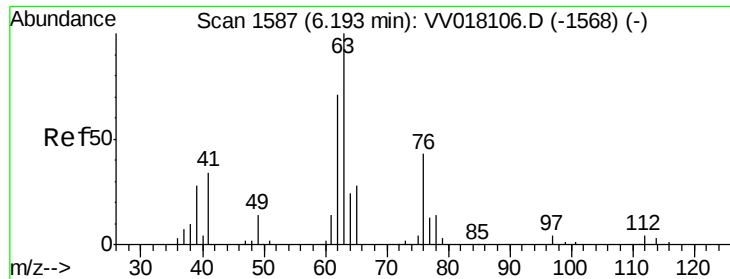
Abundance

Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

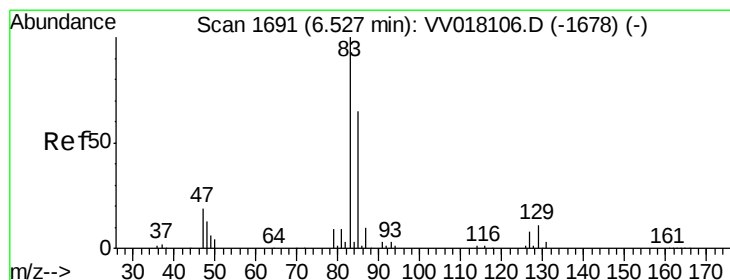
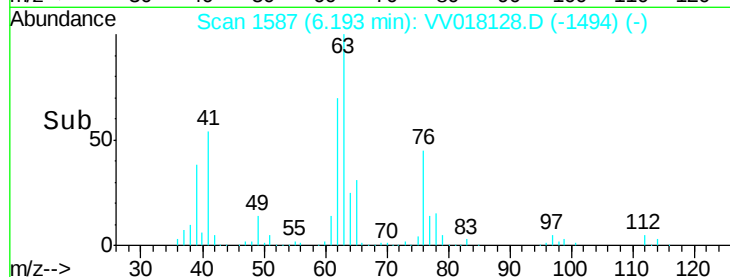
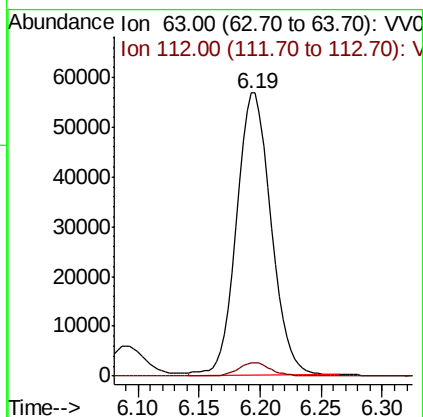
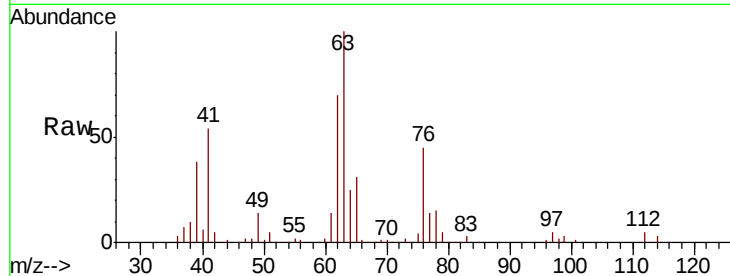




#37
 1,2-Dichloropropane
 Concen: 47.164 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

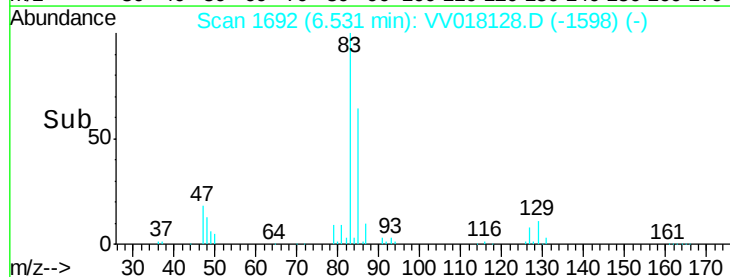
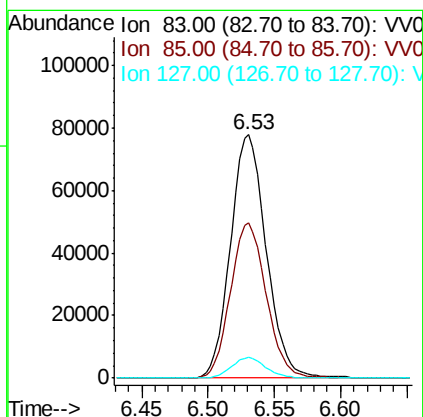
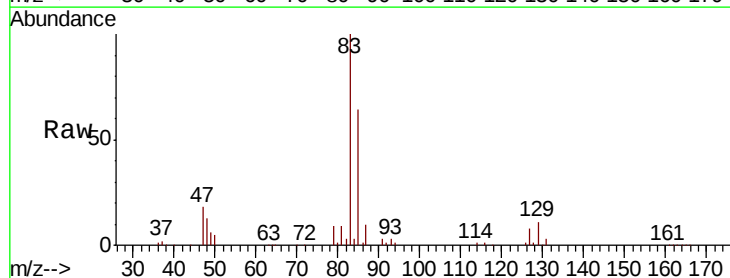
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

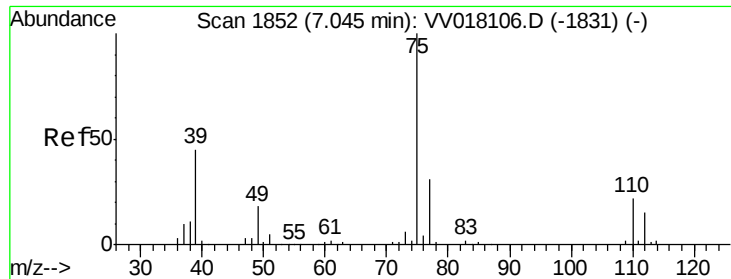
Tot Ion: 63 Resp: 110981
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.5 5.3



#38
 Bromodichloromethane
 Concen: 49.920 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Tgt Ion: 83 Resp: 145906
 Ion Ratio Lower Upper
 83 100
 85 63.7 44.3 82.3
 127 8.3 6.5 9.7

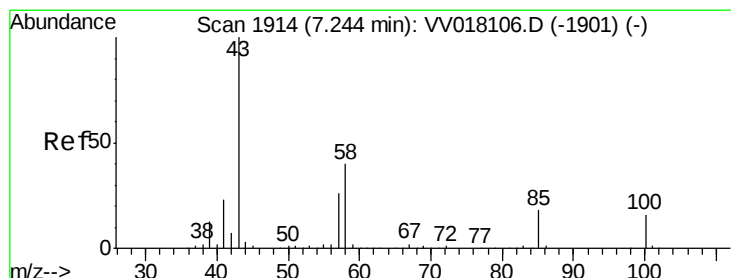
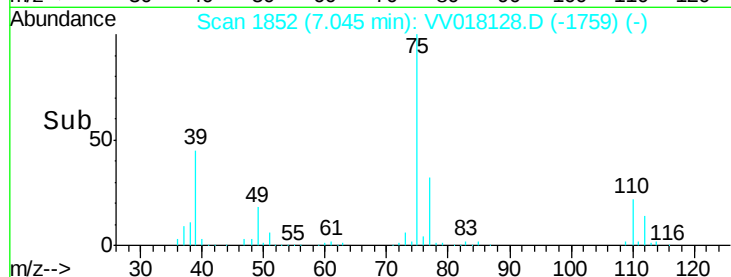
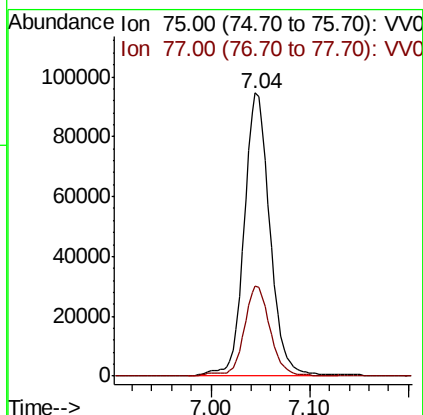
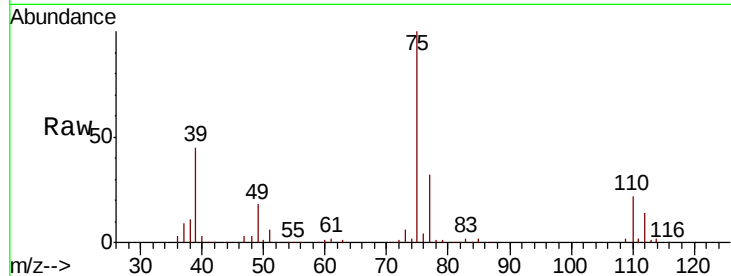




#39
 cis-1,3-Dichloropropene
 Concen: 51.187 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

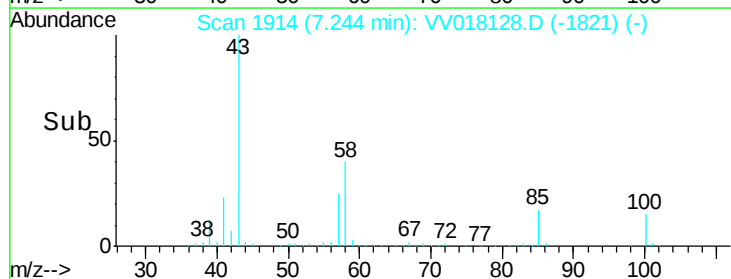
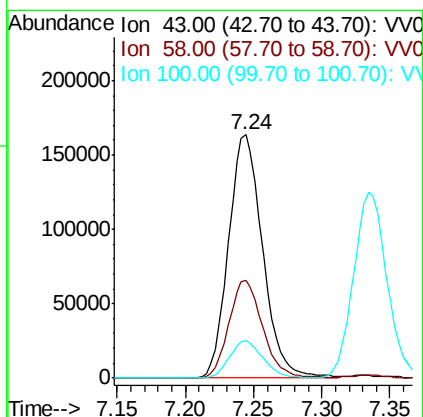
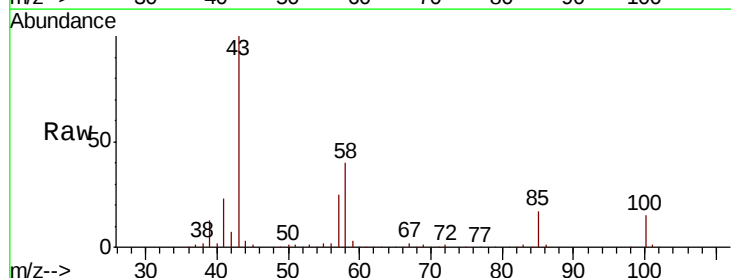
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

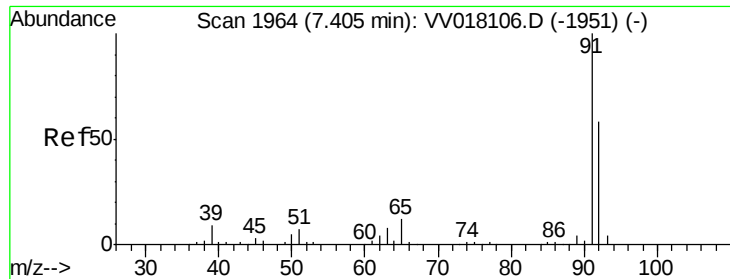
Tot Ion: 75 Resp: 170749
 Ion Ratio Lower Upper
 75 100
 77 32.0 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 92.558 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Tgt Ion: 43 Resp: 284718
 Ion Ratio Lower Upper
 43 100
 58 39.7 31.9 47.9
 100 15.2 12.2 18.2





#42

Toluene

Concen: 48.702 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

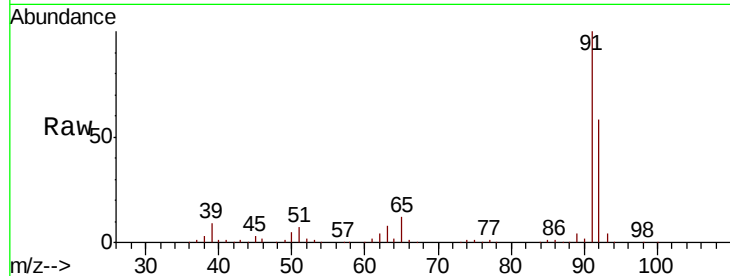
VSTD05089

Tot Ion: 91 Resp: 438502

Ion Ratio Lower Upper

91 100

92 58.3 40.6 75.4



Abundance Ion 91.00 (90.70 to 91.70): VV018106.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV018106.D (-1951) (-)

7.41

250000

200000

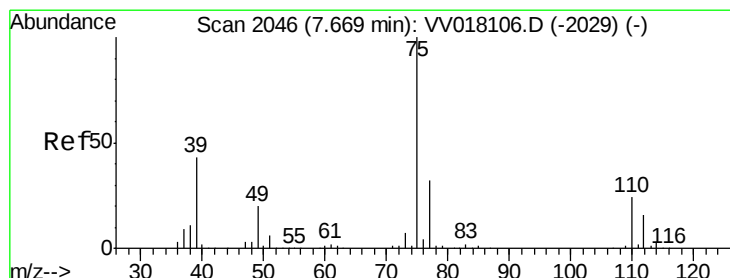
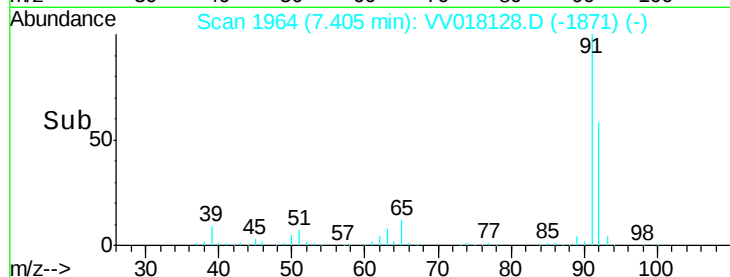
150000

100000

50000

0

Time--> 7.30 7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 53.380 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018128.D

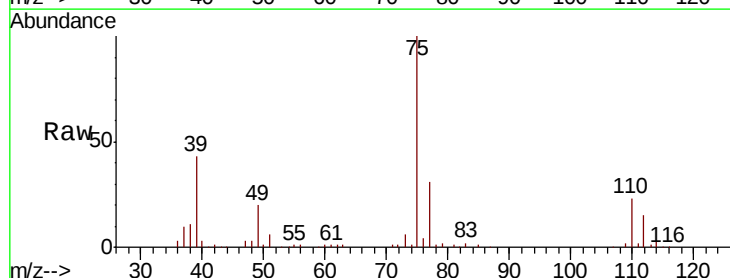
Acq: 28 Aug 2020 10:18

Tgt Ion: 75 Resp: 168949

Ion Ratio Lower Upper

75 100

77 31.4 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV018106.D (-2029) (-)

Ion 77.00 (76.70 to 77.70): VV018106.D (-2029) (-)

7.67

100000

80000

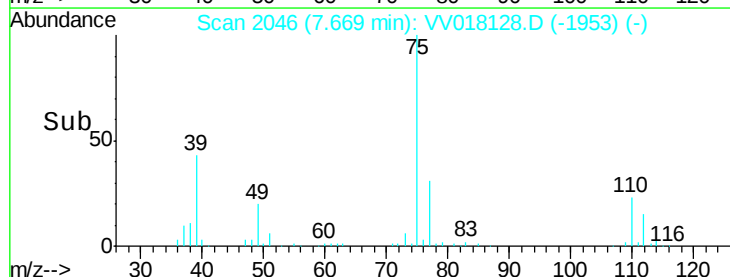
60000

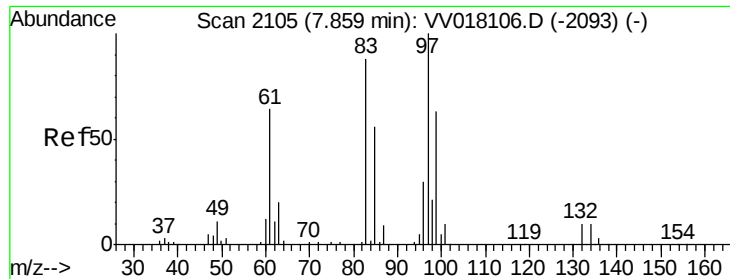
40000

20000

0

Time--> 7.60 7.70

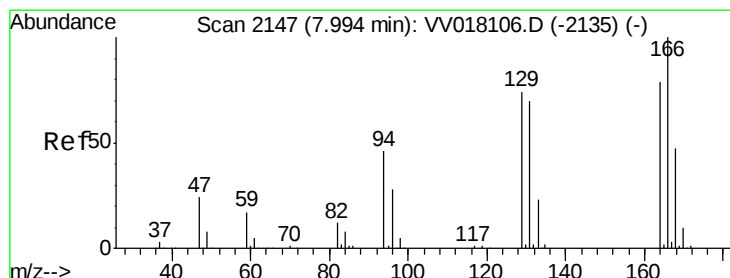
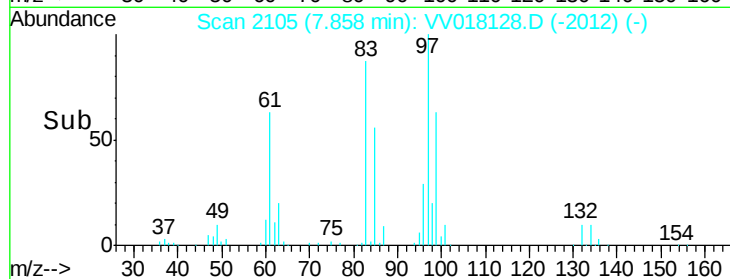
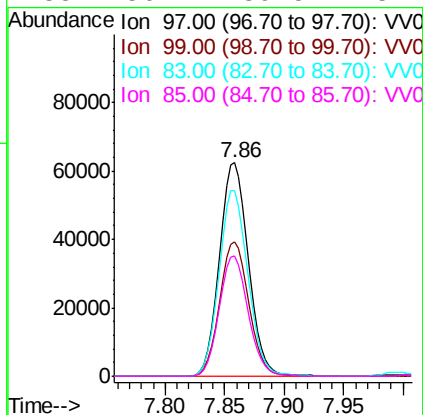
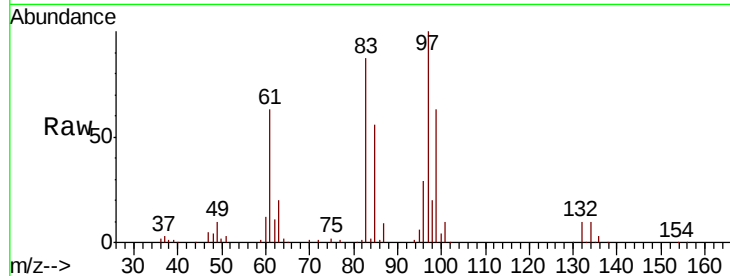




#45
 1,1,2-Trichloroethane
 Concen: 48.383 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

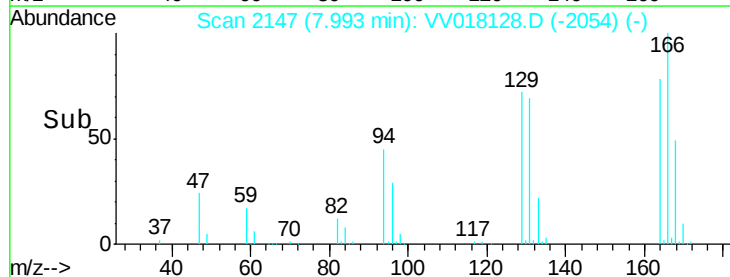
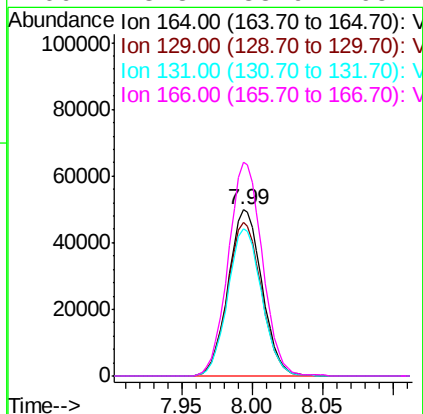
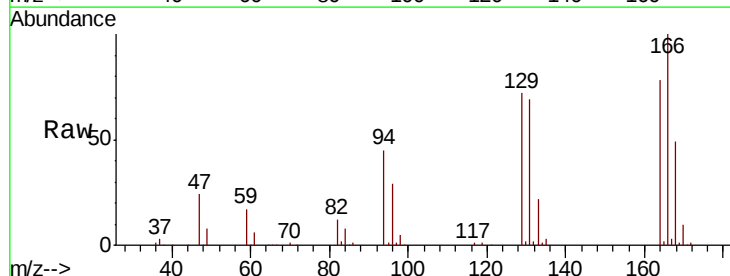
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

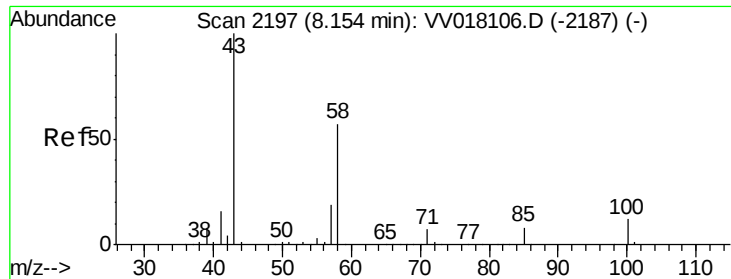
Tot Ion:	97	Resp:	105434
Ion	Ratio	Lower	Upper
97	100		
99	63.1	44.2	82.2
83	87.0	61.0	113.4
85	56.1	39.5	73.4



#46
 Tetrachloroethene
 Concen: 50.104 ug/L
 RT: 7.99 min Scan# 2147
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Tgt Ion:	164	Resp:	83808
Ion	Ratio	Lower	Upper
164	100		
129	93.0	64.8	120.3
131	89.0	64.5	119.9
166	128.8	88.9	165.1

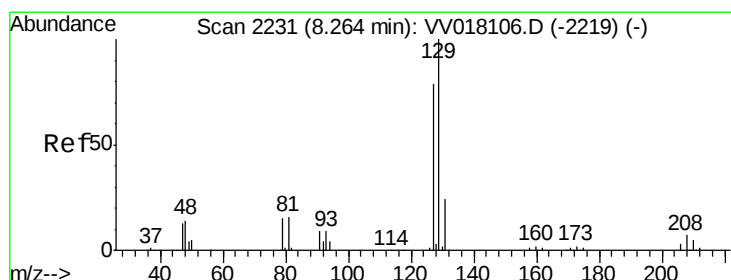
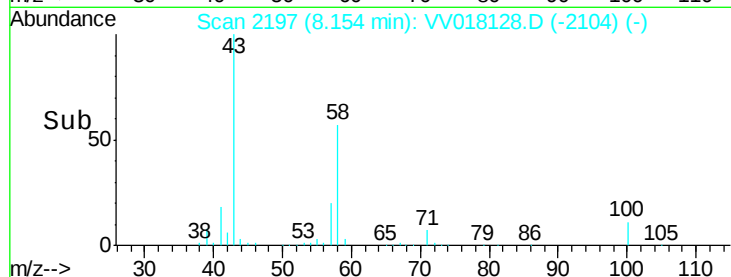
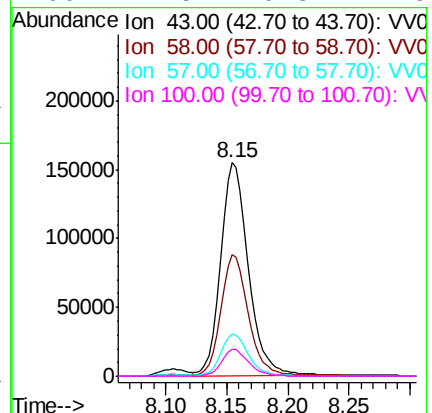
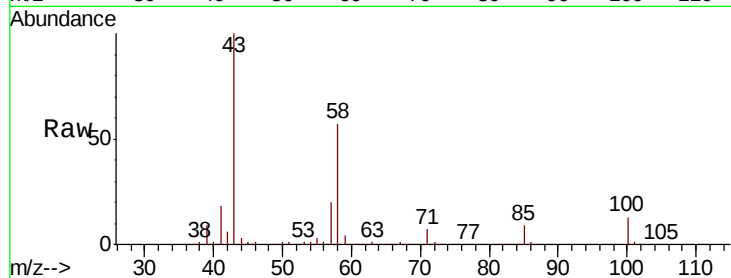




#48
2-Hexanone
Concen: 99.771 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018128.D
Acq: 28 Aug 2020 10:18

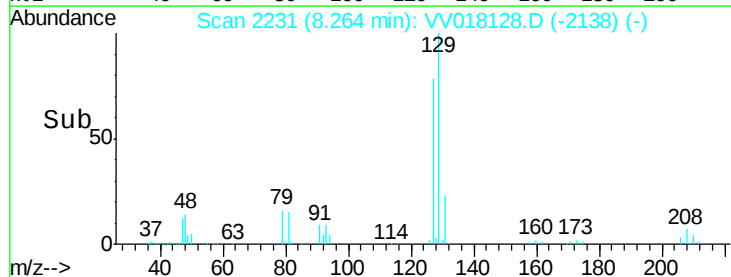
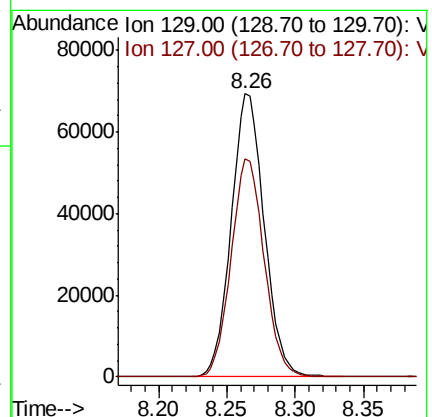
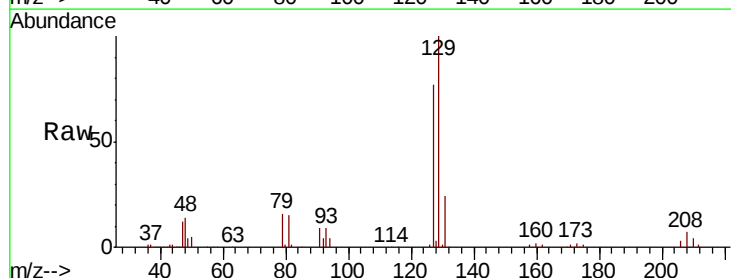
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

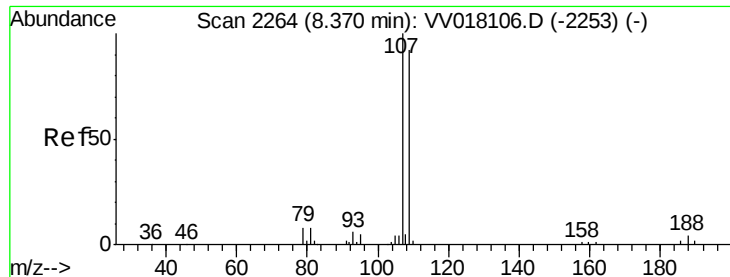
Tot Ion: 43 Resp: 247485
Ion Ratio Lower Upper
43 100
58 57.0 44.4 66.6
57 19.8 15.2 22.8
100 12.5 9.8 14.6



#49
Dibromochloromethane
Concen: 54.834 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018128.D
Acq: 28 Aug 2020 10:18

Tgt Ion: 129 Resp: 116633
Ion Ratio Lower Upper
129 100
127 76.9 54.9 101.9





#50

1,2-Dibromoethane

Concen: 48.126 ug/L

RT: 8.37 min Scan# 2264

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

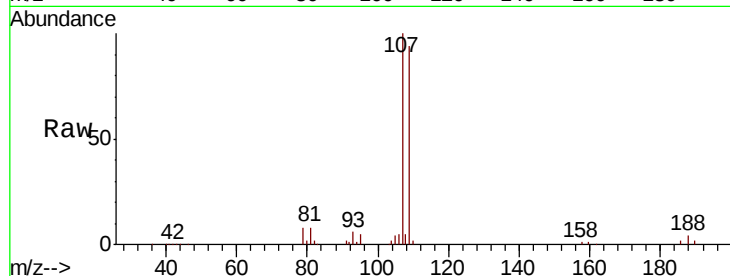
Tot Ion:107 Resp: 108505

Ion Ratio Lower Upper

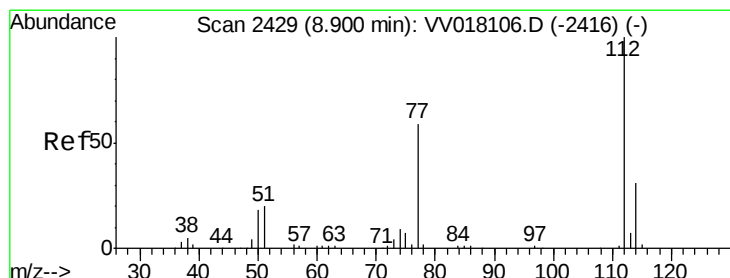
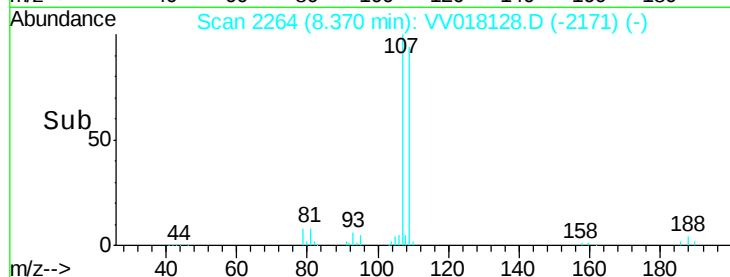
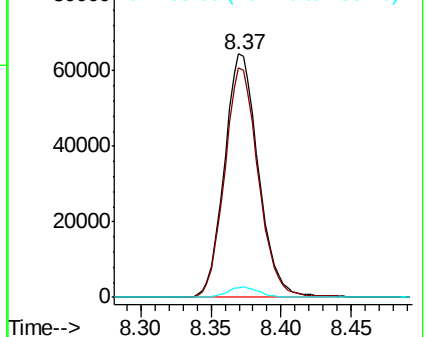
107 100

109 94.0 67.5 125.4

188 4.1 3.4 5.0



Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V



#51

Chlorobenzene

Concen: 49.465 ug/L

RT: 8.90 min Scan# 2429

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

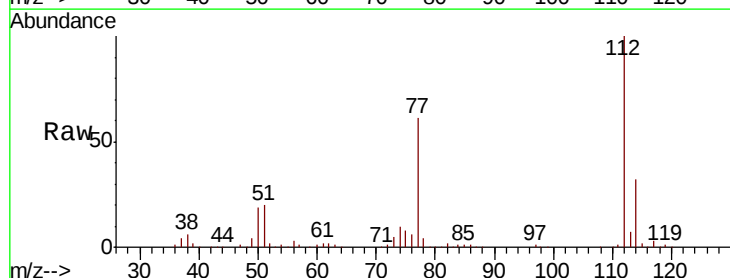
Tgt Ion:112 Resp: 286438

Ion Ratio Lower Upper

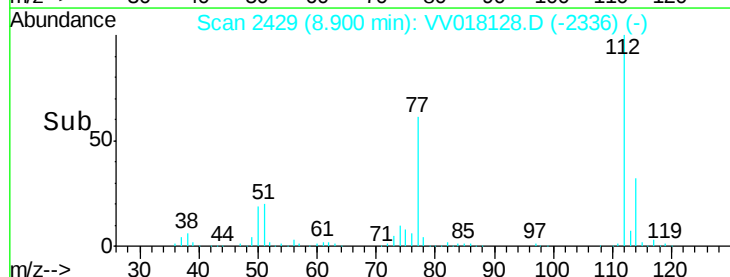
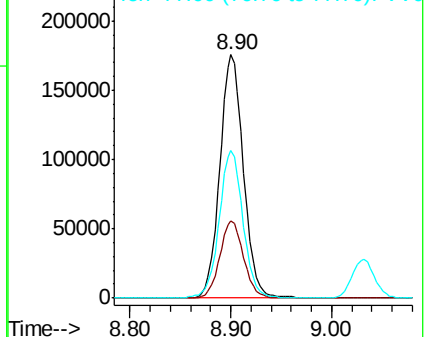
112 100

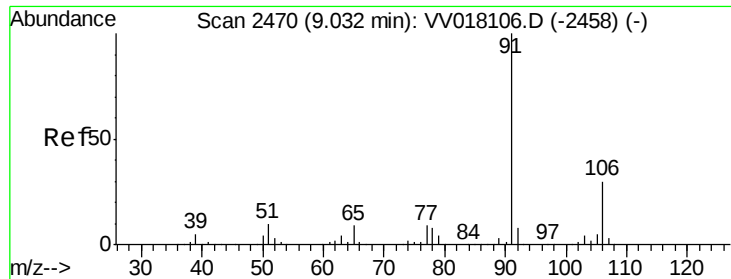
114 31.8 22.7 42.3

77 60.8 49.4 74.2



Abundance Ion 112.00 (111.70 to 112.70): V
Ion 114.00 (113.70 to 114.70): V
Ion 77.00 (76.70 to 77.70): V

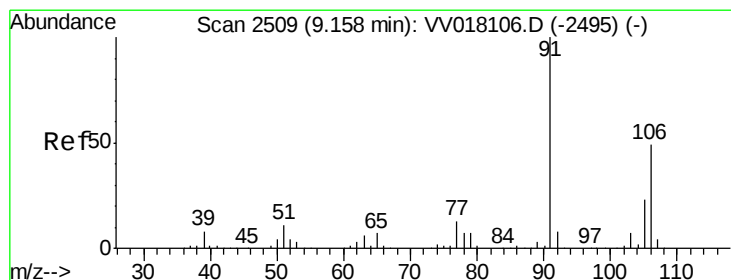
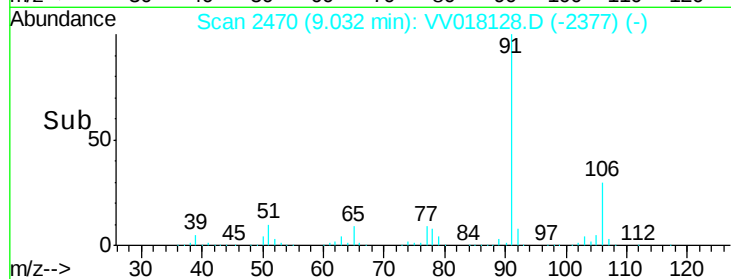
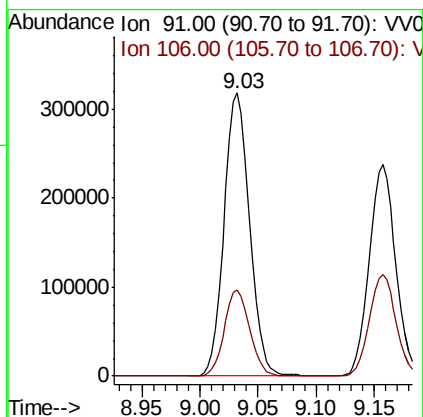
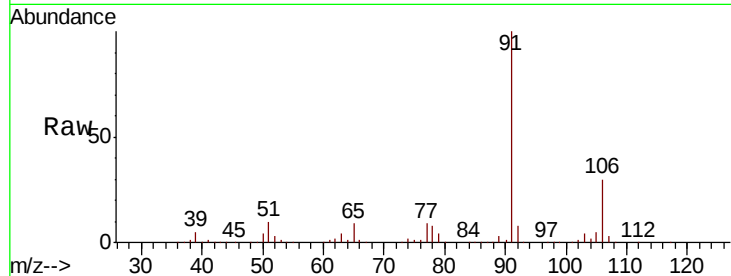




#52
Ethylbenzene
Concen: 49.584 ug/L
RT: 9.03 min Scan# 2470
Delta R.T. -0.00 min
Lab File: VV018128.D
Acq: 28 Aug 2020 10:18

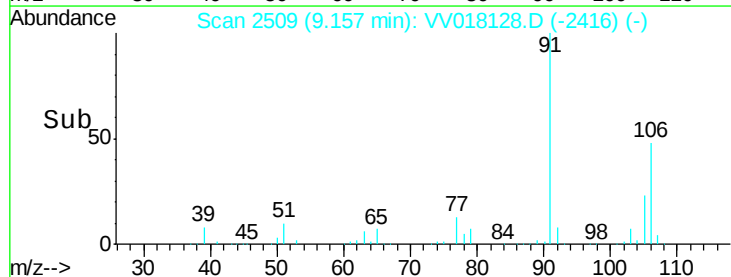
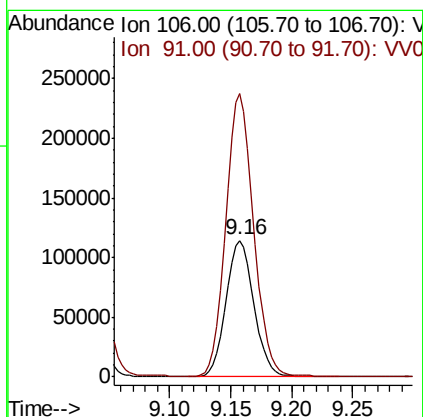
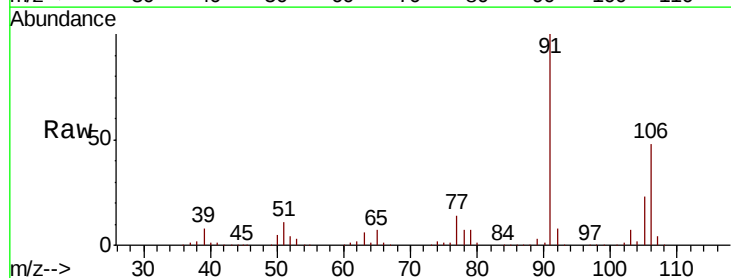
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

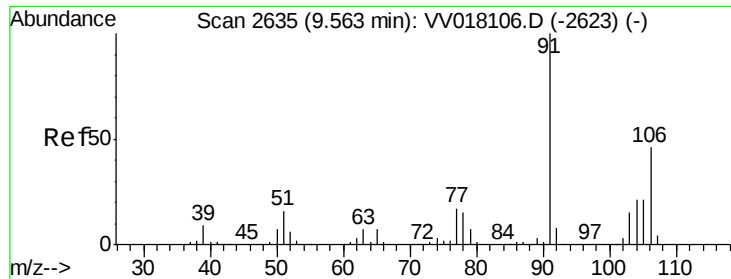
Tot Ion: 91 Resp: 486778
Ion Ratio Lower Upper
91 100
106 30.4 21.1 39.3



#53
m,p-Xylene
Concen: 50.644 ug/L
RT: 9.16 min Scan# 2509
Delta R.T. -0.00 min
Lab File: VV018128.D
Acq: 28 Aug 2020 10:18

Tgt Ion: 106 Resp: 182862
Ion Ratio Lower Upper
106 100
91 207.3 147.3 273.6





#54

o-xylene

Concen: 49.349 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

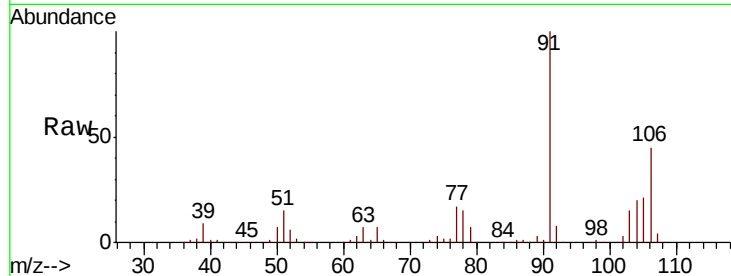
Instrument :
MSVOA_V
ClientSampleId :
VSTD05089

Tot Ion:106 Resp: 176087

Ion Ratio Lower Upper

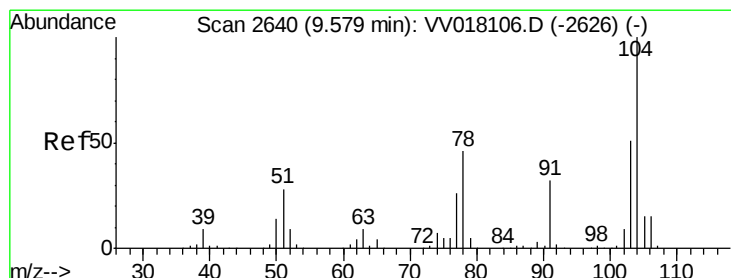
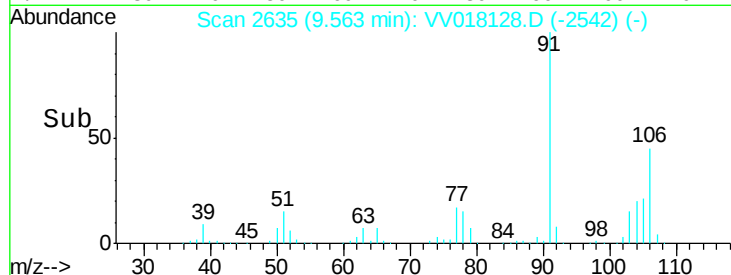
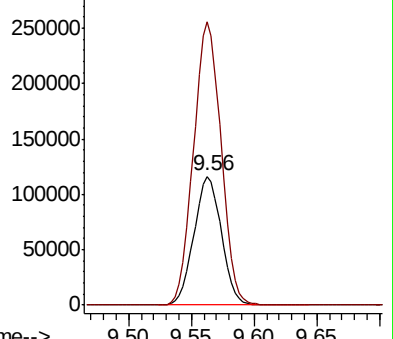
106 100

91 220.2 156.0 289.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 52.452 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018128.D

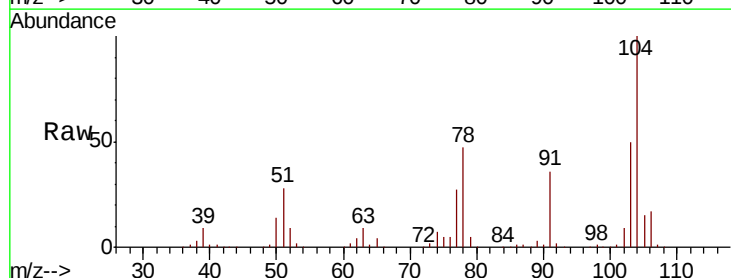
Acq: 28 Aug 2020 10:18

Tgt Ion:104 Resp: 320512

Ion Ratio Lower Upper

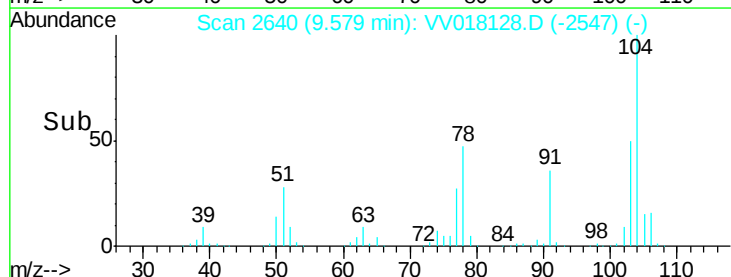
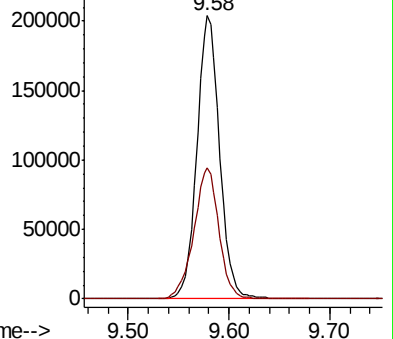
104 100

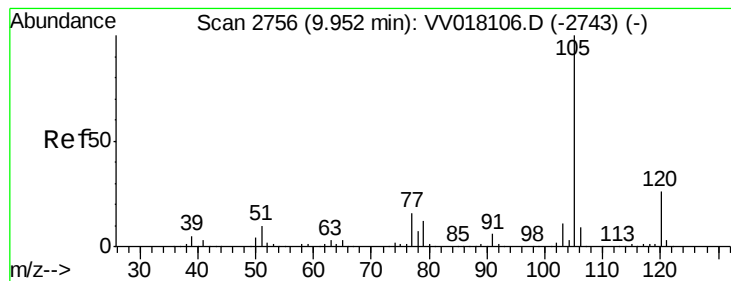
78 46.5 32.2 59.8



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.138 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

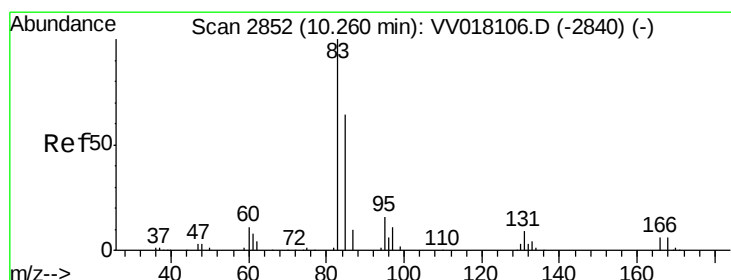
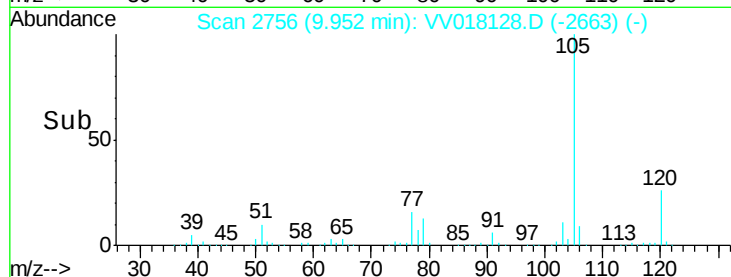
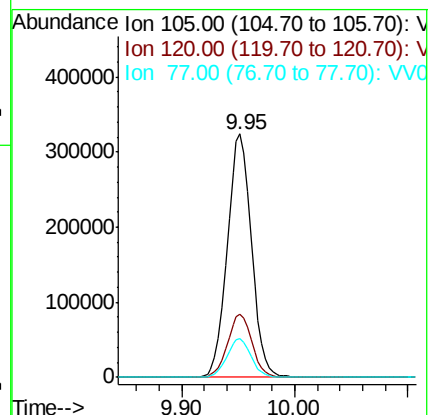
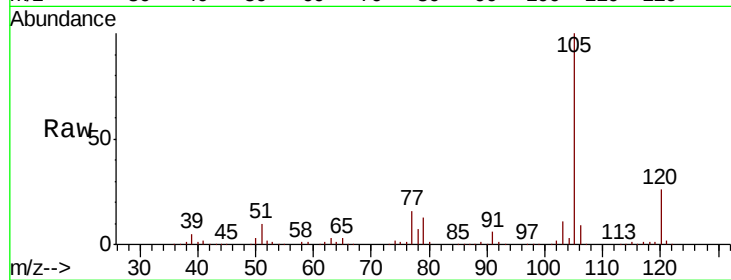
Tot Ion:105 Resp: 481382

Ion Ratio Lower Upper

105 100

120 26.1 20.6 31.0

77 15.9 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 47.287 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

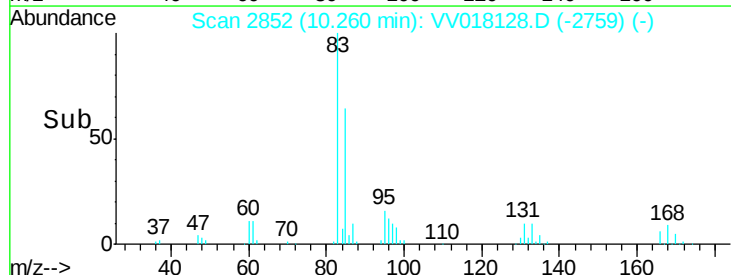
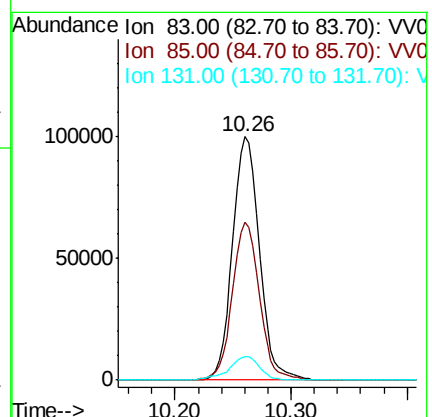
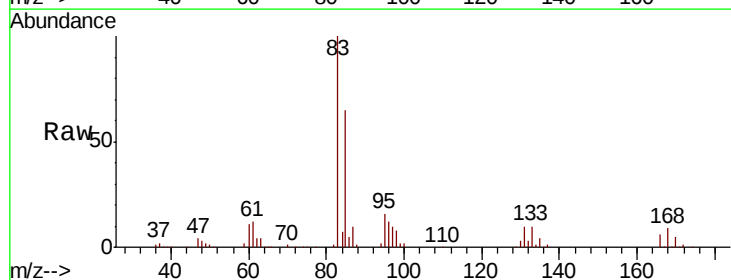
Tgt Ion: 83 Resp: 160463

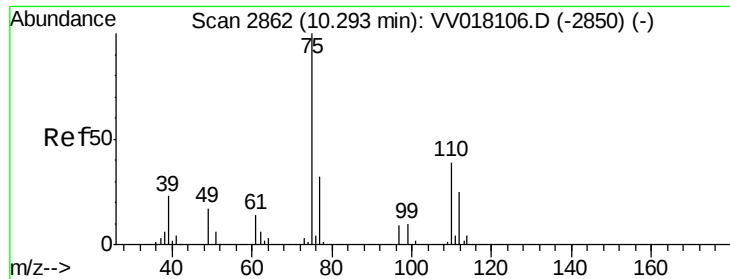
Ion Ratio Lower Upper

83 100

85 64.6 45.1 83.7

131 9.8 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 46.371 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

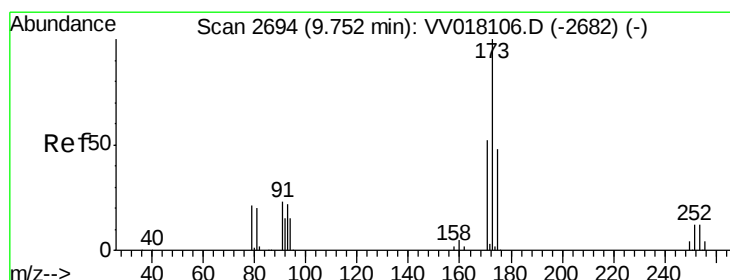
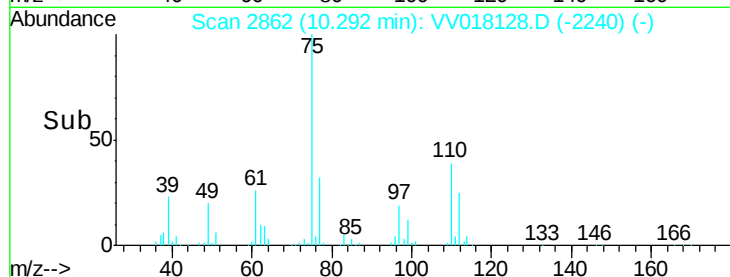
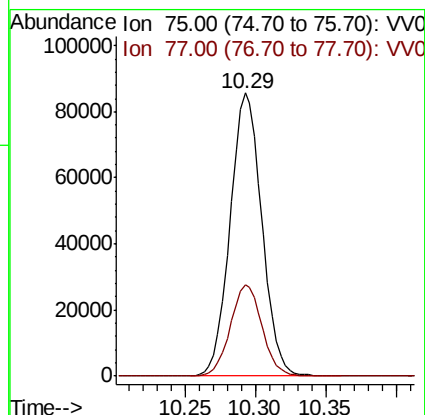
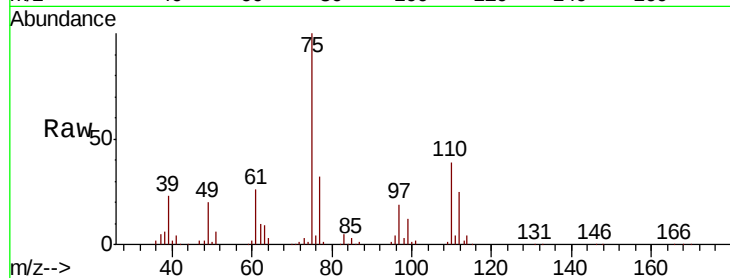
VSTD05089

Tot Ion: 75 Resp: 134758

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 57.783 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

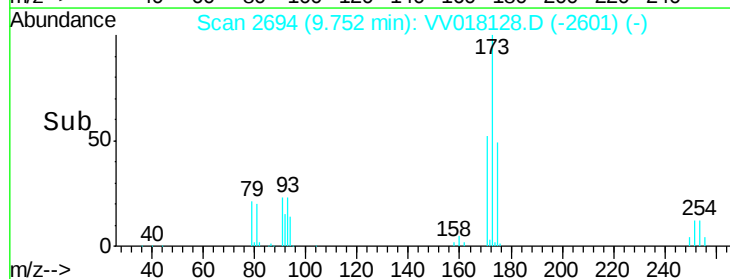
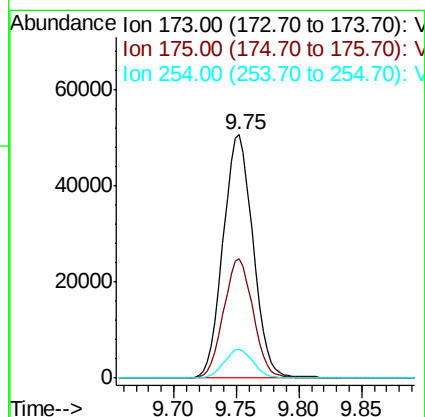
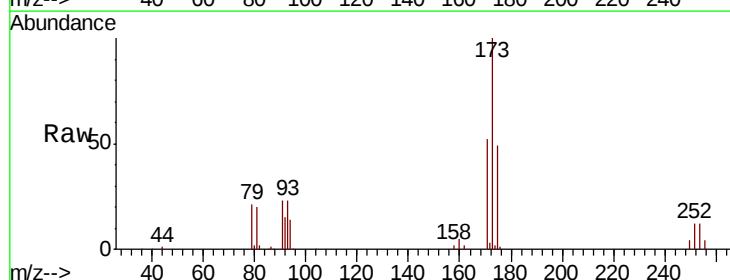
Tgt Ion: 173 Resp: 84154

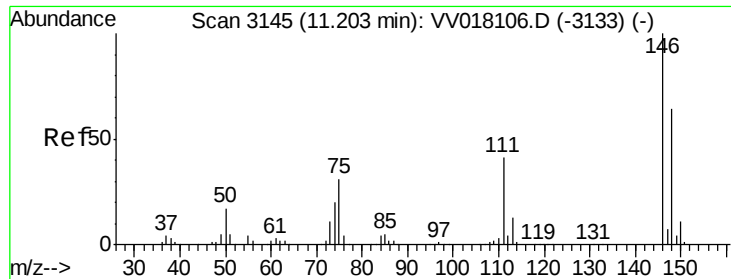
Ion Ratio Lower Upper

173 100

175 48.2 38.6 57.8

254 11.5 8.4 12.6

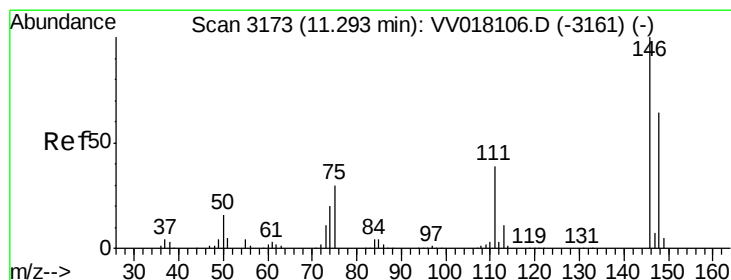
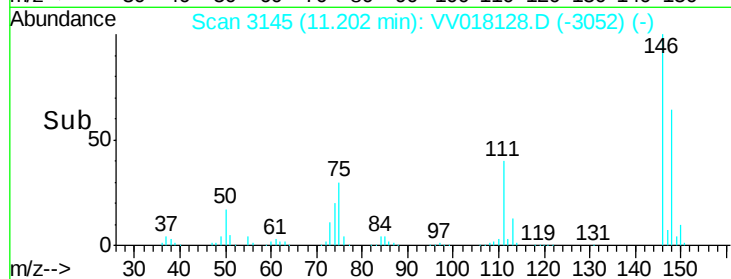
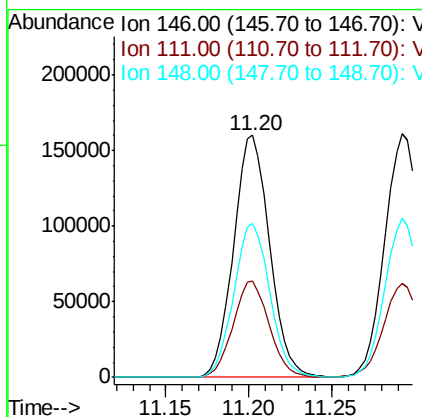
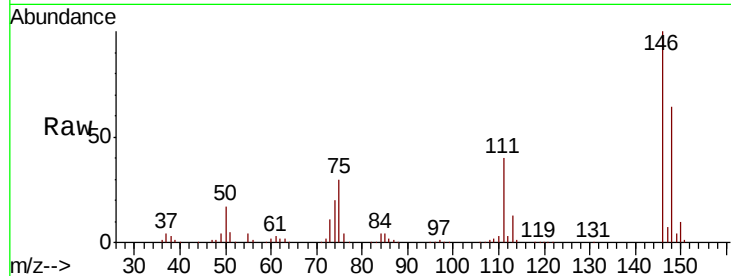




#62
 1,3-Dichlorobenzene
 Concen: 49.415 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

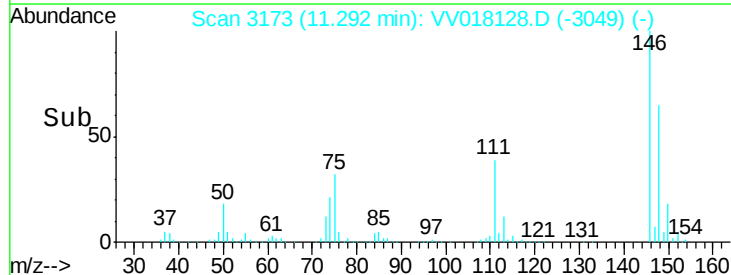
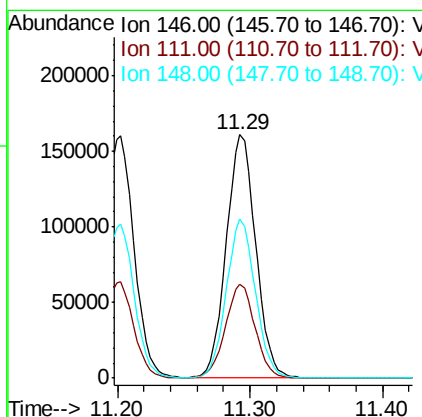
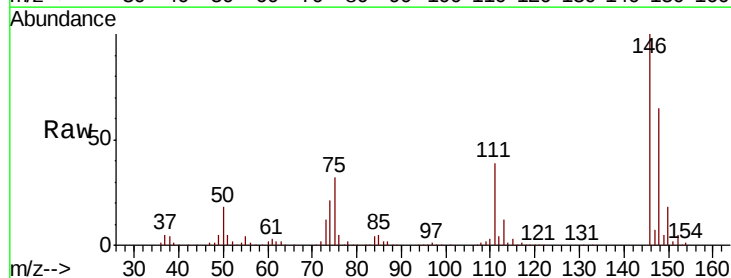
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

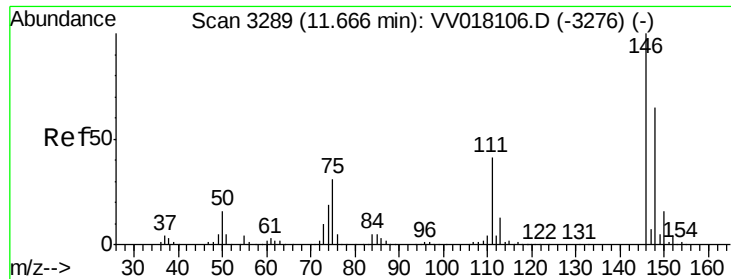
Tot Ion:146 Resp: 241861
 Ion Ratio Lower Upper
 146 100
 111 39.6 28.8 53.4
 148 63.6 44.9 83.5



#63
 1,4-Dichlorobenzene
 Concen: 49.403 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Tgt Ion:146 Resp: 248401
 Ion Ratio Lower Upper
 146 100
 111 38.6 28.0 52.0
 148 65.2 44.2 82.2





#65

1,2-Dichlorobenzene

Concen: 48.443 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

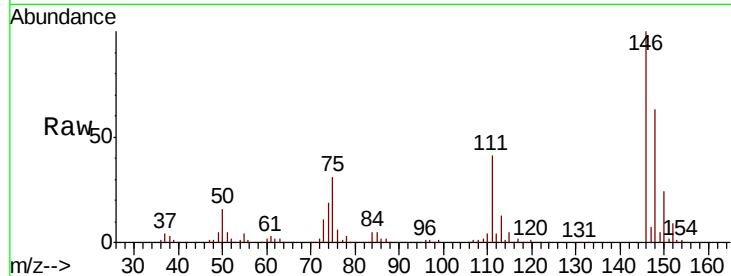
Tot Ion:146 Resp: 244045

Ion Ratio Lower Upper

146 100

111 40.9 34.2 51.4

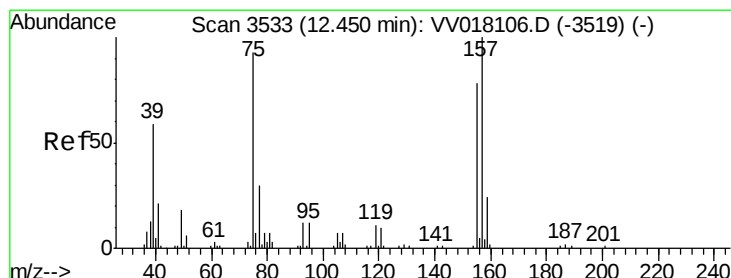
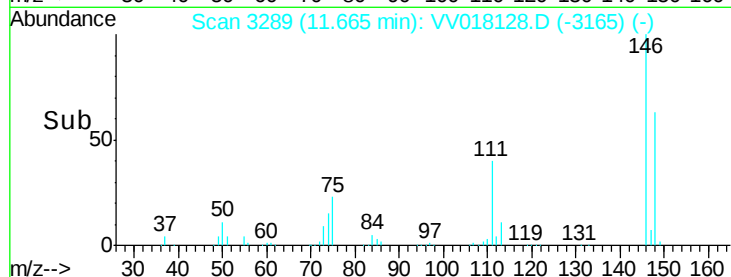
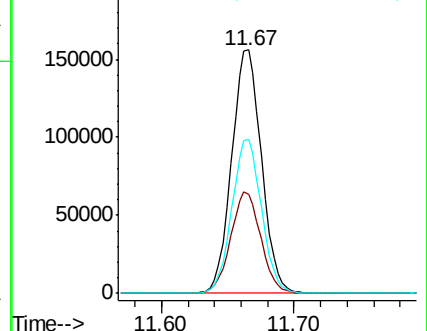
148 63.3 50.6 76.0



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: 45.444 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

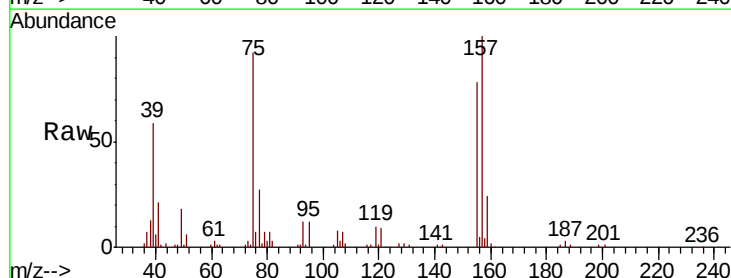
Tgt Ion: 75 Resp: 33731

Ion Ratio Lower Upper

75 100

155 85.2 67.6 101.4

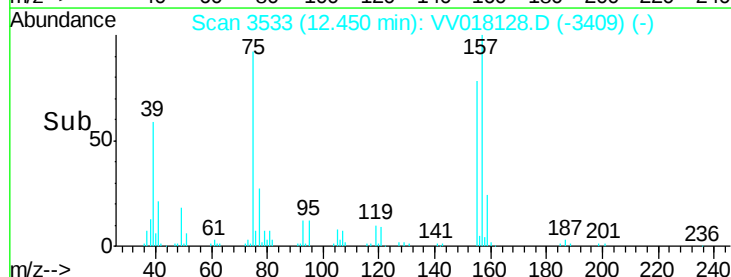
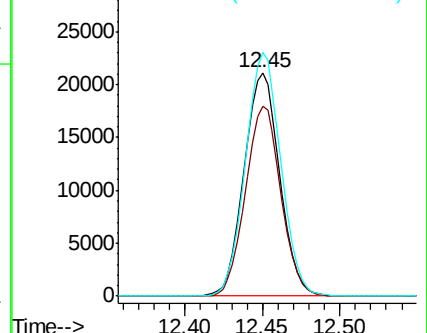
157 109.1 84.3 126.5

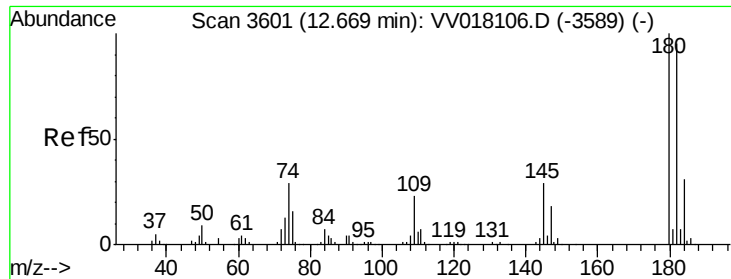


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

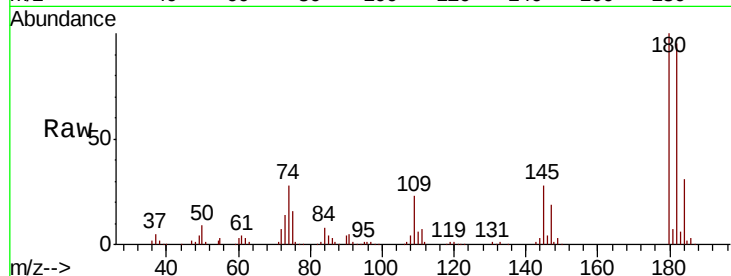




#67
 1,3,5-Trichlorobenzene
 Concen: 51.831 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05089

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.4	77.2	115.8
184	30.5	24.6	36.8
145	28.2	23.5	35.3



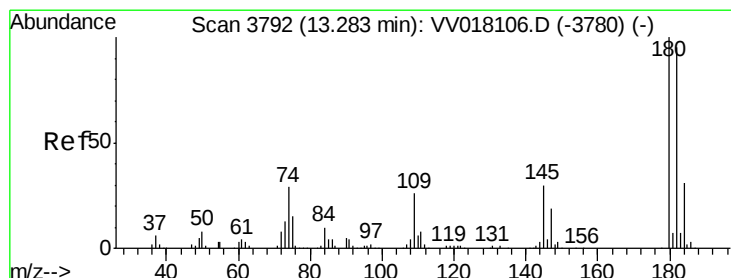
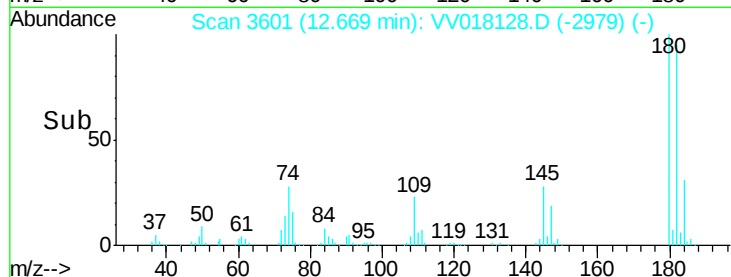
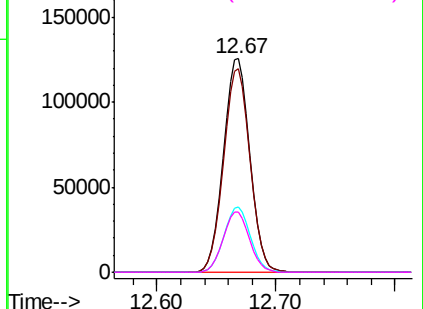
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

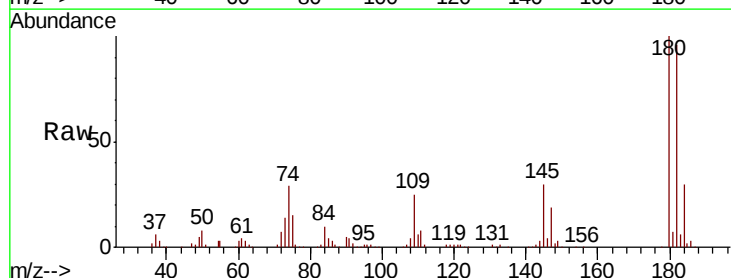
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 53.525 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018128.D
 Acq: 28 Aug 2020 10:18

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.4	114.6
145	29.6	24.0	36.0

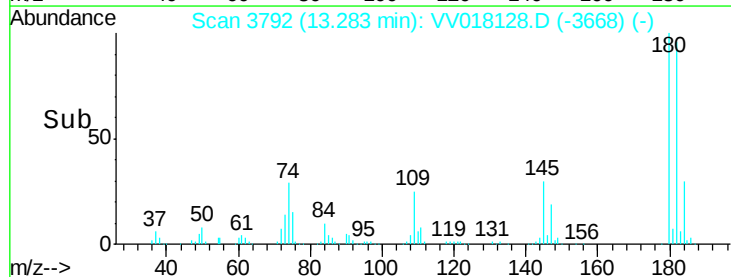
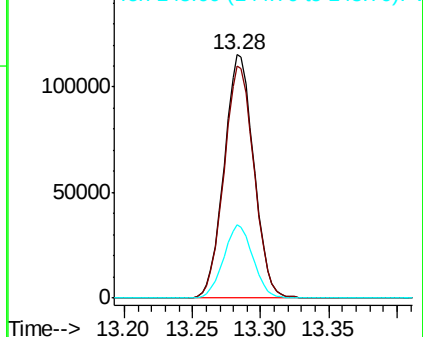


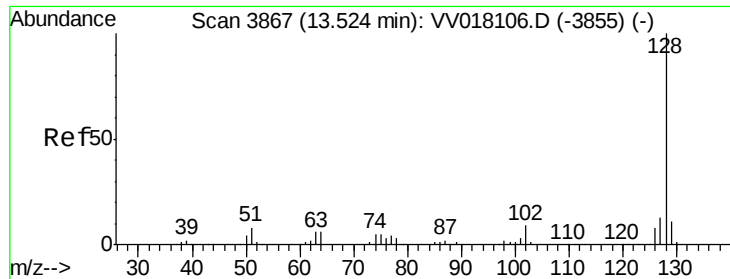
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 50.016 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

Instrument :

MSVOA_V

ClientSampleId :

VSTD05089

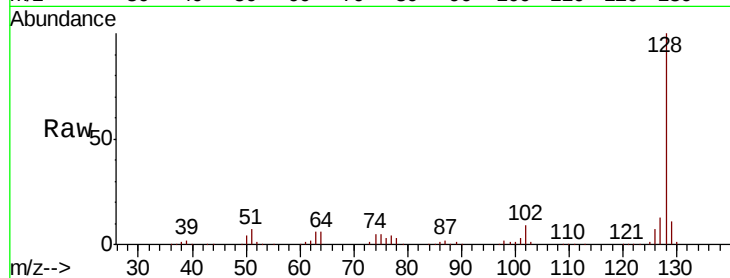
Tot Ion:128 Resp: 450645

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

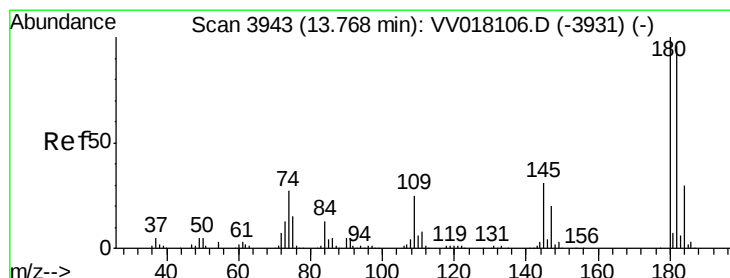
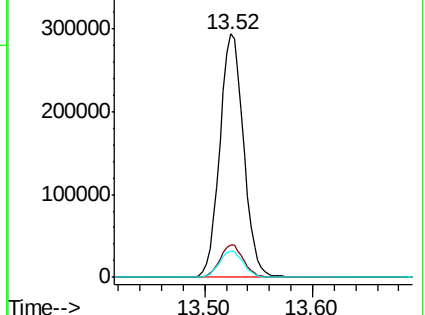
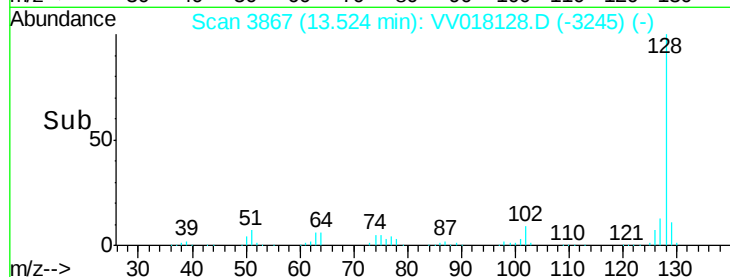
129 10.7 8.7 13.1



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: 53.020 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. -0.00 min

Lab File: VV018128.D

Acq: 28 Aug 2020 10:18

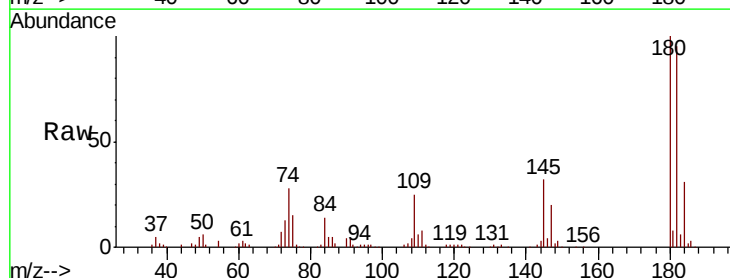
Tgt Ion:180 Resp: 176258

Ion Ratio Lower Upper

180 100

182 94.6 76.5 114.7

145 31.3 26.0 39.0



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

