

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
 Data File : VV018169.D
 Acq On : 09 Sep 2020 16:14
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Quant Time: Sep 10 03:39:02 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 03:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	306834	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	300341	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	167019	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	118900	47.55	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	95.10%
7) Chloroethane-d5	1.58	69	100136	48.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	97.88%
11) 1,1-Dichloroethene-d2	2.12	63	225382	49.14	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.28%
21) 2-Butanone-d5	3.91	46	153853	100.52	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	100.52%
24) Chloroform-d	4.37	84	217691	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.36%
26) 1,2-Dichloroethane-d4	5.05	65	140410	50.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.98%
32) Benzene-d6	5.07	84	429073	49.90	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.80%
36) 1,2-Dichloropropane-d6	6.09	67	137076	50.18	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	100.36%
41) Toluene-d8	7.33	98	398843	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.64	79	70388	50.70	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	101.40%
47) 2-Hexanone-d5	8.11	63	109301	105.62	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	105.62%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	175588	51.21	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.42%
64) 1,2-Dichlorobenzene-d4	11.65	152	170350	49.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.32%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	116515	52.076	ug/L 98
3) Chloromethane	1.25	50	126439	51.753	ug/L 98
5) Vinyl chloride	1.32	62	129388	51.646	ug/L 100
6) Bromomethane	1.53	94	79997	52.242	ug/L 100
8) Chloroethane	1.60	64	82339	52.465	ug/L 100
9) Trichlorofluoromethane	1.77	101	179626	52.111	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	110871	53.547	ug/L 99
12) 1,1-Dichloroethene	2.13	96	105741	52.486	ug/L 94
13) Acetone	2.19	43	160468	130.931	ug/L 98
14) Carbon disulfide	2.31	76	317030	51.426	ug/L 100
15) Methyl Acetate	2.45	43	111719	50.723	ug/L 99
16) Methylene chloride	2.52	84	119760	53.004	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	106612	51.348	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	342552	53.335	ug/L 99
19) 1,1-Dichloroethane	3.21	63	204999	52.221	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	118407	53.349	ug/L 99
22) 2-Butanone	3.99	43	178146	122.751	ug/L 98

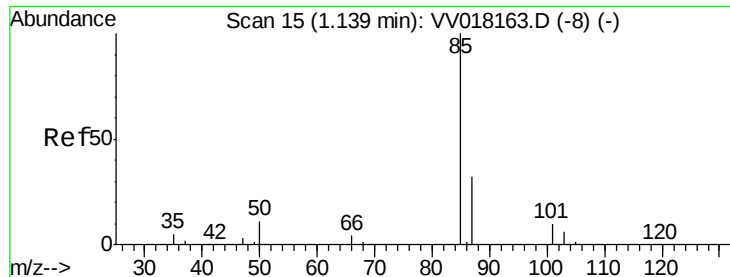
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090920\
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 Quant Title : VOC Analysis
 QLast Update : Thu Sep 10 03:30:11 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	61503	52.963	ug/L	97
25) Chloroform	4.40	83	211042	52.888	ug/L	99
27) 1,2-Dichloroethane	5.15	62	162793	52.698	ug/L	99
29) Cyclohexane	4.70	56	187051	53.934	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	181461	52.061	ug/L	100
31) Carbon tetrachloride	4.85	117	157819	51.493	ug/L	98
33) Benzene	5.12	78	458030	53.339	ug/L	100
34) Trichloroethene	5.94	95	121595	51.981	ug/L	99
35) Methylcyclohexane	6.15	83	189926	53.925	ug/L	99
37) 1,2-Dichloropropane	6.20	63	121038	53.192	ug/L	100
38) Bromodichloromethane	6.53	83	153953	51.991	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	186291	53.135	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	296847	107.533	ug/L	100
42) Toluene	7.41	91	488046	53.705	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	186910	54.754	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	111733	52.977	ug/L	99
46) Tetrachloroethene	7.99	164	98337	53.615	ug/L	99
48) 2-Hexanone	8.15	43	247975	113.941	ug/L	99
49) Dibromochloromethane	8.26	129	126523	53.444	ug/L	99
50) 1,2-Dibromoethane	8.37	107	118836	53.537	ug/L	100
51) Chlorobenzene	8.90	112	315513	53.461	ug/L	100
52) Ethylbenzene	9.03	91	542070	54.637	ug/L	99
53) m,p-Xylene	9.16	106	206949	55.884	ug/L	96
54) o-xylene	9.56	106	196801	55.164	ug/L	100
55) Styrene	9.58	104	351503	56.686	ug/L	98
56) Isopropylbenzene	9.95	105	534056	55.544	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	166567	53.390	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	141239	52.773	ug/L	100
61) Bromoform	9.75	173	92050	51.302	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	263808	53.118	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	269626	52.818	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	262031	52.198	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.45	75	35767	50.491	ug/L	98
67) 1,3,5-Trichlorobenzene	12.67	180	211066	53.908	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	191921	55.046	ug/L	99
69) Naphthalene	13.52	128	495954	56.217	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	186296	54.250	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 52.076 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

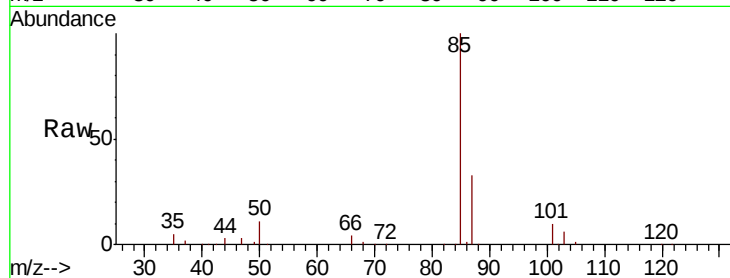
VSTD05095

Tot Ion: 85 Resp: 116515

Ion Ratio Lower Upper

85 100

87 33.2 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV018169.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018169.D (-1) (-)

1.14

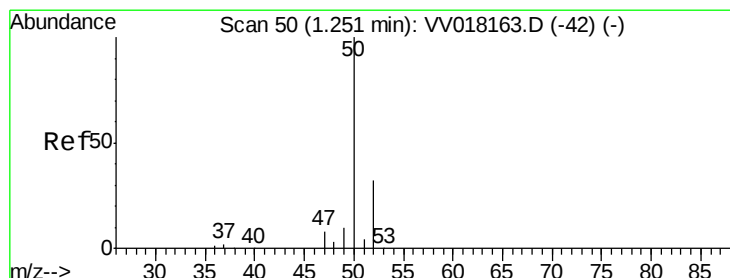
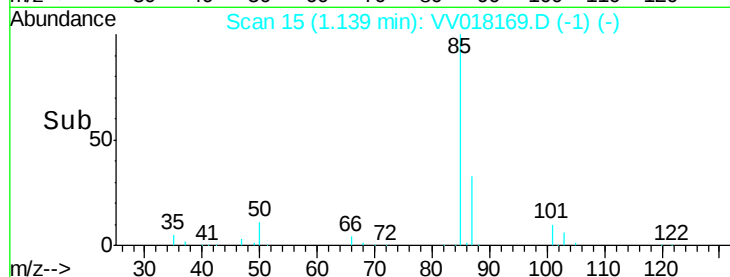
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 51.753 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV018169.D

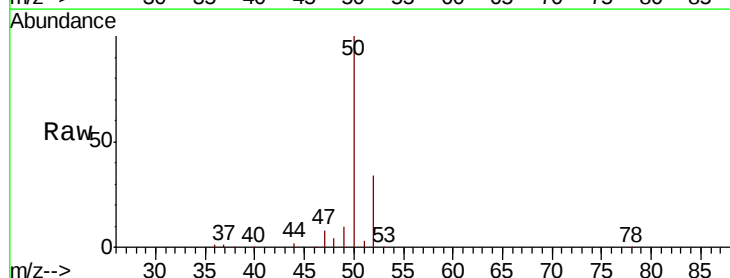
Acq: 09 Sep 2020 16:14

Tgt Ion: 50 Resp: 126439

Ion Ratio Lower Upper

50 100

52 33.6 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV018169.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018169.D (-1) (-)

1.25

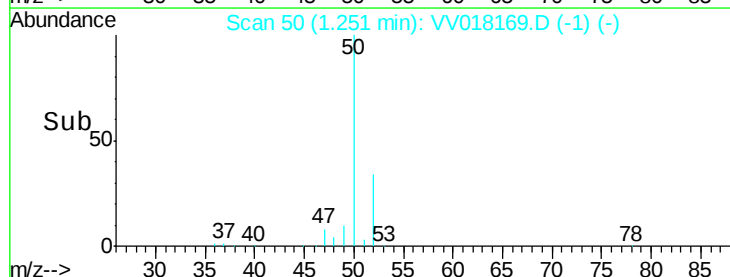
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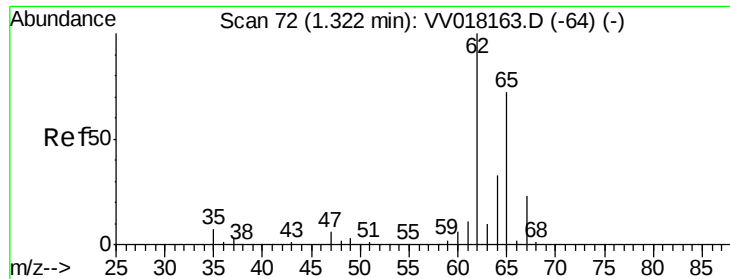
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50000

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Time-->





#5

Vinyl chloride

Concen: 51.646 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

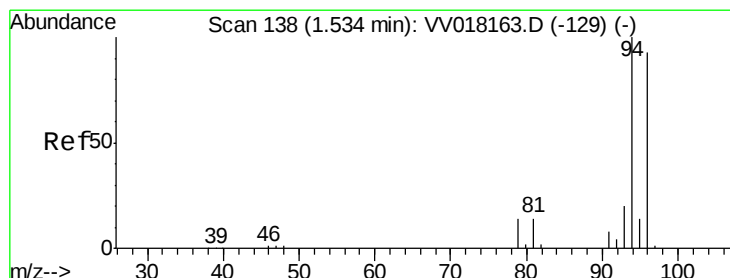
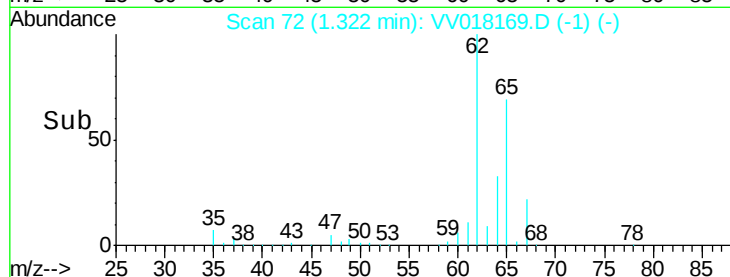
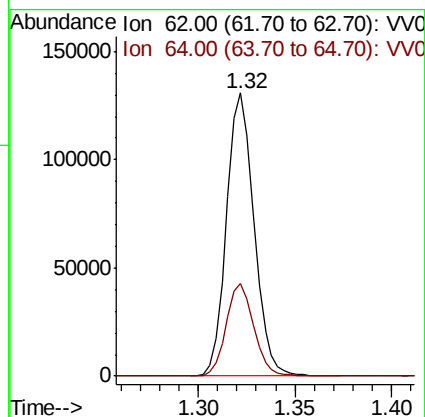
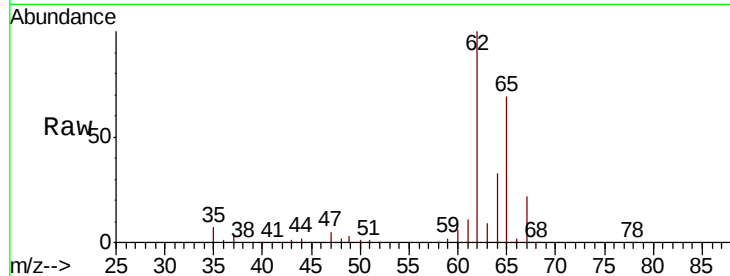
VSTD05095

Tot Ion: 62 Resp: 129388

Ion Ratio Lower Upper

62 100

64 32.7 23.1 42.9



#6

Bromomethane

Concen: 52.242 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018169.D

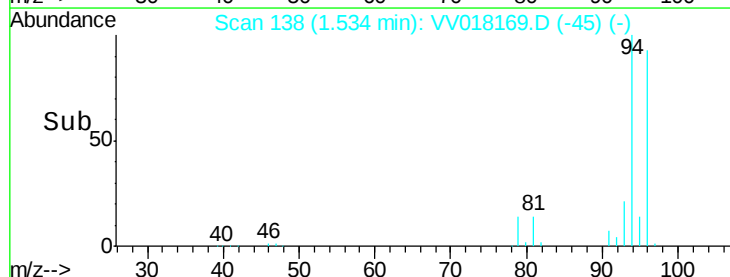
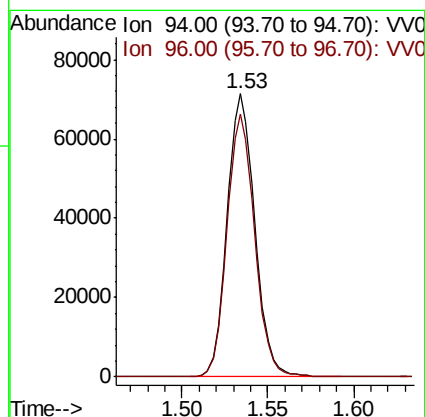
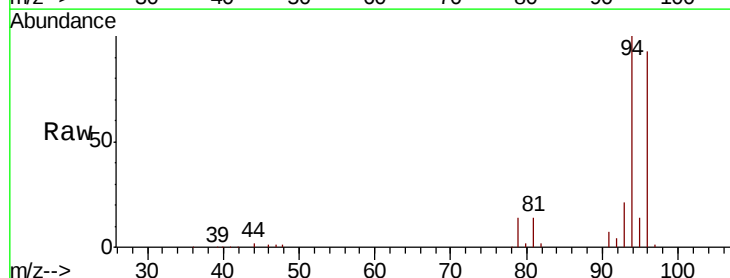
Acq: 09 Sep 2020 16:14

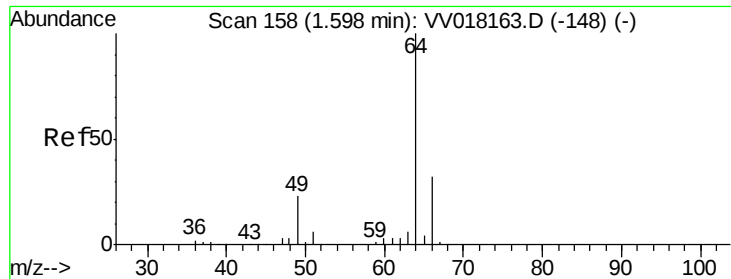
Tgt Ion: 94 Resp: 79997

Ion Ratio Lower Upper

94 100

96 93.0 65.1 120.9

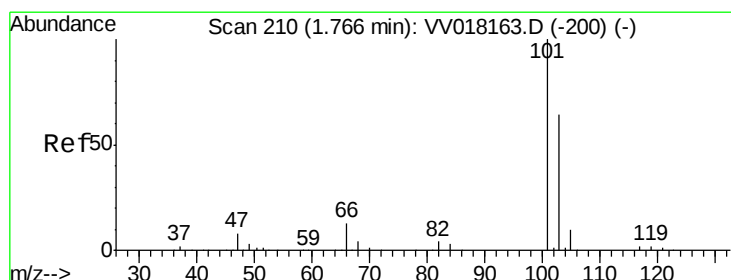
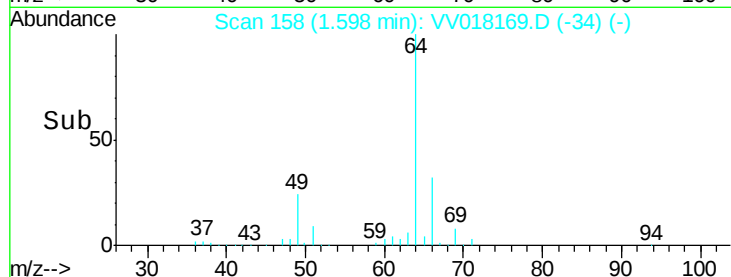
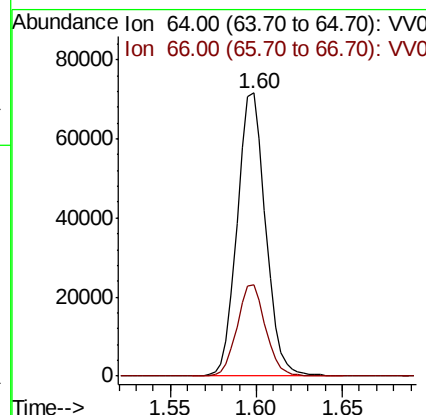
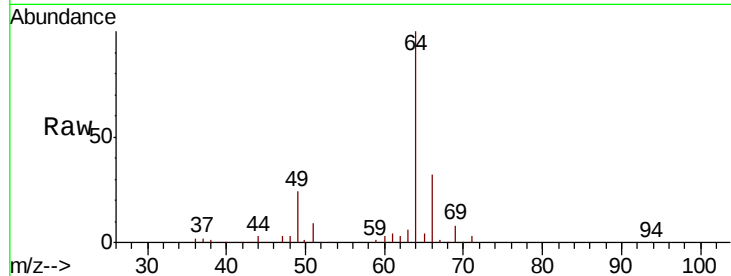




#8
Chloroethane
Concen: 52.465 ug/L
RT: 1.60 min Scan# 158
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

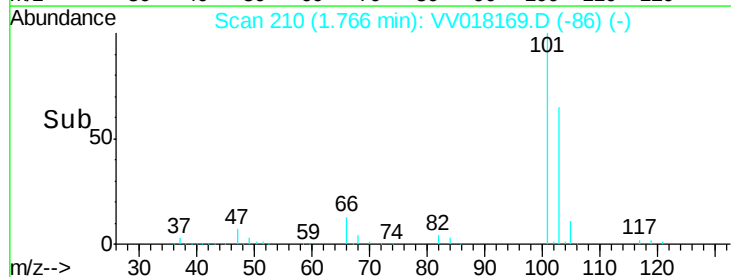
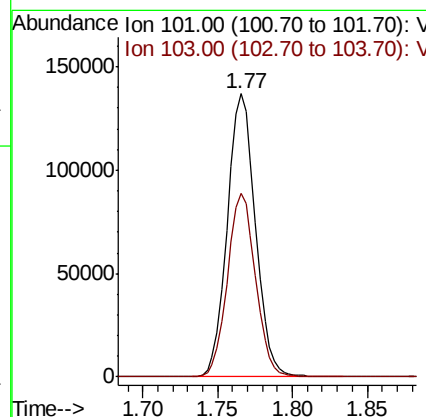
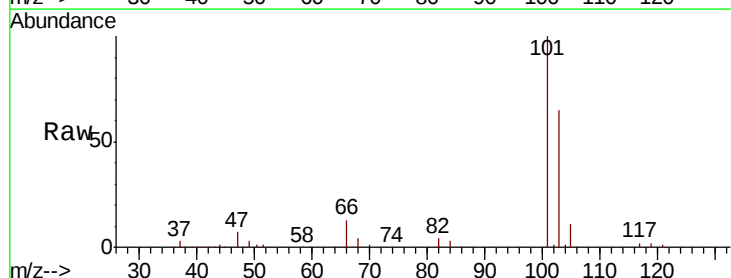
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

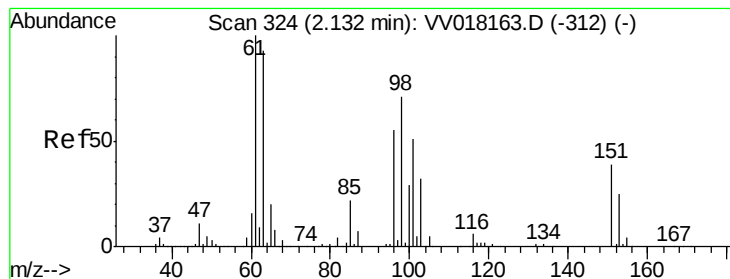
Tot Ion: 64 Resp: 82339
Ion Ratio Lower Upper
64 100
66 32.3 22.5 41.7



#9
Trichlorofluoromethane
Concen: 52.111 ug/L
RT: 1.77 min Scan# 210
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Tgt Ion:101 Resp: 179626
Ion Ratio Lower Upper
101 100
103 64.7 51.8 77.6





#10

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

Concen: 53.547 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

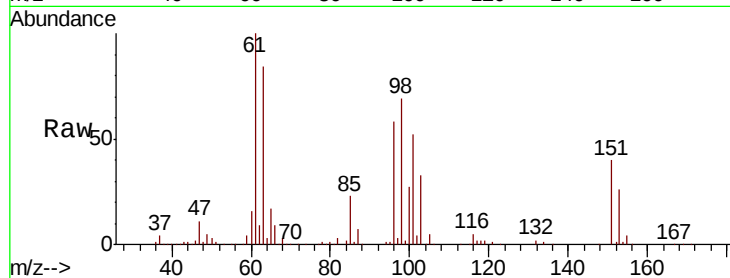
Tot Ion:101 Resp: 110871

Ion Ratio Lower Upper

101 100

85 42.2 33.5 50.3

151 76.9 62.2 93.2

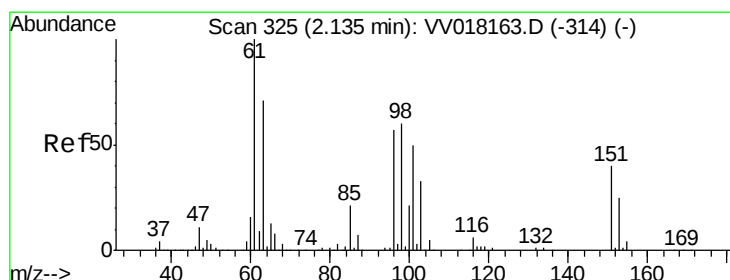
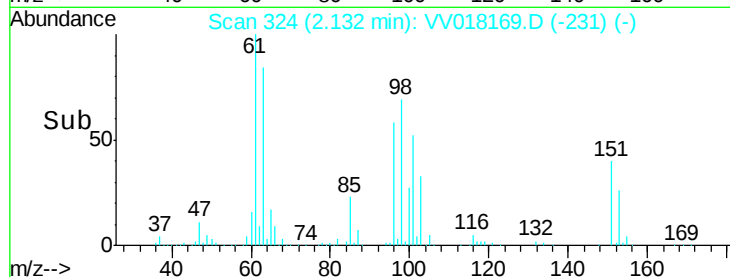


Abundance Ion 101.00 (100.70 to 101.70): VV018169.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018169.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018169.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 52.486 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

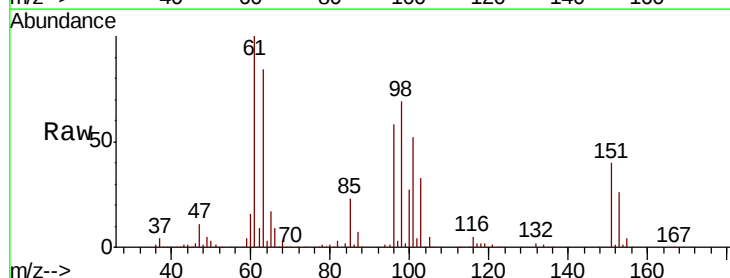
Tgt Ion: 96 Resp: 105741

Ion Ratio Lower Upper

96 100

61 171.5 122.9 228.3

63 144.2 91.9 170.7

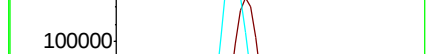
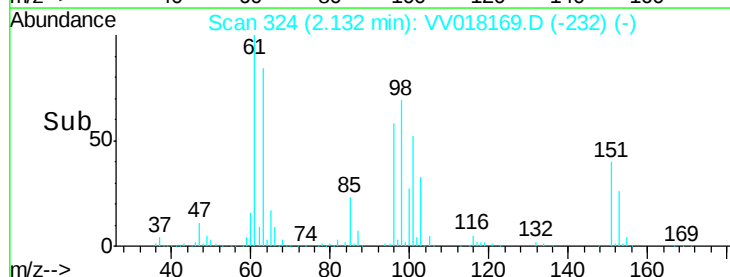


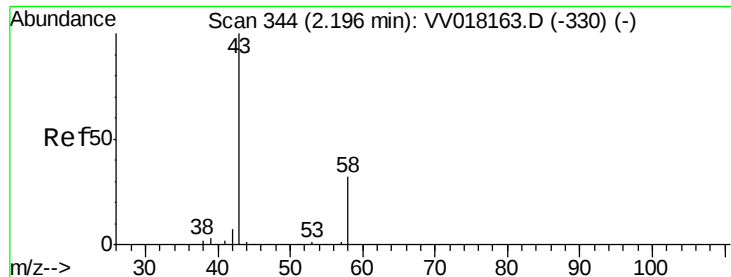
Abundance Ion 96.00 (95.70 to 96.70): VV018169.D (-232) (-)

Ion 61.00 (60.70 to 61.70): VV018169.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV018169.D (-232) (-)

Time-->





#13

Acetone

Concen: 130.931 ug/L

RT: 2.19 min Scan# 343

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

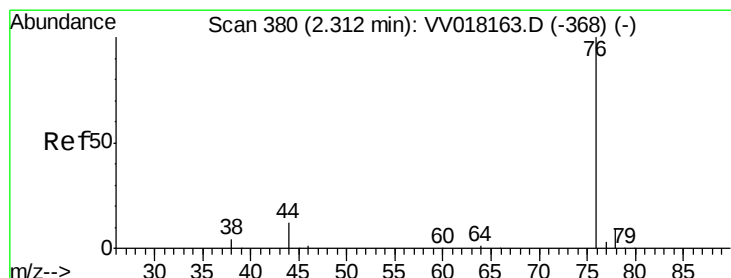
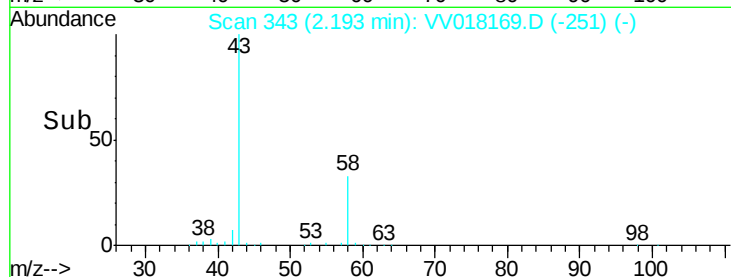
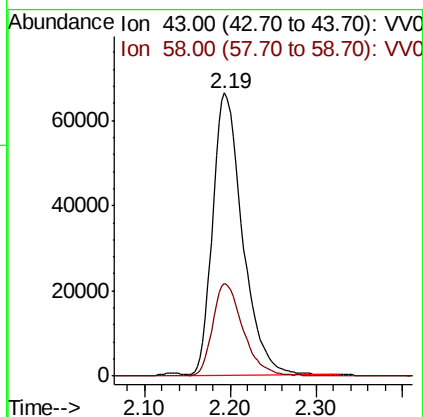
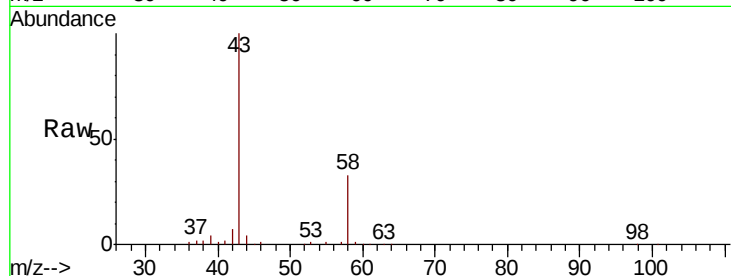
VSTD05095

Tot Ion: 43 Resp: 160468

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.4



#14

Carbon disulfide

Concen: 51.426 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.00 min

Lab File: VV018169.D

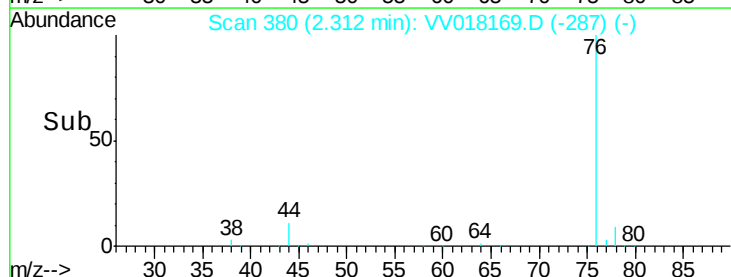
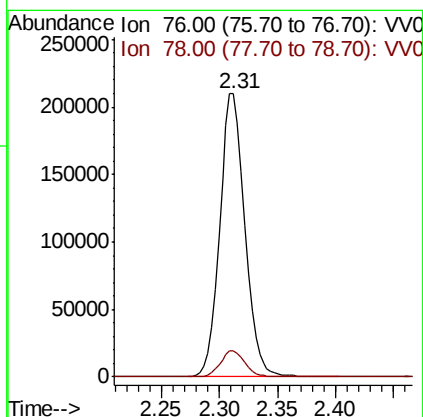
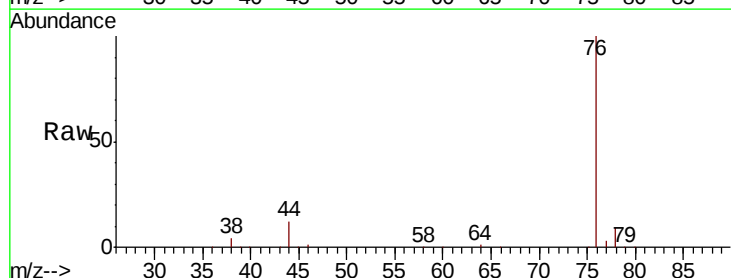
Acq: 09 Sep 2020 16:14

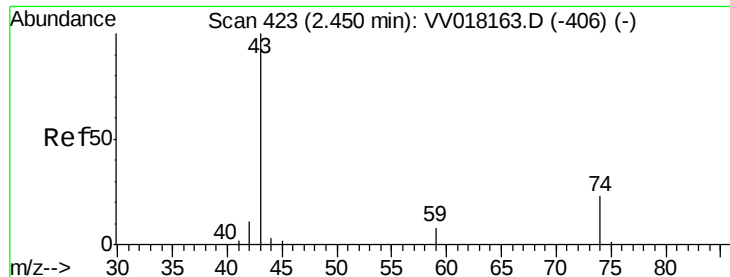
Tgt Ion: 76 Resp: 317030

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9

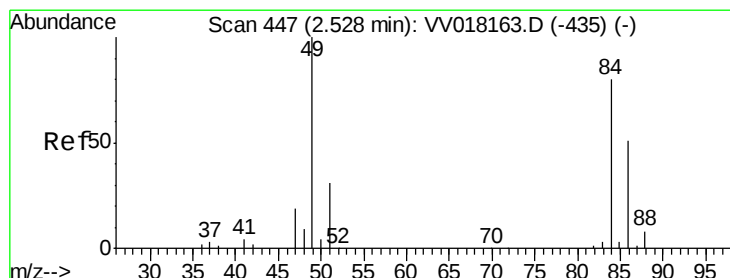
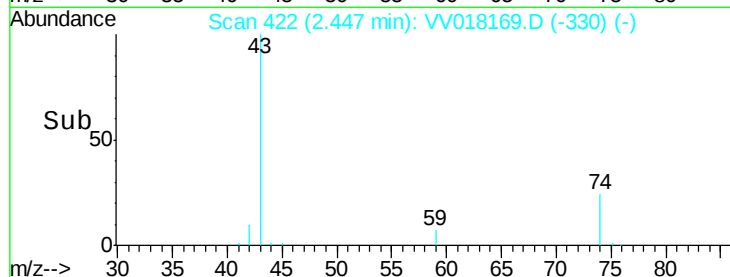
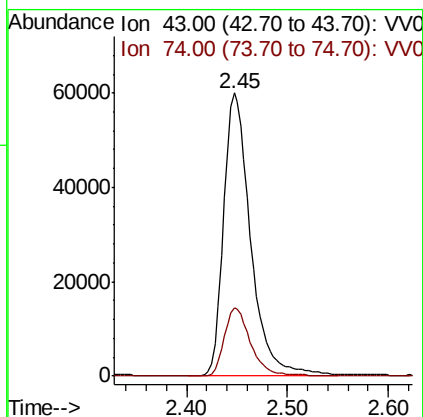
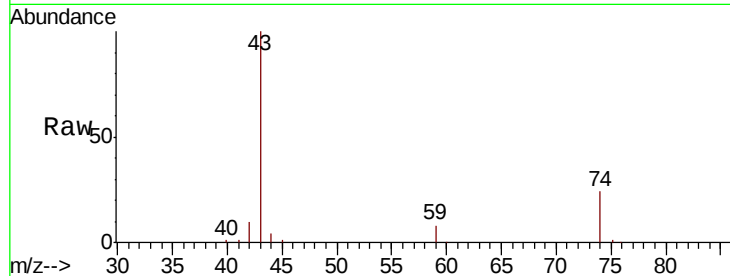




#15
Methvl Acetate
Concen: 50.723 ug/L
RT: 2.45 min Scan# 422
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

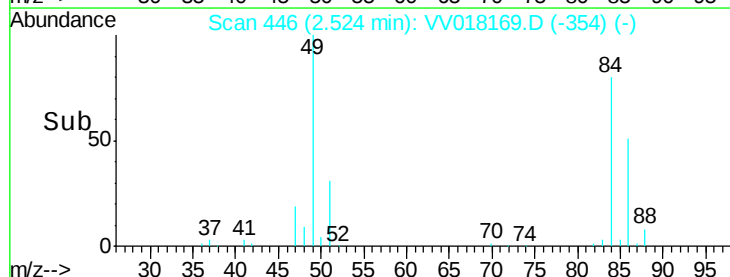
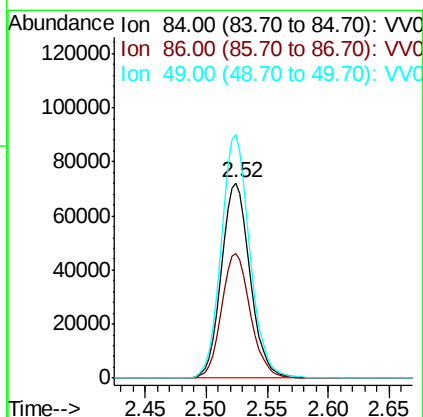
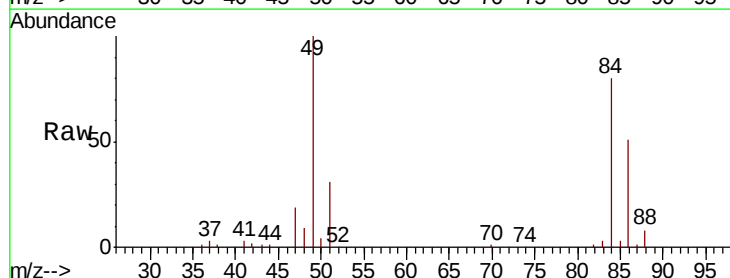
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

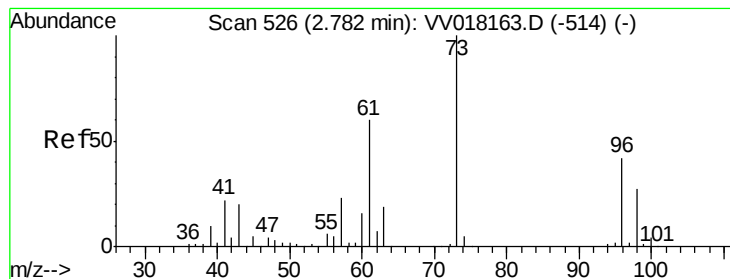
Tot Ion: 43 Resp: 111719
Ion Ratio Lower Upper
43 100
74 23.5 18.4 27.6



#16
Methylene chloride
Concen: 53.004 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Tgt Ion: 84 Resp: 119760
Ion Ratio Lower Upper
84 100
86 63.9 44.4 82.4
49 124.6 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 51.348 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

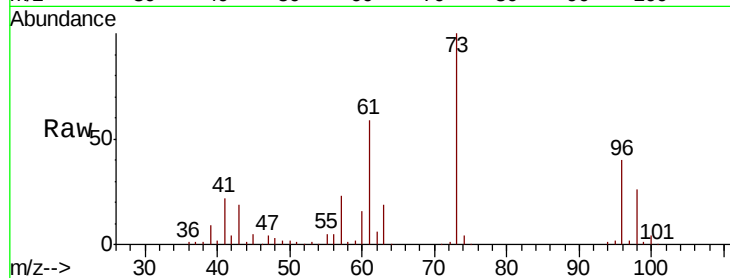
Tot Ion: 96 Resp: 106612

Ion Ratio Lower Upper

96 100

61 146.8 100.7 186.9

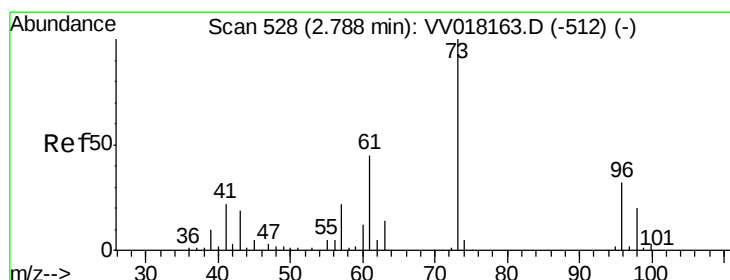
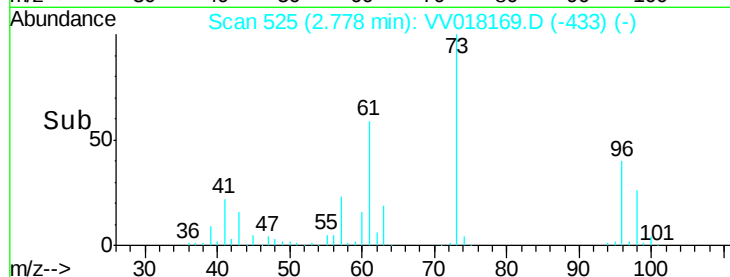
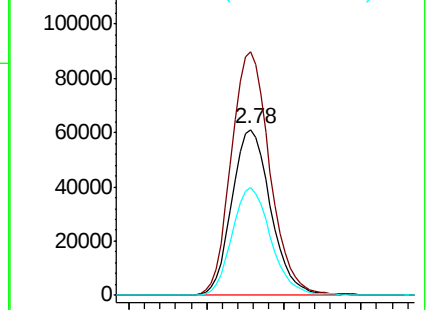
98 64.7 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV018169.D (-433) (-)

Ion 61.00 (60.70 to 61.70): VV018169.D (-433) (-)

Ion 98.00 (97.70 to 98.70): VV018169.D (-433) (-)



#18

Methyl tert-butyl Ether

Concen: 53.335 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

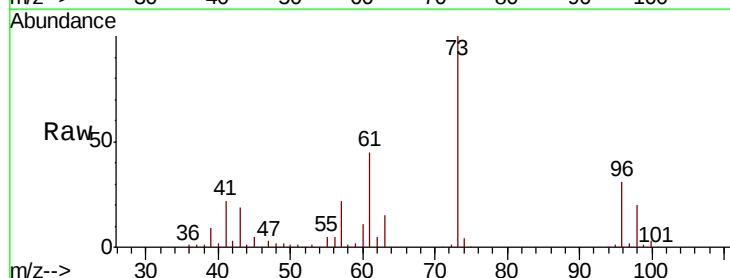
Tgt Ion: 73 Resp: 342552

Ion Ratio Lower Upper

73 100

43 18.8 15.4 23.0

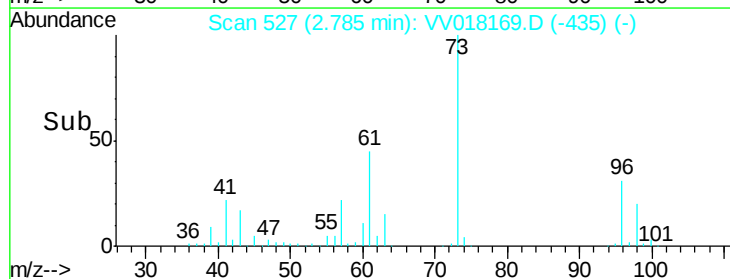
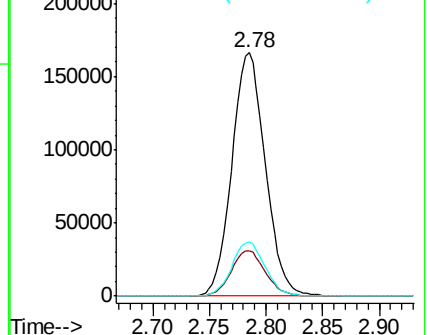
57 22.3 18.0 27.0

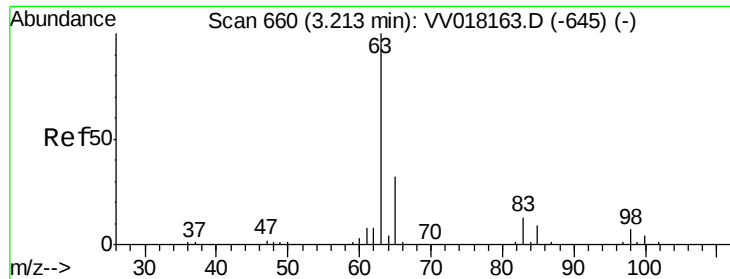


Abundance Ion 73.00 (72.70 to 73.70): VV018169.D (-435) (-)

Ion 43.00 (42.70 to 43.70): VV018169.D (-435) (-)

Ion 57.00 (56.70 to 57.70): VV018169.D (-435) (-)

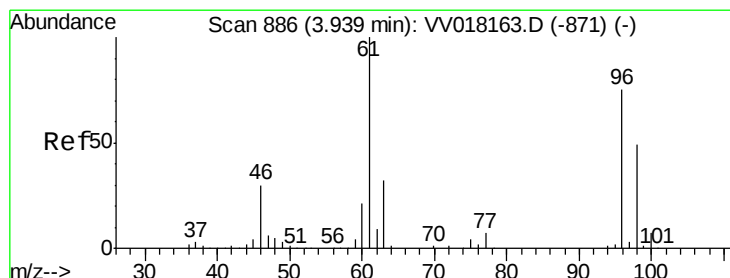
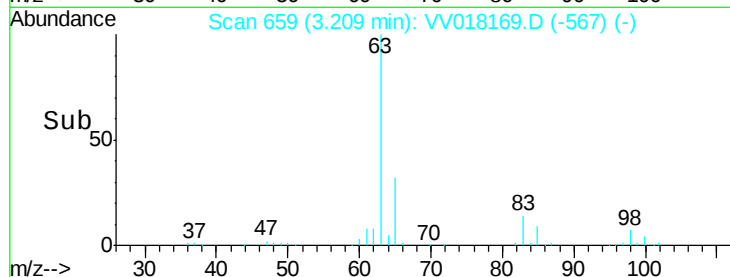
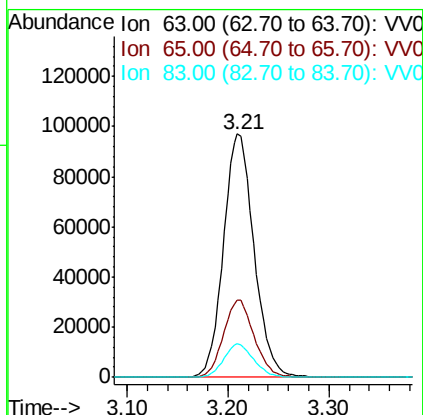
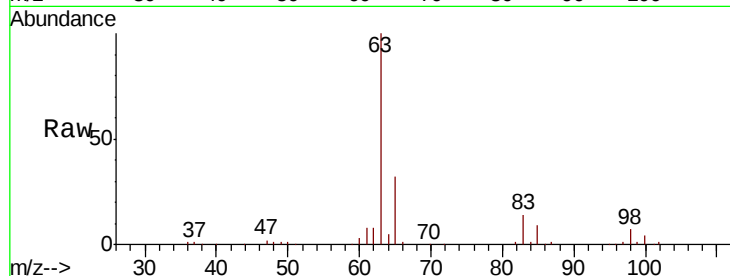




#19
 1,1-Dichloroethane
 Concen: 52.221 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

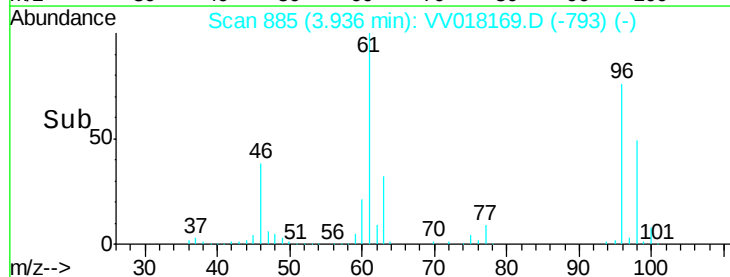
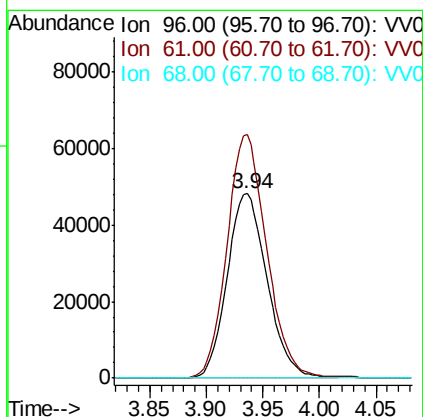
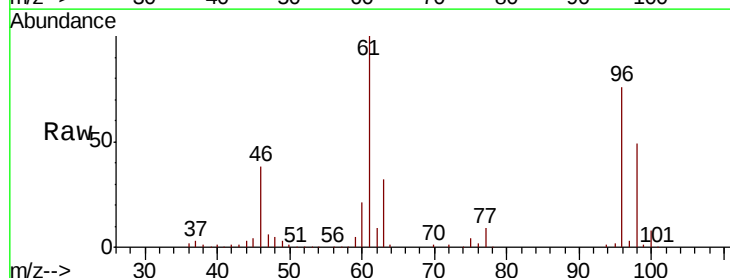
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

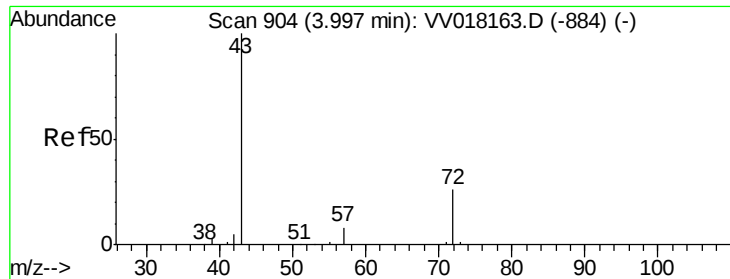
Tot Ion: 63 Resp: 204999
 Ion Ratio Lower Upper
 63 100
 65 31.9 22.5 41.7
 83 13.8 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 53.349 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

Tgt Ion: 96 Resp: 118407
 Ion Ratio Lower Upper
 96 100
 61 132.2 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 122.751 ug/L

RT: 3.99 min Scan# 902

Delta R.T. -0.01 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

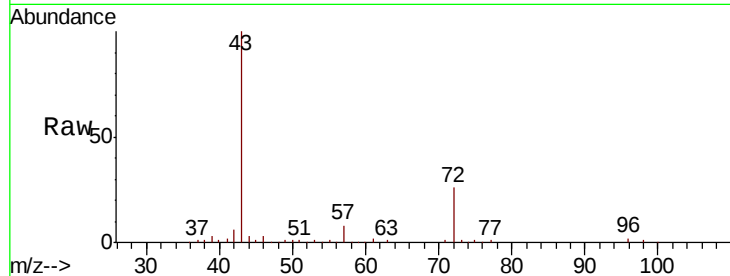
VSTD05095

Tot Ion: 43 Resp: 178146

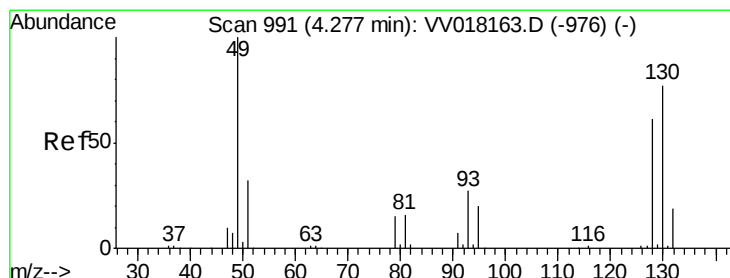
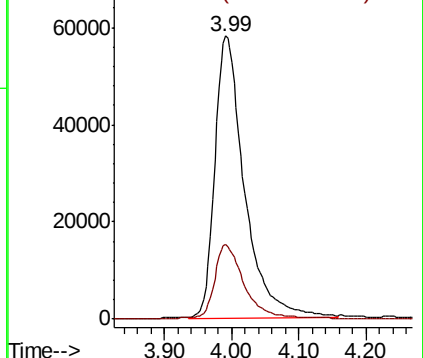
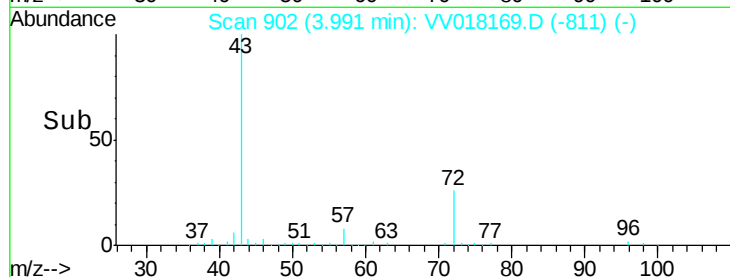
Ion Ratio Lower Upper

43 100

72 25.3 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018169.D (-811) (-)



#23

Bromochloromethane

Concen: 52.963 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Tgt Ion: 128 Resp: 61503

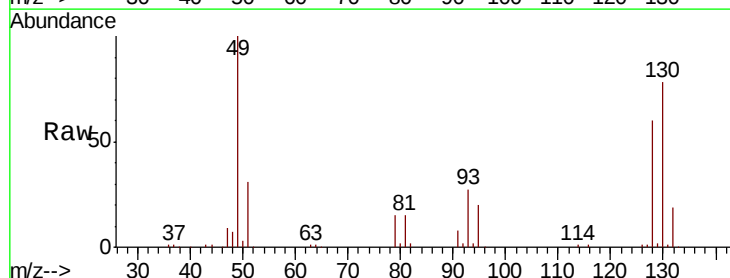
Ion Ratio Lower Upper

128 100

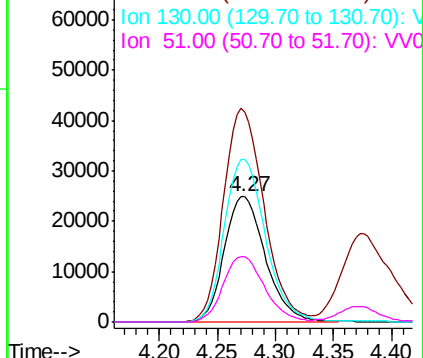
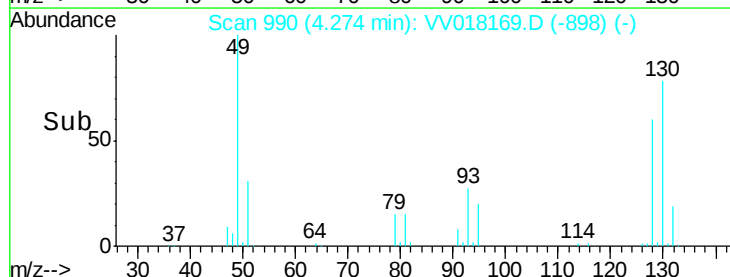
49 168.1 114.4 212.6

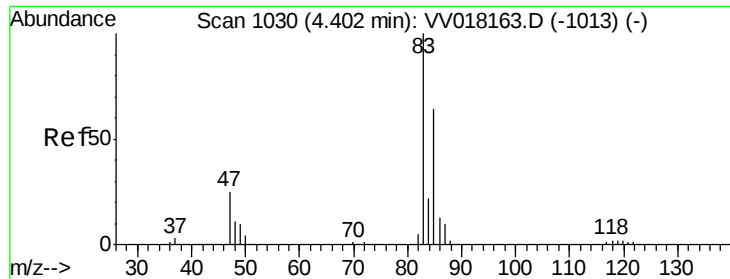
130 130.2 87.9 163.3

51 52.2 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018169.D (-898) (-)

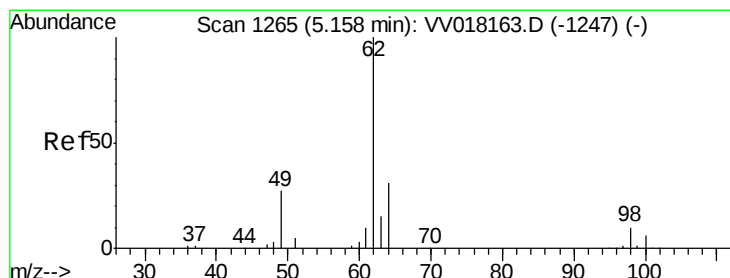
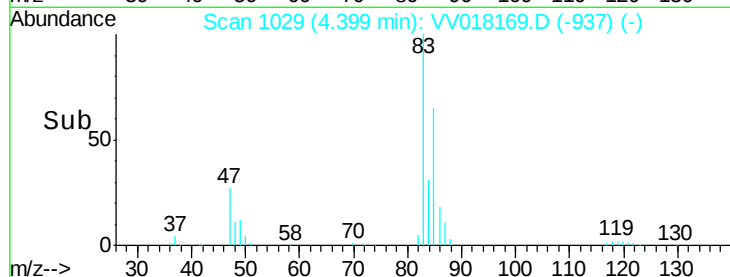
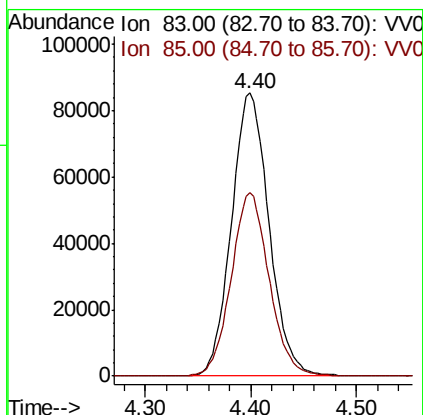
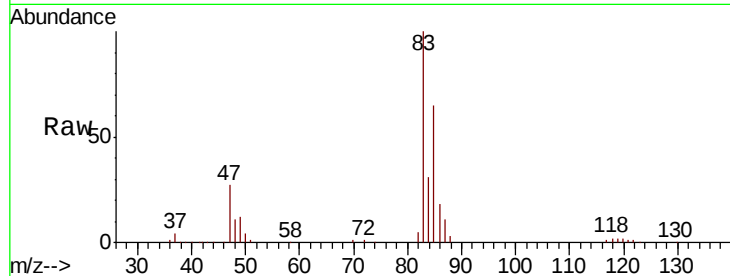




#25
Chloroform
Concen: 52.888 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

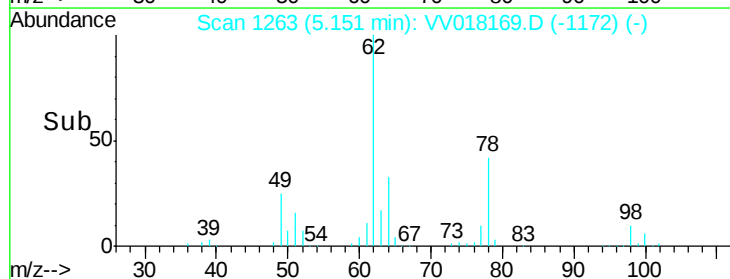
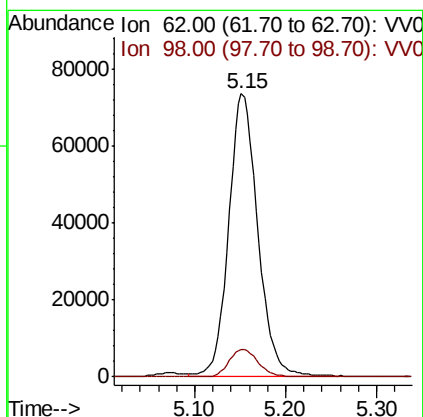
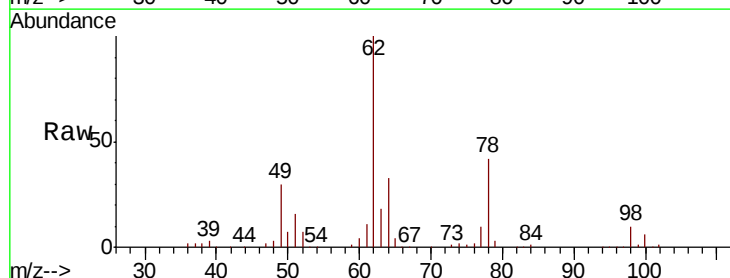
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

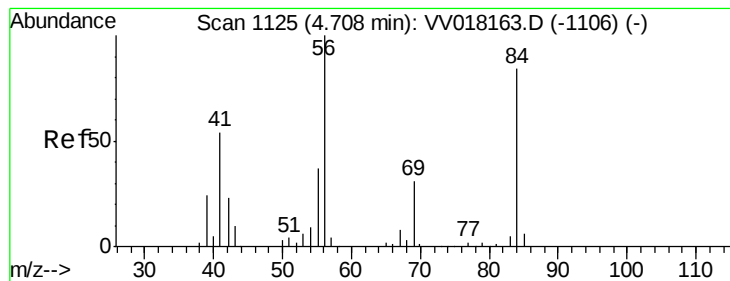
Tot Ion: 83 Resp: 211042
Ion Ratio Lower Upper
83 100
85 64.8 45.0 83.6



#27
1,2-Dichloroethane
Concen: 52.698 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. -0.01 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Tgt Ion: 62 Resp: 162793
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4





#29

Cvclohexane

Concen: 53.934 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.01 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

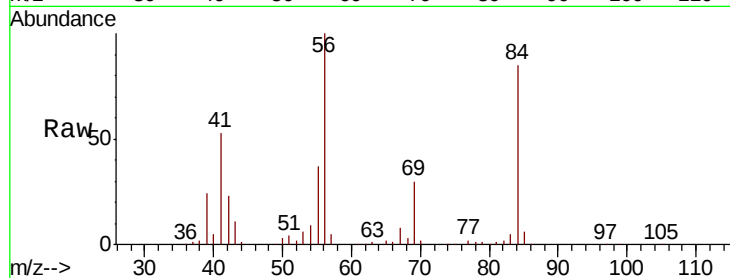
Tot Ion: 56 Resp: 187051

Ion Ratio Lower Upper

56 100

69 30.2 24.2 36.2

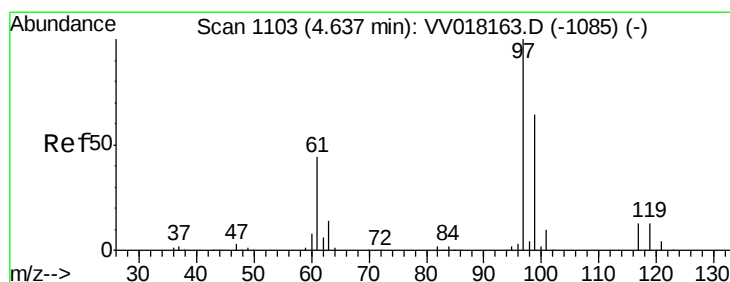
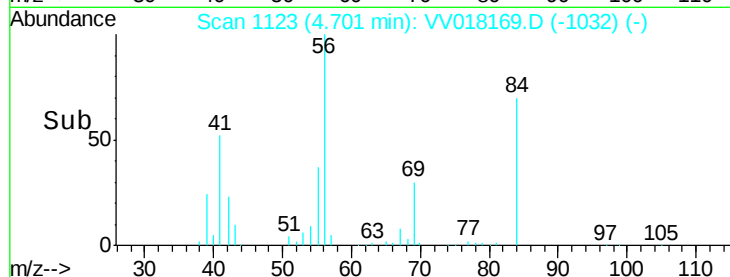
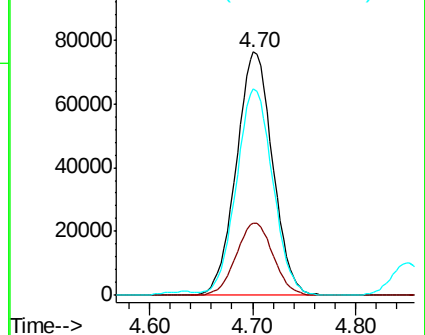
84 85.1 68.3 102.5



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: 52.061 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

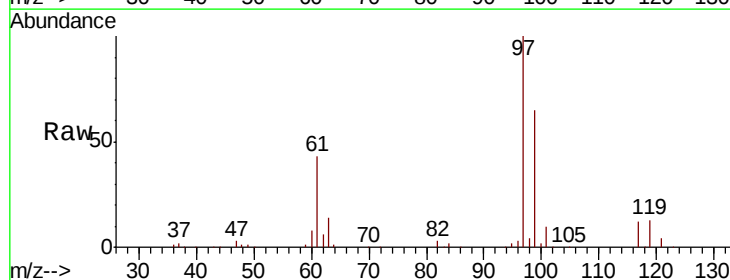
Tgt Ion: 97 Resp: 181461

Ion Ratio Lower Upper

97 100

99 64.1 51.6 77.4

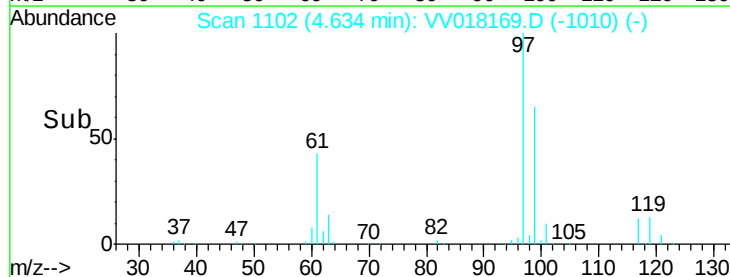
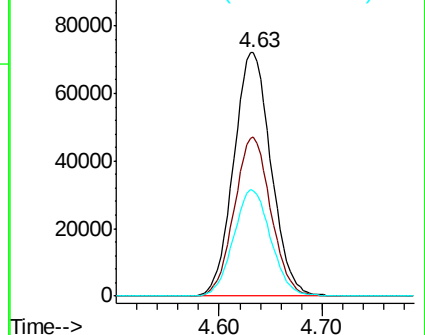
61 43.7 34.9 52.3

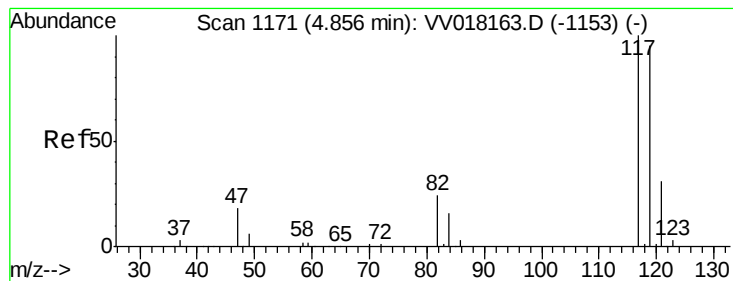


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.493 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

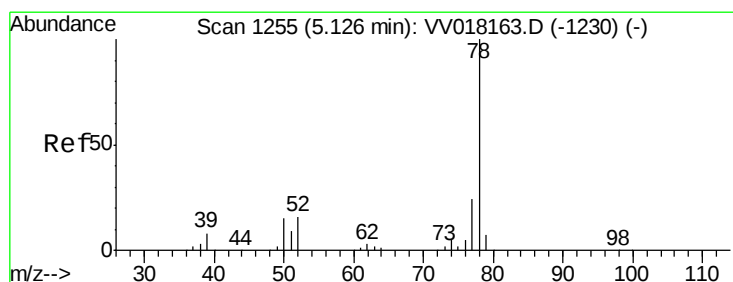
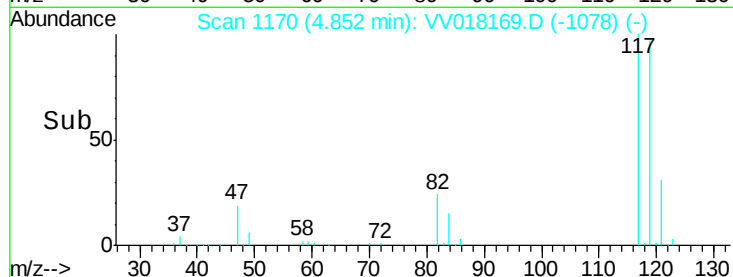
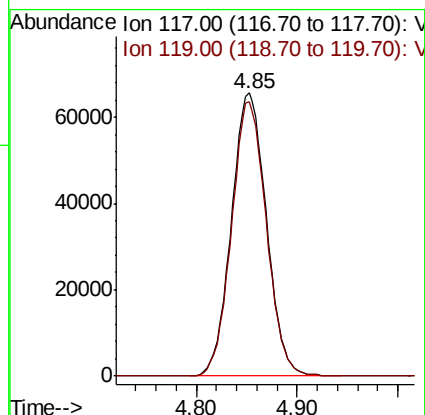
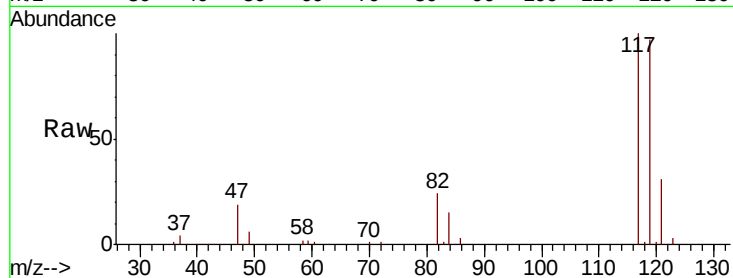
VSTD05095

Tot Ion:117 Resp: 157819

Ion Ratio Lower Upper

117 100

119 96.5 75.7 113.5



#33

Benzene

Concen: 53.339 ug/L

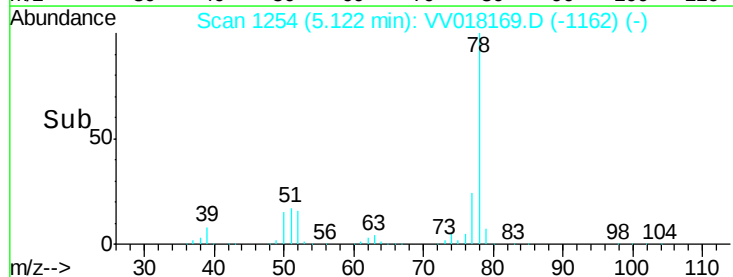
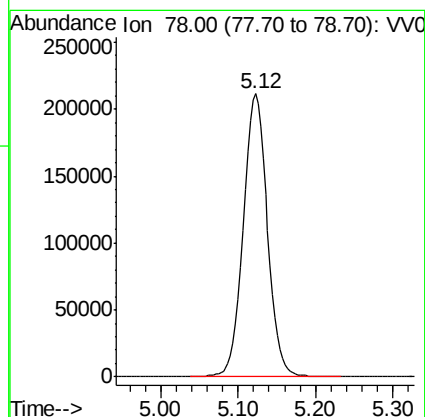
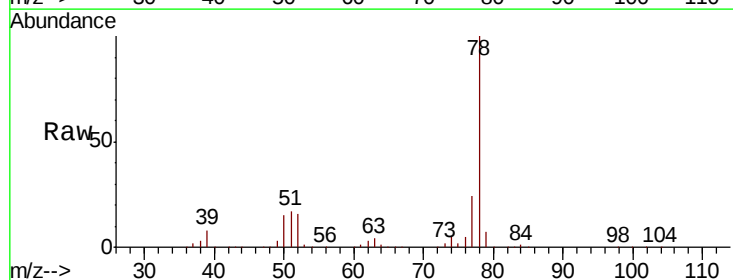
RT: 5.12 min Scan# 1254

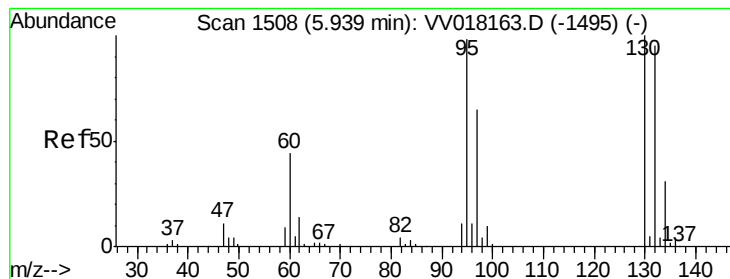
Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Tgt Ion: 78 Resp: 458030





#34

Trichloroethene

Concen: 51.981 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

Tot Ion: 95 Resp: 121595

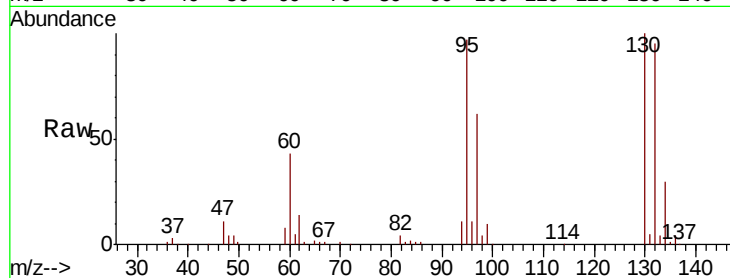
Ion Ratio Lower Upper

95 100

97 63.8 46.3 85.9

132 97.1 68.1 126.5

130 102.6 71.5 132.9



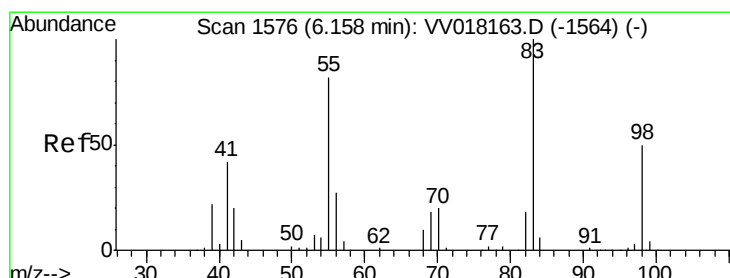
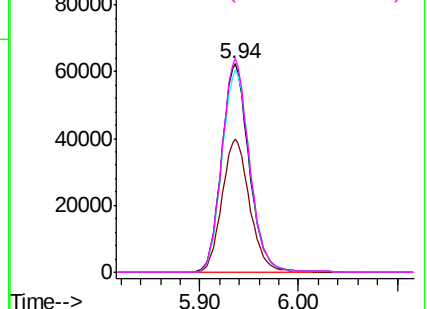
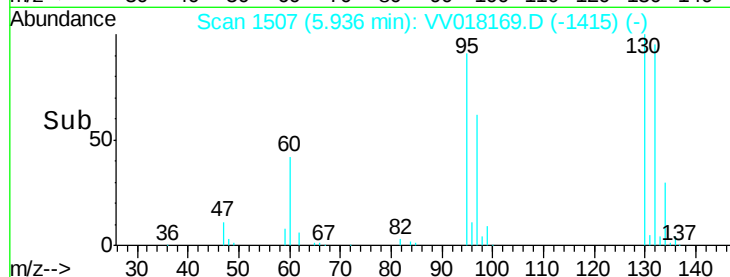
Abundance

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: 53.925 ug/L

RT: 6.15 min Scan# 1574

Delta R.T. -0.01 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

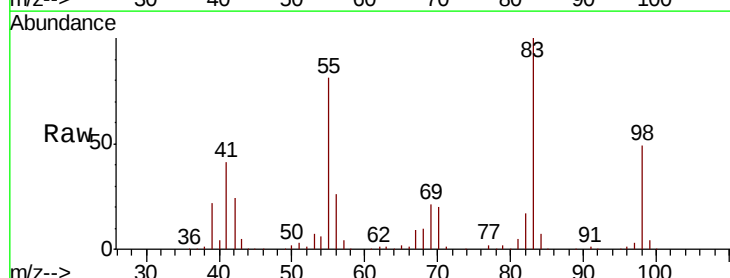
Tgt Ion: 83 Resp: 189926

Ion Ratio Lower Upper

83 100

55 79.8 63.4 95.2

98 49.1 38.8 58.2

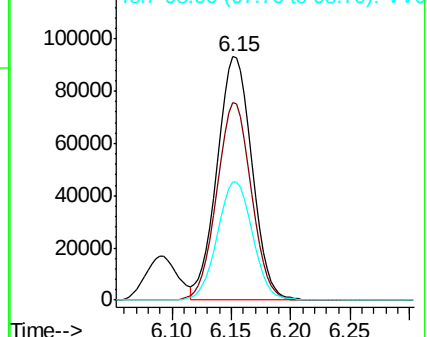
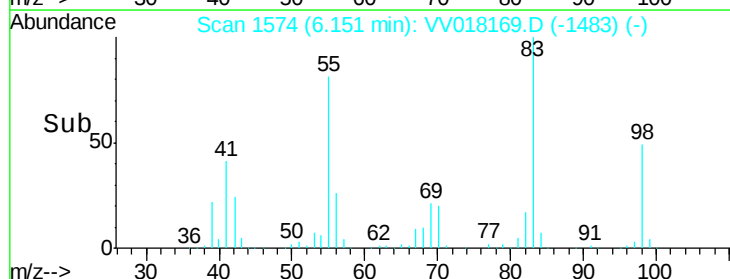


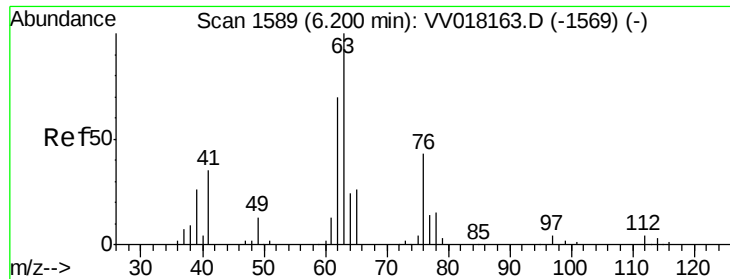
Abundance

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

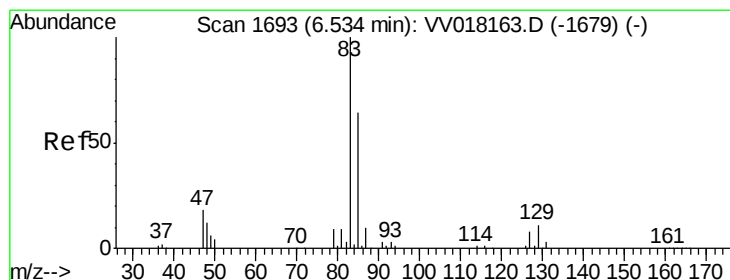
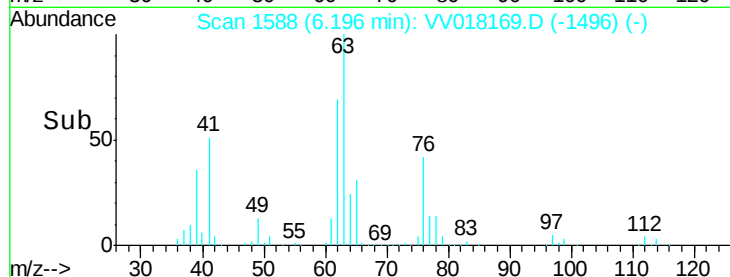
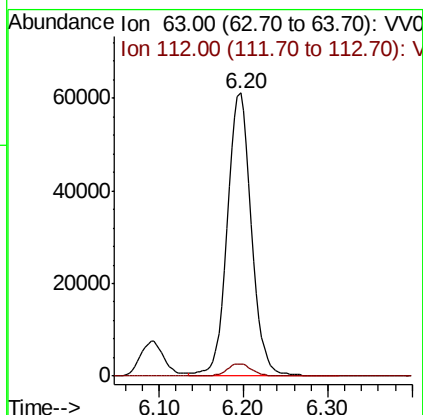
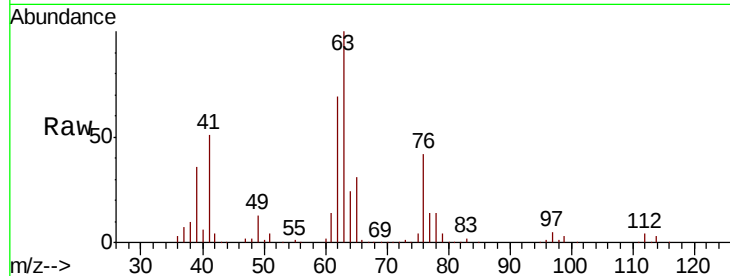




#37
 1,2-Dichloropropane
 Concen: 53.192 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

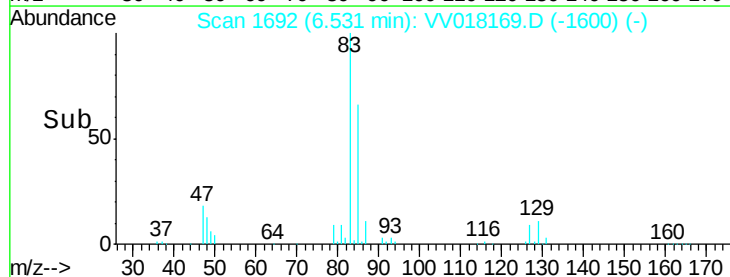
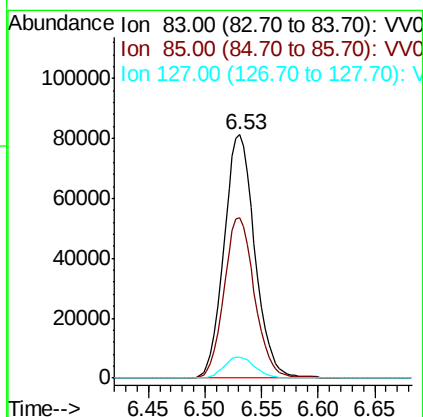
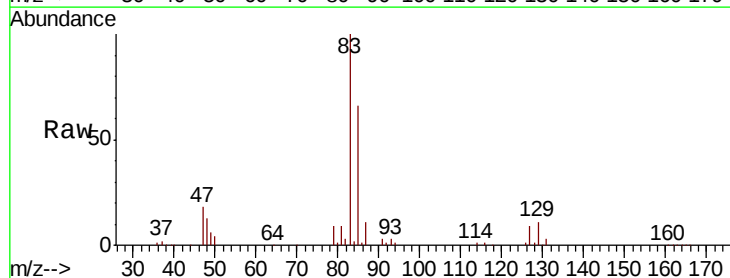
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

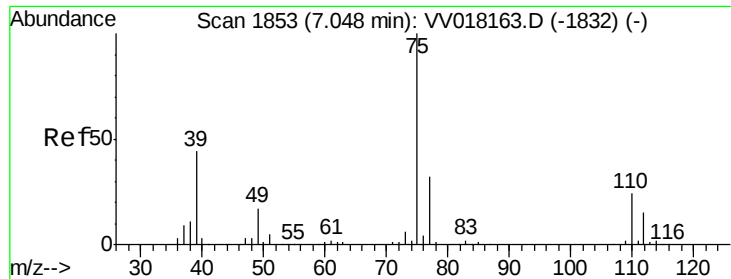
Tot Ion: 63 Resp: 121038
 Ion Ratio Lower Upper
 63 100
 112 4.4 3.4 5.2



#38
 Bromodichloromethane
 Concen: 51.991 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

Tgt Ion: 83 Resp: 153953
 Ion Ratio Lower Upper
 83 100
 85 65.8 44.7 82.9
 127 8.7 6.7 10.1

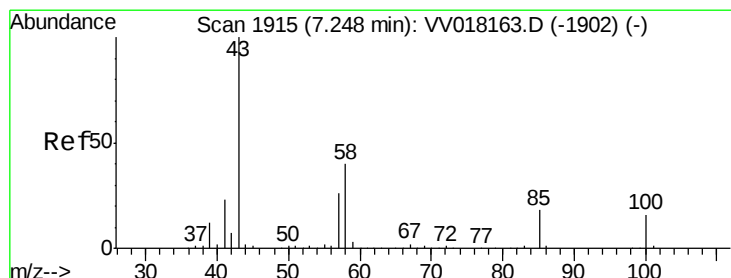
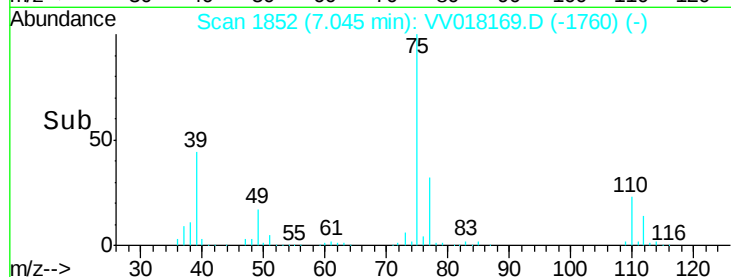
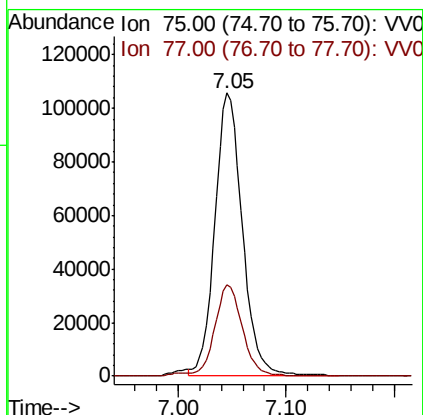
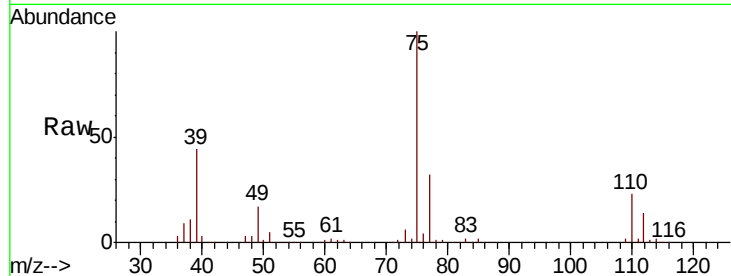




#39
 cis-1,3-Dichloropropene
 Concen: 53.135 ug/L
 RT: 7.05 min Scan# 1852
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

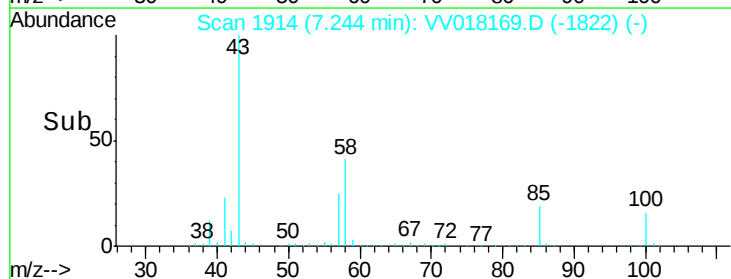
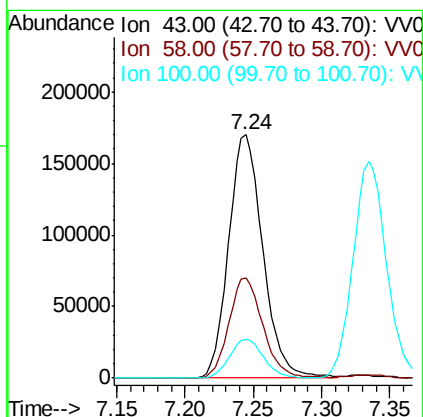
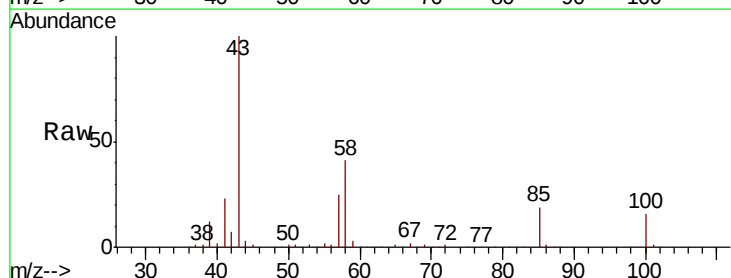
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

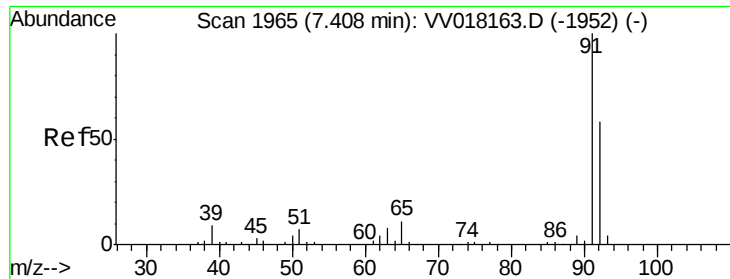
Tot Ion: 75 Resp: 186291
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 107.533 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

Tgt Ion: 43 Resp: 296847
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.4 48.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 53.705 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

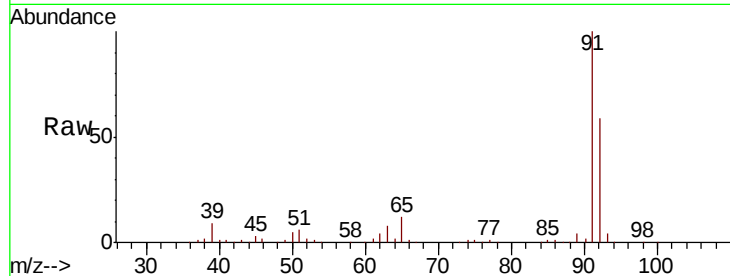
VSTD05095

Tot Ion: 91 Resp: 488046

Ion Ratio Lower Upper

91 100

92 59.2 40.7 75.5



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

300000

250000

200000

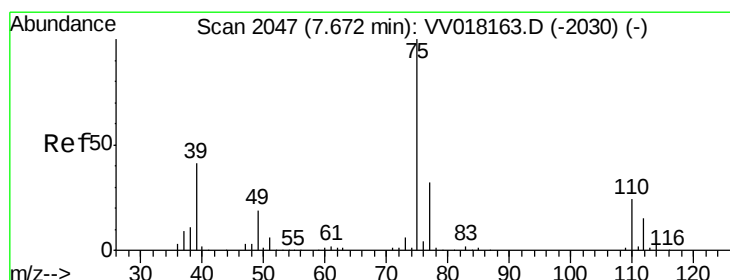
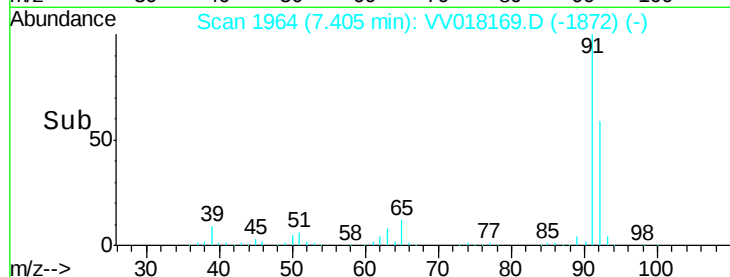
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 54.754 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018169.D

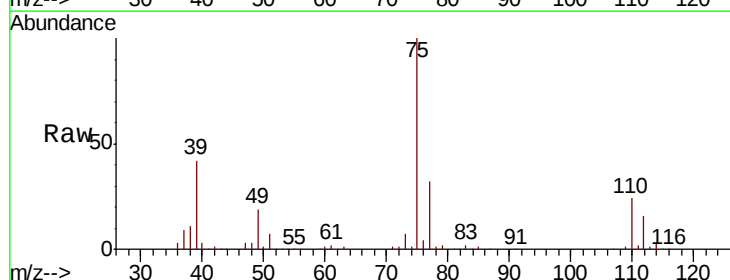
Acq: 09 Sep 2020 16:14

Tgt Ion: 75 Resp: 186910

Ion Ratio Lower Upper

75 100

77 31.6 22.3 41.5



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.67

120000

100000

80000

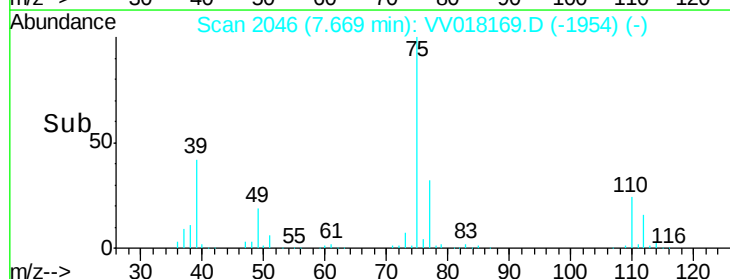
60000

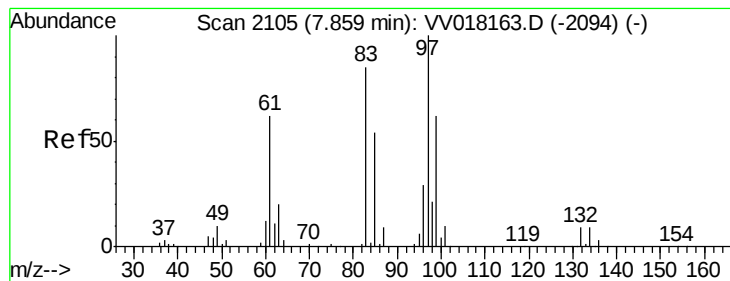
40000

20000

0

Time-->





#45

1,1,2-Trichloroethane

Concen: 52.977 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

Tot Ion: 97 Resp: 111733

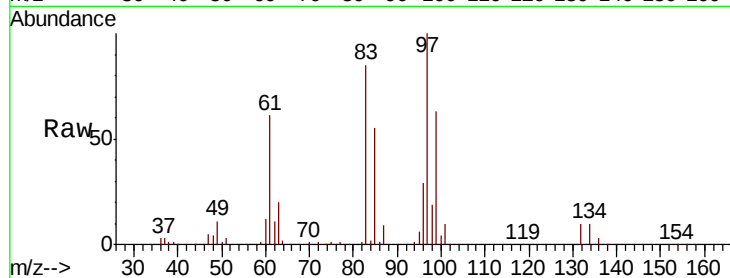
Ion Ratio Lower Upper

97 100

99 62.9 43.7 81.1

83 85.4 59.9 111.3

85 55.2 37.6 69.8



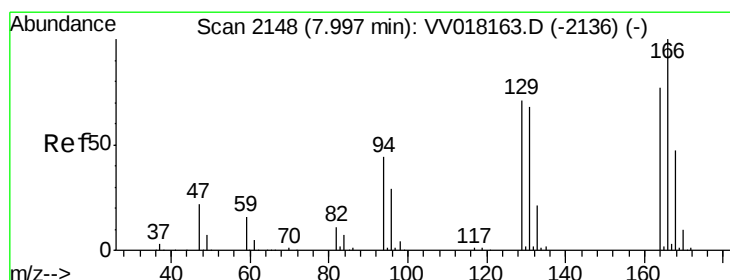
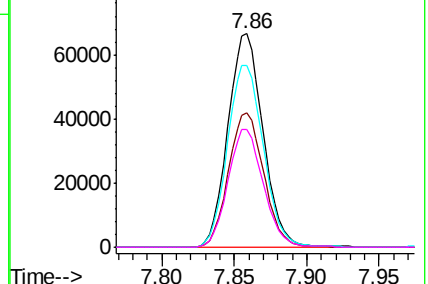
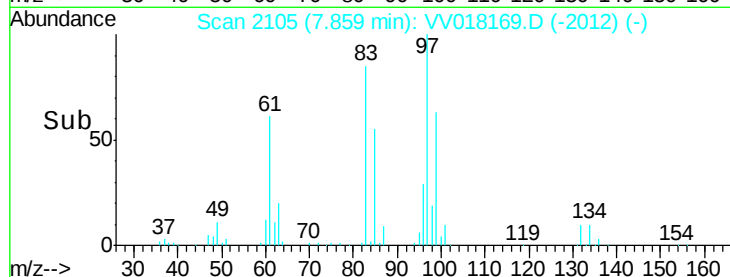
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 53.615 ug/L

RT: 7.99 min Scan# 2147

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Tgt Ion: 164 Resp: 98337

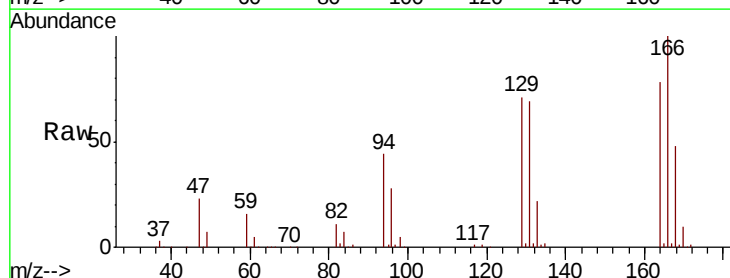
Ion Ratio Lower Upper

164 100

129 91.0 64.5 119.7

131 88.2 61.8 114.8

166 128.0 90.6 168.2



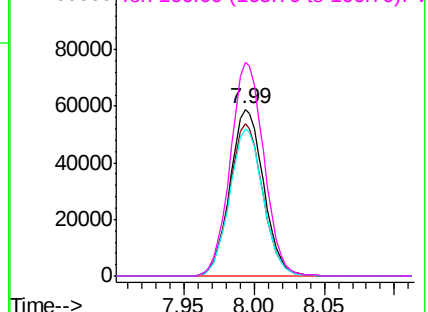
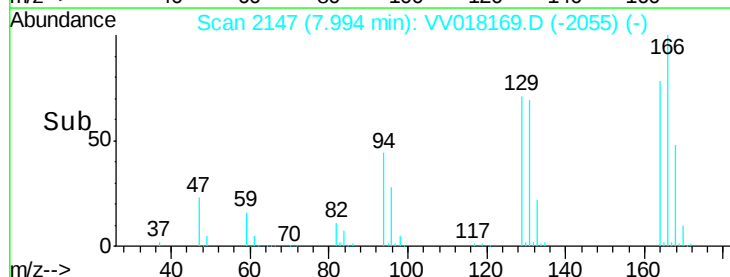
Abundance

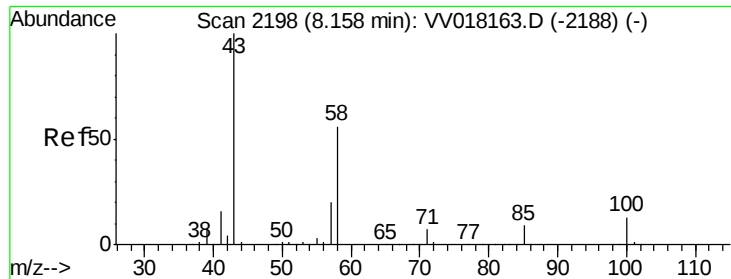
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

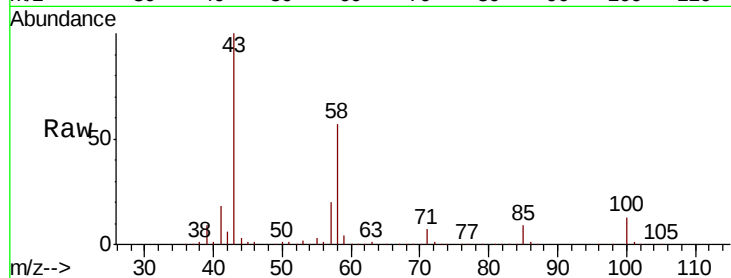




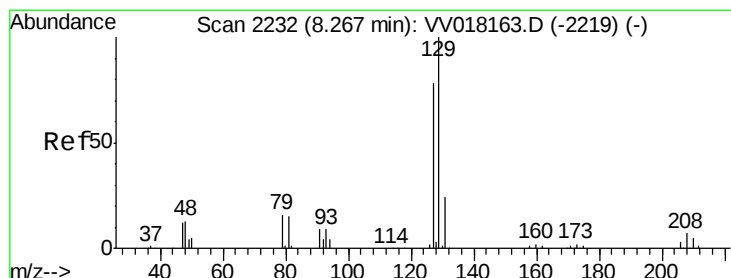
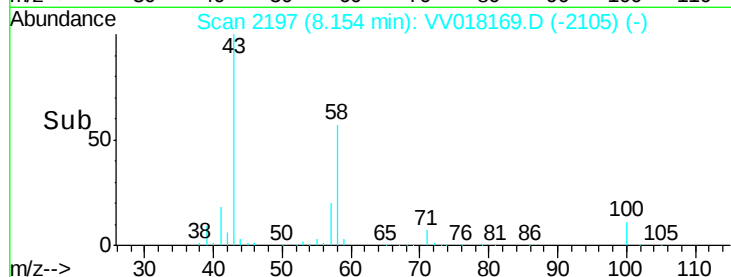
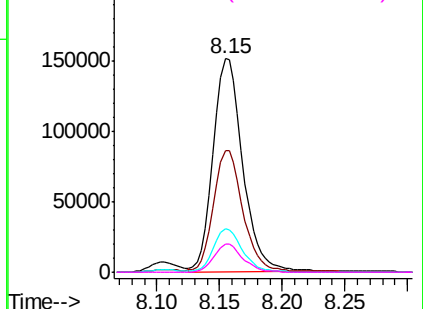
#48
2-Hexanone
Concen: 113.941 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion: 43 Resp: 247975
Ion Ratio Lower Upper
43 100
58 57.4 44.8 67.2
57 19.8 15.8 23.6
100 13.0 10.2 15.4

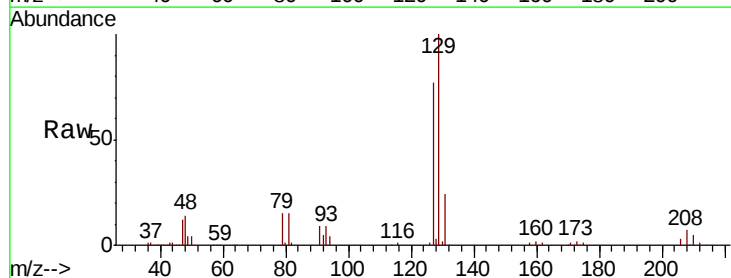


Abundance Ion 43.00 (42.70 to 43.70): VV018169.D (-2197) (-)
Ion 58.00 (57.70 to 58.70): VV018169.D (-2197) (-)
Ion 57.00 (56.70 to 57.70): VV018169.D (-2197) (-)
Ion 100.00 (99.70 to 100.70): VV018169.D (-2197) (-)

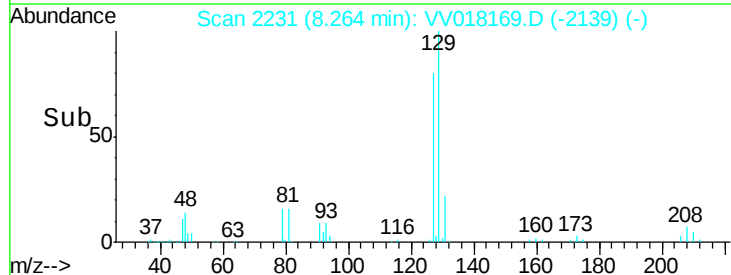
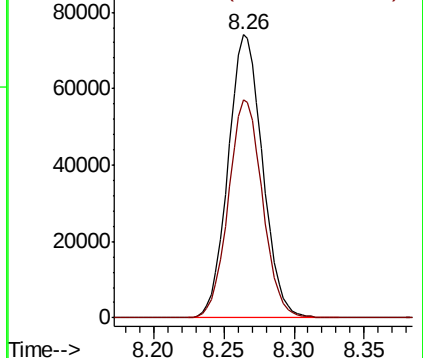


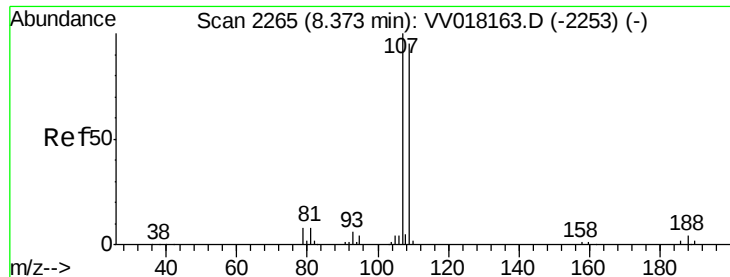
#49
Dibromochloromethane
Concen: 53.444 ug/L
RT: 8.26 min Scan# 2231
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Tgt Ion: 129 Resp: 126523
Ion Ratio Lower Upper
129 100
127 77.0 54.5 101.1



Abundance Ion 129.00 (128.70 to 129.70): VV018169.D (-2231) (-)
Ion 127.00 (126.70 to 127.70): VV018169.D (-2231) (-)

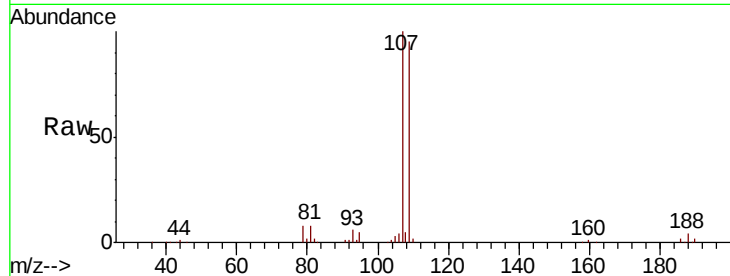




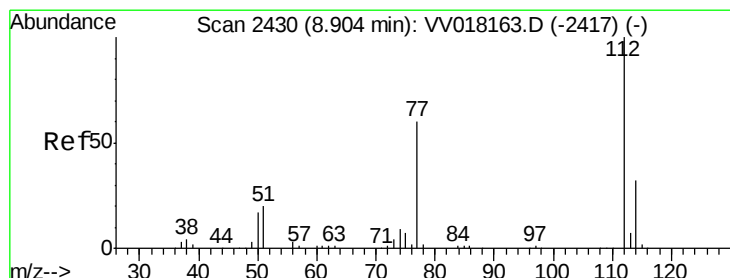
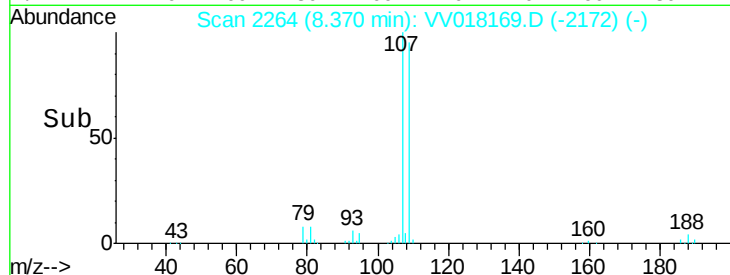
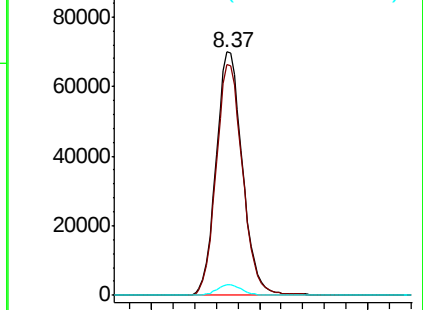
#50
1,2-Dibromoethane
Concen: 53.537 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion	Ratio	Lower	Upper
107	100		
109	94.7	66.1	122.8
188	4.4	3.2	4.8

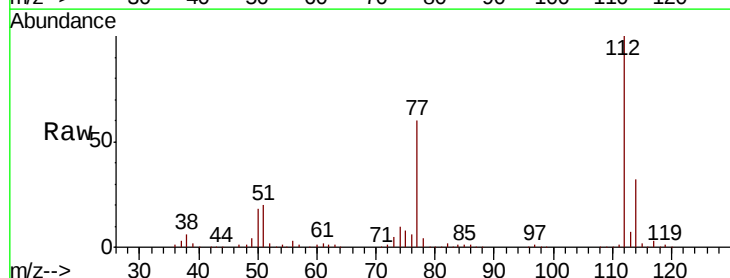


Abundance Ion 107.00 (106.70 to 107.70): V
Ion 109.00 (108.70 to 109.70): V
Ion 188.00 (187.70 to 188.70): V

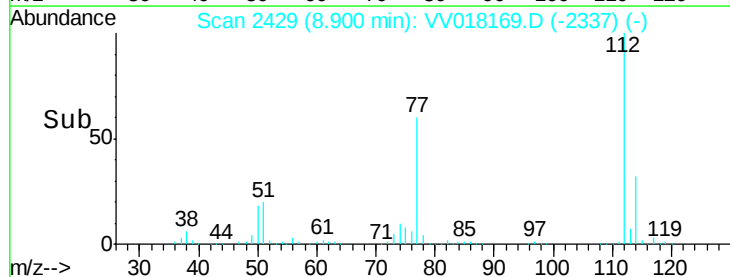
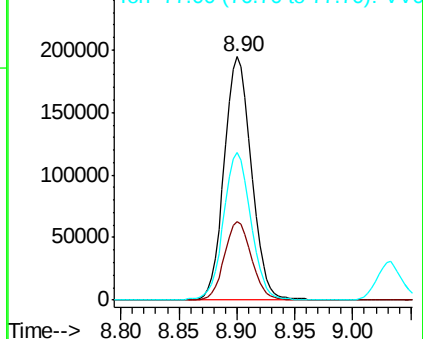


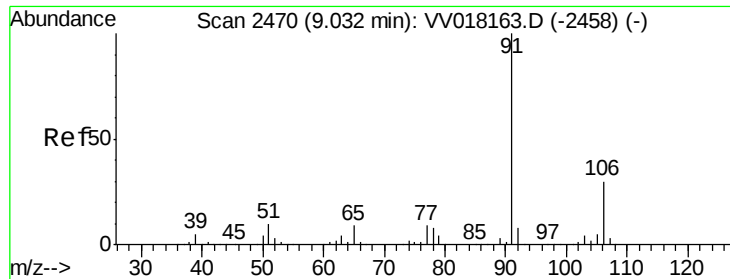
#51
Chlorobenzene
Concen: 53.461 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV018169.D
Acq: 09 Sep 2020 16:14

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.2	22.6	42.0
77	60.4	48.0	72.0



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: 54.637 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

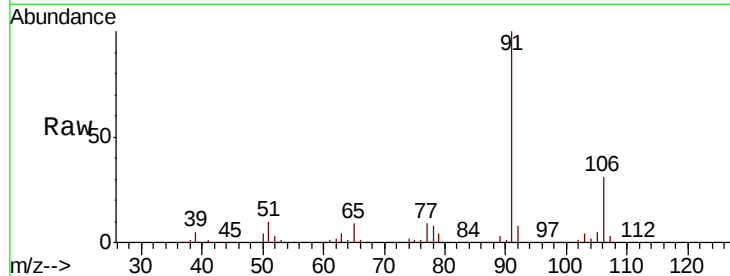
VSTD05095

Tot Ion: 91 Resp: 542070

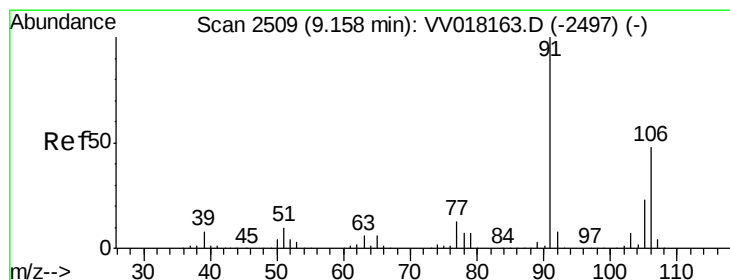
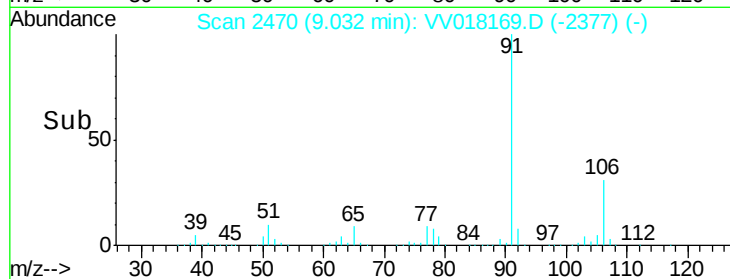
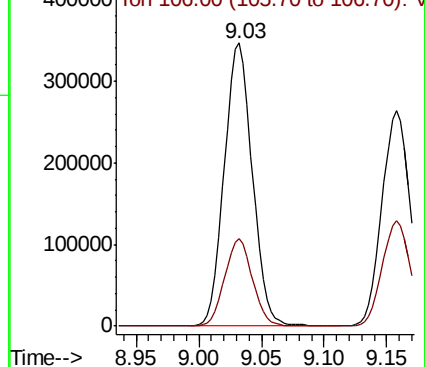
Ion Ratio Lower Upper

91 100

106 30.8 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV018169.D (-2377) (-)



#53

m,p-Xylene

Concen: 55.884 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018169.D

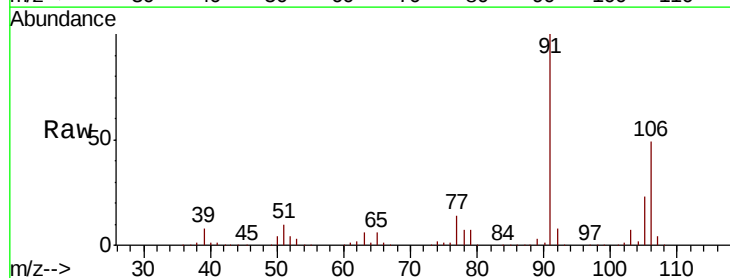
Acq: 09 Sep 2020 16:14

Tgt Ion: 106 Resp: 206949

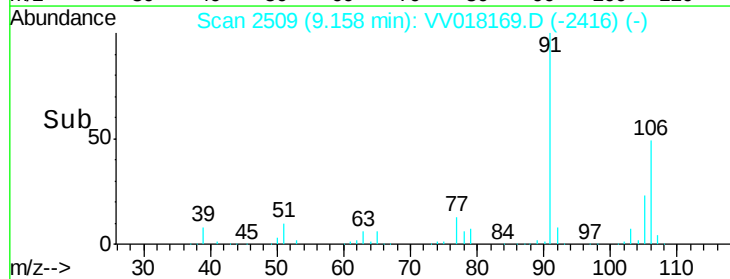
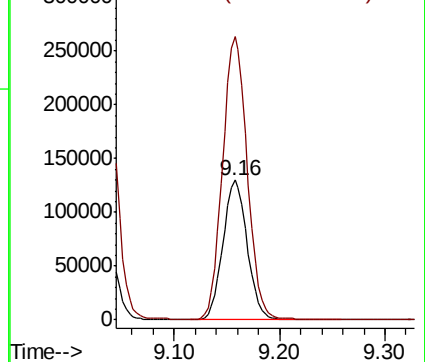
Ion Ratio Lower Upper

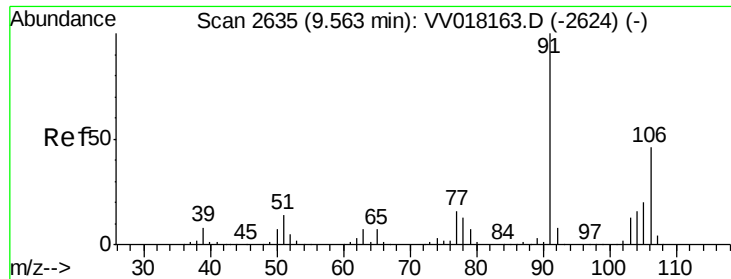
106 100

91 203.0 146.7 272.5



Abundance Ion 106.00 (105.70 to 106.70): VV018169.D (-2416) (-)





#54

o-xylene

Concen: 55.164 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

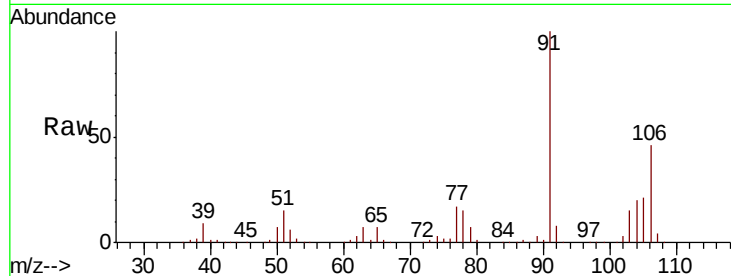
Instrument :
MSVOA_V
ClientSampleId :
VSTD05095

Tot Ion:106 Resp: 196801

Ion Ratio Lower Upper

106 100

91 217.7 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

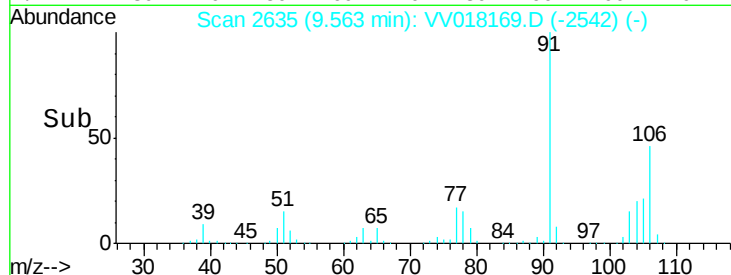
300000

200000

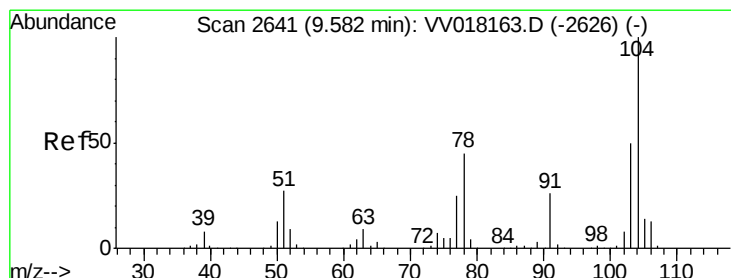
100000

0

9.50 9.55 9.60



Time-->



#55

Styrene

Concen: 56.686 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV018169.D

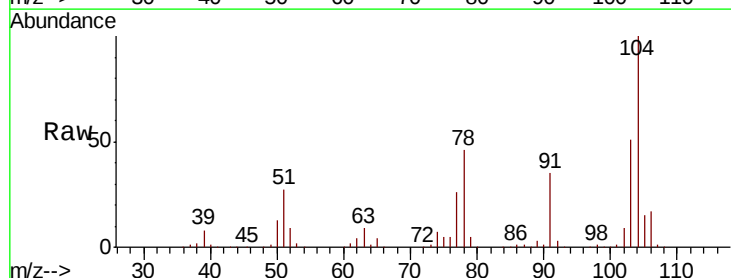
Acq: 09 Sep 2020 16:14

Tgt Ion:104 Resp: 351503

Ion Ratio Lower Upper

104 100

78 46.2 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0

250000

200000

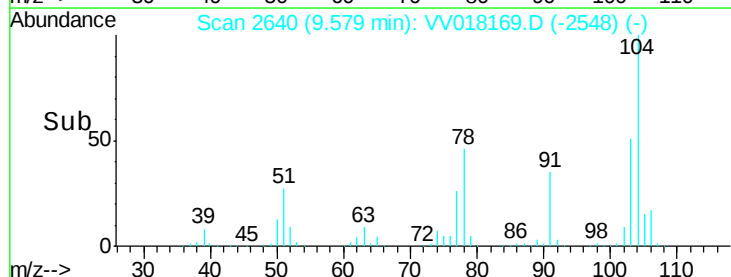
150000

100000

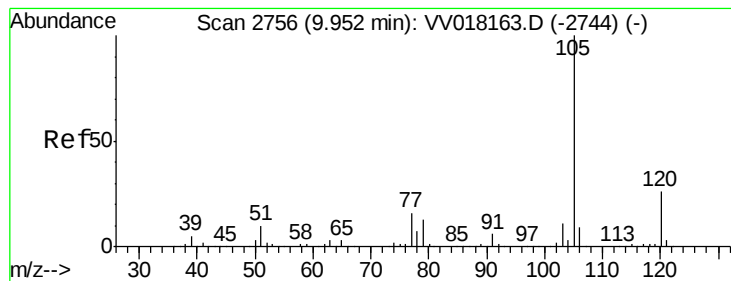
50000

0

9.50 9.60 9.70



Time-->



#56

Isopropylbenzene

Concen: 55.544 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

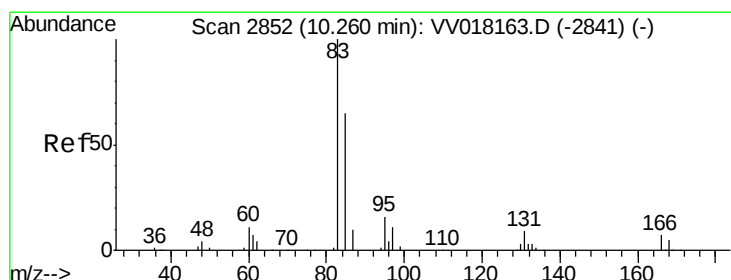
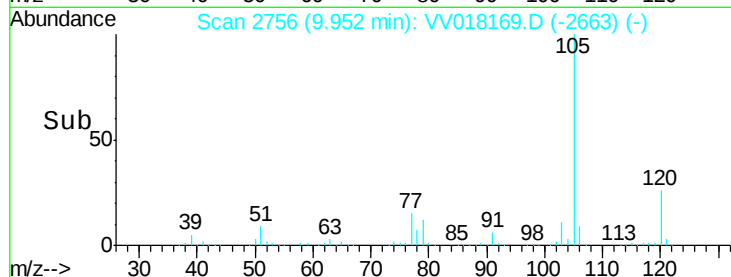
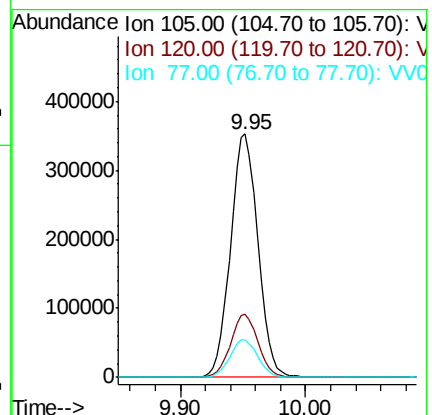
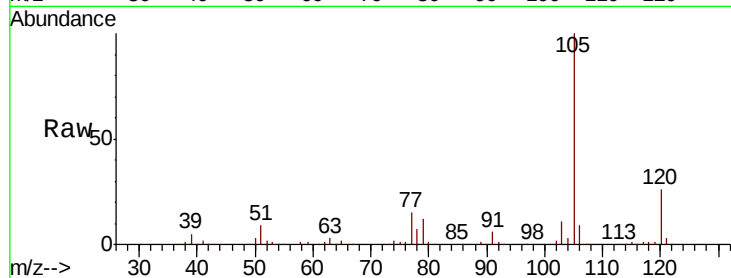
Tot Ion:105 Resp: 534056

Ion Ratio Lower Upper

105 100

120 25.9 20.9 31.3

77 15.7 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 53.390 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

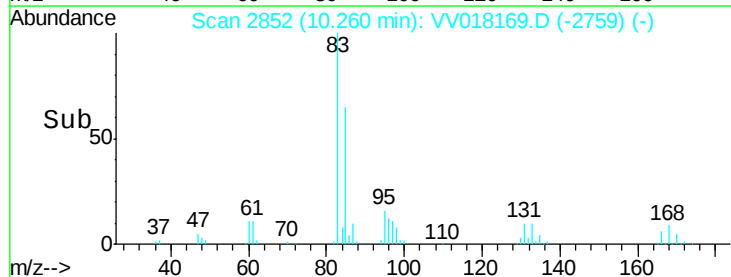
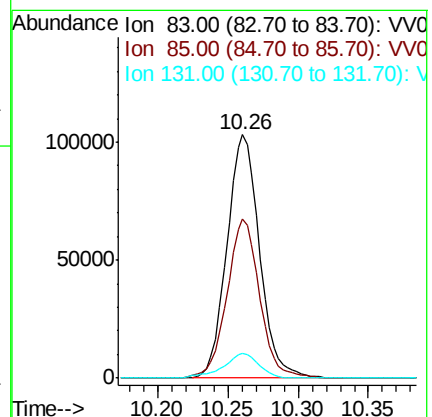
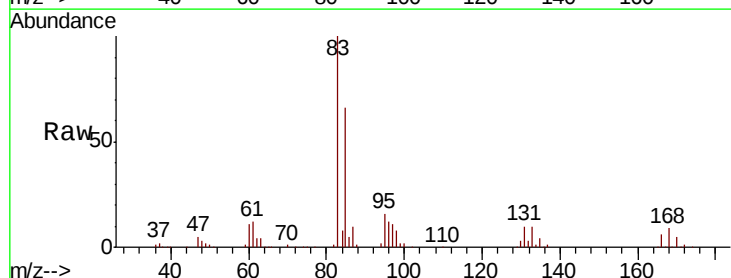
Tgt Ion: 83 Resp: 166567

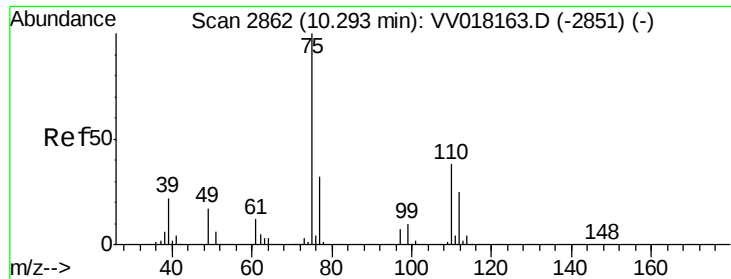
Ion Ratio Lower Upper

83 100

85 65.6 45.8 85.2

131 10.2 8.0 12.0





#59

1,2,3-Trichloropropane

Concen: 52.773 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

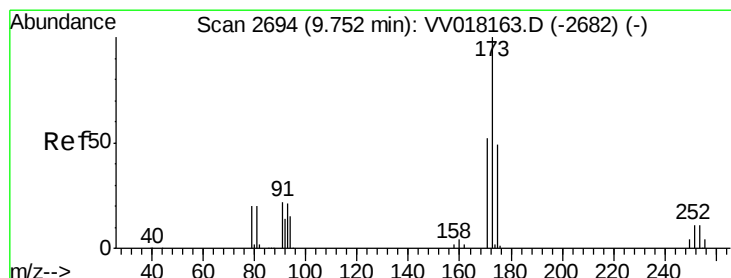
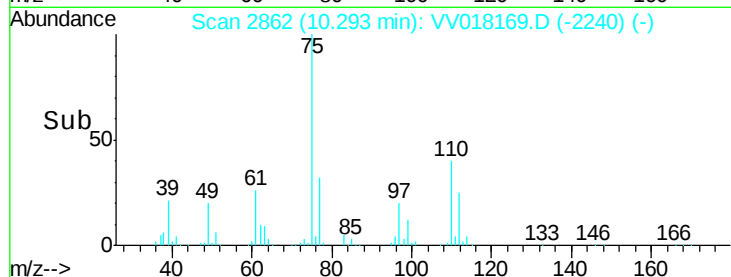
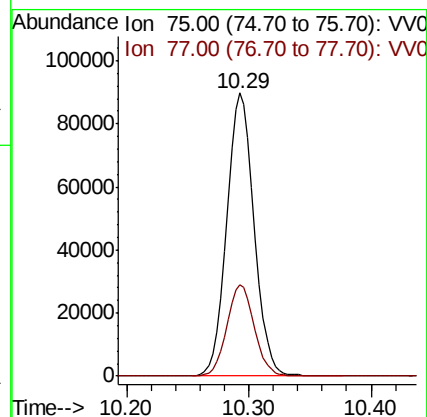
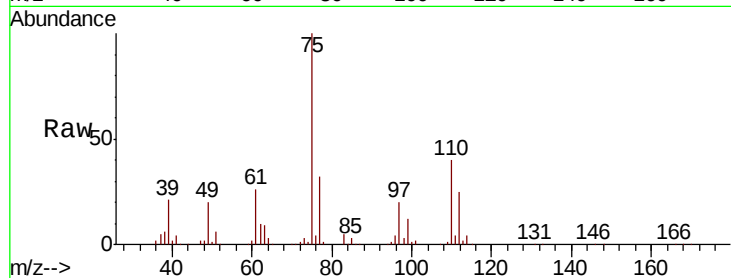
VSTD05095

Tot Ion: 75 Resp: 141239

Ion Ratio Lower Upper

75 100

77 32.4 25.8 38.6



#61

Bromoform

Concen: 51.302 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

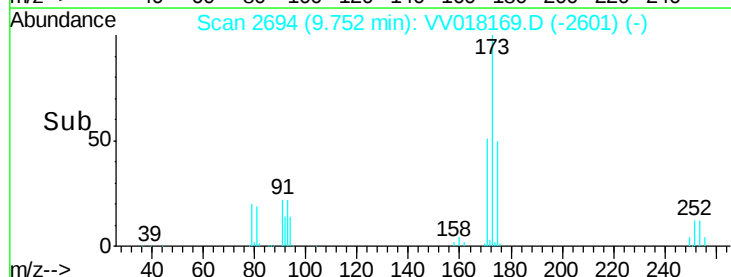
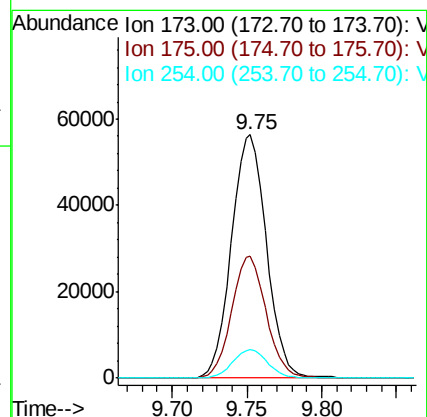
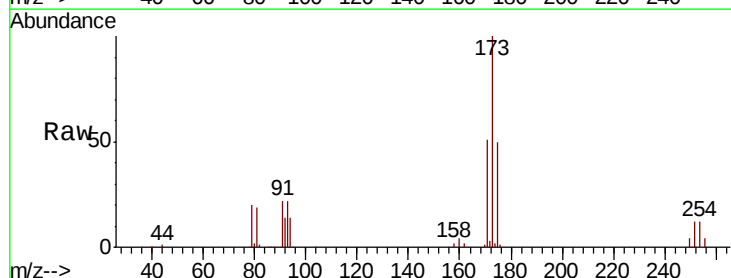
Tgt Ion: 173 Resp: 92050

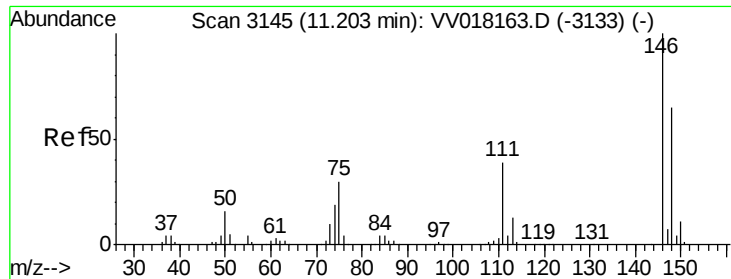
Ion Ratio Lower Upper

173 100

175 49.3 39.0 58.6

254 11.6 9.0 13.4

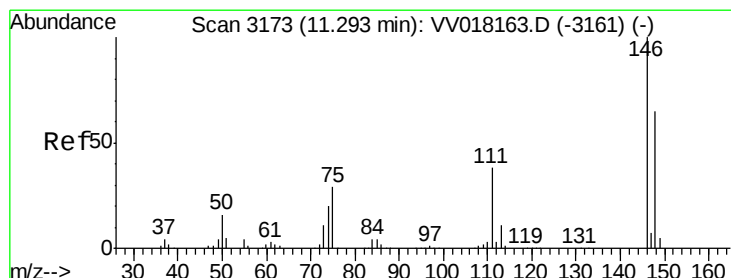
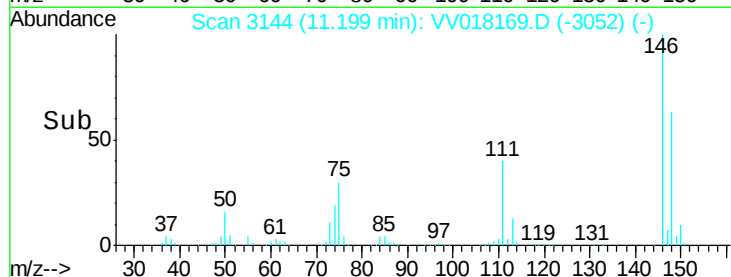
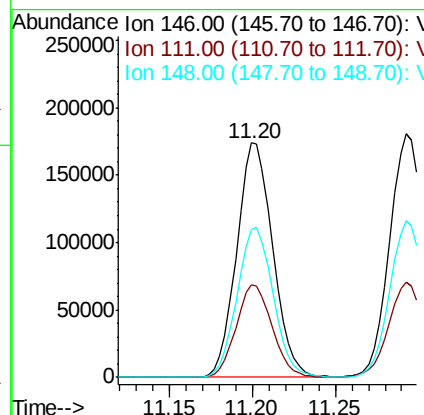
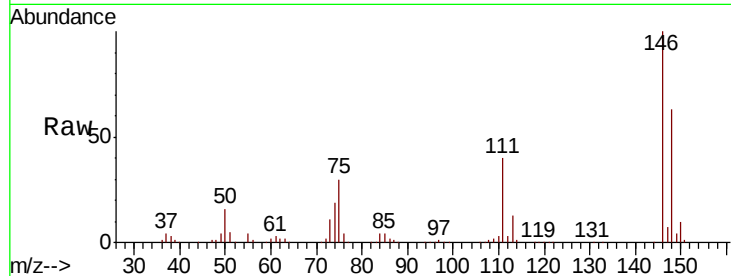




#62
 1,3-Dichlorobenzene
 Concen: 53.118 ug/L
 RT: 11.20 min Scan# 3144
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

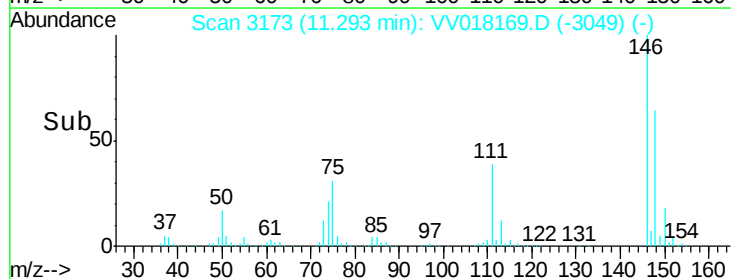
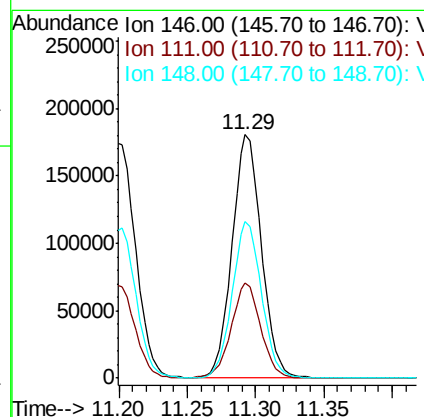
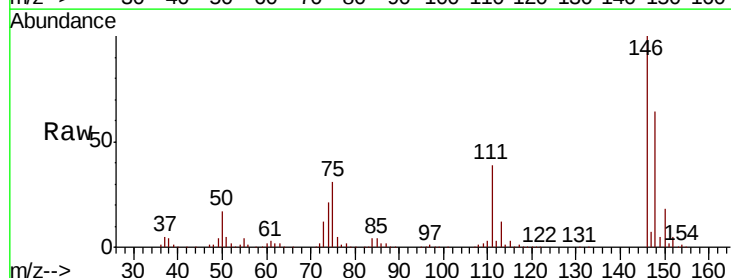
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

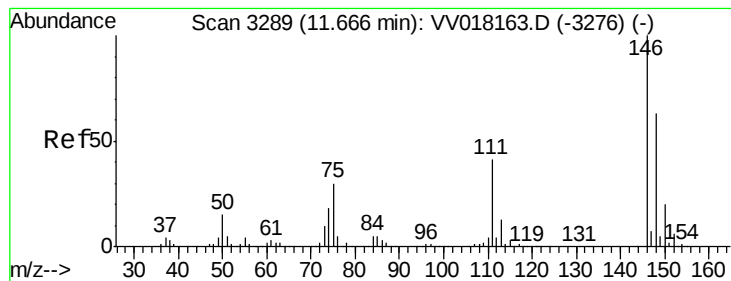
Tot Ion	Ratio	Lower	Upper
146	100		
111	39.5	27.6	51.2
148	63.2	45.4	84.2



#63
 1,4-Dichlorobenzene
 Concen: 52.818 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.1	27.1	50.3
148	64.2	45.4	84.2





#65

1,2-Dichlorobenzene

Concen: 52.198 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

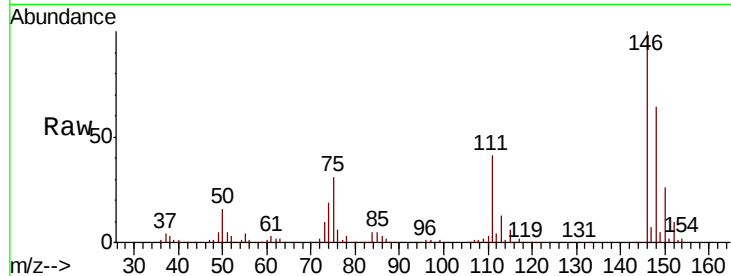
Tot Ion:146 Resp: 262031

Ion Ratio Lower Upper

146 100

111 40.8 32.8 49.2

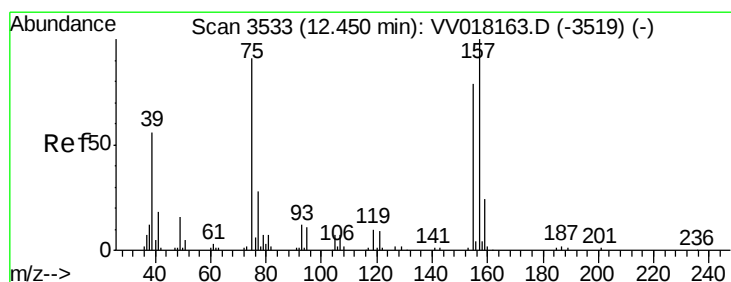
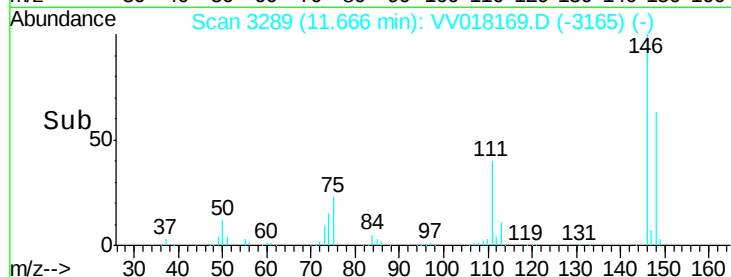
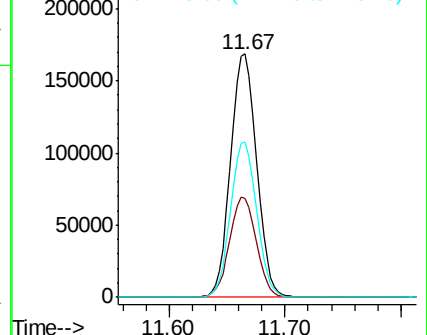
148 63.7 50.7 76.1



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 50.491 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

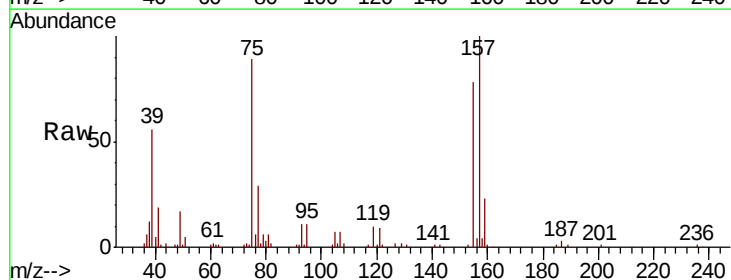
Tgt Ion: 75 Resp: 35767

Ion Ratio Lower Upper

75 100

155 88.5 69.7 104.5

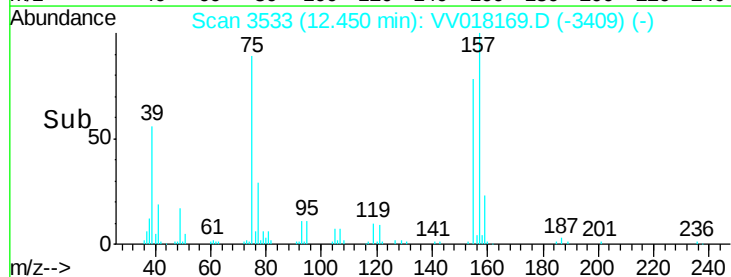
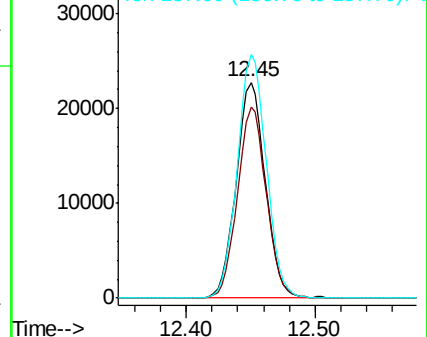
157 112.8 88.2 132.4

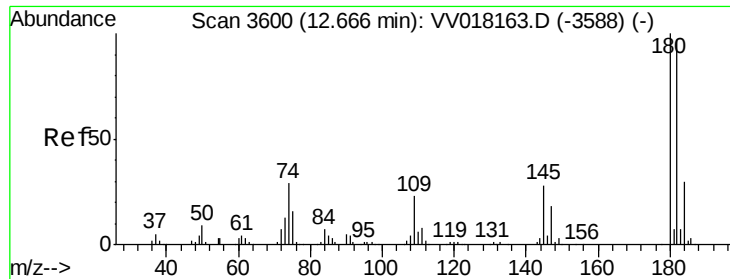


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

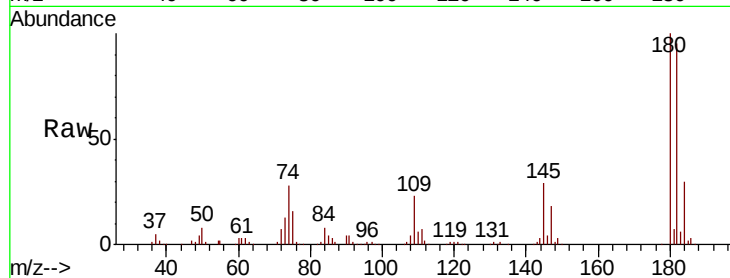




#67
 1,3,5-Trichlorobenzene
 Concen: 53.908 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05095

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.8	115.2
184	30.3	24.6	36.8
145	28.6	22.7	34.1

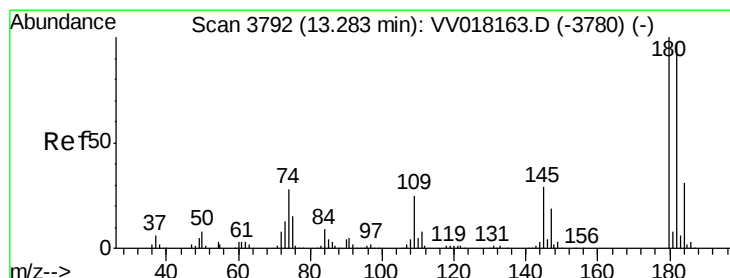
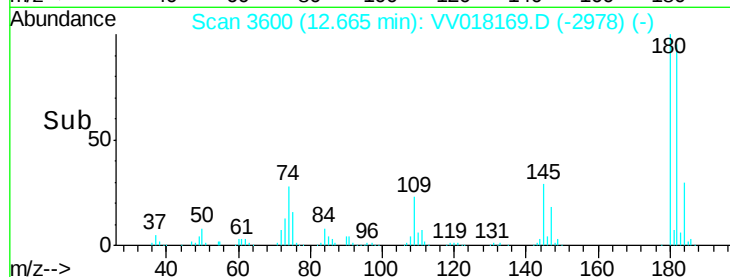
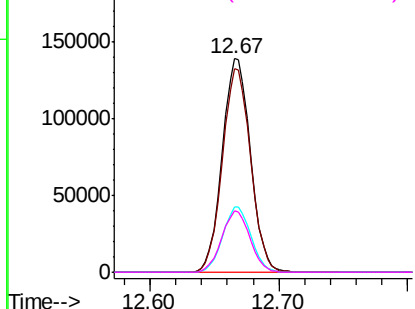


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

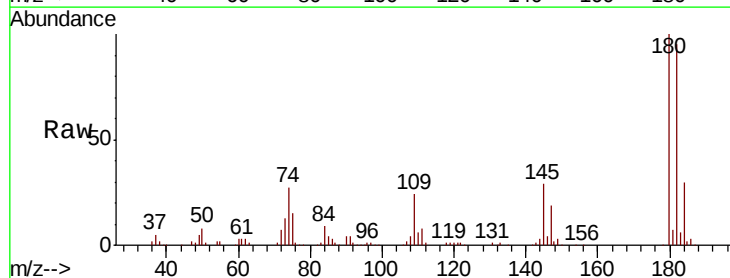
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 55.046 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018169.D
 Acq: 09 Sep 2020 16:14

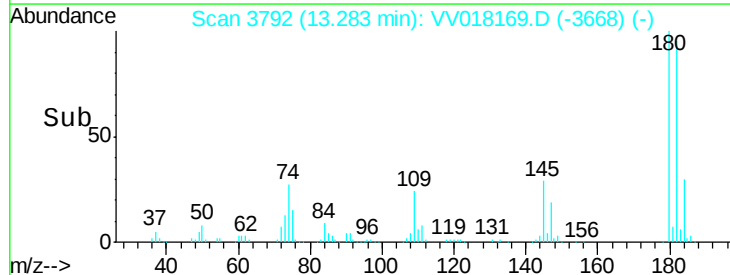
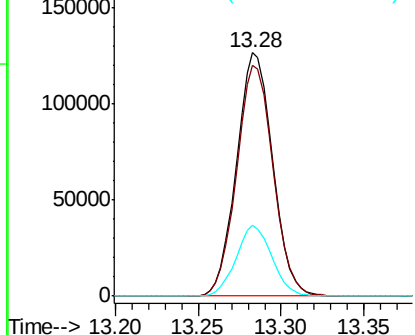
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	77.4	116.2
145	28.9	23.2	34.8

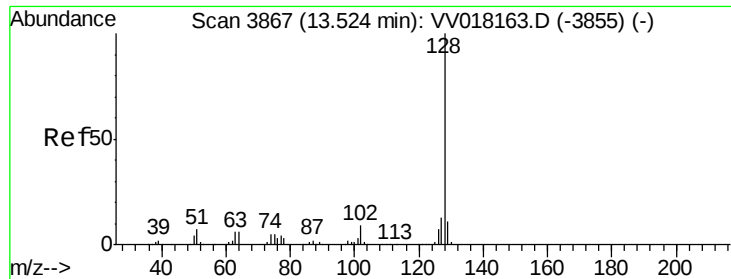


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 56.217 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

Instrument :

MSVOA_V

ClientSampleId :

VSTD05095

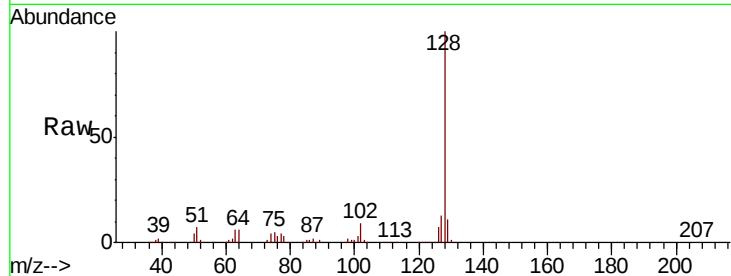
Tot Ion:128 Resp: 495954

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

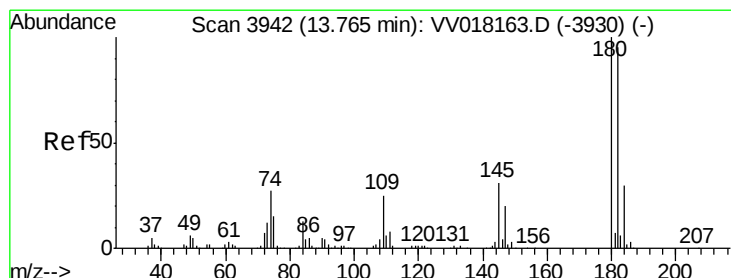
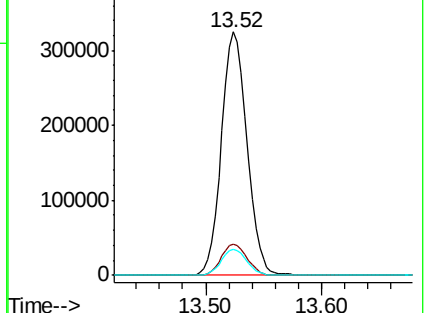
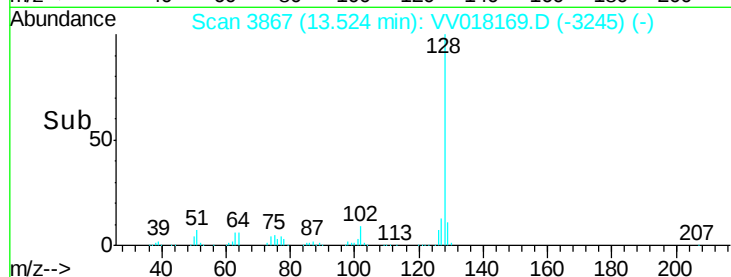
129 10.8 8.6 13.0



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: 54.250 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018169.D

Acq: 09 Sep 2020 16:14

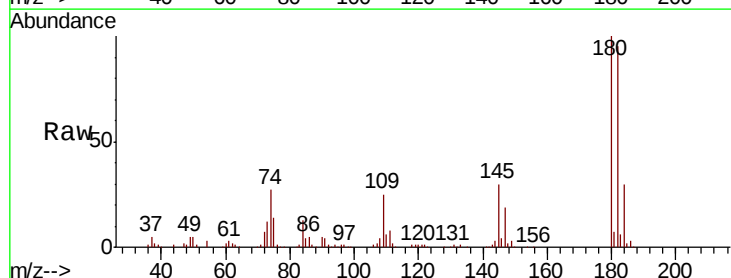
Tgt Ion:180 Resp: 186296

Ion Ratio Lower Upper

180 100

182 95.9 76.5 114.7

145 31.0 24.9 37.3



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

