

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091520\
 Data File : VV018226.D
 Acq On : 15 Sep 2020 16:56
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

Quant Time: Sep 16 05:47:28 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM090920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 16 05:45:07 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	290832	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	288915	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	161714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	95487	40.29	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	80.58%
7) Chloroethane-d5	1.58	69	86486	44.59	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.18%
11) 1,1-Dichloroethene-d2	2.13	63	200299	46.07	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.14%
21) 2-Butanone-d5	3.91	46	144530	99.63	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	99.63%
24) Chloroform-d	4.38	84	202953	49.35	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.70%
26) 1,2-Dichloroethane-d4	5.06	65	126362	47.94	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.88%
32) Benzene-d6	5.08	84	377380	45.63	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	91.26%
36) 1,2-Dichloropropane-d6	6.09	67	122023	46.43	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	92.86%
41) Toluene-d8	7.34	98	349433	46.36	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.72%
43) trans-1,3-Dichloropropene-	7.64	79	63216	47.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.68%
47) 2-Hexanone-d5	8.11	63	111474	111.98	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	111.98%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	176592	53.54	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	107.08%
64) 1,2-Dichlorobenzene-d4	11.65	152	155746	46.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	93.80%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	115671	54.543	ug/L 99
3) Chloromethane	1.25	50	125518	54.203	ug/L 99
5) Vinyl chloride	1.32	62	127499	53.692	ug/L 99
6) Bromomethane	1.53	94	78457	54.055	ug/L 99
8) Chloroethane	1.60	64	79796	53.643	ug/L 100
9) Trichlorofluoromethane	1.77	101	179086	54.813	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109961	56.030	ug/L 100
12) 1,1-Dichloroethene	2.14	96	105121	55.049	ug/L 92
13) Acetone	2.19	43	118114	101.675	ug/L 98
14) Carbon disulfide	2.31	76	307085	52.554	ug/L 99
15) Methyl Acetate	2.45	43	106840	51.177	ug/L 100
16) Methylene chloride	2.52	84	114590	53.506	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	106381	54.056	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	322443	52.966	ug/L 100
19) 1,1-Dichloroethane	3.21	63	200984	54.015	ug/L 99
20) cis-1,2-Dichloroethene	3.94	96	114543	54.448	ug/L 98
22) 2-Butanone	3.99	43	152351	110.753	ug/L 96

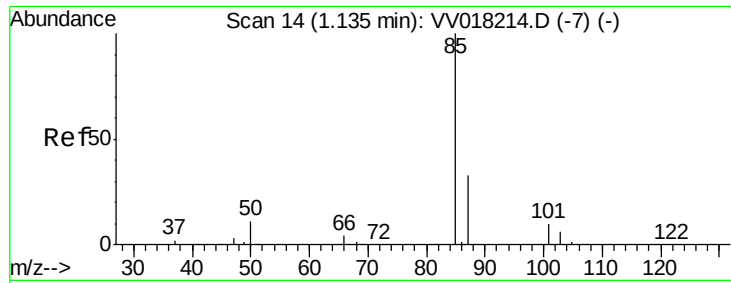
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV091520\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	59650	54.193	ug/L	98
25) Chloroform	4.40	83	202674	53.585	ug/L	99
27) 1,2-Dichloroethane	5.15	62	157099	53.653	ug/L	99
29) Cyclohexane	4.70	56	183306	54.944	ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	179326	53.483	ug/L	100
31) Carbon tetrachloride	4.86	117	157139	53.298	ug/L	98
33) Benzene	5.13	78	443763	53.722	ug/L	100
34) Trichloroethene	5.94	95	114228	50.763	ug/L	98
35) Methylcyclohexane	6.15	83	189583	55.956	ug/L	100
37) 1,2-Dichloropropane	6.20	63	118715	54.235	ug/L	100
38) Bromodichloromethane	6.53	83	149730	52.564	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	183744	54.481	ug/L	99
40) 4-Methyl-2-pentanone	7.24	43	285214	107.405	ug/L	100
42) Toluene	7.41	91	482997	55.252	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	180808	55.061	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	110877	54.650	ug/L	99
46) Tetrachloroethene	8.00	164	97690	55.369	ug/L	99
48) 2-Hexanone	8.16	43	225799	107.854	ug/L	100
49) Dibromochloromethane	8.27	129	122283	53.696	ug/L	98
50) 1,2-Dibromoethane	8.37	107	115305	54.000	ug/L	99
51) Chlorobenzene	8.90	112	310651	54.719	ug/L	100
52) Ethylbenzene	9.03	91	536246	56.188	ug/L	100
53) m,p-Xylene	9.16	106	200824	56.375	ug/L	98
54) o-xylene	9.56	106	194137	56.569	ug/L	100
55) Styrene	9.58	104	345943	57.995	ug/L	99
56) Isopropylbenzene	9.95	105	527706	57.054	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	174780	58.238	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	138190	53.675	ug/L	100
61) Bromoform	9.75	173	92074	52.999	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	261810	54.445	ug/L	99
63) 1,4-Dichlorobenzene	11.29	146	268899	54.404	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	257189	52.914	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	37662	54.910	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	206080	54.361	ug/L	100
68) 1,2,4-trichlorobenzene	13.28	180	187777	55.624	ug/L	99
69) Naphthalene	13.52	128	522311	61.147	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	186515	56.095	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 54.543 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

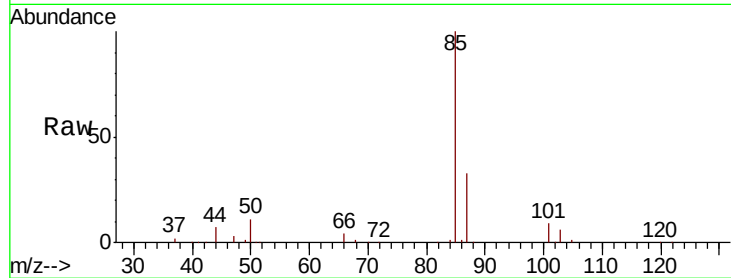
VSTD05071

Tot Ion: 85 Resp: 115671

Ion Ratio Lower Upper

85 100

87 32.6 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

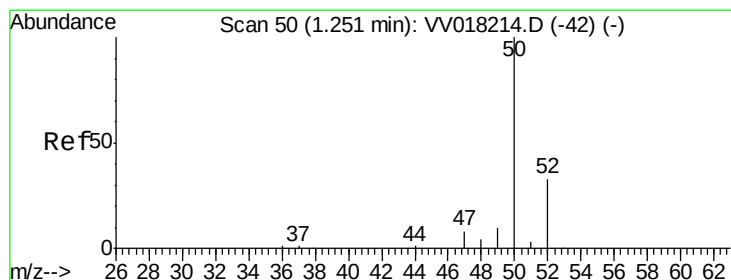
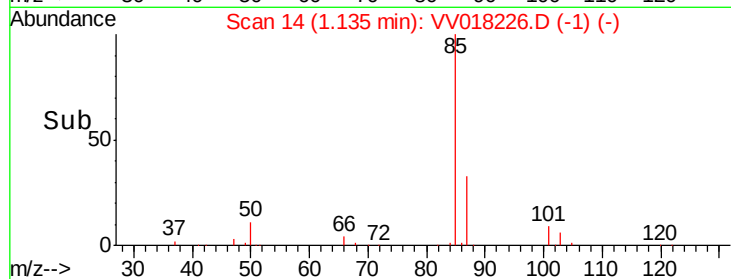
1.14

100000

50000

0

Time-->



#3

Chloromethane

Concen: 54.203 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018226.D

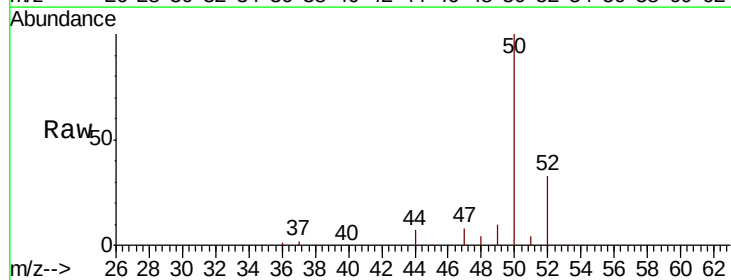
Acq: 15 Sep 2020 16:56

Tgt Ion: 50 Resp: 125518

Ion Ratio Lower Upper

50 100

52 32.9 22.7 42.3



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

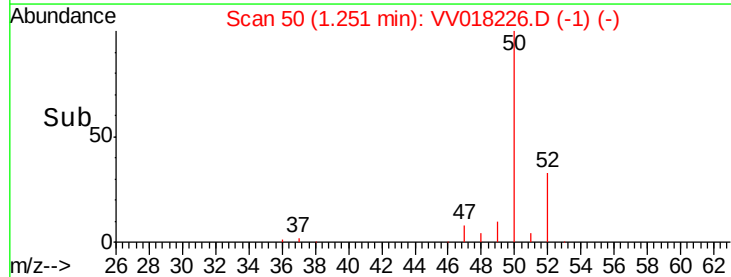
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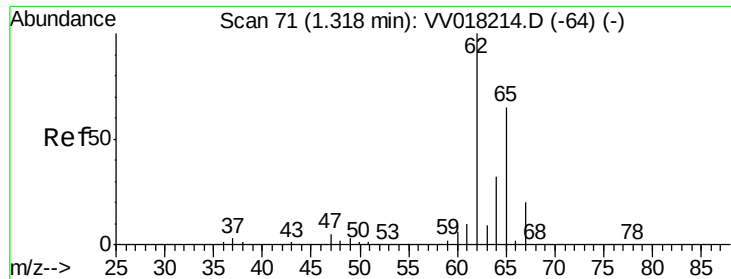
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 53.692 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

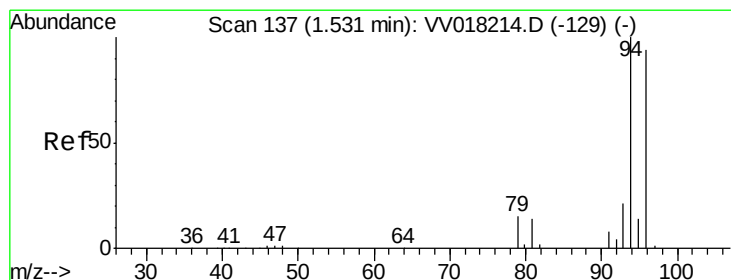
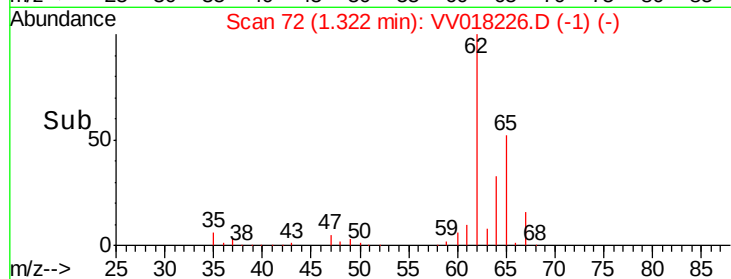
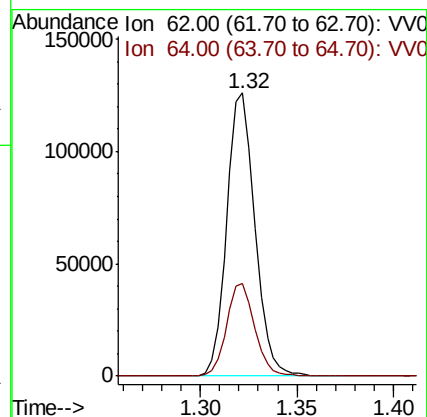
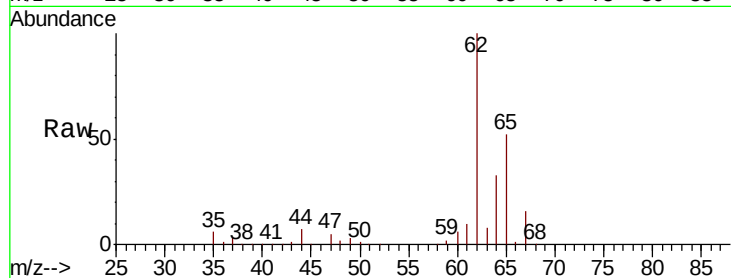
VSTD05071

Tot Ion: 62 Resp: 127499

Ion Ratio Lower Upper

62 100

64 32.6 23.1 42.9



#6

Bromomethane

Concen: 54.055 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018226.D

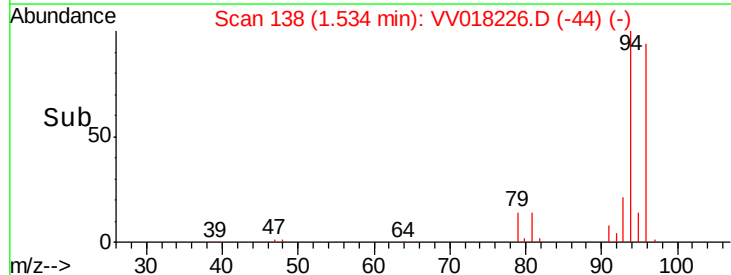
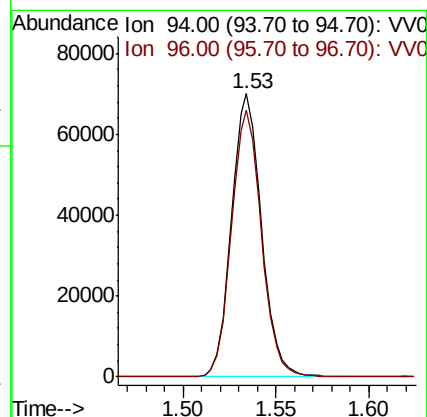
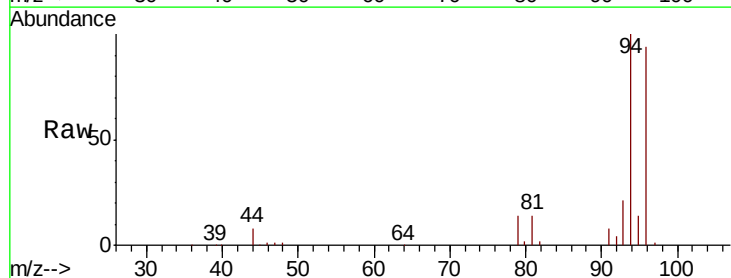
Acq: 15 Sep 2020 16:56

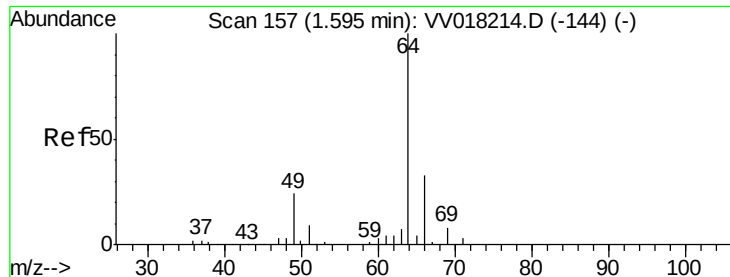
Tgt Ion: 94 Resp: 78457

Ion Ratio Lower Upper

94 100

96 94.1 65.1 120.9





#8

Chloroethane

Concen: 53.643 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

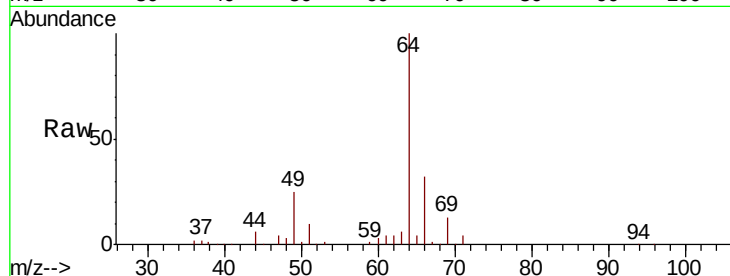
VSTD05071

Tot Ion: 64 Resp: 79796

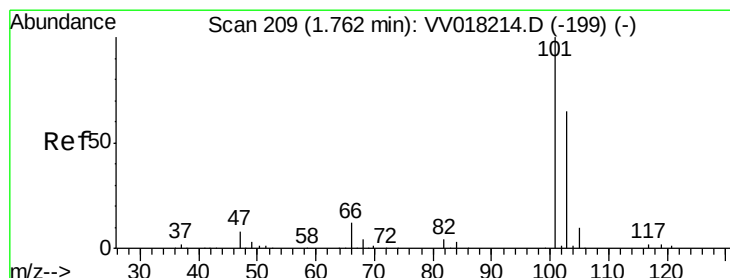
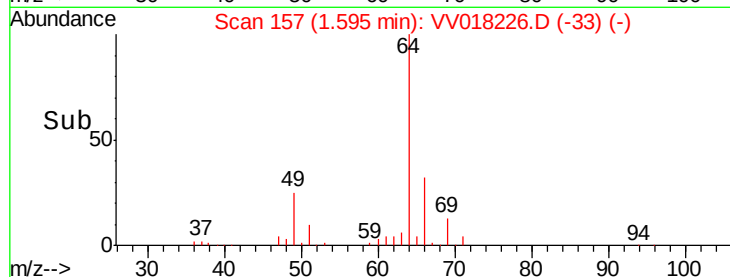
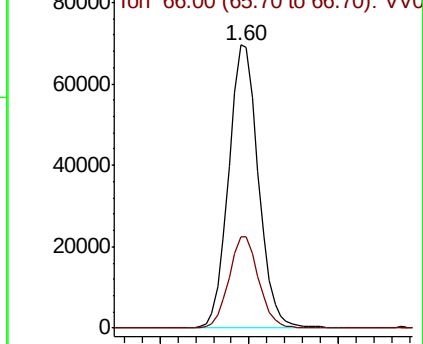
Ion Ratio Lower Upper

64 100

66 32.2 22.5 41.7



Abundance Ion 64.00 (63.70 to 64.70): VV018226.D (-144) (-)



#9

Trichlorofluoromethane

Concen: 54.813 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018226.D

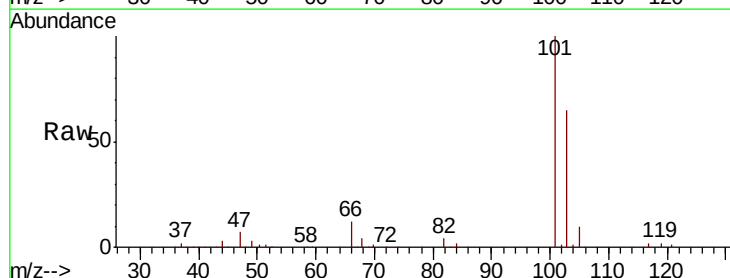
Acq: 15 Sep 2020 16:56

Tgt Ion: 101 Resp: 179086

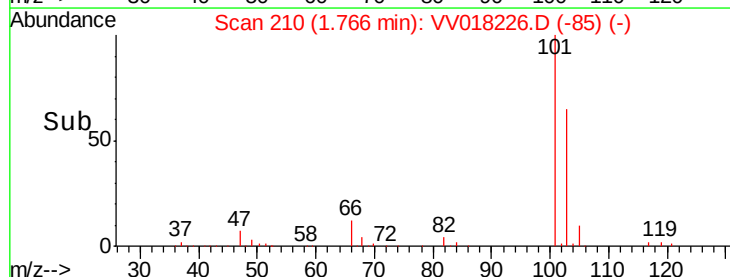
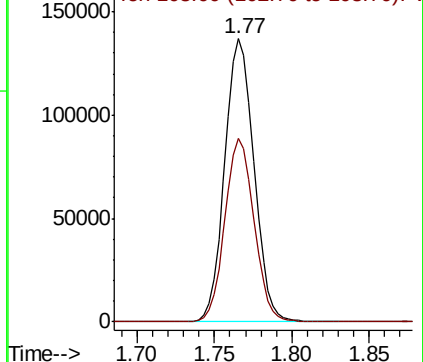
Ion Ratio Lower Upper

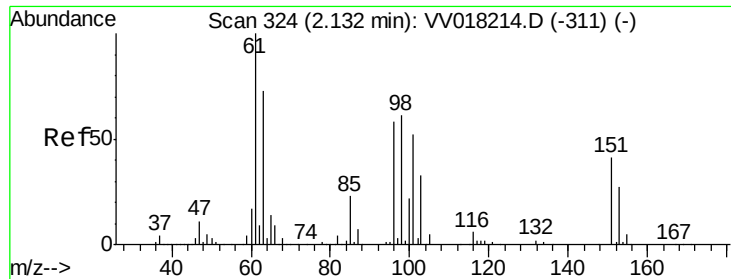
101 100

103 64.5 51.8 77.6



Abundance Ion 101.00 (100.70 to 101.70): VV018226.D (-199) (-)





#10

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

Concen: 56.030 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

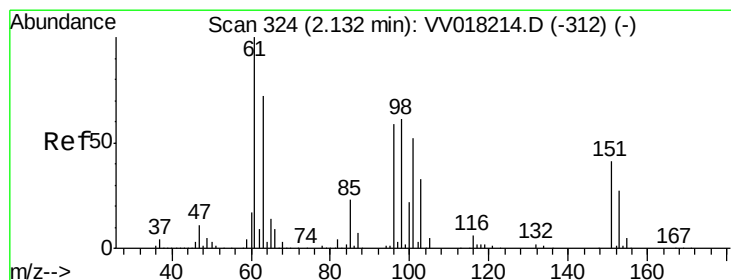
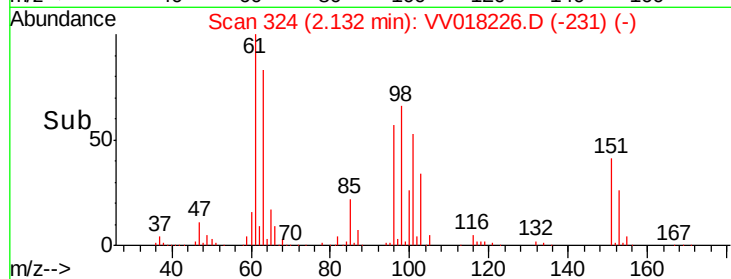
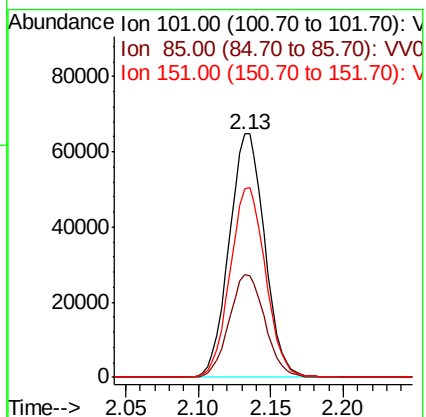
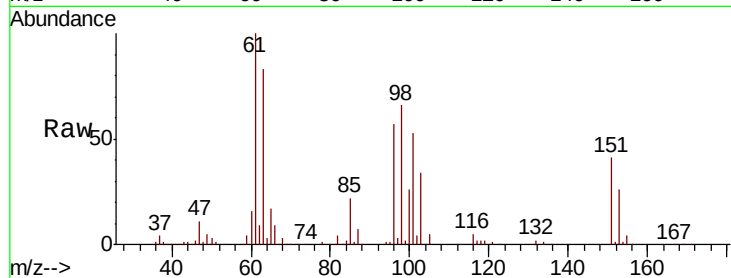
Tot Ion:101 Resp: 109961

Ion Ratio Lower Upper

101 100

85 42.3 33.5 50.3

151 77.8 62.2 93.2



#12

1,1-Dichloroethene

Concen: 55.049 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

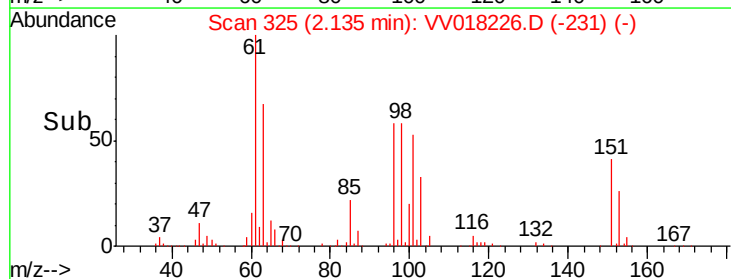
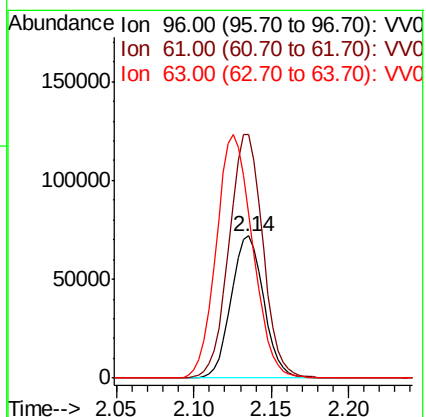
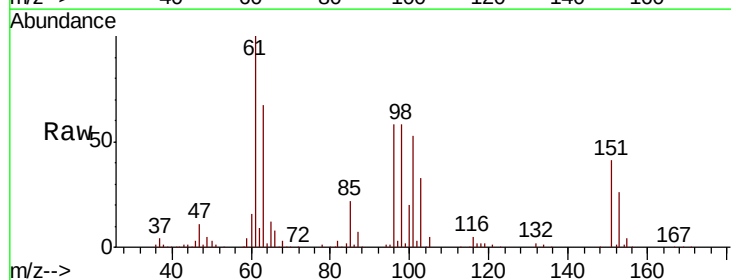
Tgt Ion: 96 Resp: 105121

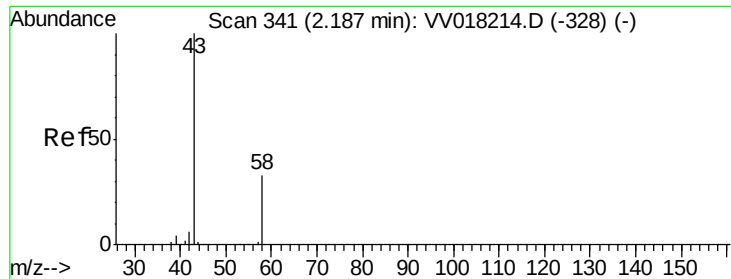
Ion Ratio Lower Upper

96 100

61 171.0 122.9 228.3

63 115.4 91.9 170.7





#13

Acetone

Concen: 101.675 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

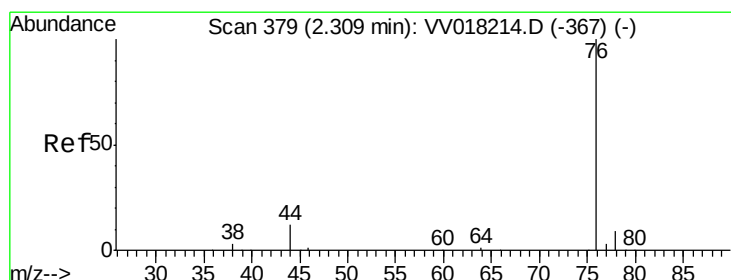
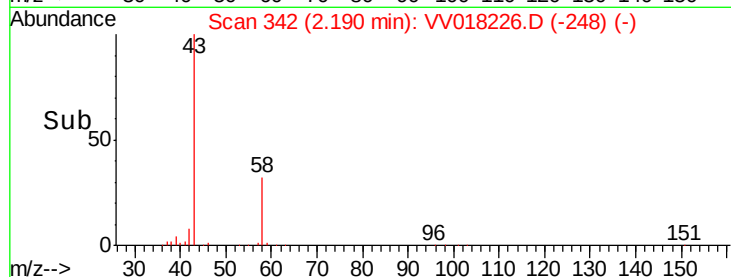
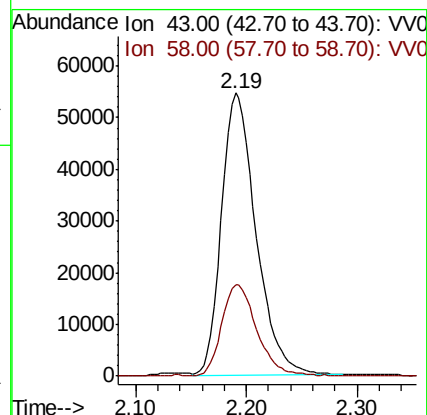
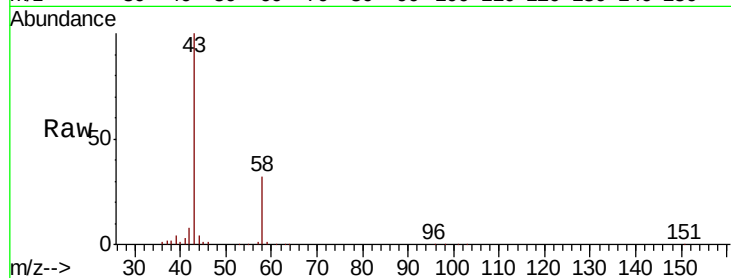
VSTD05071

Tot Ion: 43 Resp: 118114

Ion Ratio Lower Upper

43 100

58 32.7 0.0 67.4



#14

Carbon disulfide

Concen: 52.554 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018226.D

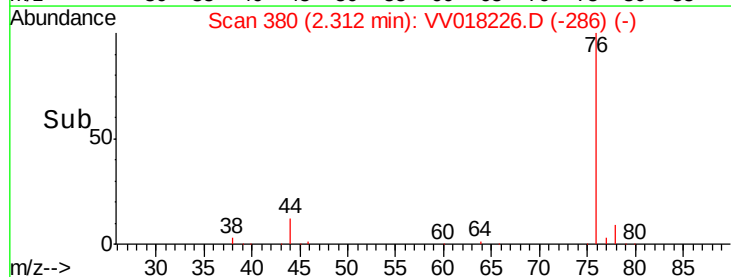
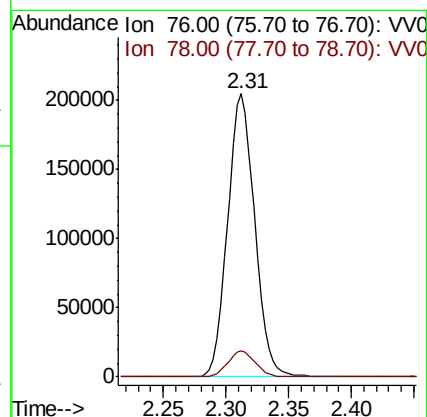
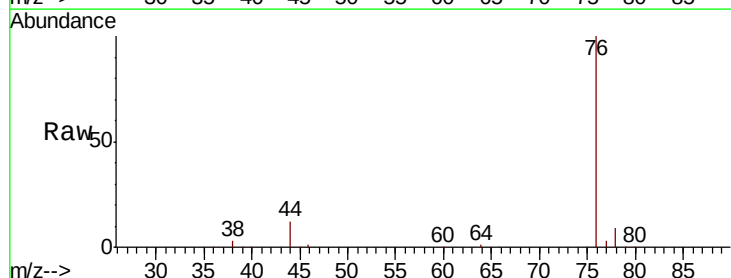
Acq: 15 Sep 2020 16:56

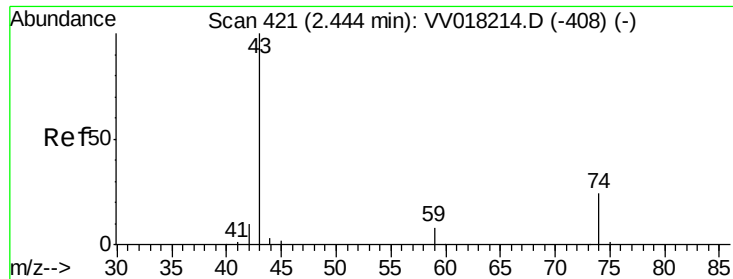
Tgt Ion: 76 Resp: 307085

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

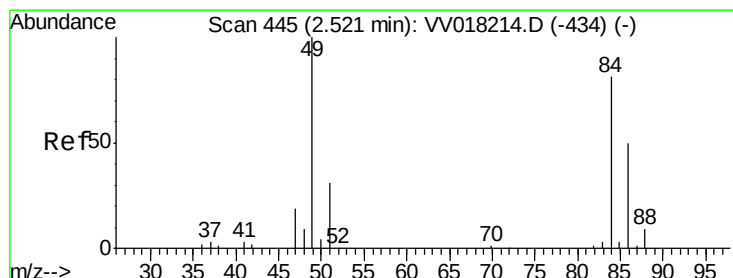
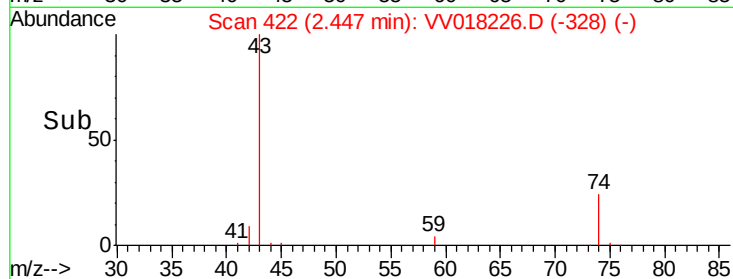
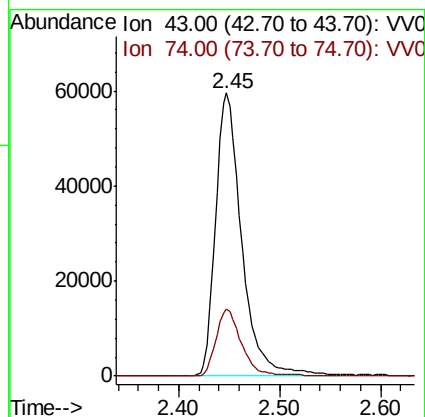
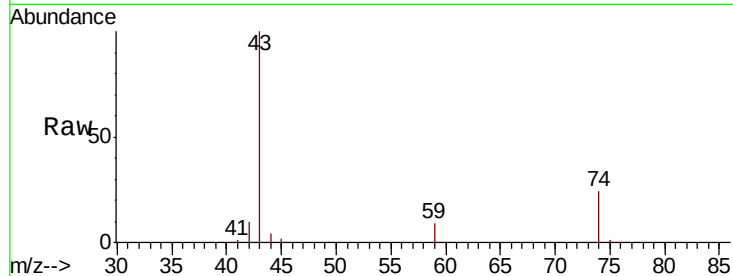




#15
Methyl Acetate
Concen: 51.177 ug/L
RT: 2.45 min Scan# 422
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

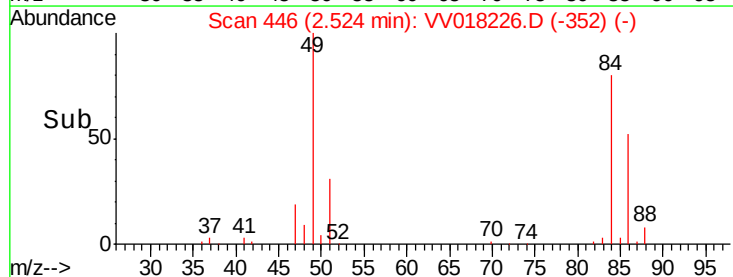
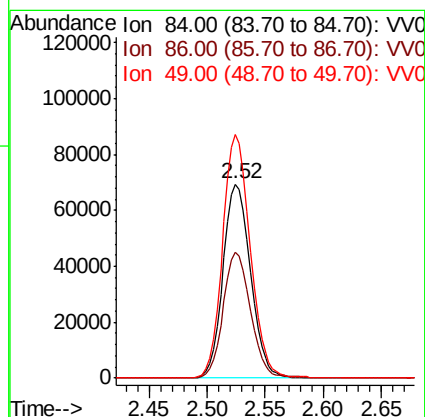
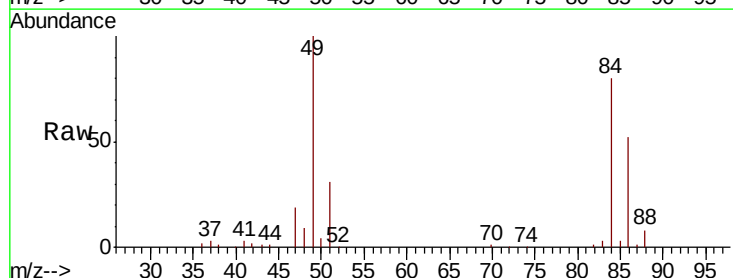
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

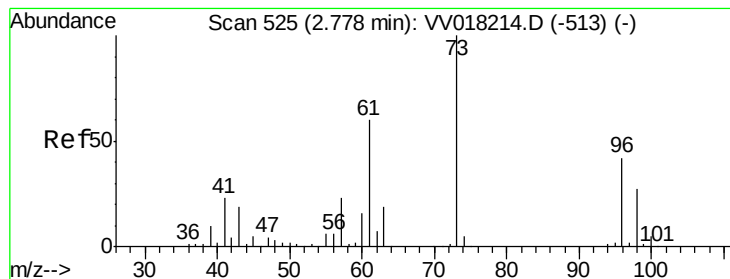
Tot Ion: 43 Resp: 106840
Ion Ratio Lower Upper
43 100
74 22.9 18.4 27.6



#16
Methylene chloride
Concen: 53.506 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Tgt Ion: 84 Resp: 114590
Ion Ratio Lower Upper
84 100
86 64.8 44.4 82.4
49 125.3 87.2 162.0





#17

trans-1,2-Dichloroethene

Concen: 54.056 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampled :

VSTD05071

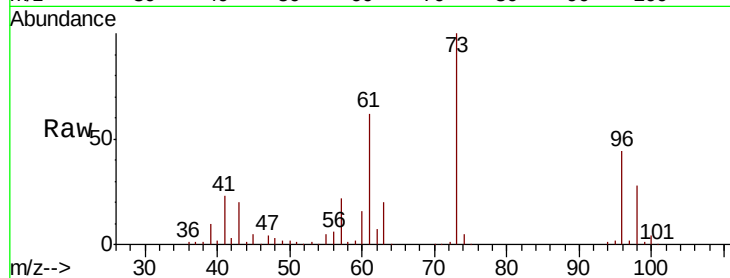
Tot Ion: 96 Resp: 106381

Ion Ratio Lower Upper

96 100

61 140.8 100.7 186.9

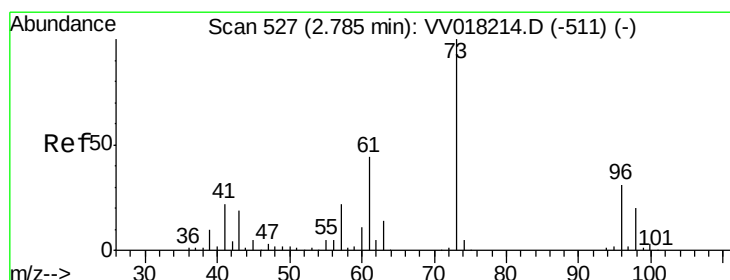
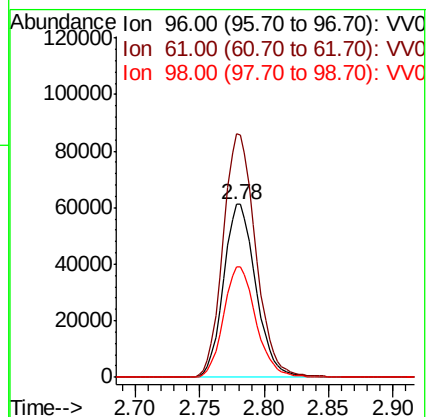
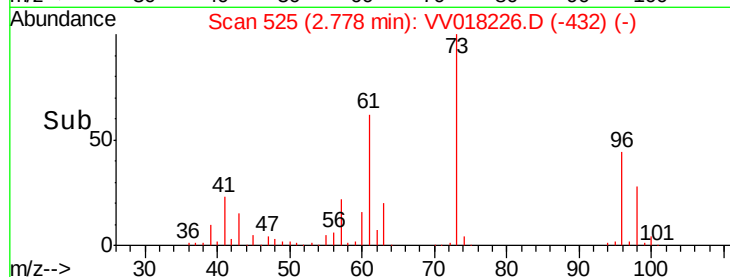
98 63.9 45.2 84.0



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 52.966 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

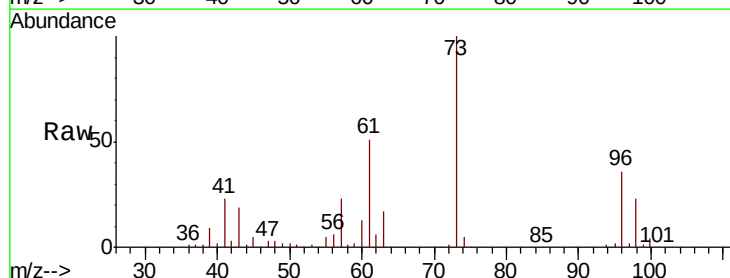
Tgt Ion: 73 Resp: 322443

Ion Ratio Lower Upper

73 100

43 19.2 15.4 23.0

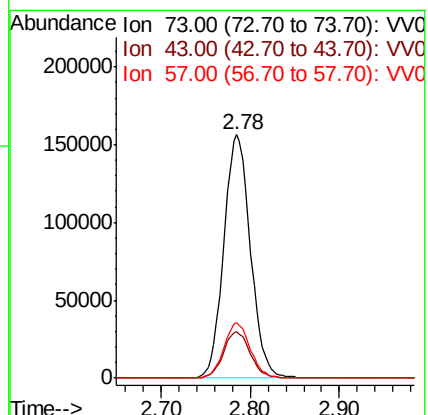
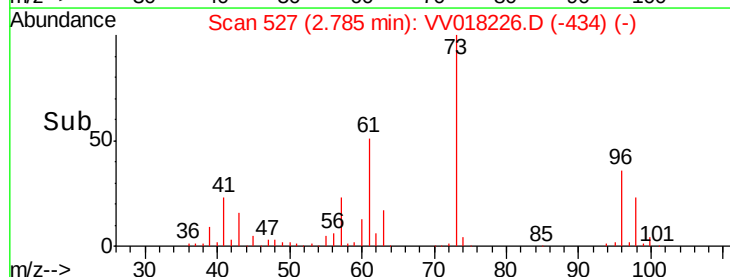
57 22.5 18.0 27.0

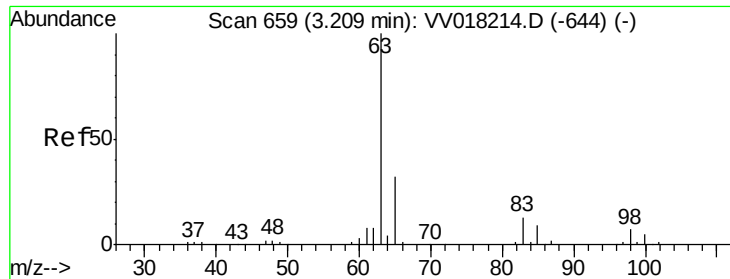


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

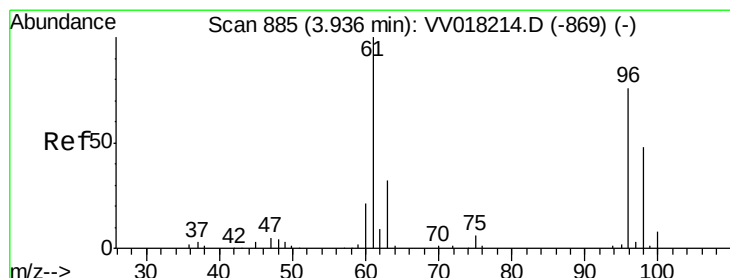
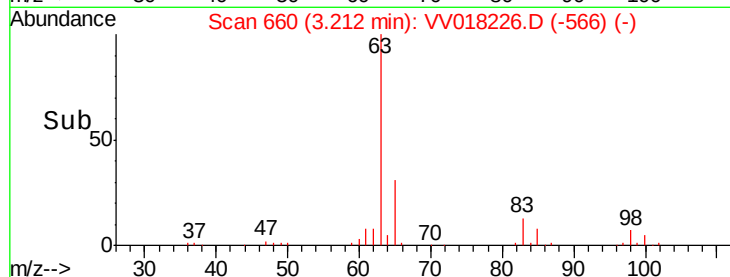
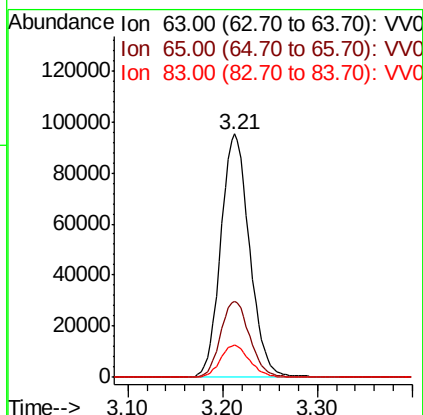
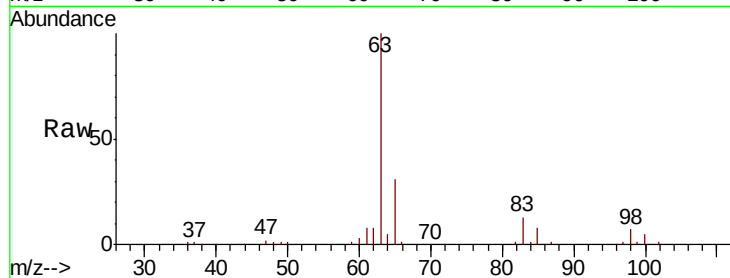




#19
 1,1-Dichloroethane
 Concen: 54.015 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

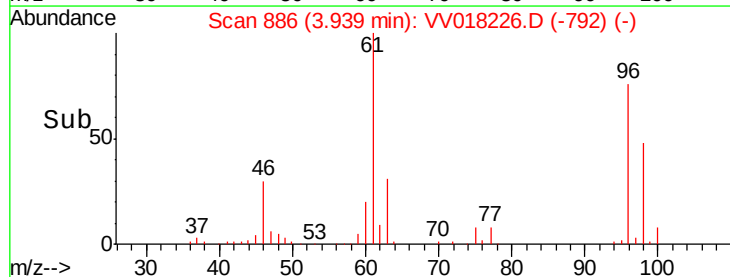
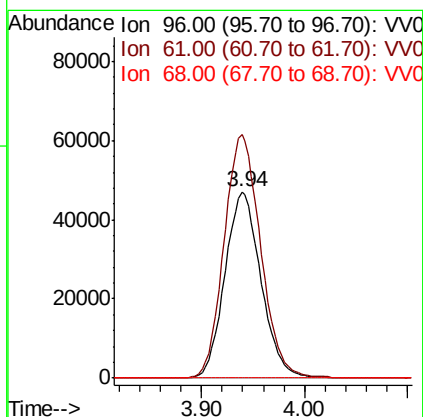
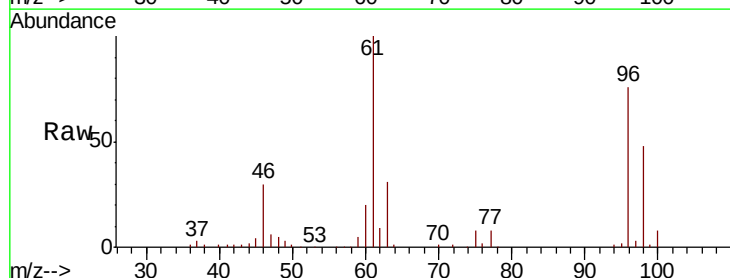
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05071

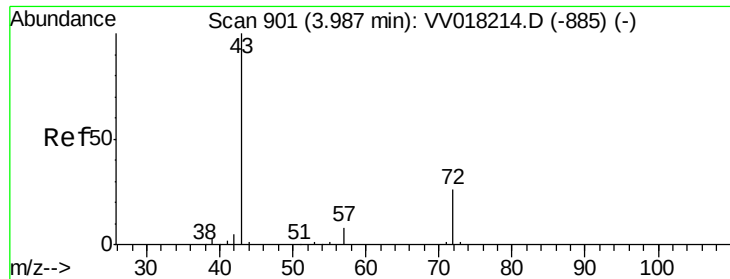
Tot Ion: 63 Resp: 200984
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.5 41.7
 83 13.1 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 54.448 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

Tgt Ion: 96 Resp: 114543
 Ion Ratio Lower Upper
 96 100
 61 130.8 93.6 173.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 110.753 ug/L

RT: 3.99 min Scan# 903

Delta R.T. 0.01 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

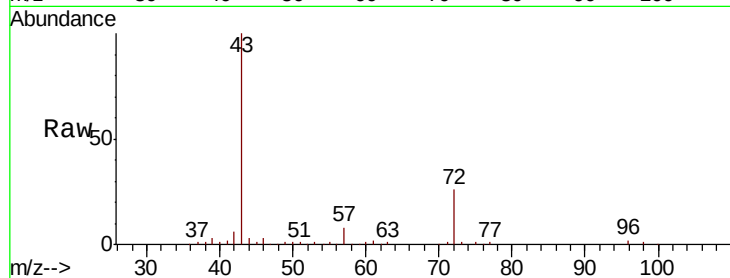
VSTD05071

Tot Ion: 43 Resp: 152351

Ion Ratio Lower Upper

43 100

72 24.1 13.1 39.3



Abundance Ion 43.00 (42.70 to 43.70): VV018226.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV018226.D (-897) (-)

3.99

60000

50000

40000

30000

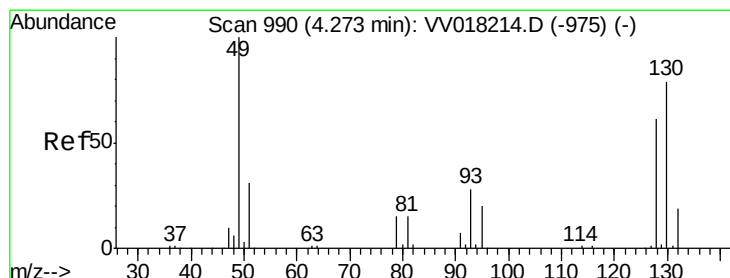
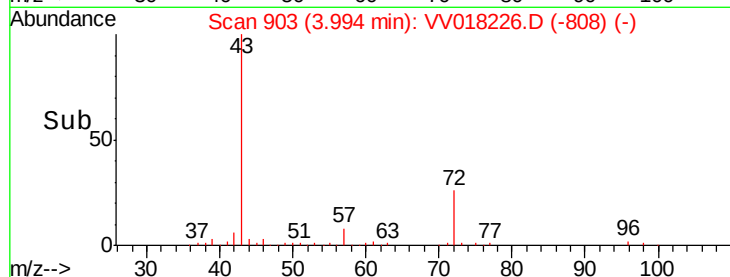
20000

10000

0

Time-->

3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 54.193 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Tgt Ion:128 Resp: 59650

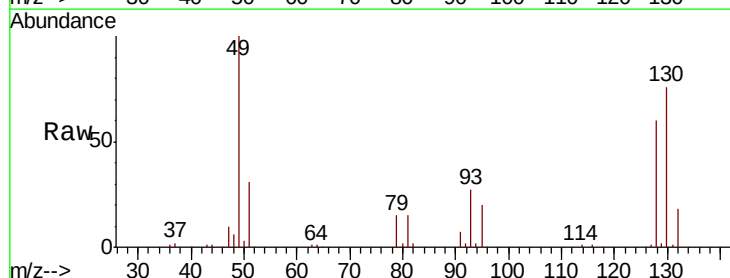
Ion Ratio Lower Upper

128 100

49 166.8 114.4 212.6

130 126.7 87.9 163.3

51 51.5 41.8 62.8



Abundance Ion 128.00 (127.70 to 128.70): VV018226.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018226.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018226.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018226.D (-897) (-)

60000

50000

40000

30000

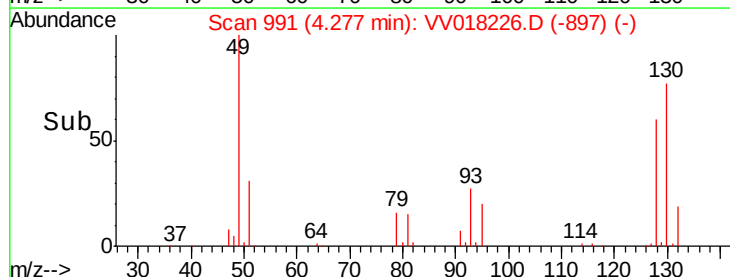
20000

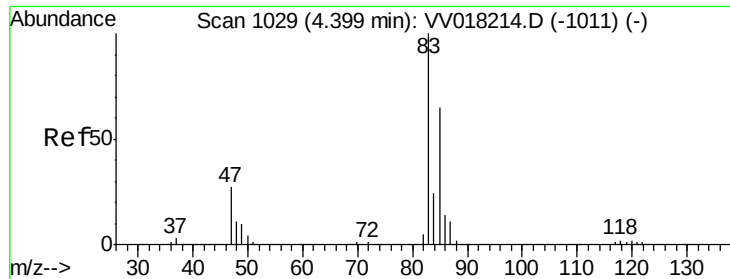
10000

0

Time-->

4.20 4.25 4.30 4.35 4.40

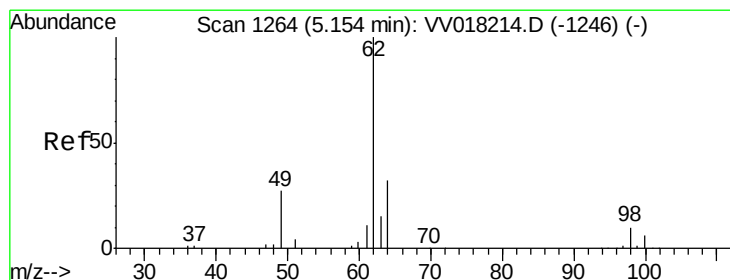
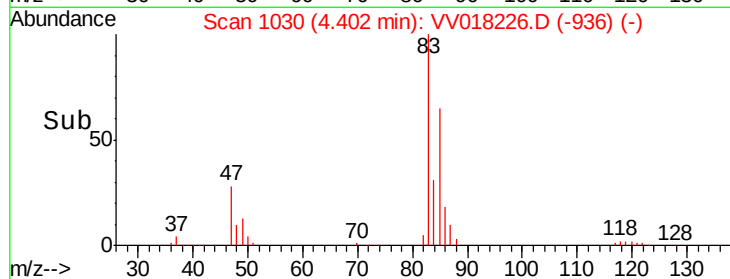
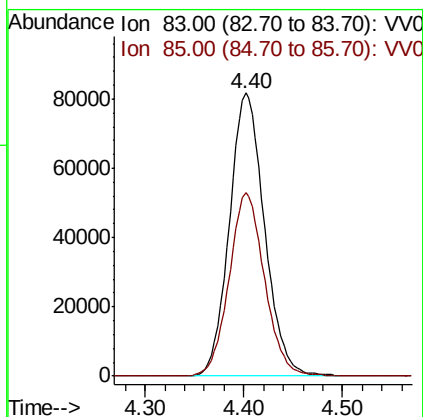
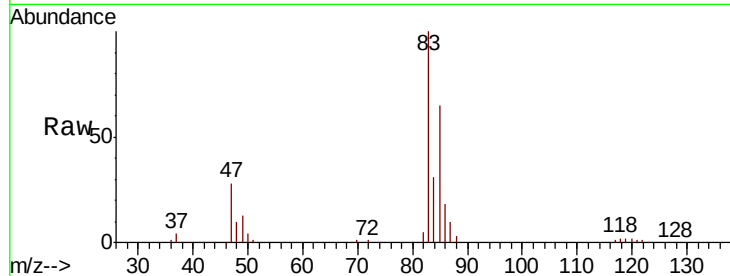




#25
Chloroform
Concen: 53.585 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

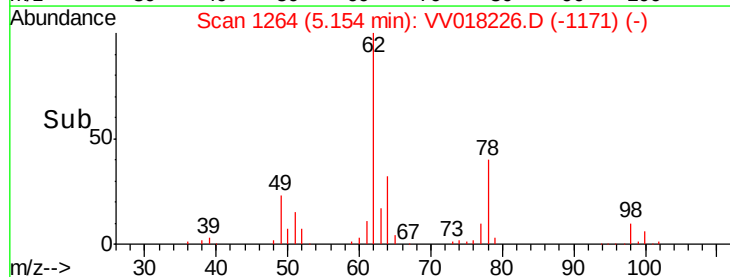
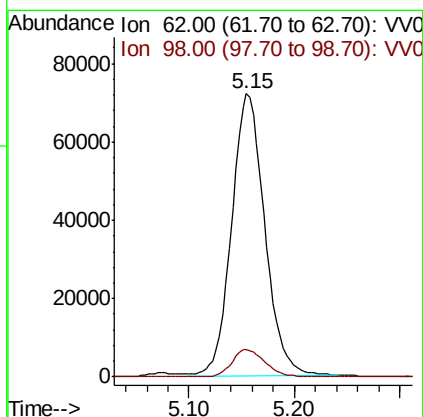
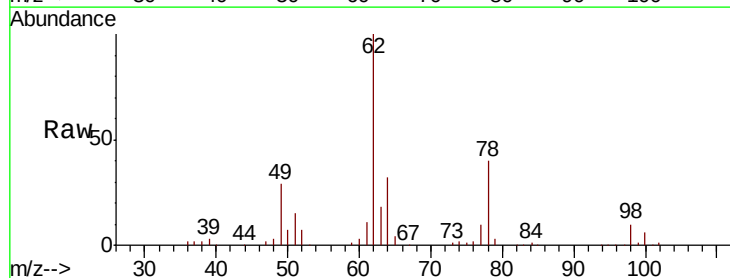
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

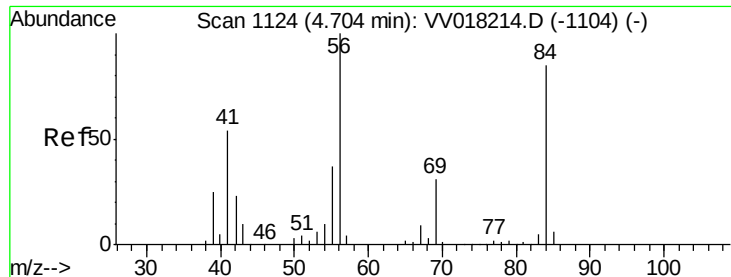
Tot Ion: 83 Resp: 202674
Ion Ratio Lower Upper
83 100
85 64.7 45.0 83.6



#27
1,2-Dichloroethane
Concen: 53.653 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Tgt Ion: 62 Resp: 157099
Ion Ratio Lower Upper
62 100
98 9.7 7.6 11.4

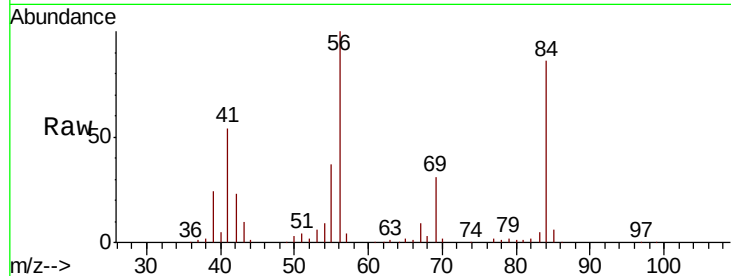




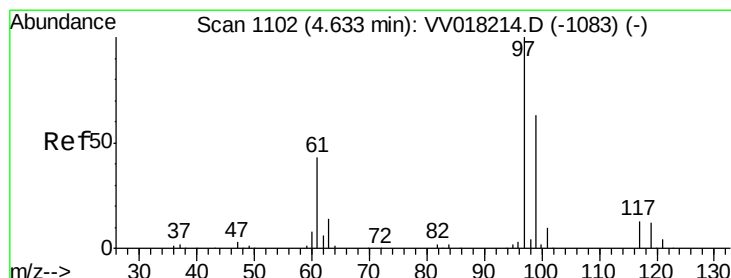
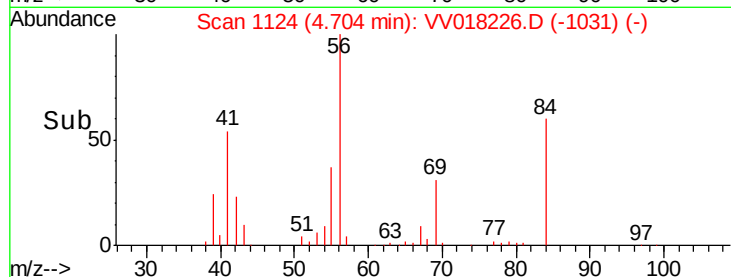
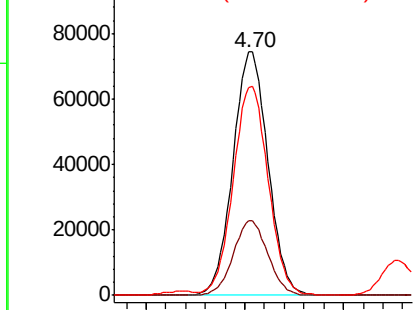
#29
Cyclohexane
Concen: 54.944 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Tot Ion: 56 Resp: 183306
Ion Ratio Lower Upper
56 100
69 30.2 24.2 36.2
84 86.2 68.3 102.5

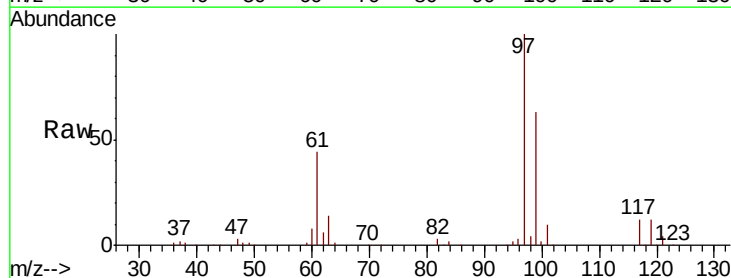


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

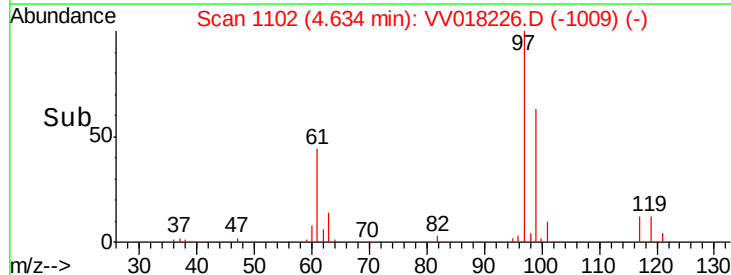
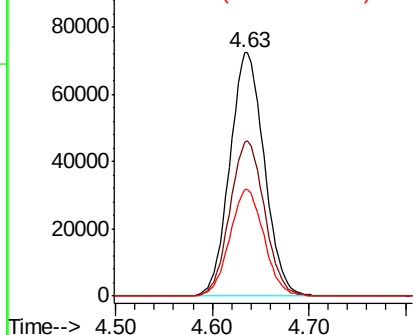


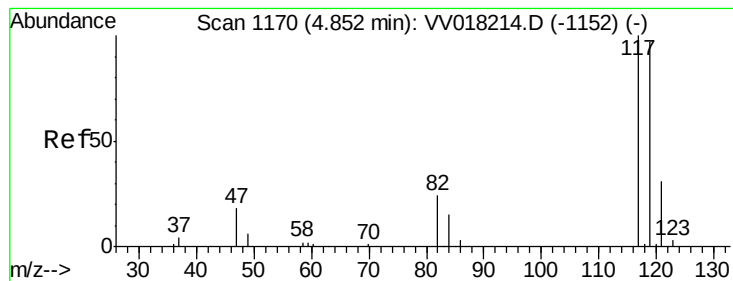
#30
1,1,1-Trichloroethane
Concen: 53.483 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Tgt Ion: 97 Resp: 179326
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: 53.298 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

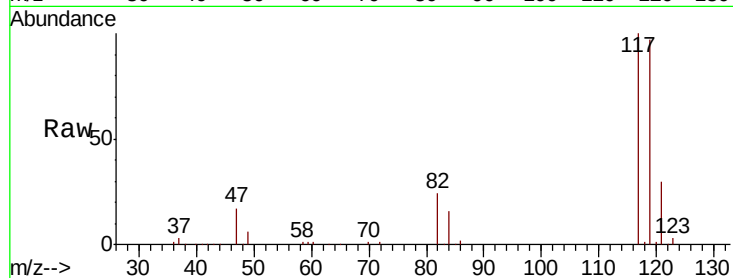
VSTD05071

Tot Ion:117 Resp: 157139

Ion Ratio Lower Upper

117 100

119 96.6 75.7 113.5



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V

4.86

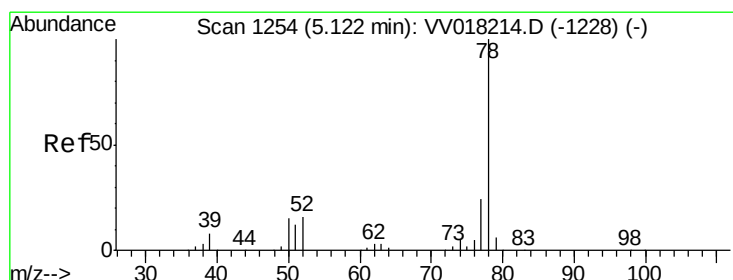
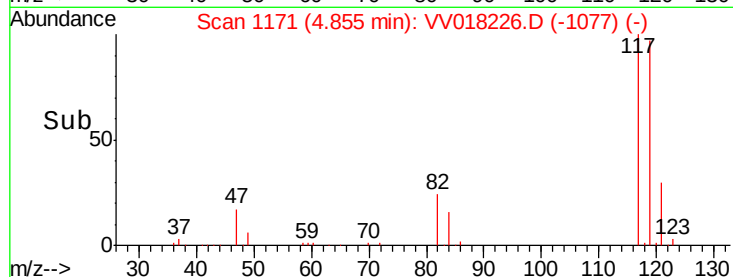
60000

40000

20000

0

Time-->



#33

Benzene

Concen: 53.722 ug/L

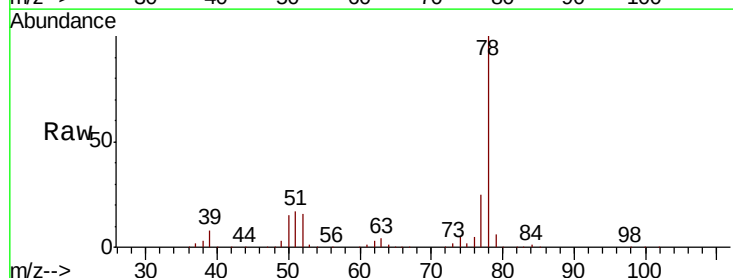
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Tgt Ion: 78 Resp: 443763



Abundance Ion 78.00 (77.70 to 78.70): VV0

200000

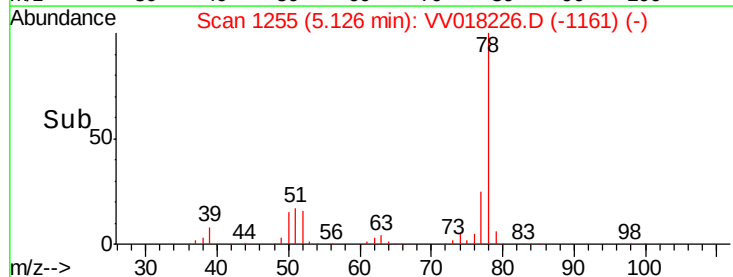
150000

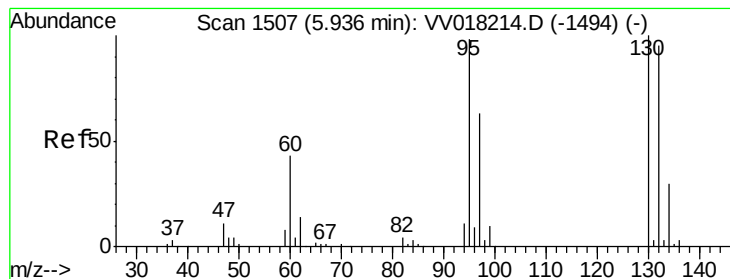
100000

50000

0

Time-->





#34

Trichloroethene

Concen: 50.763 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

Tot Ion: 95 Resp: 114228

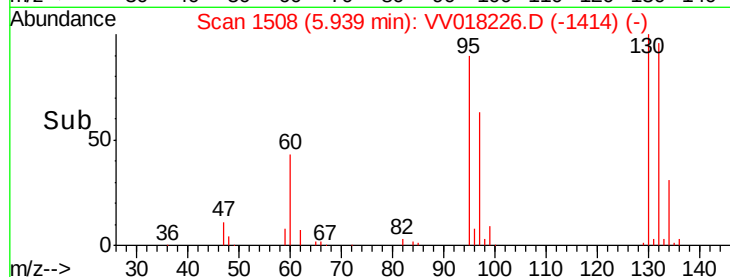
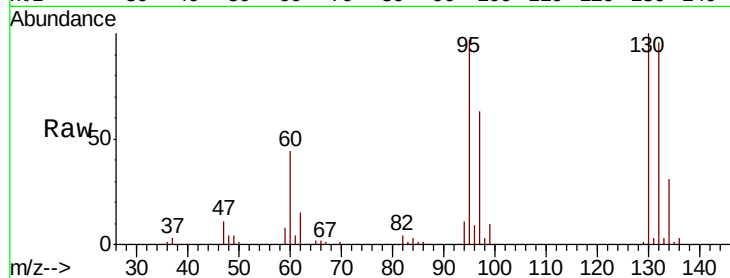
Ion Ratio Lower Upper

95 100

97 65.2 46.3 85.9

132 99.7 68.1 126.5

130 103.3 71.5 132.9

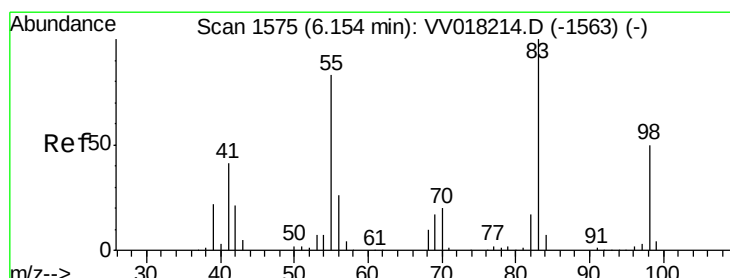
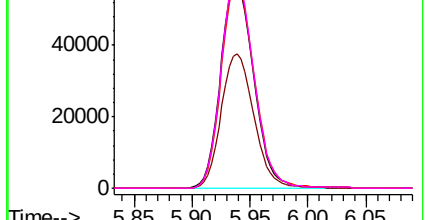


Abundance Ion 95.00 (94.70 to 95.70): VV018226.D (-1414) (-)

Ion 97.00 (96.70 to 97.70): VV018226.D (-1414) (-)

Ion 132.00 (131.70 to 132.70): VV018226.D (-1414) (-)

Ion 130.00 (129.70 to 130.70): VV018226.D (-1414) (-)



#35

Methylcyclohexane

Concen: 55.956 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

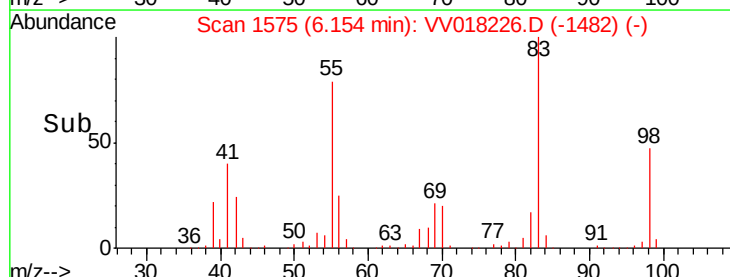
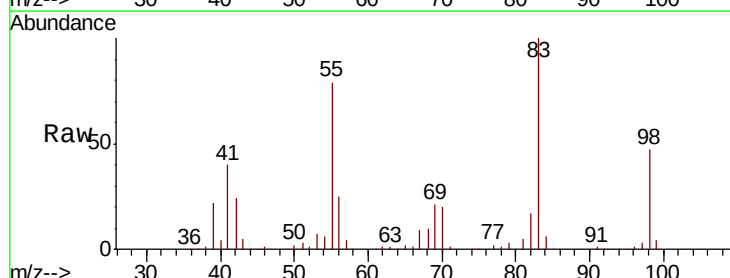
Tgt Ion: 83 Resp: 189583

Ion Ratio Lower Upper

83 100

55 79.3 63.4 95.2

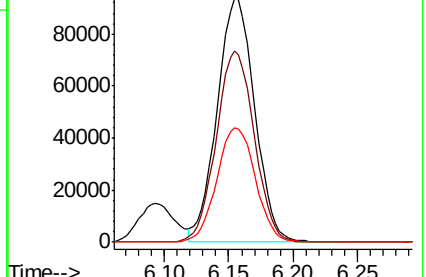
98 48.0 38.8 58.2

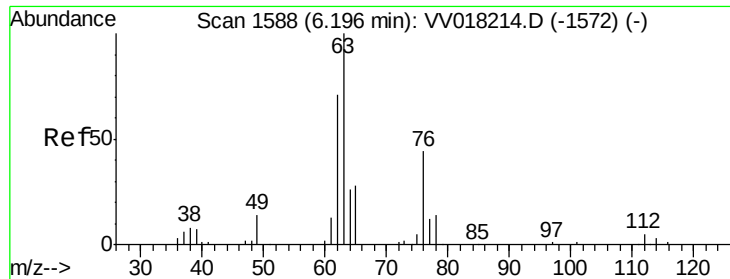


Abundance Ion 83.00 (82.70 to 83.70): VV018226.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV018226.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV018226.D (-1482) (-)

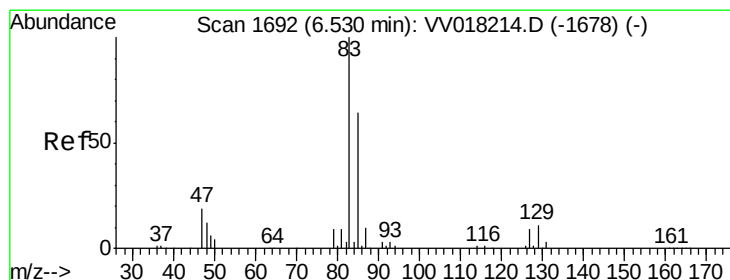
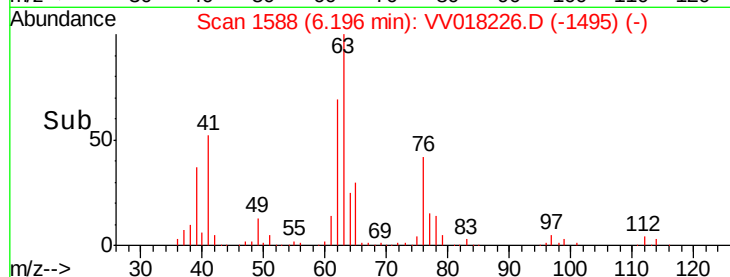
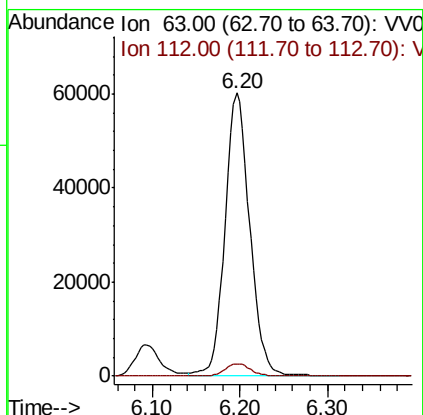
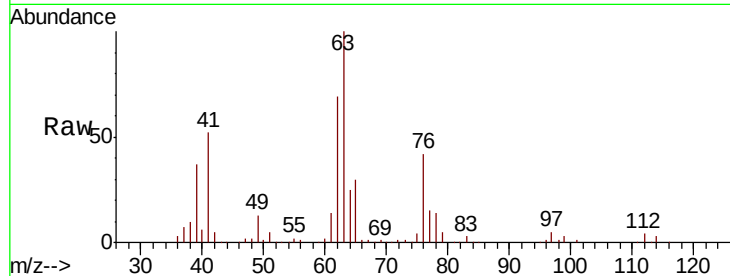




#37
 1,2-Dichloropropane
 Concen: 54.235 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

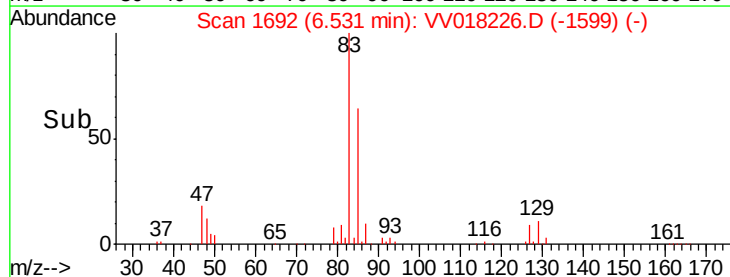
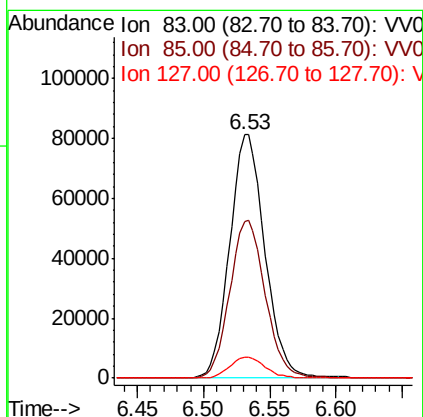
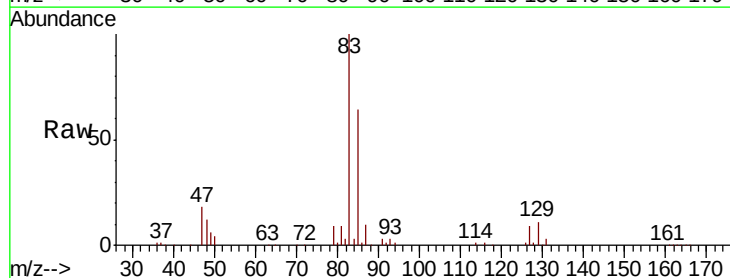
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

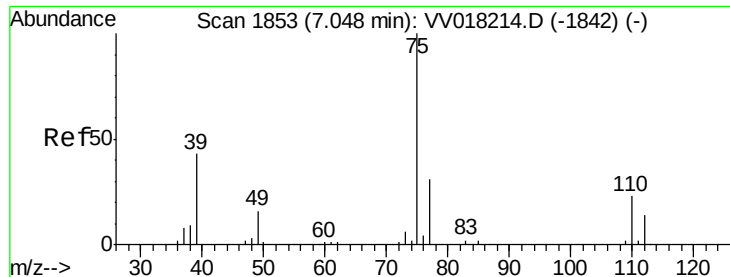
Tot Ion: 63 Resp: 118715
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.4 5.2



#38
 Bromodichloromethane
 Concen: 52.564 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

Tgt Ion: 83 Resp: 149730
 Ion Ratio Lower Upper
 83 100
 85 64.3 44.7 82.9
 127 8.7 6.7 10.1

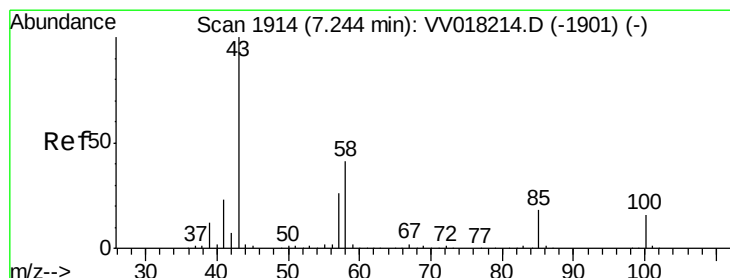
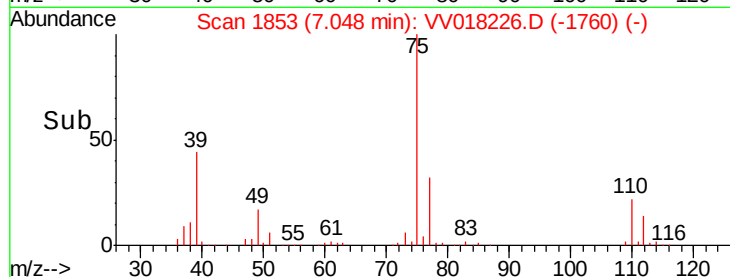
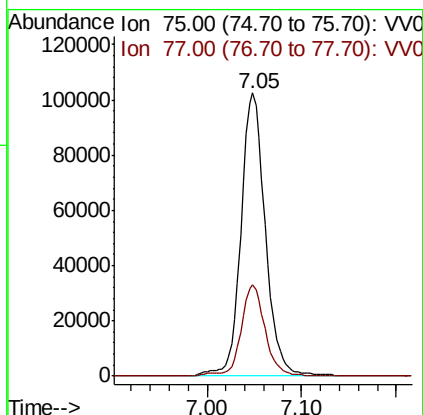
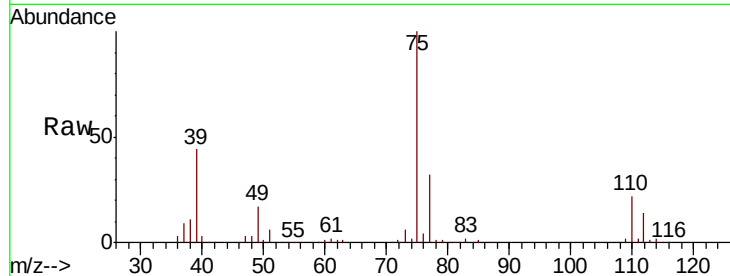




#39
 cis-1,3-Dichloropropene
 Concen: 54.481 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

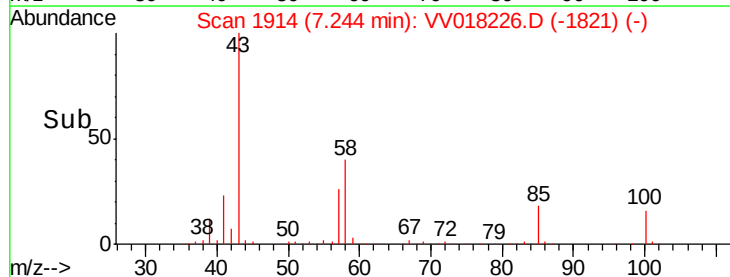
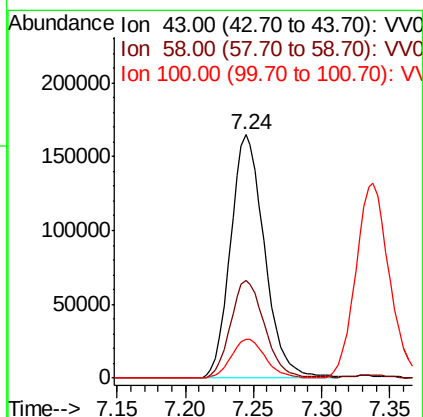
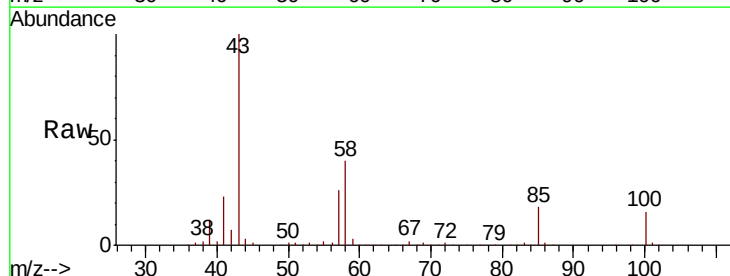
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

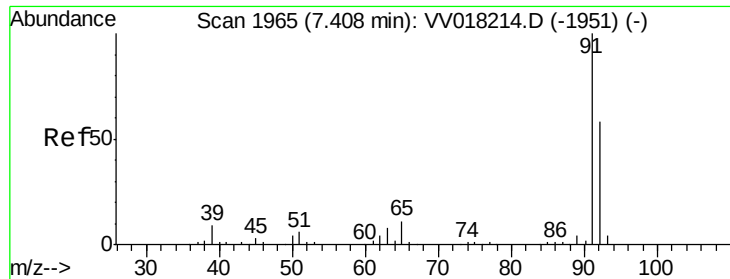
Tot Ion: 75 Resp: 183744
 Ion Ratio Lower Upper
 75 100
 77 32.1 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 107.405 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

Tgt Ion: 43 Resp: 285214
 Ion Ratio Lower Upper
 43 100
 58 40.3 32.4 48.6
 100 16.0 12.7 19.1





#42

Toluene

Concen: 55.252 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

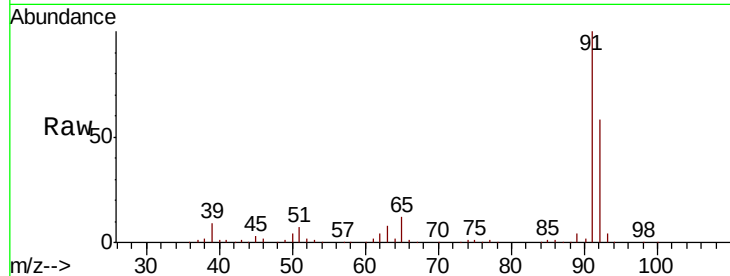
VSTD05071

Tot Ion: 91 Resp: 482997

Ion Ratio Lower Upper

91 100

92 58.4 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

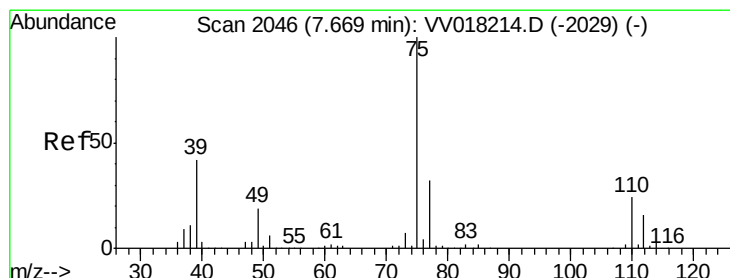
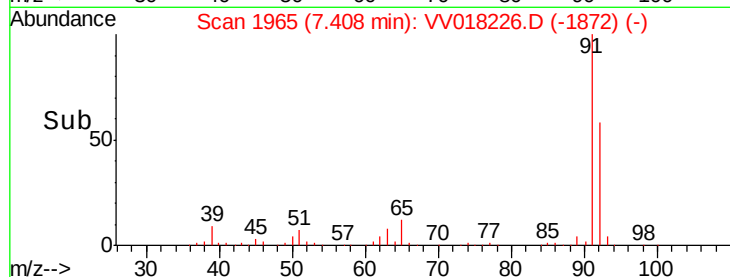
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 55.061 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018226.D

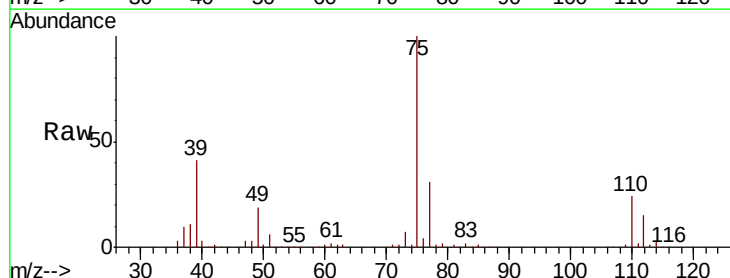
Acq: 15 Sep 2020 16:56

Tgt Ion: 75 Resp: 180808

Ion Ratio Lower Upper

75 100

77 31.2 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

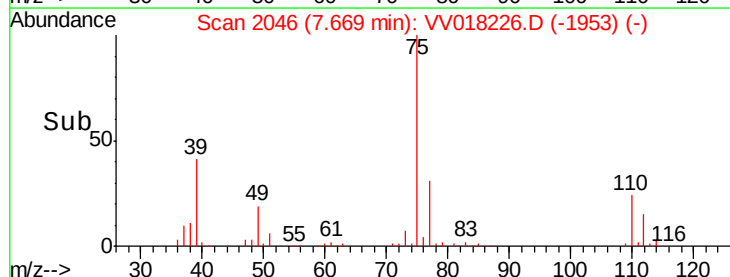
60000

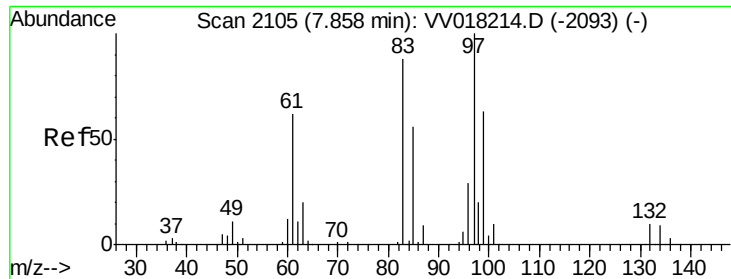
40000

20000

0

Time-->

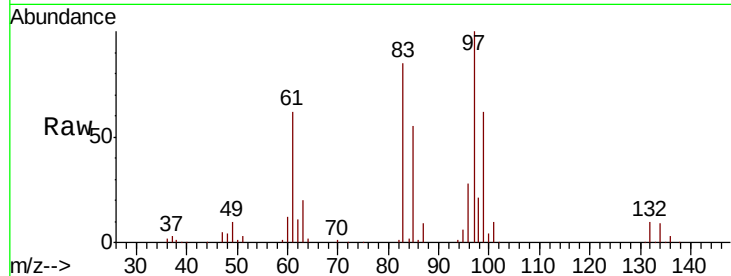




#45
1,1,2-Trichloroethane
Concen: 54.650 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

Tot Ion:	97	Resp:	110877
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.7	81.1
83	85.2	59.9	111.3
85	54.6	37.6	69.8



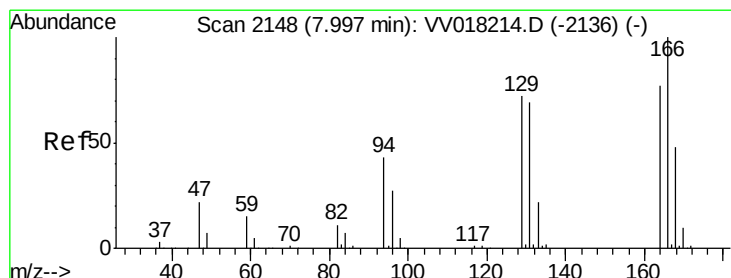
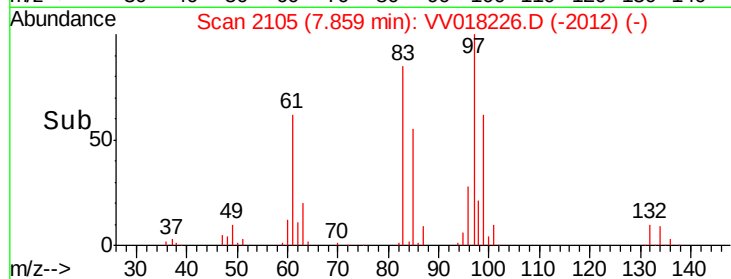
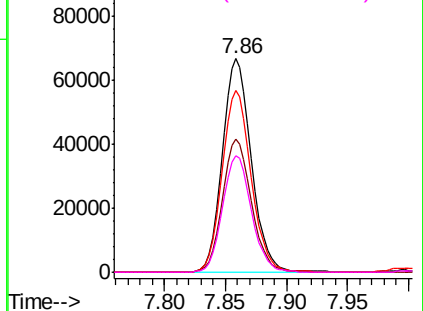
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

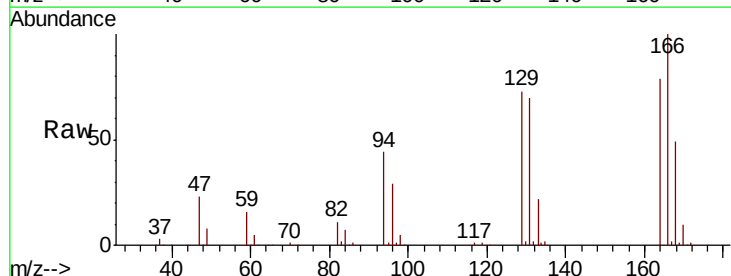
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
Tetrachloroethene
Concen: 55.369 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Tgt Ion:	164	Resp:	97690
Ion	Ratio	Lower	Upper
164	100		
129	92.2	64.5	119.7
131	89.6	61.8	114.8
166	127.2	90.6	168.2



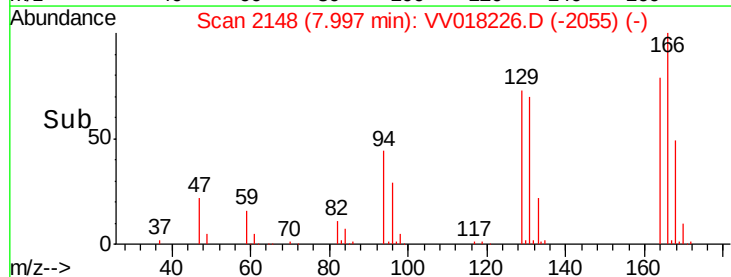
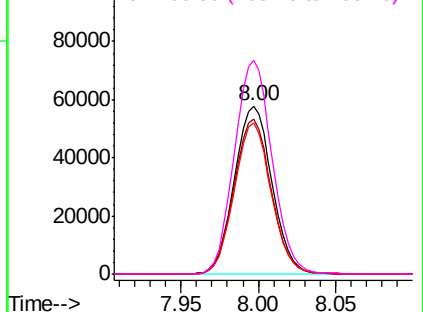
Abundance

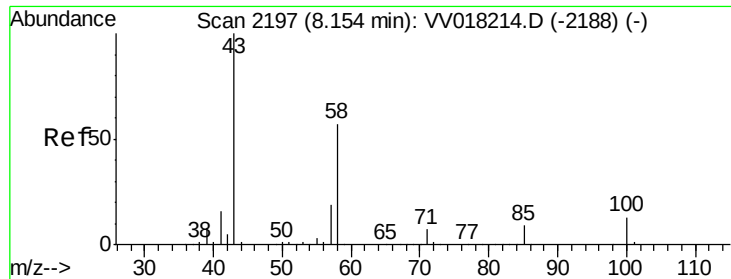
Ion 164.00 (163.70 to 164.70): V

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

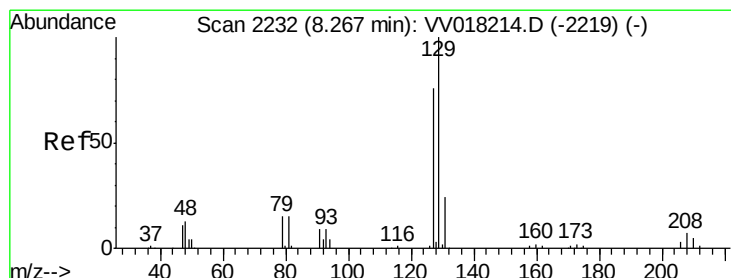
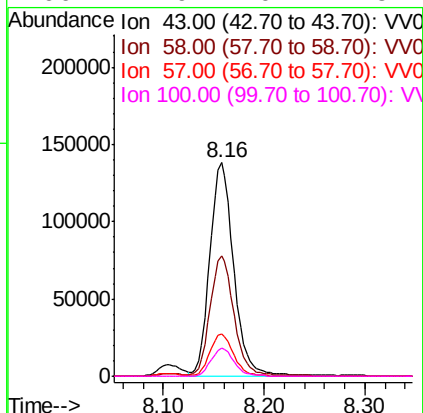
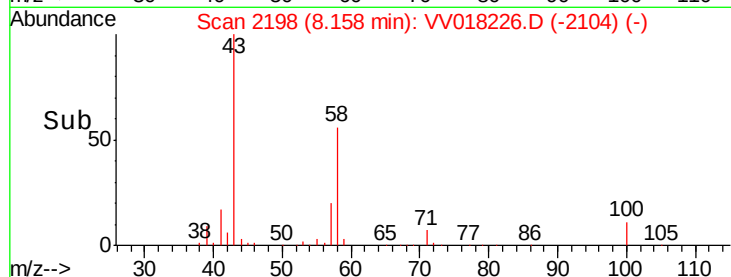
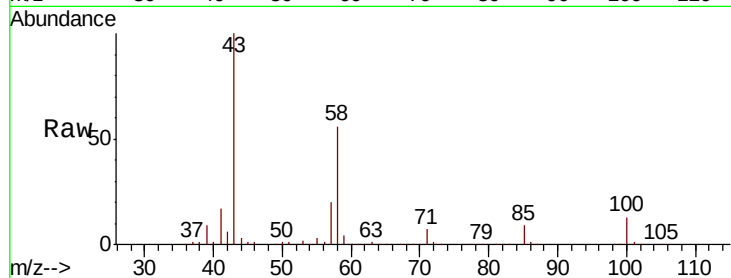




#48
2-Hexanone
Concen: 107.854 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

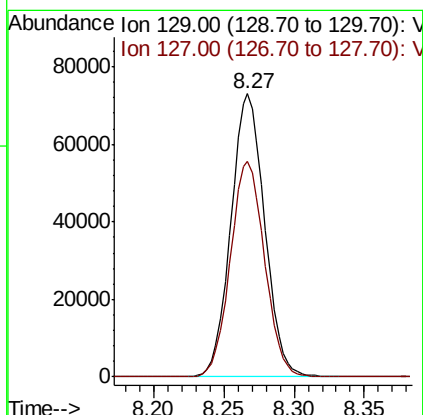
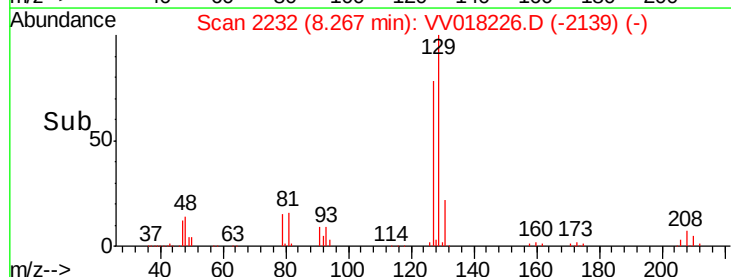
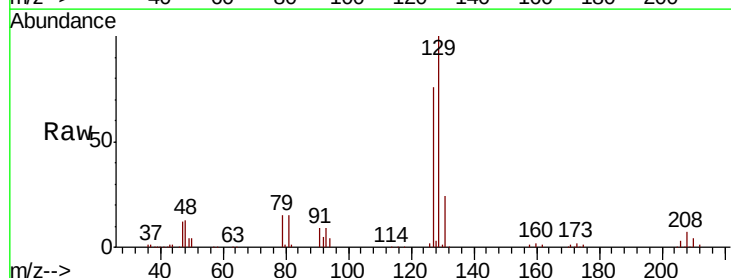
Instrument :
MSVOA_V
ClientSampleId :
VSTD05071

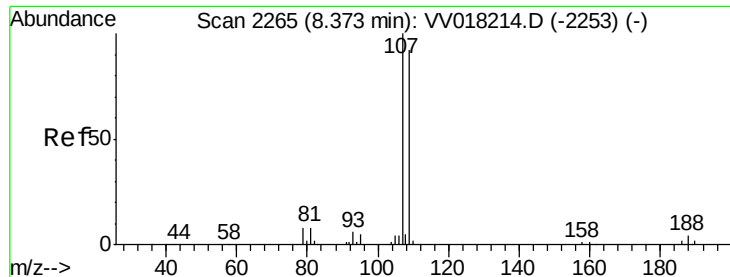
Tot Ion: 43 Resp: 225799
Ion Ratio Lower Upper
43 100
58 56.1 44.8 67.2
57 19.7 15.8 23.6
100 12.9 10.2 15.4



#49
Dibromochloromethane
Concen: 53.696 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018226.D
Acq: 15 Sep 2020 16:56

Tgt Ion: 129 Resp: 122283
Ion Ratio Lower Upper
129 100
127 76.3 54.5 101.1

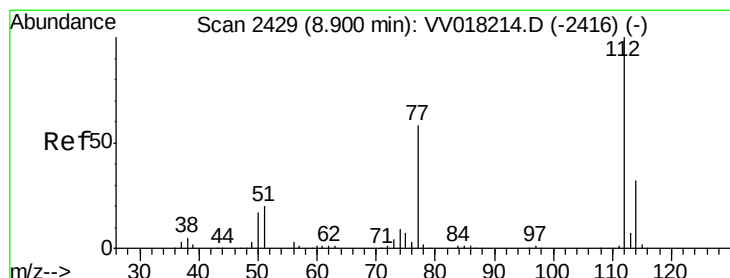
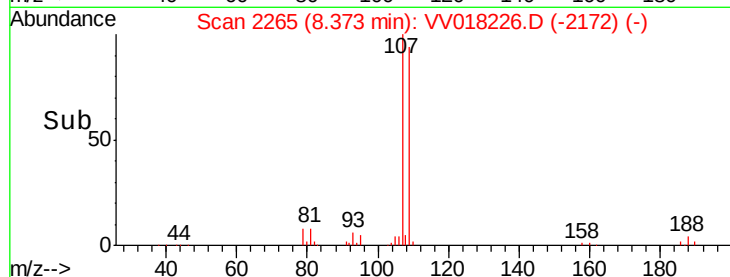
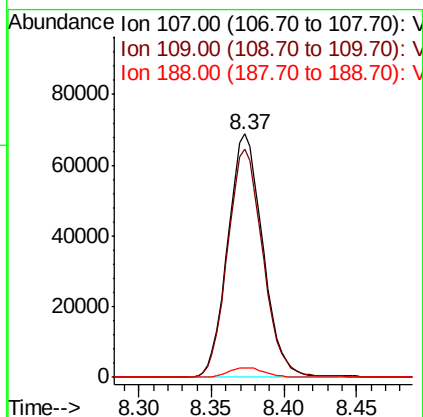
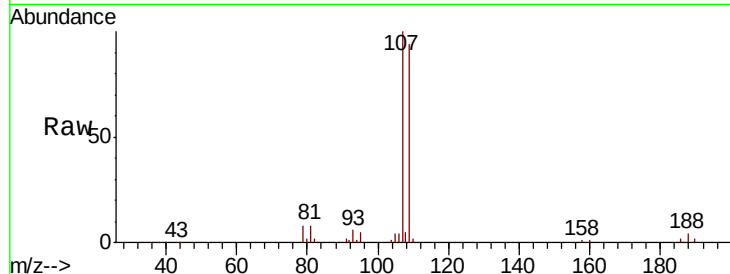




#50
 1,2-Dibromoethane
 Concen: 54.000 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

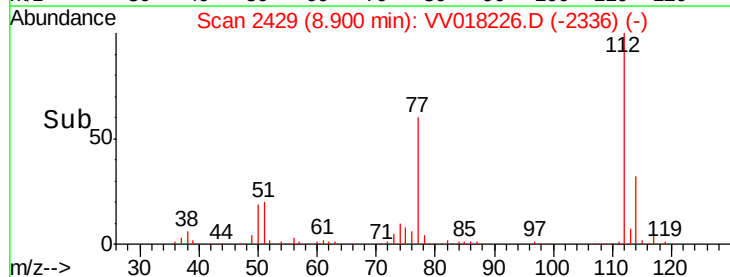
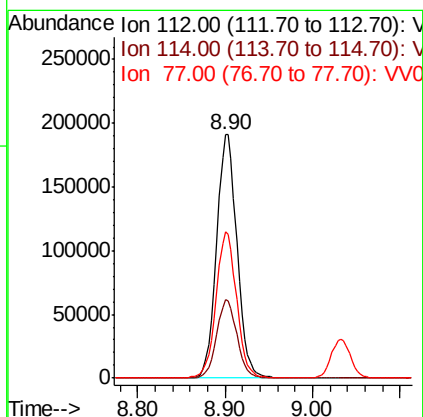
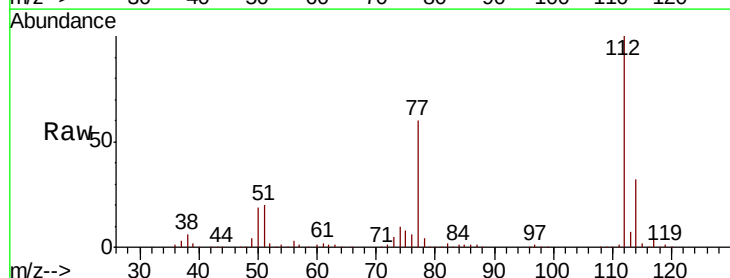
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

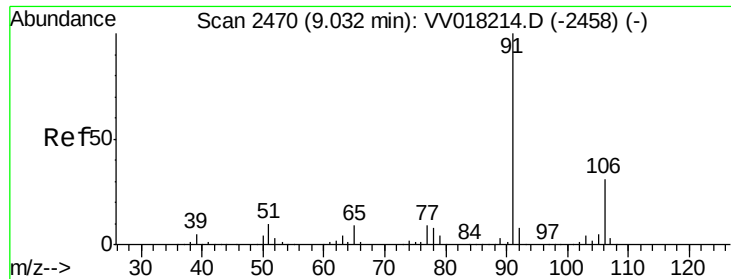
Tot Ion	Ratio	Lower	Upper
107	100		
109	93.6	66.1	122.8
188	4.1	3.2	4.8



#51
 Chlorobenzene
 Concen: 54.719 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.6	42.0
77	60.0	48.0	72.0





#52

Ethylbenzene

Concen: 56.188 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

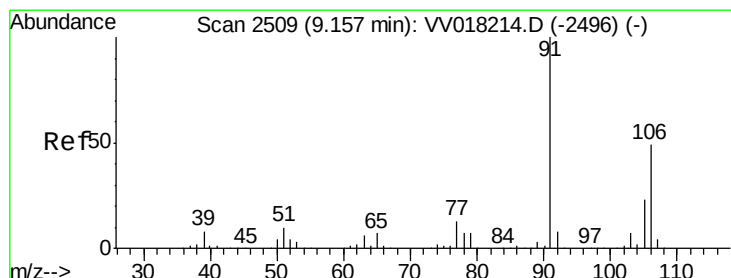
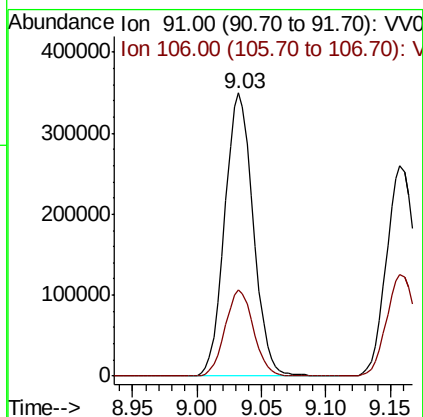
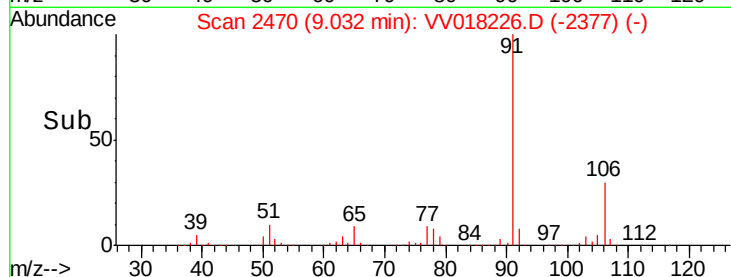
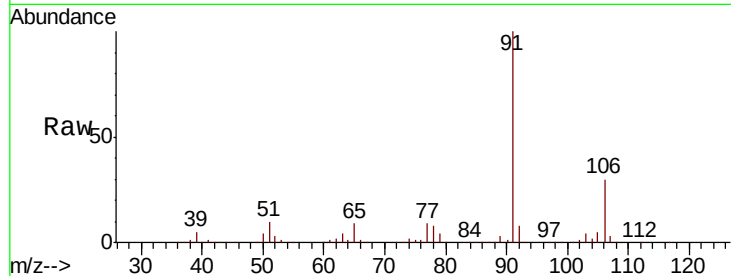
VSTD05071

Tot Ion: 91 Resp: 536246

Ion Ratio Lower Upper

91 100

106 30.4 21.3 39.5



#53

m,p-Xylene

Concen: 56.375 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018226.D

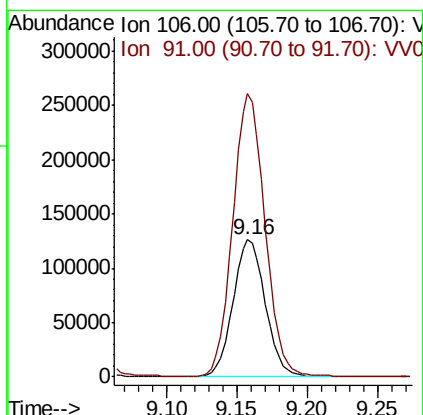
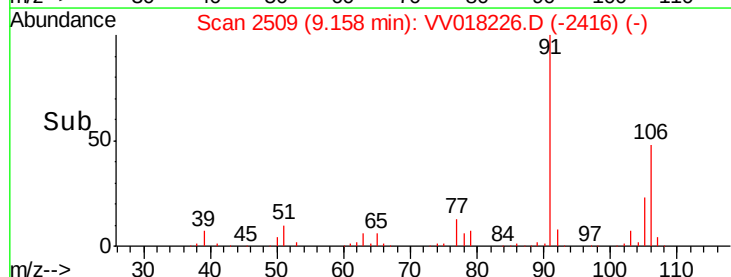
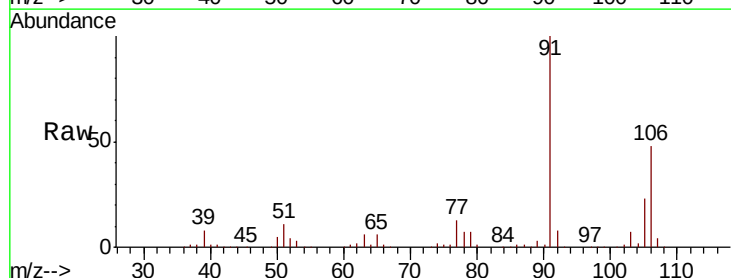
Acq: 15 Sep 2020 16:56

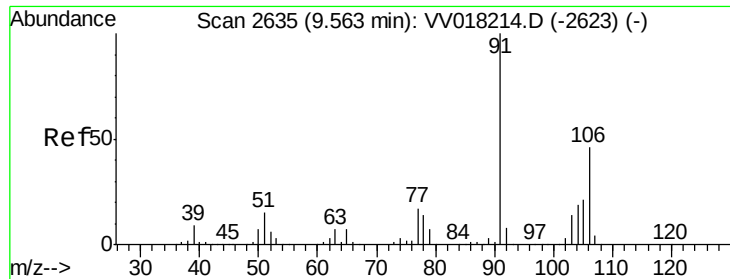
Tgt Ion: 106 Resp: 200824

Ion Ratio Lower Upper

106 100

91 206.4 146.7 272.5





#54

o-xylene

Concen: 56.569 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

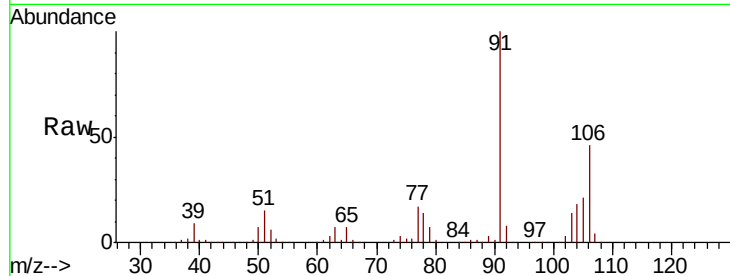
VSTD05071

Tot Ion:106 Resp: 194137

Ion Ratio Lower Upper

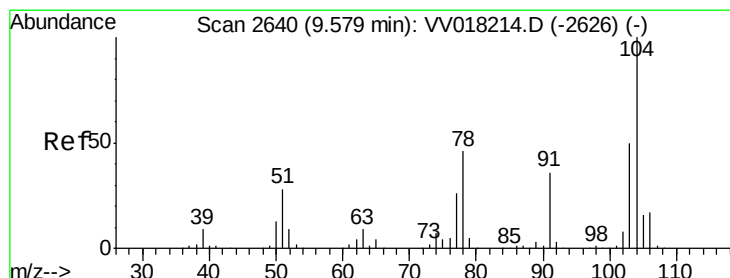
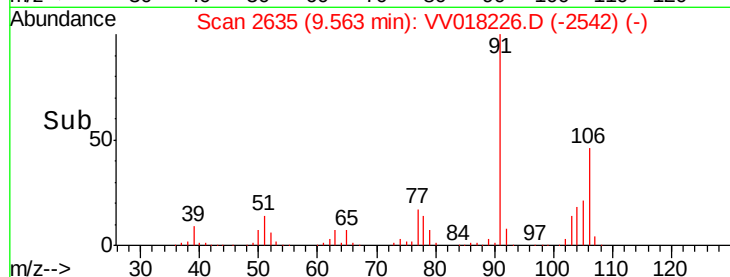
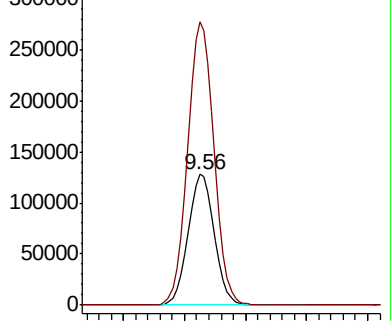
106 100

91 216.9 152.2 282.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 57.995 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. 0.00 min

Lab File: VV018226.D

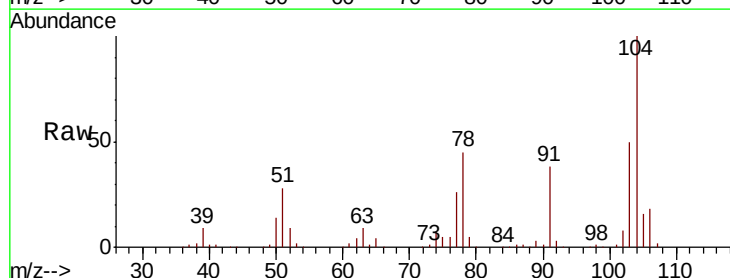
Acq: 15 Sep 2020 16:56

Tgt Ion:104 Resp: 345943

Ion Ratio Lower Upper

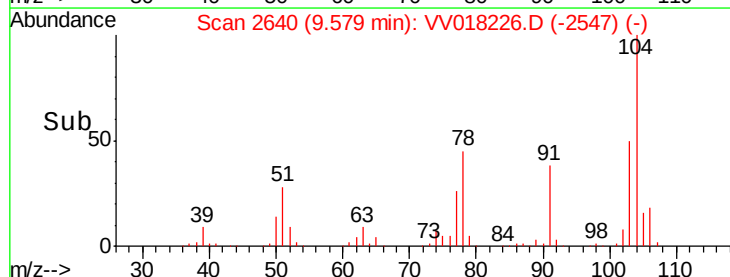
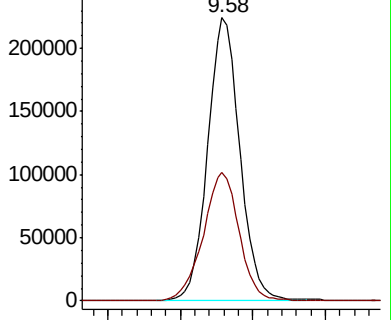
104 100

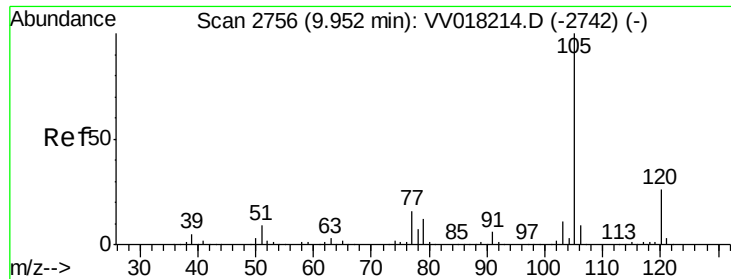
78 45.5 31.4 58.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 57.054 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

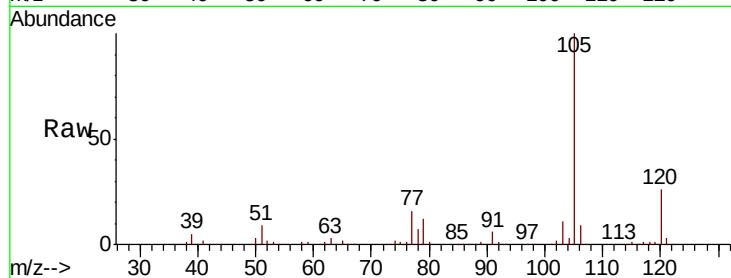
Tot Ion:105 Resp: 527706

Ion Ratio Lower Upper

105 100

120 26.0 20.9 31.3

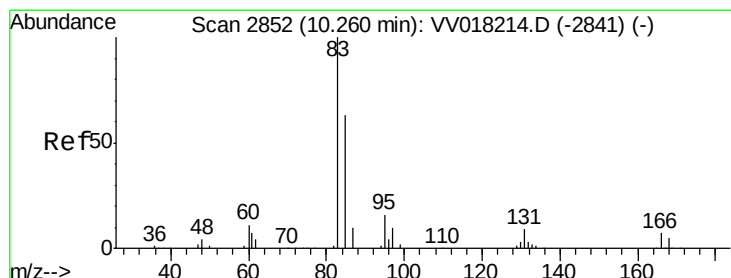
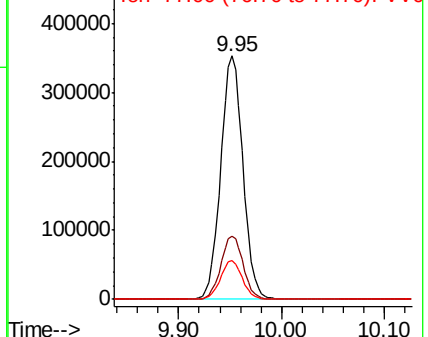
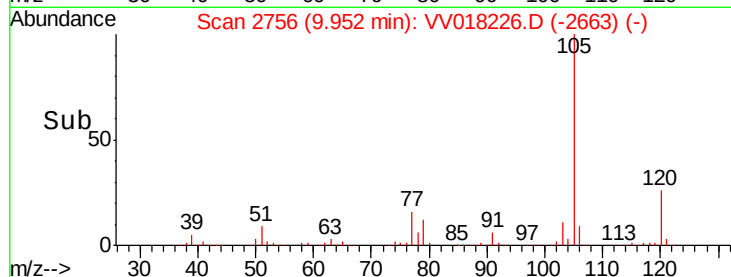
77 15.6 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 58.238 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

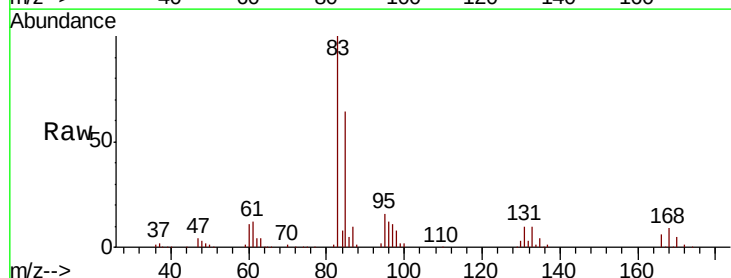
Tgt Ion: 83 Resp: 174780

Ion Ratio Lower Upper

83 100

85 64.3 45.8 85.2

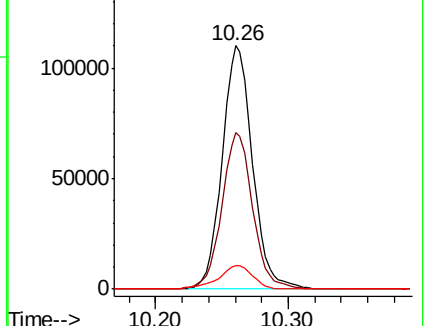
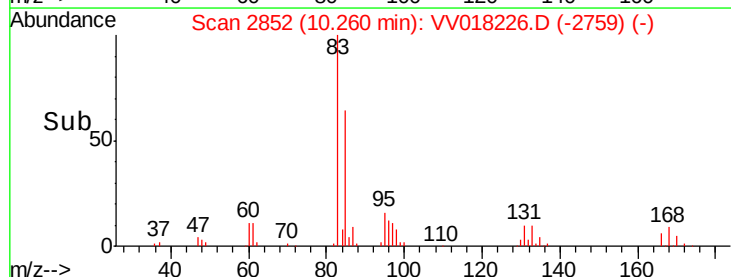
131 9.8 8.0 12.0

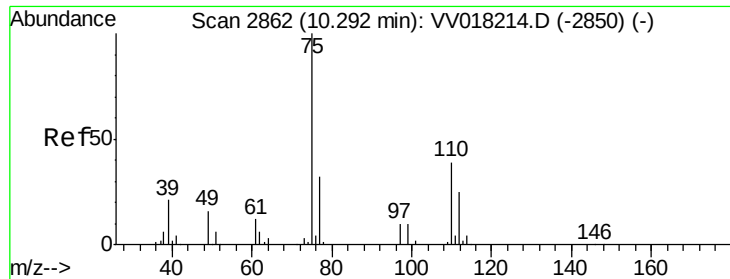


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 53.675 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

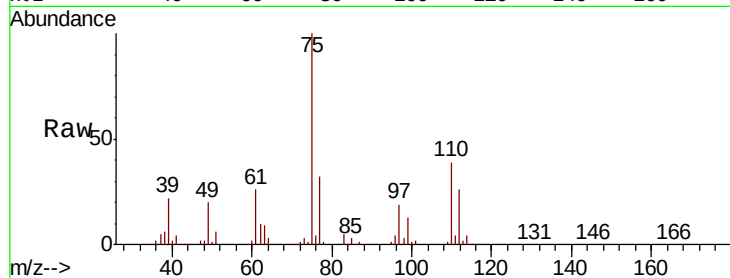
VSTD05071

Tot Ion: 75 Resp: 138190

Ion Ratio Lower Upper

75 100

77 32.1 25.8 38.6

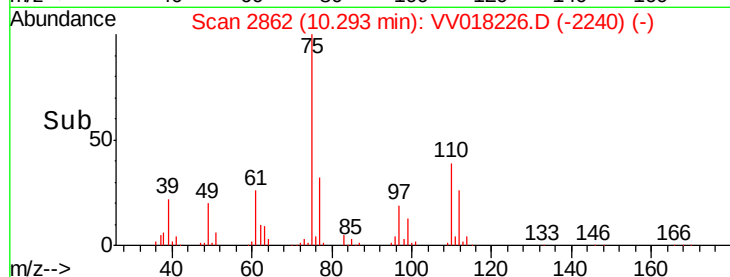


Abundance Ion 75.00 (74.70 to 75.70): VV018214.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018214.D (-2850) (-)

10.29

Time-->

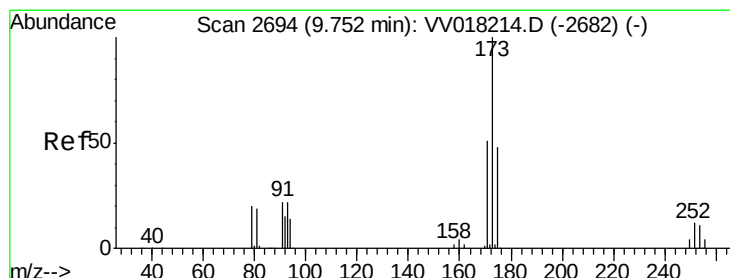


Abundance Ion 75.00 (74.70 to 75.70): VV018226.D (-2240) (-)

Ion 77.00 (76.70 to 77.70): VV018226.D (-2240) (-)

10.29

Time-->



#61

Bromoform

Concen: 52.999 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

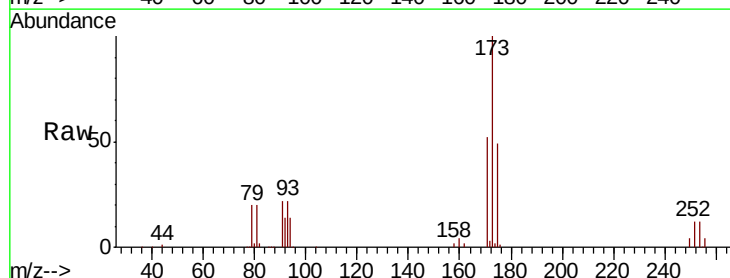
Tgt Ion: 173 Resp: 92074

Ion Ratio Lower Upper

173 100

175 48.9 39.0 58.6

254 11.6 9.0 13.4



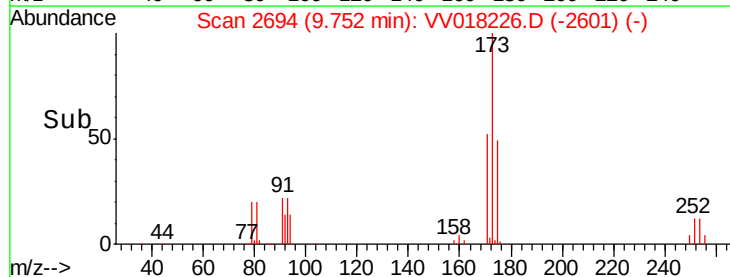
Abundance Ion 173.00 (172.70 to 173.70): VV018214.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018214.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018214.D (-2682) (-)

9.75

Time-->



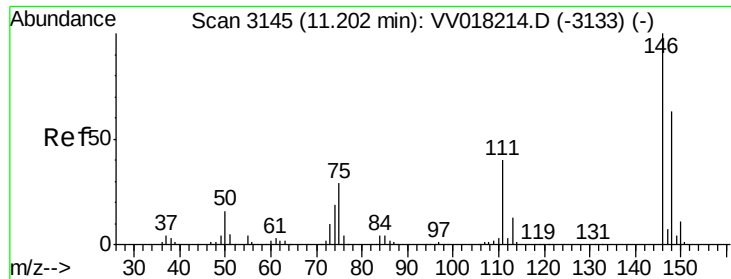
Abundance Ion 173.00 (172.70 to 173.70): VV018226.D (-2601) (-)

Ion 175.00 (174.70 to 175.70): VV018226.D (-2601) (-)

Ion 254.00 (253.70 to 254.70): VV018226.D (-2601) (-)

9.75

Time-->



#62

1,3-Dichlorobenzene

Concen: 54.445 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

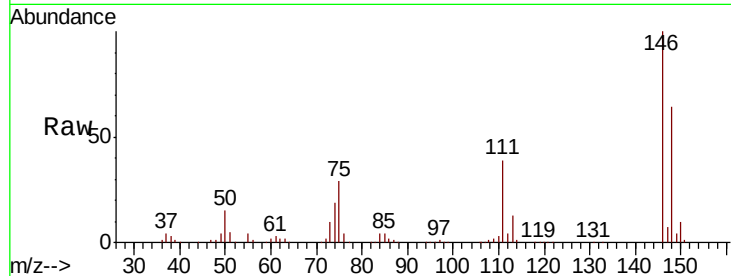
Tot Ion:146 Resp: 261810

Ion Ratio Lower Upper

146 100

111 39.3 27.6 51.2

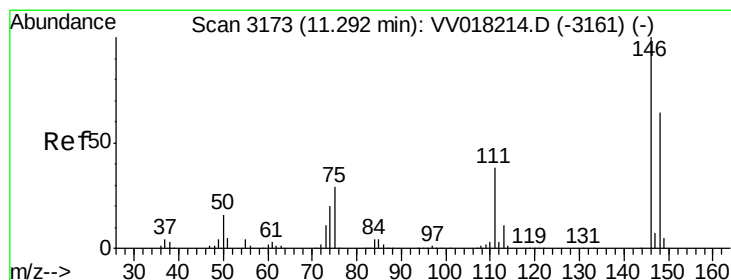
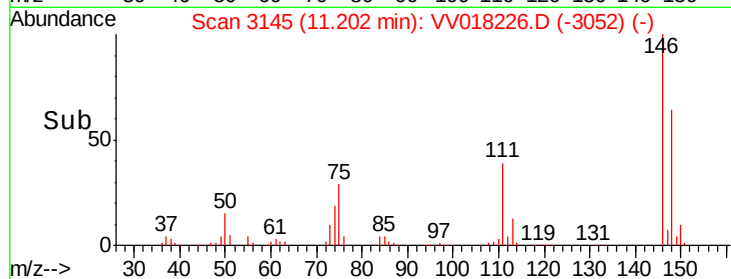
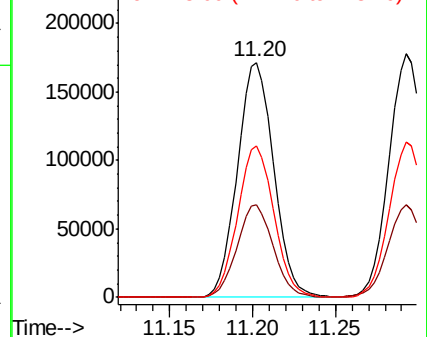
148 64.2 45.4 84.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 54.404 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

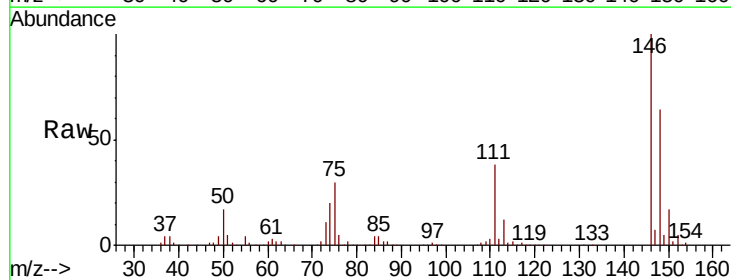
Tgt Ion:146 Resp: 268899

Ion Ratio Lower Upper

146 100

111 38.0 27.1 50.3

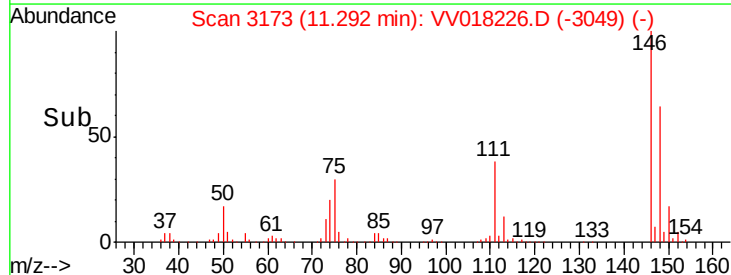
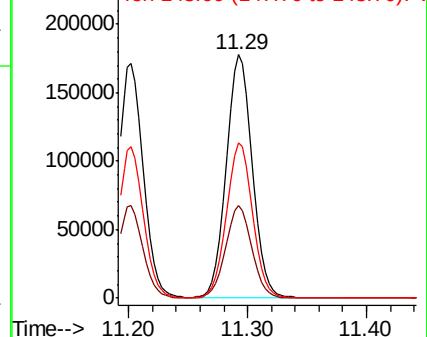
148 63.6 45.4 84.2

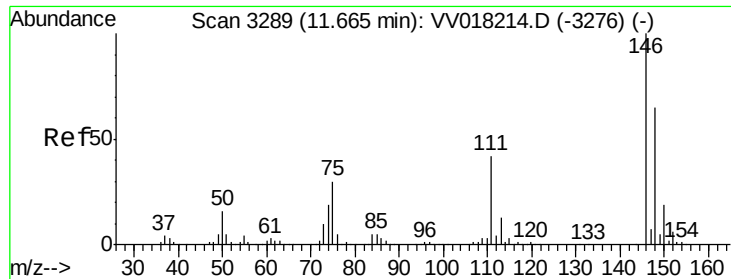


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.914 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

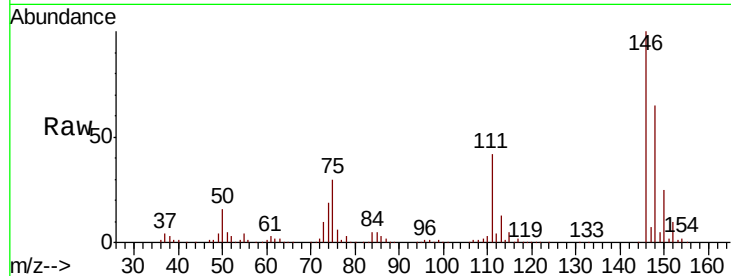
Tot Ion:146 Resp: 257189

Ion Ratio Lower Upper

146 100

111 41.8 32.8 49.2

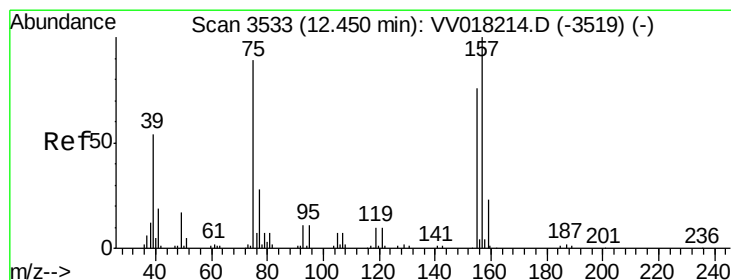
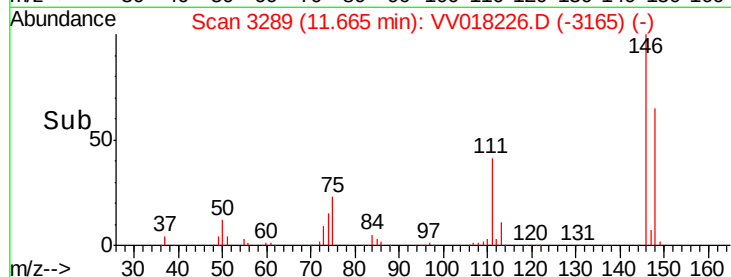
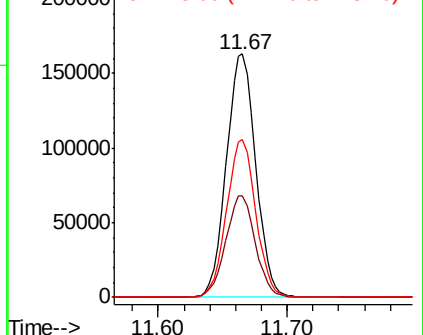
148 64.9 50.7 76.1



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: 54.910 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

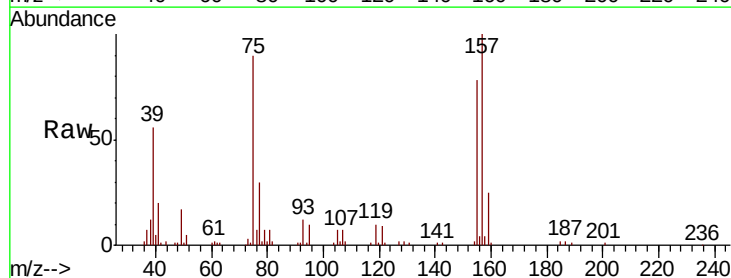
Tgt Ion: 75 Resp: 37662

Ion Ratio Lower Upper

75 100

155 86.9 69.7 104.5

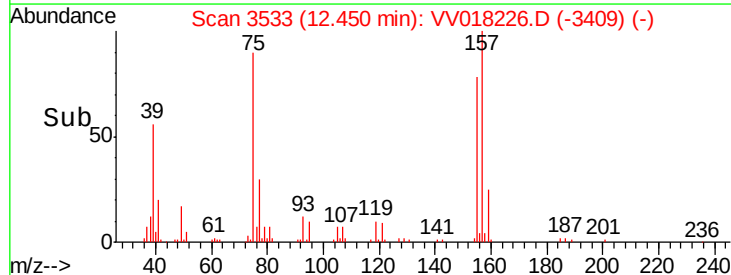
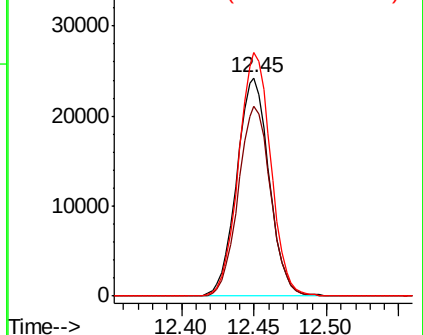
157 111.4 88.2 132.4

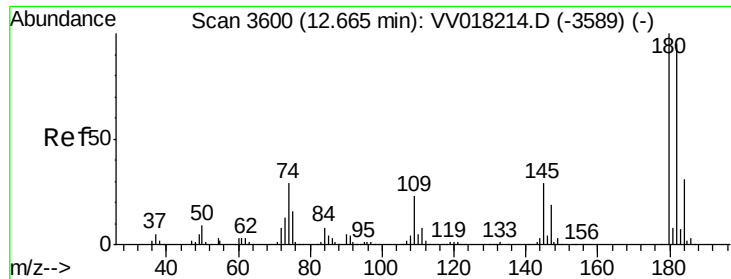


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

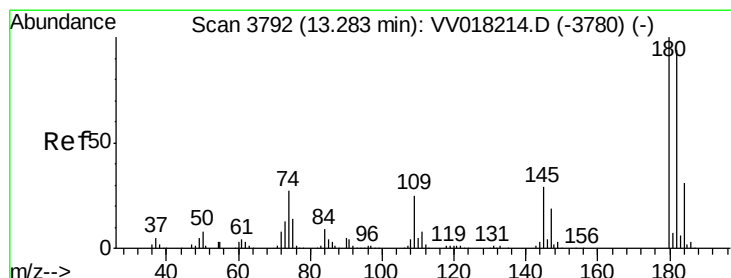
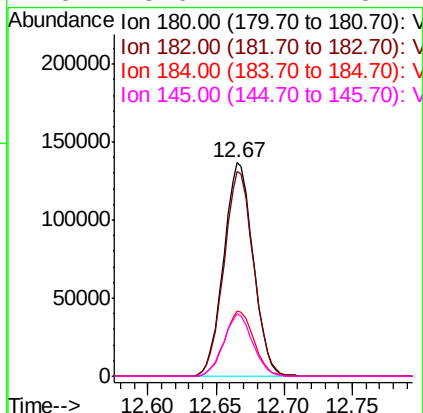
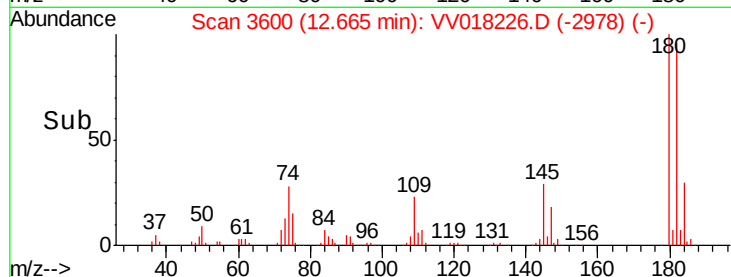
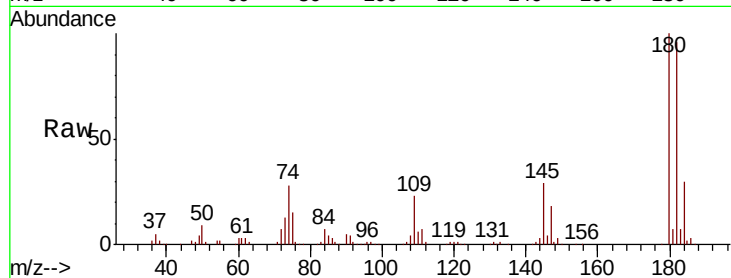




#67
 1,3,5-Trichlorobenzene
 Concen: 54.361 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

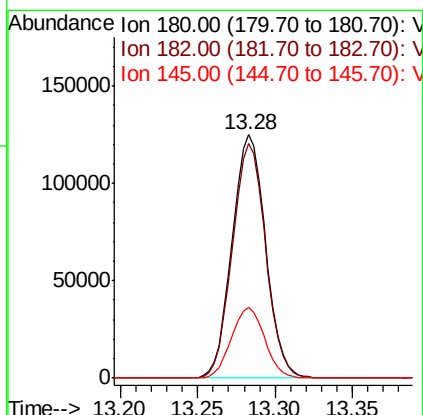
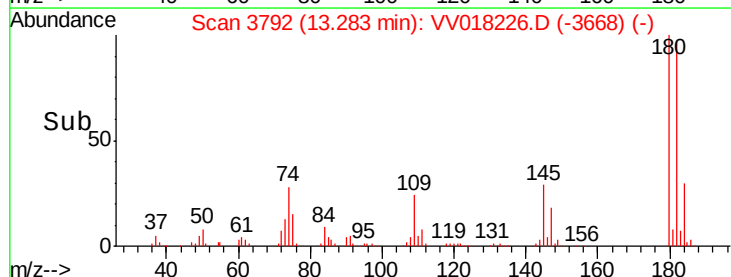
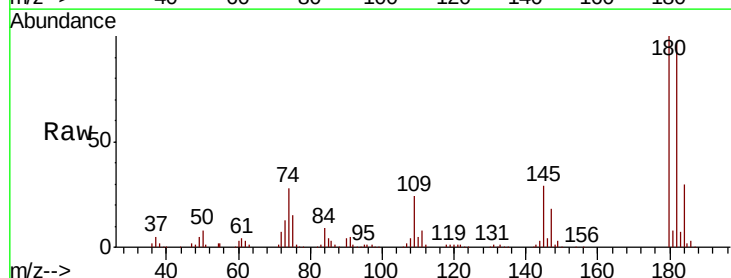
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05071

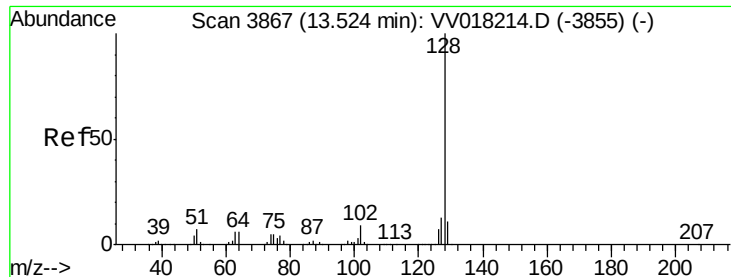
Tot Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.8	115.2
184	30.6	24.6	36.8
145	28.6	22.7	34.1



#68
 1,2,4-trichlorobenzene
 Concen: 55.624 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018226.D
 Acq: 15 Sep 2020 16:56

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.4	116.2
145	28.8	23.2	34.8





#69

Naphthalene

Concen: 61.147 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

Instrument :

MSVOA_V

ClientSampleId :

VSTD05071

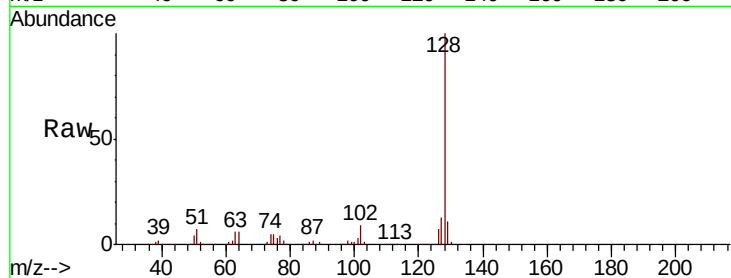
Tot Ion:128 Resp: 522311

Ion Ratio Lower Upper

128 100

127 12.9 10.6 15.8

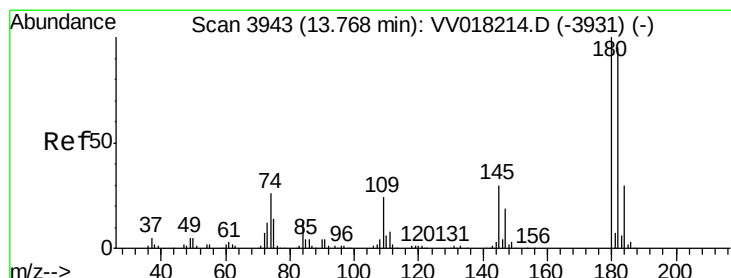
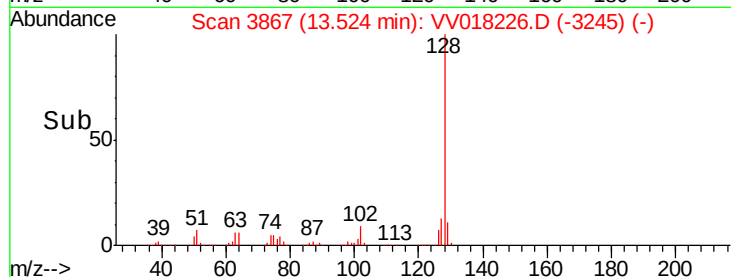
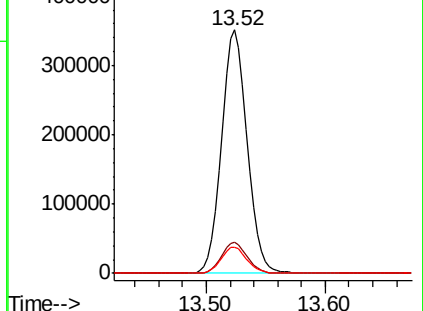
129 10.8 8.6 13.0



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: 56.095 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018226.D

Acq: 15 Sep 2020 16:56

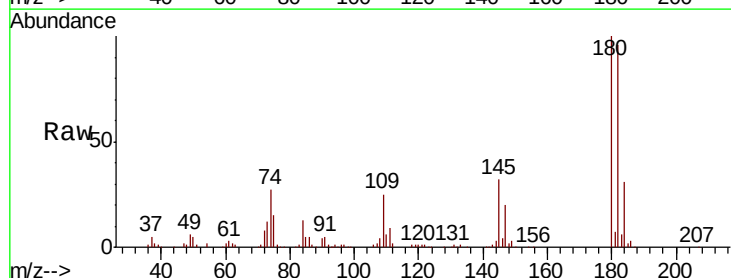
Tgt Ion:180 Resp: 186515

Ion Ratio Lower Upper

180 100

182 96.2 76.5 114.7

145 31.3 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

