

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV103020\
 Data File : VV019194.D
 Acq On : 30 Oct 2020 19:01
 Operator : SY/MD
 Sample : VSTDCCC050EC
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Quant Time: Oct 31 03:05:36 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Sat Oct 31 02:55:48 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	238030	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	233852	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	129822	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	70641	37.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.68%
7) Chloroethane-d5	1.58	69	57500	39.13	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	78.26%
11) 1,1-Dichloroethene-d2	2.13	63	154203	42.85	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	85.70%
21) 2-Butanone-d5	3.90	46	102254	88.26	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	88.26%
24) Chloroform-d	4.38	84	158958	45.17	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	90.34%
26) 1,2-Dichloroethane-d4	5.06	65	109185	44.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.06%
32) Benzene-d6	5.07	84	288468	43.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	86.96%
36) 1,2-Dichloropropane-d6	6.09	67	86720	43.84	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	87.68%
41) Toluene-d8	7.34	98	280703	44.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.10%
43) trans-1,3-Dichloropropene-	7.64	79	50780	44.37	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	88.74%
47) 2-Hexanone-d5	8.11	63	75260	87.86	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	87.86%
57) 1,1,2,2-Tetrachloroethane-	10.23	84	119426	44.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	89.56%
64) 1,2-Dichlorobenzene-d4	11.65	152	119383	43.77	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	87.54%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	101172	48.406	ug/L	98
3) Chloromethane	1.25	50	93814	49.428	ug/L	99
5) Vinyl chloride	1.32	62	95555	49.175	ug/L	98
6) Bromomethane	1.53	94	62438	47.969	ug/L	95
8) Chloroethane	1.60	64	59568	49.302	ug/L	98
9) Trichlorofluoromethane	1.77	101	158371	48.900	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	75246	48.278	ug/L	99
12) 1,1-Dichloroethene	2.14	96	74094	48.541	ug/L	86
13) Acetone	2.19	43	82445	76.597	ug/L	98
14) Carbon disulfide	2.31	76	231388	47.691	ug/L	100
15) Methyl Acetate	2.44	43	82020	47.285	ug/L	100
16) Methylene chloride	2.52	84	83457	48.150	ug/L	97
17) trans-1,2-Dichloroethene	2.78	96	80840	49.309	ug/L	97
18) Methyl tert-butyl Ether	2.78	73	266374	48.522	ug/L	99
19) 1,1-Dichloroethane	3.21	63	151560	49.619	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	85681	47.619	ug/L	97
22) 2-Butanone	3.99	43	112009	95.540	ug/L	99

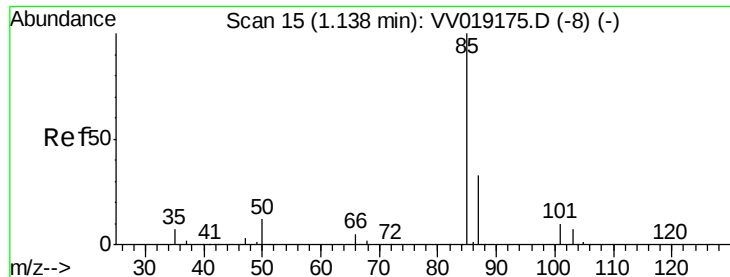
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	46890	48.564	ug/L	97
25) Chloroform	4.40	83	163255	49.460	ug/L	99
27) 1,2-Dichloroethane	5.15	62	139032	49.477	ug/L	99
29) Cyclohexane	4.70	56	127948	49.009	ug/L	99
30) 1,1,1-Trichloroethane	4.64	97	152613	48.159	ug/L	99
31) Carbon tetrachloride	4.86	117	137134	48.801	ug/L	100
33) Benzene	5.13	78	328878	48.777	ug/L	100
34) Trichloroethene	5.94	95	90094	48.776	ug/L	97
35) Methylcyclohexane	6.15	83	120785	48.439	ug/L	99
37) 1,2-Dichloropropane	6.20	63	84621	50.537	ug/L	100
38) Bromodichloromethane	6.53	83	120823	48.506	ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	134134	48.498	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	228476	98.911	ug/L	99
42) Toluene	7.41	91	365881	49.500	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	142160	49.411	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	82208	48.953	ug/L	99
46) Tetrachloroethene	8.00	164	76416	48.449	ug/L	99
48) 2-Hexanone	8.16	43	175133	95.388	ug/L	98
49) Dibromochloromethane	8.27	129	97306	47.856	ug/L	98
50) 1,2-Dibromoethane	8.37	107	86174	48.096	ug/L	99
51) Chlorobenzene	8.90	112	236483	48.799	ug/L	99
52) Ethylbenzene	9.03	91	407197	49.995	ug/L	100
53) m,p-Xylene	9.16	106	153626	49.939	ug/L	99
54) o-xylene	9.56	106	147706	50.010	ug/L	100
55) Styrene	9.58	104	264134	50.457	ug/L	100
56) Isopropylbenzene	9.95	105	401212	50.547	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	124188	48.565	ug/L	97
59) 1,2,3-Trichloropropane	10.29	75	104838	47.894	ug/L	100
61) Bromoform	9.75	173	75537	47.169	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	199621	48.748	ug/L	100
63) 1,4-Dichlorobenzene	11.29	146	204130	47.967	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	197319	48.642	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	31677	45.638	ug/L	93
67) 1,3,5-Trichlorobenzene	12.67	180	142069	47.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	135028	47.810	ug/L	100
69) Naphthalene	13.52	128	391696	49.516	ug/L	99
70) 1,2,3-Trichlorobenzene	13.77	180	136807	49.499	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.406 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

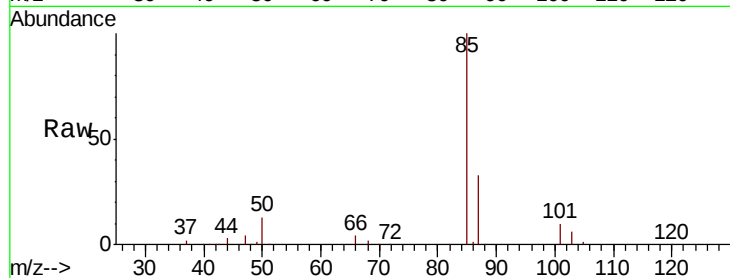
VSTD05082

Tot Ion: 85 Resp: 101172

Ion Ratio Lower Upper

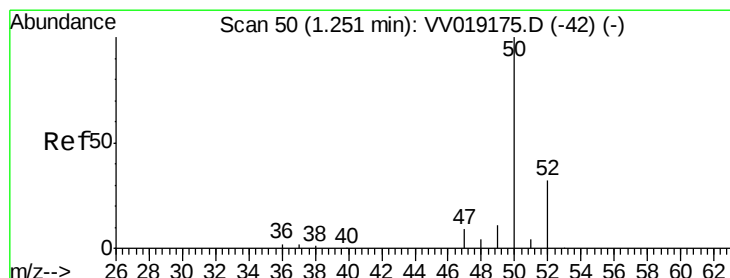
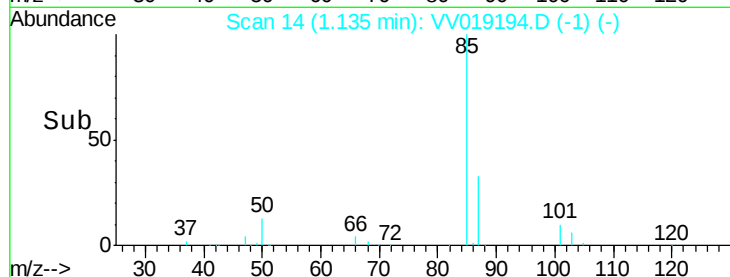
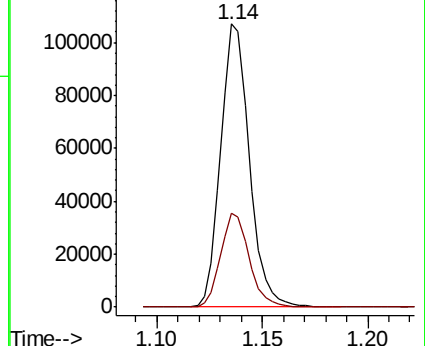
85 100

87 33.0 25.3 37.9



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 49.428 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV019194.D

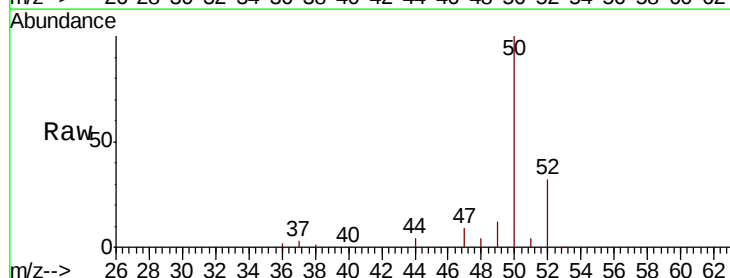
Acq: 30 Oct 2020 19:01

Tgt Ion: 50 Resp: 93814

Ion Ratio Lower Upper

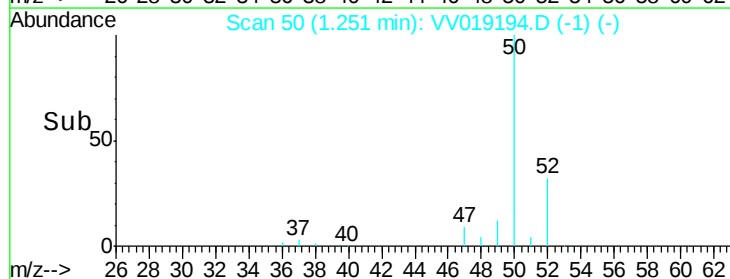
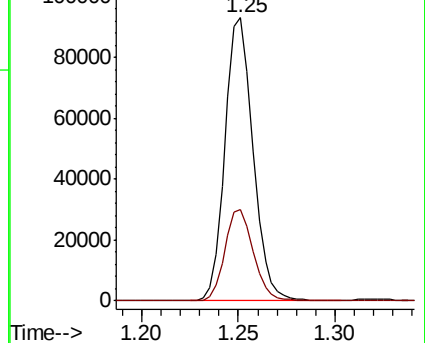
50 100

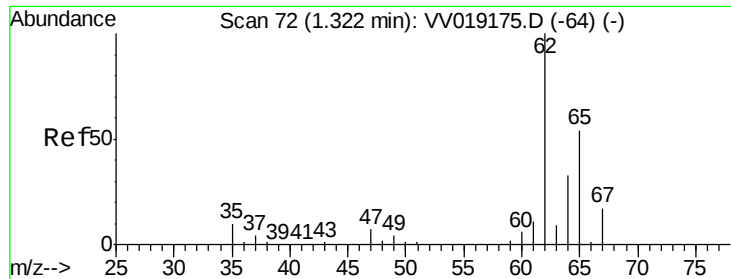
52 32.4 22.1 41.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 49.175 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

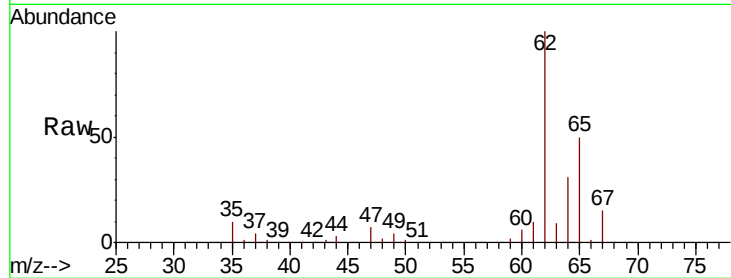
VSTD05082

Tot Ion: 62 Resp: 95555

Ion Ratio Lower Upper

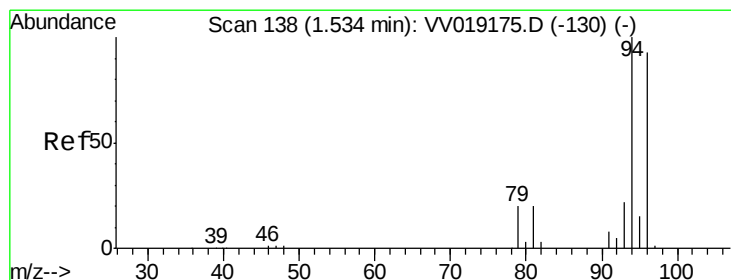
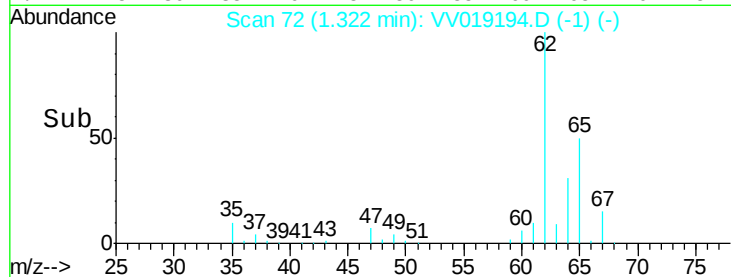
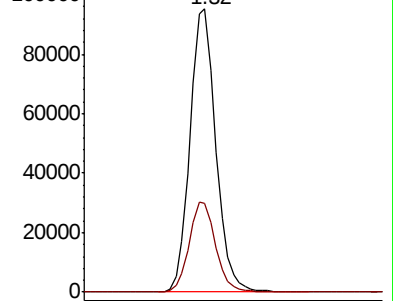
62 100

64 31.4 22.7 42.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 47.969 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV019194.D

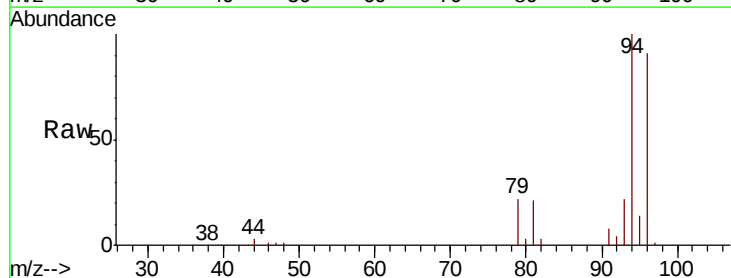
Acq: 30 Oct 2020 19:01

Tgt Ion: 94 Resp: 62438

Ion Ratio Lower Upper

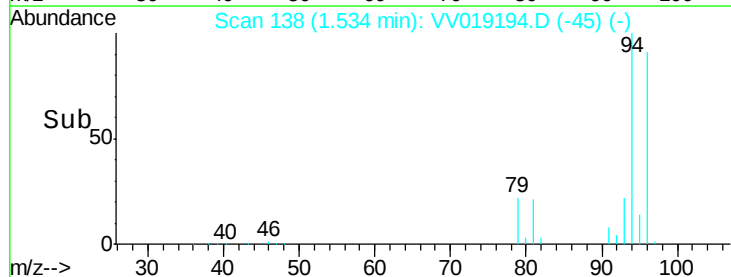
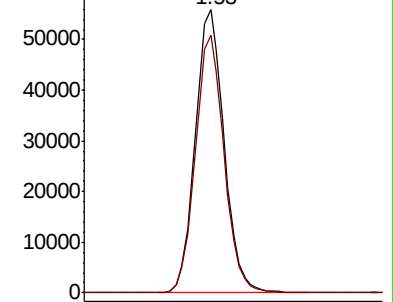
94 100

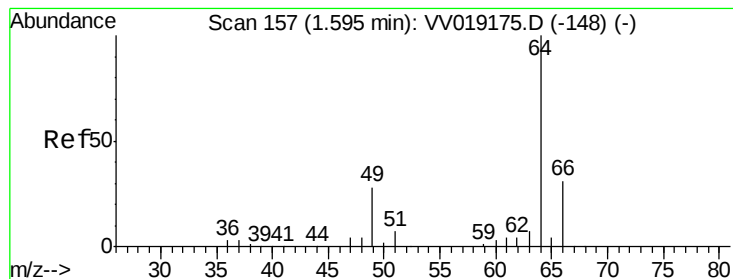
96 91.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 49.302 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

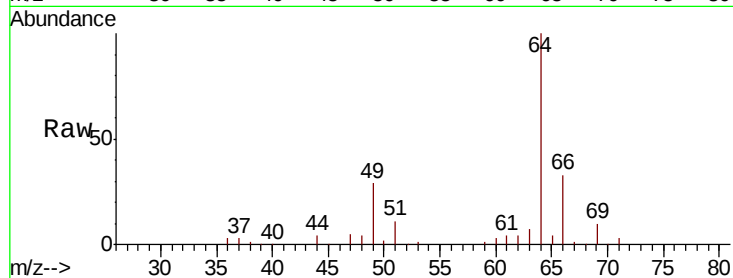
VSTD05082

Tot Ion: 64 Resp: 59568

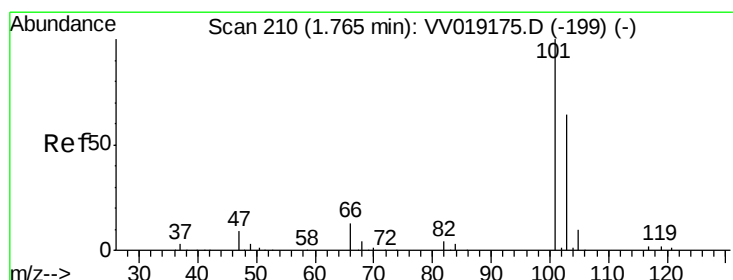
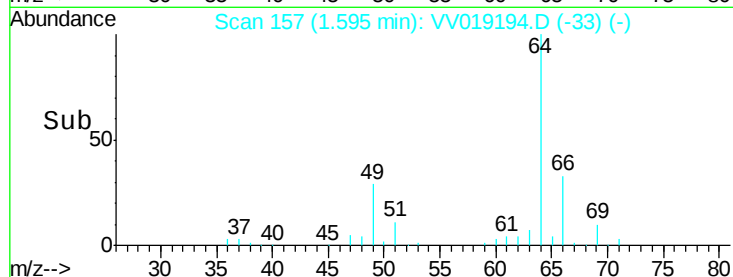
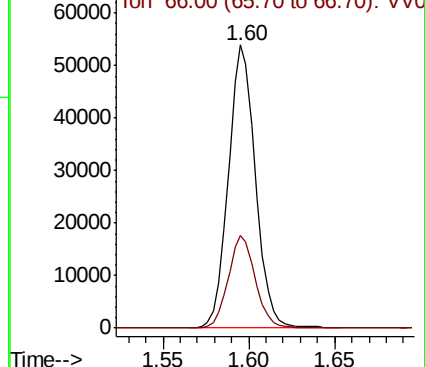
Ion Ratio Lower Upper

64 100

66 32.7 22.0 40.8



Abundance Ion 64.00 (63.70 to 64.70): VV019194.D (-33) (-)



#9

Trichlorofluoromethane

Concen: 48.900 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV019194.D

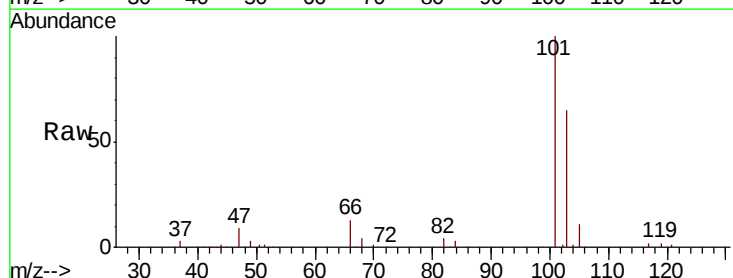
Acq: 30 Oct 2020 19:01

Tgt Ion: 101 Resp: 158371

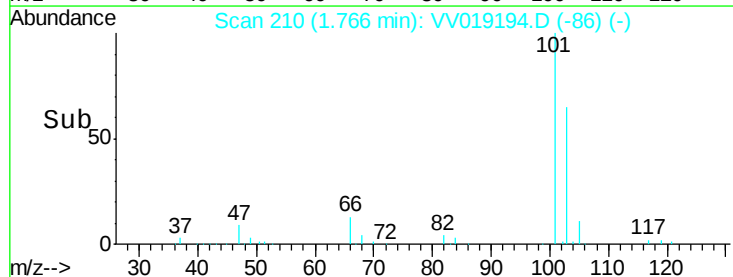
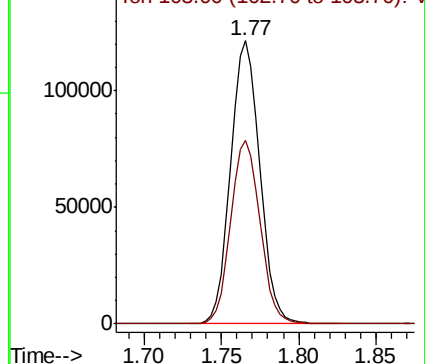
Ion Ratio Lower Upper

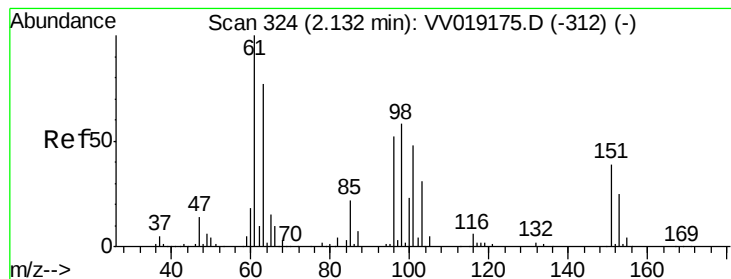
101 100

103 65.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV019194.D (-86) (-)





#10

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

Concen: 48.278 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

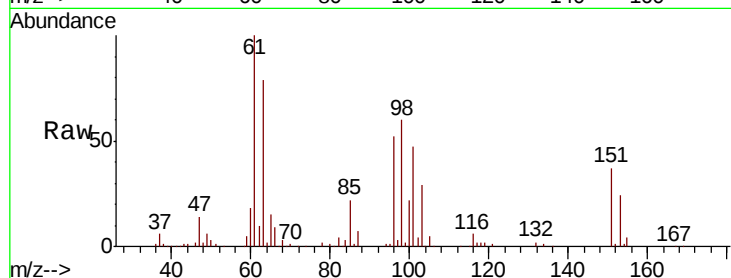
Tot Ion:101 Resp: 75246

Ion Ratio Lower Upper

101 100

85 46.2 36.1 54.1

151 80.7 65.0 97.4



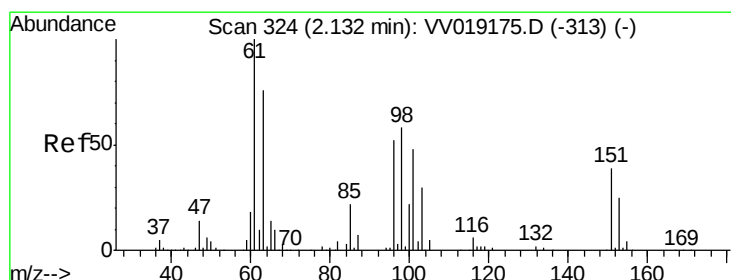
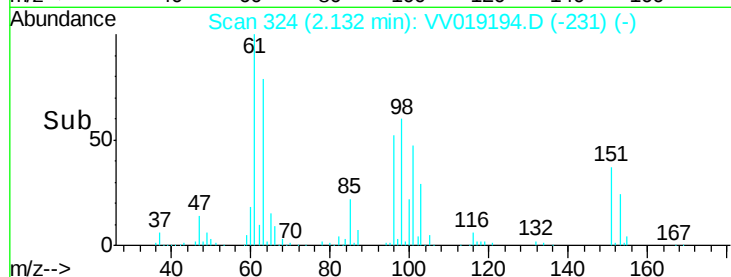
Abundance Ion 101.00 (100.70 to 101.70): VV019175.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV019175.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV019175.D (-312) (-)

2.13

Time-->



#12

1,1-Dichloroethene

Concen: 48.541 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

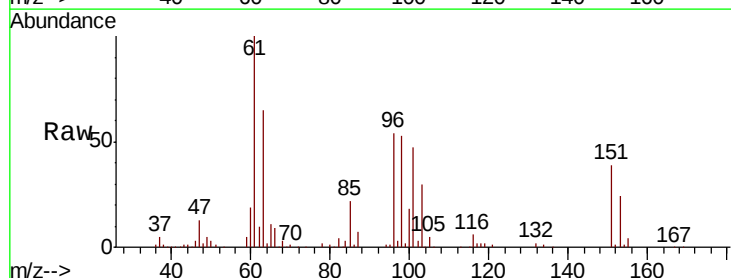
Tgt Ion: 96 Resp: 74094

Ion Ratio Lower Upper

96 100

61 184.5 132.6 246.2

63 120.7 108.4 201.4



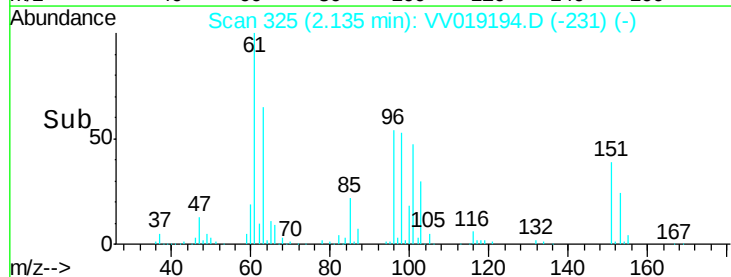
Abundance Ion 96.00 (95.70 to 96.70): VV019194.D (-231) (-)

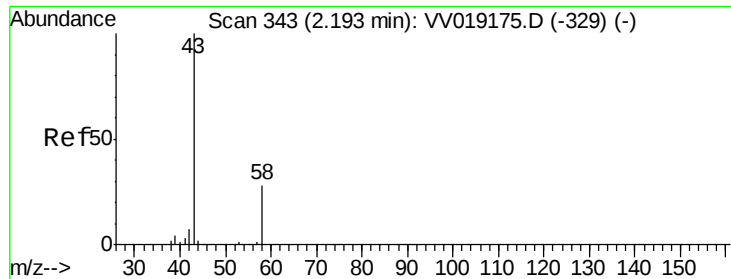
Ion 61.00 (60.70 to 61.70): VV019194.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV019194.D (-231) (-)

2.14

Time-->





#13

Acetone

Concen: 76.597 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

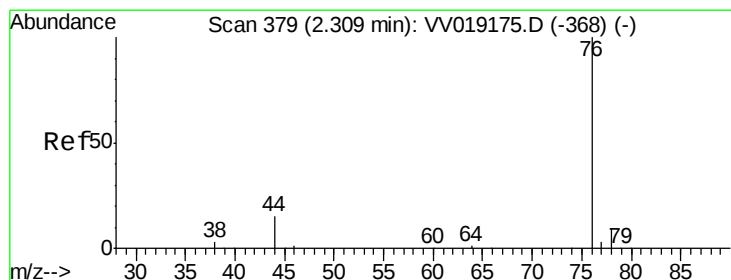
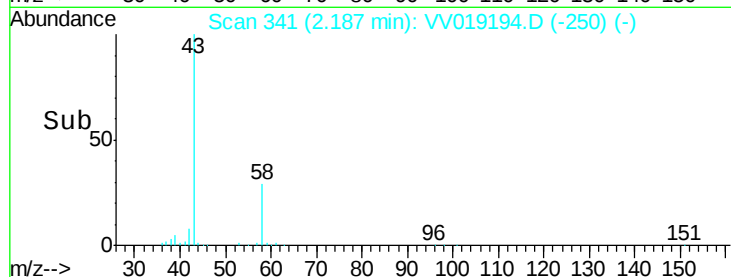
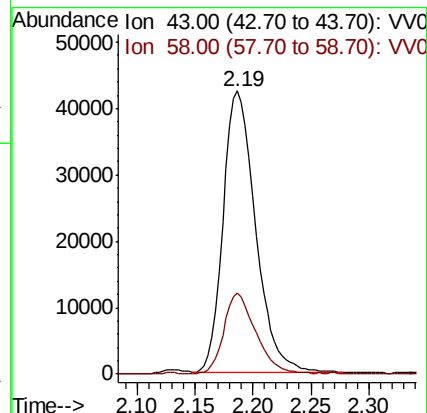
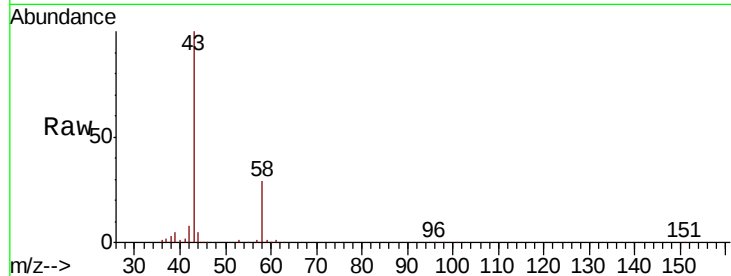
VSTD05082

Tot Ion: 43 Resp: 82445

Ion Ratio Lower Upper

43 100

58 28.7 0.0 59.4



#14

Carbon disulfide

Concen: 47.691 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV019194.D

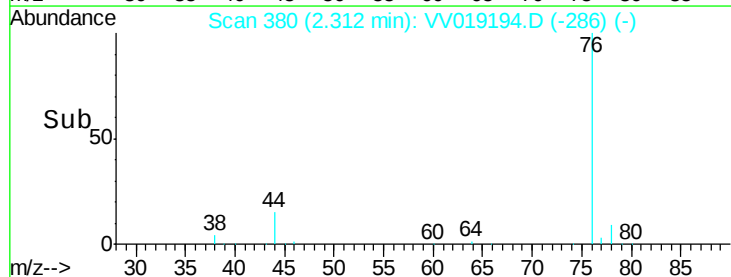
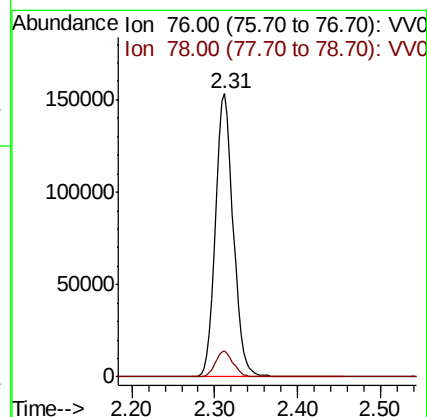
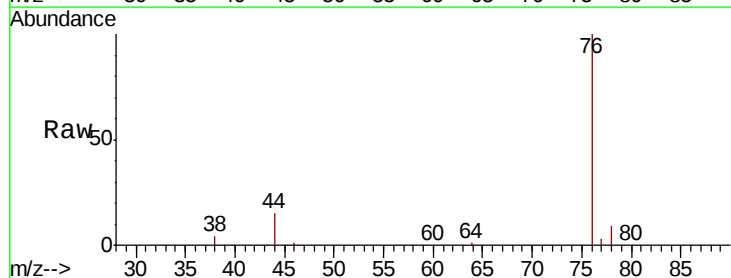
Acq: 30 Oct 2020 19:01

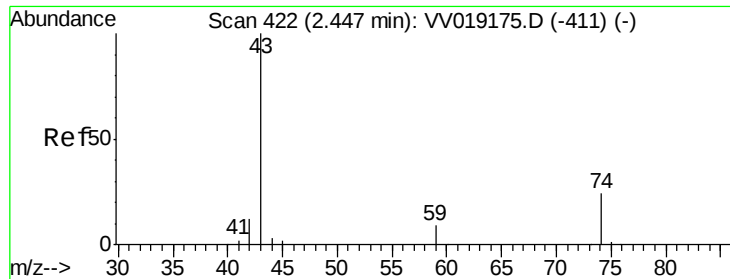
Tgt Ion: 76 Resp: 231388

Ion Ratio Lower Upper

76 100

78 9.0 7.4 11.0

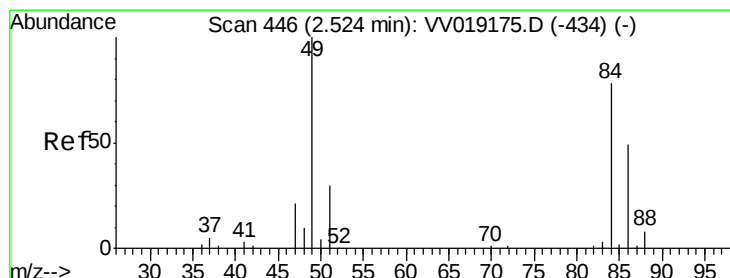
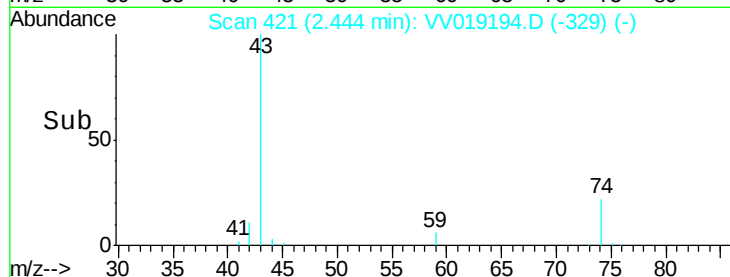
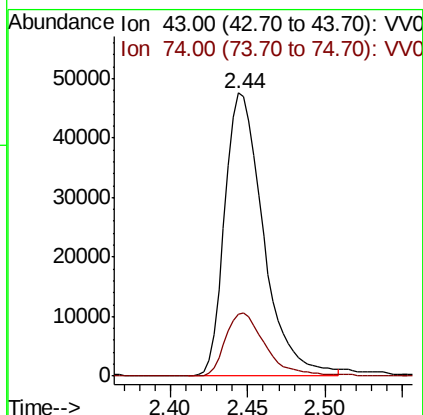
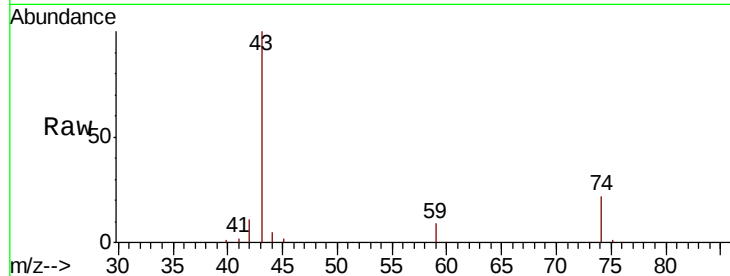




#15
Methvl Acetate
Concen: 47.285 ug/L
RT: 2.44 min Scan# 421
Delta R.T. -0.00 min
Lab File: VV019194.D
Acq: 30 Oct 2020 19:01

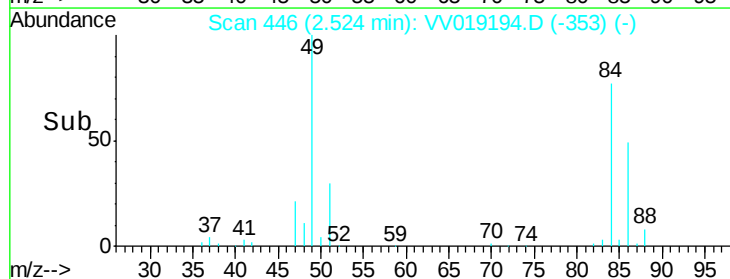
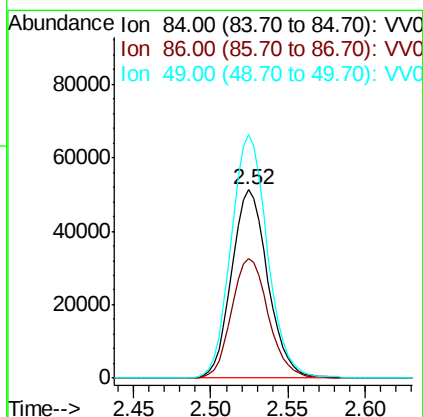
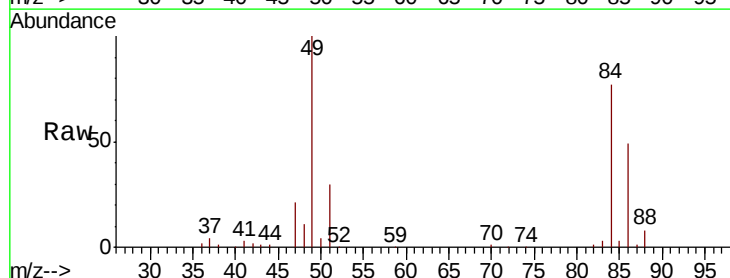
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

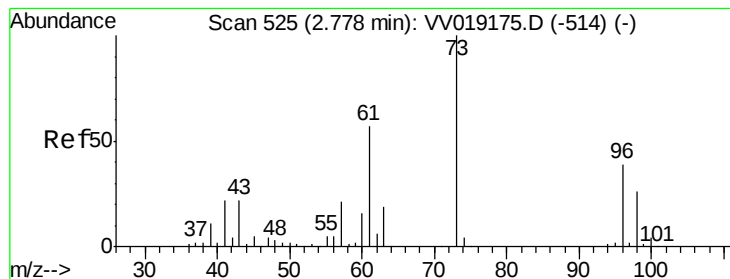
Tot Ion: 43 Resp: 82020
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 48.150 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV019194.D
Acq: 30 Oct 2020 19:01

Tgt Ion: 84 Resp: 83457
Ion Ratio Lower Upper
84 100
86 63.8 46.0 85.4
49 129.4 87.8 163.2





#17

trans-1,2-Dichloroethene

Concen: 49.309 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

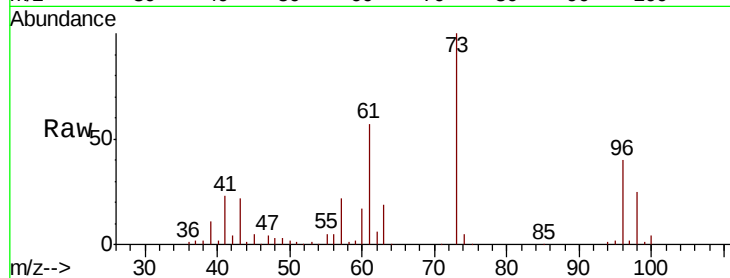
Tot Ion: 96 Resp: 80840

Ion Ratio Lower Upper

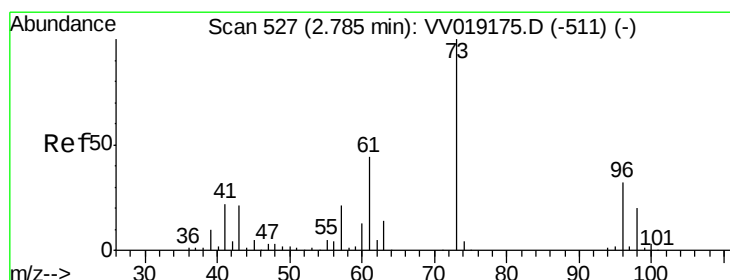
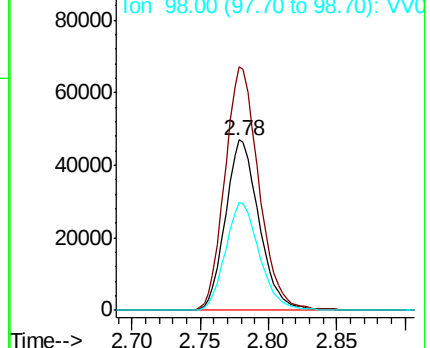
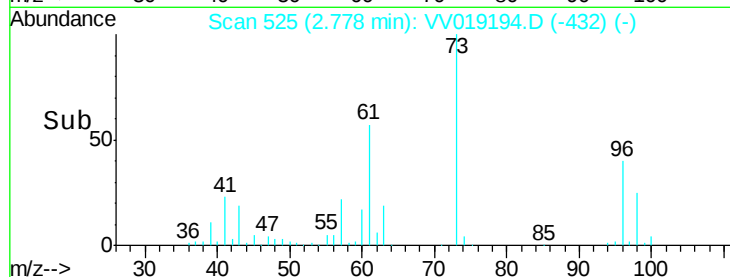
96 100

61 142.9 102.4 190.2

98 63.2 45.9 85.3



Abundance Ion 96.00 (95.70 to 96.70): VV019194.D (-432) (-)



#18

Methyl tert-butyl Ether

Concen: 48.522 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

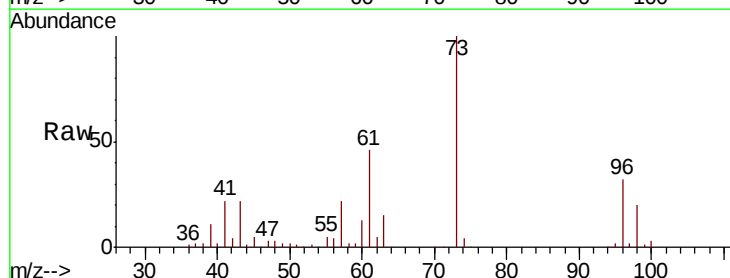
Tgt Ion: 73 Resp: 266374

Ion Ratio Lower Upper

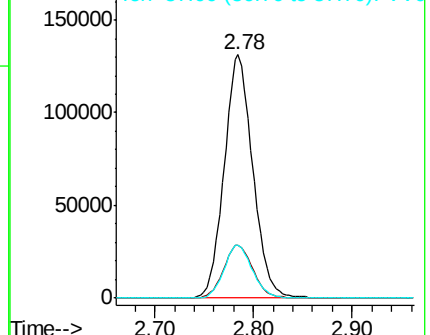
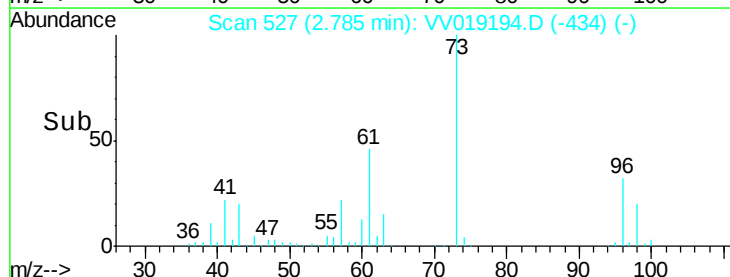
73 100

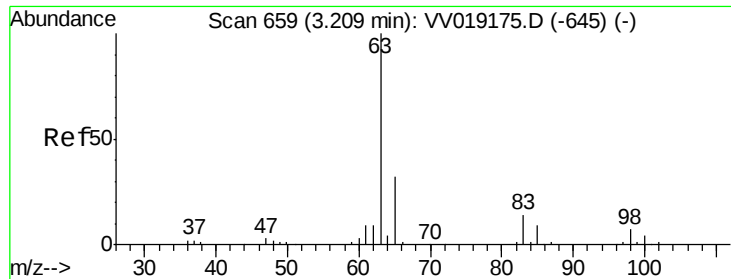
43 21.9 17.9 26.9

57 21.6 17.1 25.7



Abundance Ion 73.00 (72.70 to 73.70): VV019194.D (-434) (-)

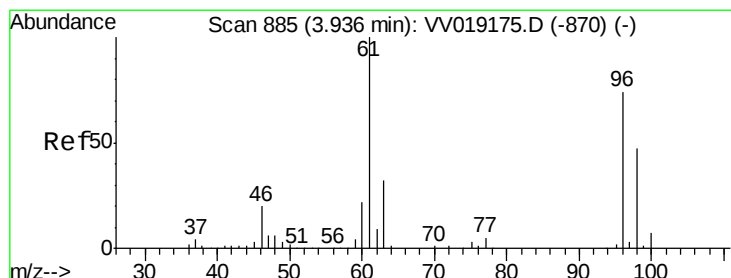
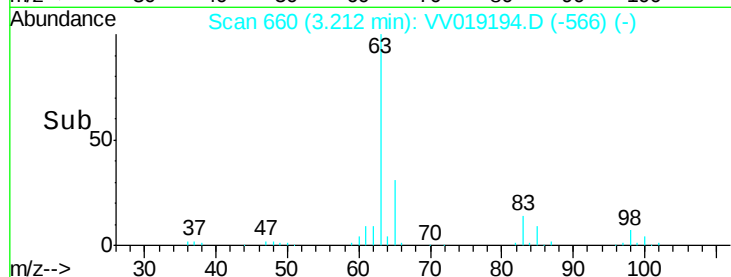
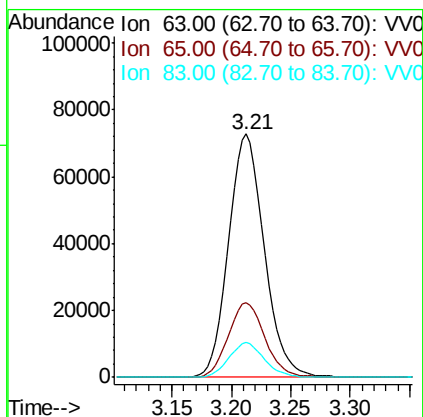
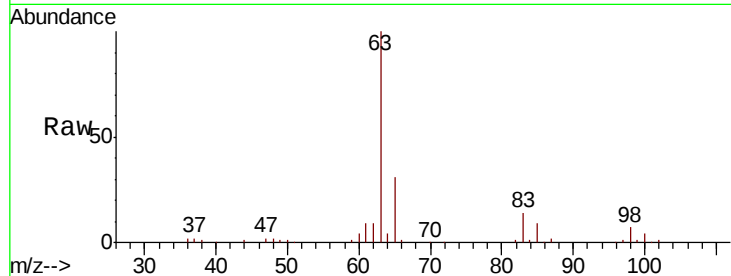




#19
 1,1-Dichloroethane
 Concen: 49.619 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

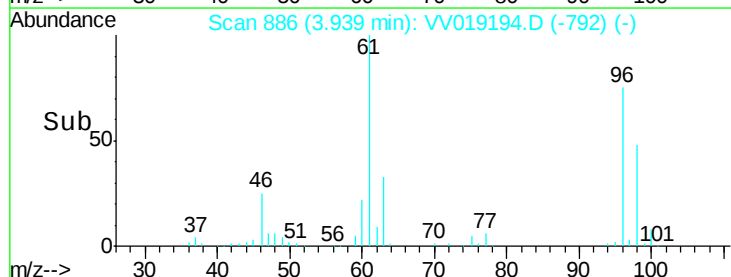
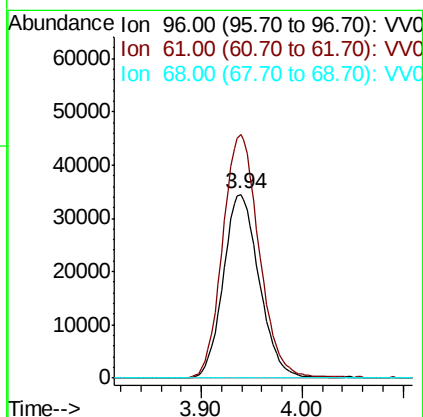
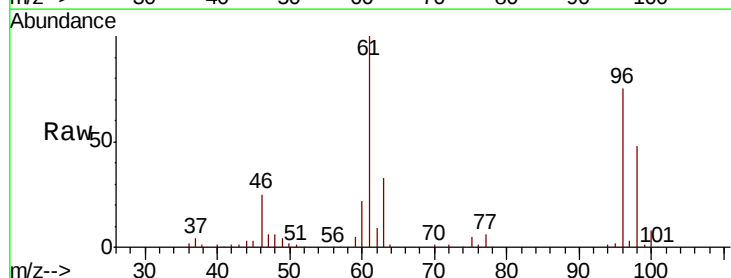
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

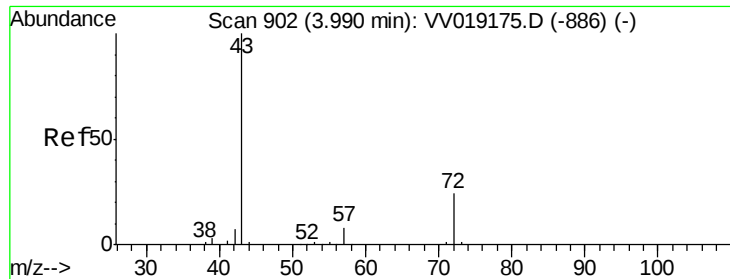
Tot Ion: 63 Resp: 151560
 Ion Ratio Lower Upper
 63 100
 65 30.7 22.0 40.8
 83 14.1 9.6 17.8



#20
 cis-1,2-Dichloroethene
 Concen: 47.619 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion: 96 Resp: 85681
 Ion Ratio Lower Upper
 96 100
 61 132.7 90.7 168.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 95.540 ug/L

RT: 3.99 min Scan# 902

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

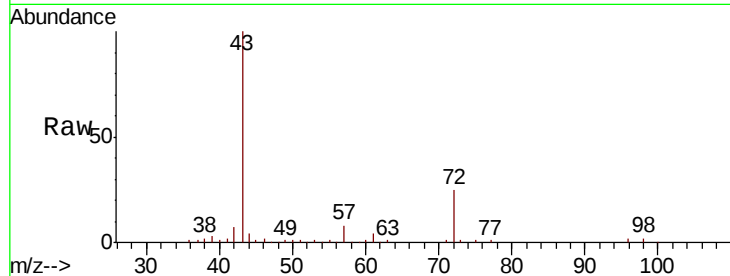
VSTD05082

Tot Ion: 43 Resp: 112009

Ion Ratio Lower Upper

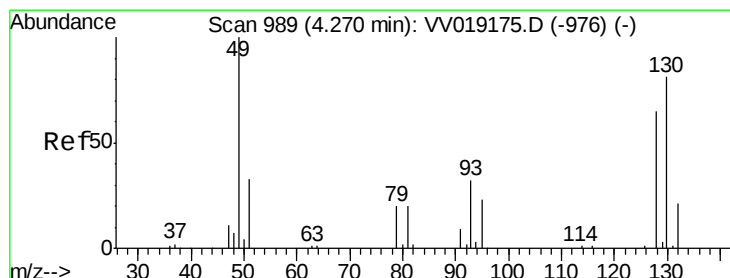
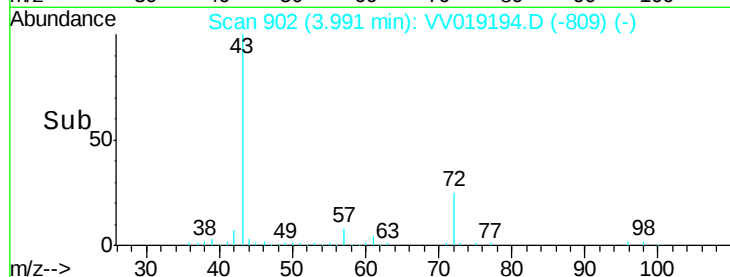
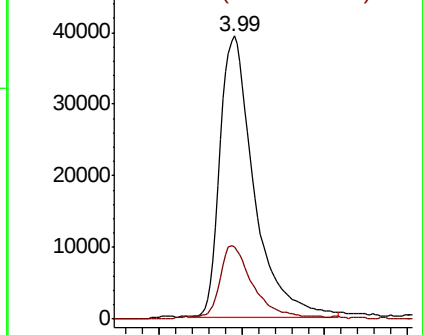
43 100

72 23.5 11.9 35.9



Abundance Ion 43.00 (42.70 to 43.70): VV019194.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV019194.D (-809) (-)



#23

Bromochloromethane

Concen: 48.564 ug/L

RT: 4.28 min Scan# 991

Delta R.T. 0.01 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Tgt Ion:128 Resp: 46890

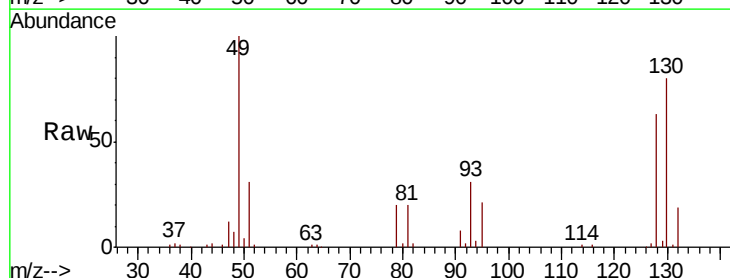
Ion Ratio Lower Upper

128 100

49 159.9 108.5 201.5

130 128.2 90.4 167.8

51 49.7 36.9 55.3

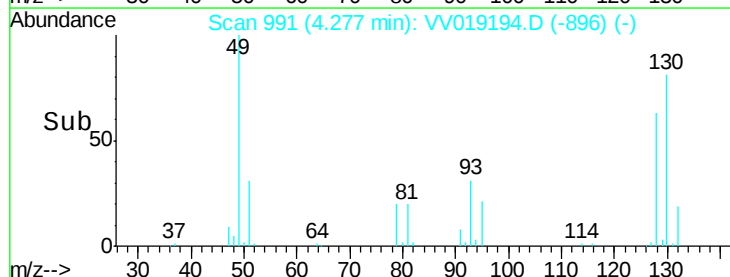
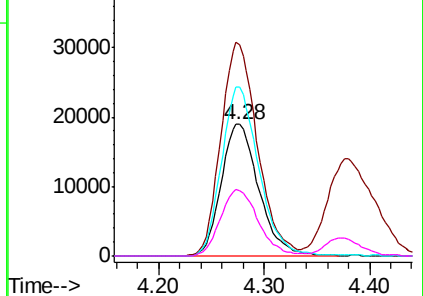


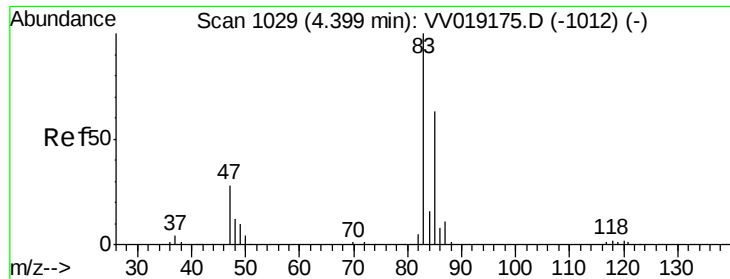
Abundance Ion 128.00 (127.70 to 128.70): VV019194.D (-896) (-)

Ion 49.00 (48.70 to 49.70): VV019194.D (-896) (-)

Ion 130.00 (129.70 to 130.70): VV019194.D (-896) (-)

Ion 51.00 (50.70 to 51.70): VV019194.D (-896) (-)

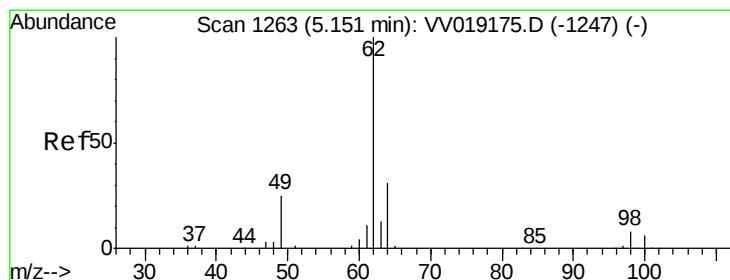
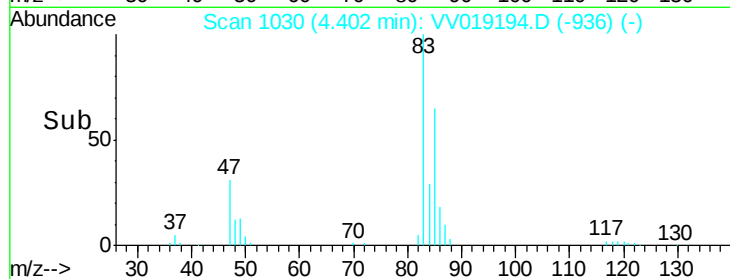
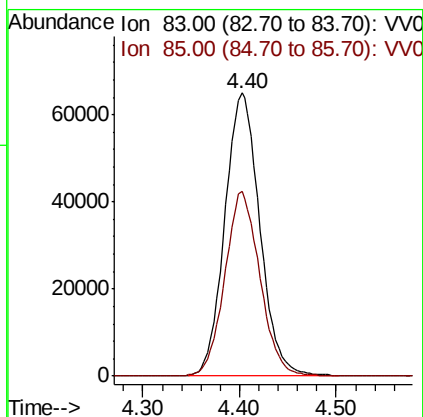
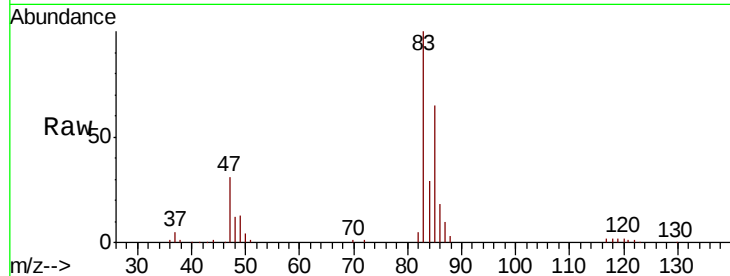




#25
Chloroform
Concen: 49.460 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV019194.D
Acq: 30 Oct 2020 19:01

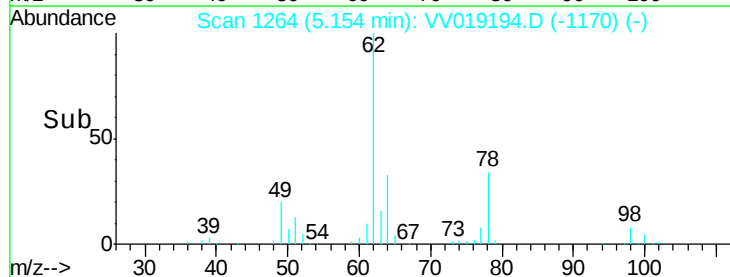
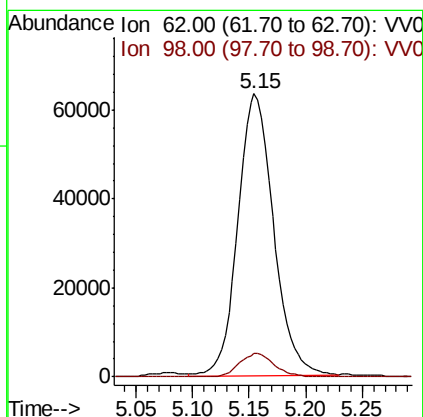
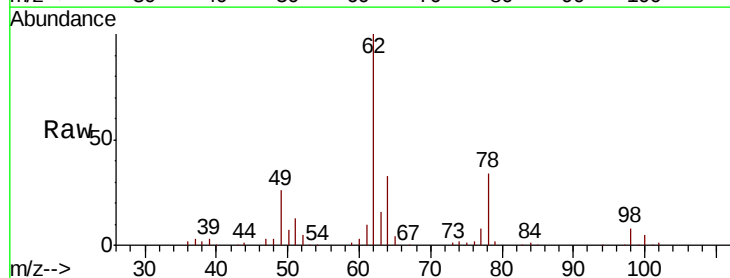
Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

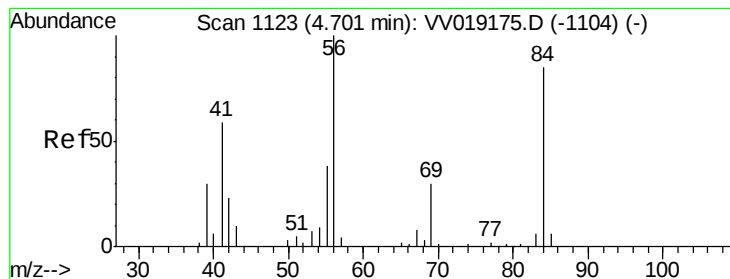
Tot Ion: 83 Resp: 163255
Ion Ratio Lower Upper
83 100
85 65.1 45.1 83.9



#27
1,2-Dichloroethane
Concen: 49.477 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV019194.D
Acq: 30 Oct 2020 19:01

Tgt Ion: 62 Resp: 139032
Ion Ratio Lower Upper
62 100
98 8.1 6.8 10.2





#29

Cyclohexane

Concen: 49.009 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

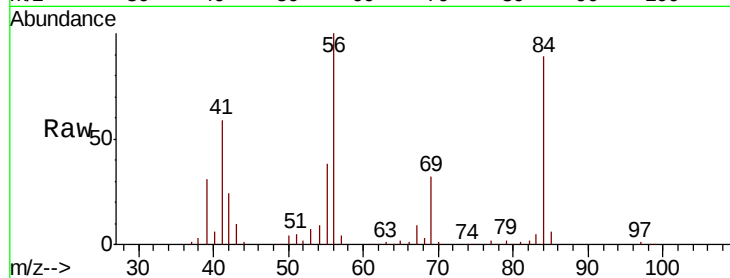
Tot Ion: 56 Resp: 127948

Ion Ratio Lower Upper

56 100

69 31.0 25.0 37.4

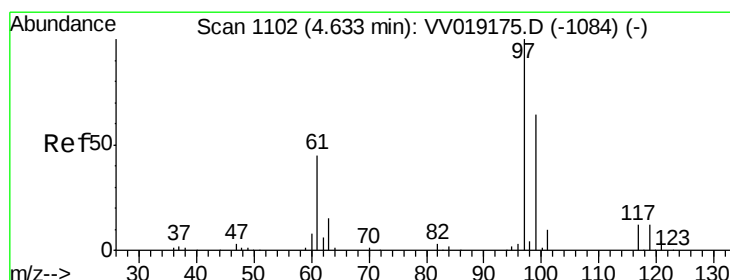
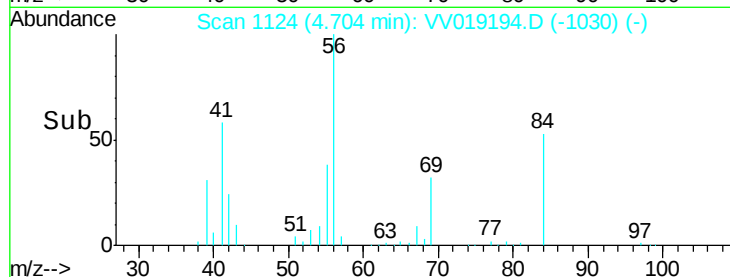
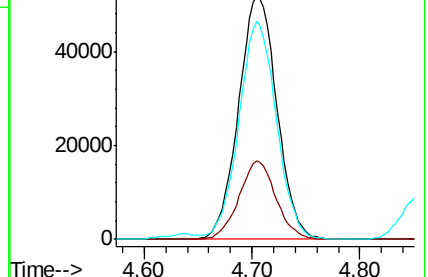
84 87.9 71.5 107.3



Abundance Ion 56.00 (55.70 to 56.70): VV019175.D (-1104) (-)

Ion 69.00 (68.70 to 69.70): VV019175.D (-1104) (-)

Ion 84.00 (83.70 to 84.70): VV019175.D (-1104) (-)



#30

1,1,1-Trichloroethane

Concen: 48.159 ug/L

RT: 4.64 min Scan# 1103

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

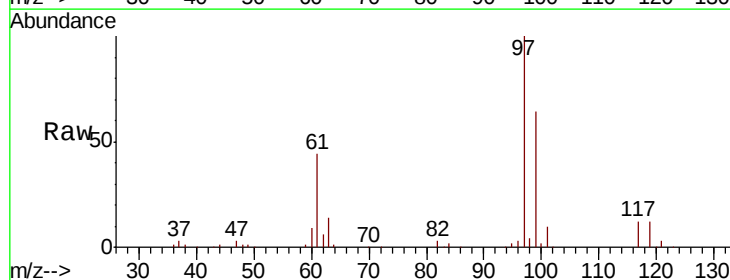
Tgt Ion: 97 Resp: 152613

Ion Ratio Lower Upper

97 100

99 64.1 51.3 76.9

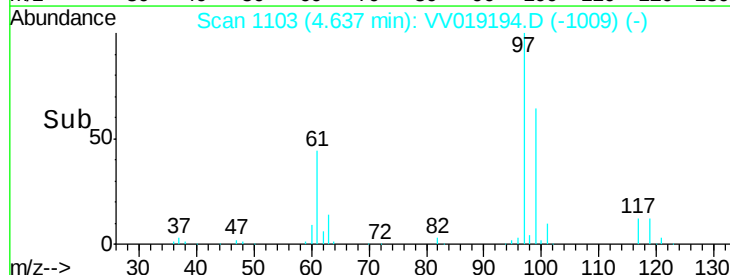
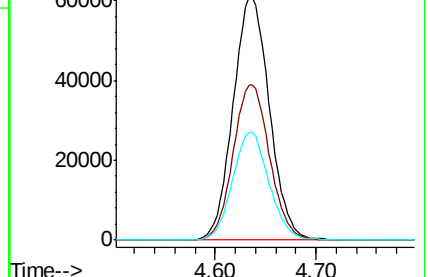
61 44.7 34.6 52.0

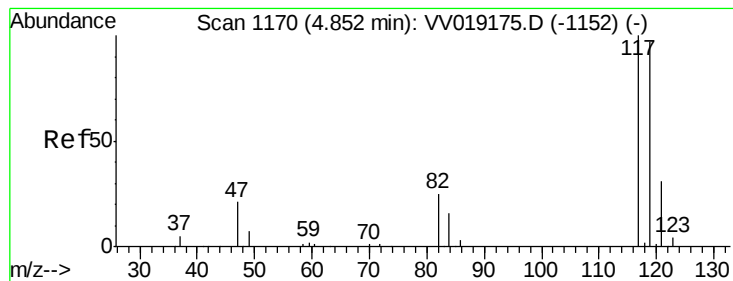


Abundance Ion 97.00 (96.70 to 97.70): VV019175.D (-1084) (-)

Ion 99.00 (98.70 to 99.70): VV019175.D (-1084) (-)

Ion 61.05 (60.75 to 61.75): VV019175.D (-1084) (-)





#31

Carbon tetrachloride

Concen: 48.801 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

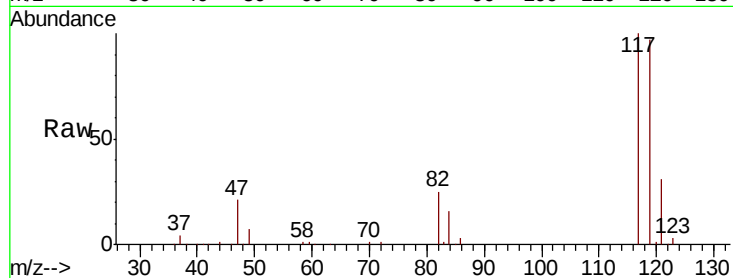
VSTD05082

Tot Ion:117 Resp: 137134

Ion Ratio Lower Upper

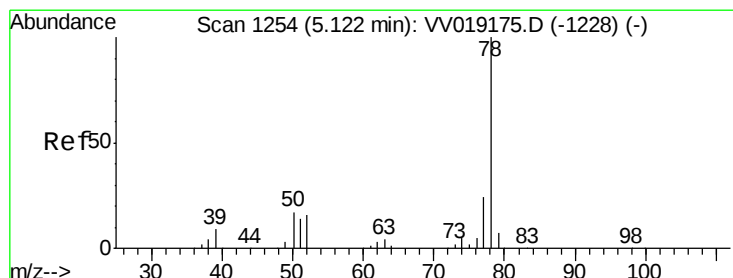
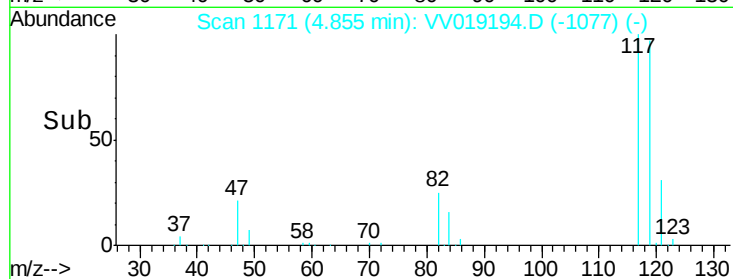
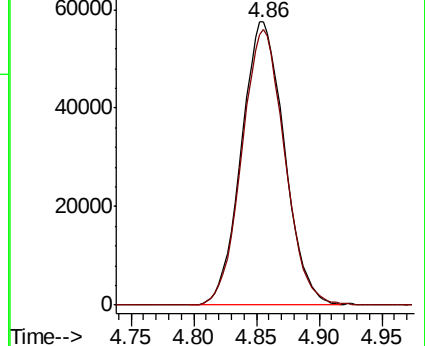
117 100

119 96.8 77.2 115.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 48.777 ug/L

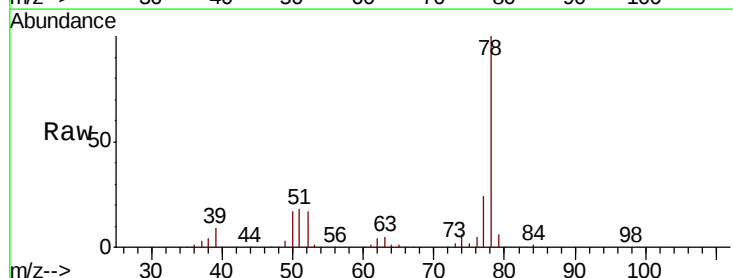
RT: 5.13 min Scan# 1255

Delta R.T. 0.00 min

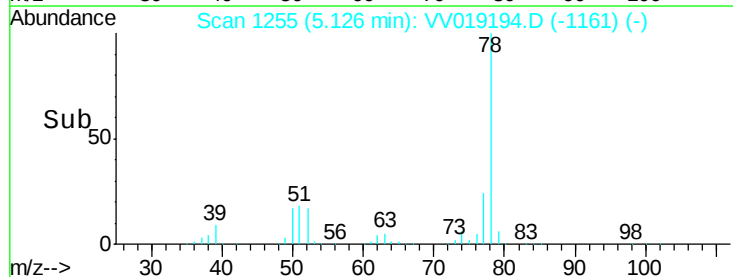
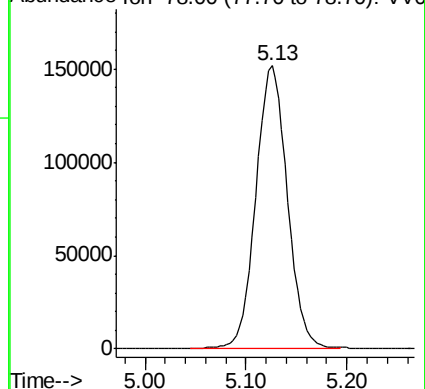
Lab File: VV019194.D

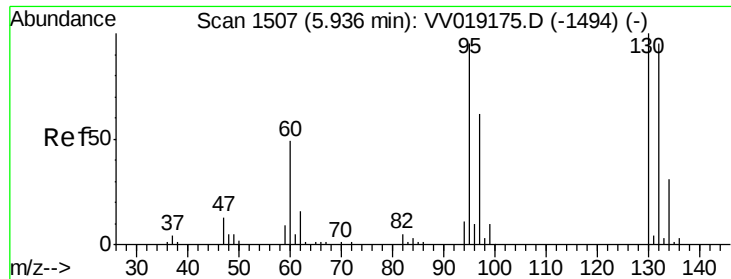
Acq: 30 Oct 2020 19:01

Tgt Ion: 78 Resp: 328878



Abundance Ion 78.00 (77.70 to 78.70): VV0

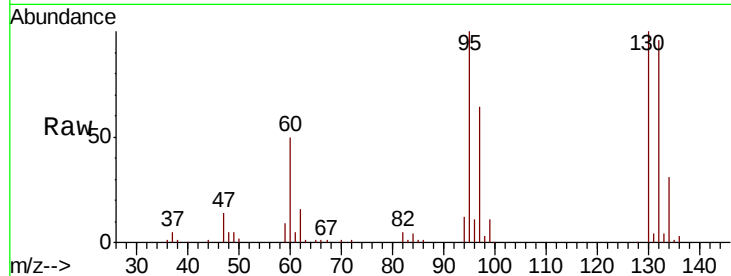




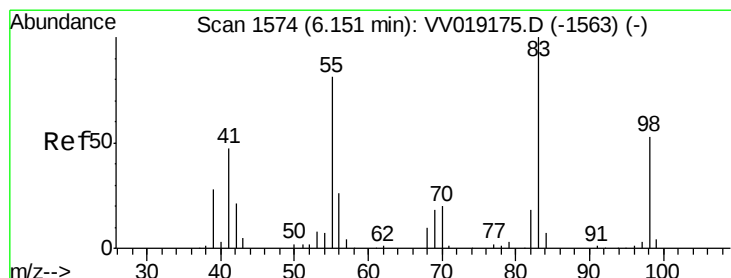
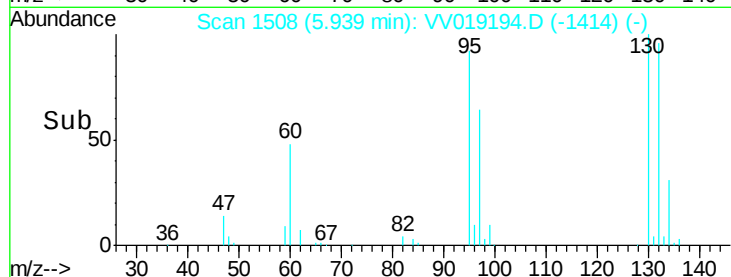
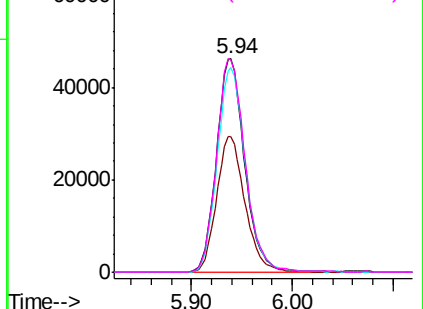
#34
 Trichloroethene
 Concen: 48.776 ug/L
 RT: 5.94 min Scan# 1508
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Tot Ion: 95 Resp: 90094
 Ion Ratio Lower Upper
 95 100
 97 63.9 43.4 80.6
 132 96.0 69.7 129.4
 130 99.9 72.4 134.5

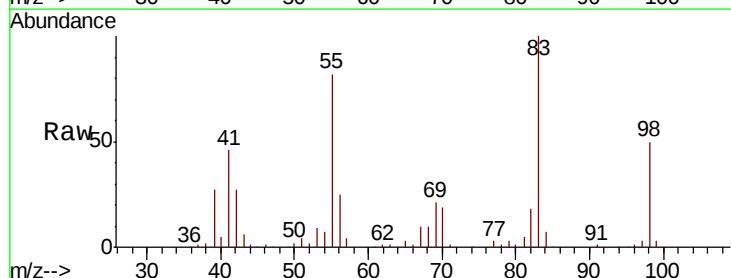


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

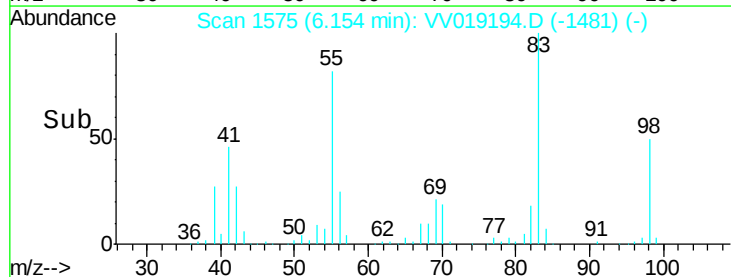
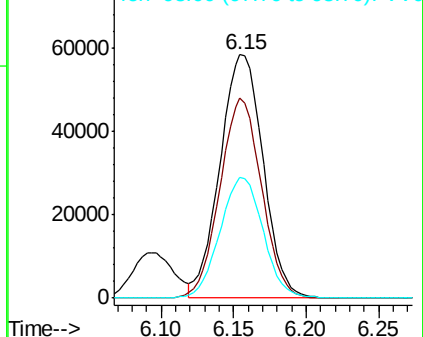


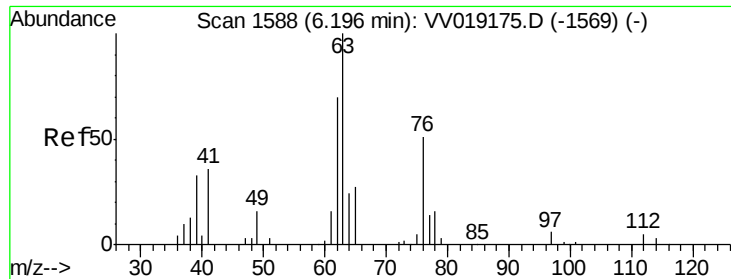
#35
 Methylcyclohexane
 Concen: 48.439 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion: 83 Resp: 120785
 Ion Ratio Lower Upper
 83 100
 55 79.2 62.2 93.4
 98 49.6 39.4 59.2



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0

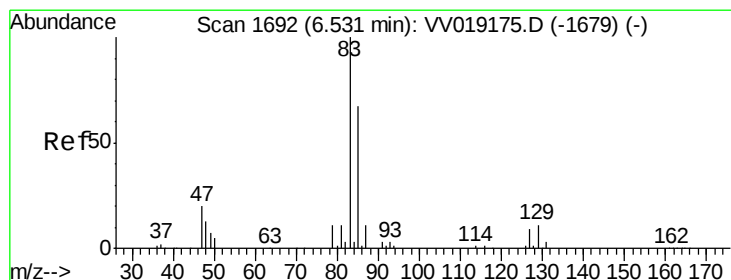
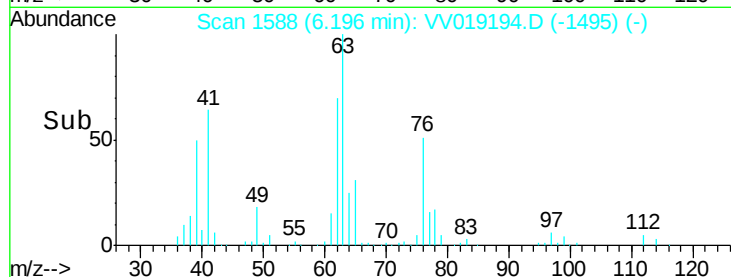
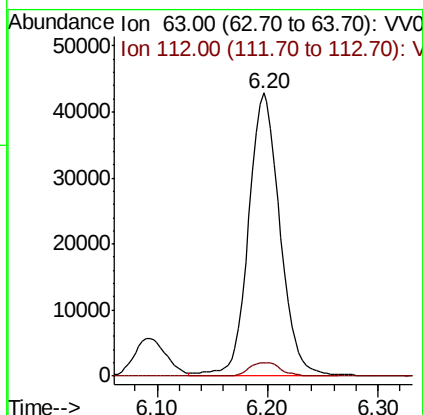
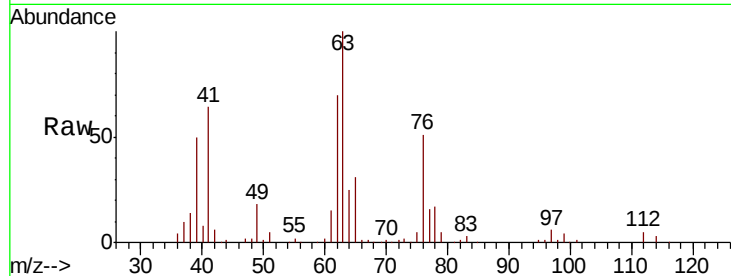




#37
 1,2-Dichloropropane
 Concen: 50.537 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

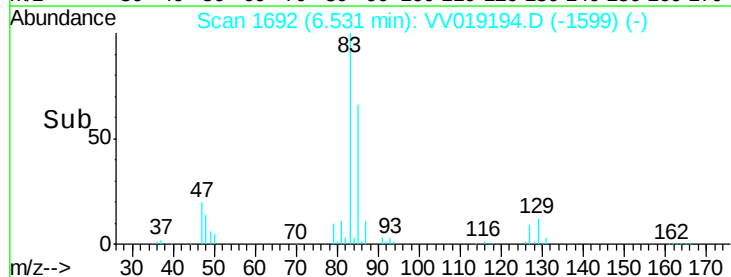
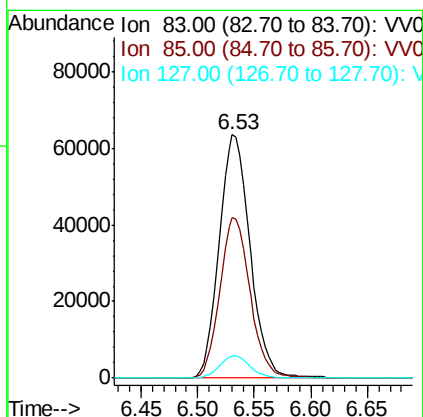
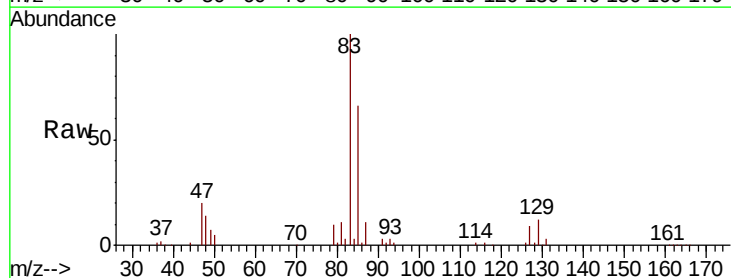
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

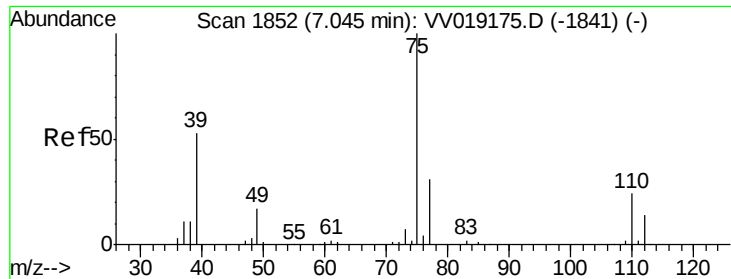
Tot Ion: 63 Resp: 84621
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.8 5.8



#38
 Bromodichloromethane
 Concen: 48.506 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion: 83 Resp: 120823
 Ion Ratio Lower Upper
 83 100
 85 66.0 45.9 85.3
 127 9.1 6.9 10.3

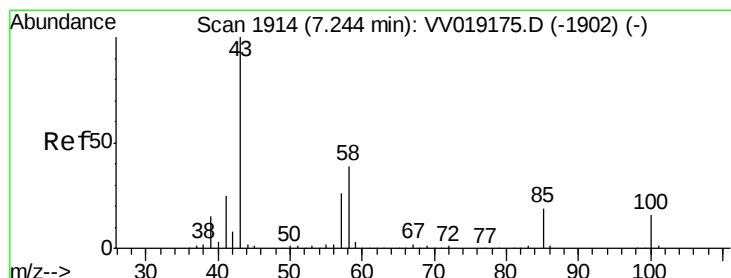
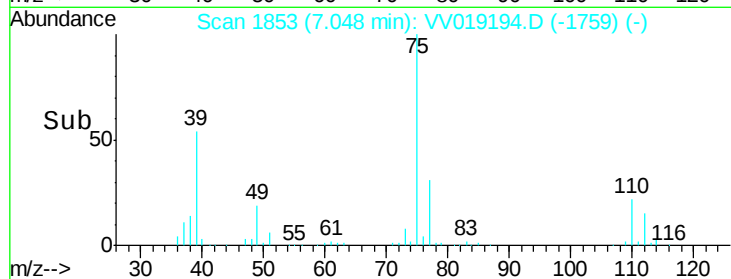
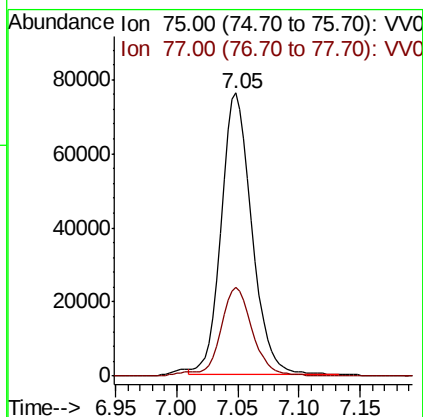
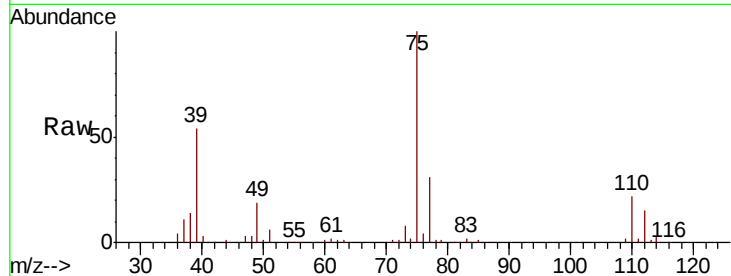




#39
 cis-1,3-Dichloropropene
 Concen: 48.498 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

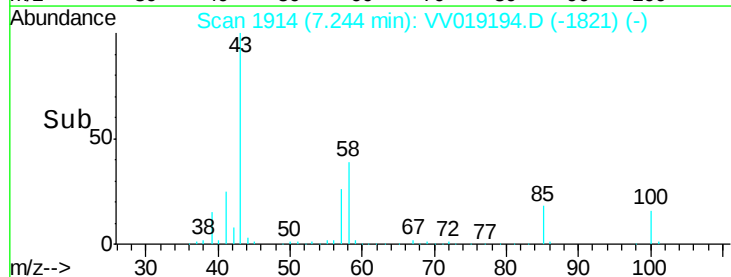
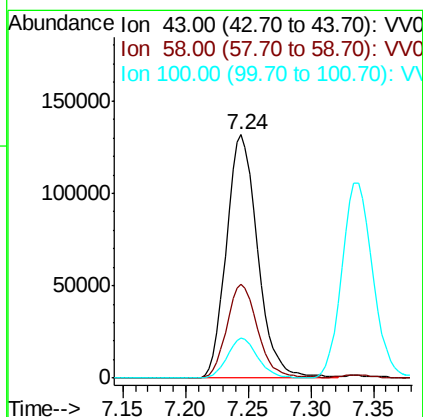
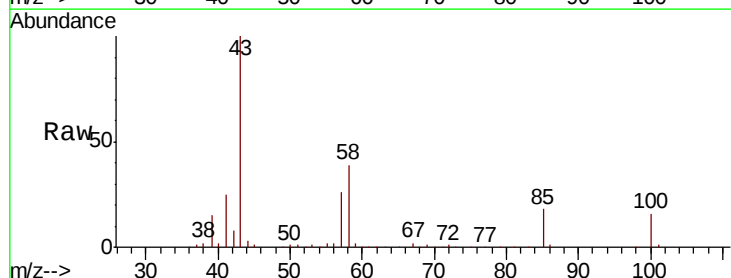
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

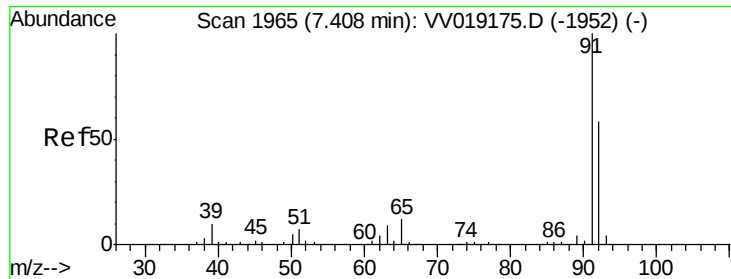
Tot Ion: 75 Resp: 134134
 Ion Ratio Lower Upper
 75 100
 77 31.2 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 98.911 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion: 43 Resp: 228476
 Ion Ratio Lower Upper
 43 100
 58 38.2 31.0 46.4
 100 16.0 13.2 19.8





#42

Toluene

Concen: 49.500 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

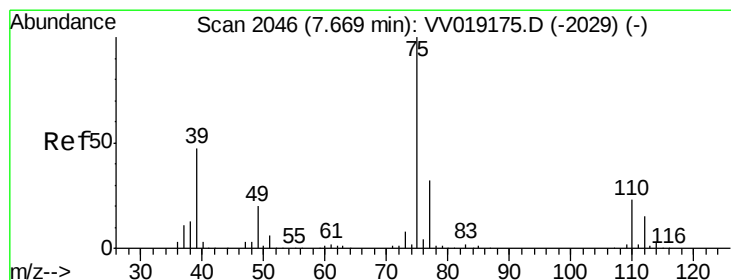
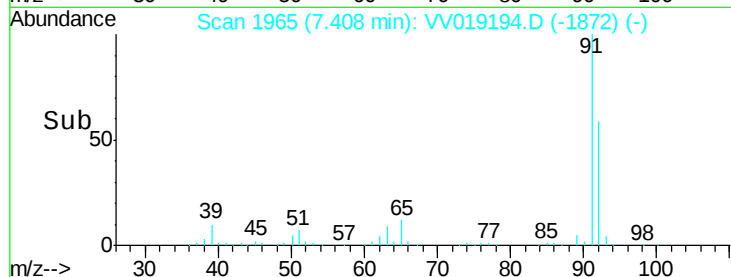
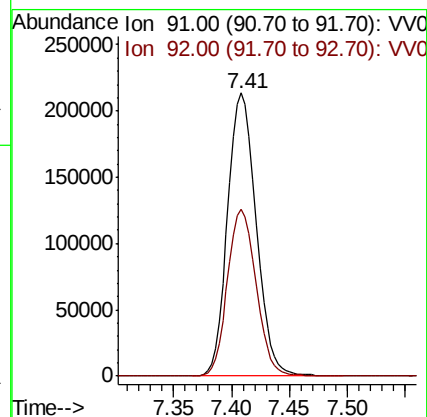
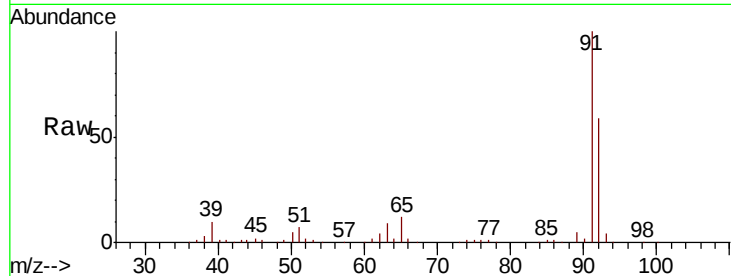
VSTD05082

Tot Ion: 91 Resp: 365881

Ion Ratio Lower Upper

91 100

92 58.9 41.5 77.1



#44

trans-1,3-Dichloropropene

Concen: 49.411 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV019194.D

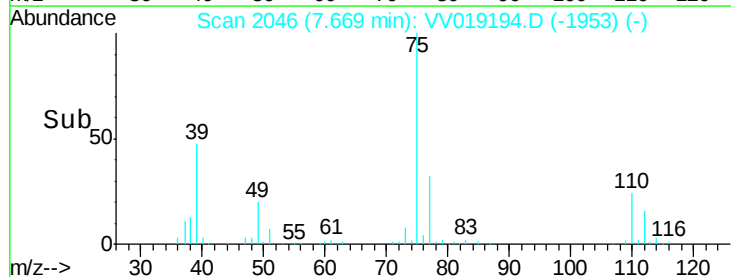
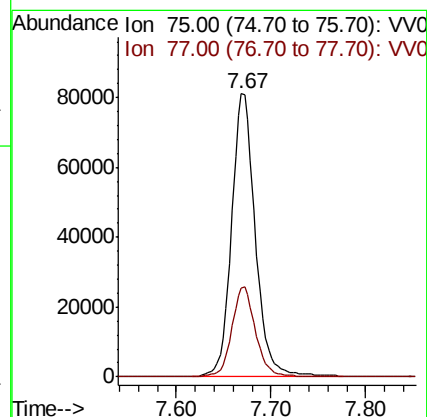
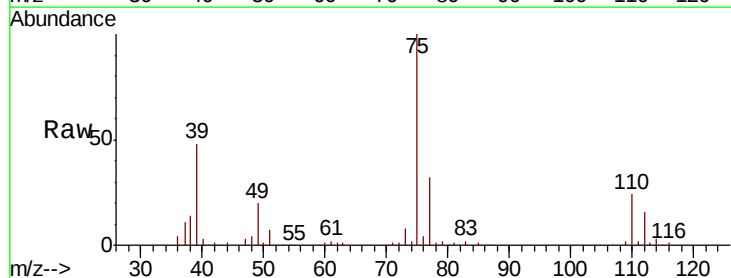
Acq: 30 Oct 2020 19:01

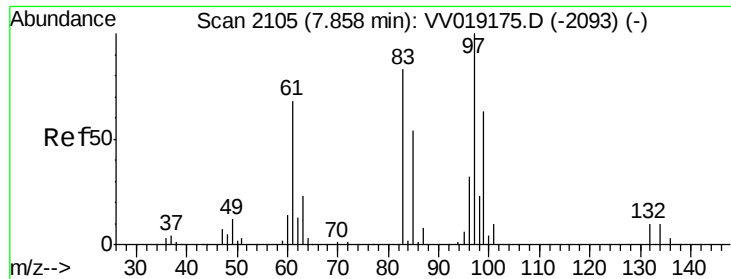
Tgt Ion: 75 Resp: 142160

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4

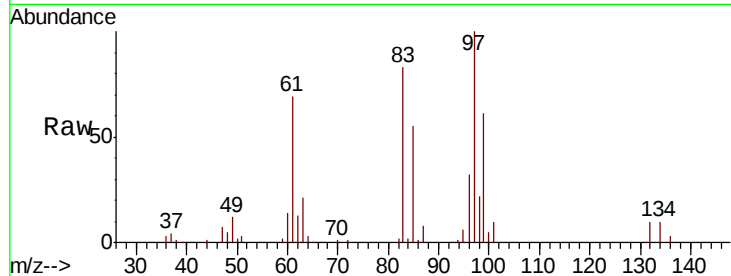




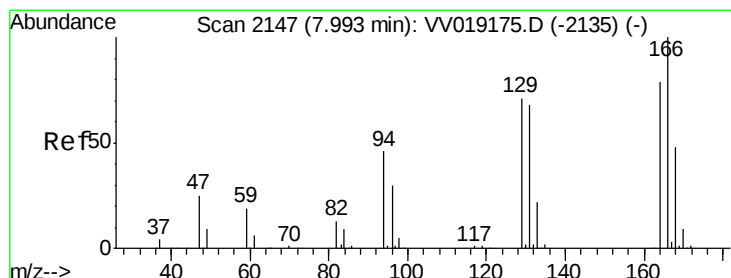
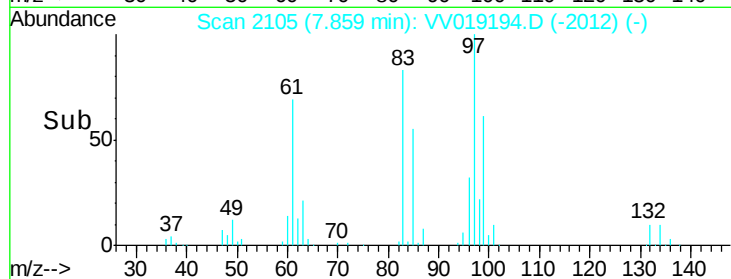
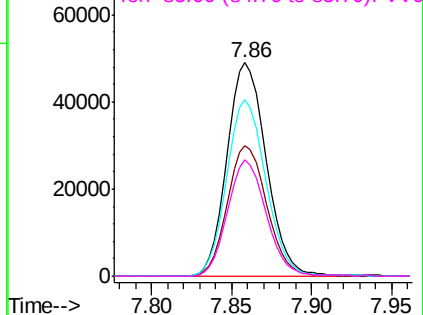
#45
 1,1,2-Trichloroethane
 Concen: 48.953 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Tot Ion:	97	Resp:	82208
Ion	Ratio	Lower	Upper
97	100		
99	61.3	43.1	80.1
83	82.7	58.3	108.3
85	54.6	37.8	70.2

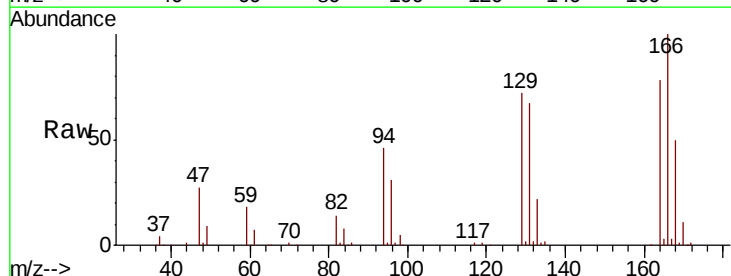


Abundance Ion 97.00 (96.70 to 97.70): VV019194.D (-2012) (-)

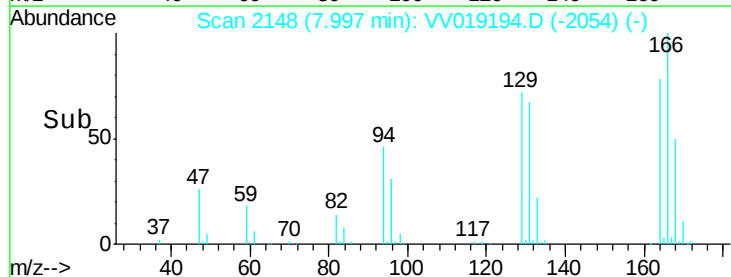
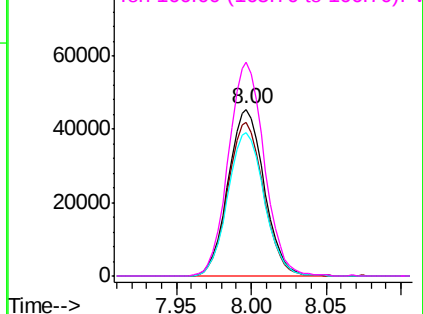


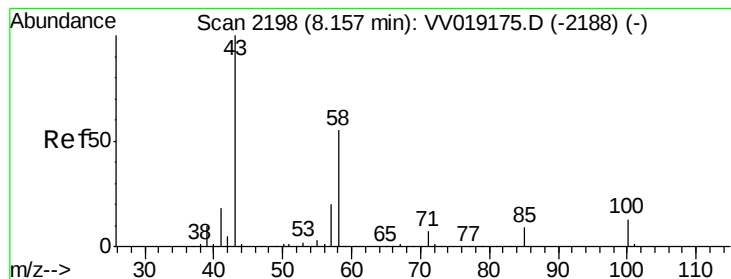
#46
 Tetrachloroethene
 Concen: 48.449 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion:	164	Resp:	76416
Ion	Ratio	Lower	Upper
164	100		
129	91.9	63.2	117.4
131	85.9	60.3	112.1
166	128.1	88.3	163.9



Abundance Ion 164.00 (163.70 to 164.70): VV019194.D (-2054) (-)





#48

2-Hexanone

Concen: 95.388 ug/L

RT: 8.16 min Scan# 2198

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

Tot Ion: 43 Resp: 175133

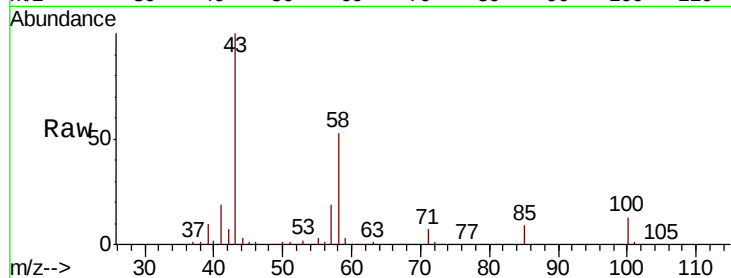
Ion Ratio Lower Upper

43 100

58 53.0 43.6 65.4

57 19.1 16.0 24.0

100 12.9 10.3 15.5

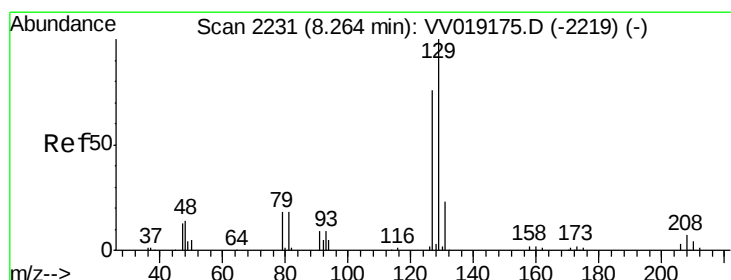
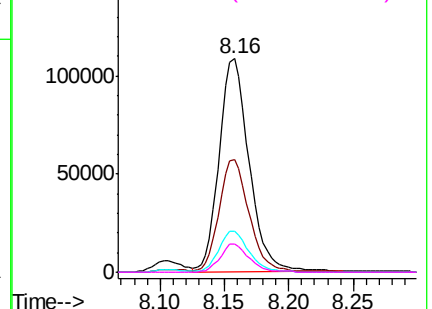
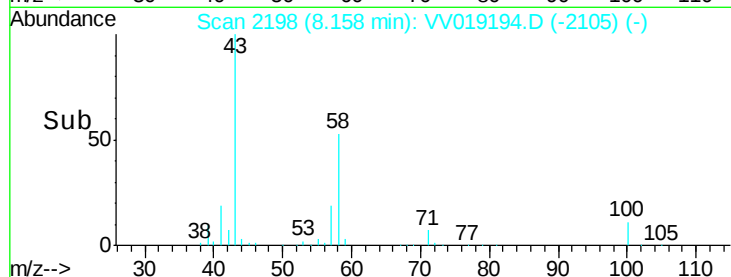


Abundance Ion 43.00 (42.70 to 43.70): VV019194.D (-2198) (-)

Ion 58.00 (57.70 to 58.70): VV019194.D (-2198) (-)

Ion 57.00 (56.70 to 57.70): VV019194.D (-2198) (-)

Ion 100.00 (99.70 to 100.70): VV019194.D (-2198) (-)



#49

Dibromochloromethane

Concen: 47.856 ug/L

RT: 8.27 min Scan# 2232

Delta R.T. 0.00 min

Lab File: VV019194.D

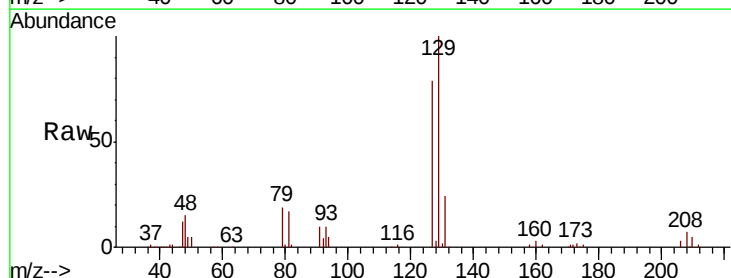
Acq: 30 Oct 2020 19:01

Tgt Ion: 129 Resp: 97306

Ion Ratio Lower Upper

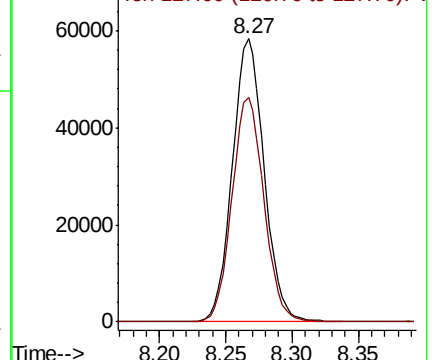
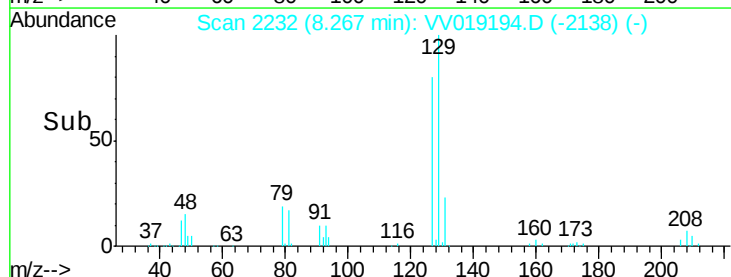
129 100

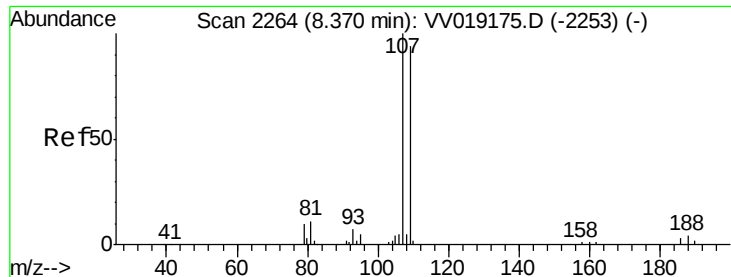
127 79.4 54.7 101.5



Abundance Ion 129.00 (128.70 to 129.70): VV019194.D (-2231) (-)

Ion 127.00 (126.70 to 127.70): VV019194.D (-2231) (-)

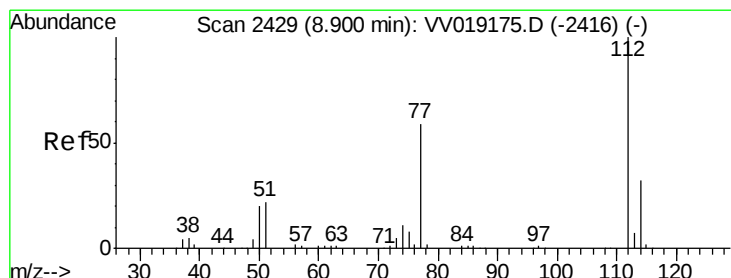
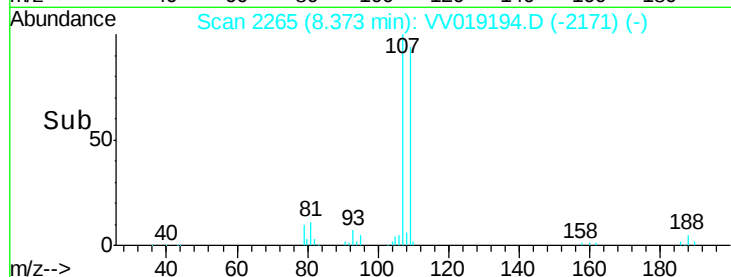
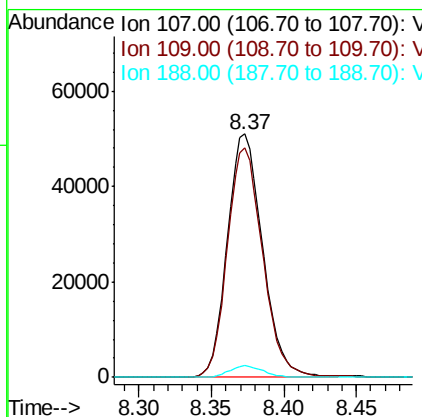
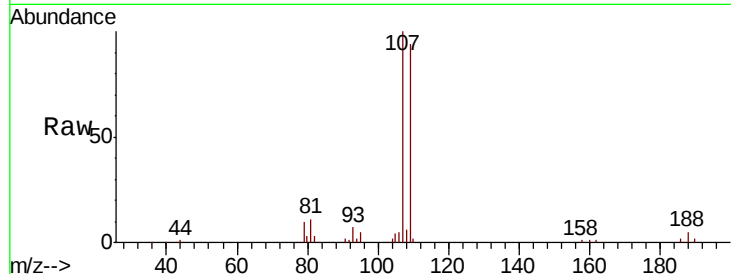




#50
 1,2-Dibromoethane
 Concen: 48.096 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

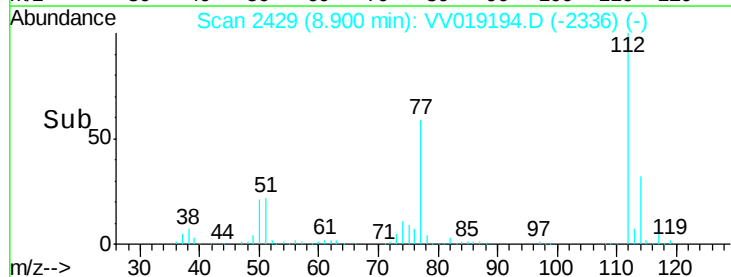
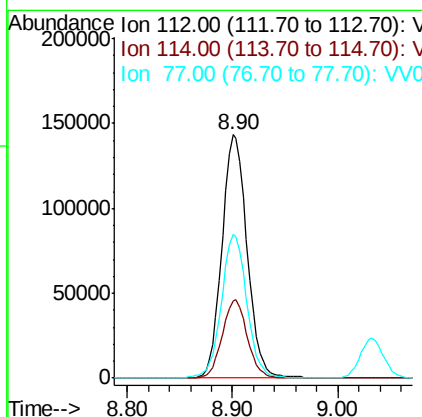
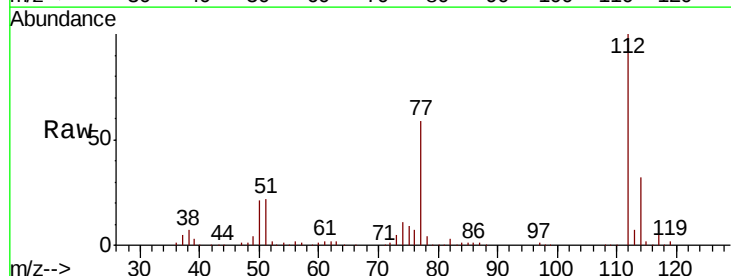
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

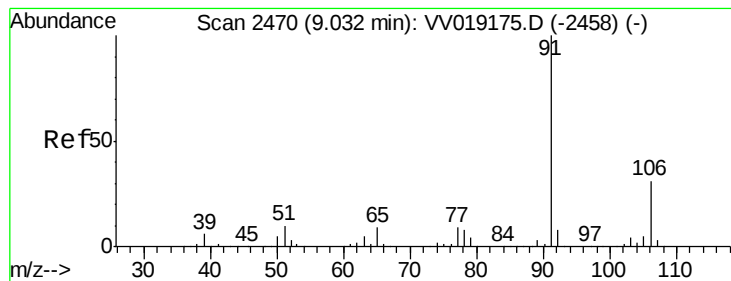
Tot Ion:107 Resp: 86174
 Ion Ratio Lower Upper
 107 100
 109 94.3 65.7 121.9
 188 4.7 3.4 5.2



#51
 Chlorobenzene
 Concen: 48.799 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion:112 Resp: 236483
 Ion Ratio Lower Upper
 112 100
 114 31.6 22.3 41.5
 77 58.9 46.7 70.1





#52

Ethylbenzene

Concen: 49.995 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

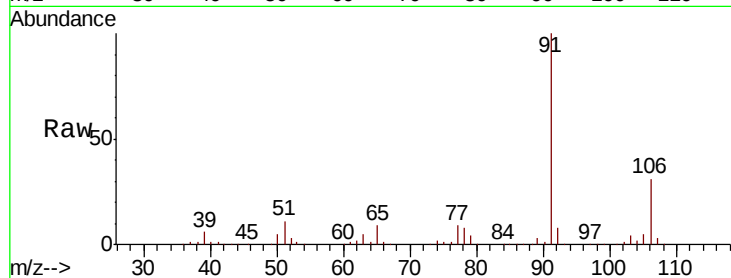
VSTD05082

Tot Ion: 91 Resp: 407197

Ion Ratio Lower Upper

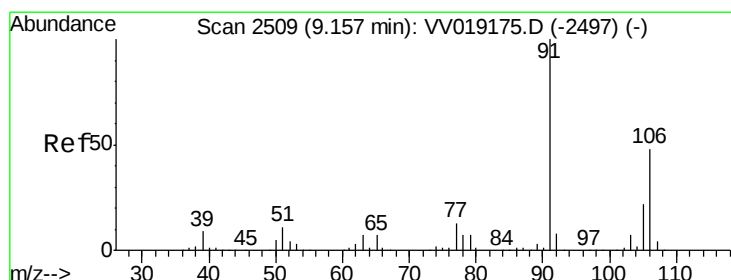
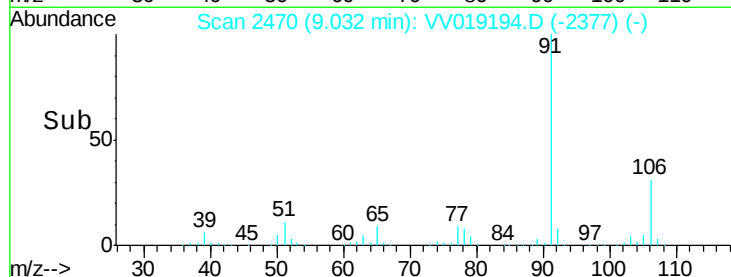
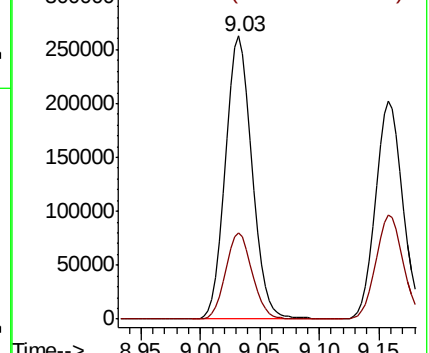
91 100

106 30.6 21.6 40.0



Abundance Ion 91.00 (90.70 to 91.70): VV019194.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV019194.D (-2377) (-)



#53

m,p-Xylene

Concen: 49.939 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV019194.D

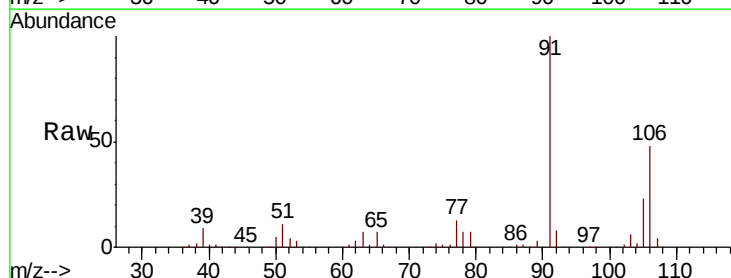
Acq: 30 Oct 2020 19:01

Tgt Ion: 106 Resp: 153626

Ion Ratio Lower Upper

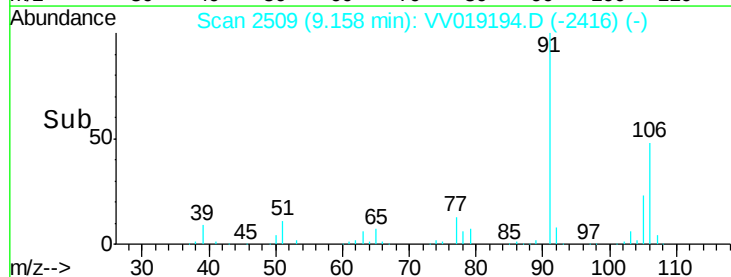
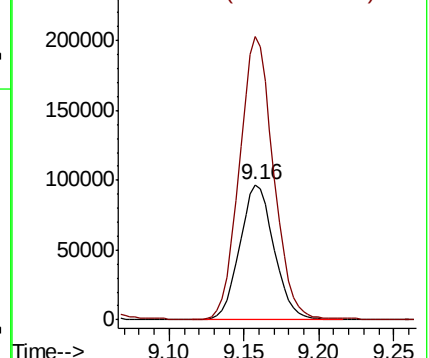
106 100

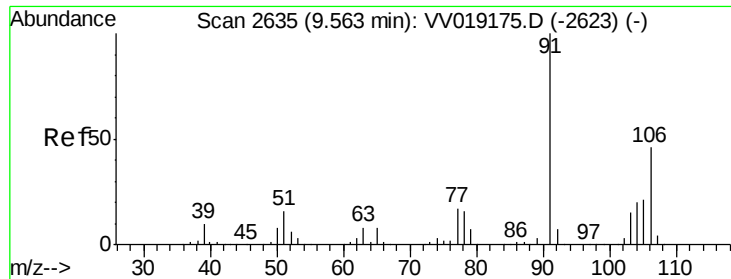
91 209.6 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV019194.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV019194.D (-2416) (-)

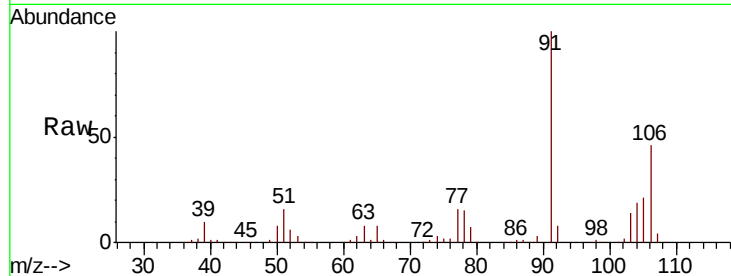




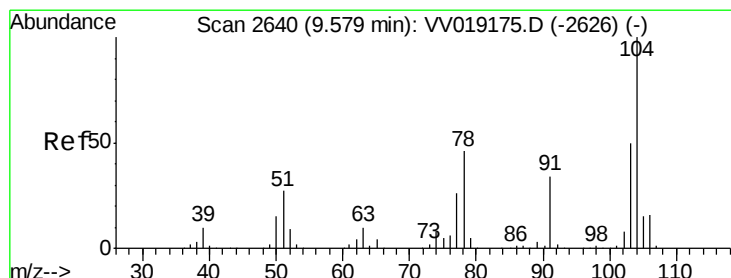
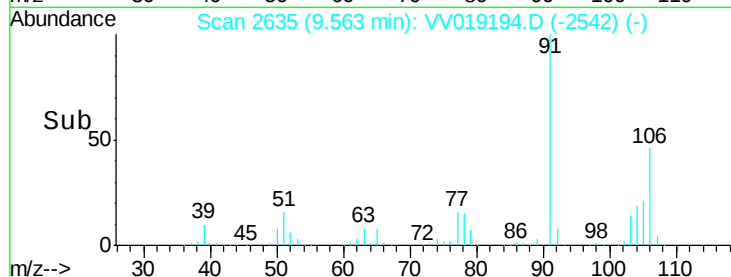
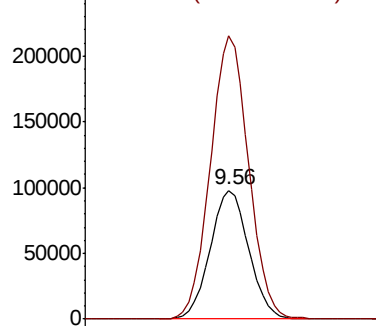
#54
o-xylene
Concen: 50.010 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV019194.D
Acq: 30 Oct 2020 19:01

Instrument :
MSVOA_V
ClientSampleId :
VSTD05082

Tot Ion:106 Resp: 147706
Ion Ratio Lower Upper
106 100
91 219.6 153.4 285.0

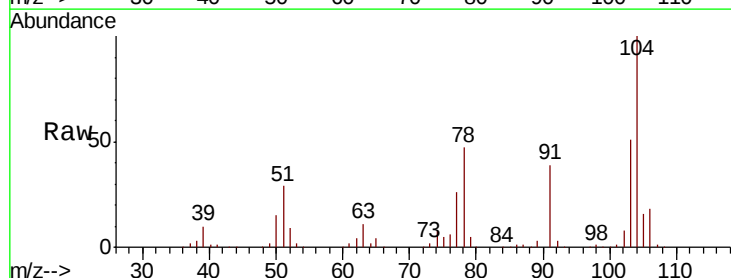


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

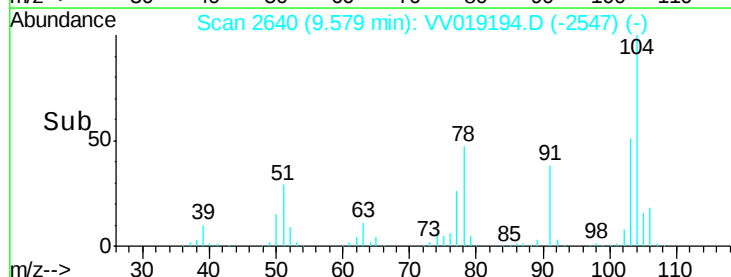
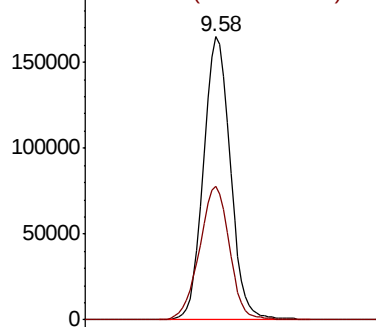


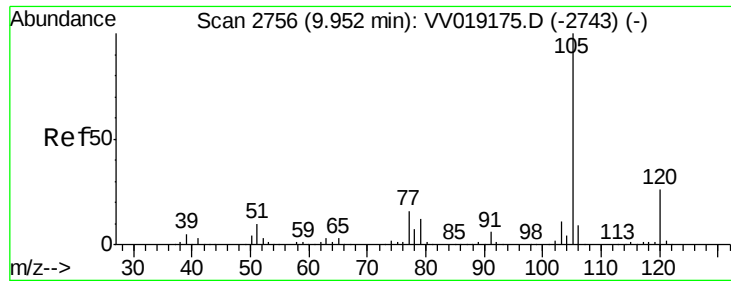
#55
Styrene
Concen: 50.457 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV019194.D
Acq: 30 Oct 2020 19:01

Tgt Ion:104 Resp: 264134
Ion Ratio Lower Upper
104 100
78 47.0 32.8 60.8



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 50.547 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

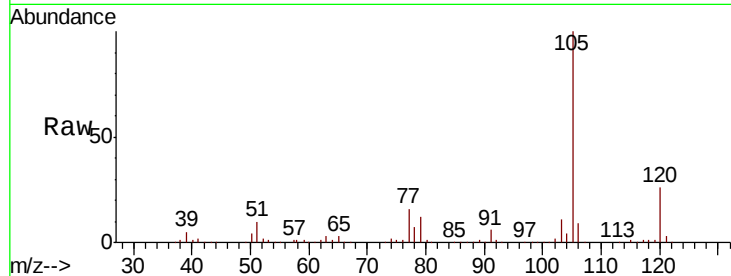
Tot Ion:105 Resp: 401212

Ion Ratio Lower Upper

105 100

120 25.8 21.3 31.9

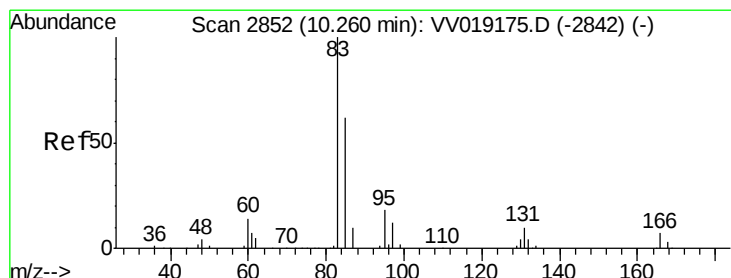
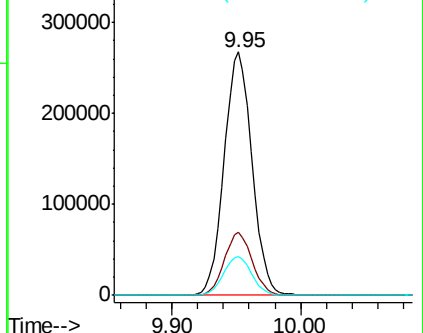
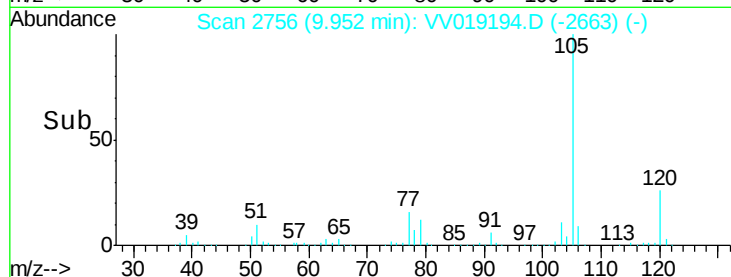
77 16.2 13.0 19.4



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 48.565 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

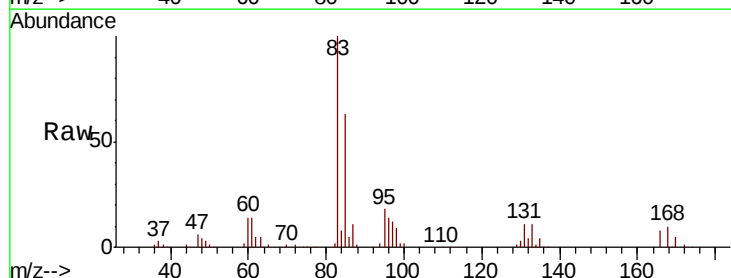
Tgt Ion: 83 Resp: 124188

Ion Ratio Lower Upper

83 100

85 63.2 45.8 85.0

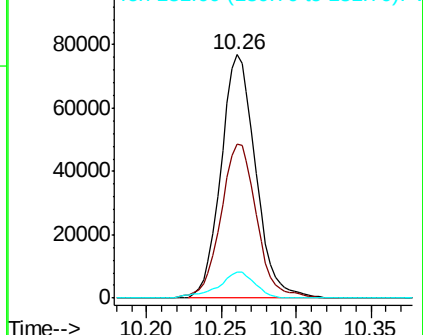
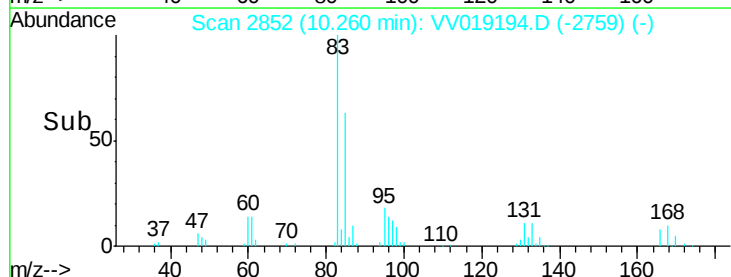
131 10.7 8.9 13.3

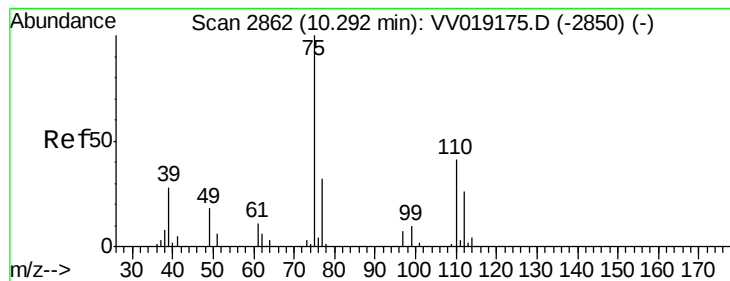


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 47.894 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

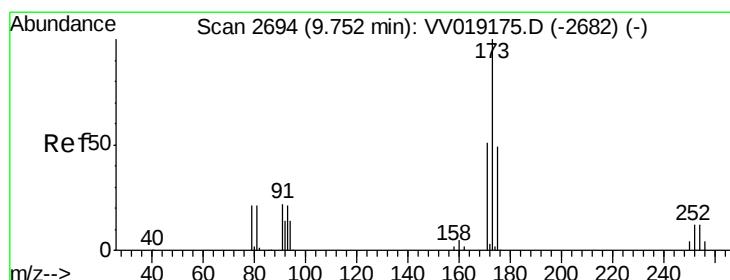
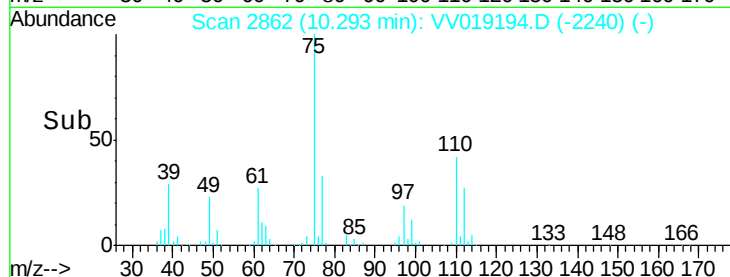
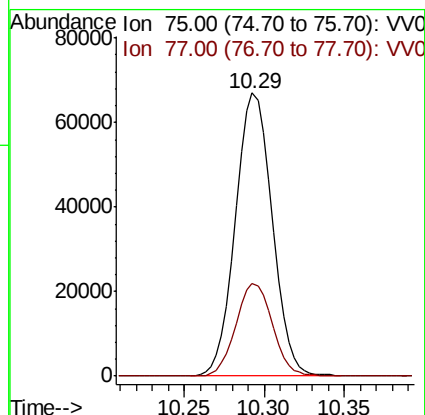
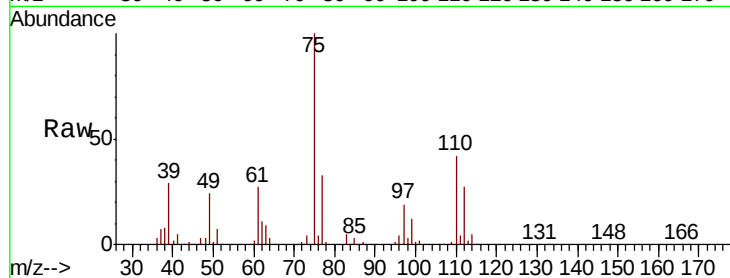
VSTD05082

Tot Ion: 75 Resp: 104838

Ion Ratio Lower Upper

75 100

77 32.5 26.2 39.4



#61

Bromoform

Concen: 47.169 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

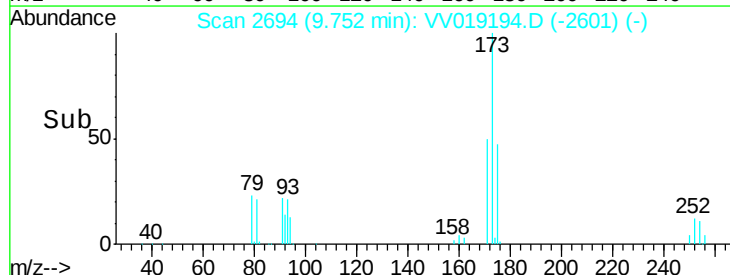
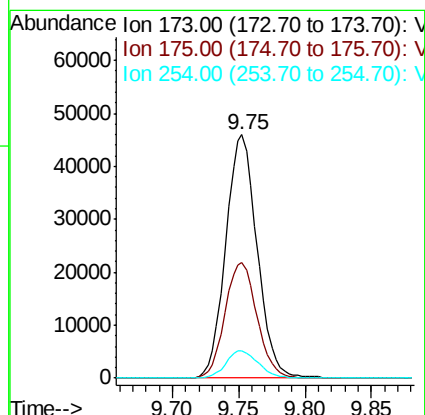
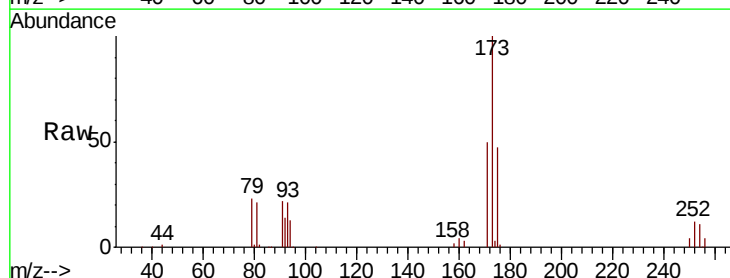
Tgt Ion: 173 Resp: 75537

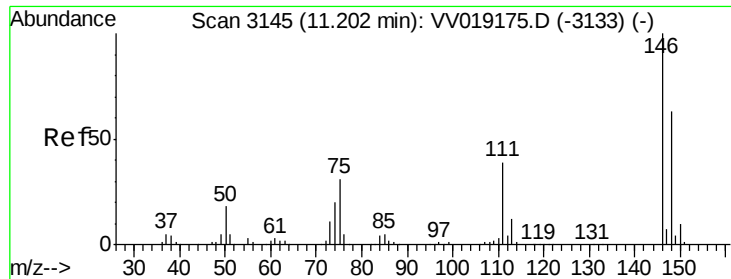
Ion Ratio Lower Upper

173 100

175 48.2 39.8 59.6

254 11.6 9.7 14.5





#62

1,3-Dichlorobenzene

Concen: 48.748 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

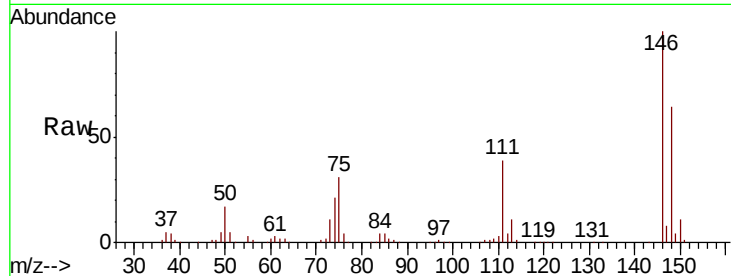
Tot Ion:146 Resp: 199621

Ion Ratio Lower Upper

146 100

111 39.0 27.1 50.3

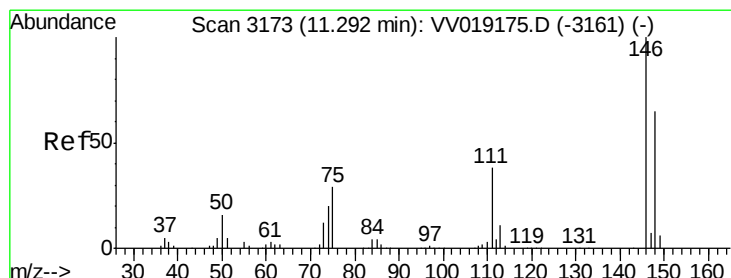
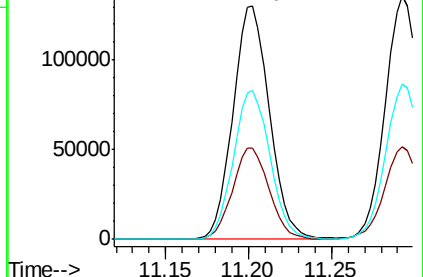
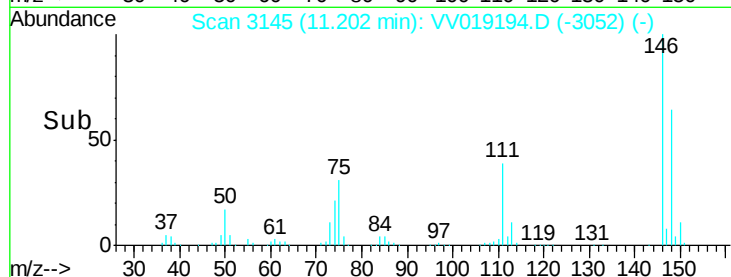
148 63.6 44.7 83.1



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



#63

1,4-Dichlorobenzene

Concen: 47.967 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

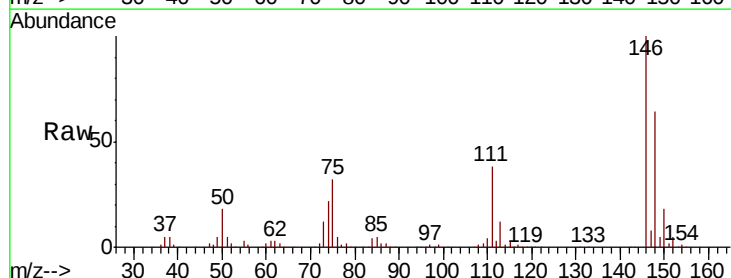
Tgt Ion:146 Resp: 204130

Ion Ratio Lower Upper

146 100

111 38.2 25.8 48.0

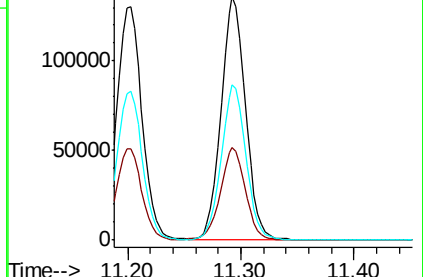
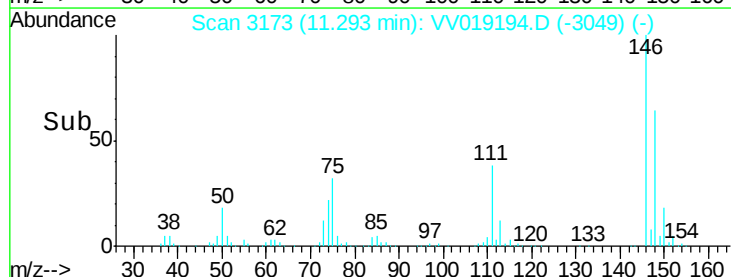
148 63.7 44.0 81.6

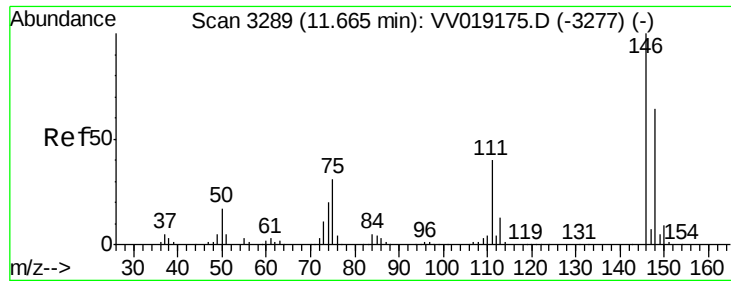


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 48.642 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

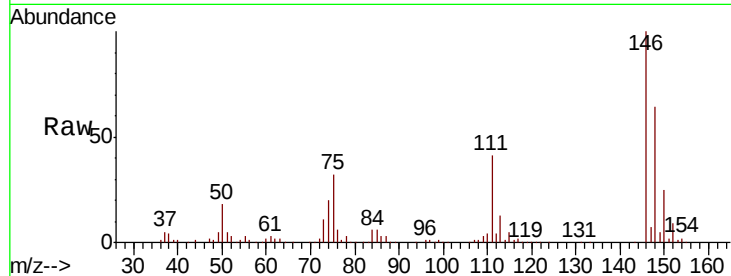
Tot Ion:146 Resp: 197319

Ion Ratio Lower Upper

146 100

111 40.7 32.2 48.4

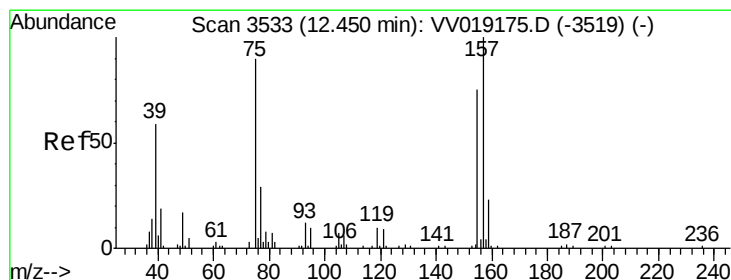
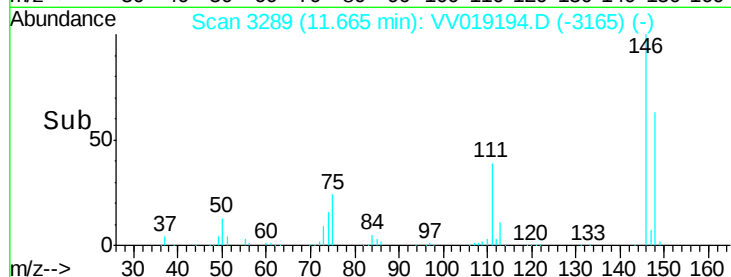
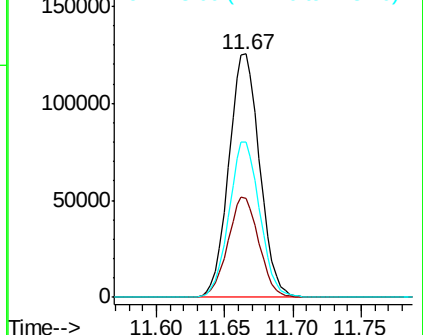
148 63.9 50.8 76.2



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



#66

1,2-Dibromo-3-chloropropane

Concen: 45.638 ug/L

RT: 12.45 min Scan# 3532

Delta R.T. -0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

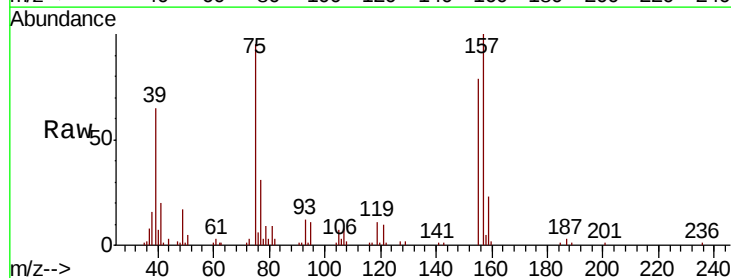
Tgt Ion: 75 Resp: 31677

Ion Ratio Lower Upper

75 100

155 82.6 71.1 106.7

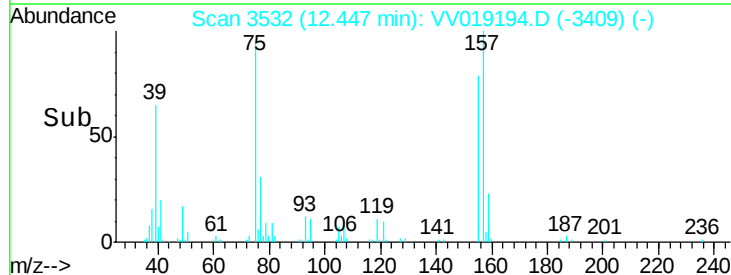
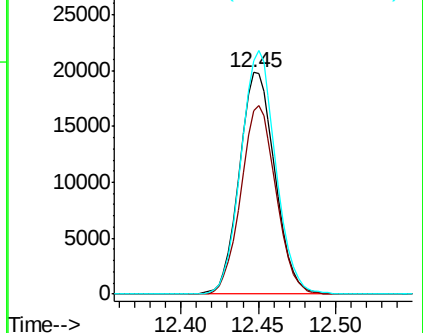
157 105.2 90.5 135.7

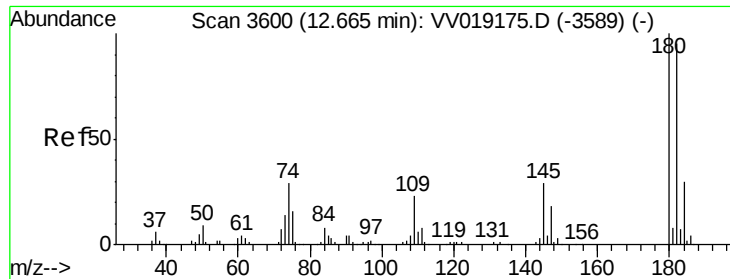


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

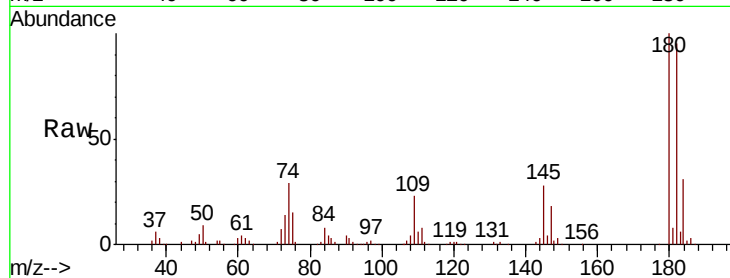




#67
 1,3,5-Trichlorobenzene
 Concen: 47.130 ug/L
 RT: 12.67 min Scan# 3600
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05082

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.3	76.1	114.1
184	30.8	24.5	36.7
145	28.9	22.7	34.1



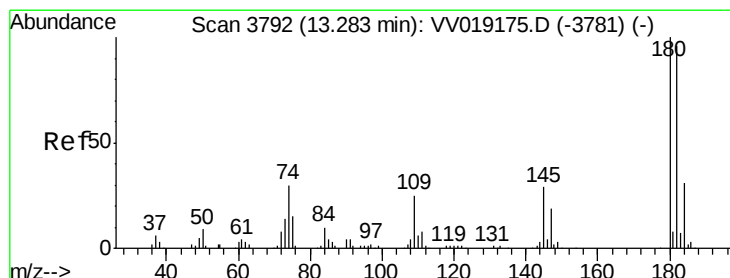
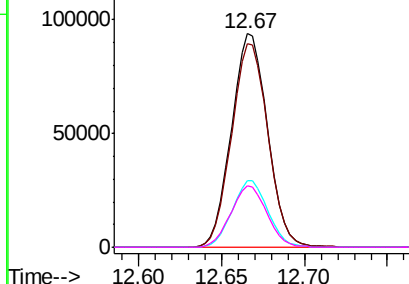
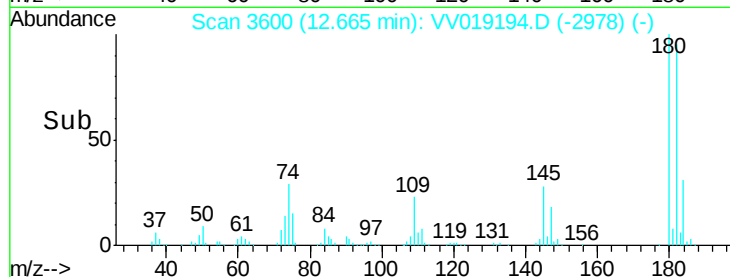
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

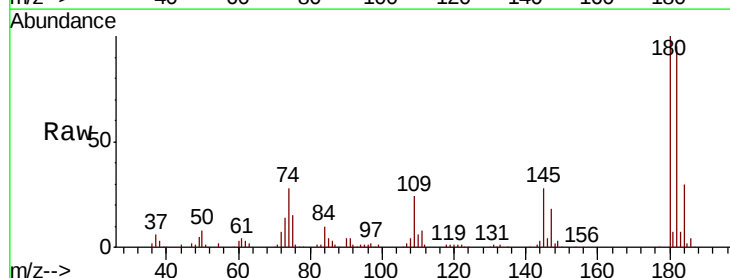
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 47.810 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV019194.D
 Acq: 30 Oct 2020 19:01

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.0	75.8	113.6
145	28.9	22.6	34.0

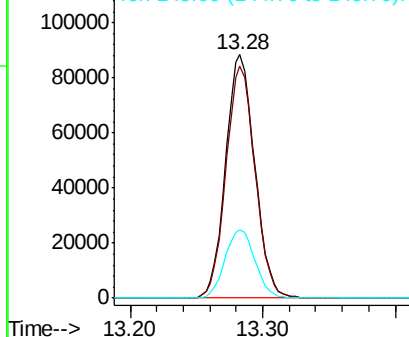
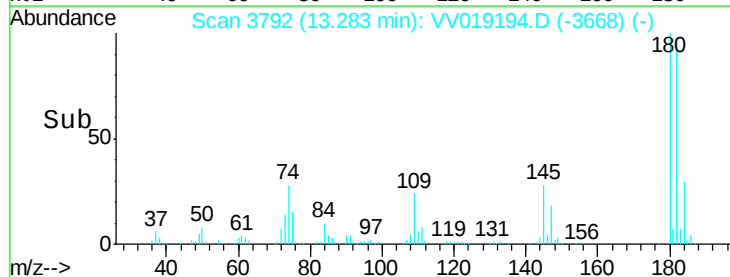


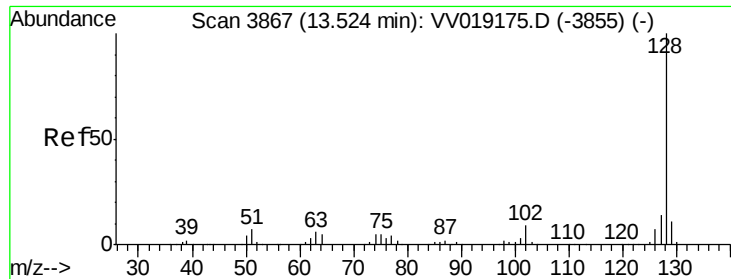
Abundance

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: 49.516 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

Instrument :

MSVOA_V

ClientSampleId :

VSTD05082

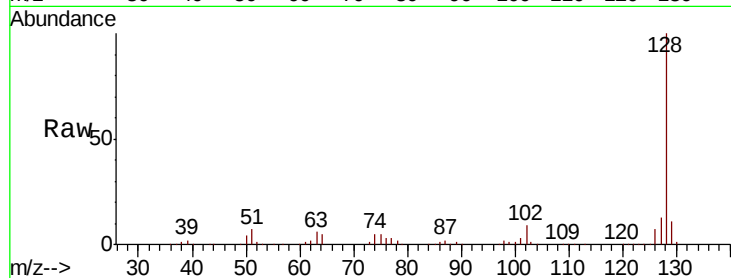
Tot Ion:128 Resp: 391696

Ion Ratio Lower Upper

128 100

127 13.1 10.8 16.2

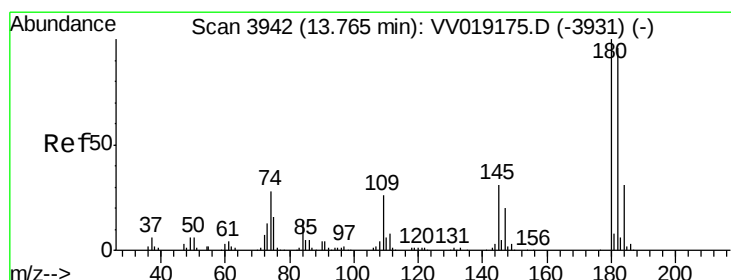
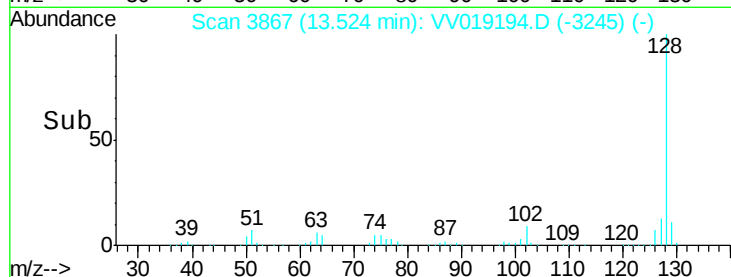
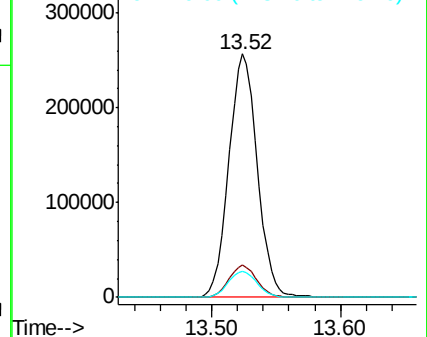
129 10.8 8.6 13.0



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: 49.499 ug/L

RT: 13.77 min Scan# 3942

Delta R.T. 0.00 min

Lab File: VV019194.D

Acq: 30 Oct 2020 19:01

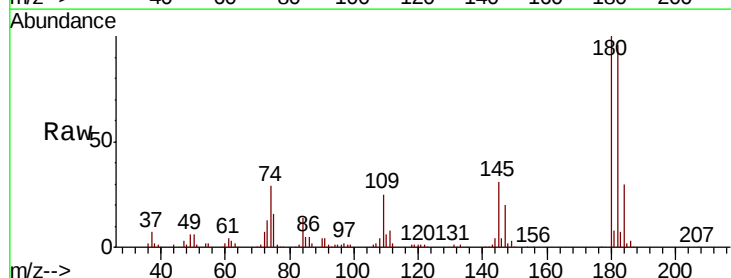
Tgt Ion:180 Resp: 136807

Ion Ratio Lower Upper

180 100

182 95.4 76.2 114.4

145 30.8 25.1 37.7



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

