

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV090120\
 Data File : VV018140.D
 Acq On : 01 Sep 2020 11:50
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Quant Time: Sep 02 01:26:00 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM081120WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Aug 31 14:06:01 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	287521	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	282790	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	157447	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	82684	37.69	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	75.38%
7) Chloroethane-d5	1.58	69	78679	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.68%
11) 1,1-Dichloroethene-d2	2.12	63	182874	43.58	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	87.16%
21) 2-Butanone-d5	3.90	46	137488	95.69	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	95.69%
24) Chloroform-d	4.37	84	192759	48.27	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.54%
26) 1,2-Dichloroethane-d4	5.05	65	122407	47.19	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.38%
32) Benzene-d6	5.07	84	361179	46.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	92.68%
36) 1,2-Dichloropropane-d6	6.09	67	119527	46.91	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	93.82%
41) Toluene-d8	7.33	98	333215	47.54	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.08%
43) trans-1,3-Dichloropropene-	7.64	79	59949	51.88	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	103.76%
47) 2-Hexanone-d5	8.11	63	80721	98.72	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	98.72%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	163626	49.32	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	98.64%
64) 1,2-Dichlorobenzene-d4	11.65	152	148254	47.84	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	95.68%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	94641	42.636	ug/L 99
3) Chloromethane	1.25	50	108746	42.173	ug/L 100
5) Vinyl chloride	1.32	62	114104	44.663	ug/L 99
6) Bromomethane	1.53	94	71243	46.658	ug/L 99
8) Chloroethane	1.60	64	74165	45.482	ug/L 99
9) Trichlorofluoromethane	1.77	101	169869	46.547	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	101248	49.688	ug/L 97
12) 1,1-Dichloroethene	2.13	96	91533	47.459	ug/L 95
13) Acetone	2.19	43	170126	114.635	ug/L 99
14) Carbon disulfide	2.31	76	240568	45.319	ug/L 99
15) Methyl Acetate	2.44	43	105139	43.900	ug/L 99
16) Methylene chloride	2.52	84	110060	44.792	ug/L 100
17) trans-1,2-Dichloroethene	2.78	96	94840	47.837	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	323537	49.345	ug/L 99
19) 1,1-Dichloroethane	3.21	63	192167	48.205	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	109464	50.244	ug/L 97
22) 2-Butanone	3.99	43	180250	108.266	ug/L 98

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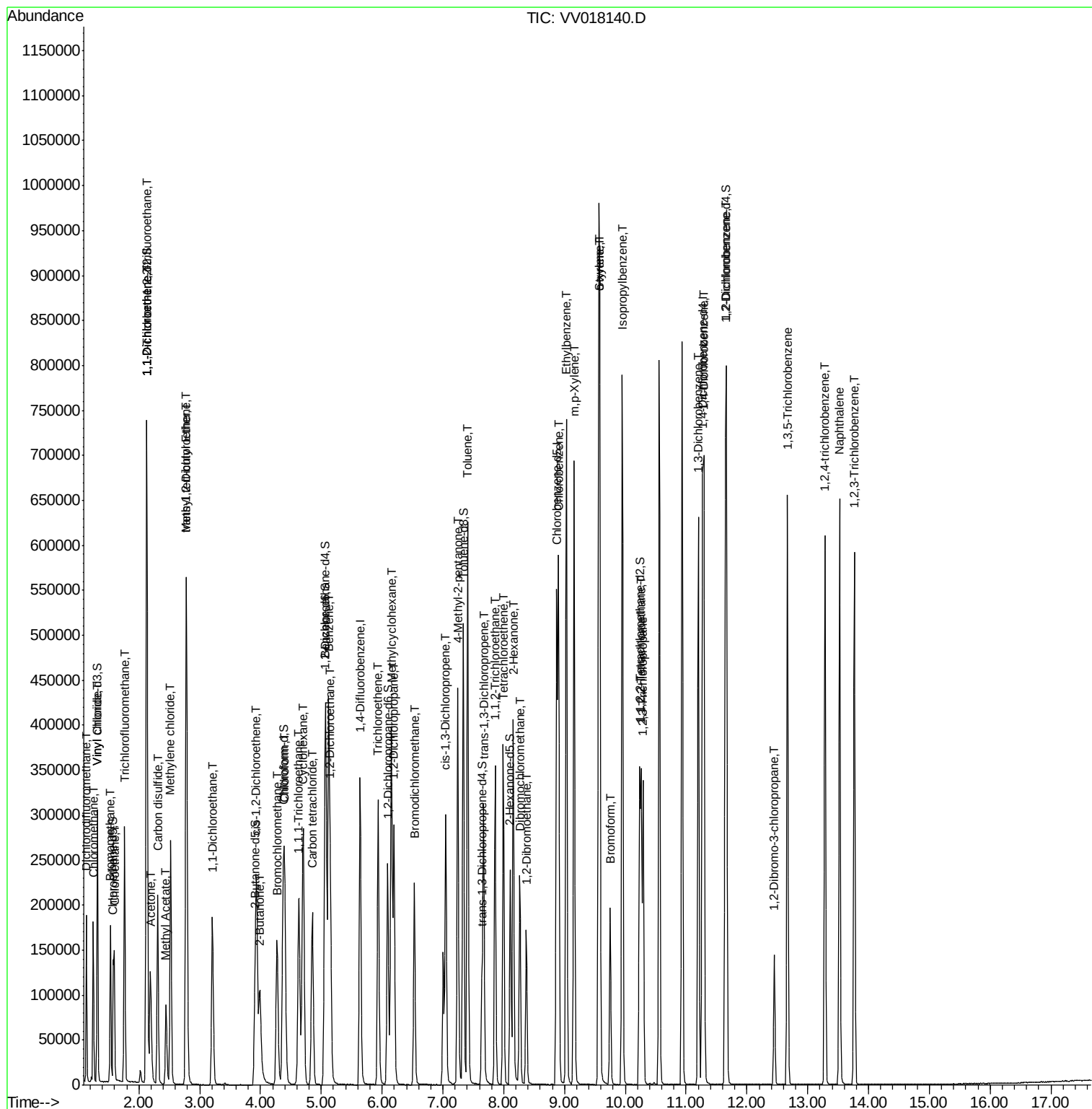
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	56331	49.494	ug/L	98
25) Chloroform	4.40	83	200944	49.420	ug/L	100
27) 1,2-Dichloroethane	5.15	62	154922	47.869	ug/L	98
29) Cyclohexane	4.70	56	158683	46.493	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	168973	48.760	ug/L	98
31) Carbon tetrachloride	4.85	117	146246	50.694	ug/L	99
33) Benzene	5.12	78	417772	47.751	ug/L	100
34) Trichloroethene	5.94	95	109472	47.337	ug/L	98
35) Methylcyclohexane	6.15	83	161964	47.099	ug/L	100
37) 1,2-Dichloropropane	6.19	63	114616	48.037	ug/L	100
38) Bromodichloromethane	6.53	83	150369	50.738	ug/L	99
39) cis-1,3-Dichloropropene	7.04	75	179442	53.051	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	289911	92.948	ug/L	100
42) Toluene	7.41	91	449213	49.204	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	174047	54.233	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	107520	48.660	ug/L	99
46) Tetrachloroethene	8.00	164	86696	51.116	ug/L	98
48) 2-Hexanone	8.15	43	246705	98.086	ug/L	100
49) Dibromochloromethane	8.27	129	118788	55.077	ug/L	100
50) 1,2-Dibromoethane	8.37	107	111874	48.936	ug/L	98
51) Chlorobenzene	8.90	112	294712	50.193	ug/L	98
52) Ethylbenzene	9.03	91	500945	50.324	ug/L	99
53) m,p-Xylene	9.16	106	188077	51.370	ug/L	97
54) o-xylene	9.56	106	184210	50.914	ug/L	97
55) Styrene	9.58	104	330799	53.389	ug/L	99
56) Isopropylbenzene	9.95	105	498825	52.261	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.26	83	163375	47.482	ug/L	100
59) 1,2,3-Trichloropropane	10.29	75	136741	46.405	ug/L	100
61) Bromoform	9.75	173	88343	59.300	ug/L	99
62) 1,3-Dichlorobenzene	11.20	146	250925	50.118	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	254903	49.560	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	250285	48.568	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	34841	45.887	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	200657	52.758	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	183027	54.735	ug/L	99
69) Naphthalene	13.52	128	478393	51.906	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	181801	53.462	ug/L	99

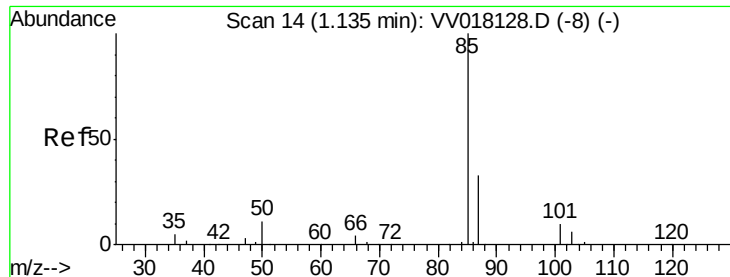
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 42.636 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

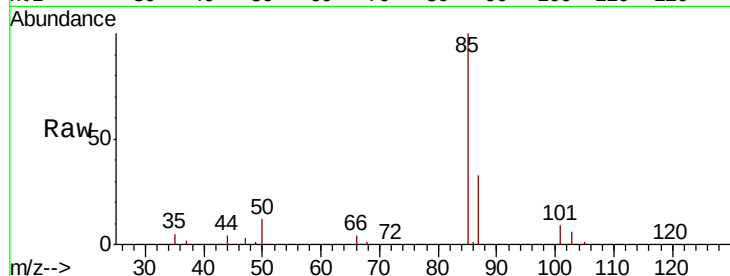
VSTD05091

Tot Ion: 85 Resp: 94641

Ion Ratio Lower Upper

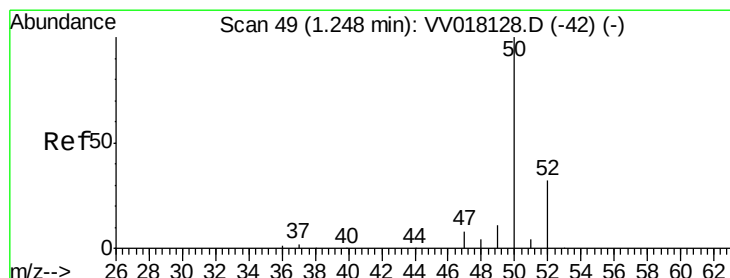
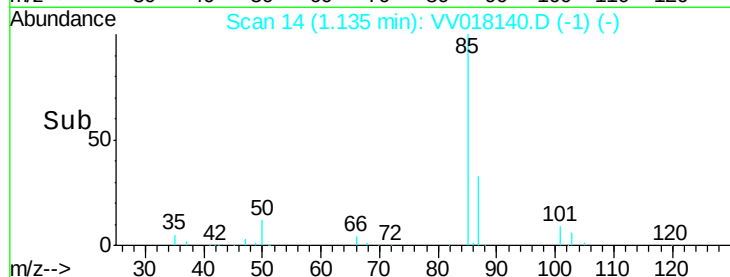
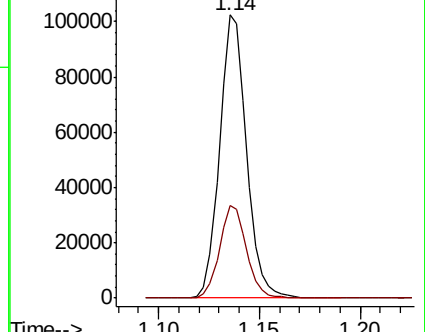
85 100

87 32.7 25.9 38.9



Abundance Ion 85.00 (84.70 to 85.70): VV018140.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV018140.D (-1) (-)



#3

Chloromethane

Concen: 42.173 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018140.D

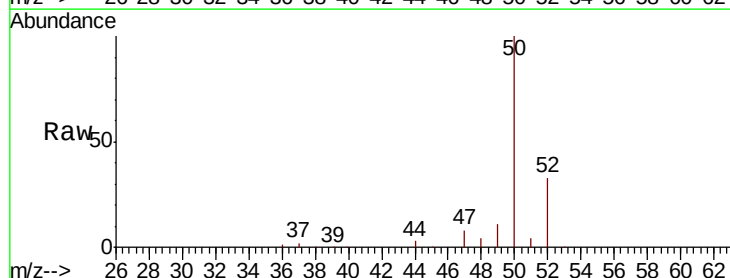
Acq: 01 Sep 2020 11:50

Tgt Ion: 50 Resp: 108746

Ion Ratio Lower Upper

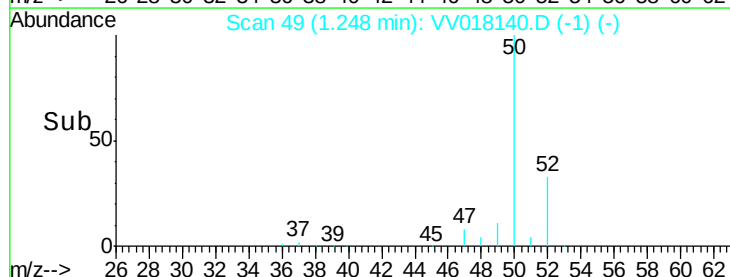
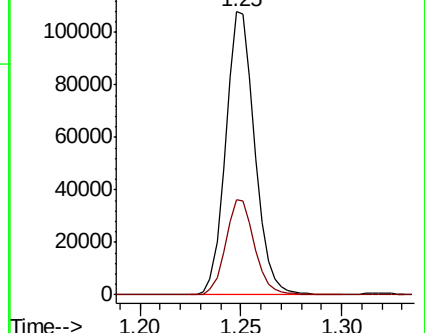
50 100

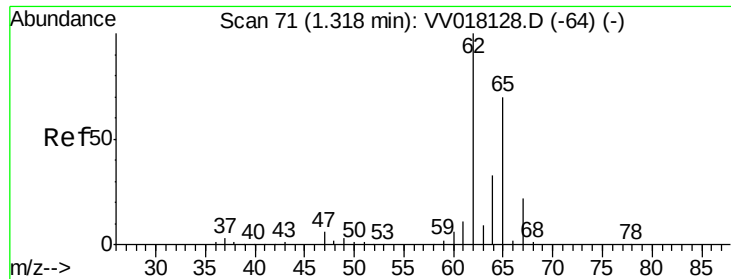
52 33.5 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VV018140.D (-1) (-)

Ion 52.00 (51.70 to 52.70): VV018140.D (-1) (-)





#5

Vinyl chloride

Concen: 44.663 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

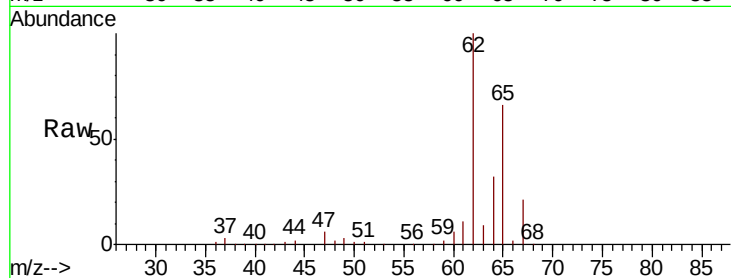
VSTD05091

Tot Ion: 62 Resp: 114104

Ion Ratio Lower Upper

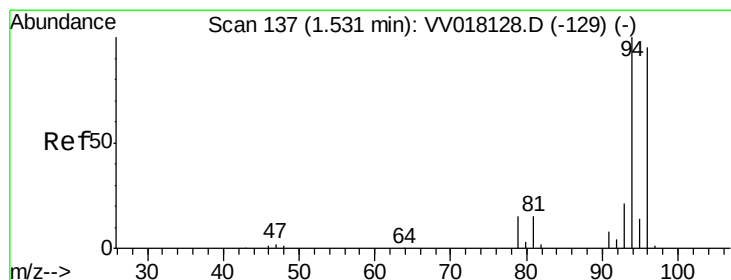
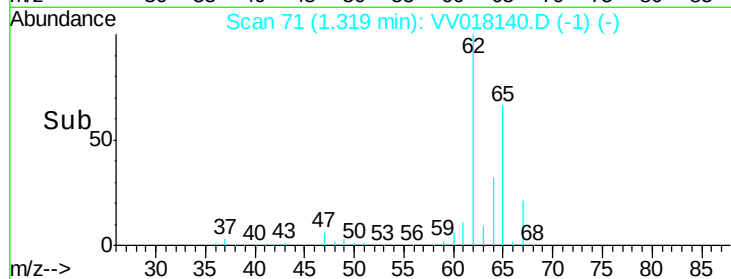
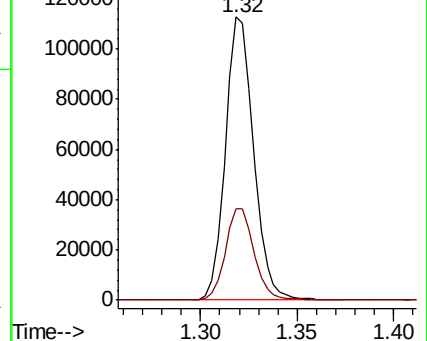
62 100

64 32.5 22.4 41.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 46.658 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018140.D

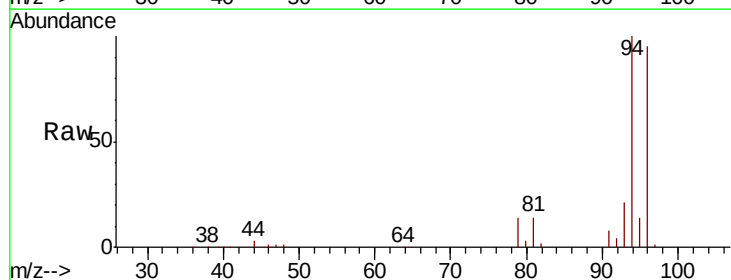
Acq: 01 Sep 2020 11:50

Tgt Ion: 94 Resp: 71243

Ion Ratio Lower Upper

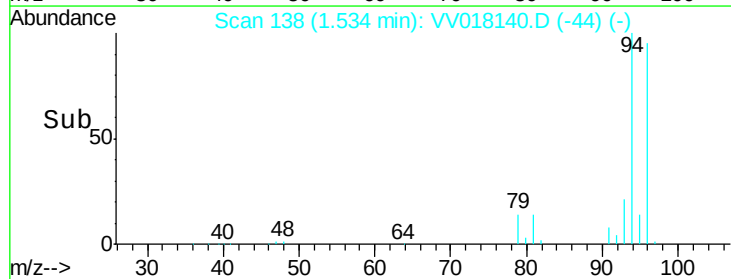
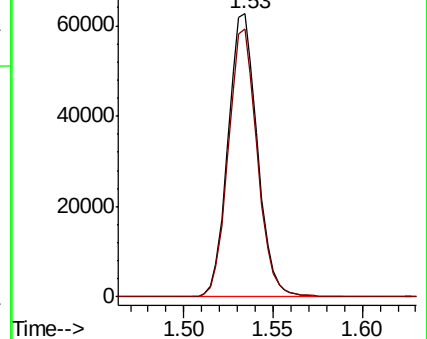
94 100

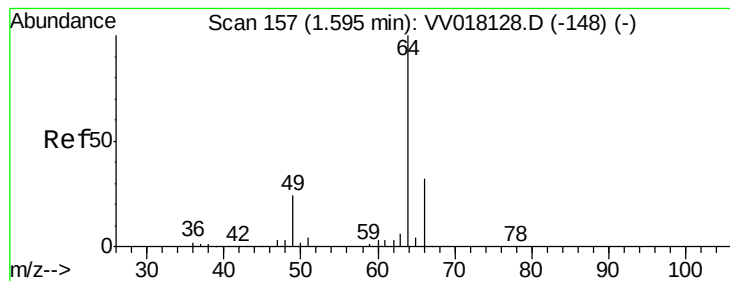
96 94.7 65.5 121.7



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 45.482 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

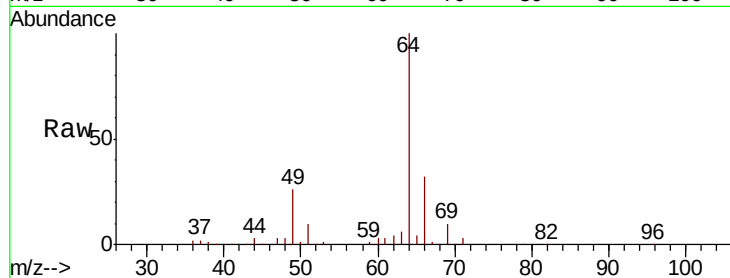
VSTD05091

Tot Ion: 64 Resp: 74165

Ion Ratio Lower Upper

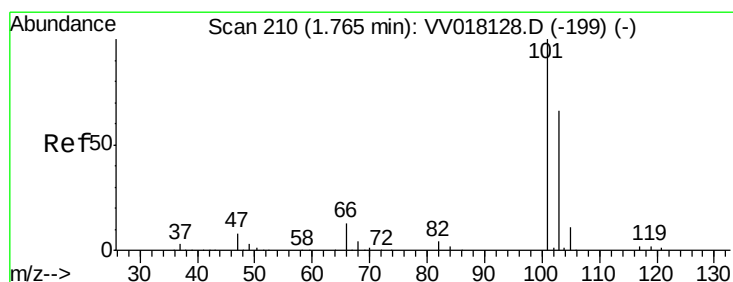
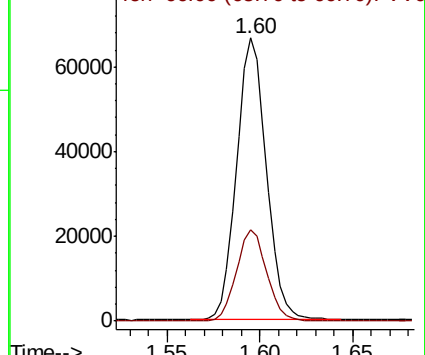
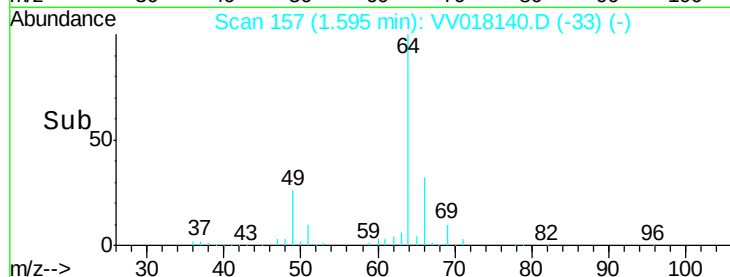
64 100

66 32.3 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV018140.D (-33) (-)

Ion 66.00 (65.70 to 66.70): VV018140.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 46.547 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018140.D

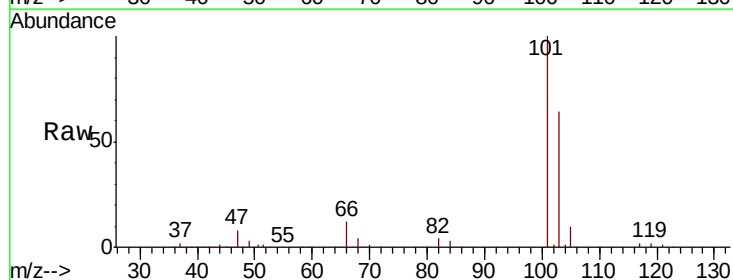
Acq: 01 Sep 2020 11:50

Tgt Ion: 101 Resp: 169869

Ion Ratio Lower Upper

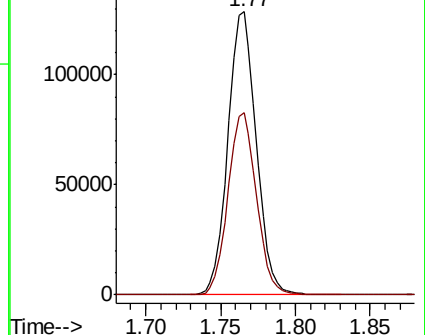
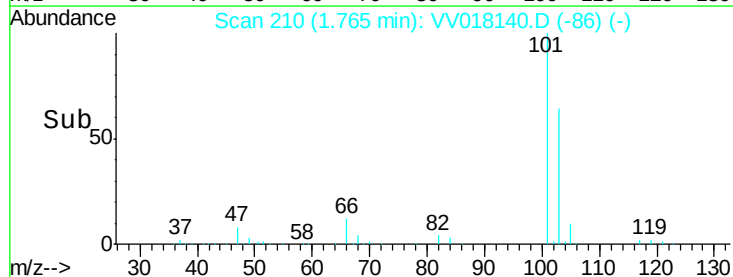
101 100

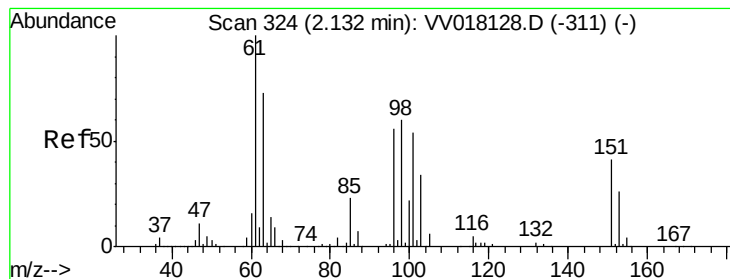
103 64.7 51.5 77.3



Abundance Ion 101.00 (100.70 to 101.70): VV018140.D (-86) (-)

Ion 103.00 (102.70 to 103.70): VV018140.D (-86) (-)





#10

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

Concen: 49.688 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

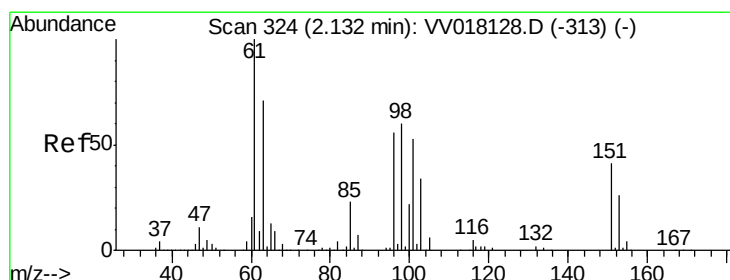
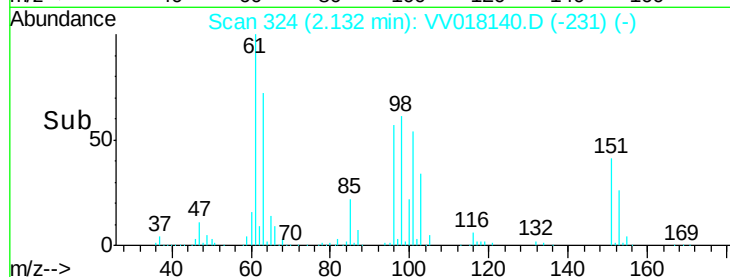
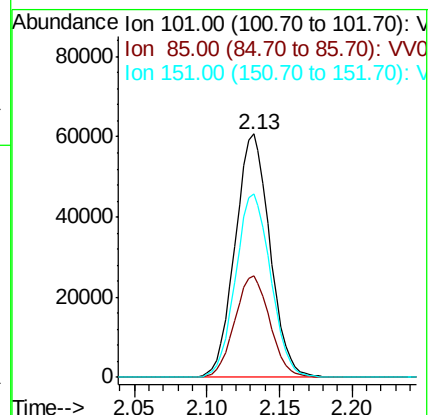
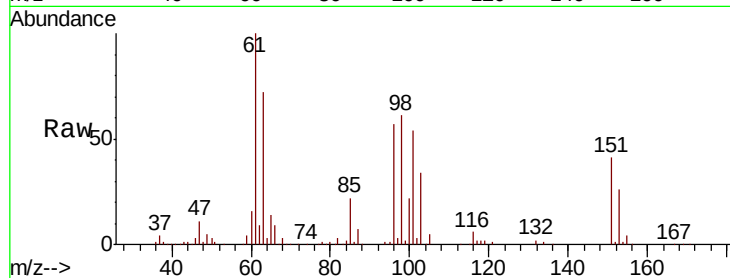
Tot Ion:101 Resp: 101248

Ion Ratio Lower Upper

101 100

85 42.0 34.9 52.3

151 76.4 59.1 88.7



#12

1,1-Dichloroethene

Concen: 47.459 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

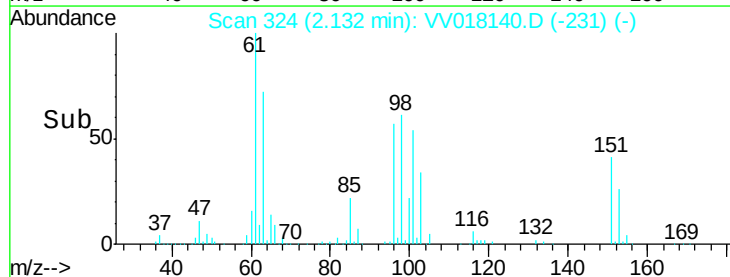
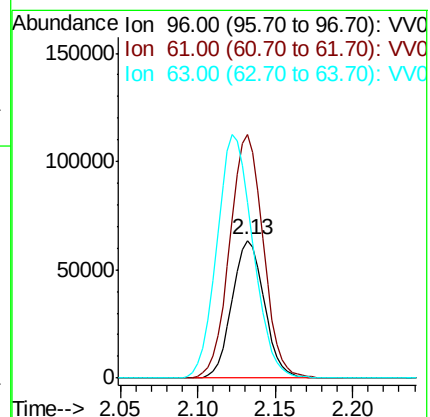
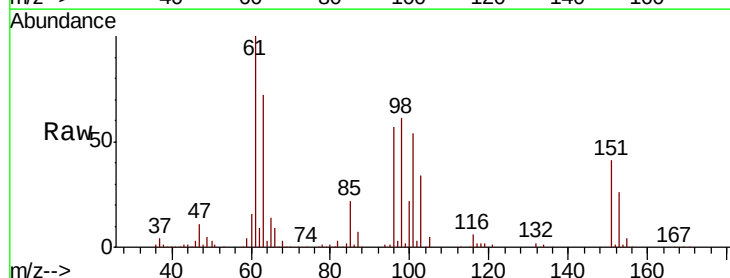
Tgt Ion: 96 Resp: 91533

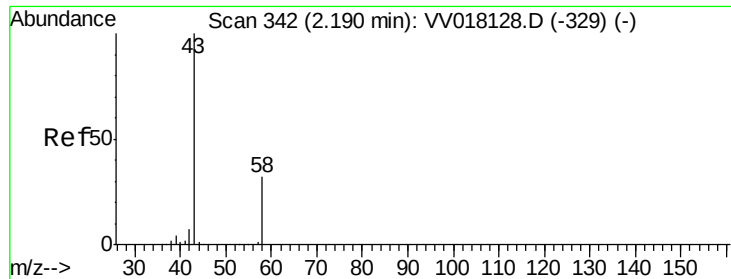
Ion Ratio Lower Upper

96 100

61 176.9 127.1 236.0

63 128.0 95.2 176.8





#13

Acetone

Concen: 114.635 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

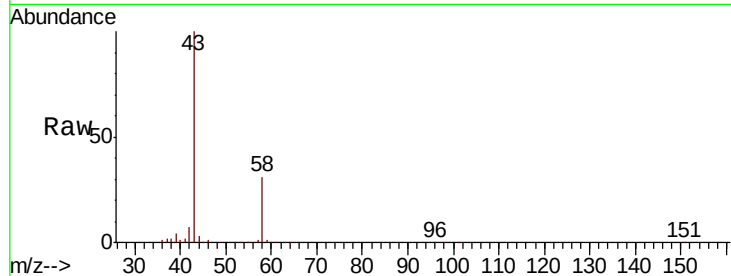
VSTD05091

Tot Ion: 43 Resp: 170126

Ion Ratio Lower Upper

43 100

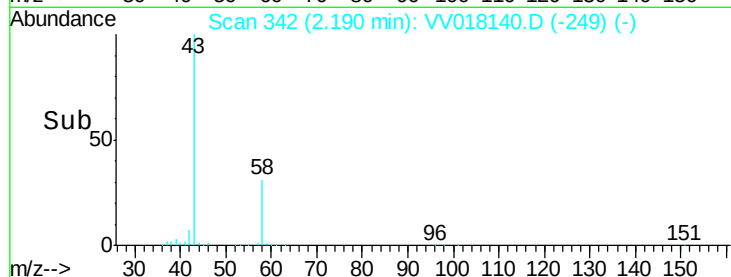
58 32.1 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV018140.D (-249) (-)

Ion 58.00 (57.70 to 58.70): VV018140.D (-249) (-)

Time-->



80000

60000

40000

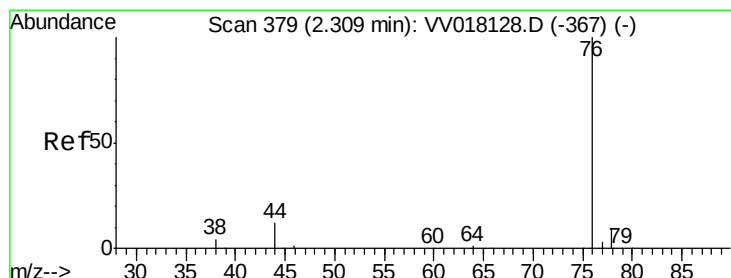
20000

0

2.10

2.20

2.30



#14

Carbon disulfide

Concen: 45.319 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018140.D

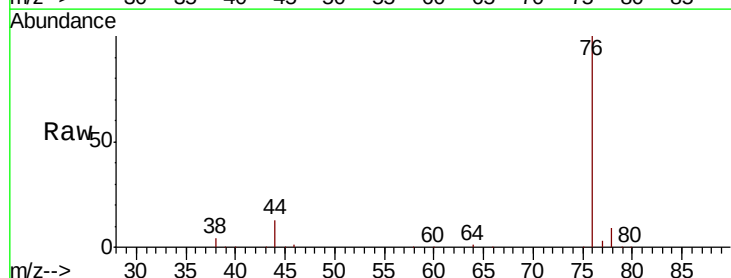
Acq: 01 Sep 2020 11:50

Tgt Ion: 76 Resp: 240568

Ion Ratio Lower Upper

76 100

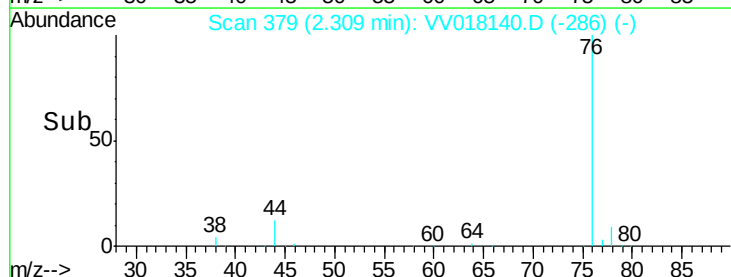
78 9.0 7.4 11.2



Abundance Ion 76.00 (75.70 to 76.70): VV018140.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018140.D (-286) (-)

Time-->



150000

100000

50000

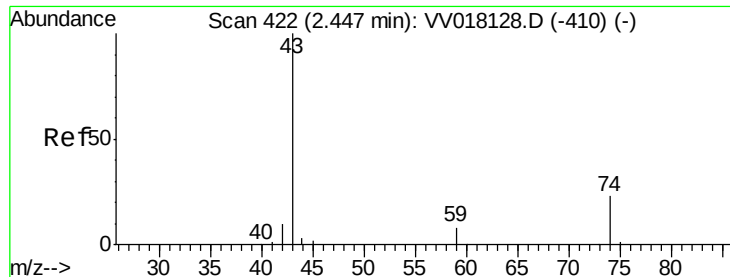
0

2.25

2.30

2.35

2.40



#15

Methvl Acetate

Concen: 43.900 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

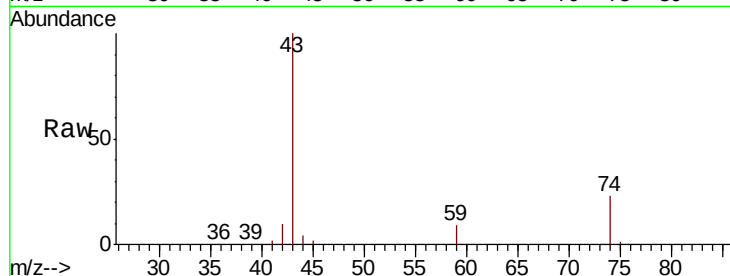
VSTD05091

Tot Ion: 43 Resp: 105139

Ion Ratio Lower Upper

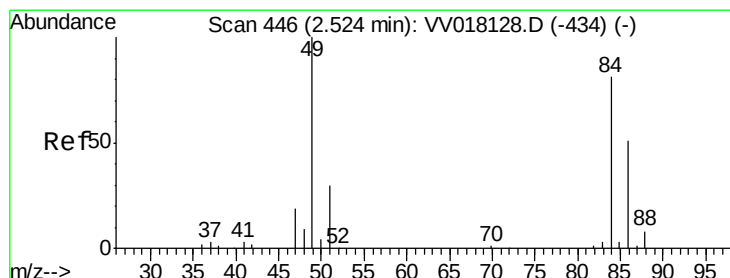
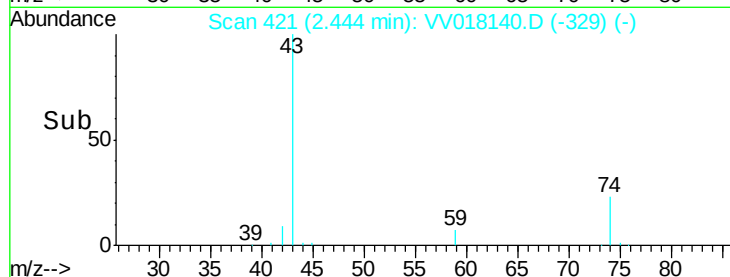
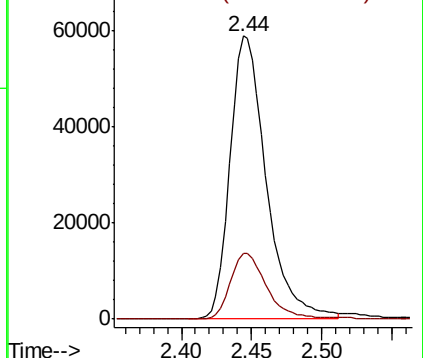
43 100

74 23.4 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0



#16

Methylene chloride

Concen: 44.792 ug/L

RT: 2.52 min Scan# 445

Delta R.T. -0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

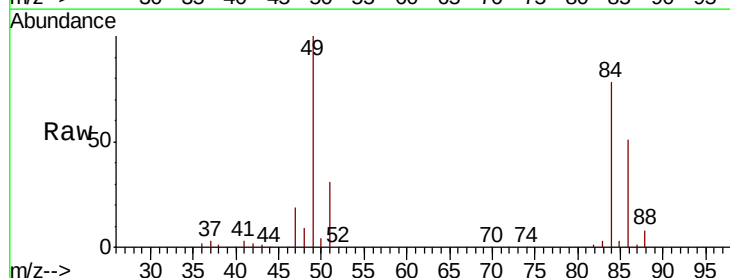
Tgt Ion: 84 Resp: 110060

Ion Ratio Lower Upper

84 100

86 65.6 46.3 85.9

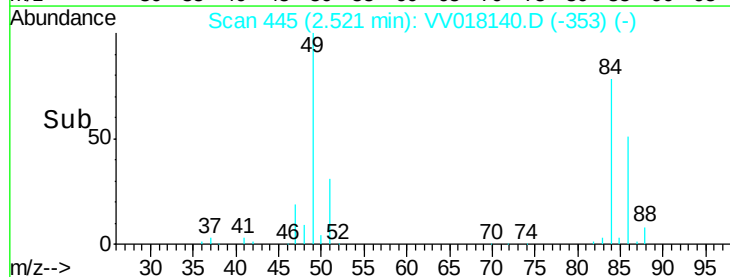
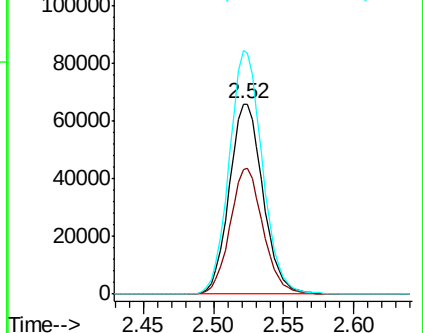
49 127.8 89.7 166.5

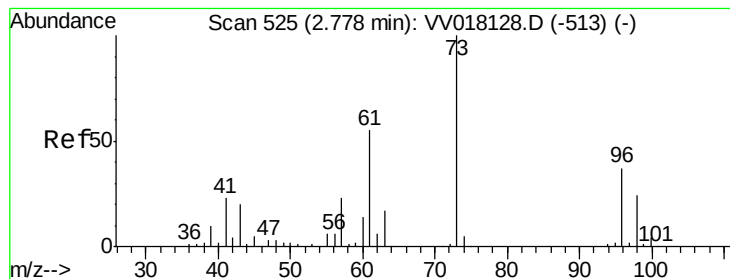


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0





#17

trans-1,2-Dichloroethene

Concen: 47.837 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

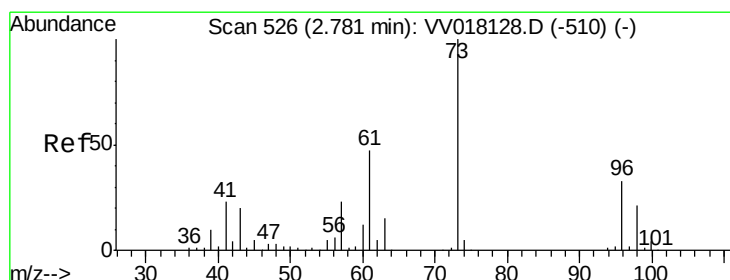
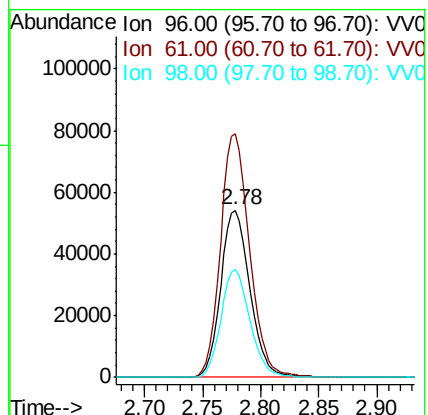
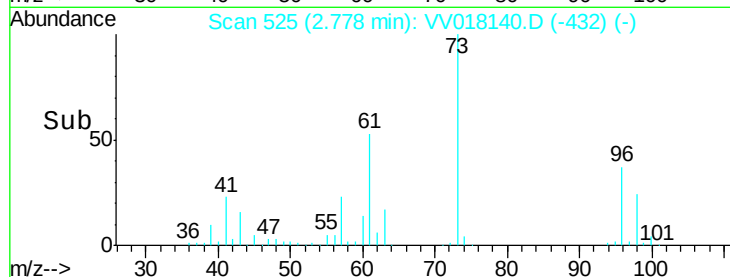
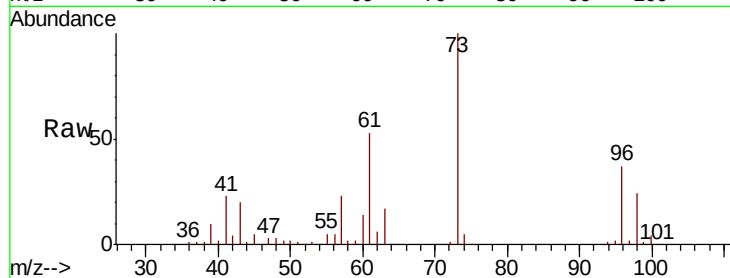
Tot Ion: 96 Resp: 94840

Ion Ratio Lower Upper

96 100

61 145.7 102.4 190.2

98 64.2 44.4 82.5



#18

Methyl tert-butyl Ether

Concen: 49.345 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

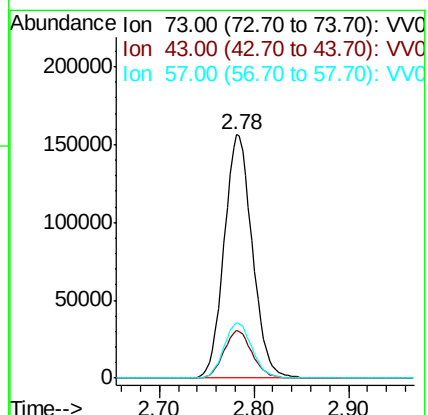
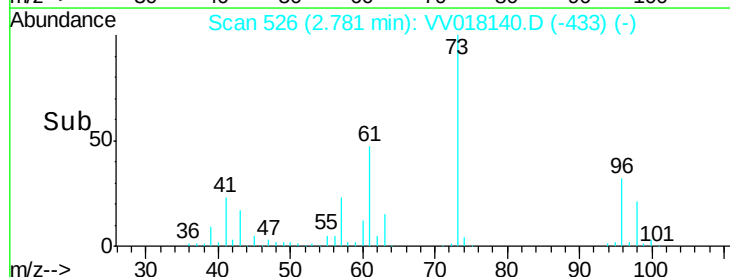
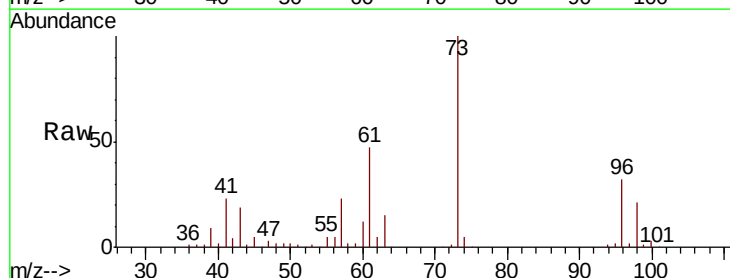
Tgt Ion: 73 Resp: 323537

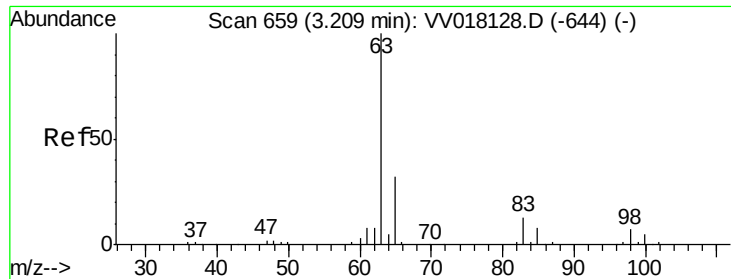
Ion Ratio Lower Upper

73 100

43 19.4 15.9 23.9

57 22.7 18.1 27.1

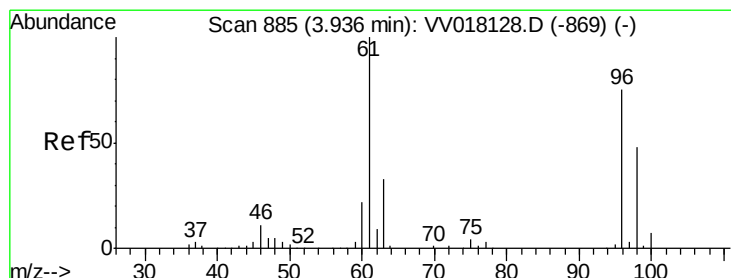
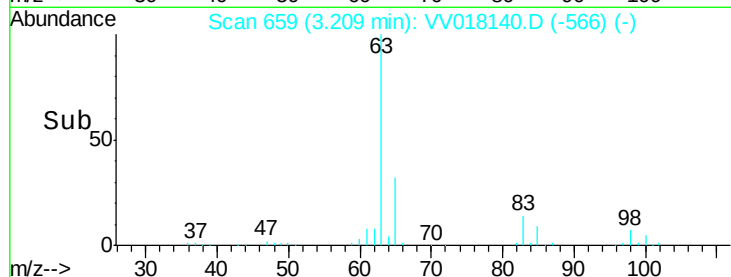
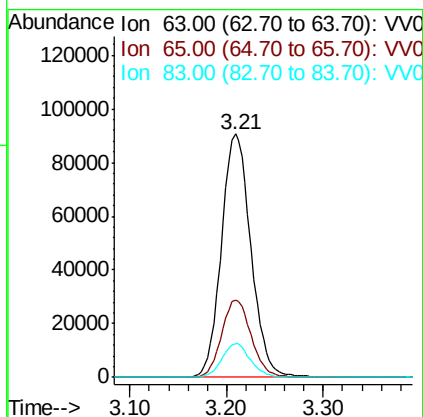
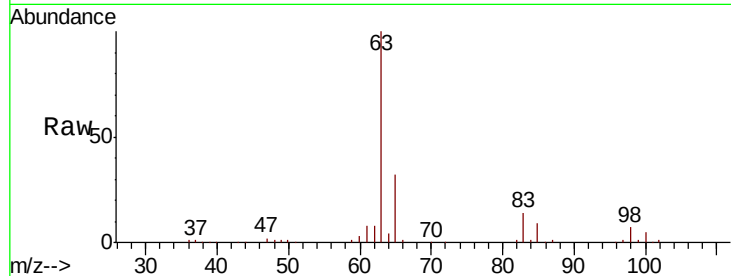




#19
 1,1-Dichloroethane
 Concen: 48.205 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

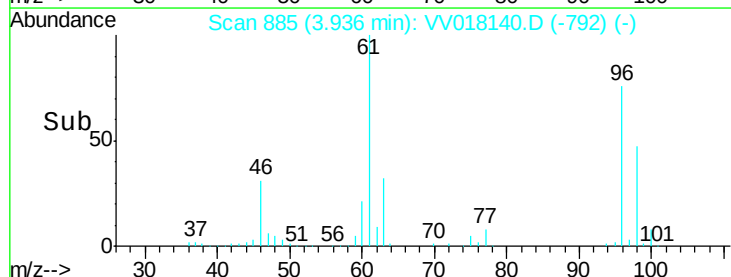
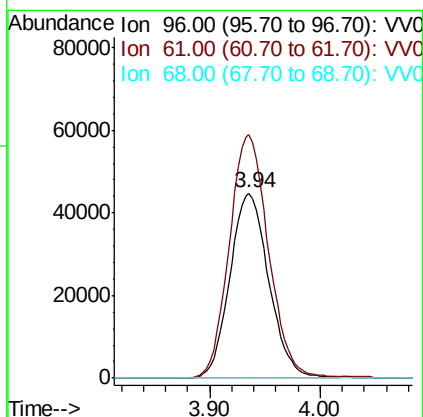
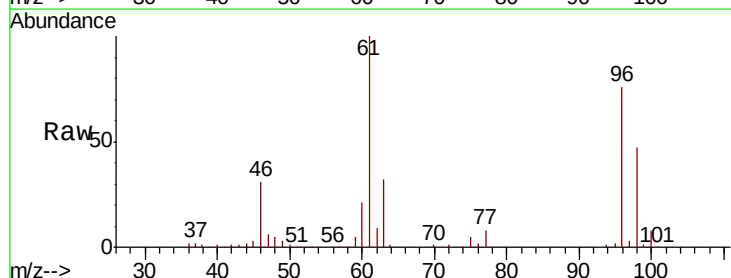
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05091

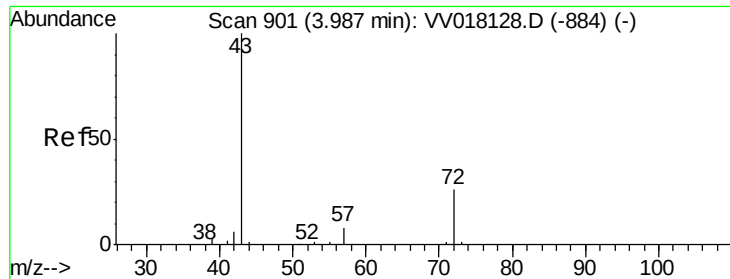
Tot Ion: 63 Resp: 192167
 Ion Ratio Lower Upper
 63 100
 65 31.8 22.5 41.7
 83 14.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.244 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

Tgt Ion: 96 Resp: 109464
 Ion Ratio Lower Upper
 96 100
 61 131.7 95.0 176.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 108.266 ug/L

RT: 3.99 min Scan# 901

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampled :

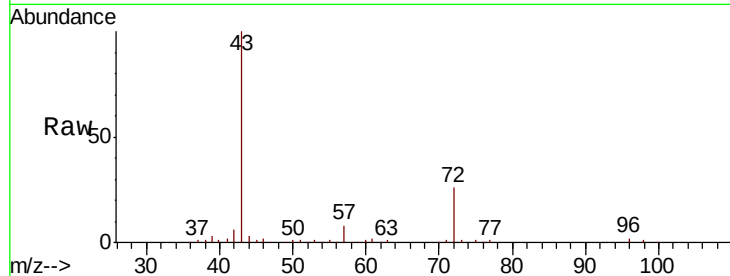
VSTD05091

Tot Ion: 43 Resp: 180250

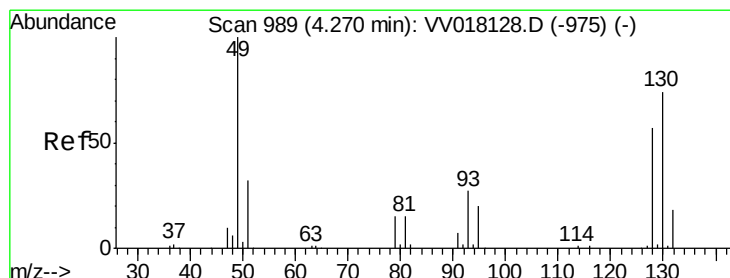
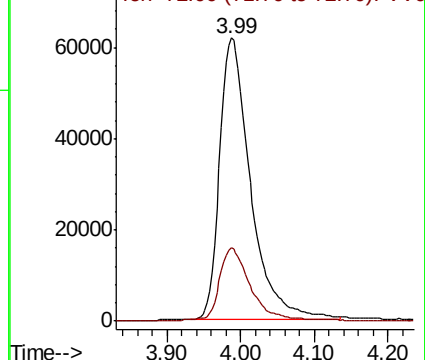
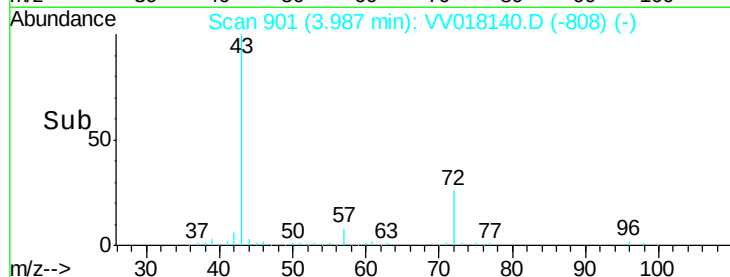
Ion Ratio Lower Upper

43 100

72 26.3 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV018140.D (-808) (-)



#23

Bromochloromethane

Concen: 49.494 ug/L

RT: 4.27 min Scan# 989

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Tgt Ion: 128 Resp: 56331

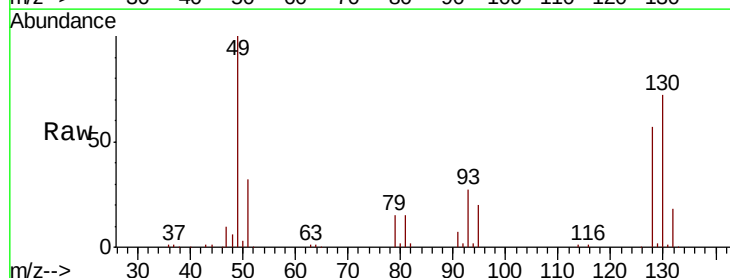
Ion Ratio Lower Upper

128 100

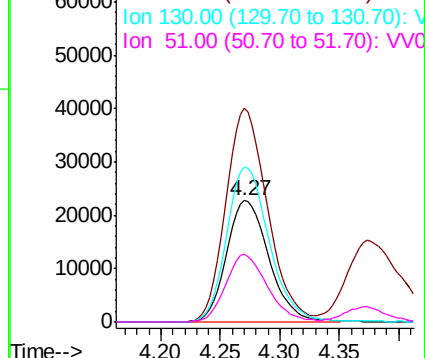
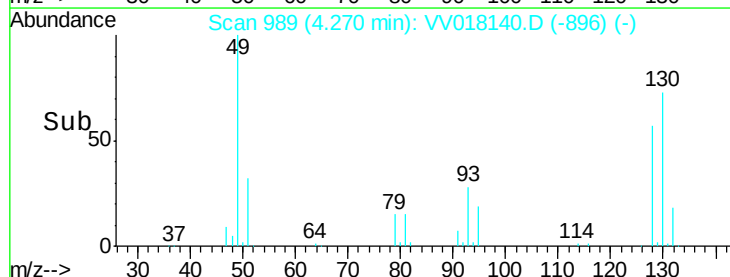
49 176.1 125.6 233.3

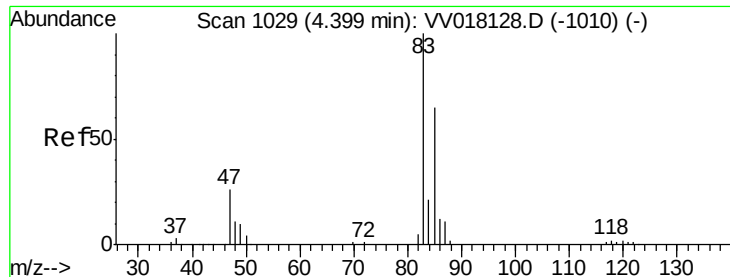
130 127.4 89.9 167.0

51 55.8 45.8 68.6



Abundance Ion 128.00 (127.70 to 128.70): VV018140.D (-896) (-)

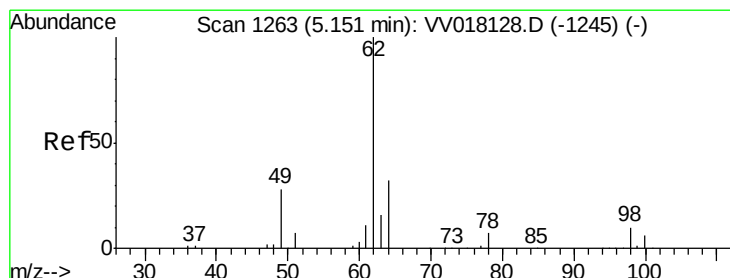
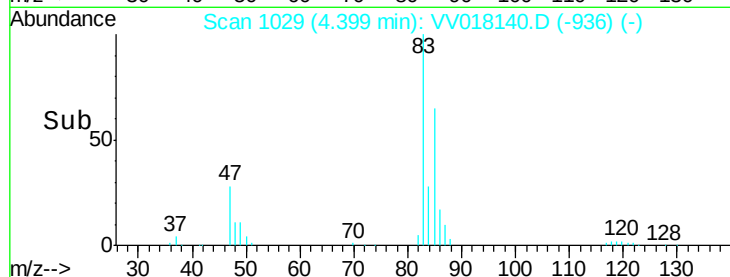
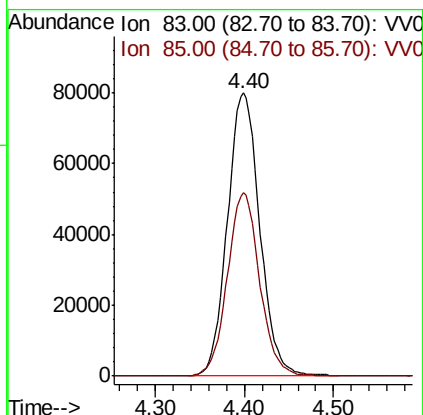
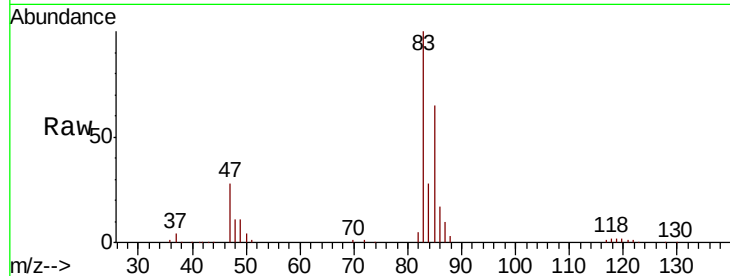




#25
Chloroform
Concen: 49.420 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

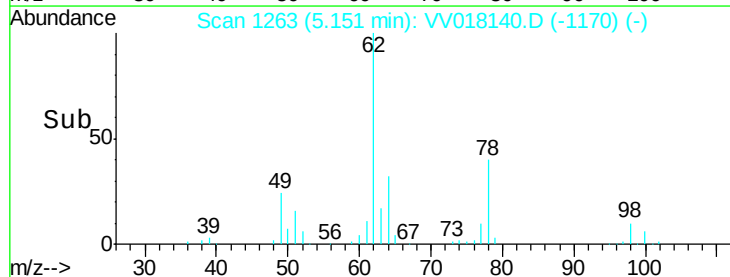
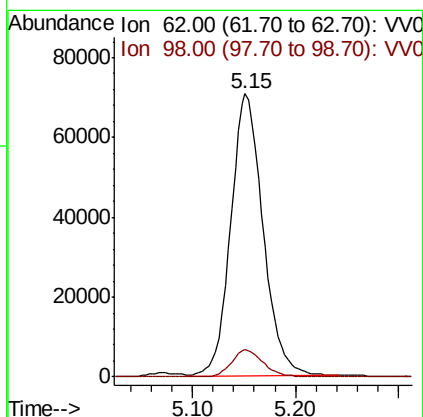
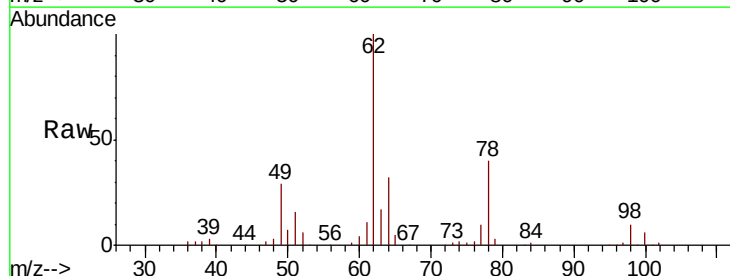
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

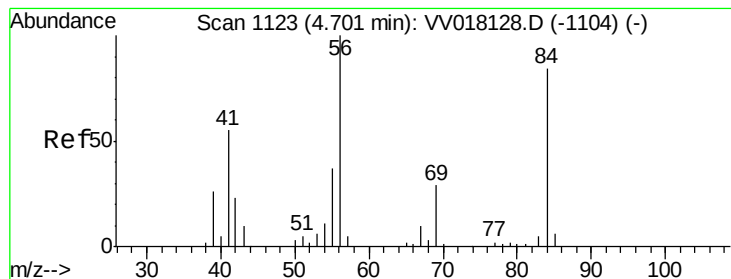
Tot Ion: 83 Resp: 200944
Ion Ratio Lower Upper
83 100
85 64.9 45.5 84.5



#27
1,2-Dichloroethane
Concen: 47.869 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

Tgt Ion: 62 Resp: 154922
Ion Ratio Lower Upper
62 100
98 9.6 7.1 10.7





#29

Cyclohexane

Concen: 46.493 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

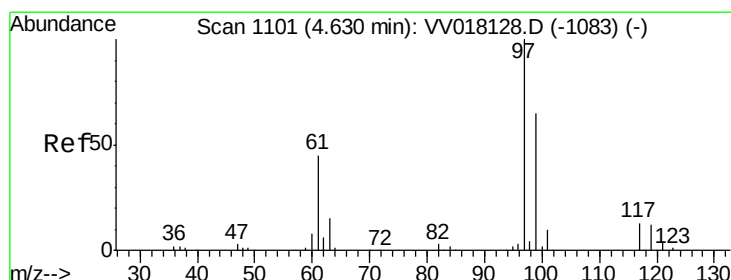
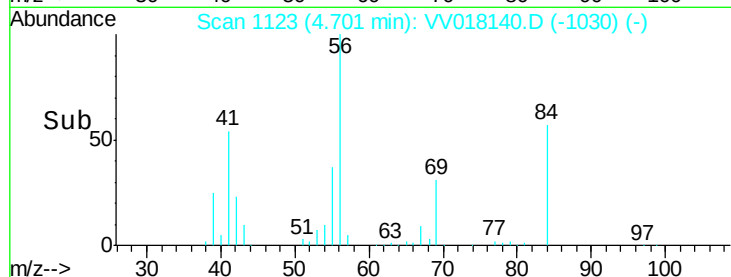
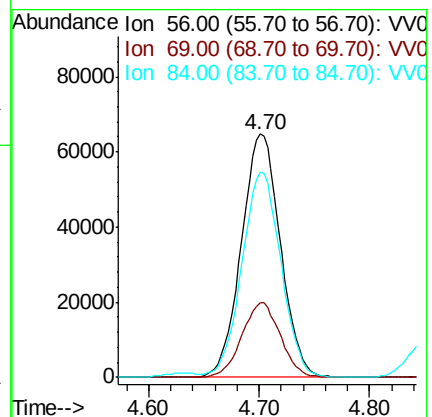
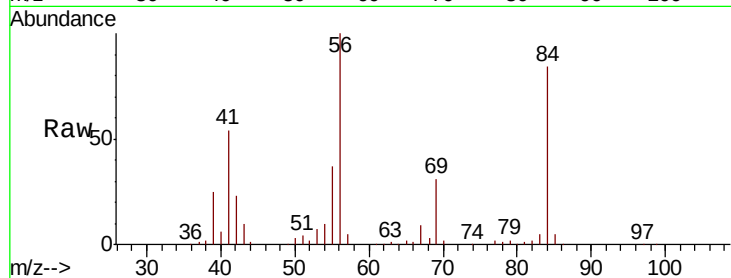
Tot Ion: 56 Resp: 158683

Ion Ratio Lower Upper

56 100

69 30.3 23.8 35.8

84 84.7 66.8 100.2



#30

1,1,1-Trichloroethane

Concen: 48.760 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

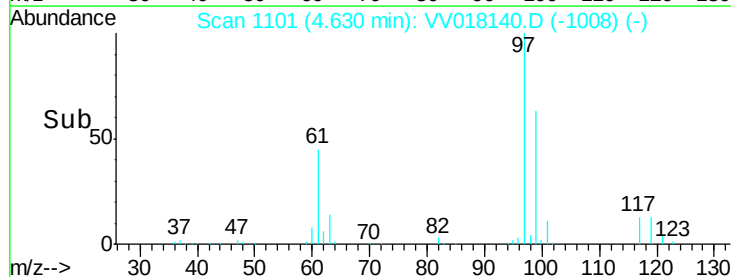
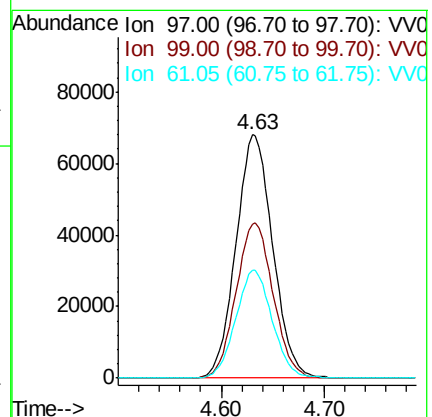
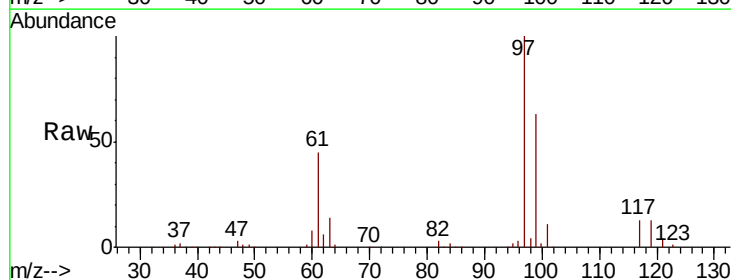
Tgt Ion: 97 Resp: 168973

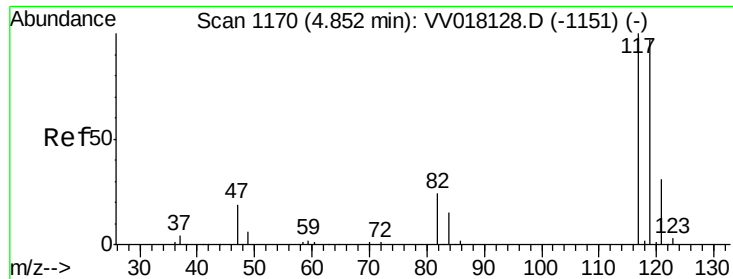
Ion Ratio Lower Upper

97 100

99 64.3 50.6 76.0

61 44.1 37.0 55.6

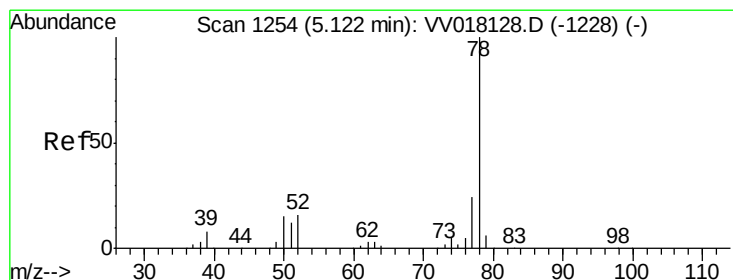
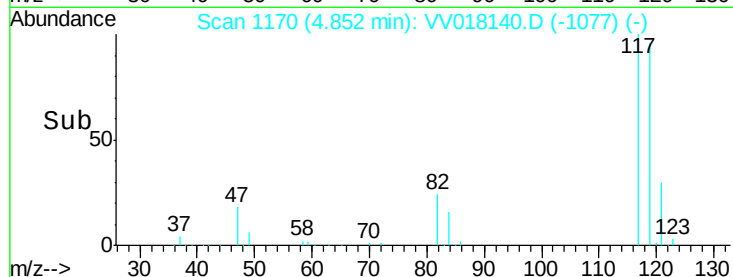
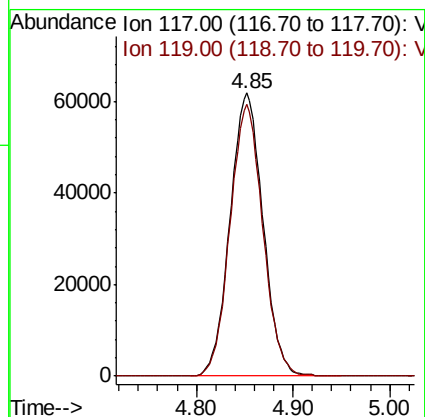
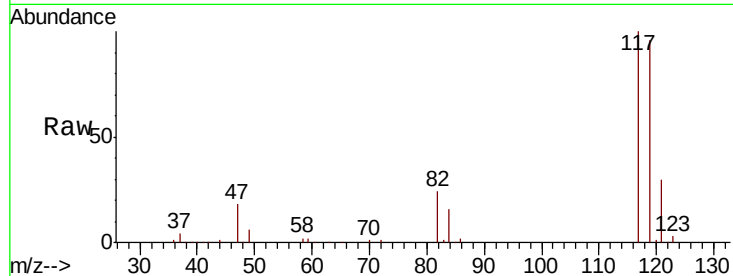




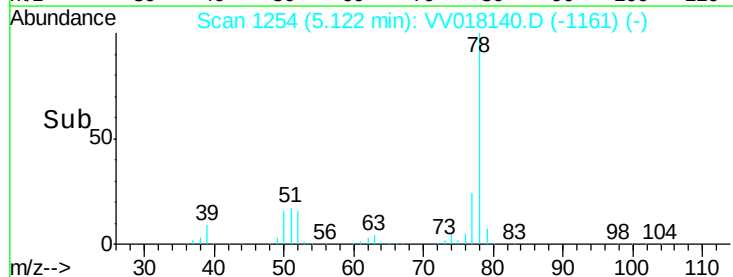
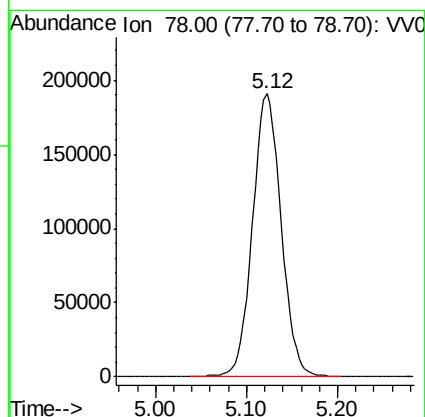
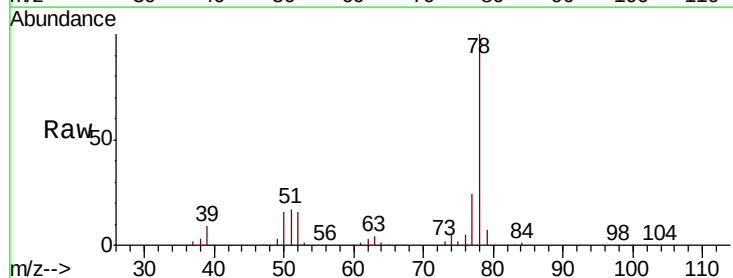
#31
Carbon tetrachloride
Concen: 50.694 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

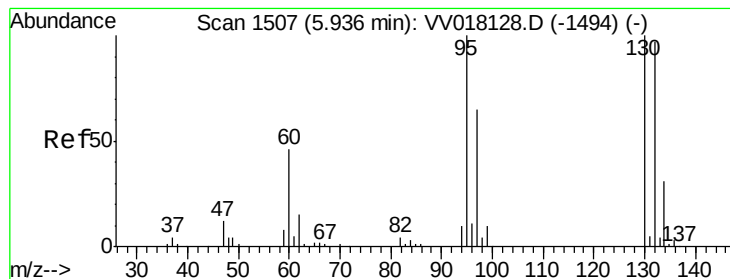
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

Tot Ion:117 Resp: 146246
Ion Ratio Lower Upper
117 100
119 95.5 77.0 115.6



#33
Benzene
Concen: 47.751 ug/L
RT: 5.12 min Scan# 1254
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50
Tgt Ion: 78 Resp: 417772





#34

Trichloroethene

Concen: 47.337 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

Tot Ion: 95 Resp: 109472

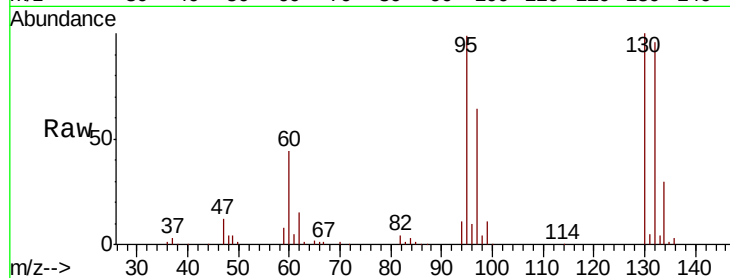
Ion Ratio Lower Upper

95 100

97 64.1 46.0 85.4

132 97.1 65.8 122.2

130 100.9 69.2 128.6

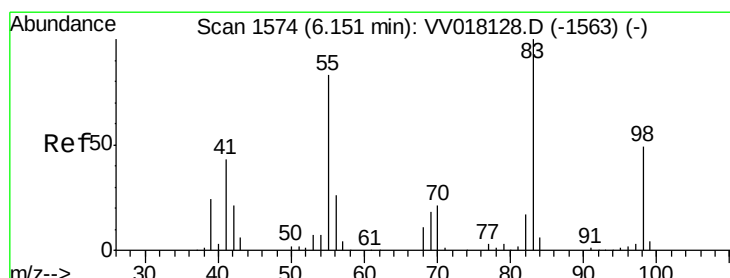
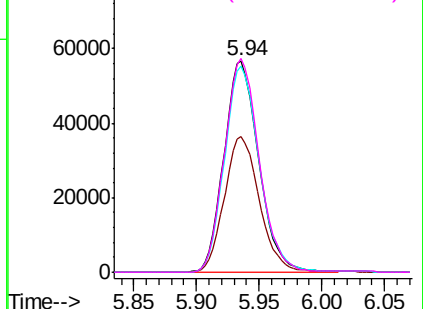
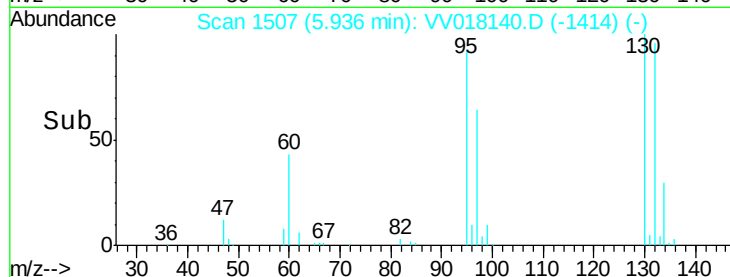


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.099 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

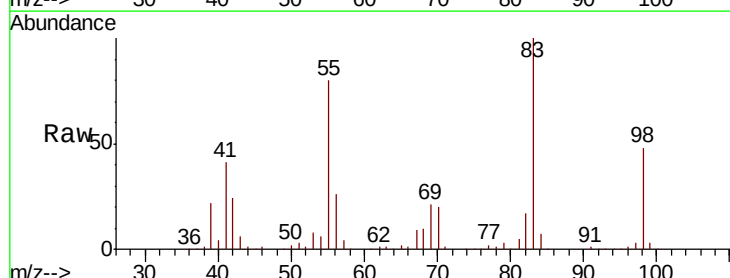
Tgt Ion: 83 Resp: 161964

Ion Ratio Lower Upper

83 100

55 80.8 64.9 97.3

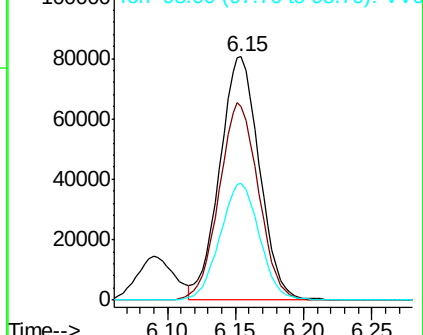
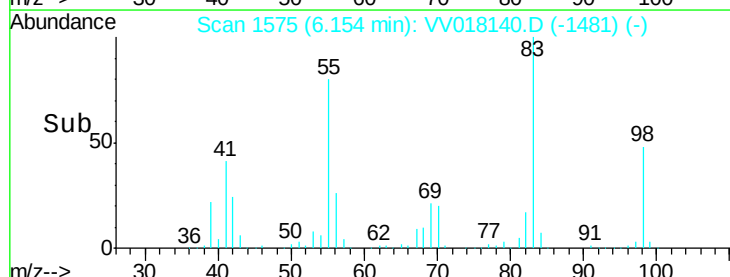
98 48.0 38.7 58.1

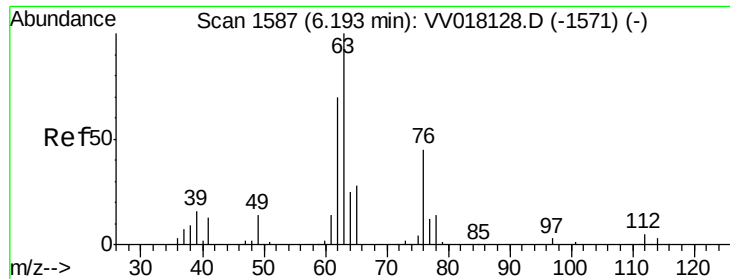


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

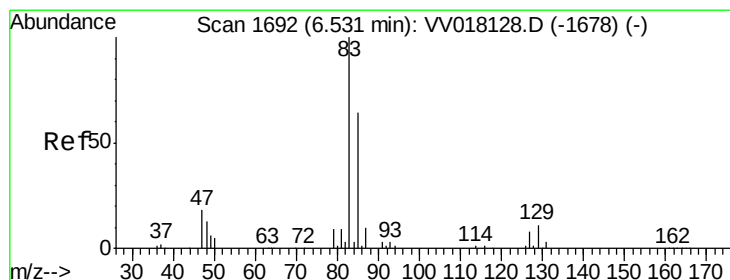
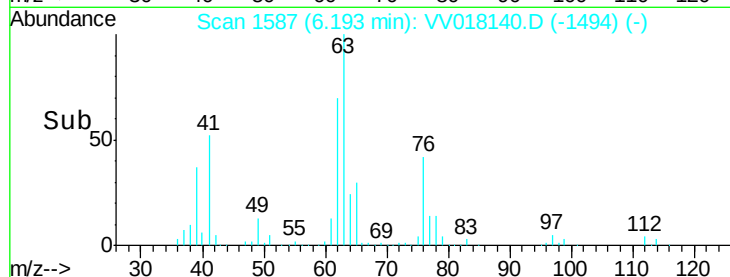
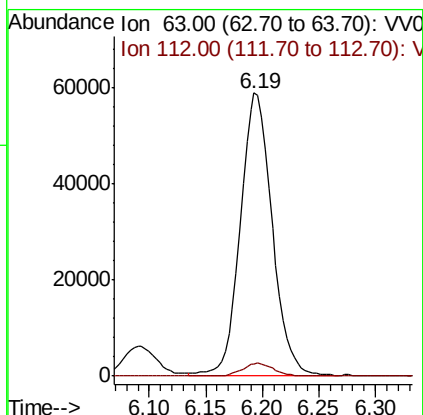
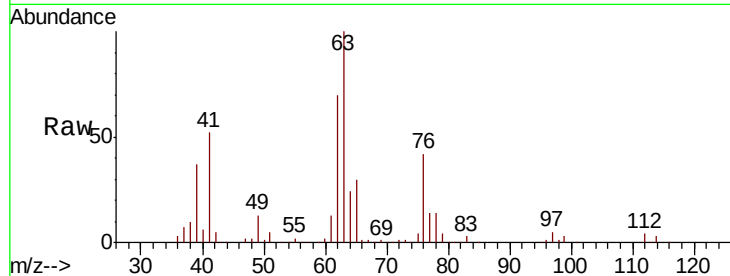




#37
 1,2-Dichloropropane
 Concen: 48.037 ug/L
 RT: 6.19 min Scan# 1587
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

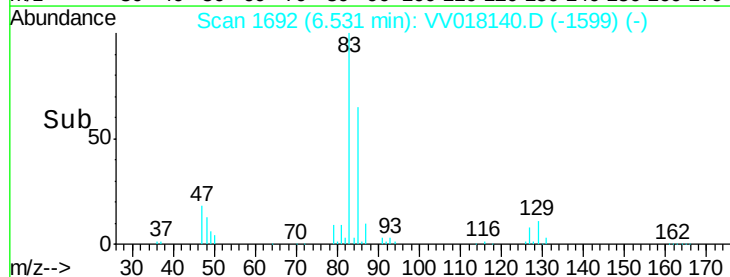
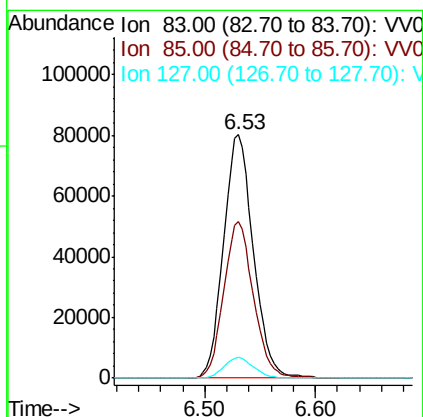
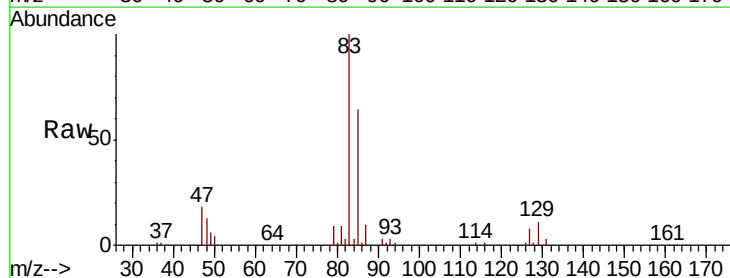
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

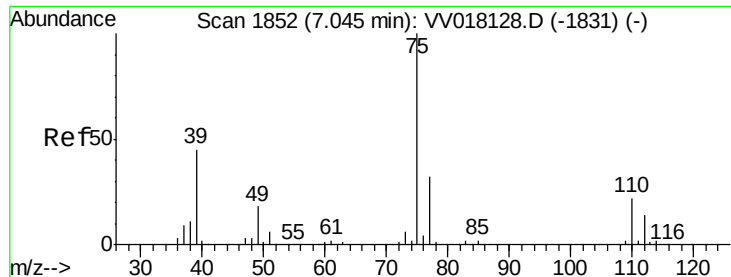
Tot Ion: 63 Resp: 114616
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.5 5.3



#38
 Bromodichloromethane
 Concen: 50.738 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

Tgt Ion: 83 Resp: 150369
 Ion Ratio Lower Upper
 83 100
 85 64.4 44.3 82.3
 127 8.4 6.5 9.7

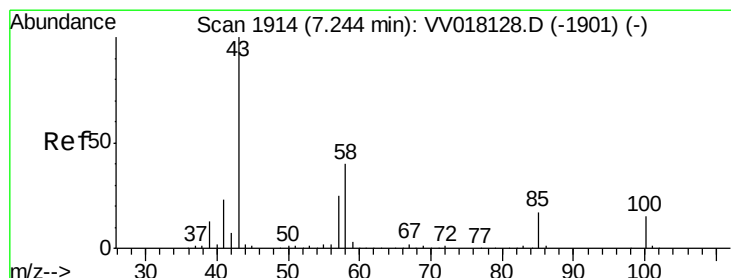
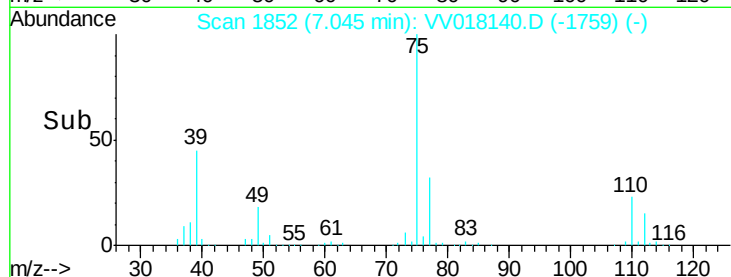
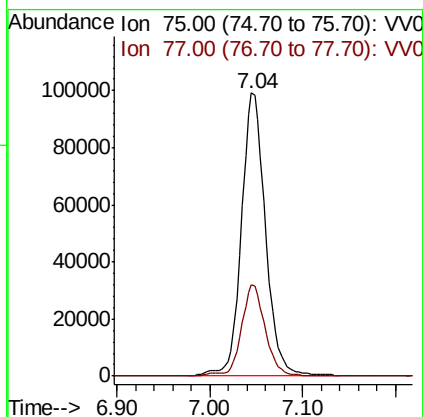
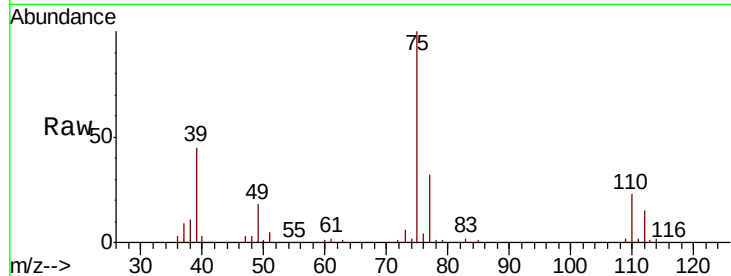




#39
 cis-1,3-Dichloropropene
 Concen: 53.051 ug/L
 RT: 7.04 min Scan# 1852
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

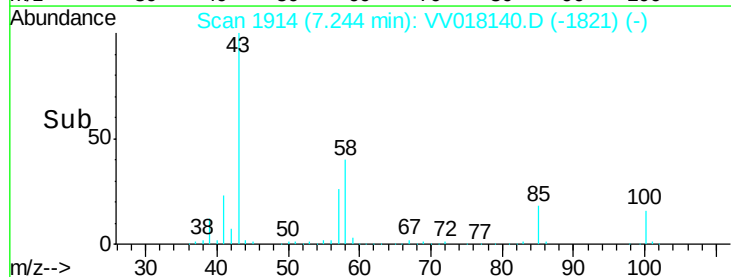
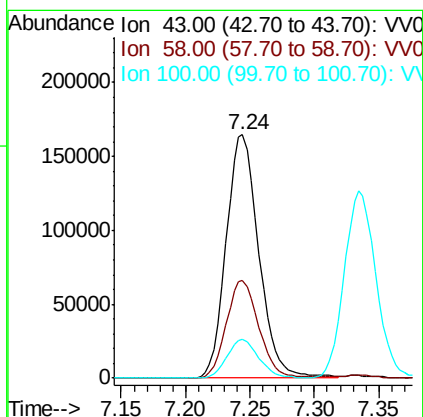
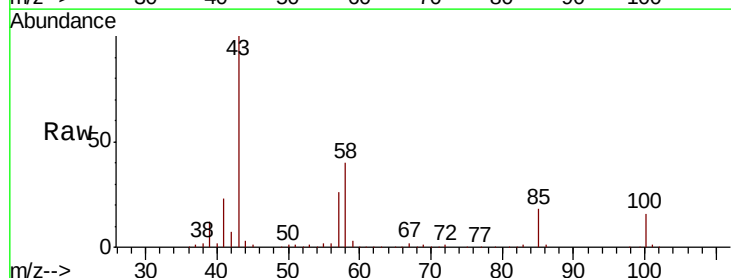
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05091

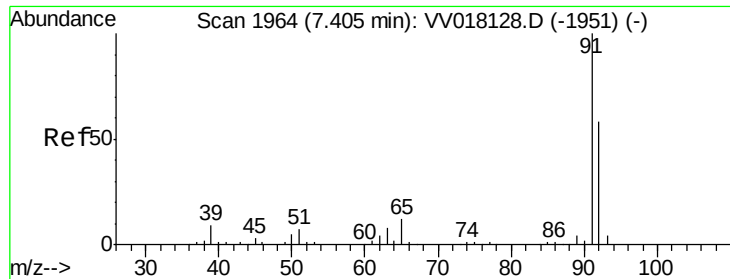
Tot Ion: 75 Resp: 179442
 Ion Ratio Lower Upper
 75 100
 77 32.5 22.3 41.5



#40
 4-Methyl-2-pentanone
 Concen: 92.948 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

Tgt Ion: 43 Resp: 289911
 Ion Ratio Lower Upper
 43 100
 58 39.9 31.9 47.9
 100 15.5 12.2 18.2





#42

Toluene

Concen: 49.204 ug/L

RT: 7.41 min Scan# 1964

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

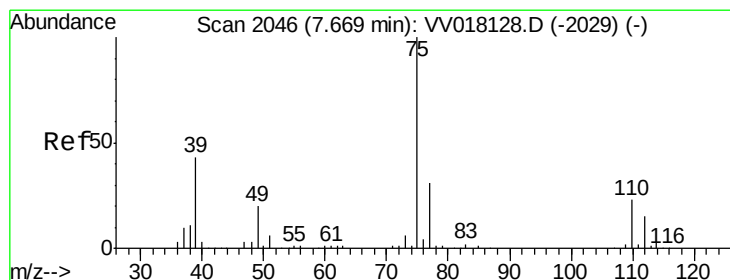
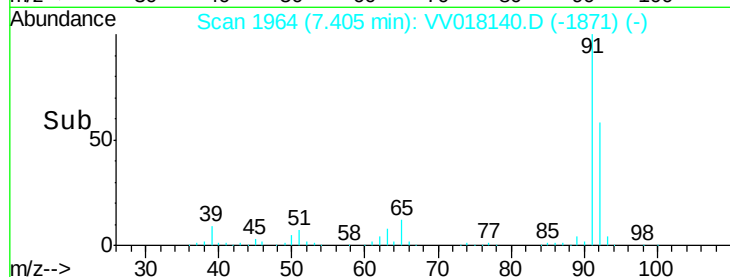
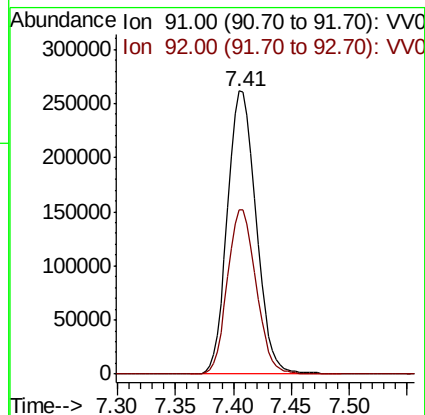
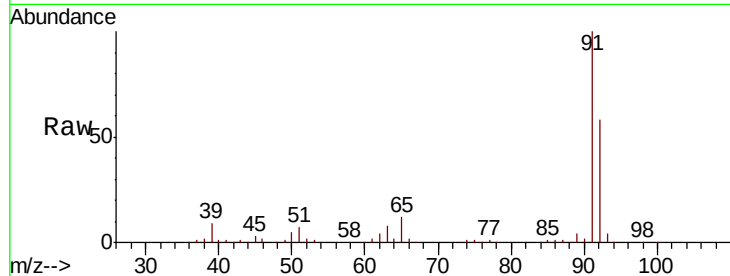
VSTD05091

Tot Ion: 91 Resp: 449213

Ion Ratio Lower Upper

91 100

92 57.9 40.6 75.4



#44

trans-1,3-Dichloropropene

Concen: 54.233 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018140.D

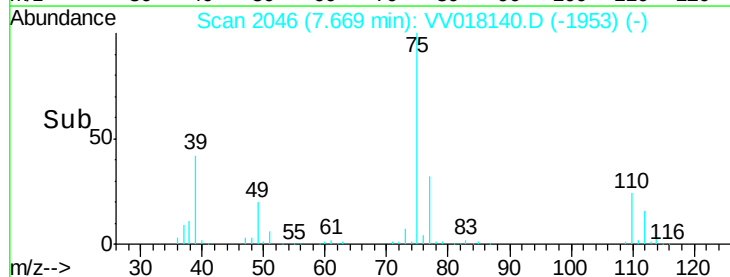
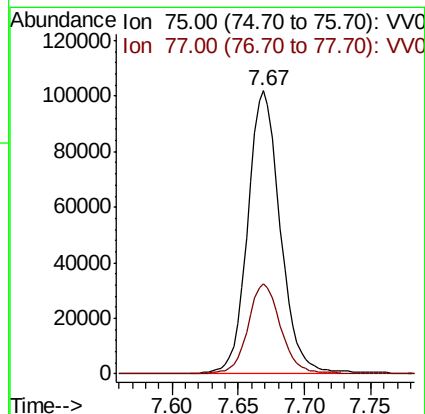
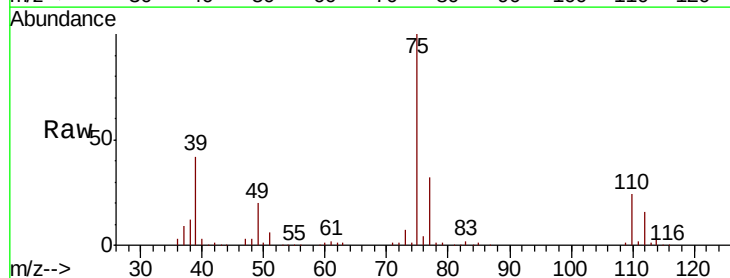
Acq: 01 Sep 2020 11:50

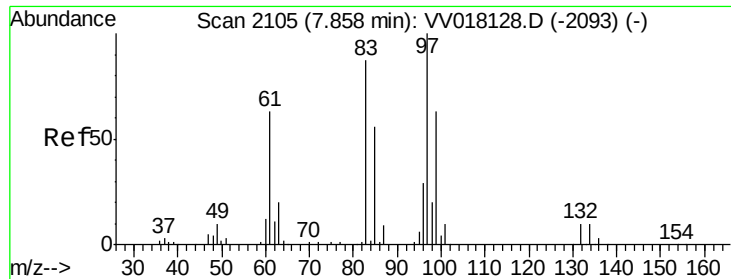
Tgt Ion: 75 Resp: 174047

Ion Ratio Lower Upper

75 100

77 31.9 22.3 41.5

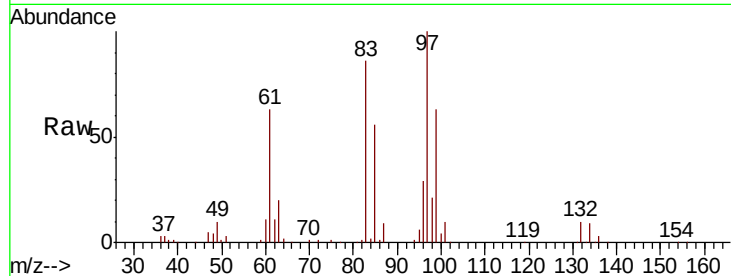




#45
 1,1,2-Trichloroethane
 Concen: 48.660 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

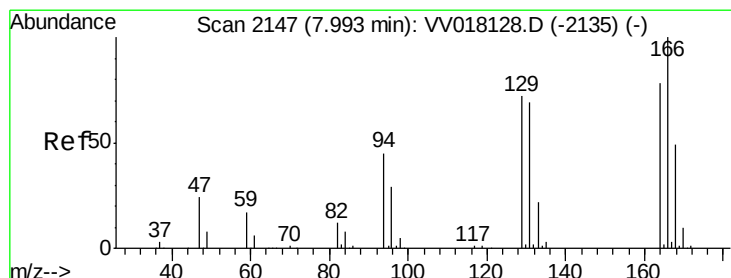
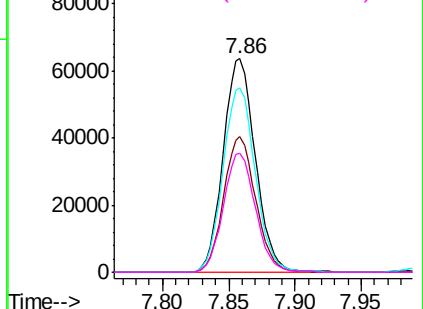
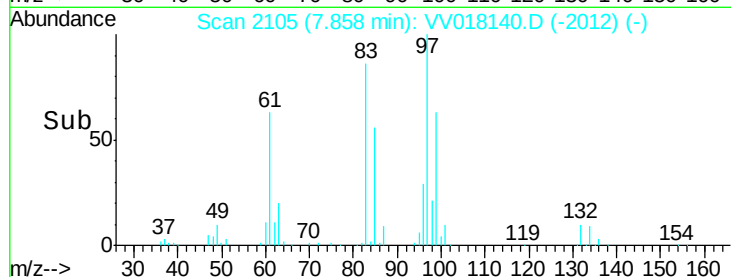
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Tot Ion:	97	Resp:	107520
Ion	Ratio	Lower	Upper
97	100		
99	63.4	44.2	82.2
83	86.5	61.0	113.4
85	56.0	39.5	73.4



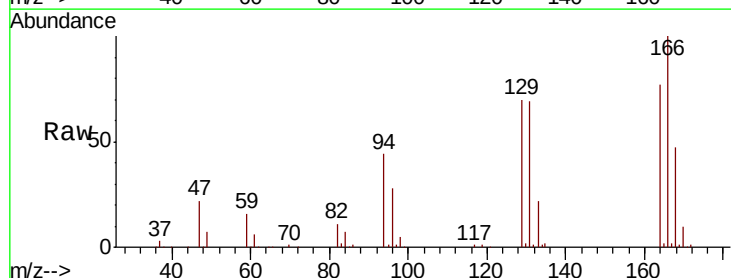
Abundance

Ion 97.00 (96.70 to 97.70): VV018140.D (-2012) (-)



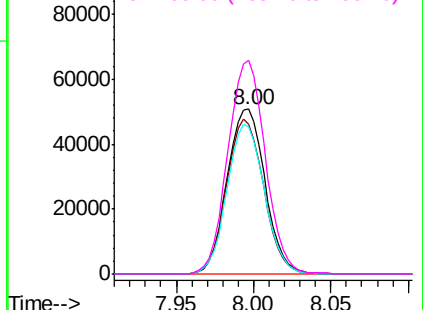
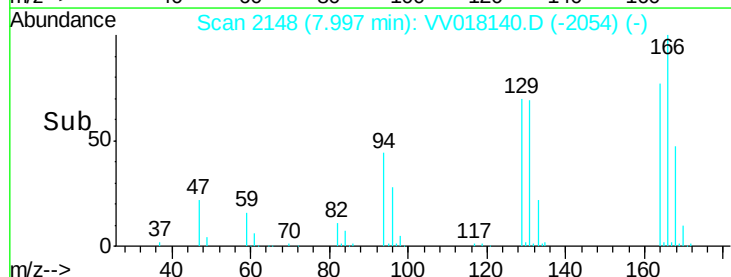
#46
 Tetrachloroethene
 Concen: 51.116 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

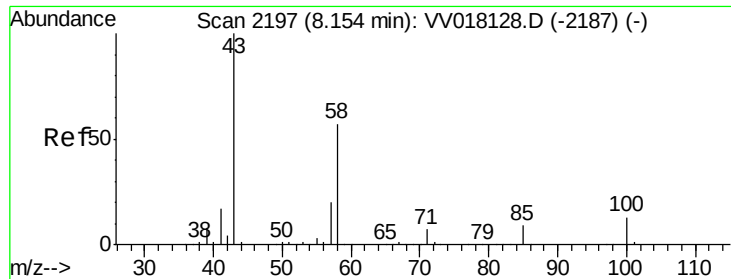
Tgt Ion:	164	Resp:	86696
Ion	Ratio	Lower	Upper
164	100		
129	91.1	64.8	120.3
131	89.6	64.5	119.9
166	129.6	88.9	165.1



Abundance

Ion 164.00 (163.70 to 164.70): VV018140.D (-2054) (-)

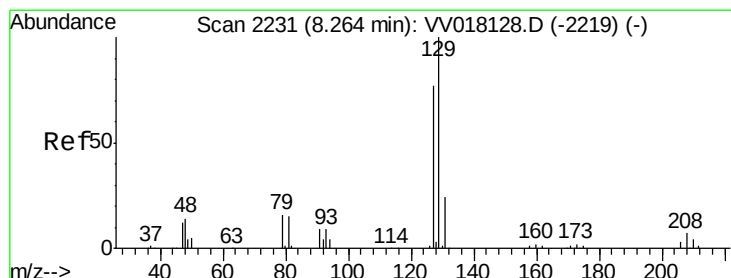
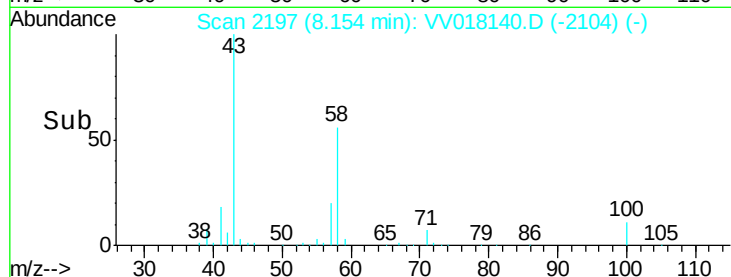
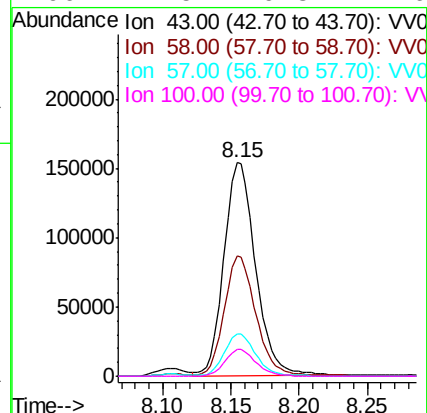
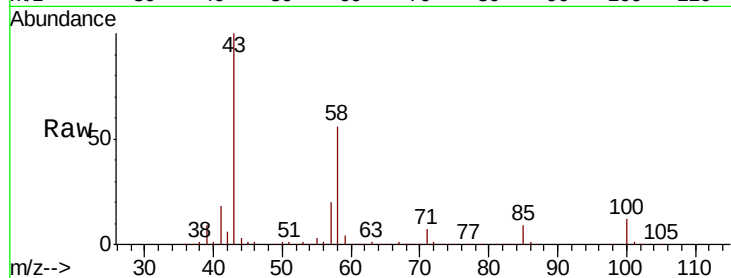




#48
2-Hexanone
Concen: 98.086 ug/L
RT: 8.15 min Scan# 2197
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

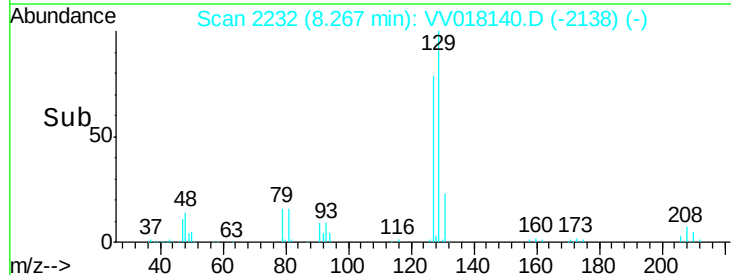
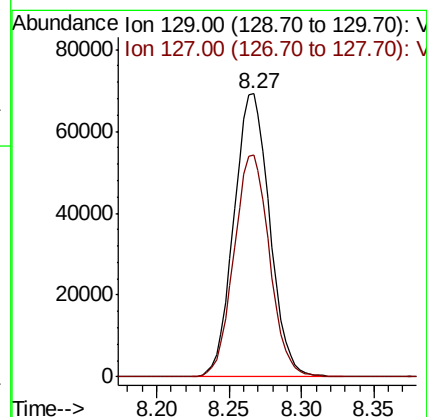
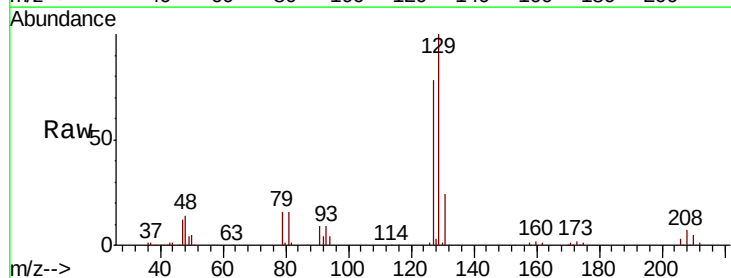
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

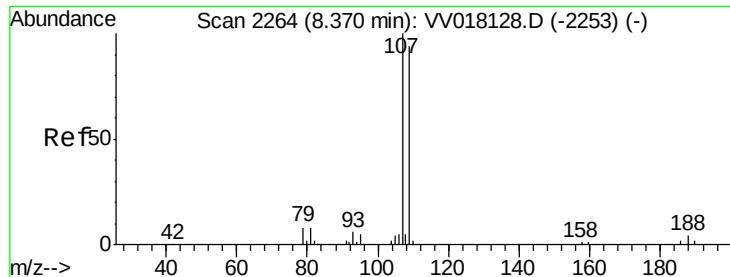
Tot Ion: 43 Resp: 246705
Ion Ratio Lower Upper
43 100
58 55.6 44.4 66.6
57 19.6 15.2 22.8
100 12.5 9.8 14.6



#49
Dibromochloromethane
Concen: 55.077 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

Tgt Ion: 129 Resp: 118788
Ion Ratio Lower Upper
129 100
127 78.5 54.9 101.9

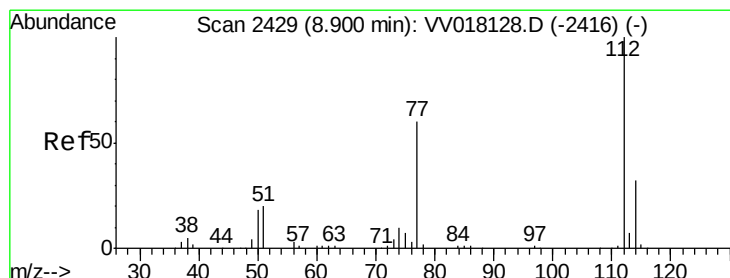
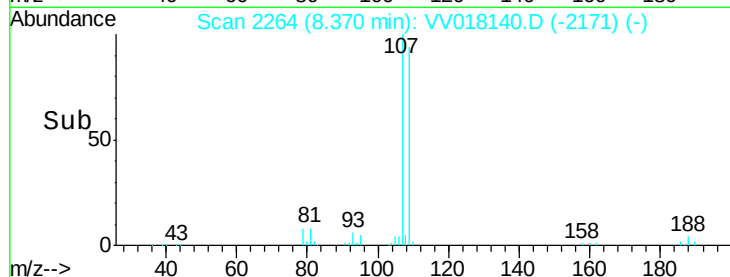
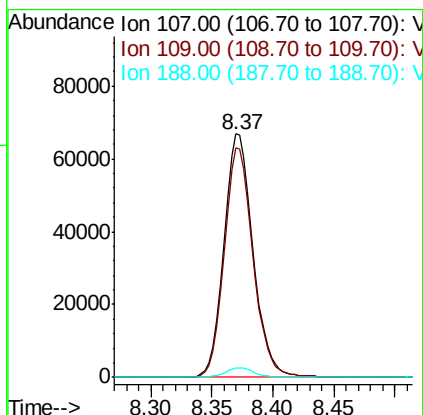
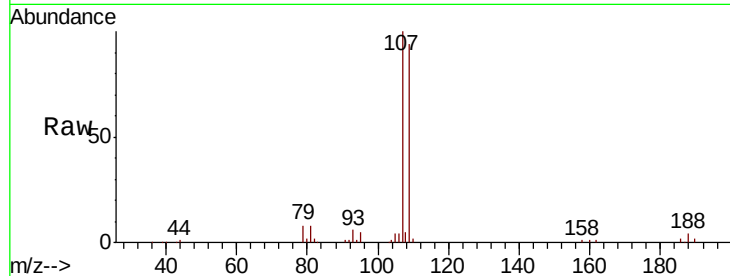




#50
1,2-Dibromoethane
Concen: 48.936 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

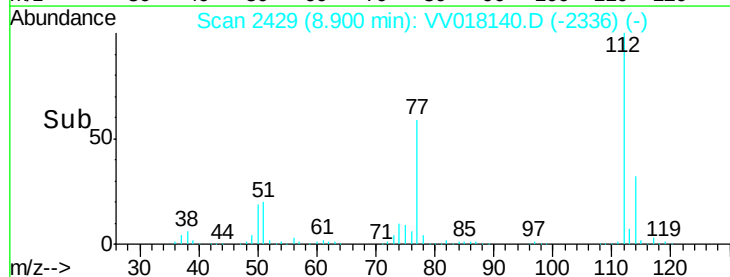
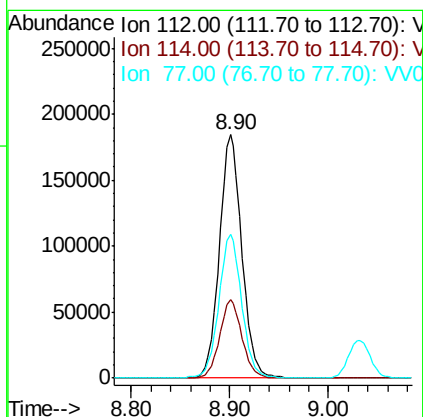
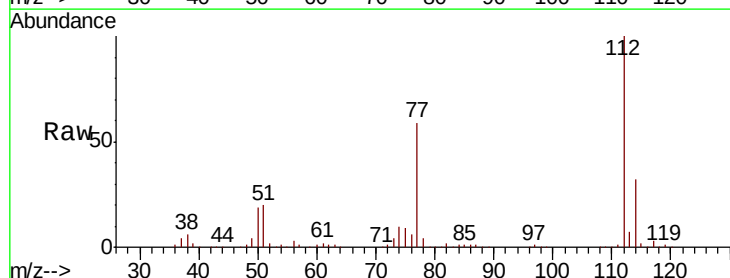
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

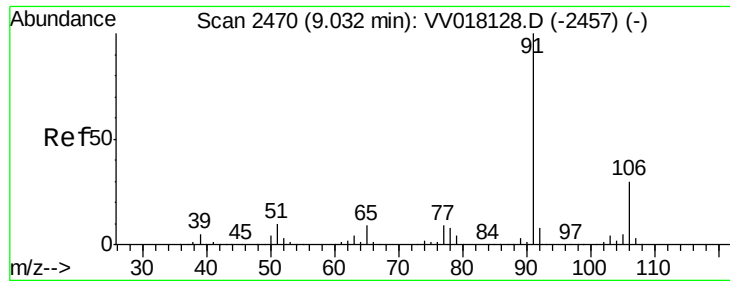
Tot Ion:107 Resp: 111874
Ion Ratio Lower Upper
107 100
109 94.1 67.5 125.4
188 3.8 3.4 5.0



#51
Chlorobenzene
Concen: 50.193 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

Tgt Ion:112 Resp: 294712
Ion Ratio Lower Upper
112 100
114 32.1 22.7 42.3
77 59.3 49.4 74.2





#52

Ethylbenzene

Concen: 50.324 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

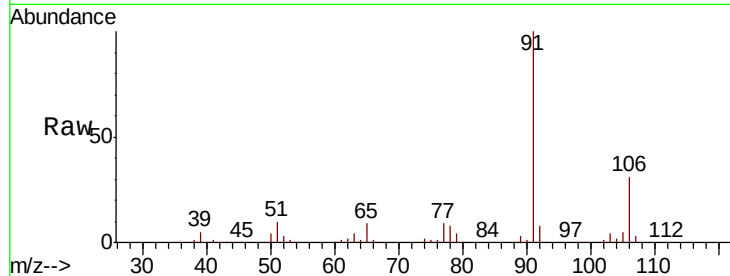
VSTD05091

Tot Ion: 91 Resp: 500945

Ion Ratio Lower Upper

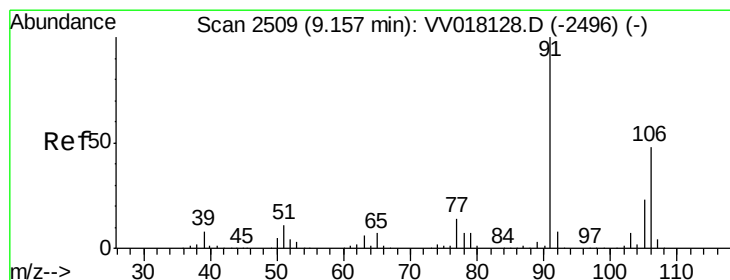
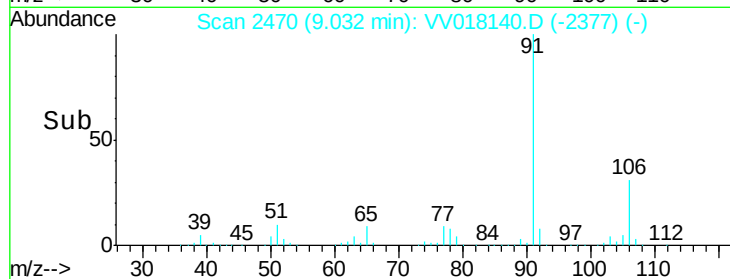
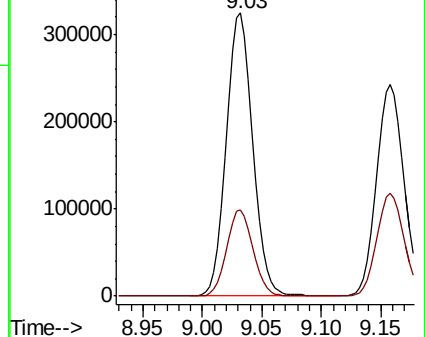
91 100

106 30.7 21.1 39.3



Abundance Ion 91.00 (90.70 to 91.70): VV018140.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018140.D (-2377) (-)



#53

m,p-Xylene

Concen: 51.370 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018140.D

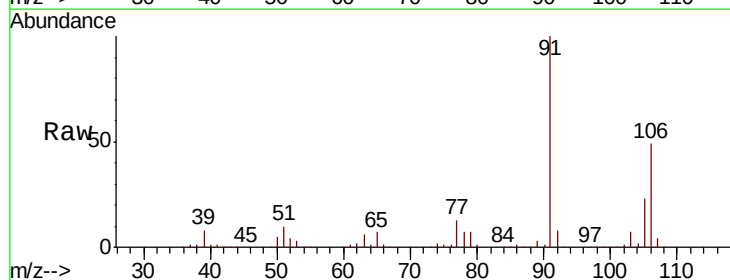
Acq: 01 Sep 2020 11:50

Tgt Ion: 106 Resp: 188077

Ion Ratio Lower Upper

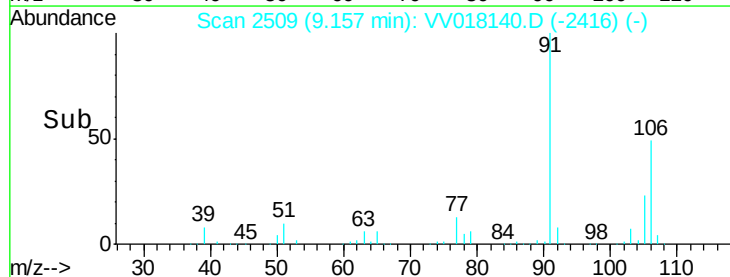
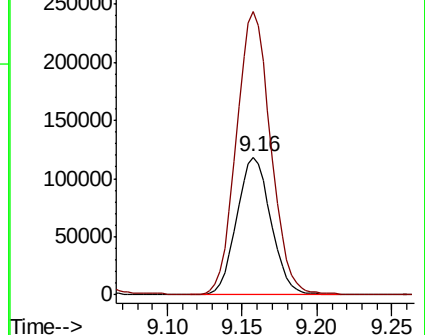
106 100

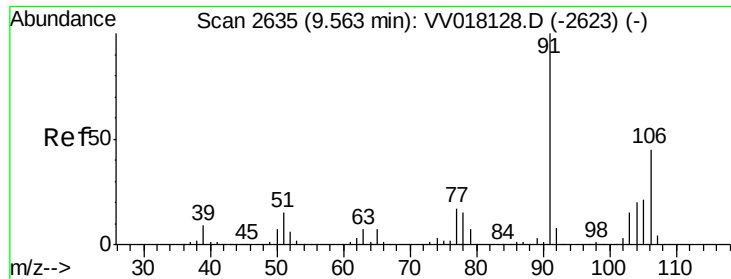
91 205.7 147.3 273.6



Abundance Ion 106.00 (105.70 to 106.70): VV018140.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018140.D (-2416) (-)

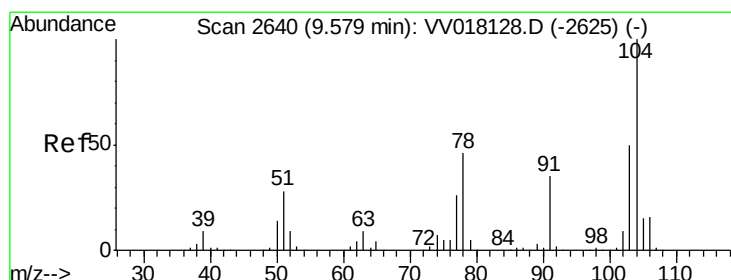
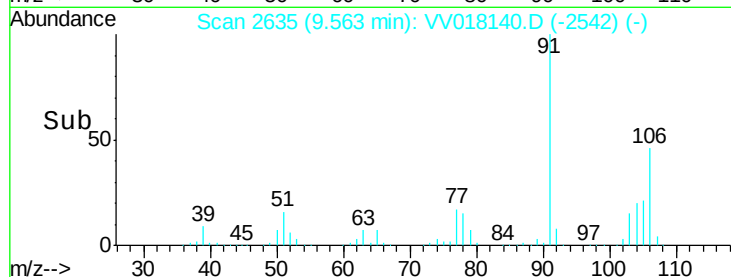
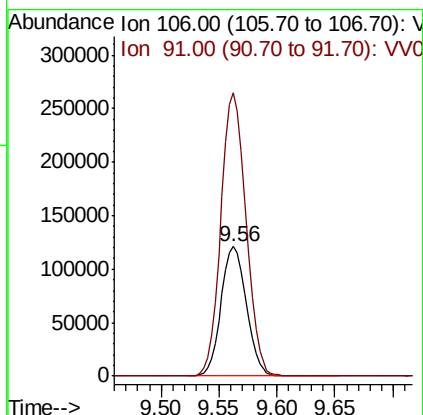
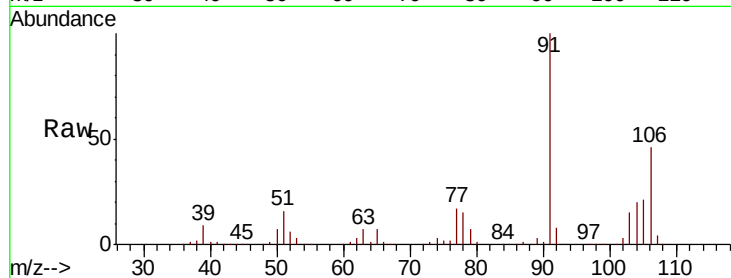




#54
o-xylene
Concen: 50.914 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

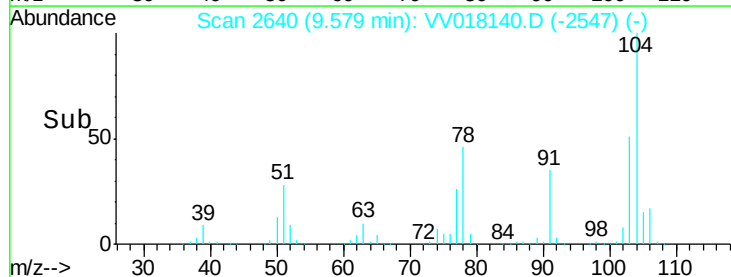
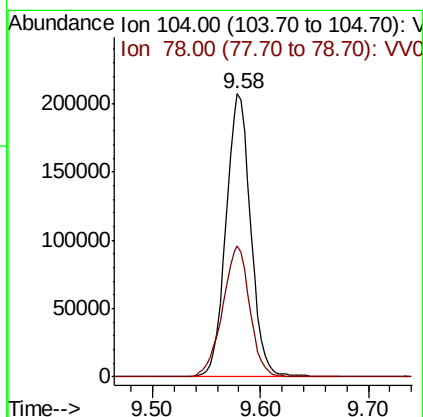
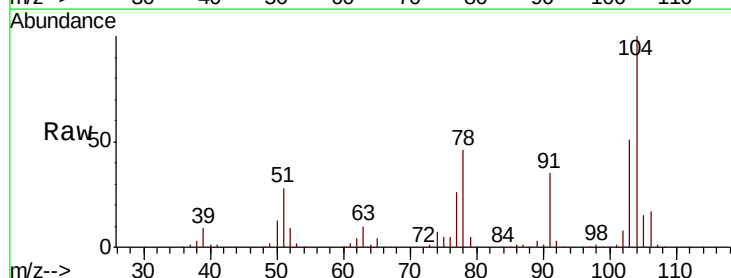
Instrument :
MSVOA_V
ClientSampleId :
VSTD05091

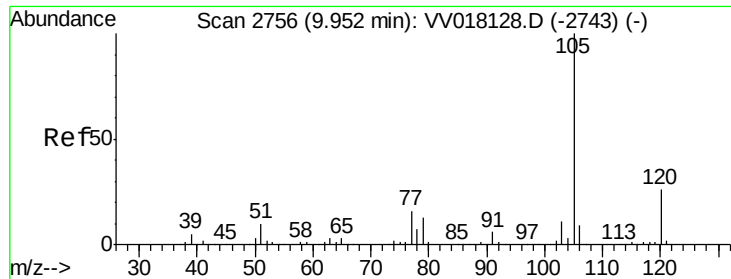
Tot Ion:106 Resp: 184210
Ion Ratio Lower Upper
106 100
91 218.8 156.0 289.8



#55
Styrene
Concen: 53.389 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018140.D
Acq: 01 Sep 2020 11:50

Tgt Ion:104 Resp: 330799
Ion Ratio Lower Upper
104 100
78 46.4 32.2 59.8





#56

Isopropylbenzene

Concen: 52.261 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

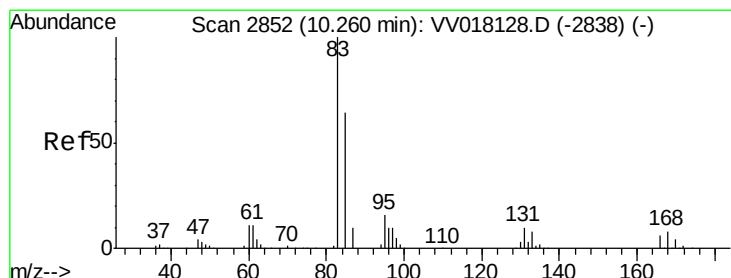
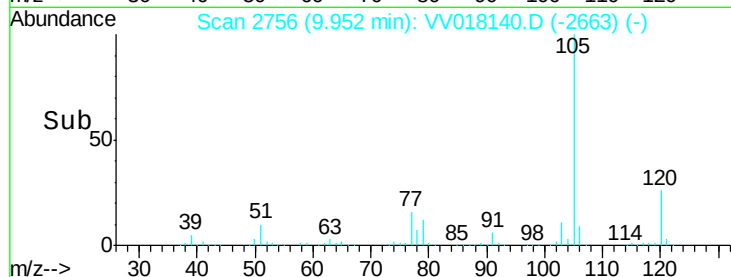
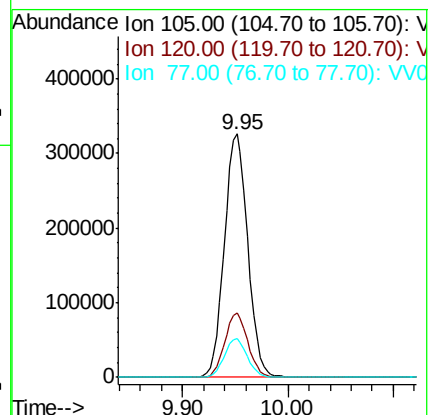
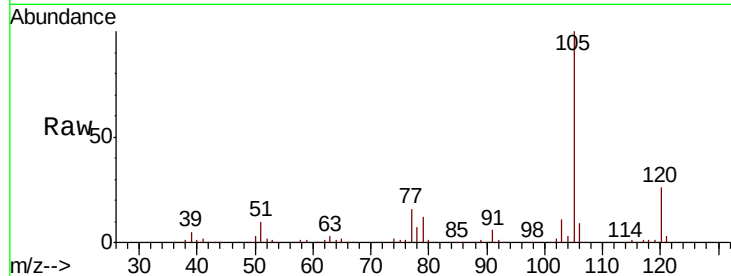
Tot Ion:105 Resp: 498825

Ion Ratio Lower Upper

105 100

120 26.0 20.6 31.0

77 15.7 13.1 19.7



#58

1,1,2,2-Tetrachloroethane

Concen: 47.482 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

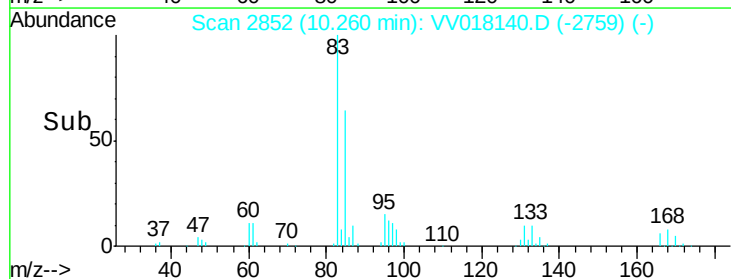
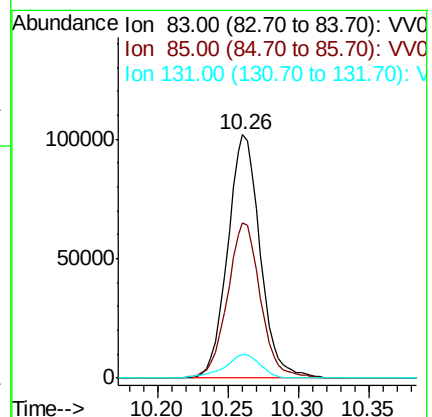
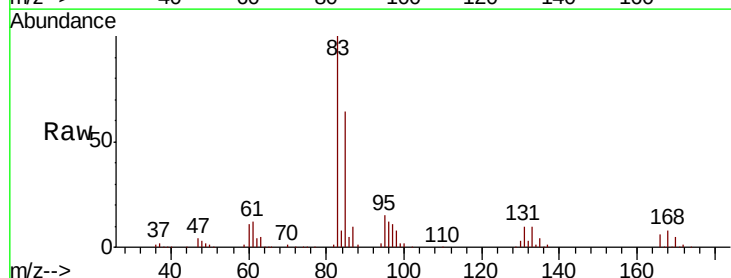
Tgt Ion: 83 Resp: 163375

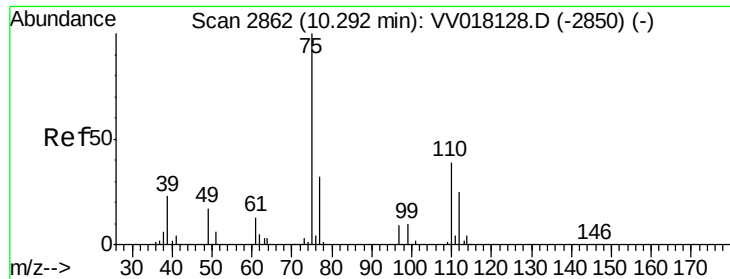
Ion Ratio Lower Upper

83 100

85 64.0 45.1 83.7

131 9.6 7.8 11.6





#59

1,2,3-Trichloropropane

Concen: 46.405 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

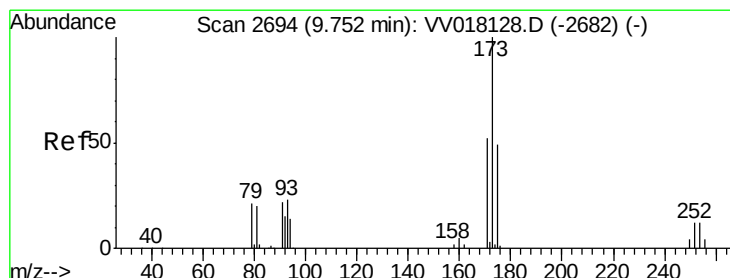
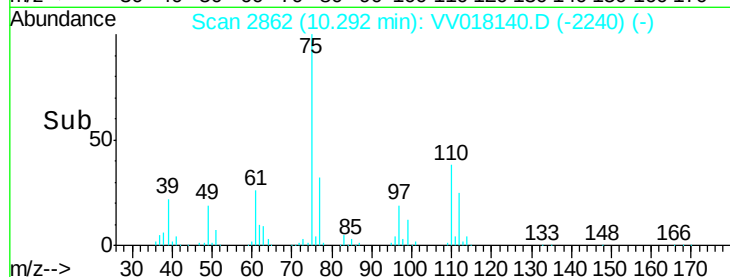
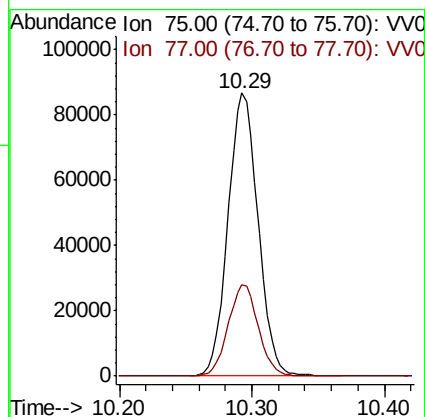
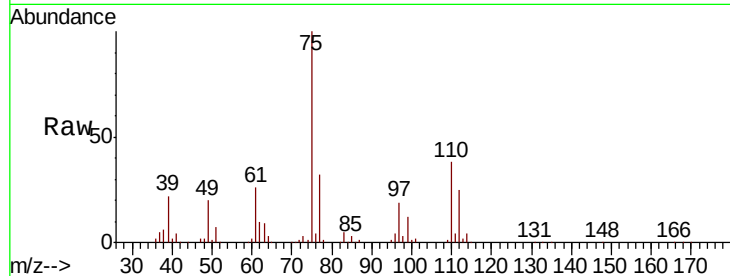
VSTD05091

Tot Ion: 75 Resp: 136741

Ion Ratio Lower Upper

75 100

77 32.2 25.7 38.5



#61

Bromoform

Concen: 59.300 ug/L

RT: 9.75 min Scan# 2693

Delta R.T. -0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

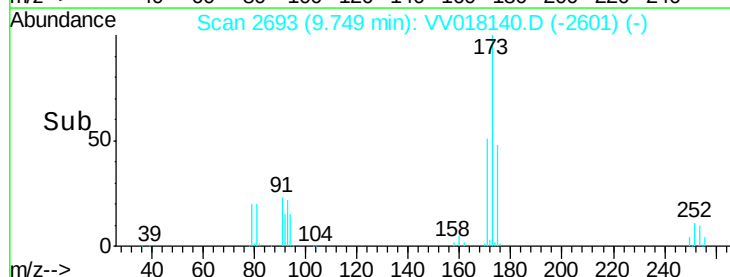
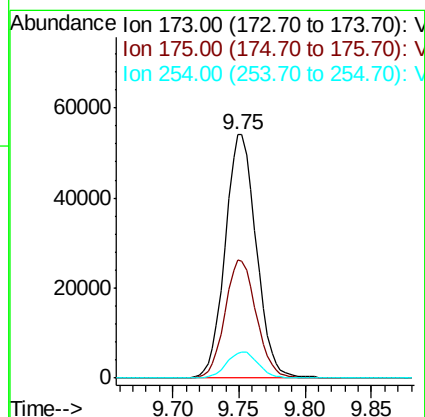
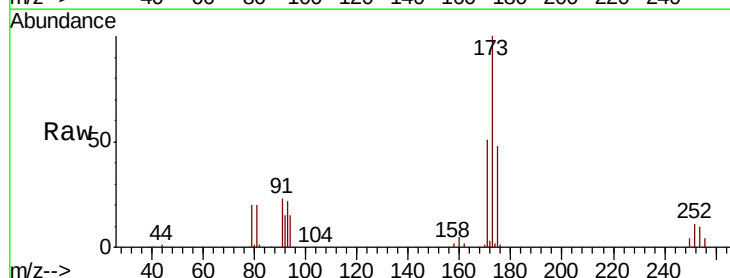
Tgt Ion: 173 Resp: 88343

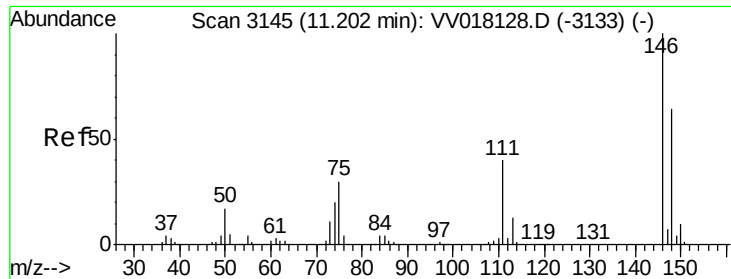
Ion Ratio Lower Upper

173 100

175 48.6 38.6 57.8

254 10.8 8.4 12.6





#62

1,3-Dichlorobenzene

Concen: 50.118 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

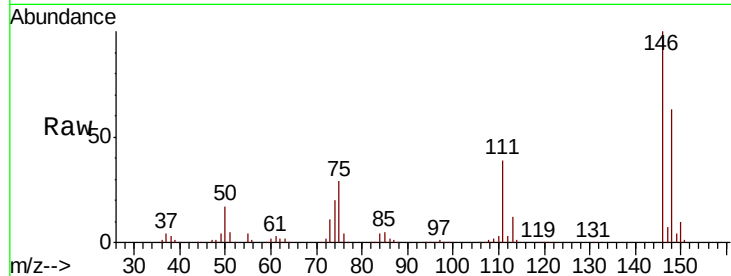
Tot Ion:146 Resp: 250925

Ion Ratio Lower Upper

146 100

111 39.3 28.8 53.4

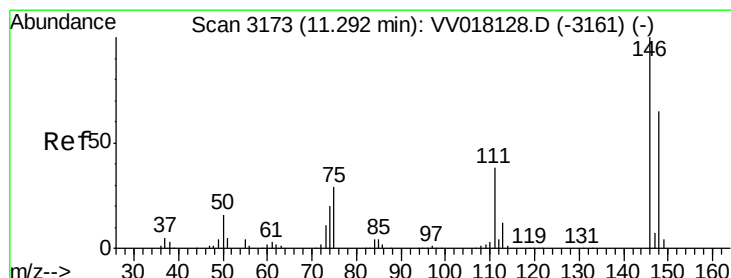
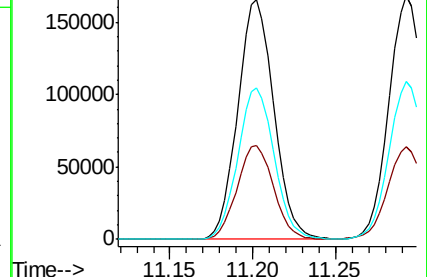
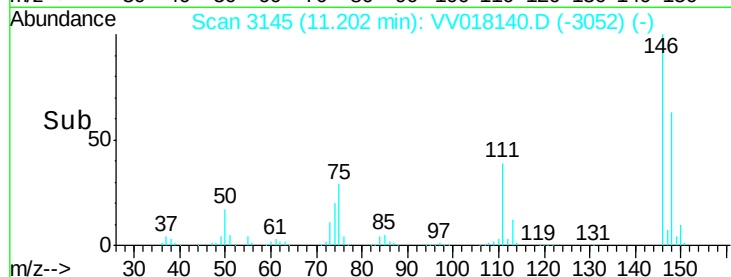
148 63.3 44.9 83.5



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 49.560 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

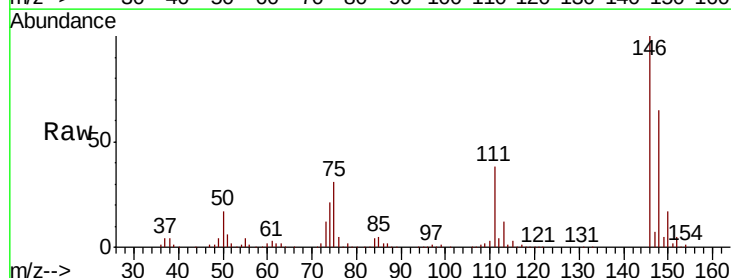
Tgt Ion:146 Resp: 254903

Ion Ratio Lower Upper

146 100

111 37.9 28.0 52.0

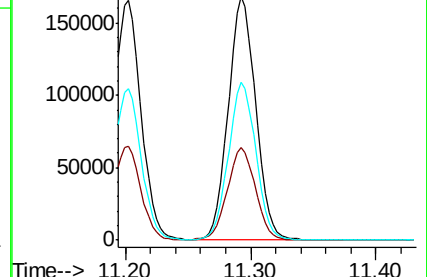
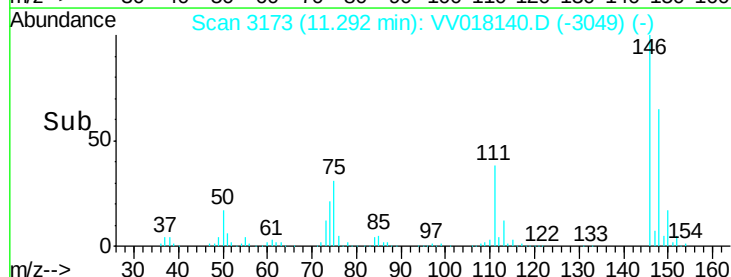
148 64.6 44.2 82.2

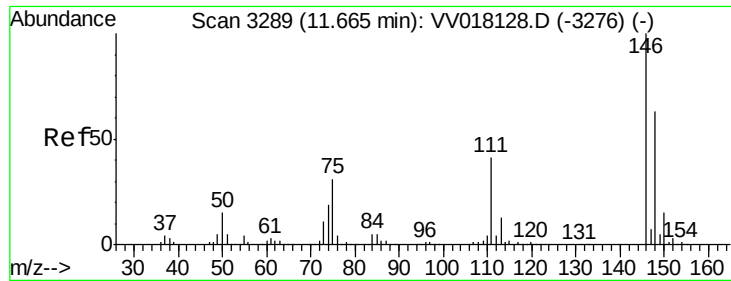


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

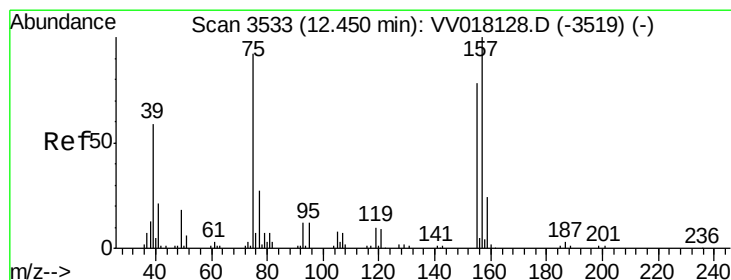
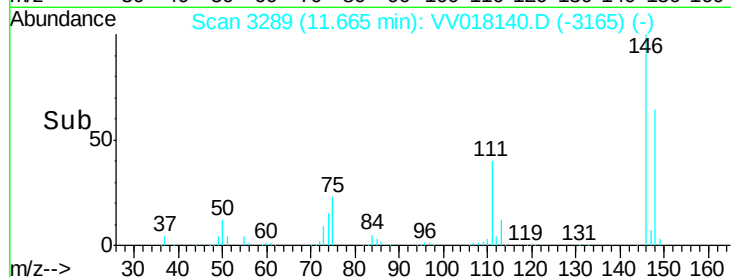
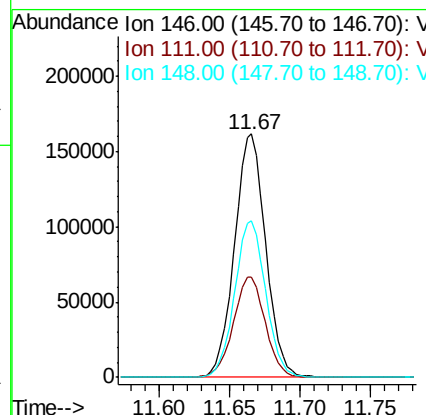
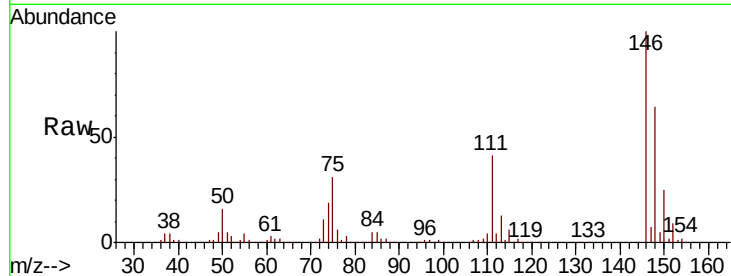




#65
 1,2-Dichlorobenzene
 Concen: 48.568 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

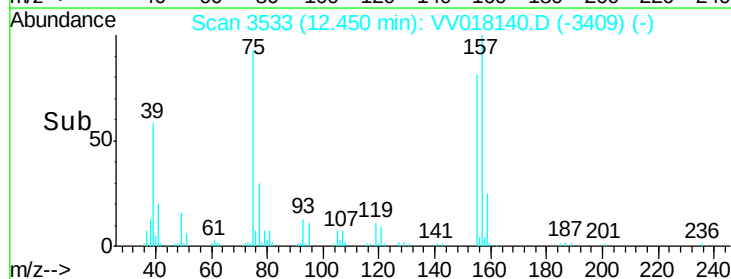
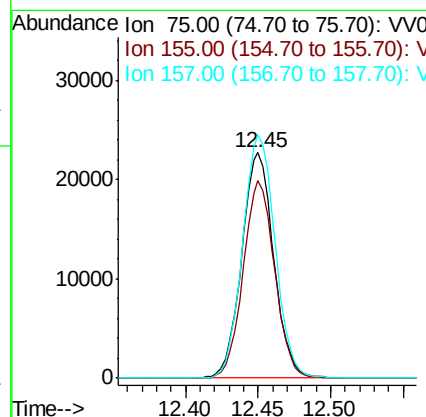
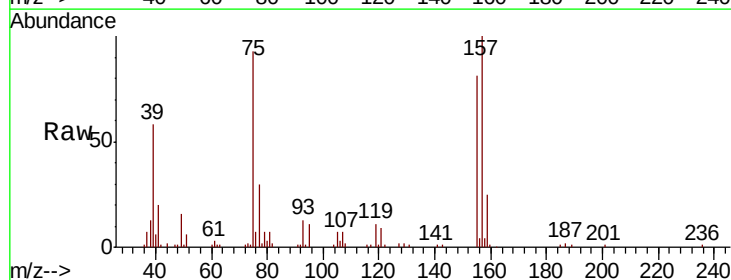
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05091

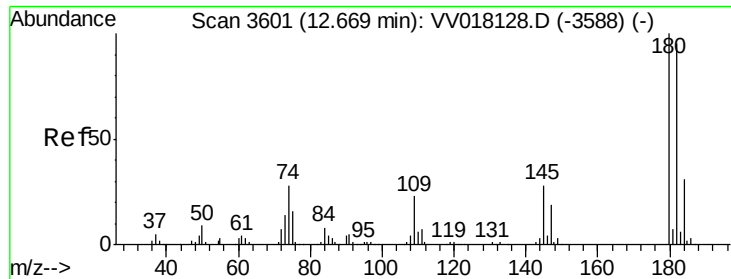
Tot Ion:146 Resp: 250285
 Ion Ratio Lower Upper
 146 100
 111 41.1 34.2 51.4
 148 64.2 50.6 76.0



#66
 1,2-Dibromo-3-chloropropane
 Concen: 45.887 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

Tgt Ion: 75 Resp: 34841
 Ion Ratio Lower Upper
 75 100
 155 87.7 67.6 101.4
 157 108.0 84.3 126.5

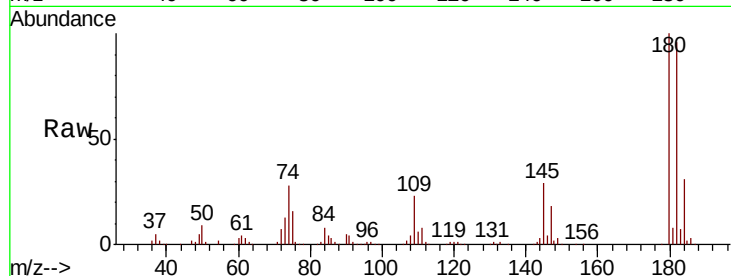




#67
 1,3,5-Trichlorobenzene
 Concen: 52.758 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. -0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05091

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	77.2	115.8
184	30.9	24.6	36.8
145	28.8	23.5	35.3



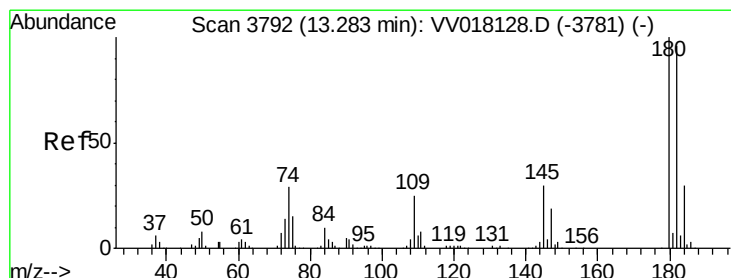
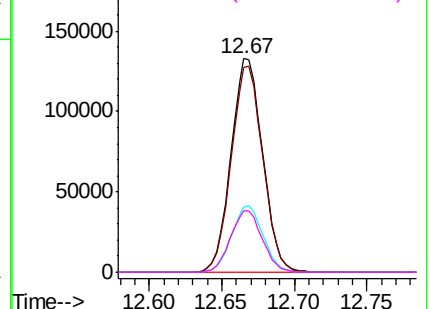
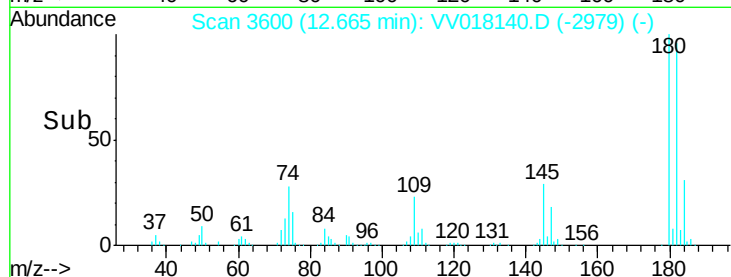
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

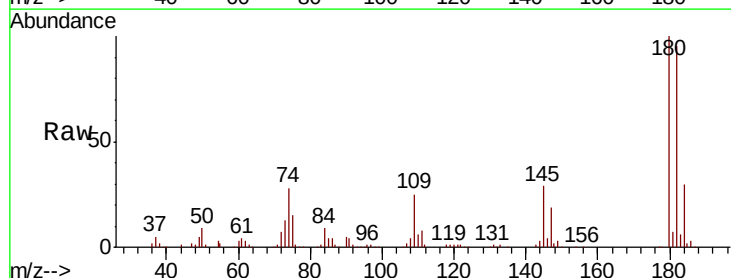
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 54.735 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018140.D
 Acq: 01 Sep 2020 11:50

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.2	76.4	114.6
145	29.7	24.0	36.0

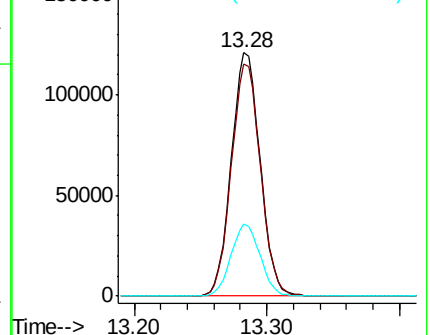
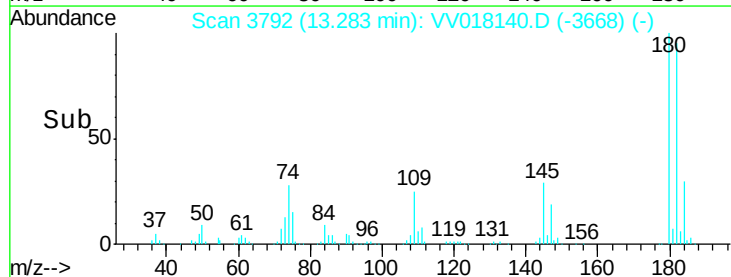


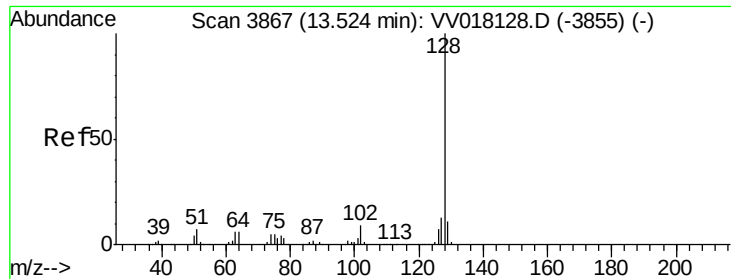
Abundance

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: 51.906 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

Instrument :

MSVOA_V

ClientSampleId :

VSTD05091

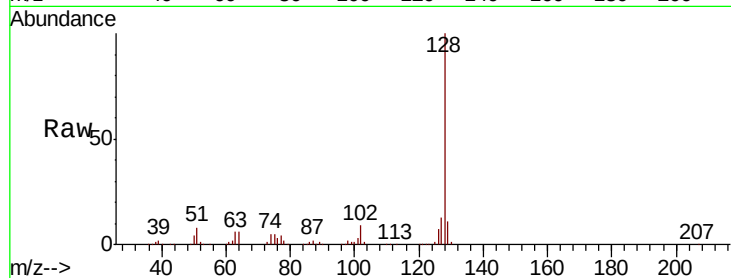
Tot Ion:128 Resp: 478393

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

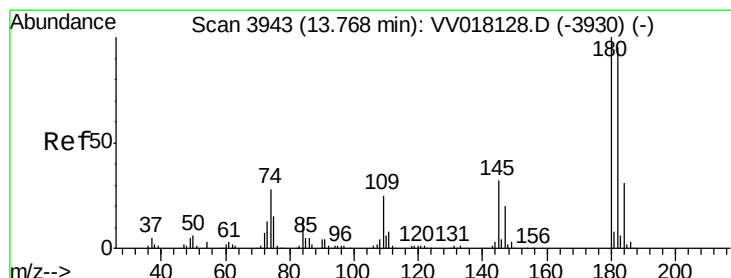
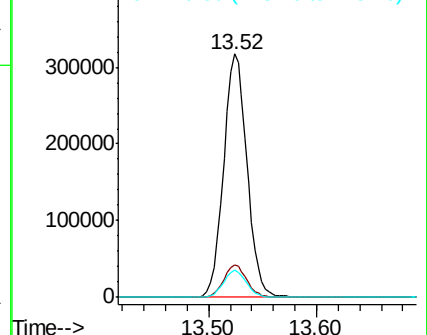
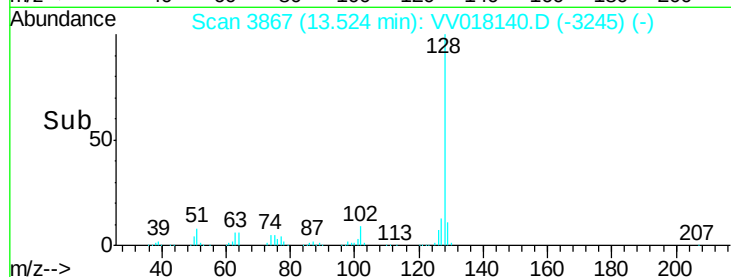
129 10.9 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.462 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018140.D

Acq: 01 Sep 2020 11:50

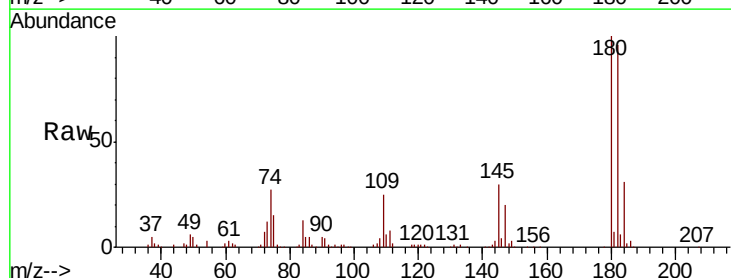
Tgt Ion:180 Resp: 181801

Ion Ratio Lower Upper

180 100

182 95.7 76.5 114.7

145 30.8 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

