

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018529.D
 Acq On : 29 Sep 2020 20:15
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Quant Time: Sep 30 01:52:59 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:47:57 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	435673	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	415317	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	227651	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	126440	49.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	98.96%
7) Chloroethane-d5	1.58	69	104150	49.30	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	98.60%
11) 1,1-Dichloroethene-d2	2.12	63	252074	48.42	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.84%
21) 2-Butanone-d5	3.92	46	207762	109.01	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	109.01%
24) Chloroform-d	4.38	84	269220	48.73	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.46%
26) 1,2-Dichloroethane-d4	5.06	65	172438	49.16	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.32%
32) Benzene-d6	5.08	84	544622	51.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	103.54%
36) 1,2-Dichloropropane-d6	6.09	67	168246	52.93	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	105.86%
41) Toluene-d8	7.34	98	511261	51.66	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.32%
43) trans-1,3-Dichloropropene-	7.64	79	87861	51.17	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	102.34%
47) 2-Hexanone-d5	8.11	63	138518	114.73	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.73%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	218062	51.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	103.50%
64) 1,2-Dichlorobenzene-d4	11.65	152	220534	50.37	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.74%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	135098	45.605	ug/L 99
3) Chloromethane	1.25	50	152673	48.166	ug/L 97
5) Vinyl chloride	1.32	62	158423	47.537	ug/L 99
6) Bromomethane	1.53	94	109511	48.281	ug/L 98
8) Chloroethane	1.60	64	99283	48.344	ug/L 98
9) Trichlorofluoromethane	1.77	101	231977	45.799	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	131501	46.386	ug/L 99
12) 1,1-Dichloroethene	2.13	96	129869	47.751	ug/L 99
13) Acetone	2.20	43	142042	86.262	ug/L 100
14) Carbon disulfide	2.31	76	408797	46.400	ug/L 100
15) Methyl Acetate	2.45	43	156673	49.388	ug/L 99
16) Methylene chloride	2.52	84	157051	48.113	ug/L 99
17) trans-1,2-Dichloroethene	2.78	96	148855	47.832	ug/L 98
18) Methyl tert-butyl Ether	2.78	73	471255	49.701	ug/L 99
19) 1,1-Dichloroethane	3.21	63	266391	48.889	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	163061	49.303	ug/L 96
22) 2-Butanone	4.00	43	215693	103.692	ug/L 99

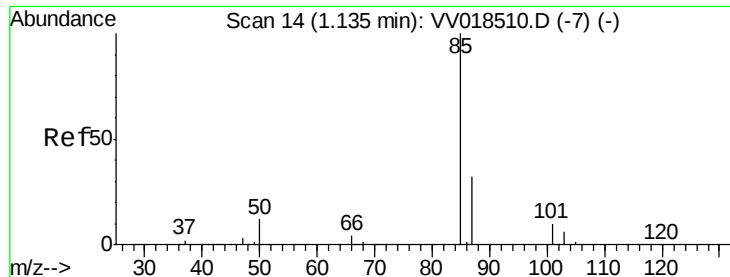
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.28	128	86499	47.561	ug/L	97
25) Chloroform	4.40	83	272011	47.277	ug/L	100
27) 1,2-Dichloroethane	5.15	62	215252	47.999	ug/L	98
29) Cyclohexane	4.70	56	239264	50.512	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	245245	47.565	ug/L	99
31) Carbon tetrachloride	4.86	117	218206	47.155	ug/L	100
33) Benzene	5.13	78	612778	50.222	ug/L	100
34) Trichloroethene	5.94	95	170488	48.129	ug/L	99
35) Methylcyclohexane	6.15	83	224884	47.061	ug/L	99
37) 1,2-Dichloropropane	6.20	63	156124	49.873	ug/L	99
38) Bromodichloromethane	6.53	83	201737	48.120	ug/L	97
39) cis-1,3-Dichloropropene	7.05	75	242030	49.278	ug/L	97
40) 4-Methyl-2-pentanone	7.25	43	428099	105.981	ug/L	100
42) Toluene	7.41	91	656912	49.768	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	242584	50.280	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	153114	49.409	ug/L	98
46) Tetrachloroethene	8.00	164	136975	47.664	ug/L	99
48) 2-Hexanone	8.16	43	329382	104.510	ug/L	97
49) Dibromochloromethane	8.27	129	167206	47.174	ug/L	100
50) 1,2-Dibromoethane	8.37	107	164067	49.795	ug/L	98
51) Chlorobenzene	8.90	112	441210	49.410	ug/L	99
52) Ethylbenzene	9.03	91	732383	49.684	ug/L	100
53) m,p-Xylene	9.16	106	280501	49.239	ug/L	100
54) o-xylene	9.56	106	272582	50.539	ug/L	100
55) Styrene	9.58	104	470425	50.092	ug/L	98
56) Isopropylbenzene	9.95	105	715361	49.456	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	216831	49.640	ug/L	99
59) 1,2,3-Trichloropropane	10.29	75	190786	50.105	ug/L	99
61) Bromoform	9.75	173	127458	48.742	ug/L	98
62) 1,3-Dichlorobenzene	11.20	146	352085	47.789	ug/L	97
63) 1,4-Dichlorobenzene	11.29	146	366980	48.372	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	354639	48.657	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.45	75	50828	51.084	ug/L	99
67) 1,3,5-Trichlorobenzene	12.67	180	235143	46.076	ug/L	99
68) 1,2,4-trichlorobenzene	13.28	180	234150	49.306	ug/L	99
69) Naphthalene	13.52	128	735296	54.090	ug/L	100
70) 1,2,3-Trichlorobenzene	13.76	180	229595	48.161	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 45.605 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

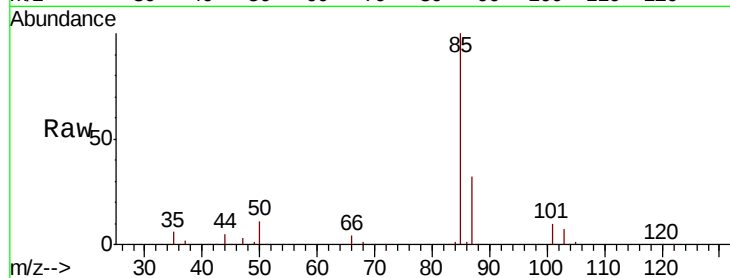
VSTD05092

Tot Ion: 85 Resp: 135098

Ion Ratio Lower Upper

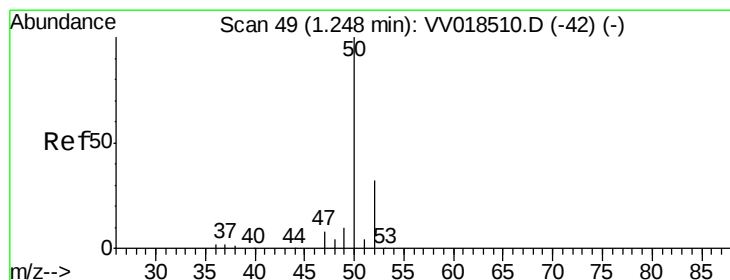
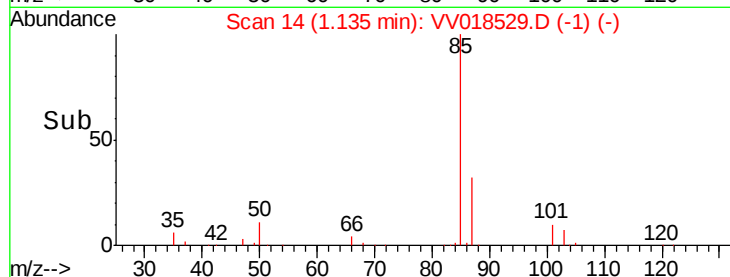
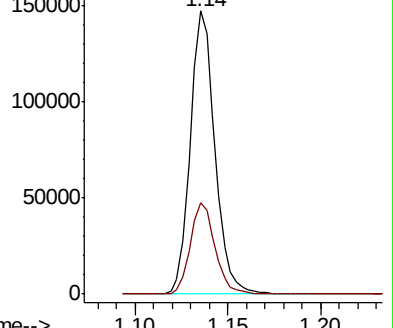
85 100

87 32.4 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV018510.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV018510.D (-7) (-)



#3

Chloromethane

Concen: 48.166 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018529.D

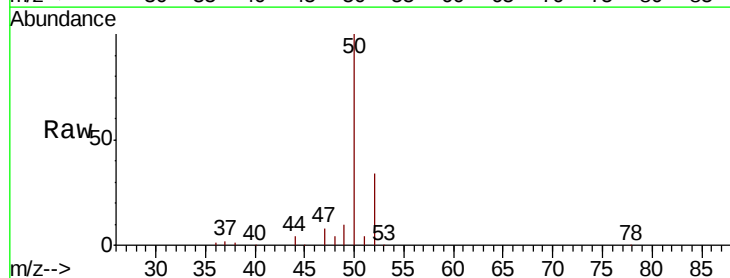
Acq: 29 Sep 2020 20:15

Tgt Ion: 50 Resp: 152673

Ion Ratio Lower Upper

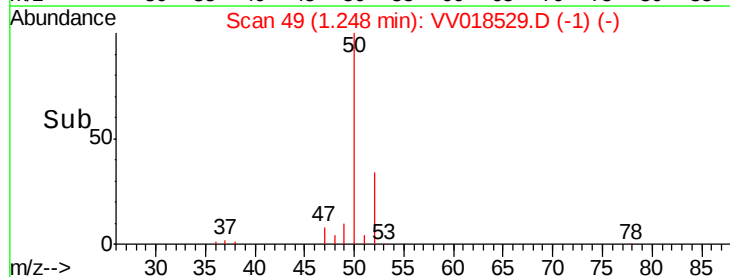
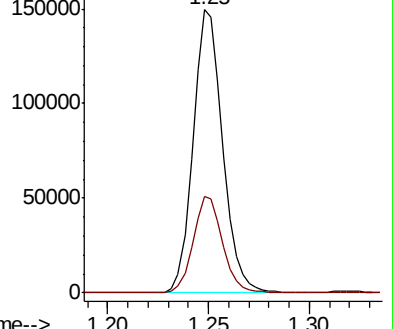
50 100

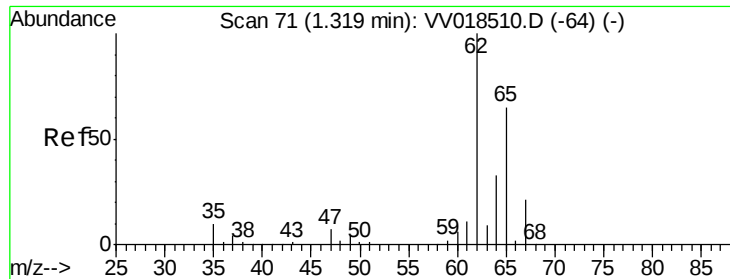
52 33.9 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV018510.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018510.D (-42) (-)





#5

Vinyl chloride

Concen: 47.537 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

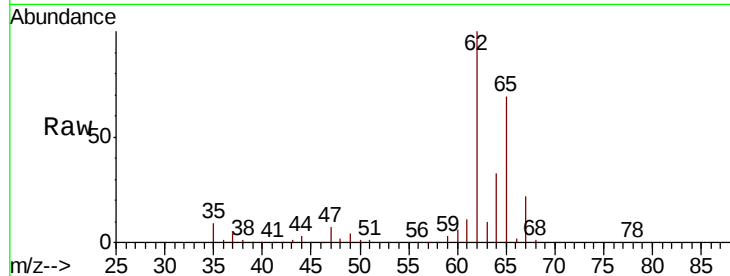
VSTD05092

Tot Ion: 62 Resp: 158423

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

150000

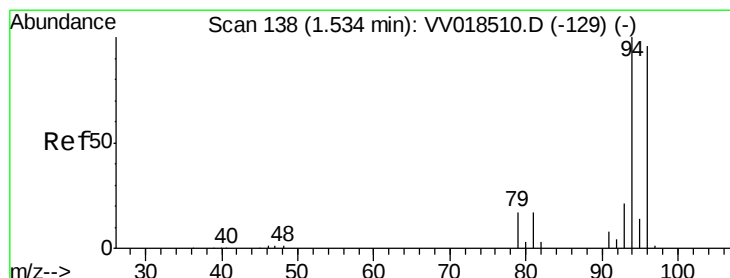
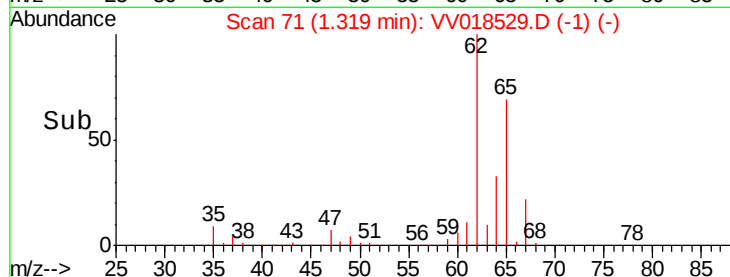
100000

50000

0

1.30 1.35

Time-->



#6

Bromomethane

Concen: 48.281 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018529.D

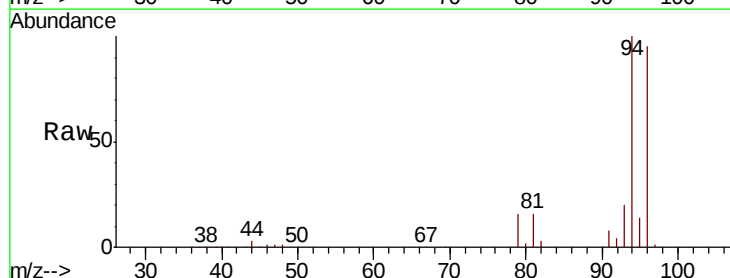
Acq: 29 Sep 2020 20:15

Tgt Ion: 94 Resp: 109511

Ion Ratio Lower Upper

94 100

96 94.6 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

60000

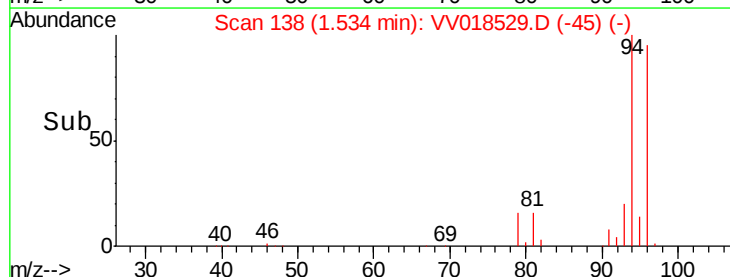
40000

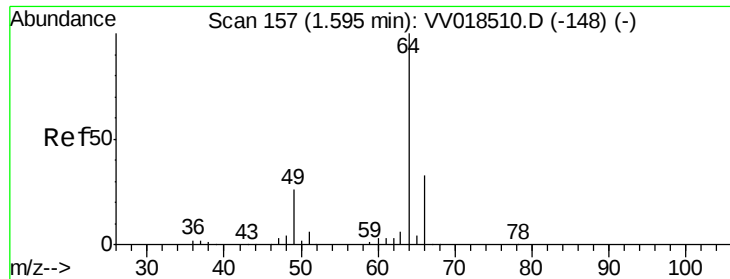
20000

0

1.50 1.55 1.60

Time-->





#8

Chloroethane

Concen: 48.344 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

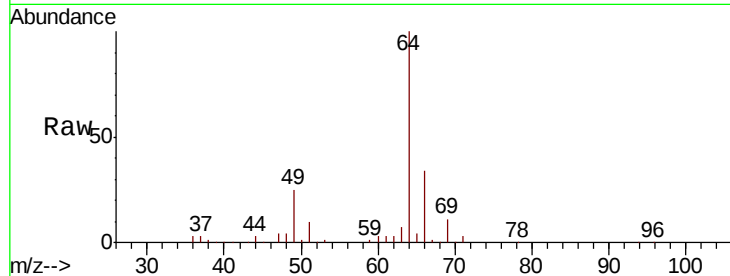
VSTD05092

Tot Ion: 64 Resp: 99283

Ion Ratio Lower Upper

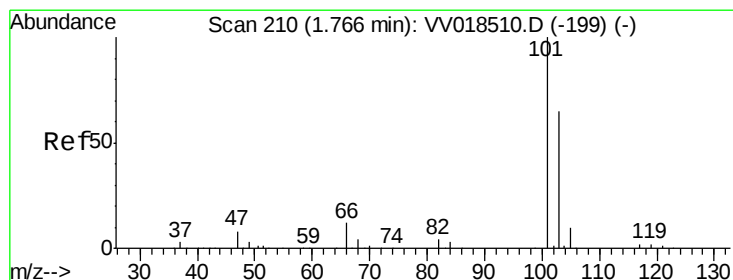
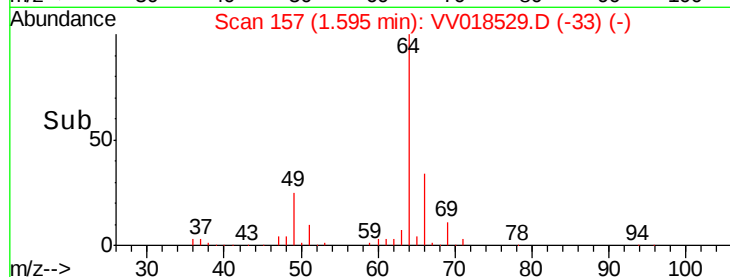
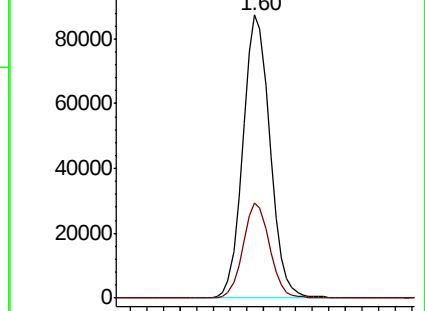
64 100

66 33.8 22.8 42.4



Abundance Ion 64.00 (63.70 to 64.70): VV018510.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018529.D (-86) (-)



#9

Trichlorofluoromethane

Concen: 45.799 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018529.D

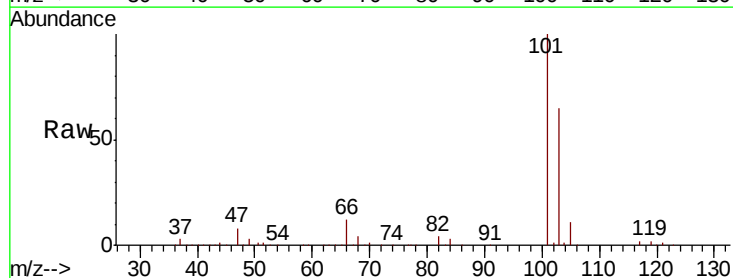
Acq: 29 Sep 2020 20:15

Tgt Ion: 101 Resp: 231977

Ion Ratio Lower Upper

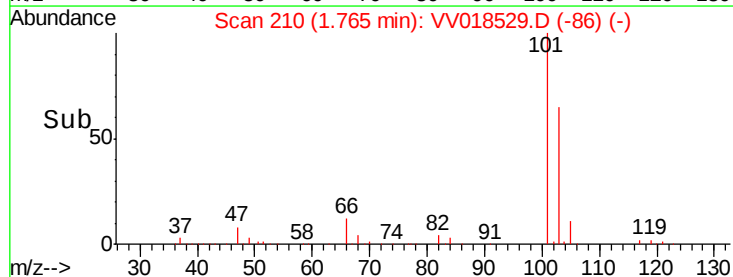
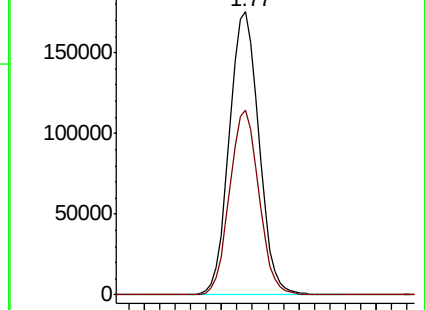
101 100

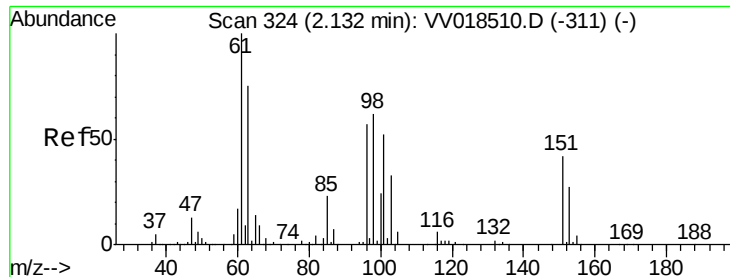
103 64.5 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV018510.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018529.D (-86) (-)





#10

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

Concen: 46.386 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

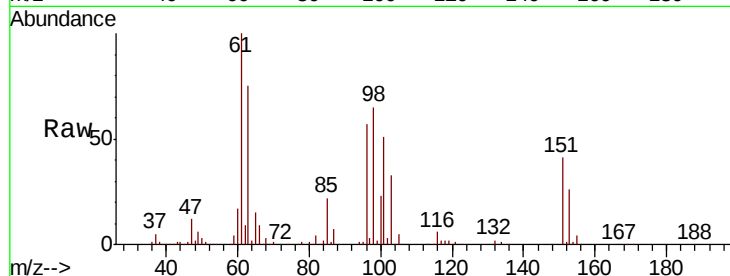
Tot Ion:101 Resp: 131501

Ion Ratio Lower Upper

101 100

85 42.6 34.6 52.0

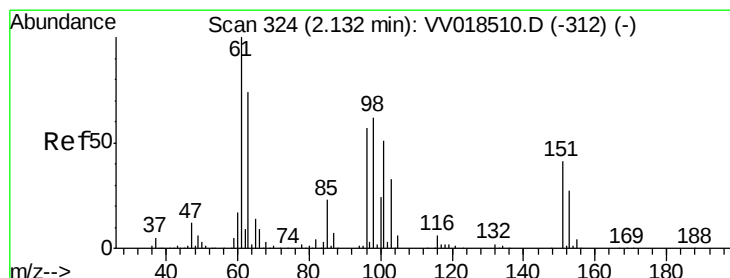
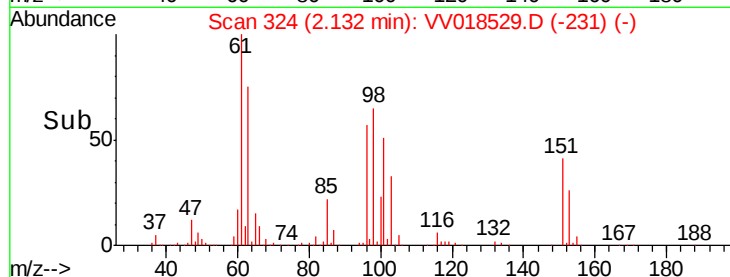
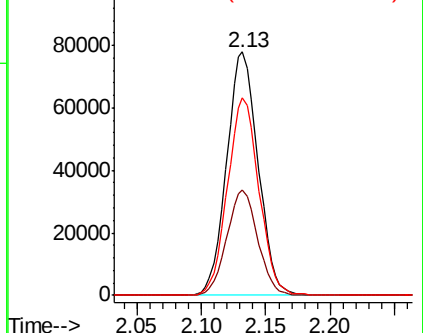
151 81.2 64.3 96.5



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 47.751 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

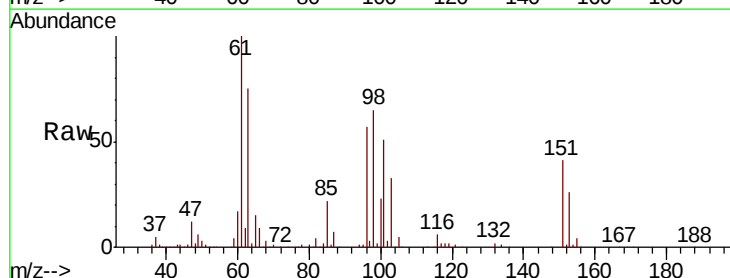
Tgt Ion: 96 Resp: 129869

Ion Ratio Lower Upper

96 100

61 174.3 122.8 228.1

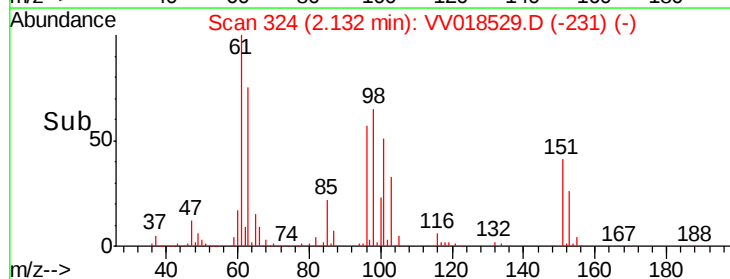
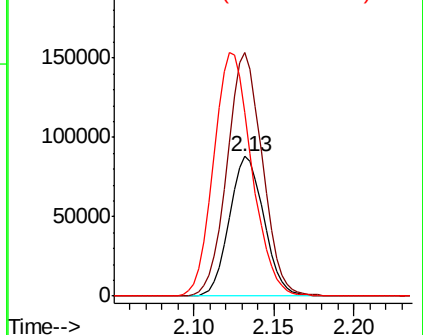
63 131.3 91.9 170.7

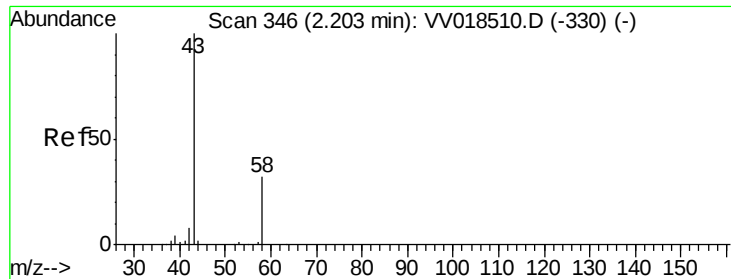


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 86.262 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

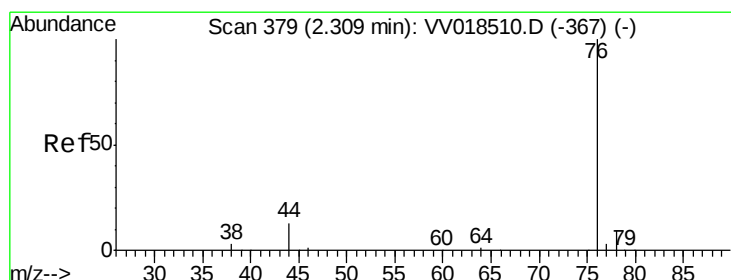
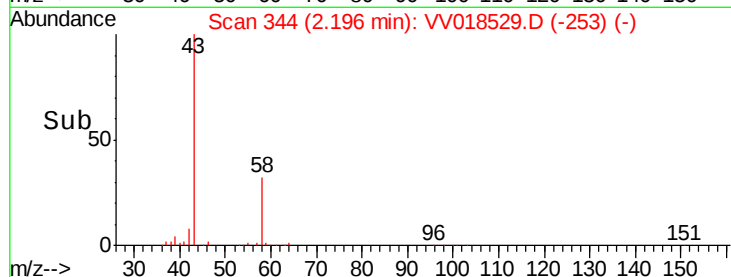
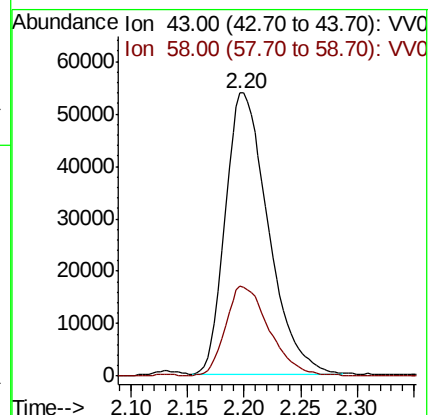
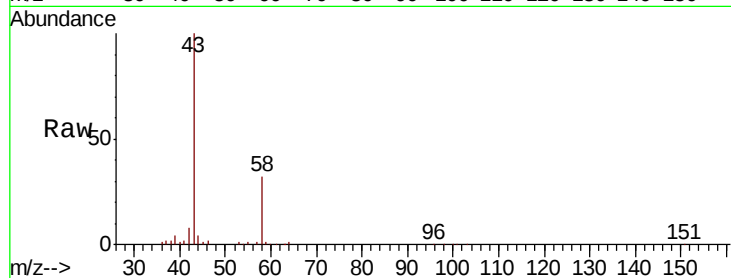
VSTD05092

Tot Ion: 43 Resp: 142042

Ion Ratio Lower Upper

43 100

58 32.0 0.0 64.0



#14

Carbon disulfide

Concen: 46.400 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018529.D

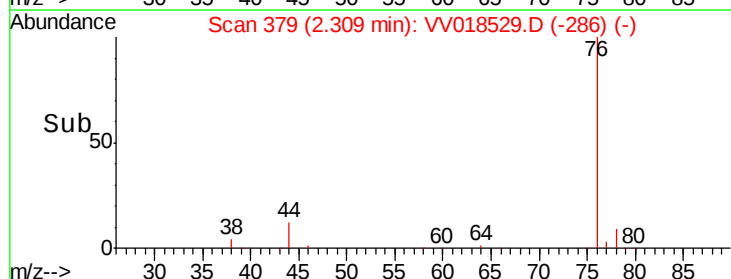
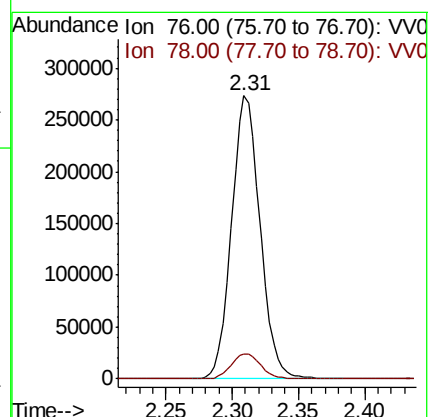
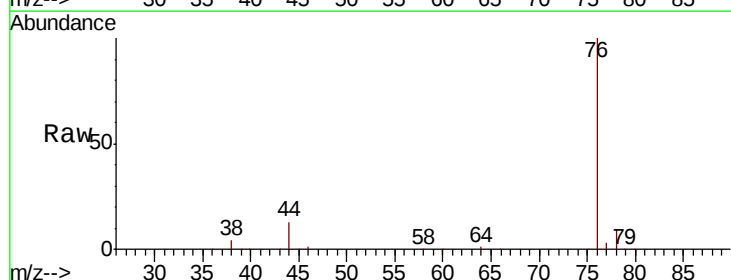
Acq: 29 Sep 2020 20:15

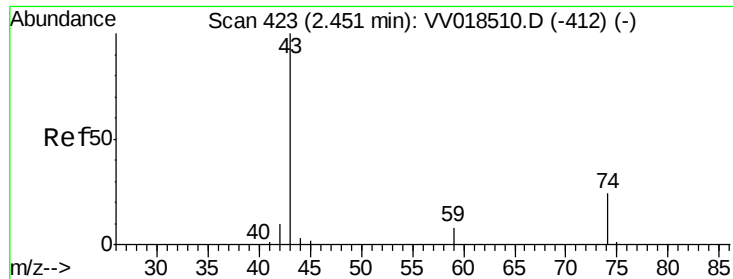
Tgt Ion: 76 Resp: 408797

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7

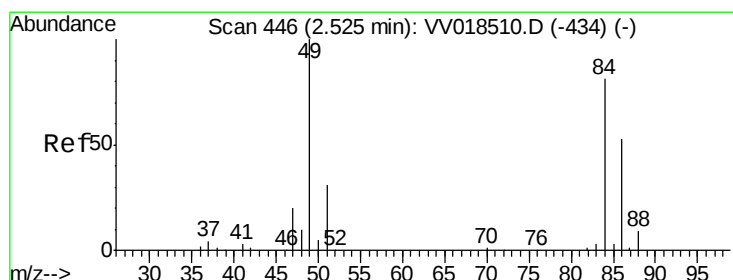
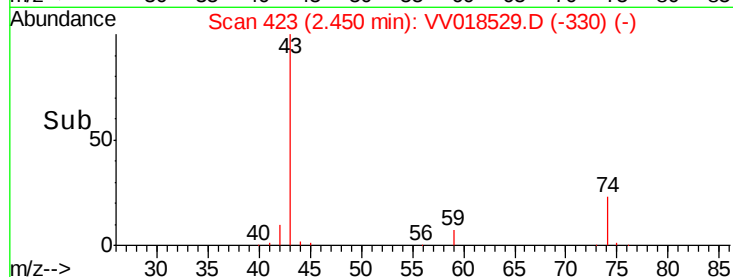
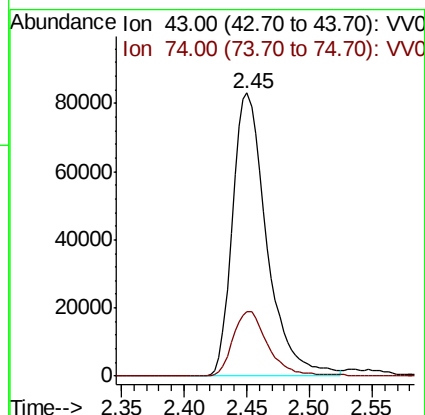
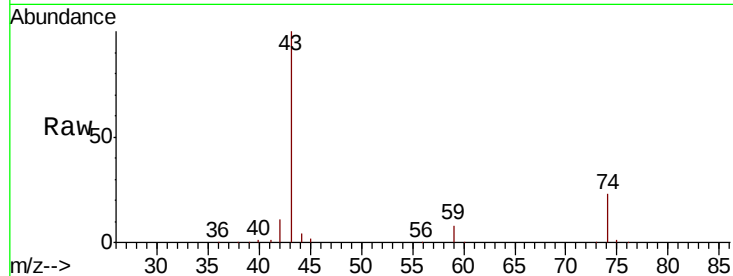




#15
Methvl Acetate
Concen: 49.388 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

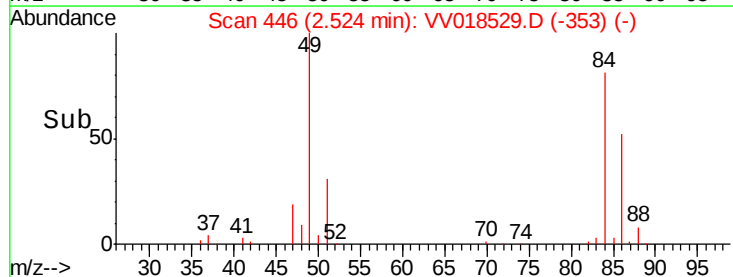
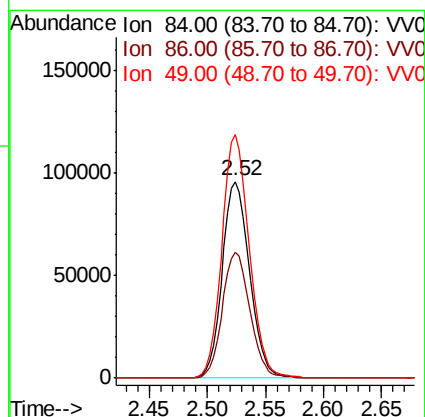
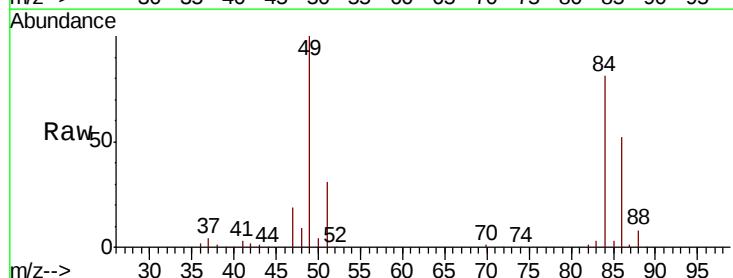
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

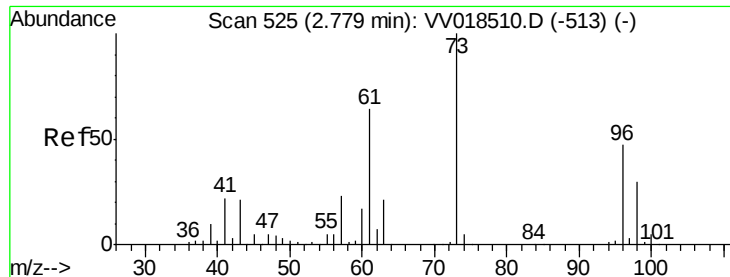
Tot Ion: 43 Resp: 156673
Ion Ratio Lower Upper
43 100
74 23.3 19.2 28.8



#16
Methylene chloride
Concen: 48.113 ug/L
RT: 2.52 min Scan# 446
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion: 84 Resp: 157051
Ion Ratio Lower Upper
84 100
86 64.2 46.2 85.8
49 123.7 86.6 160.8

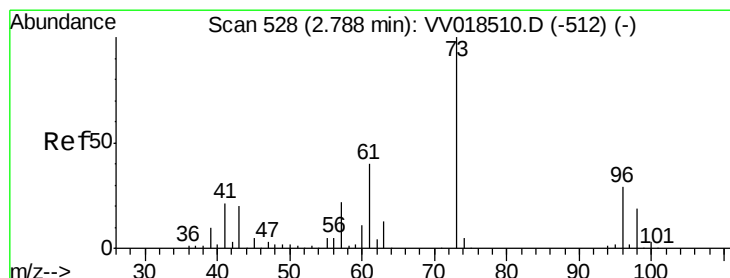
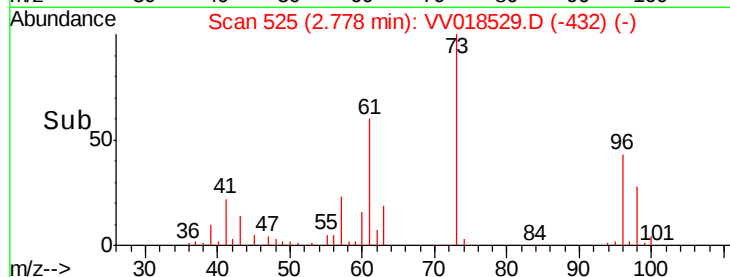
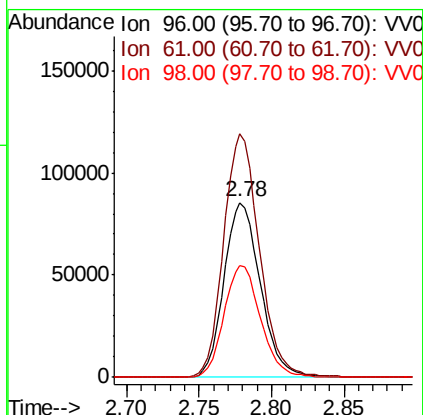
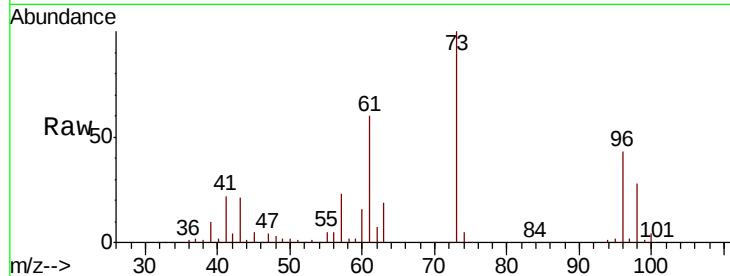




#17
trans-1,2-Dichloroethene
Concen: 47.832 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

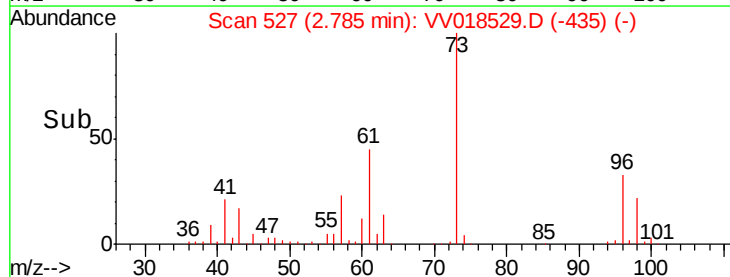
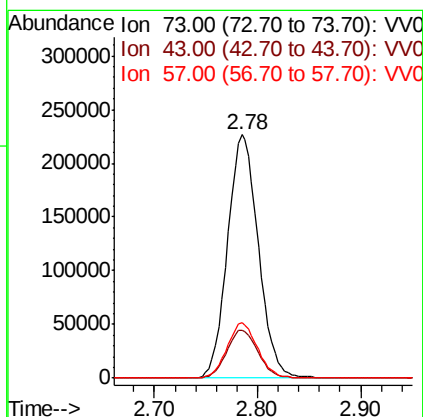
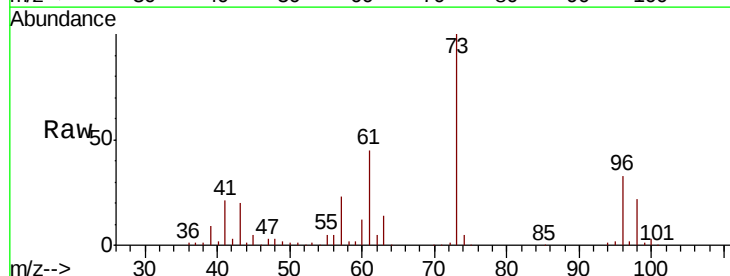
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

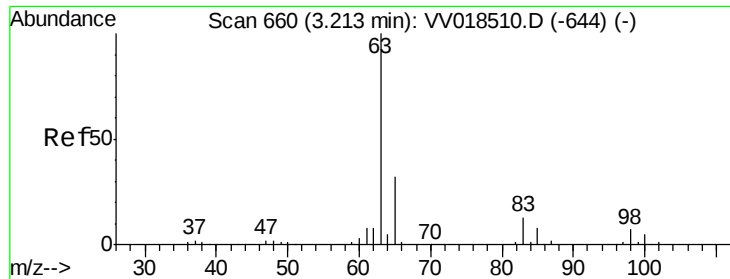
Tot Ion: 96 Resp: 148855
Ion Ratio Lower Upper
96 100
61 139.4 95.0 176.4
98 63.9 44.6 82.8



#18
Methyl tert-butyl Ether
Concen: 49.701 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion: 73 Resp: 471255
Ion Ratio Lower Upper
73 100
43 19.9 15.9 23.9
57 22.6 17.5 26.3

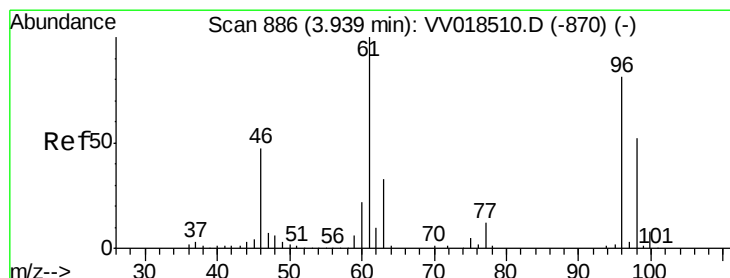
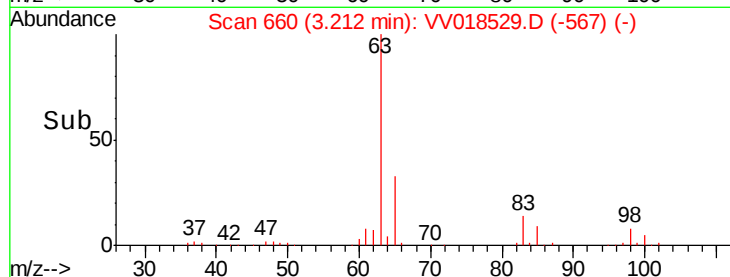
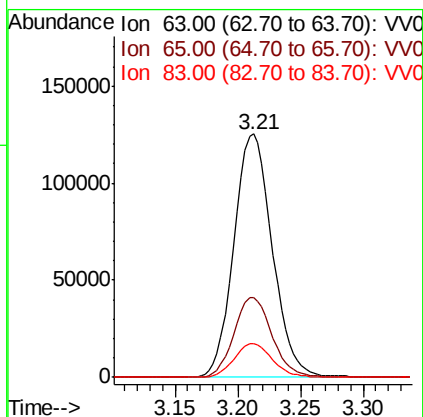
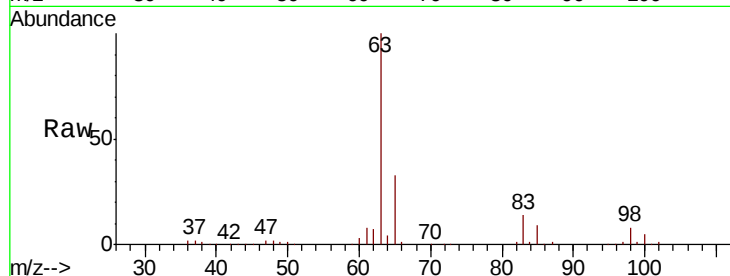




#19
 1,1-Dichloroethane
 Concen: 48.889 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

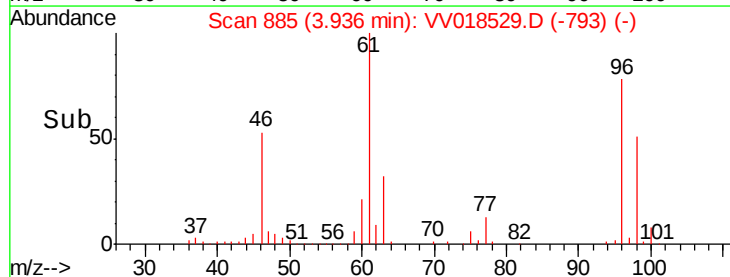
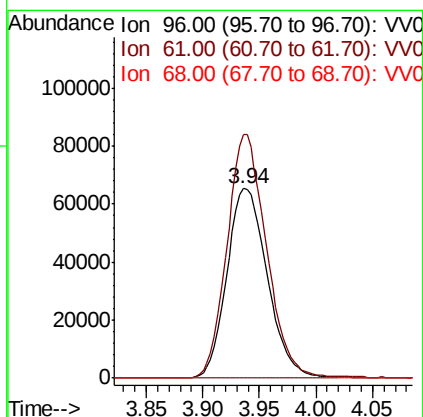
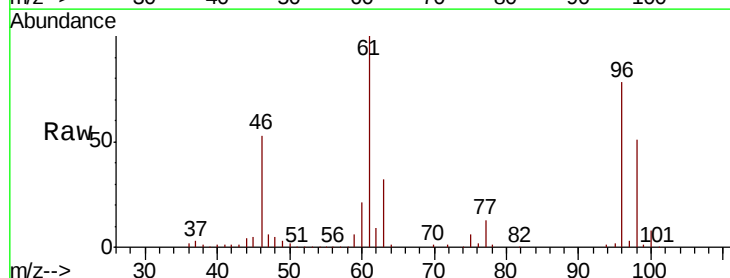
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

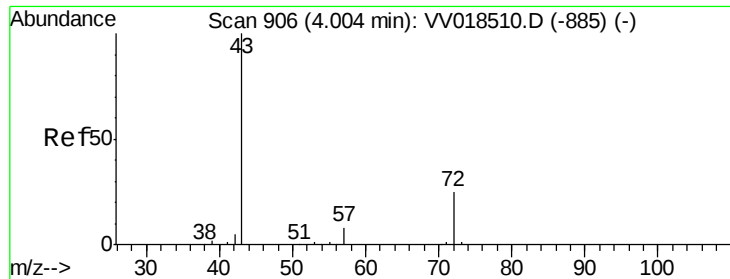
Tot Ion: 63 Resp: 266391
 Ion Ratio Lower Upper
 63 100
 65 32.8 22.3 41.3
 83 13.9 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 49.303 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

Tgt Ion: 96 Resp: 163061
 Ion Ratio Lower Upper
 96 100
 61 128.4 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 103.692 ug/L

RT: 4.00 min Scan# 905

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

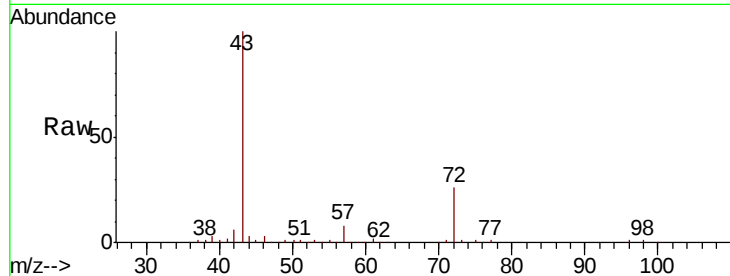
VSTD05092

Tot Ion: 43 Resp: 215693

Ion Ratio Lower Upper

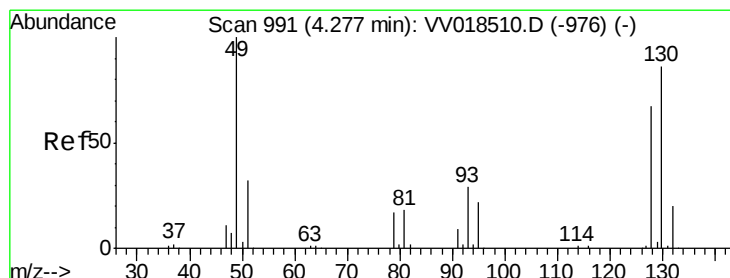
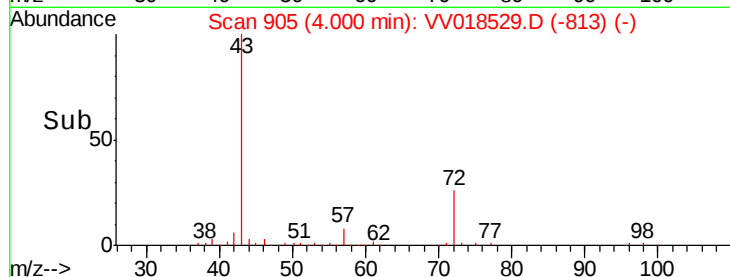
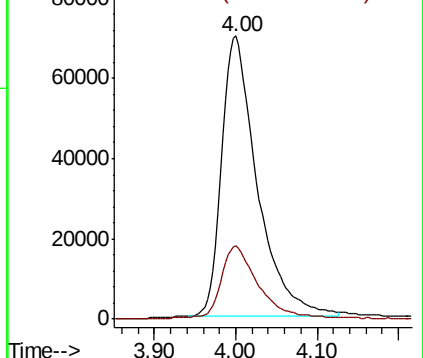
43 100

72 24.5 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018529.D (-813) (-)

Ion 72.00 (71.70 to 72.70): VV018529.D (-813) (-)



#23

Bromochloromethane

Concen: 47.561 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Tgt Ion:128 Resp: 86499

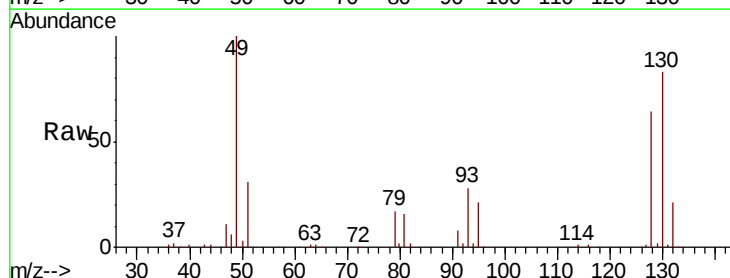
Ion Ratio Lower Upper

128 100

49 156.4 105.1 195.1

130 129.8 90.0 167.2

51 48.8 38.6 57.8

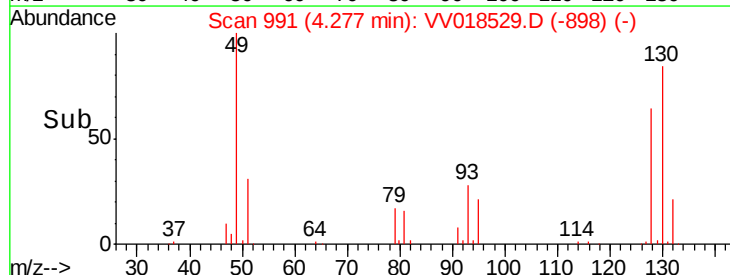
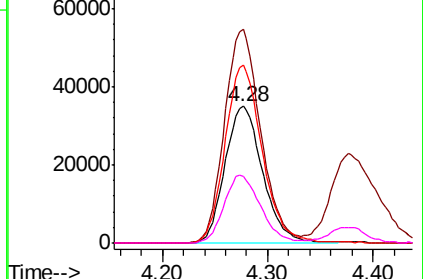


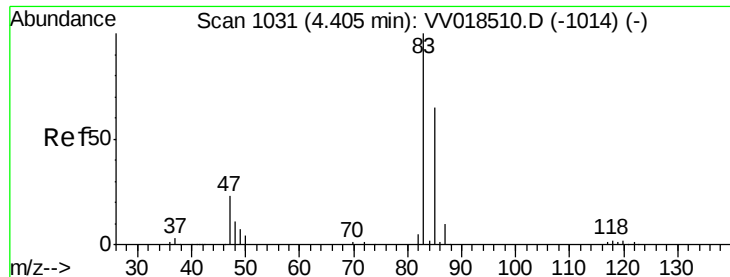
Abundance Ion 128.00 (127.70 to 128.70): VV018529.D (-898) (-)

Ion 49.00 (48.70 to 49.70): VV018529.D (-898) (-)

Ion 130.00 (129.70 to 130.70): VV018529.D (-898) (-)

Ion 51.00 (50.70 to 51.70): VV018529.D (-898) (-)

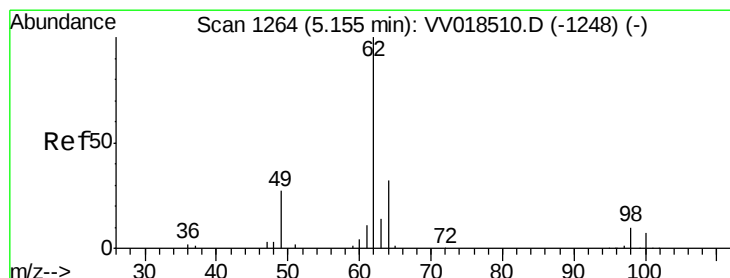
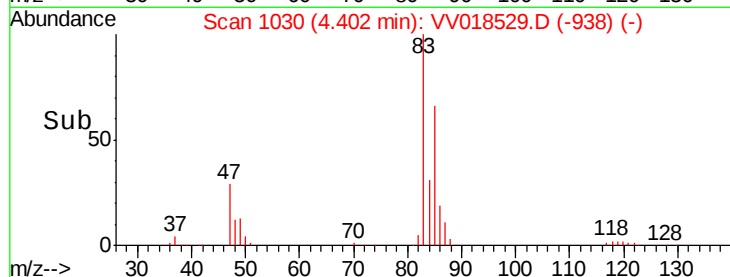
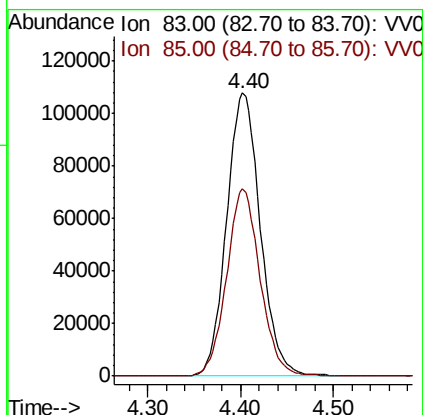
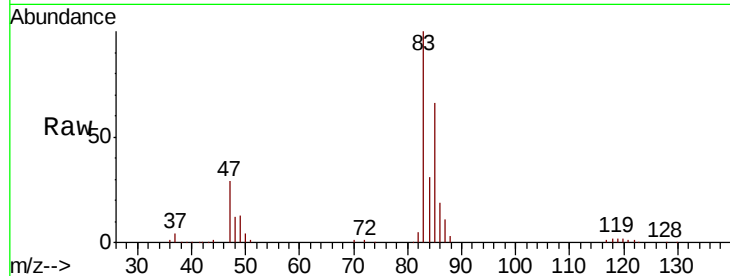




#25
Chloroform
Concen: 47.277 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

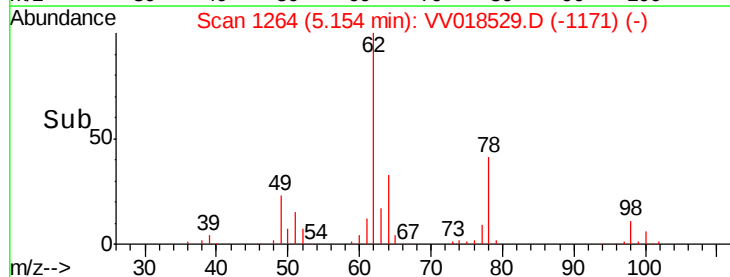
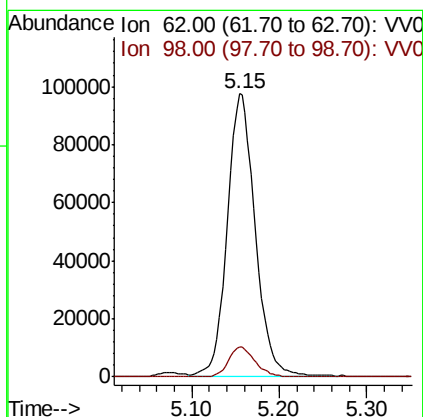
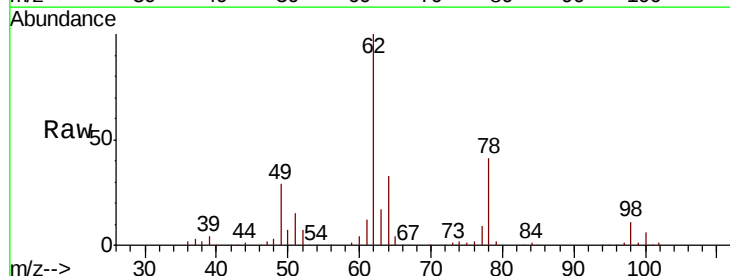
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

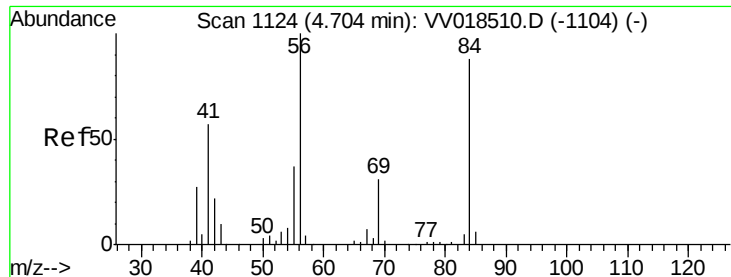
Tot Ion: 83 Resp: 272011
Ion Ratio Lower Upper
83 100
85 66.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 47.999 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion: 62 Resp: 215252
Ion Ratio Lower Upper
62 100
98 10.5 7.7 11.5

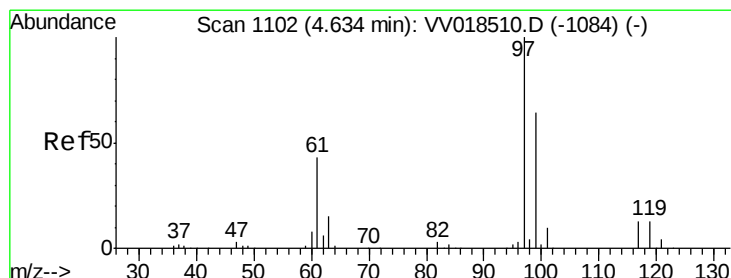
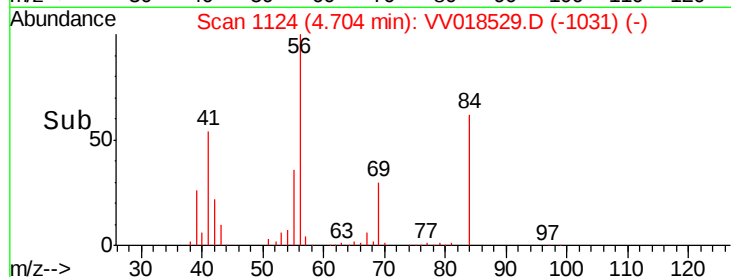
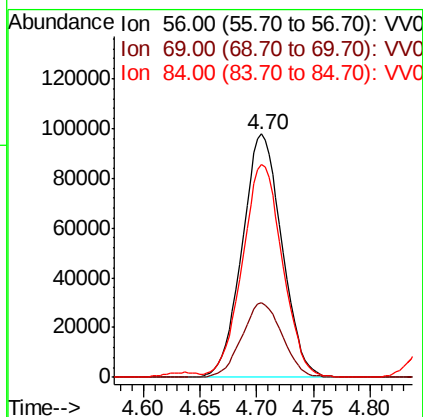
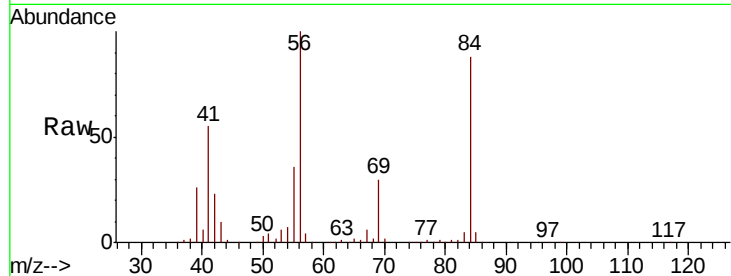




#29
Cyclohexane
Concen: 50.512 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

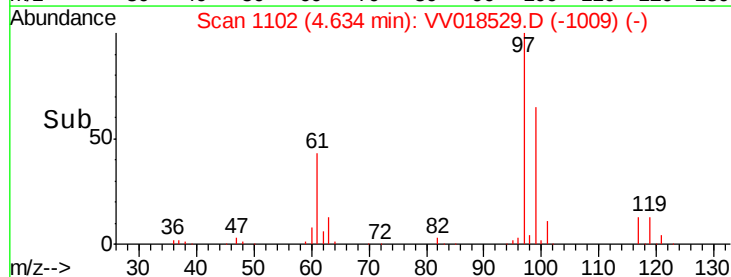
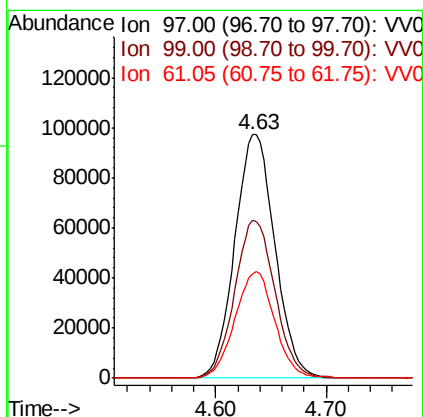
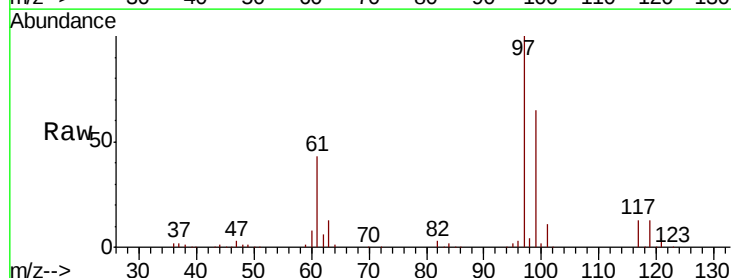
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

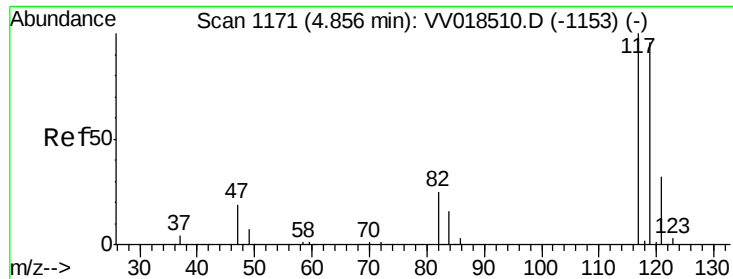
Tot Ion: 56 Resp: 239264
Ion Ratio Lower Upper
56 100
69 31.1 24.8 37.2
84 88.2 72.2 108.4



#30
1,1,1-Trichloroethane
Concen: 47.565 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion: 97 Resp: 245245
Ion Ratio Lower Upper
97 100
99 65.0 51.4 77.0
61 43.6 33.9 50.9





#31

Carbon tetrachloride

Concen: 47.155 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

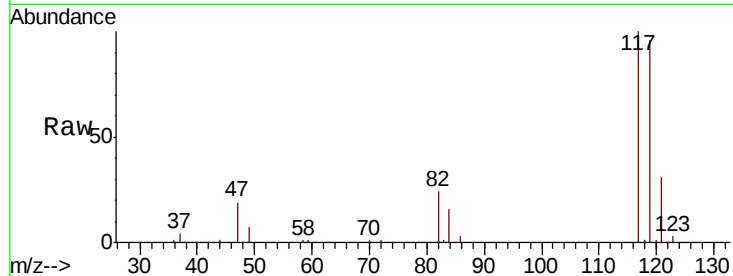
VSTD05092

Tot Ion:117 Resp: 218206

Ion Ratio Lower Upper

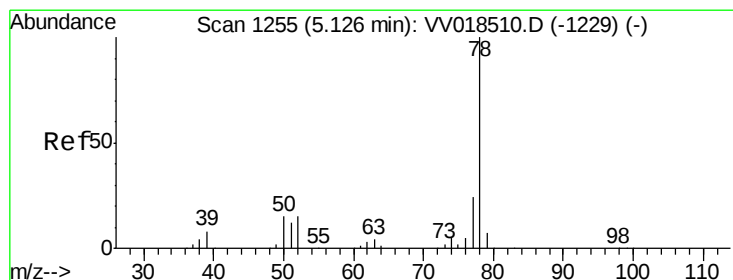
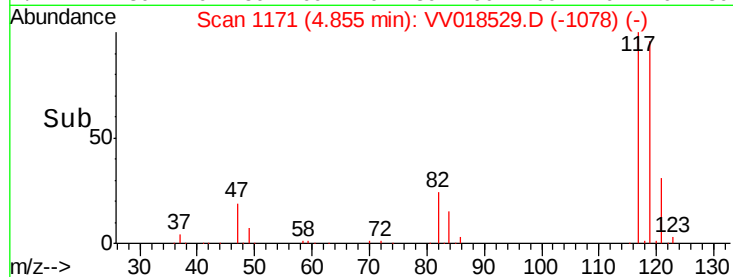
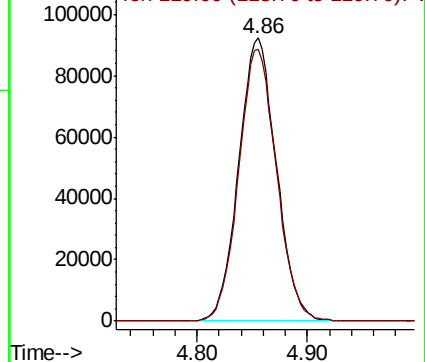
117 100

119 96.5 77.0 115.6



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.222 ug/L

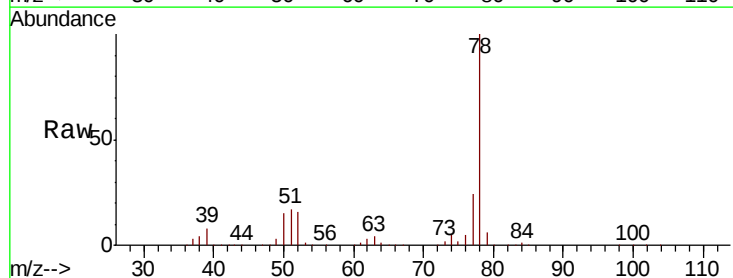
RT: 5.13 min Scan# 1255

Delta R.T. -0.00 min

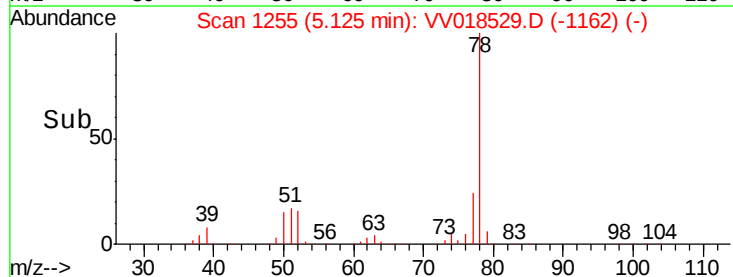
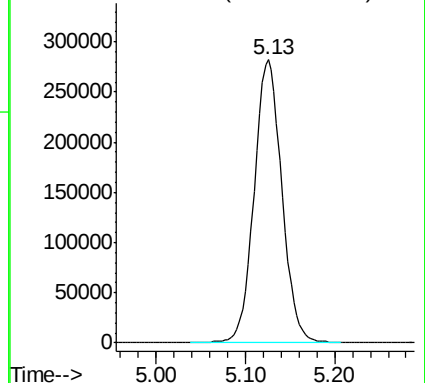
Lab File: VV018529.D

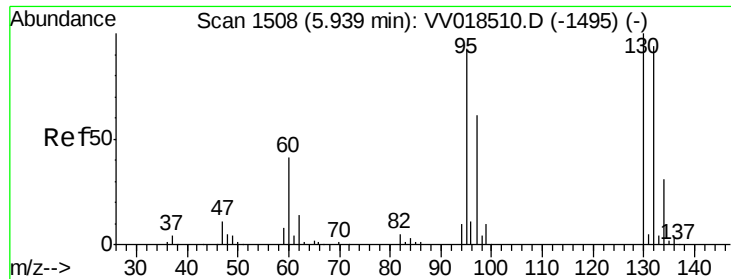
Acq: 29 Sep 2020 20:15

Tgt Ion: 78 Resp: 612778



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 48.129 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampled :

VSTD05092

Tot Ion: 95 Resp: 170488

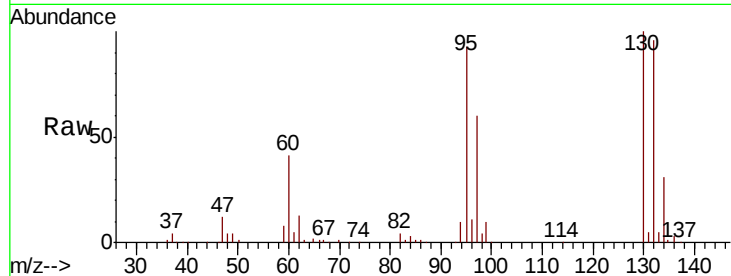
Ion Ratio Lower Upper

95 100

97 64.9 45.9 85.3

132 103.4 70.8 131.4

130 107.3 75.3 139.8

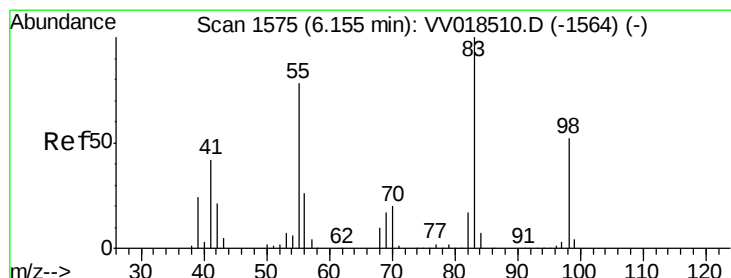
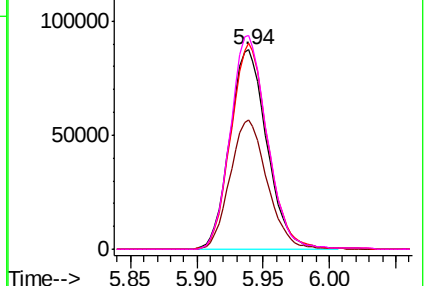
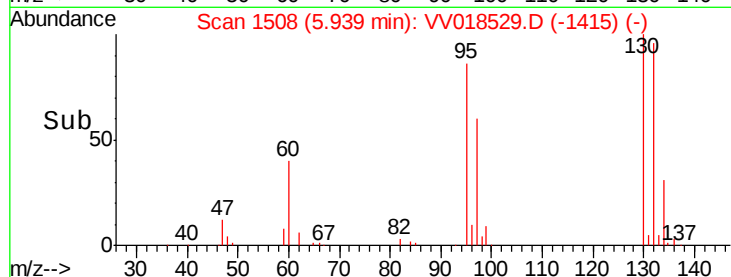


Abundance Ion 95.00 (94.70 to 95.70): VV018529.D (-1415) (-)

Ion 97.00 (96.70 to 97.70): VV018529.D (-1415) (-)

Ion 132.00 (131.70 to 132.70): VV018529.D (-1415) (-)

Ion 130.00 (129.70 to 130.70): VV018529.D (-1415) (-)



#35

Methylcyclohexane

Concen: 47.061 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

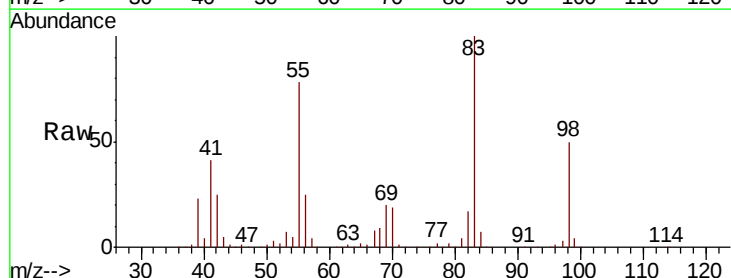
Tgt Ion: 83 Resp: 224884

Ion Ratio Lower Upper

83 100

55 76.0 60.1 90.1

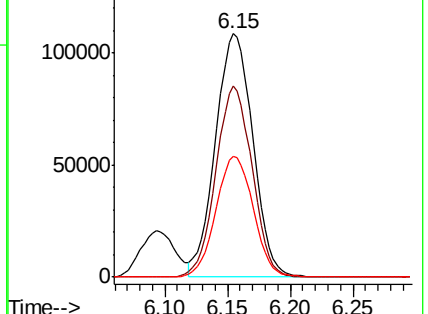
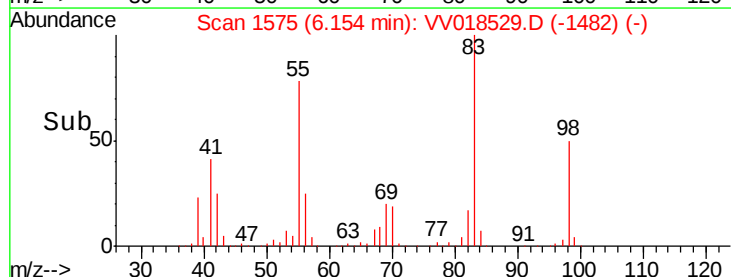
98 49.6 40.2 60.4

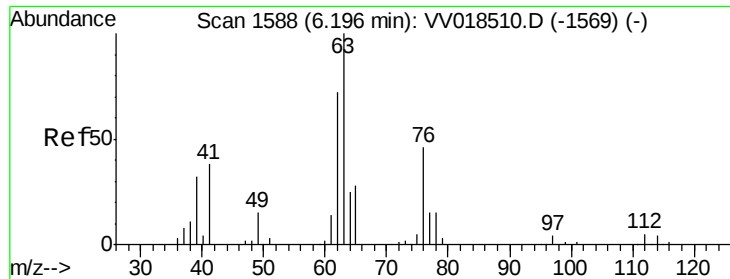


Abundance Ion 83.00 (82.70 to 83.70): VV018529.D (-1482) (-)

Ion 55.00 (54.70 to 55.70): VV018529.D (-1482) (-)

Ion 98.00 (97.70 to 98.70): VV018529.D (-1482) (-)

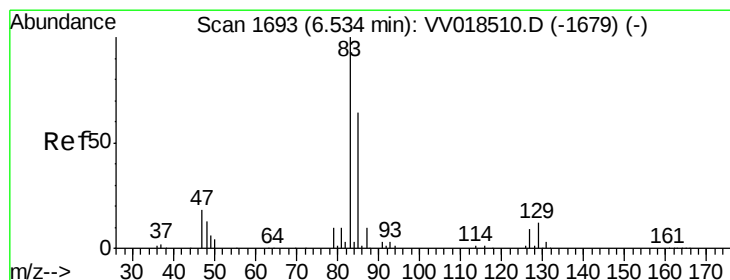
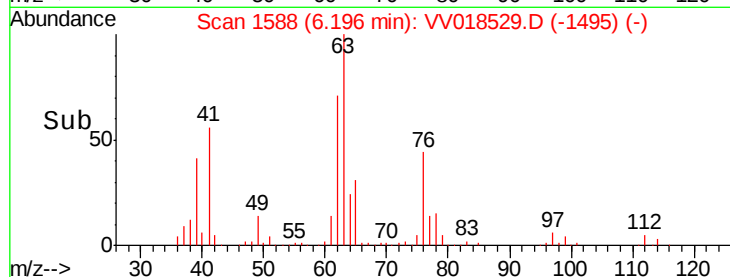
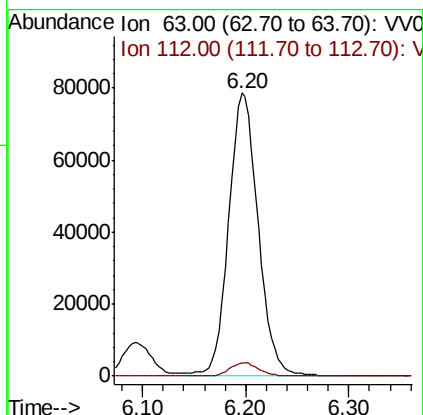
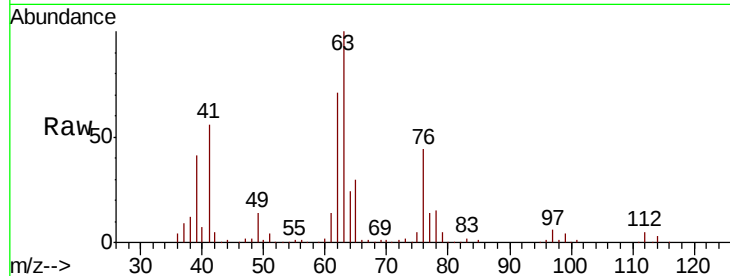




#37
 1,2-Dichloropropane
 Concen: 49.873 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

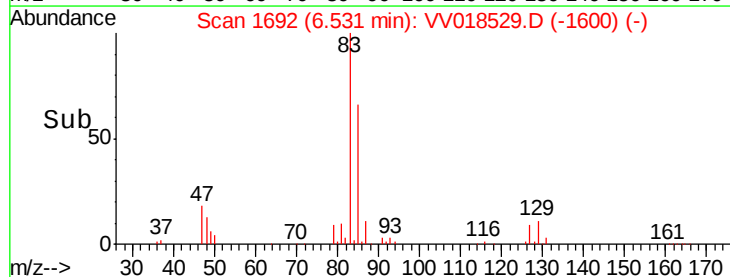
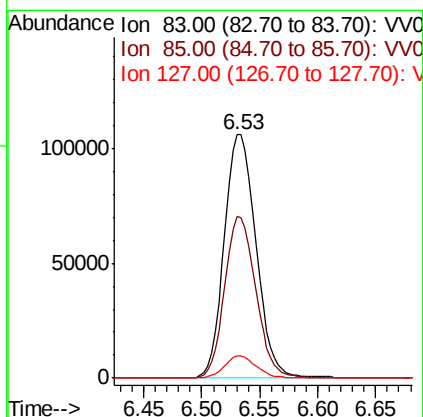
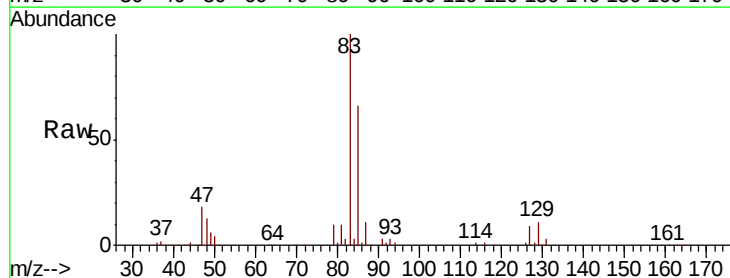
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

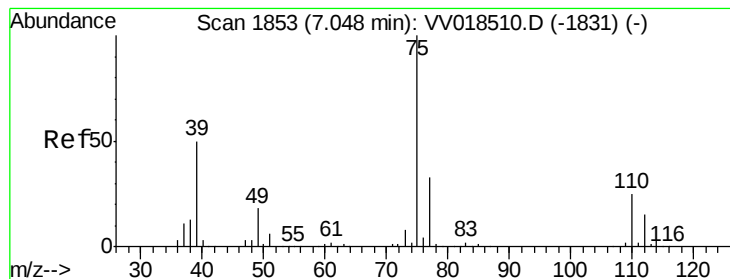
Tot Ion: 63 Resp: 156124
 Ion Ratio Lower Upper
 63 100
 112 4.7 3.9 5.9



#38
 Bromodichloromethane
 Concen: 48.120 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

Tgt Ion: 83 Resp: 201737
 Ion Ratio Lower Upper
 83 100
 85 66.4 44.5 82.7
 127 9.1 7.2 10.8



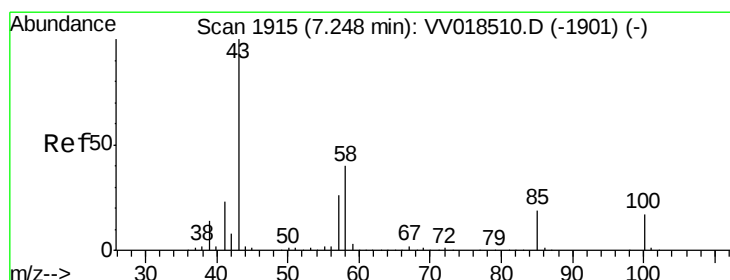
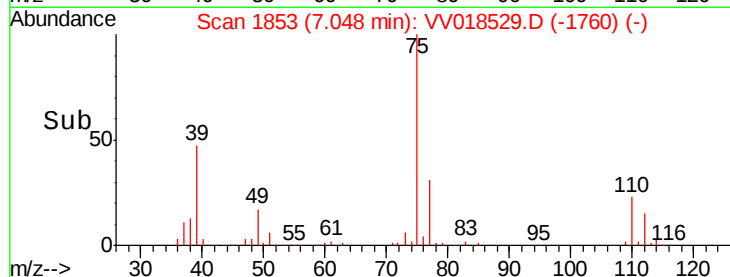
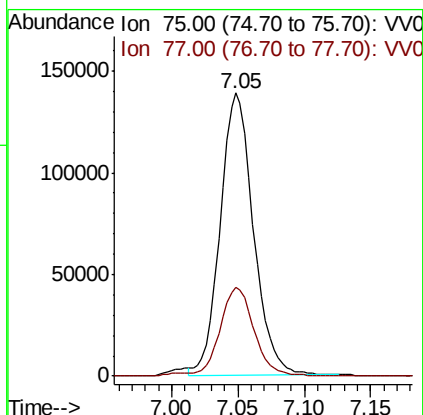
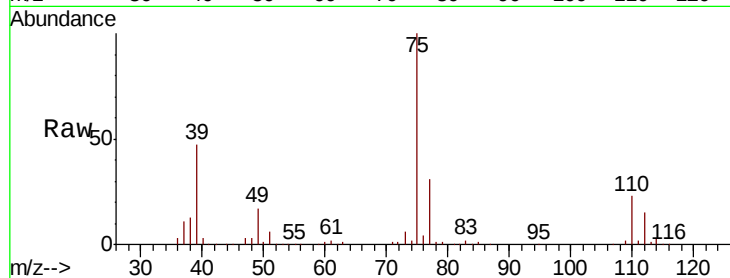


#39

cis-1,3-Dichloropropene
Concen: 49.278 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

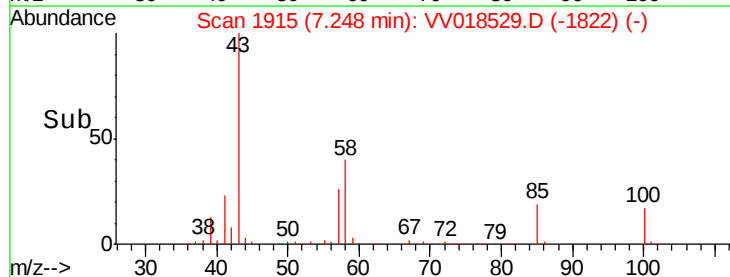
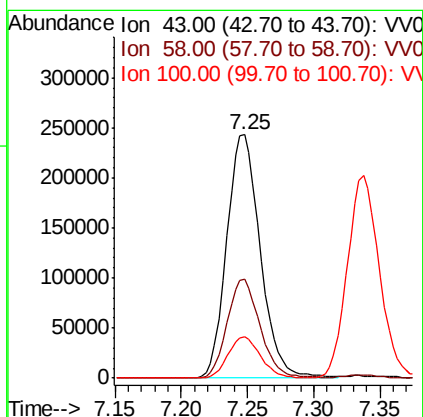
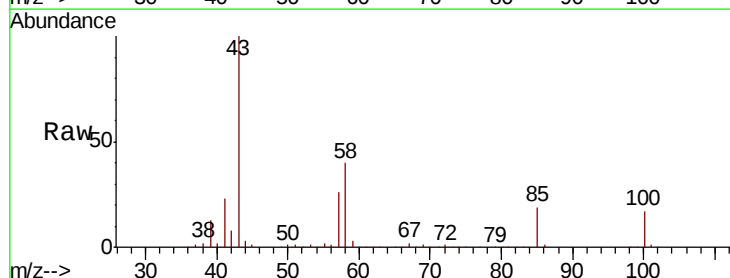
Tot Ion: 75 Resp: 242030
Ion Ratio Lower Upper
75 100
77 31.2 23.0 42.6

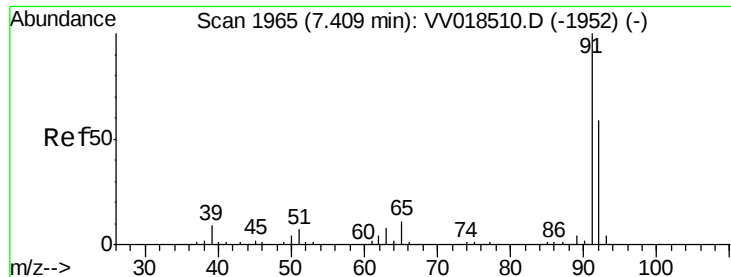


#40

4-Methyl-2-pentanone
Concen: 105.981 ug/L
RT: 7.25 min Scan# 1915
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion: 43 Resp: 428099
Ion Ratio Lower Upper
43 100
58 39.9 31.8 47.6
100 16.6 13.4 20.0





#42

Toluene

Concen: 49.768 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

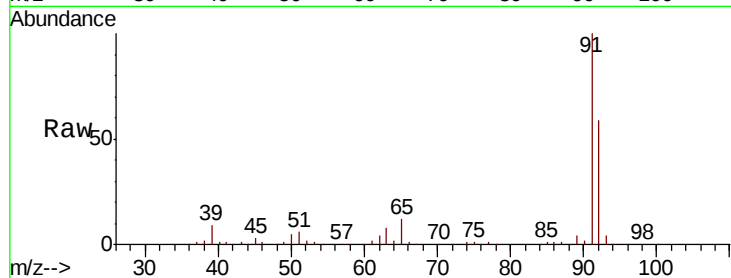
VSTD05092

Tot Ion: 91 Resp: 656912

Ion Ratio Lower Upper

91 100

92 59.0 41.6 77.3



Abundance Ion 91.00 (90.70 to 91.70): VV018510.D (-1952) (-)

Ion 92.00 (91.70 to 92.70): VV018529.D (-1872) (-)

7.41

400000

300000

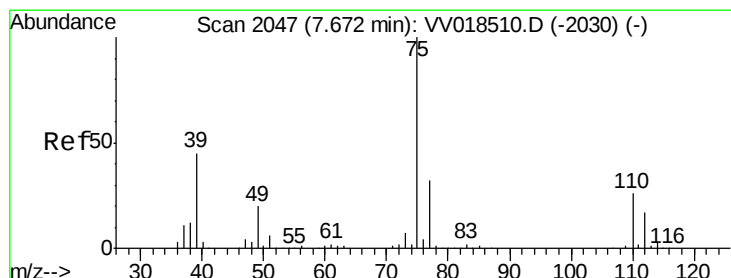
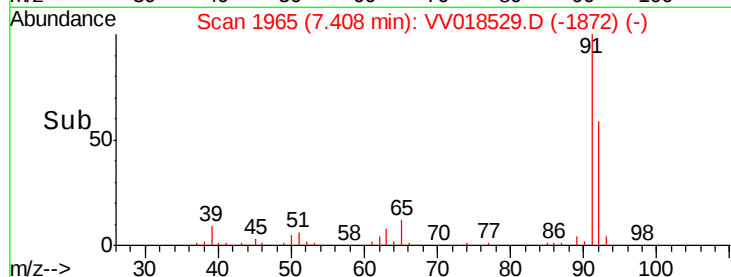
200000

100000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.280 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV018529.D

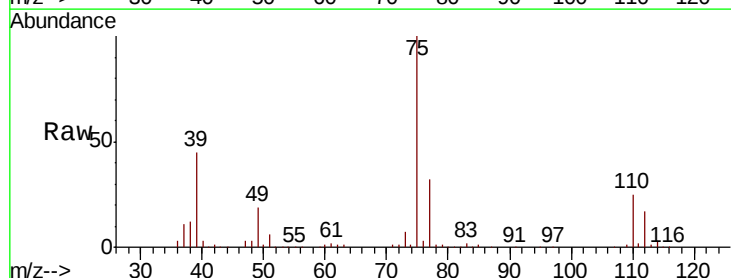
Acq: 29 Sep 2020 20:15

Tgt Ion: 75 Resp: 242584

Ion Ratio Lower Upper

75 100

77 32.0 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV018510.D (-2030) (-)

Ion 77.00 (76.70 to 77.70): VV018529.D (-1954) (-)

7.67

150000

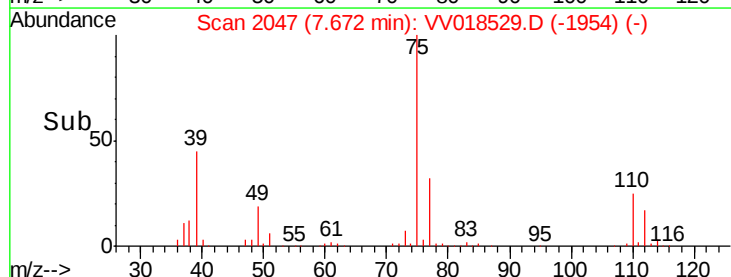
100000

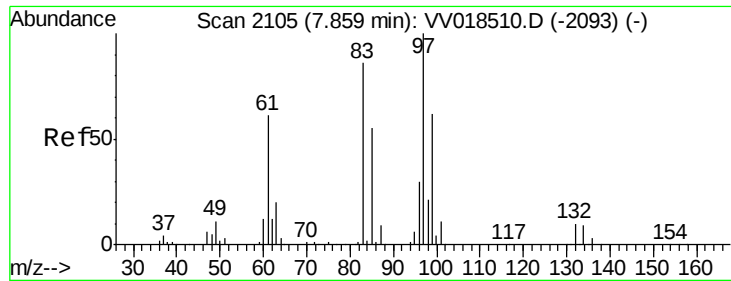
50000

0

7.60 7.70 7.80

Time-->

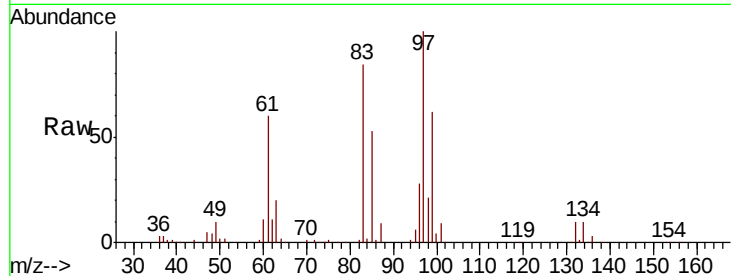




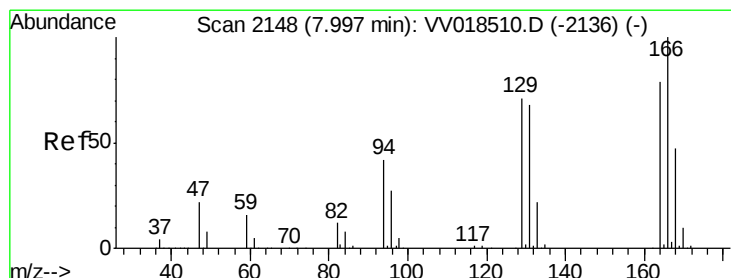
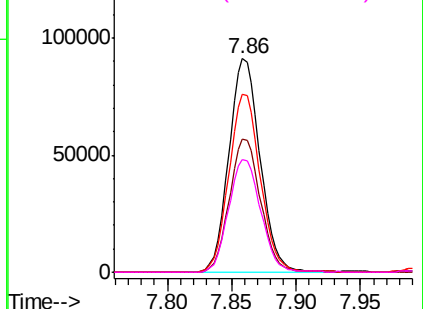
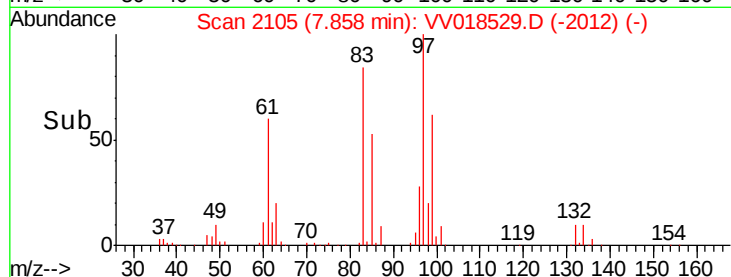
#45
1,1,2-Trichloroethane
Concen: 49.409 ug/L
RT: 7.86 min Scan# 2105
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Instrument :
MSVOA_V
ClientSampled :
VSTD05092

Tot Ion:	97	Resp:	153114
Ion	Ratio	Lower	Upper
97	100		
99	62.2	43.3	80.3
83	83.5	60.5	112.5
85	52.6	38.3	71.1

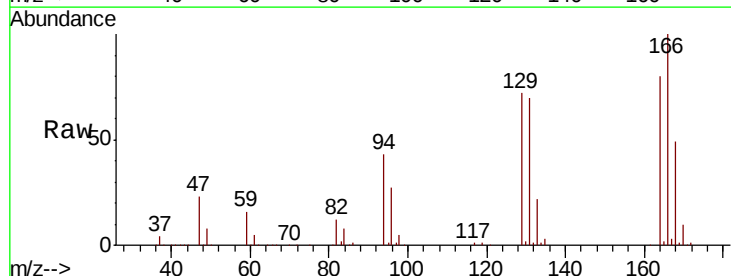


Abundance Ion 97.00 (96.70 to 97.70): VV018529.D (-2012) (-)

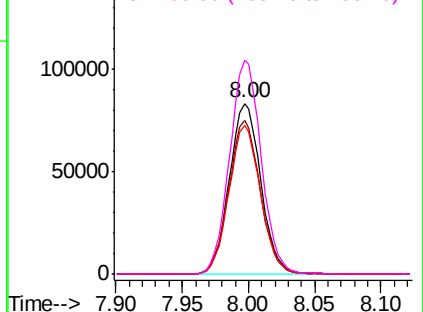
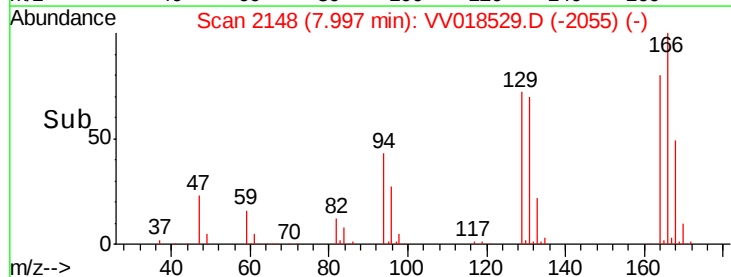


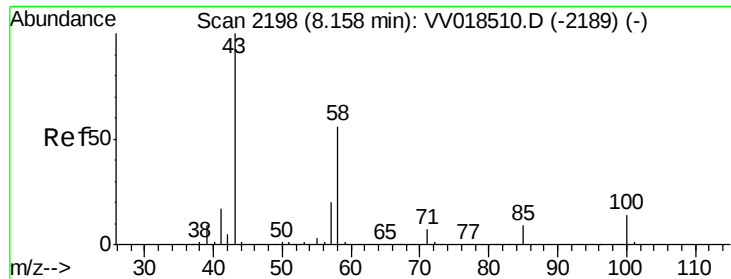
#46
Tetrachloroethene
Concen: 47.664 ug/L
RT: 8.00 min Scan# 2148
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion:	164	Resp:	136975
Ion	Ratio	Lower	Upper
164	100		
129	90.2	62.8	116.6
131	87.4	60.8	112.8
166	125.5	88.9	165.1



Abundance Ion 164.00 (163.70 to 164.70): VV018529.D (-2055) (-)

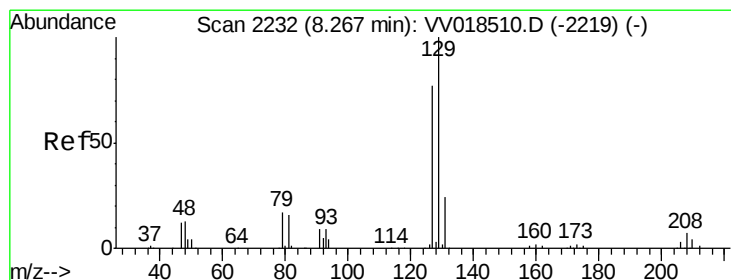
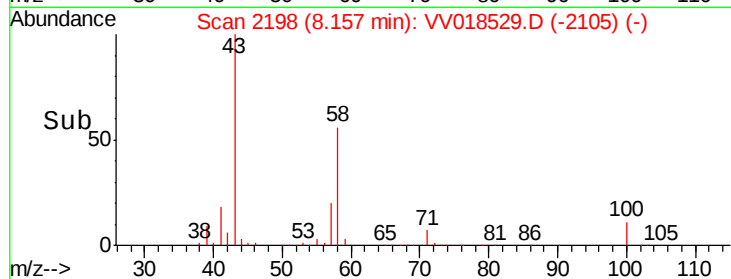
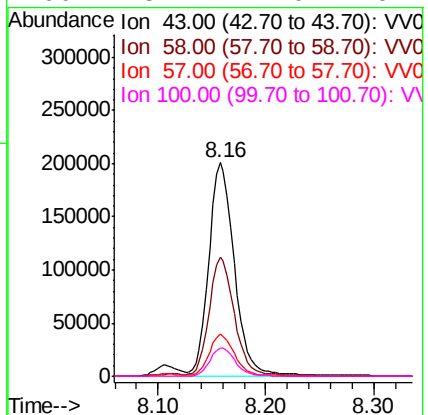
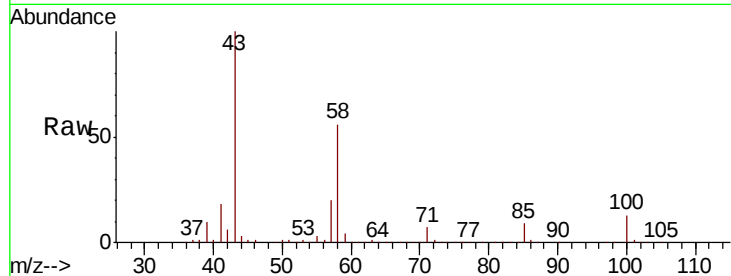




#48
2-Hexanone
Concen: 104.510 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

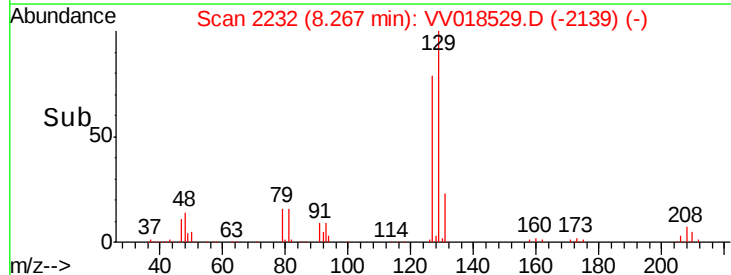
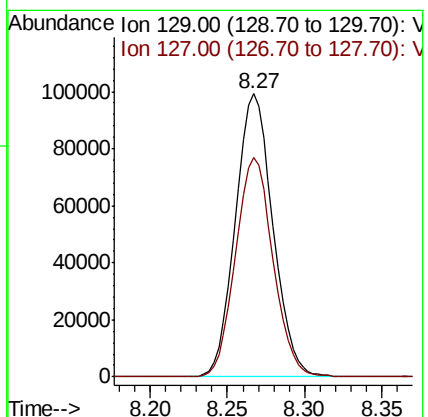
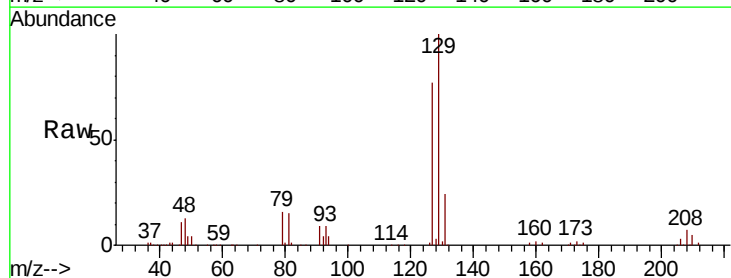
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

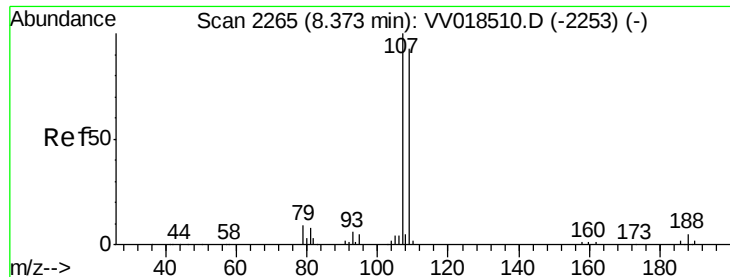
Tot Ion: 43 Resp: 329382
Ion Ratio Lower Upper
43 100
58 53.1 45.1 67.7
57 19.2 15.7 23.5
100 13.4 11.0 16.4



#49
Dibromochloromethane
Concen: 47.174 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion: 129 Resp: 167206
Ion Ratio Lower Upper
129 100
127 77.5 54.1 100.5

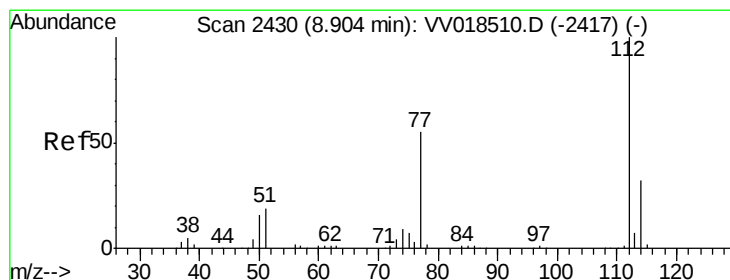
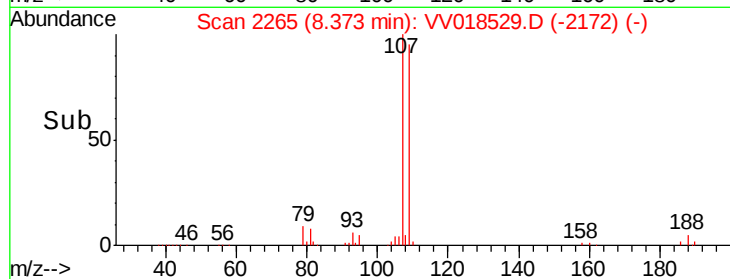
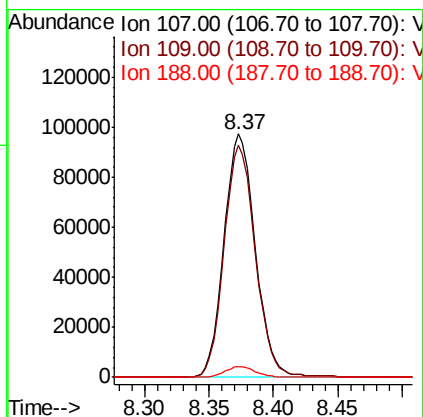
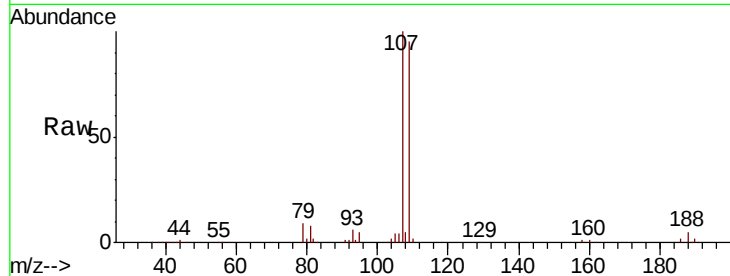




#50
 1,2-Dibromoethane
 Concen: 49.795 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

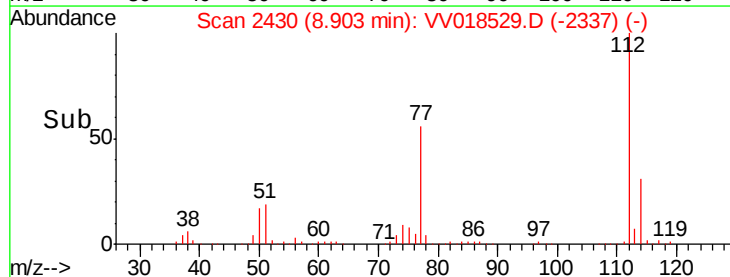
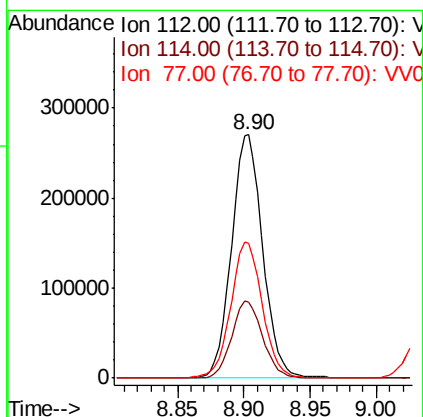
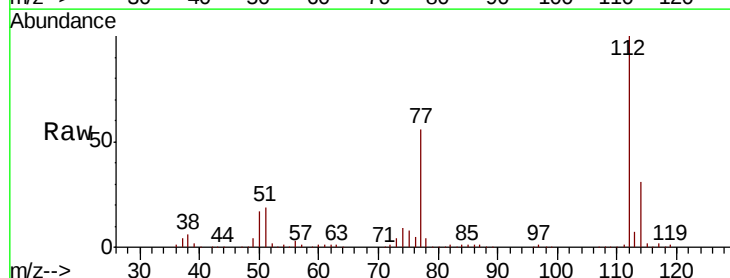
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

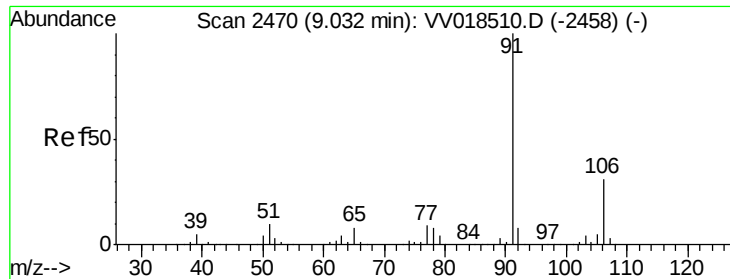
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.1	65.1	120.9
188	4.5	3.7	5.5



#51
 Chlorobenzene
 Concen: 49.410 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.3	22.4	41.6
77	55.6	44.8	67.2





#52

Ethylbenzene

Concen: 49.684 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

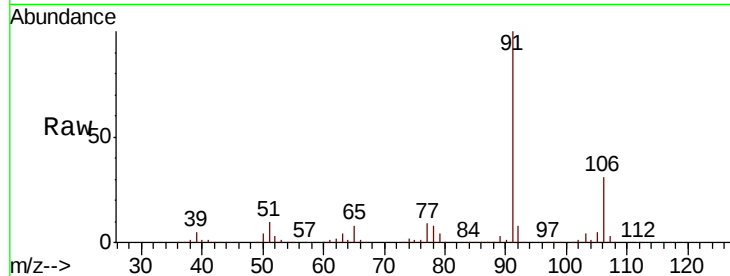
VSTD05092

Tot Ion: 91 Resp: 732383

Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018510.D (-2458) (-)

Ion 106.00 (105.70 to 106.70): VV018510.D (-2458) (-)

9.03

500000

400000

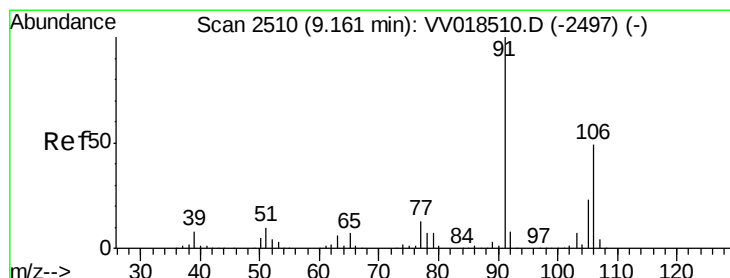
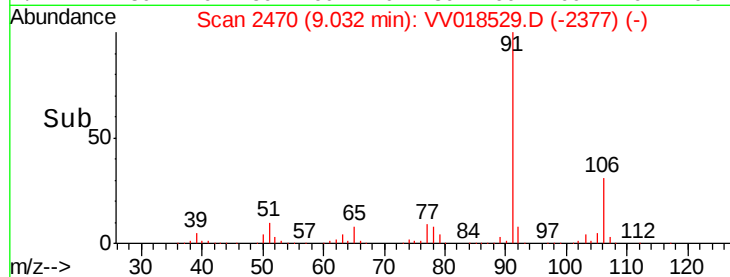
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 49.239 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018529.D

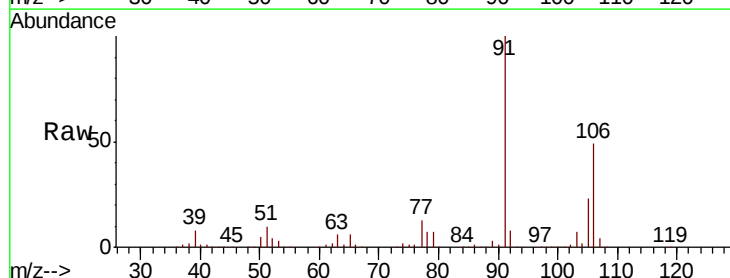
Acq: 29 Sep 2020 20:15

Tgt Ion: 106 Resp: 280501

Ion Ratio Lower Upper

106 100

91 204.0 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018510.D (-2497) (-)

Ion 91.00 (90.70 to 91.70): VV018510.D (-2497) (-)

9.16

400000

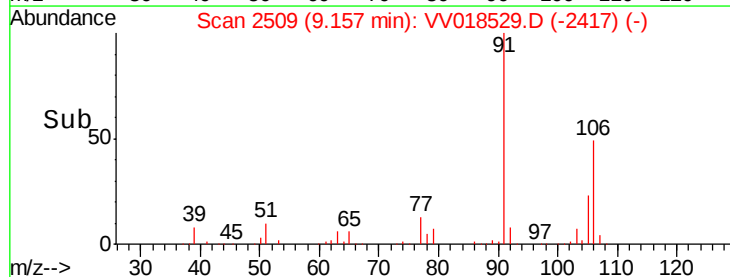
300000

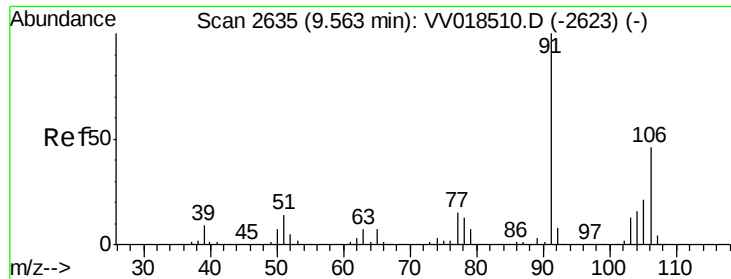
200000

100000

0

Time-->

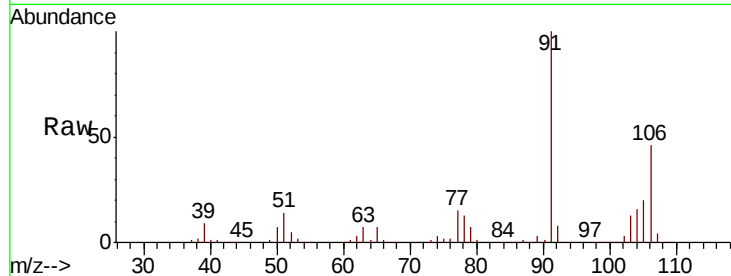




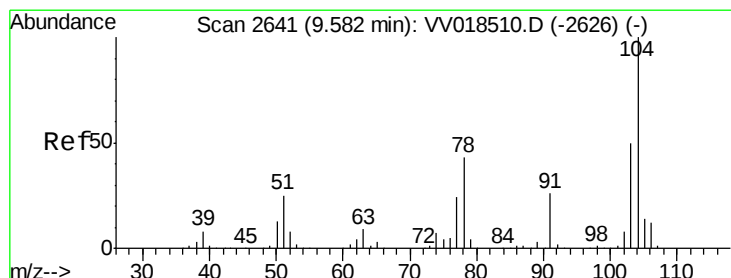
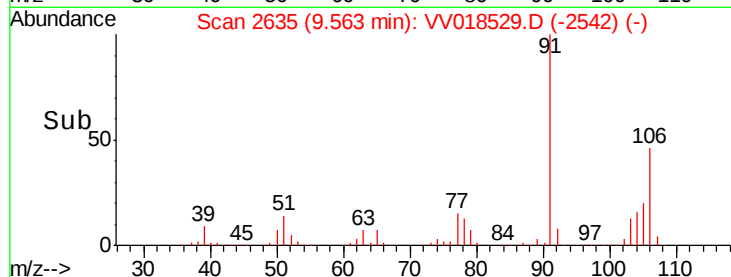
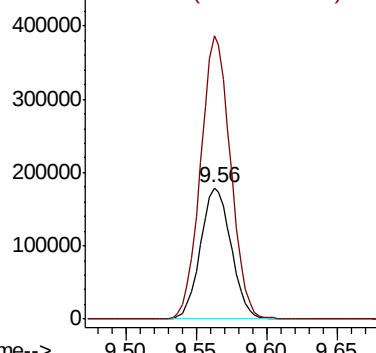
#54
o-xylene
Concen: 50.539 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tot Ion:106 Resp: 272582
Ion Ratio Lower Upper
106 100
91 216.0 151.0 280.4

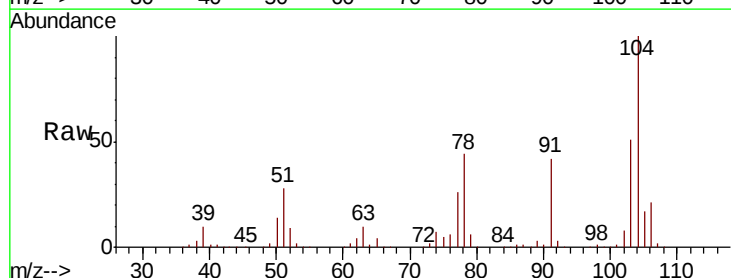


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

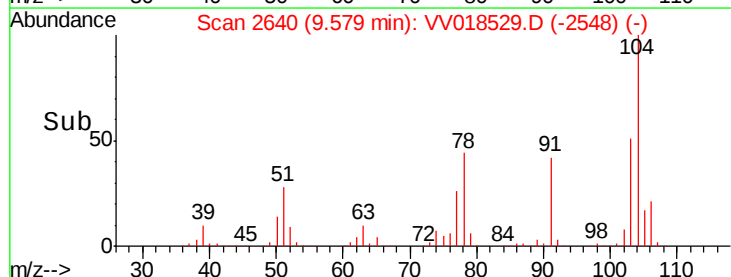
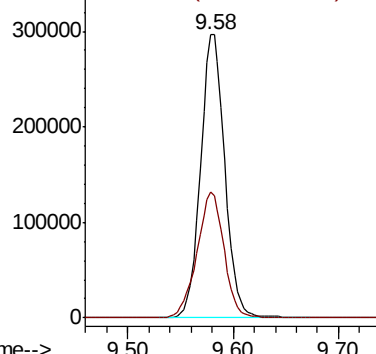


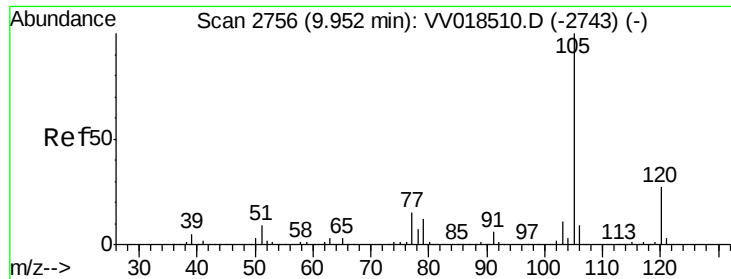
#55
Styrene
Concen: 50.092 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. -0.00 min
Lab File: VV018529.D
Acq: 29 Sep 2020 20:15

Tgt Ion:104 Resp: 470425
Ion Ratio Lower Upper
104 100
78 44.4 30.2 56.2



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





#56

Isopropylbenzene

Concen: 49.456 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

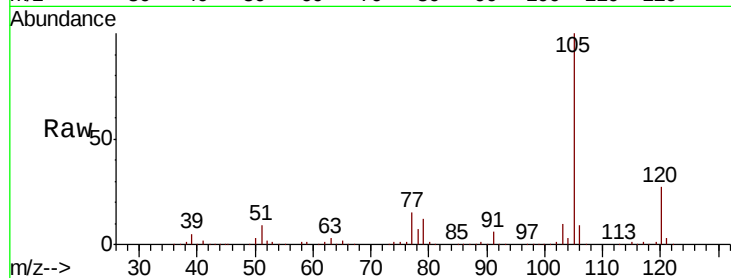
Tot Ion:105 Resp: 715361

Ion Ratio Lower Upper

105 100

120 26.5 21.5 32.3

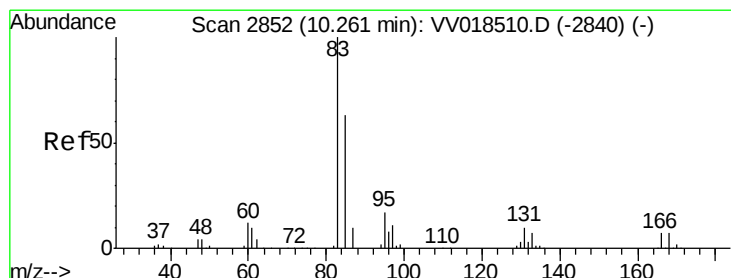
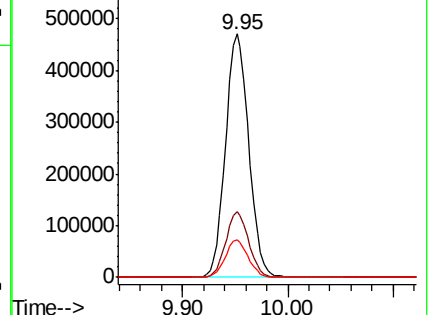
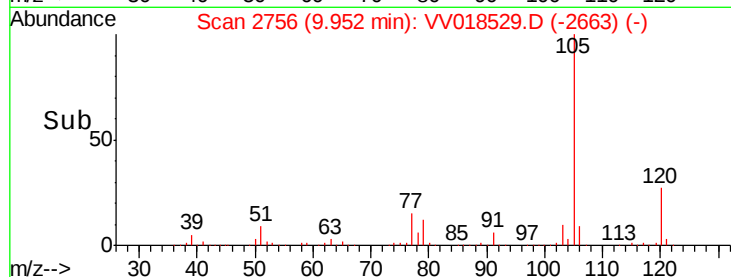
77 15.2 12.2 18.2



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: 49.640 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

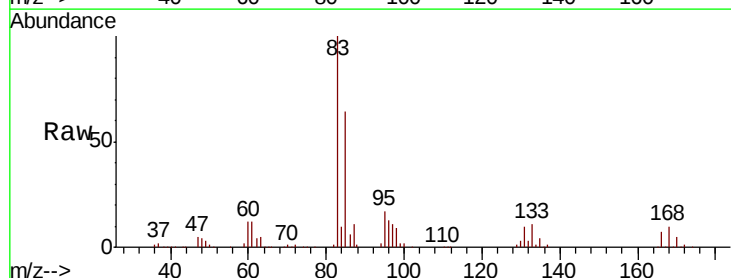
Tgt Ion: 83 Resp: 216831

Ion Ratio Lower Upper

83 100

85 64.1 44.5 82.7

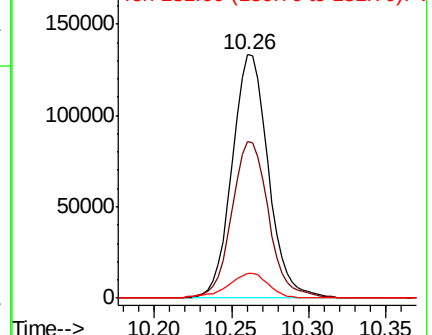
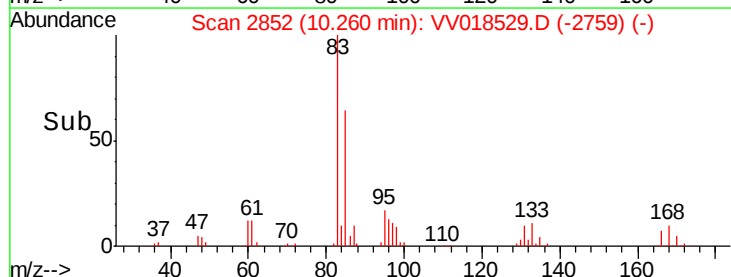
131 10.2 8.6 12.8

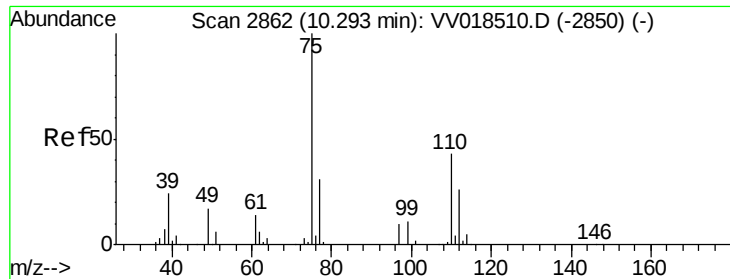


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.105 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

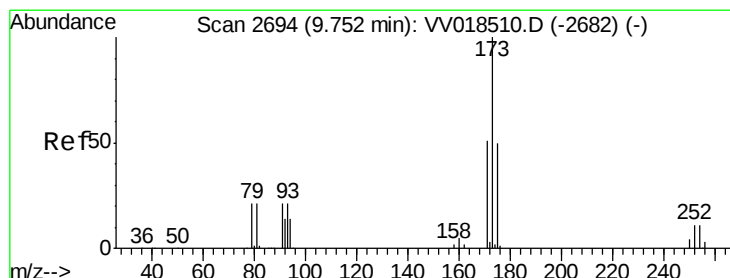
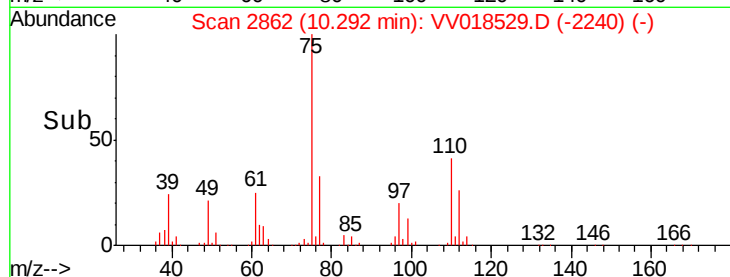
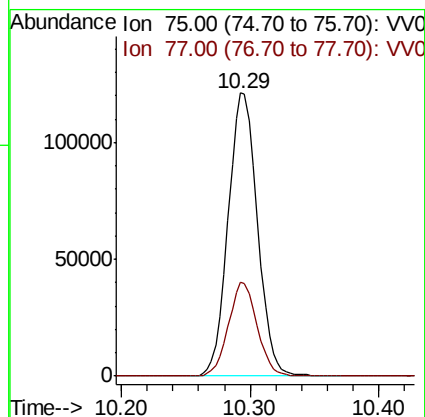
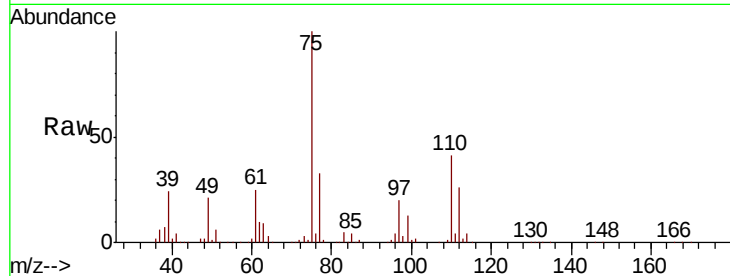
VSTD05092

Tot Ion: 75 Resp: 190786

Ion Ratio Lower Upper

75 100

77 32.4 25.4 38.0



#61

Bromoform

Concen: 48.742 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

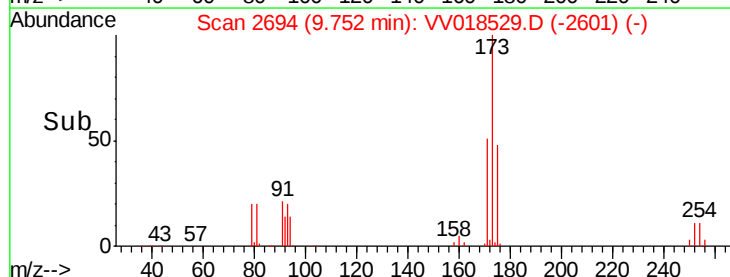
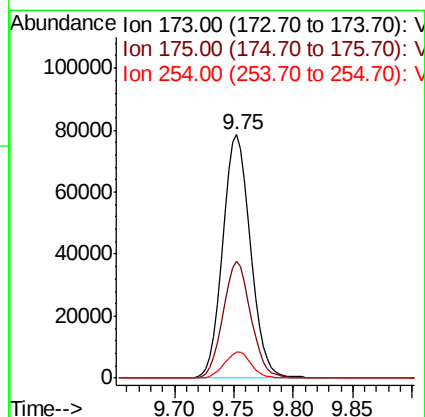
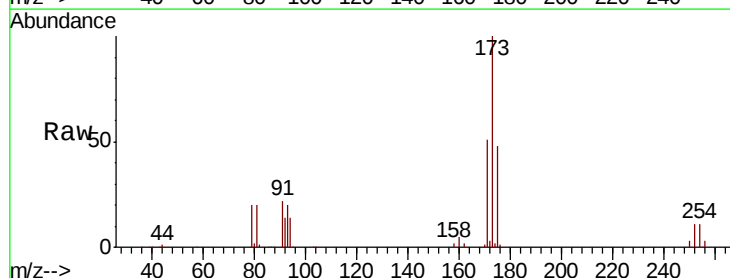
Tgt Ion: 173 Resp: 127458

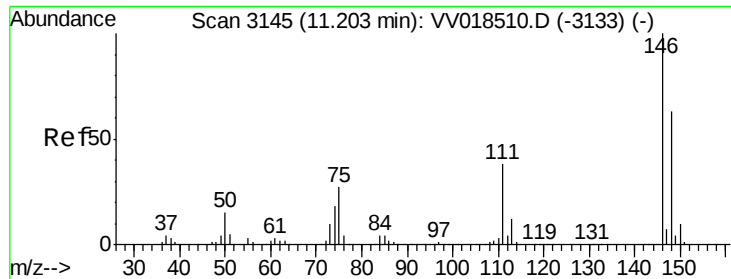
Ion Ratio Lower Upper

173 100

175 47.8 39.8 59.8

254 10.5 8.5 12.7





#62

1,3-Dichlorobenzene

Concen: 47.789 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

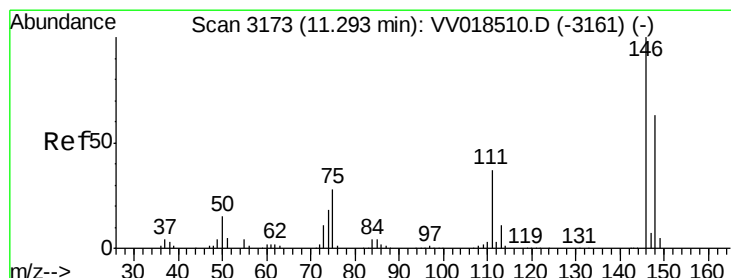
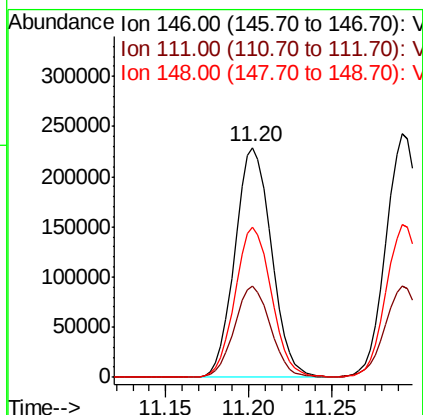
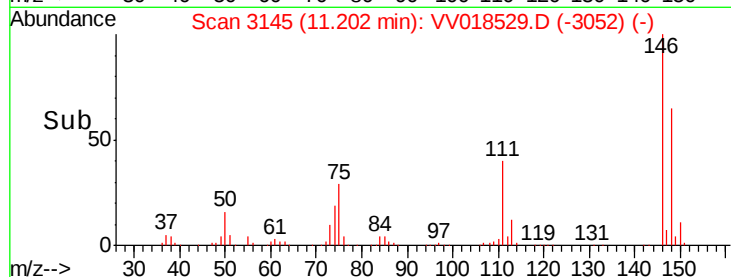
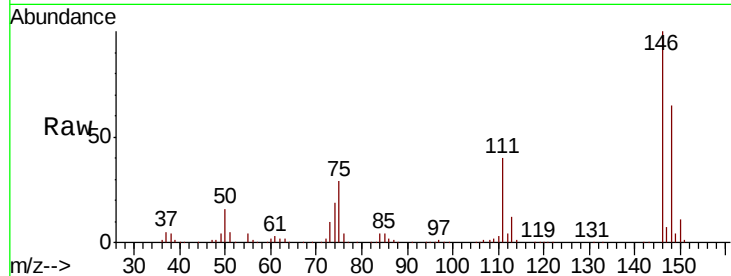
Tot Ion:146 Resp: 352085

Ion Ratio Lower Upper

146 100

111 39.5 26.8 49.8

148 65.5 44.0 81.8



#63

1,4-Dichlorobenzene

Concen: 48.372 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

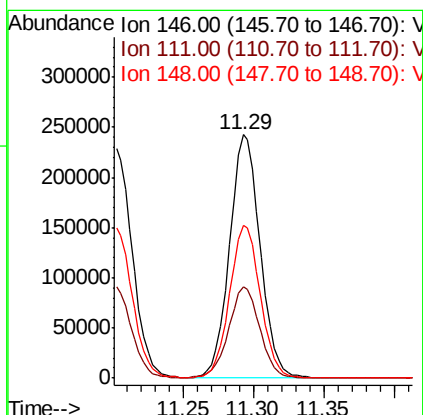
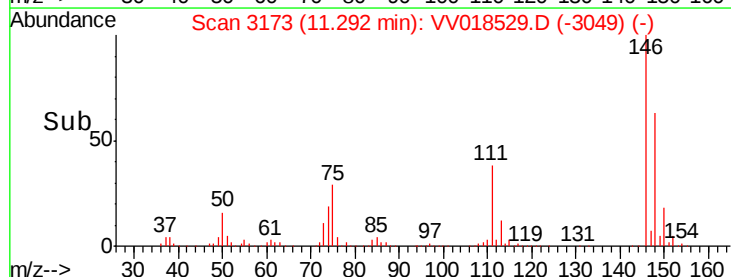
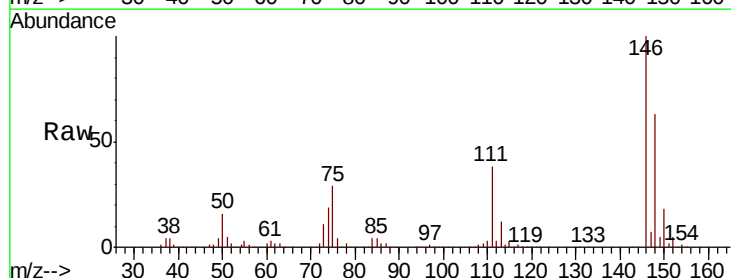
Tgt Ion:146 Resp: 366980

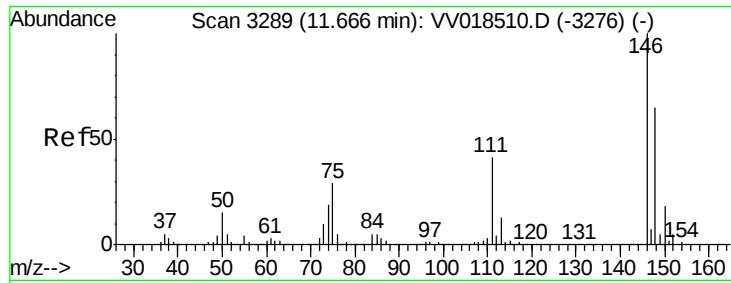
Ion Ratio Lower Upper

146 100

111 37.6 26.2 48.6

148 62.7 44.4 82.5





#65

1,2-Dichlorobenzene

Concen: 48.657 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

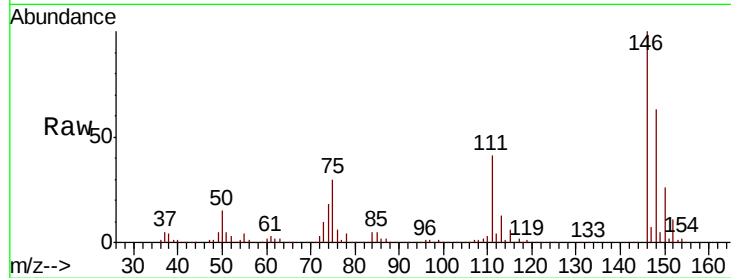
Tot Ion:146 Resp: 354639

Ion Ratio Lower Upper

146 100

111 40.7 32.8 49.2

148 62.8 51.9 77.9

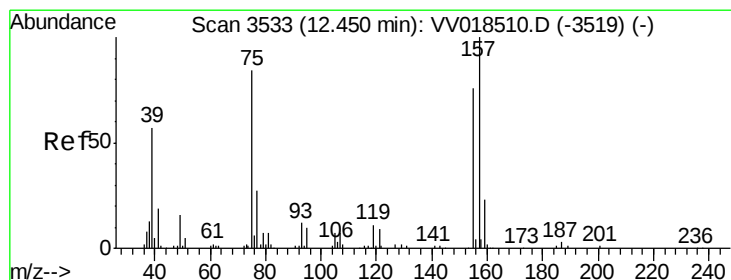
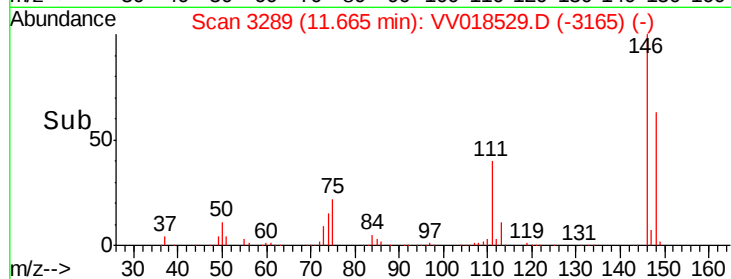
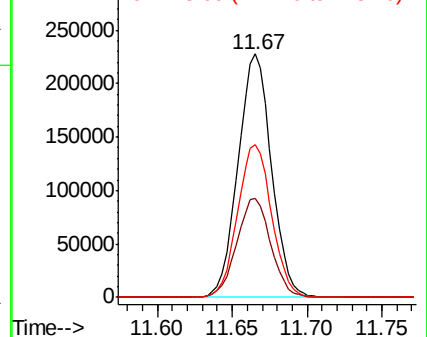


Abundance

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: 51.084 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

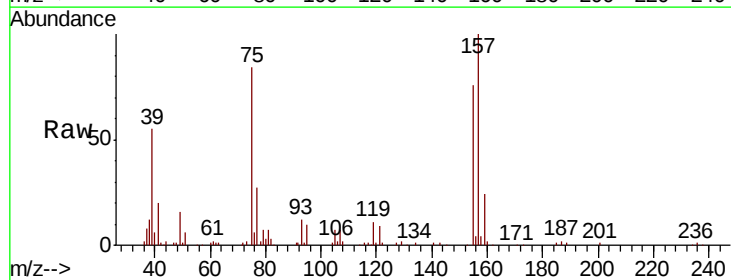
Tgt Ion: 75 Resp: 50828

Ion Ratio Lower Upper

75 100

155 90.1 73.0 109.6

157 118.8 95.8 143.6

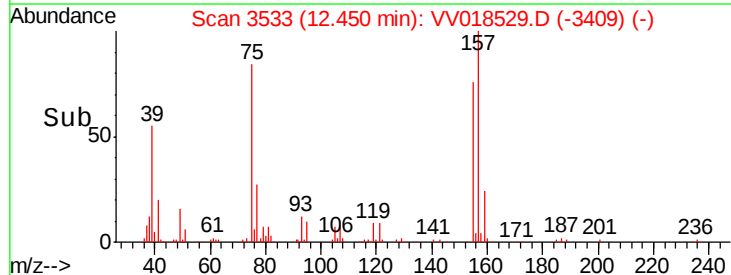
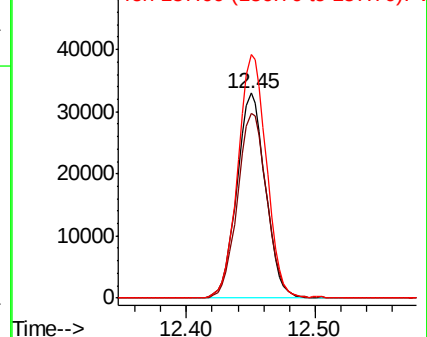


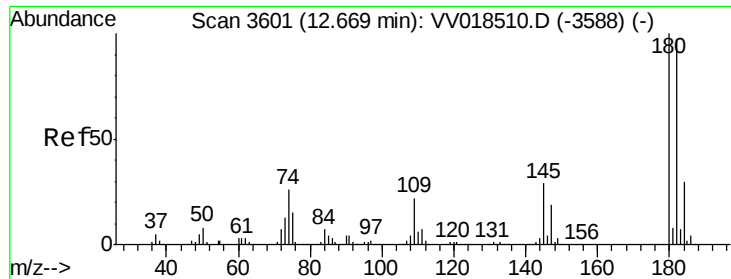
Abundance

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

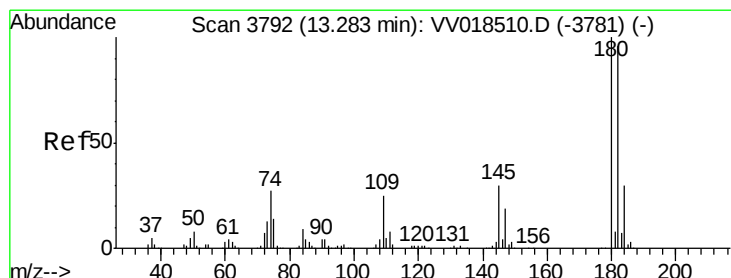
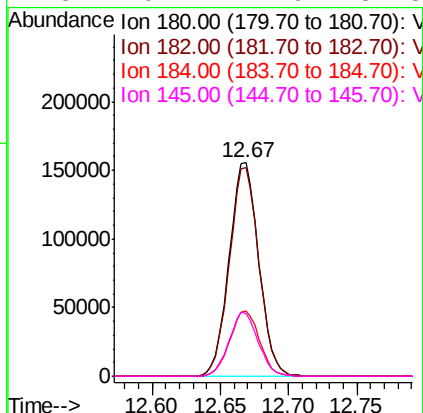
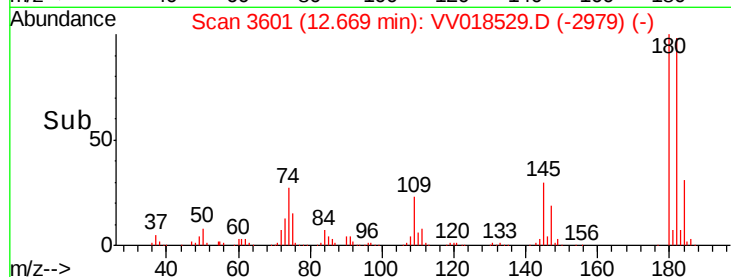
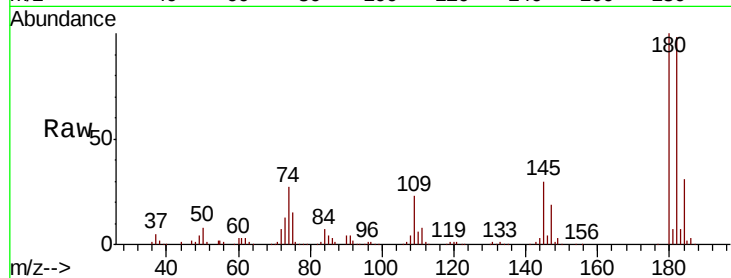




#67
 1,3,5-Trichlorobenzene
 Concen: 46.076 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

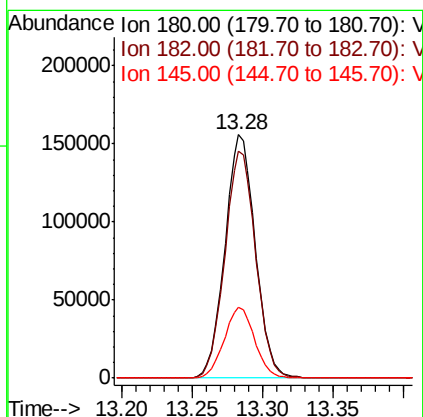
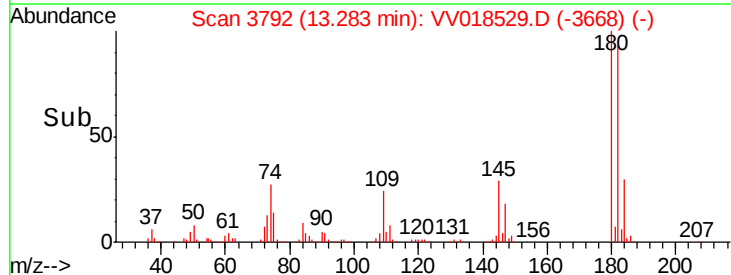
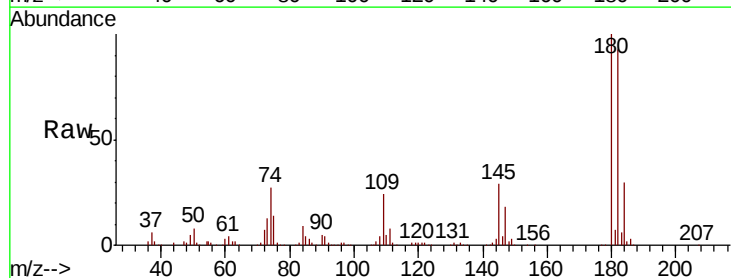
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

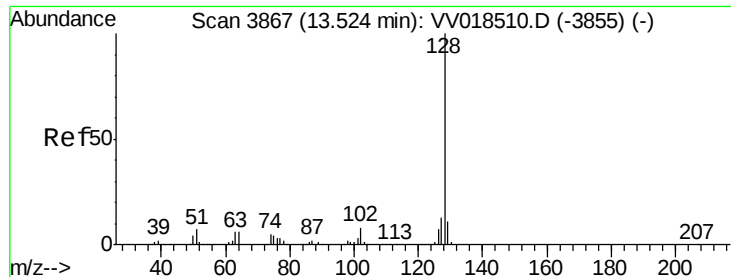
Tot Ion	Ratio	Lower	Upper
180	100		
182	97.0	77.1	115.7
184	30.6	24.3	36.5
145	29.4	22.9	34.3



#68
 1,2,4-trichlorobenzene
 Concen: 49.306 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018529.D
 Acq: 29 Sep 2020 20:15

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.8	76.3	114.5
145	29.2	23.6	35.4





#69

Naphthalene

Concen: 54.090 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

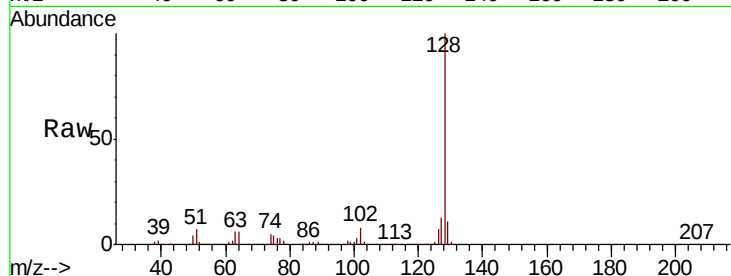
Tot Ion:128 Resp: 735296

Ion Ratio Lower Upper

128 100

127 13.1 10.3 15.5

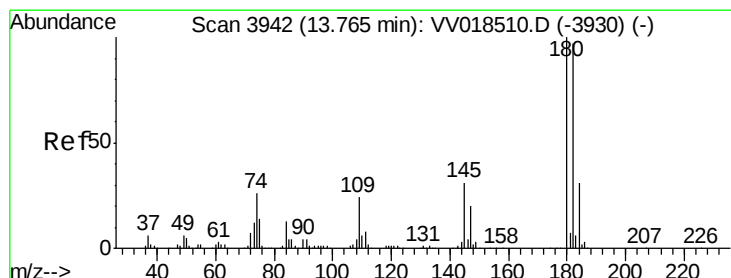
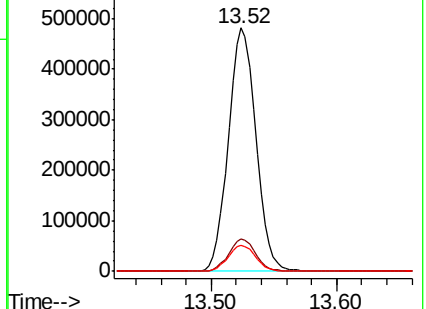
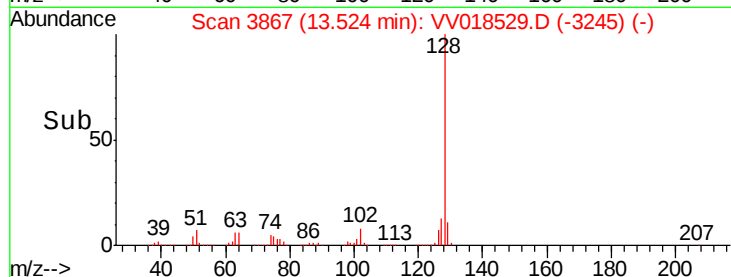
129 10.7 8.6 12.8



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: 48.161 ug/L

RT: 13.76 min Scan# 3942

Delta R.T. -0.00 min

Lab File: VV018529.D

Acq: 29 Sep 2020 20:15

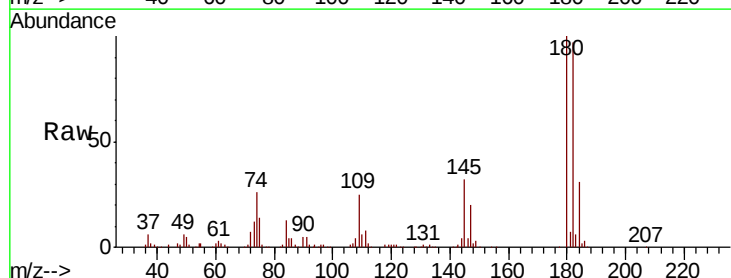
Tgt Ion:180 Resp: 229595

Ion Ratio Lower Upper

180 100

182 96.8 77.1 115.7

145 31.6 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

