

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV062920\
 Data File : VV017226.D
 Acq On : 29 Jun 2020 09:17
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Jun 30 07:37:23 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM060820WMA.M
 Quant Title : VOC Analysis
 QLast Update : Mon Jun 29 00:10:58 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	372118	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	352270	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	191940	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	97647	37.19	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	74.38%
7) Chloroethane-d5	1.58	69	68726	43.62	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	87.24%
11) 1,1-Dichloroethene-d2	2.12	63	214533	48.66	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	97.32%
21) 2-Butanone-d5	3.90	46	168762	86.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	86.84%
24) Chloroform-d	4.37	84	251235	47.06	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.12%
26) 1,2-Dichloroethane-d4	5.05	65	172609	47.53	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	95.06%
32) Benzene-d6	5.07	84	449336	44.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	88.50%
36) 1,2-Dichloropropane-d6	6.09	67	134519	42.50	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	85.00%
41) Toluene-d8	7.33	98	423291	45.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	90.86%
43) trans-1,3-Dichloropropene-	7.64	79	76602	46.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	92.94%
47) 2-Hexanone-d5	8.11	63	116276	84.26	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	84.26%
57) 1,1,2,2-Tetrachloroethane-	10.24	84	185373	44.24	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	88.48%
64) 1,2-Dichlorobenzene-d4	11.65	152	181487	44.31	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.62%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.14	85	192137	65.127	ug/L 99
3) Chloromethane	1.25	50	136790	50.701	ug/L 99
5) Vinyl chloride	1.32	62	134118	50.551	ug/L 98
6) Bromomethane	1.53	94	66163	59.876	ug/L 96
8) Chloroethane	1.60	64	62162	47.432	ug/L 99
9) Trichlorofluoromethane	1.76	101	230708	58.108	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	109906	55.552	ug/L 98
12) 1,1-Dichloroethene	2.13	96	99343	53.789	ug/L 99
13) Acetone	2.19	43	165068	128.913	ug/L 97
14) Carbon disulfide	2.31	76	338596	50.635	ug/L 99
15) Methyl Acetate	2.44	43	118615	41.561	ug/L 96
16) Methylene chloride	2.52	84	124639	45.989	ug/L 93
17) trans-1,2-Dichloroethene	2.78	96	116413	46.229	ug/L 99
18) Methyl tert-butyl Ether	2.78	73	388515	46.562	ug/L 99
19) 1,1-Dichloroethane	3.21	63	214835	45.323	ug/L 98
20) cis-1,2-Dichloroethene	3.94	96	125607	45.753	ug/L 99
22) 2-Butanone	3.98	43	186682	94.543	ug/L 99

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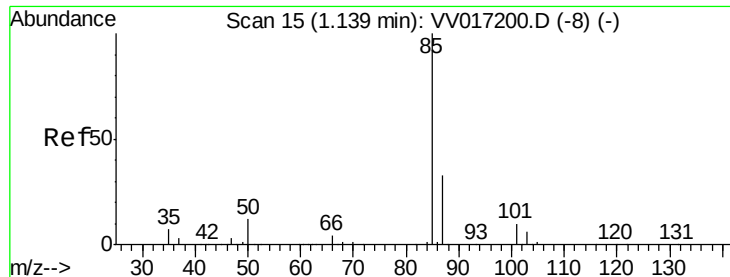
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.27	128	68688	47.496	ug/L	94
25) Chloroform	4.40	83	235870	48.419	ug/L	100
27) 1,2-Dichloroethane	5.15	62	197801	48.438	ug/L	100
29) Cyclohexane	4.70	56	198973	45.453	ug/L	98
30) 1,1,1-Trichloroethane	4.63	97	227110	50.554	ug/L	98
31) Carbon tetrachloride	4.85	117	210071	54.053	ug/L	98
33) Benzene	5.12	78	474554	45.531	ug/L	100
34) Trichloroethene	5.94	95	130056	46.526	ug/L	97
35) Methylcyclohexane	6.15	83	209733	47.827	ug/L	97
37) 1,2-Dichloropropane	6.20	63	115810	42.727	ug/L	99
38) Bromodichloromethane	6.53	83	178045	49.345	ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	195365	46.401	ug/L	98
40) 4-Methyl-2-pentanone	7.24	43	328360	85.492	ug/L	98
42) Toluene	7.41	91	515139	46.884	ug/L	98
44) trans-1,3-Dichloropropene	7.67	75	201276	49.173	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	117600	44.971	ug/L	97
46) Tetrachloroethene	8.00	164	110912	50.450	ug/L	97
48) 2-Hexanone	8.16	43	276235	92.757	ug/L	99
49) Dibromochloromethane	8.27	129	146901	52.539	ug/L	100
50) 1,2-Dibromoethane	8.37	107	129531	47.301	ug/L	99
51) Chlorobenzene	8.90	112	339806	47.403	ug/L	99
52) Ethylbenzene	9.03	91	586417	48.185	ug/L	99
53) m,p-Xylene	9.16	106	222316	49.062	ug/L	100
54) o-xylene	9.56	106	219055	49.017	ug/L	98
55) Styrene	9.58	104	370519	49.038	ug/L	96
56) Isopropylbenzene	9.95	105	595145	49.562	ug/L	100
58) 1,1,1,2,2-Tetrachloroethane	10.26	83	179957	44.884	ug/L	95
59) 1,2,3-Trichloropropane	10.30	75	152106	45.229	ug/L	99
61) Bromoform	9.75	173	108159	54.784	ug/L	100
62) 1,3-Dichlorobenzene	11.20	146	285898	47.027	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	286136	46.259	ug/L	99
65) 1,2-Dichlorobenzene	11.67	146	283054	46.460	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	47745	49.840	ug/L	97
67) 1,3,5-Trichlorobenzene	12.67	180	221240	48.803	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	194726	46.830	ug/L	98
69) Naphthalene	13.52	128	596152	49.842	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	204477	50.258	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 65.127 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

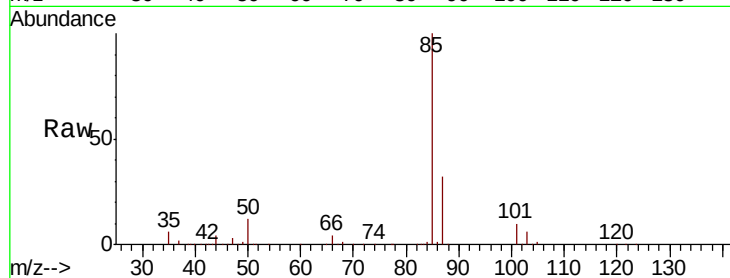
VSTD05073

Tot Ion: 85 Resp: 192137

Ion Ratio Lower Upper

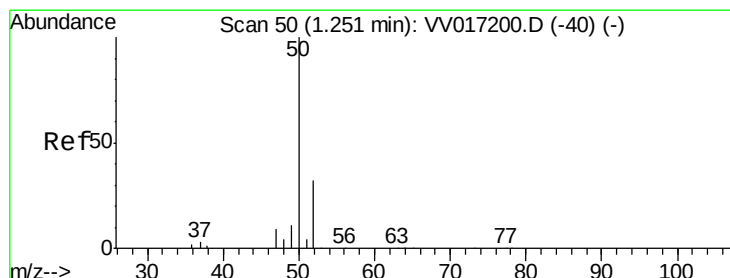
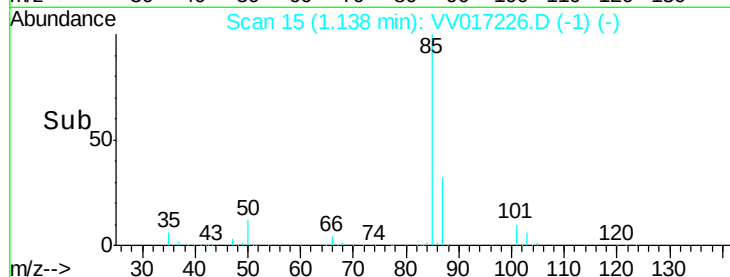
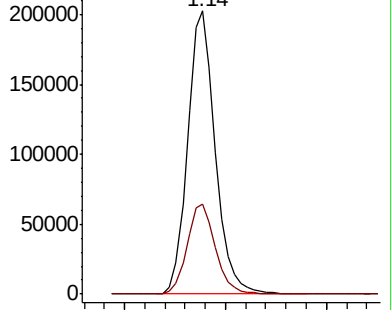
85 100

87 32.7 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV017200.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV017200.D (-8) (-)



#3

Chloromethane

Concen: 50.701 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV017226.D

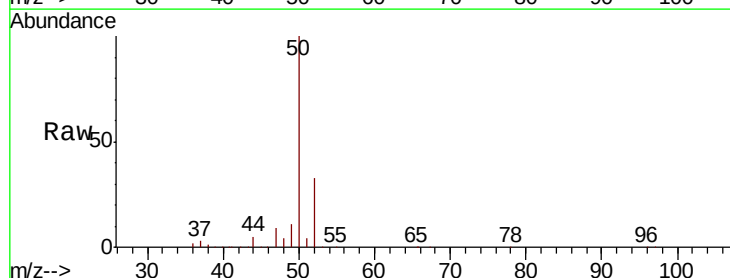
Acq: 29 Jun 2020 09:17

Tgt Ion: 50 Resp: 136790

Ion Ratio Lower Upper

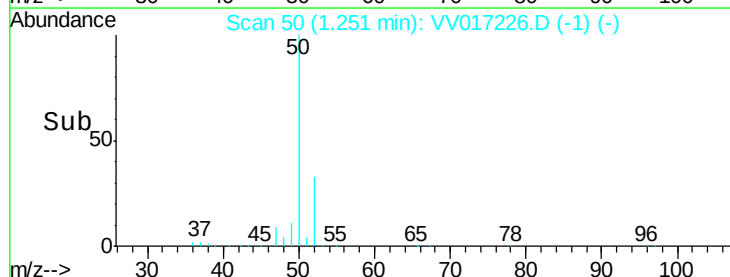
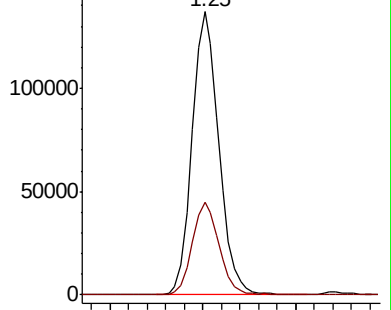
50 100

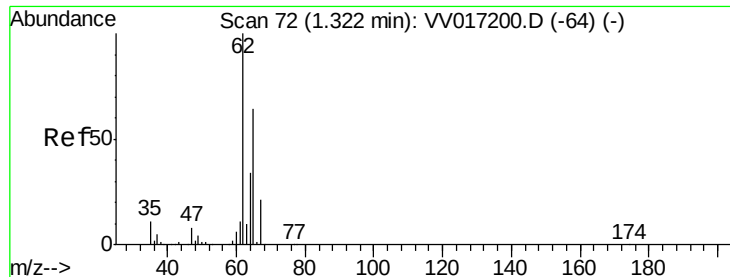
52 32.8 22.5 41.7



Abundance Ion 50.00 (49.70 to 50.70): VV017200.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV017200.D (-40) (-)





#5

Vinyl chloride

Concen: 50.551 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

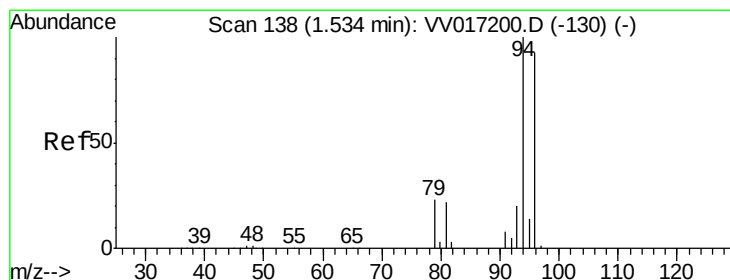
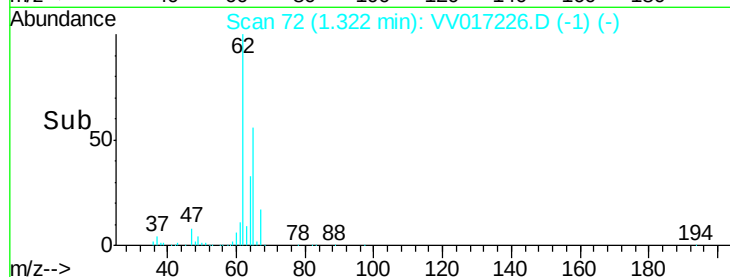
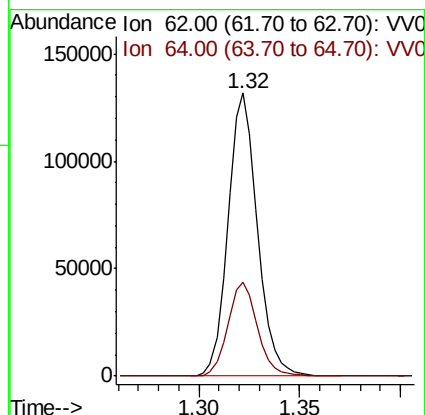
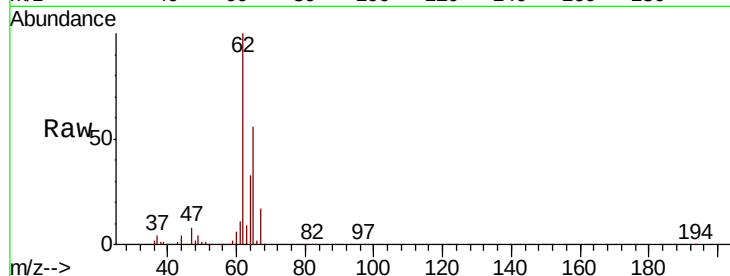
VSTD05073

Tot Ion: 62 Resp: 134118

Ion Ratio Lower Upper

62 100

64 33.1 22.3 41.5



#6

Bromomethane

Concen: 59.876 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV017226.D

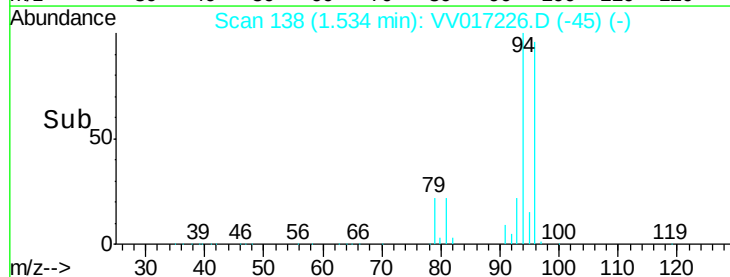
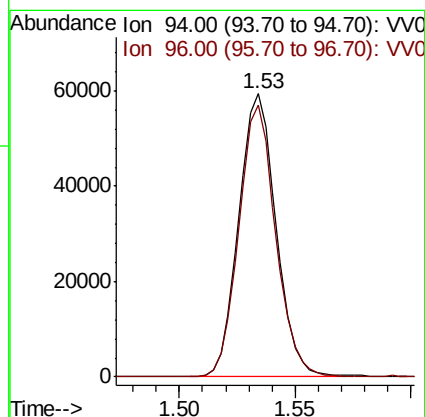
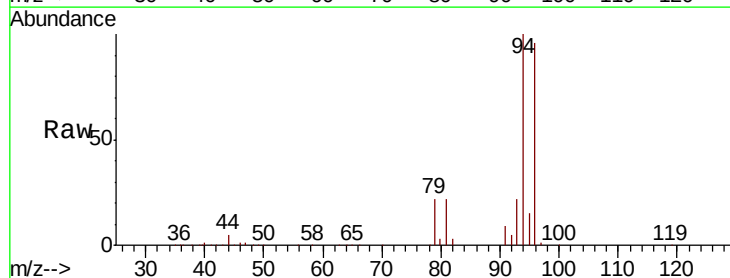
Acq: 29 Jun 2020 09:17

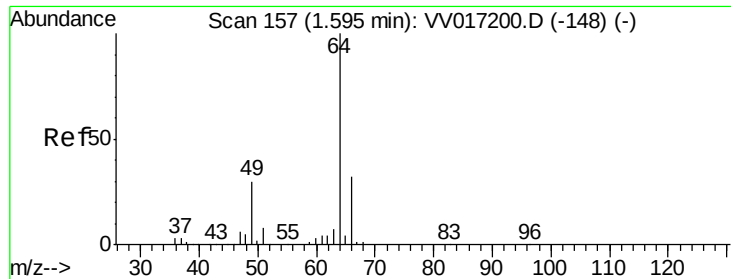
Tgt Ion: 94 Resp: 66163

Ion Ratio Lower Upper

94 100

96 96.1 64.5 119.9





#8

Chloroethane

Concen: 47.432 ug/L

RT: 1.60 min Scan# 157

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

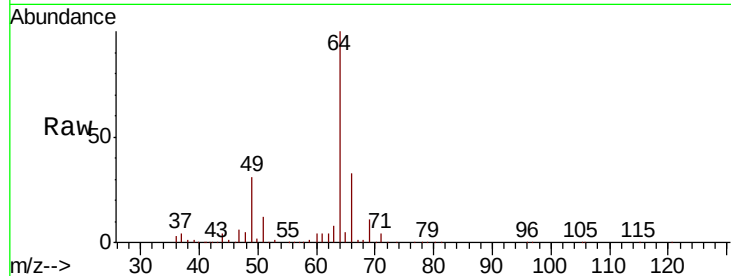
VSTD05073

Tot Ion: 64 Resp: 62162

Ion Ratio Lower Upper

64 100

66 32.6 23.2 43.0



Abundance Ion 64.00 (63.70 to 64.70): VV017226.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV017226.D (-148) (-)

1.60

60000

50000

40000

30000

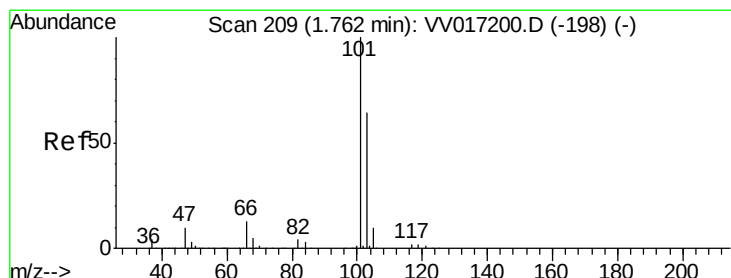
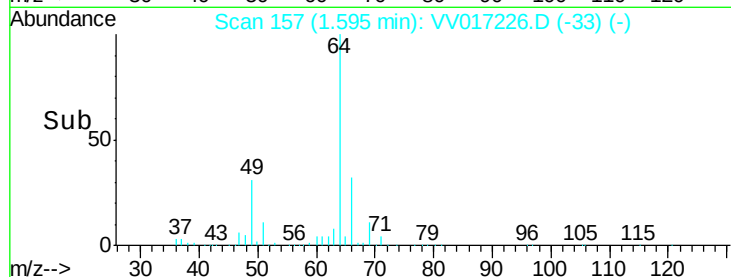
20000

10000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 58.108 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV017226.D

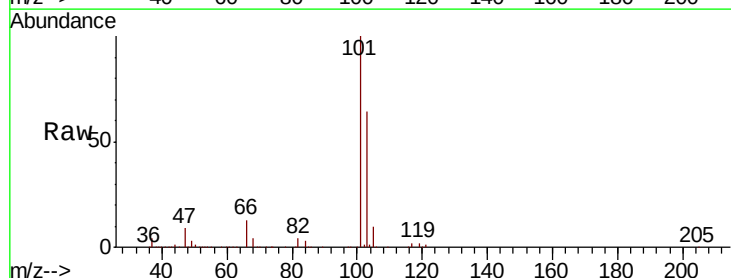
Acq: 29 Jun 2020 09:17

Tgt Ion:101 Resp: 230708

Ion Ratio Lower Upper

101 100

103 64.2 51.3 76.9



Abundance Ion 101.00 (100.70 to 101.70): VV017226.D (-198) (-)

Ion 103.00 (102.70 to 103.70): VV017226.D (-198) (-)

1.76

200000

150000

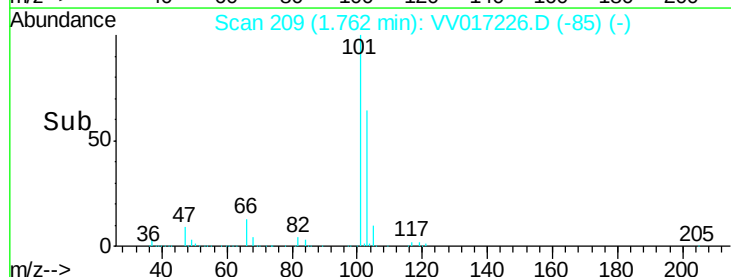
100000

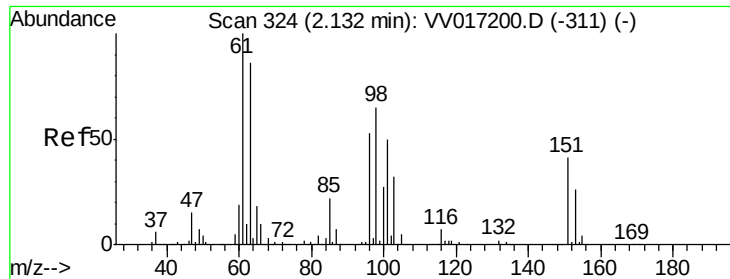
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 55.552 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

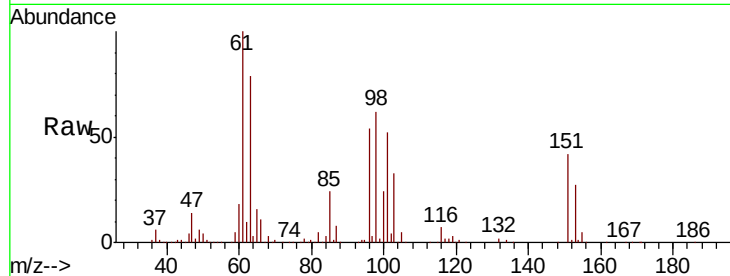
Tot Ion:101 Resp: 109906

Ion Ratio Lower Upper

101 100

85 45.3 35.5 53.3

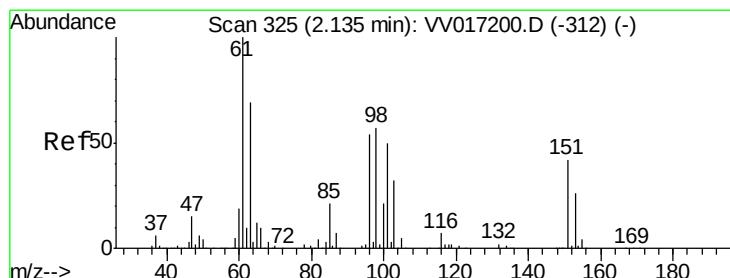
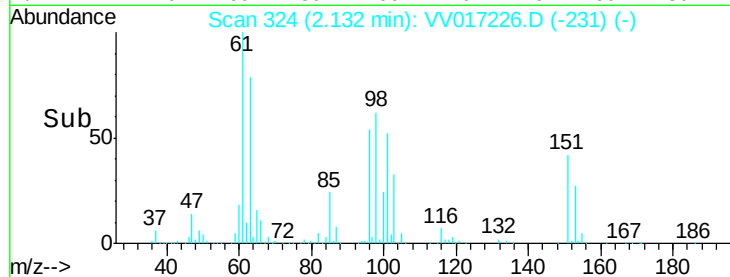
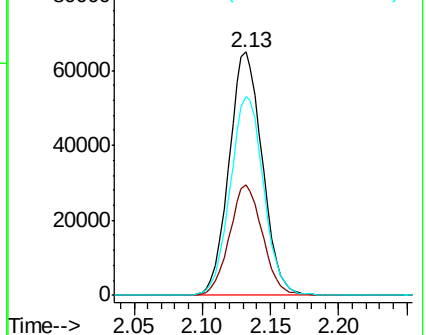
151 82.2 63.9 95.9



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: 53.789 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

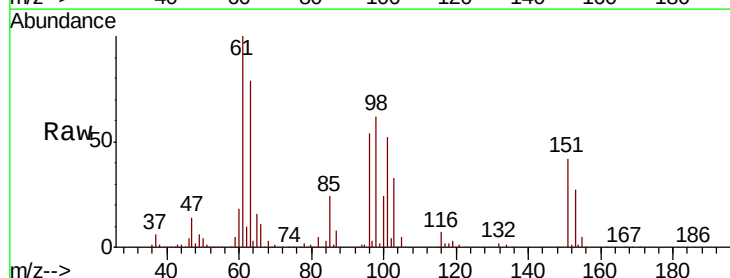
Tgt Ion: 96 Resp: 99343

Ion Ratio Lower Upper

96 100

61 184.4 130.4 242.2

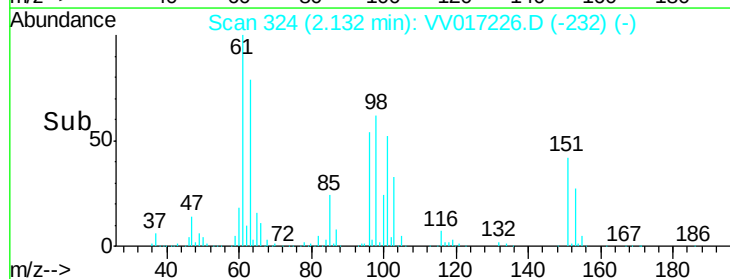
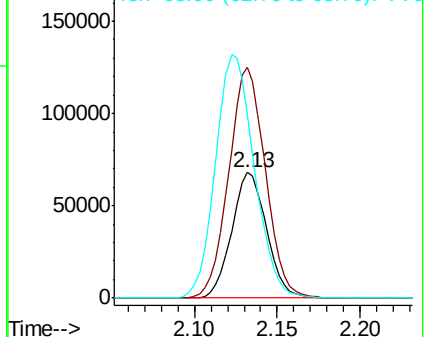
63 146.1 103.3 191.9

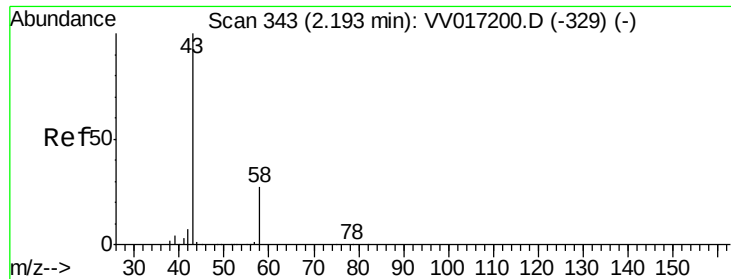


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 128.913 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.01 min

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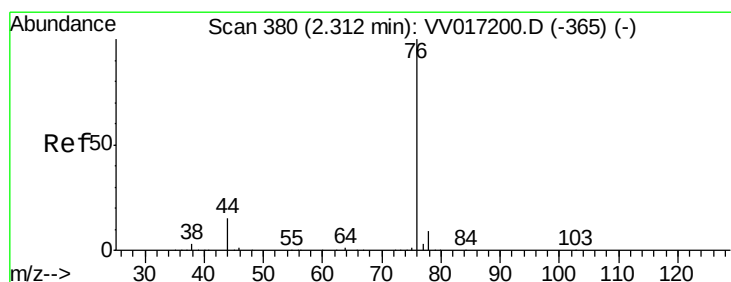
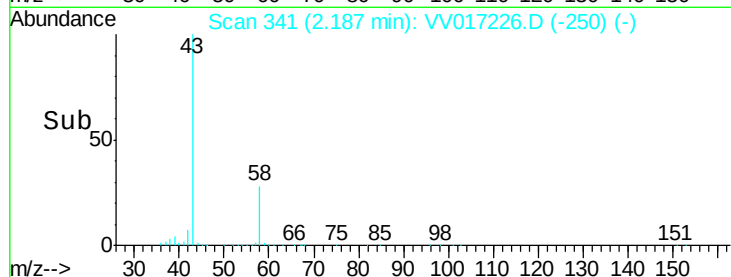
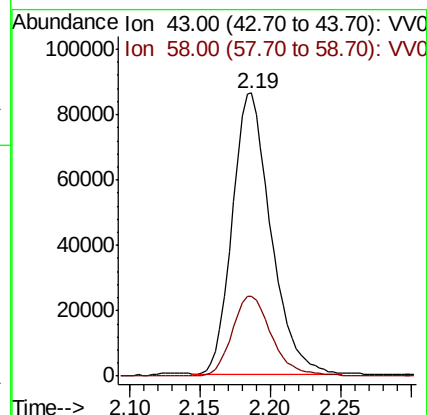
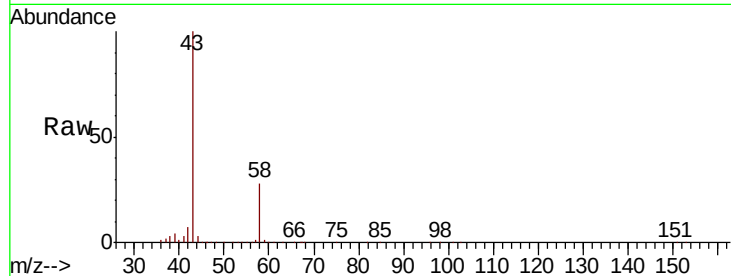
VSTD05073

Tot Ion: 43 Resp: 165068

Ion Ratio Lower Upper

43 100

58 29.4 0.0 55.2



#14

Carbon disulfide

Concen: 50.635 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV017226.D

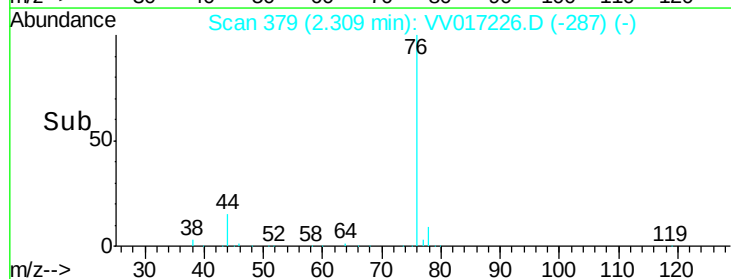
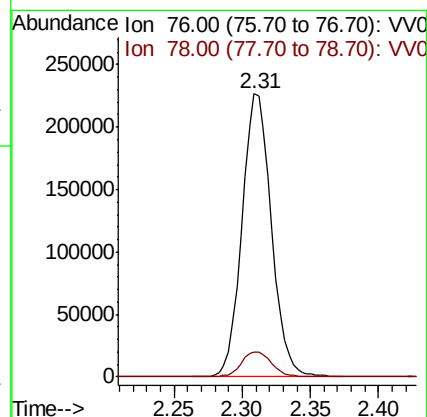
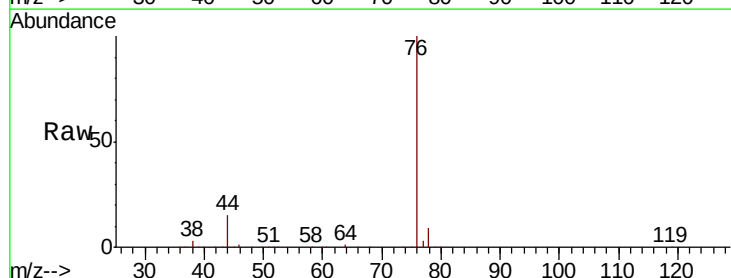
Acq: 29 Jun 2020 09:17

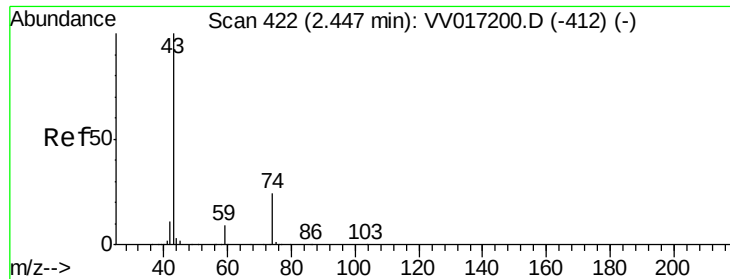
Tgt Ion: 76 Resp: 338596

Ion Ratio Lower Upper

76 100

78 8.9 7.4 11.0





#15

Methvl Acetate

Concen: 41.561 ug/L

RT: 2.44 min Scan# 421

Delta R.T. -0.00 min

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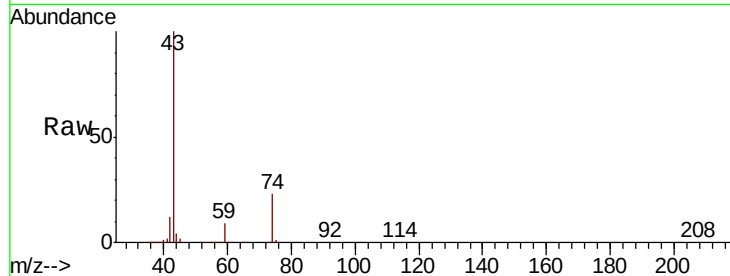
VSTD05073

Tot Ion: 43 Resp: 118615

Ion Ratio Lower Upper

43 100

74 24.3 17.9 26.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.44

80000

60000

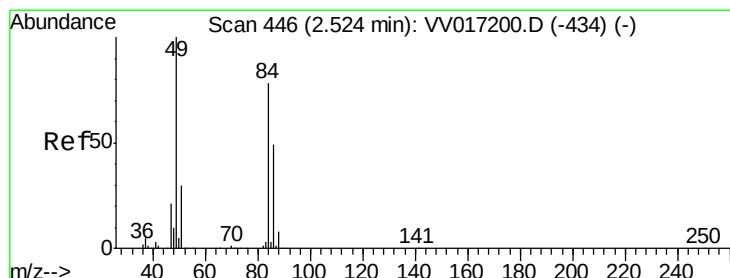
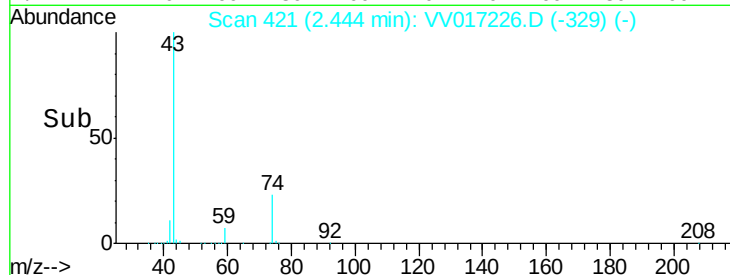
40000

20000

0

Time-->

2.40 2.45 2.50



#16

Methylene chloride

Concen: 45.989 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

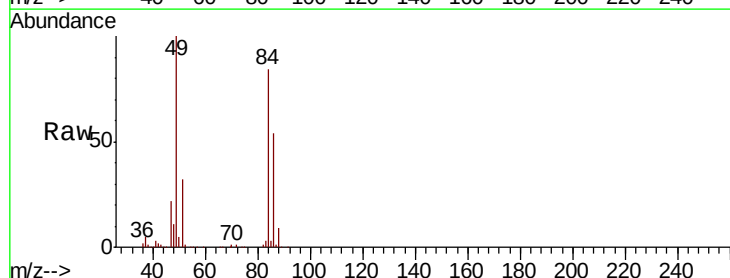
Tgt Ion: 84 Resp: 124639

Ion Ratio Lower Upper

84 100

86 64.7 44.0 81.8

49 118.7 90.9 168.9



Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 86.00 (85.70 to 86.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

120000

100000

80000

60000

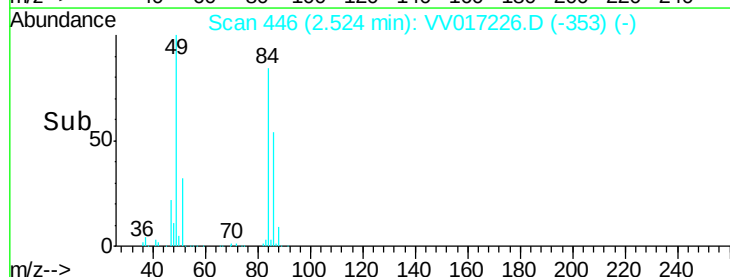
40000

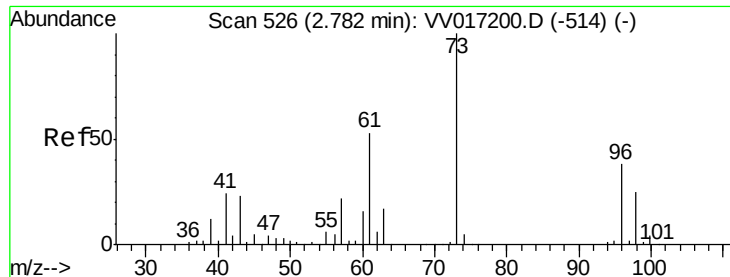
20000

0

Time-->

2.45 2.50 2.55 2.60

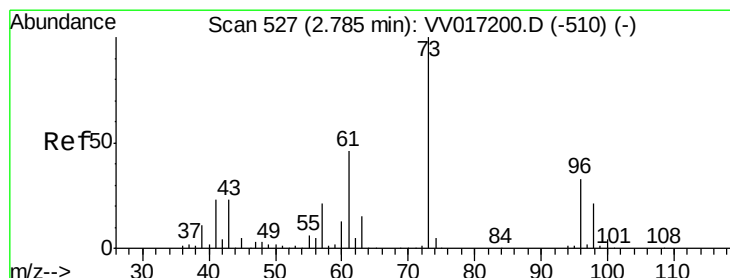
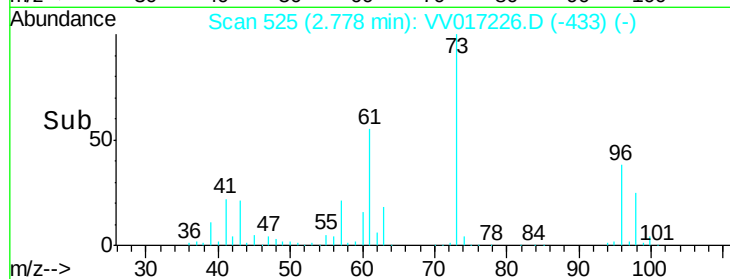
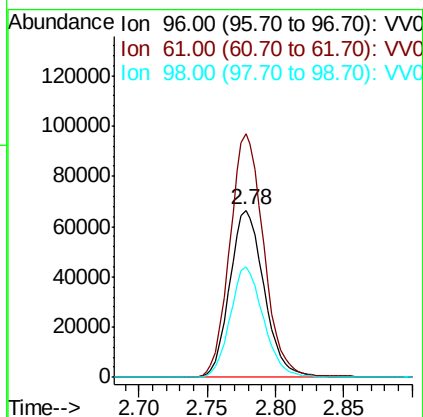
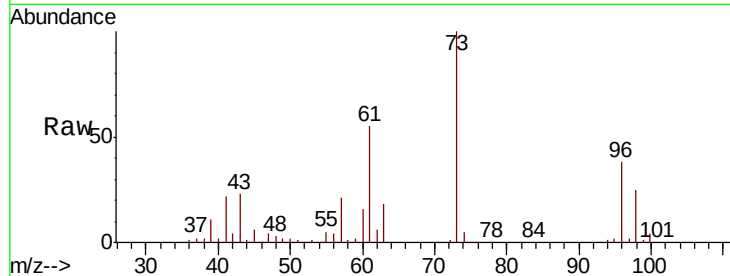




#17
trans-1,2-Dichloroethene
Concen: 46.229 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

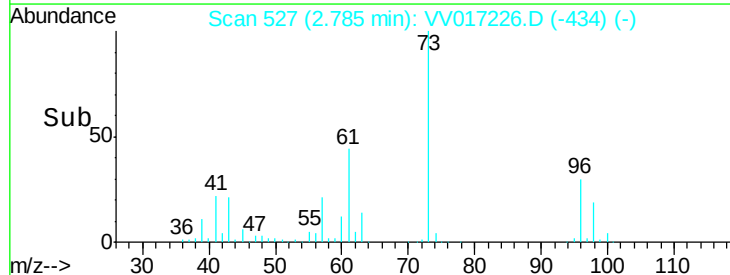
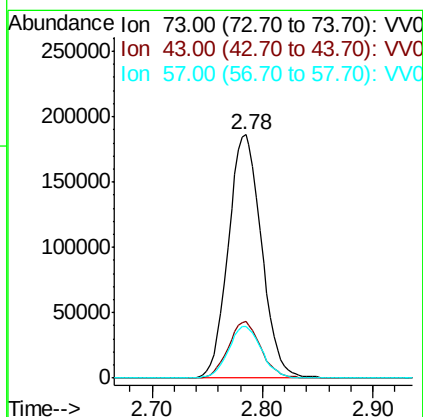
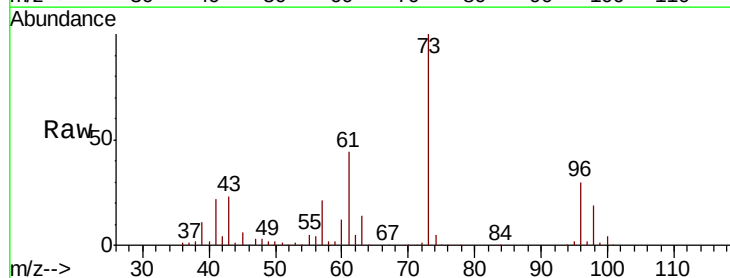
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

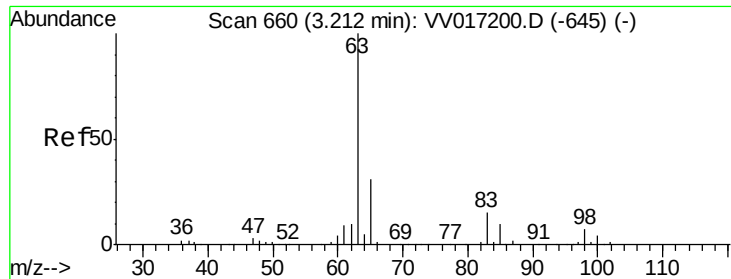
Tot Ion: 96 Resp: 116413
Ion Ratio Lower Upper
96 100
61 145.9 102.9 191.1
98 66.1 45.5 84.5



#18
Methyl tert-butyl Ether
Concen: 46.562 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

Tgt Ion: 73 Resp: 388515
Ion Ratio Lower Upper
73 100
43 22.6 17.8 26.6
57 21.1 17.7 26.5

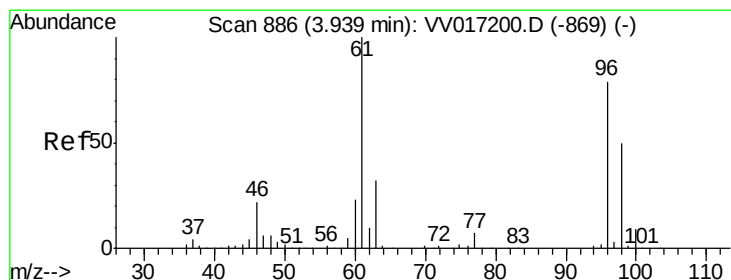
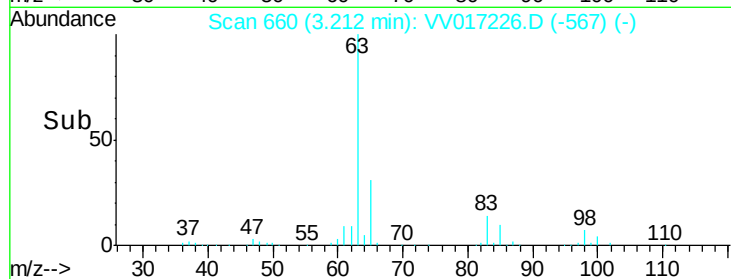
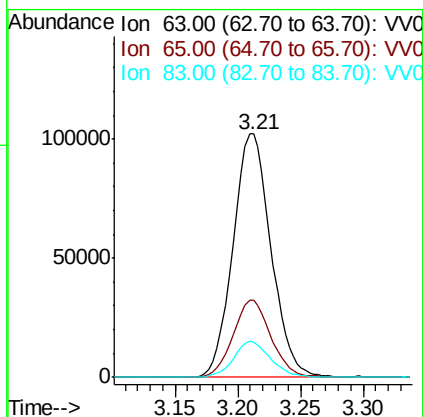
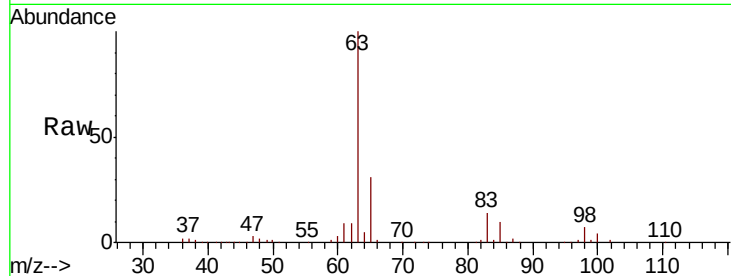




#19
 1,1-Dichloroethane
 Concen: 45.323 ug/L
 RT: 3.21 min Scan# 660
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

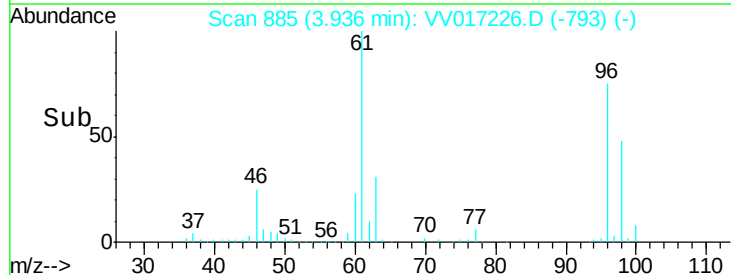
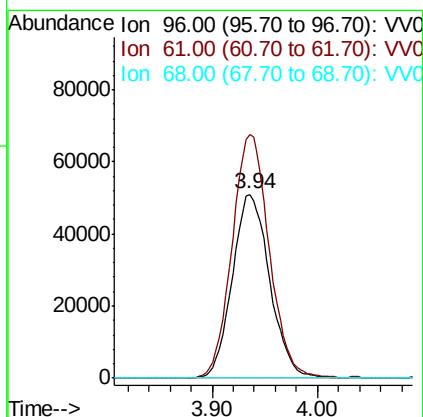
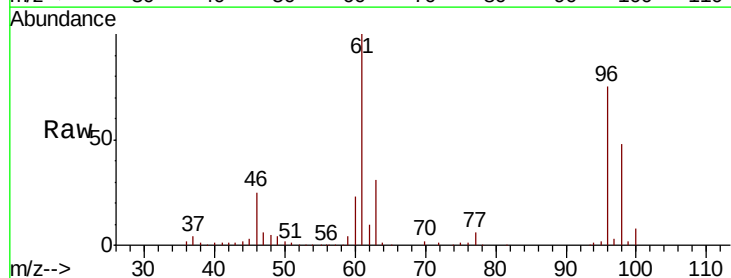
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

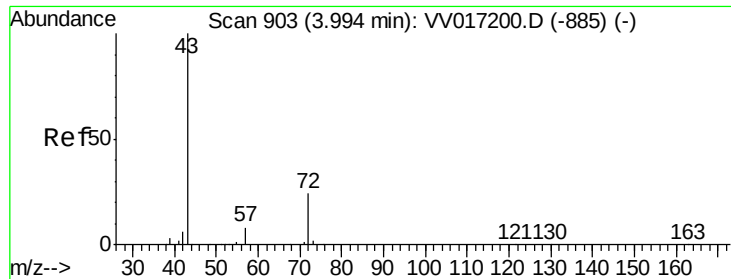
Tot Ion: 63 Resp: 214835
 Ion Ratio Lower Upper
 63 100
 65 31.5 23.2 43.0
 83 14.4 10.0 18.6



#20
 cis-1,2-Dichloroethene
 Concen: 45.753 ug/L
 RT: 3.94 min Scan# 885
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion: 96 Resp: 125607
 Ion Ratio Lower Upper
 96 100
 61 132.7 93.4 173.4
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 94.543 ug/L

RT: 3.98 min Scan# 900

Delta R.T. -0.01 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

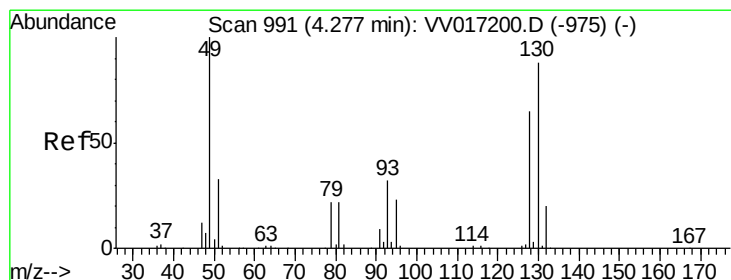
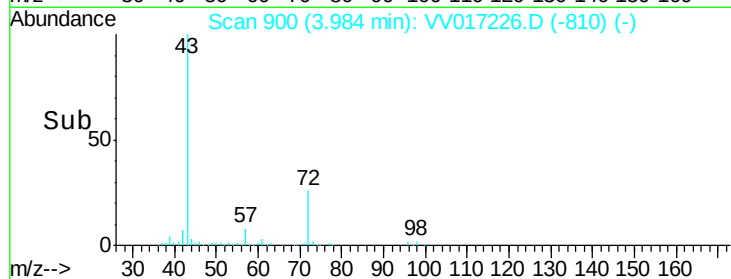
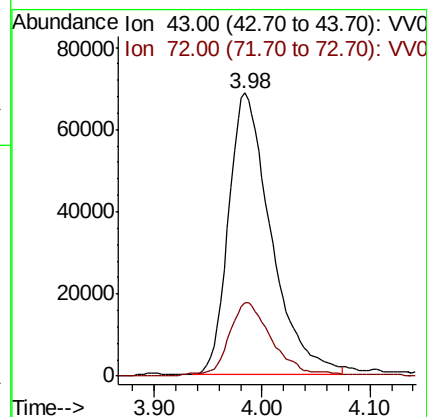
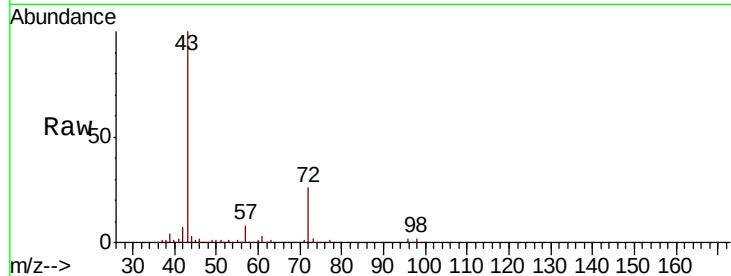
VSTD05073

Tot Ion: 43 Resp: 186682

Ion Ratio Lower Upper

43 100

72 24.2 12.4 37.4



#23

Bromochloromethane

Concen: 47.496 ug/L

RT: 4.27 min Scan# 989

Delta R.T. -0.01 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Tgt Ion: 128 Resp: 68688

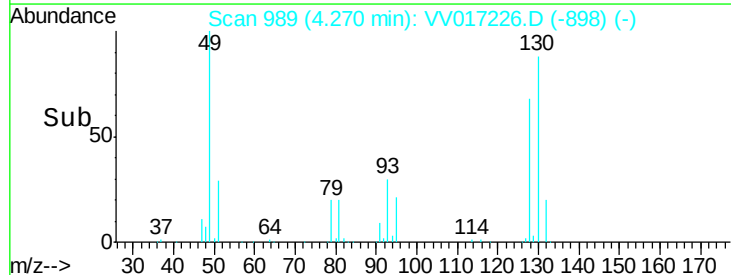
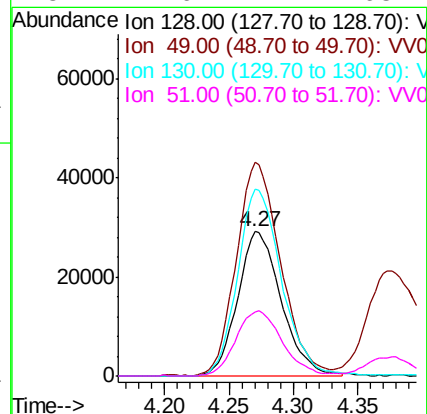
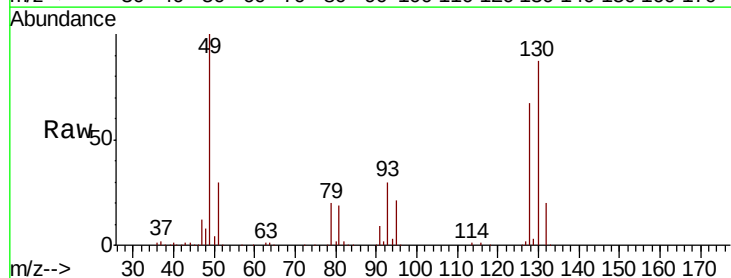
Ion Ratio Lower Upper

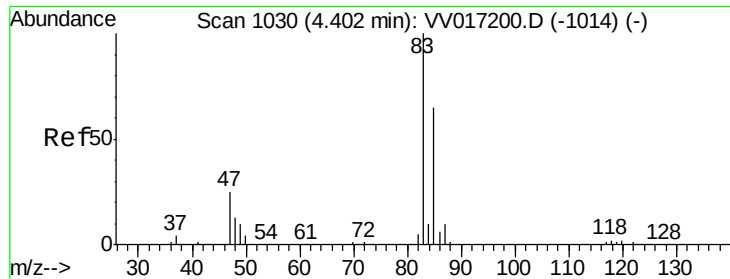
128 100

49 148.3 111.9 207.9

130 129.7 91.5 169.9

51 44.6 42.1 63.1

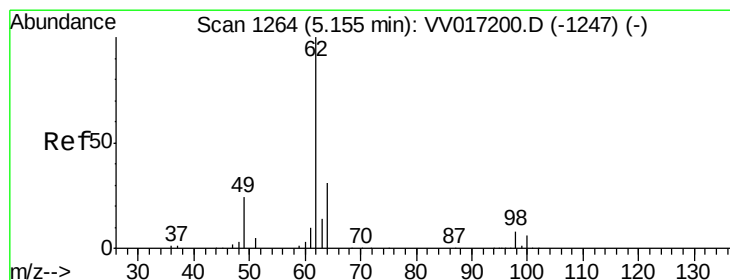
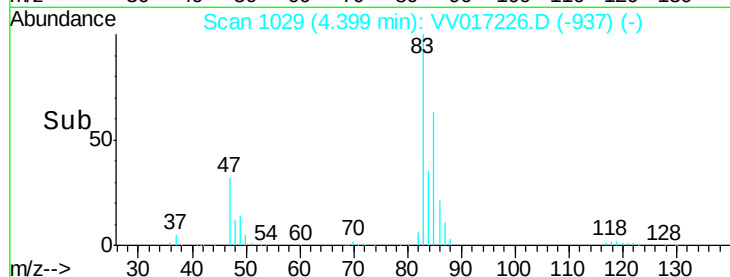
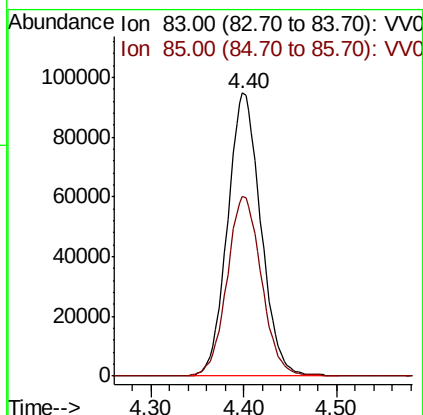
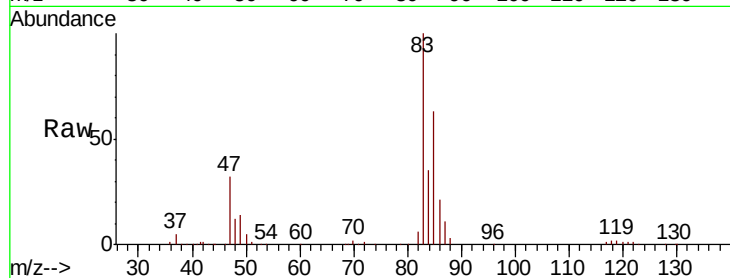




#25
Chloroform
Concen: 48.419 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

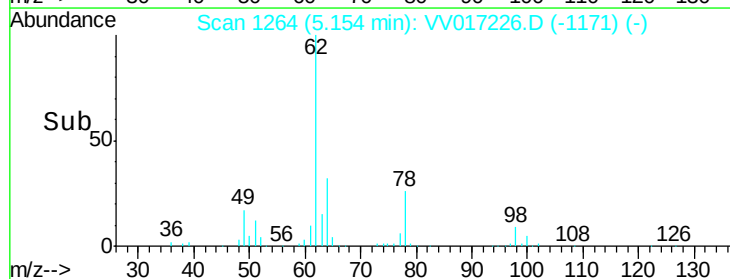
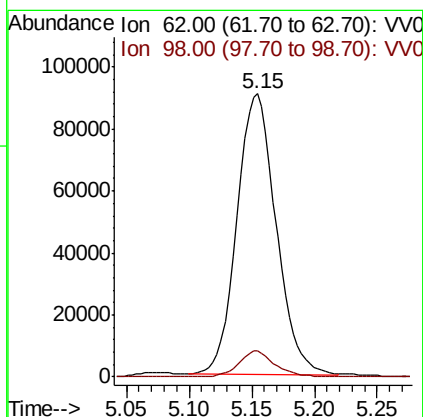
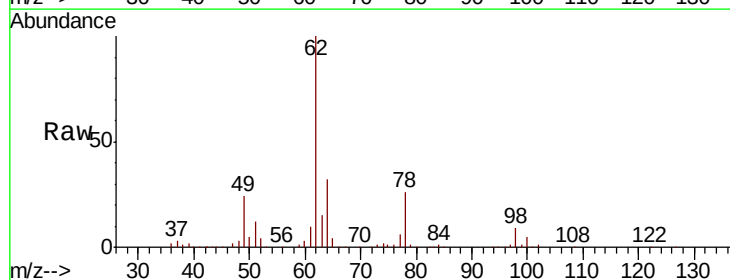
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

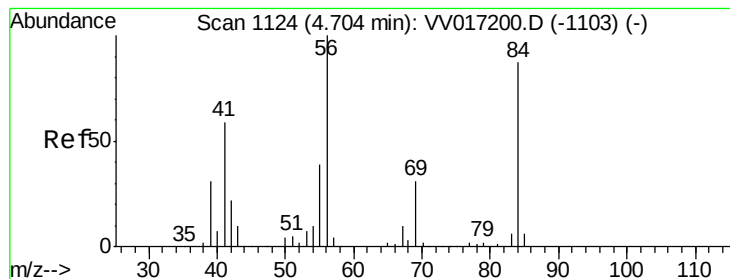
Tot Ion: 83 Resp: 235870
Ion Ratio Lower Upper
83 100
85 63.3 44.1 81.9



#27
1,2-Dichloroethane
Concen: 48.438 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

Tgt Ion: 62 Resp: 197801
Ion Ratio Lower Upper
62 100
98 9.2 7.4 11.2





#29

Cyclohexane

Concen: 45.453 ug/L

RT: 4.70 min Scan# 1124

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampled :

VSTD05073

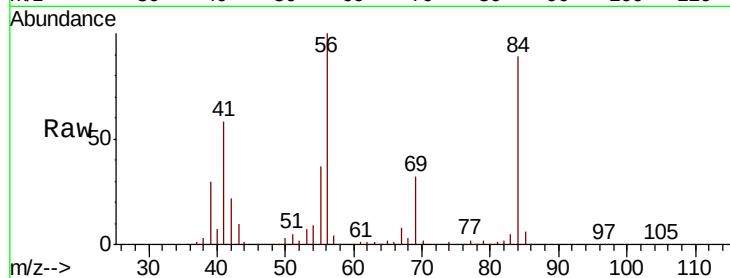
Tot Ion: 56 Resp: 198973

Ion Ratio Lower Upper

56 100

69 31.7 25.0 37.4

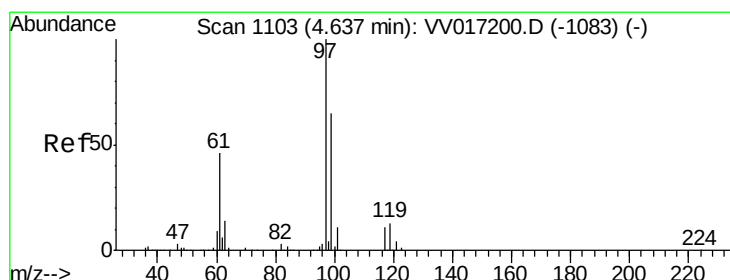
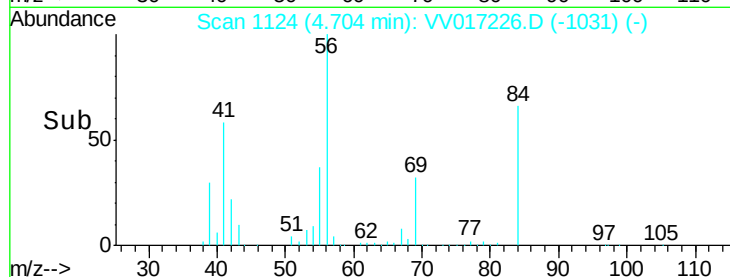
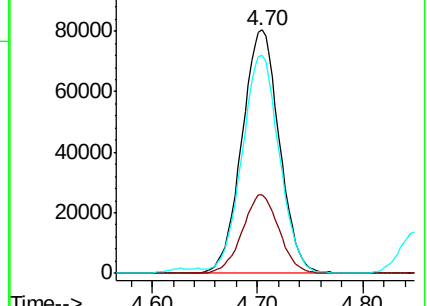
84 88.8 69.5 104.3



Abundance Ion 56.00 (55.70 to 56.70): VV0

Ion 69.00 (68.70 to 69.70): VV0

Ion 84.00 (83.70 to 84.70): VV0



#30

1,1,1-Trichloroethane

Concen: 50.554 ug/L

RT: 4.63 min Scan# 1102

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

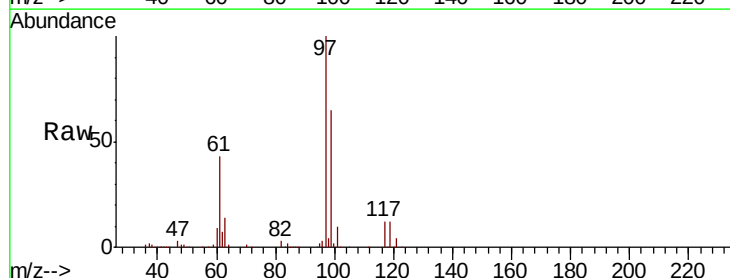
Tgt Ion: 97 Resp: 227110

Ion Ratio Lower Upper

97 100

99 65.4 51.3 76.9

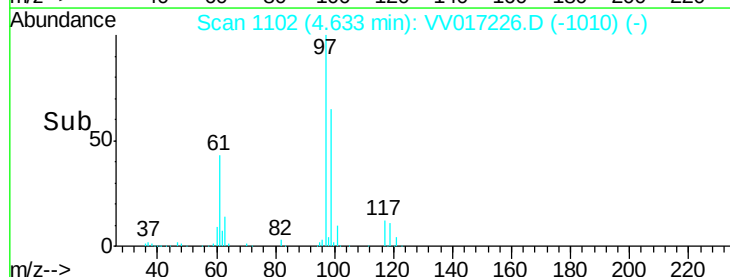
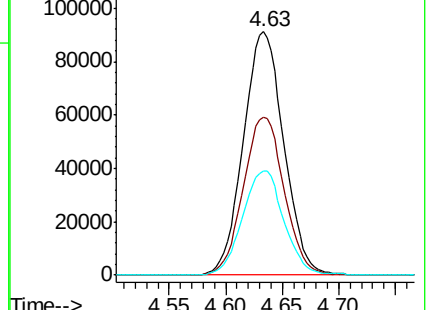
61 43.7 36.7 55.1

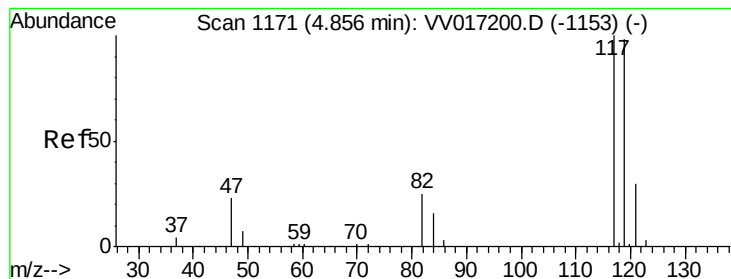


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 54.053 ug/L

RT: 4.85 min Scan# 1170

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

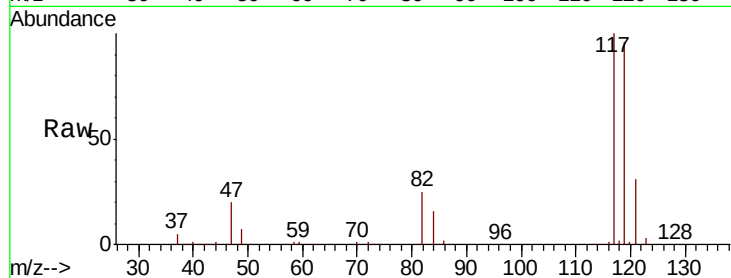
VSTD05073

Tot Ion:117 Resp: 210071

Ion Ratio Lower Upper

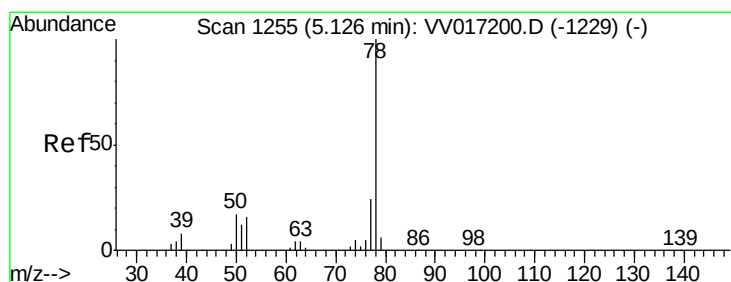
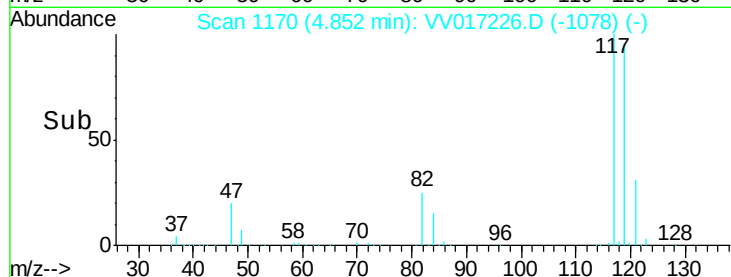
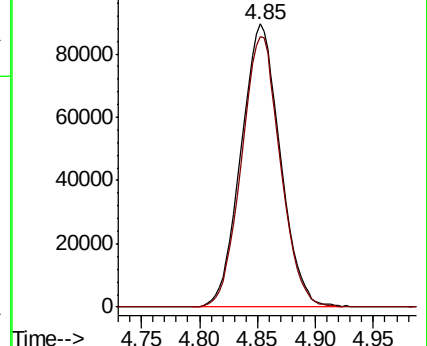
117 100

119 94.8 77.4 116.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 45.531 ug/L

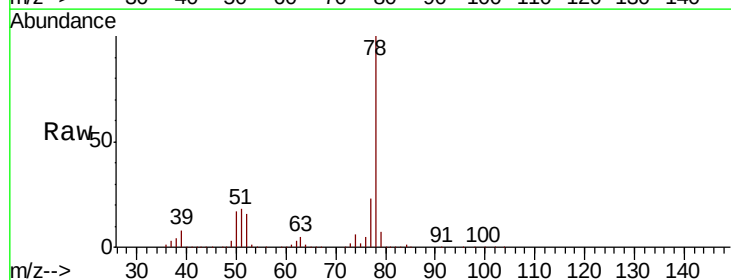
RT: 5.12 min Scan# 1254

Delta R.T. -0.00 min

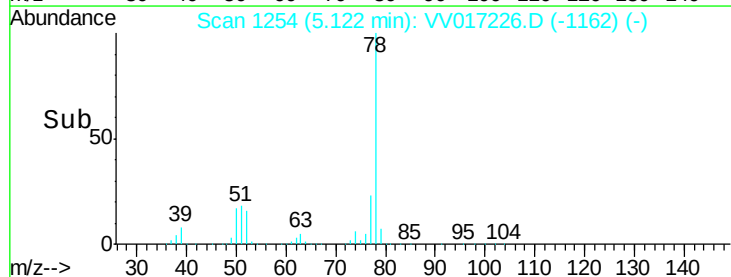
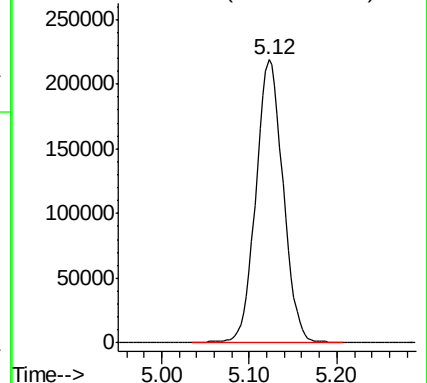
Lab File: VV017226.D

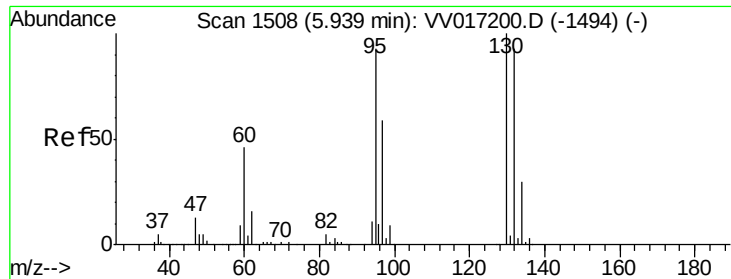
Acq: 29 Jun 2020 09:17

Tgt Ion: 78 Resp: 474554



Abundance Ion 78.00 (77.70 to 78.70): VV0

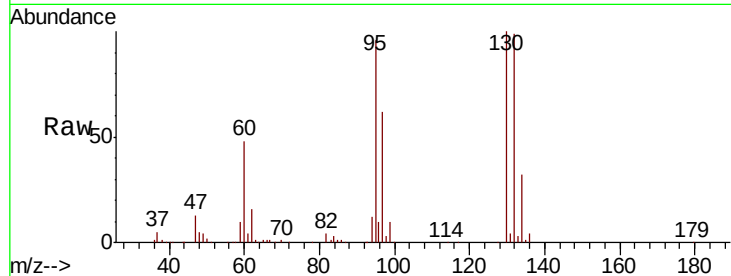




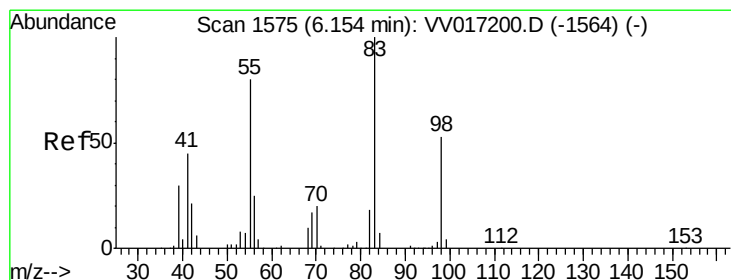
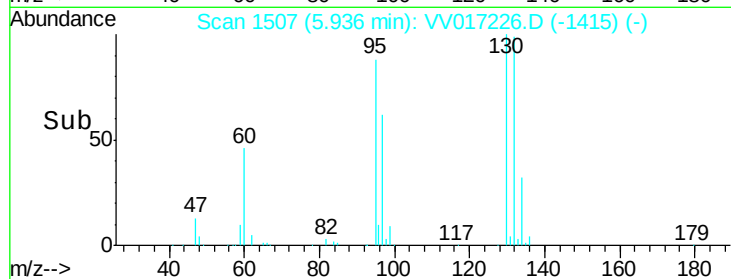
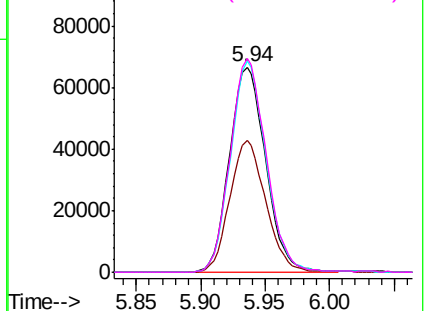
#34
 Trichloroethene
 Concen: 46.526 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05073

Tot Ion:	95	Resp:	130056
Ion	Ratio	Lower	Upper
95	100		
97	64.4	44.3	82.3
132	102.9	67.9	126.1
130	104.3	72.2	134.2

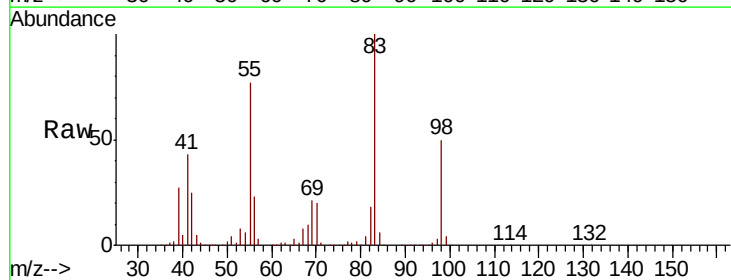


Abundance Ion 95.00 (94.70 to 95.70): VV017226.D (-1415) (-)
 Ion 97.00 (96.70 to 97.70): VV017226.D (-1415) (-)
 Ion 132.00 (131.70 to 132.70): VV017226.D (-1415) (-)
 Ion 130.00 (129.70 to 130.70): VV017226.D (-1415) (-)

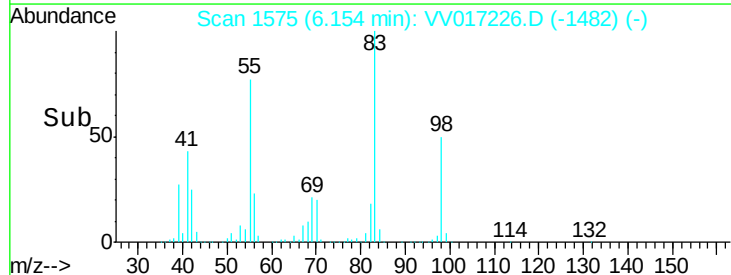
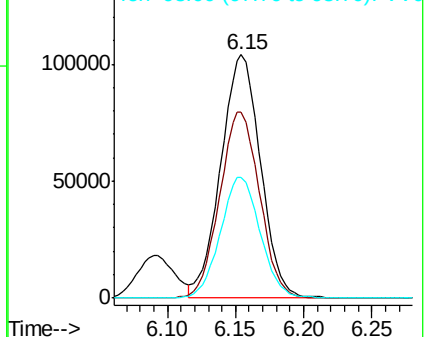


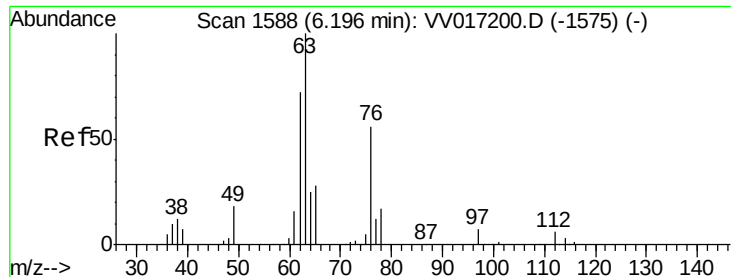
#35
 Methylcyclohexane
 Concen: 47.827 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion:	83	Resp:	209733
Ion	Ratio	Lower	Upper
83	100		
55	76.4	64.2	96.2
98	50.1	40.3	60.5



Abundance Ion 83.00 (82.70 to 83.70): VV017226.D (-1482) (-)
 Ion 55.00 (54.70 to 55.70): VV017226.D (-1482) (-)
 Ion 98.00 (97.70 to 98.70): VV017226.D (-1482) (-)

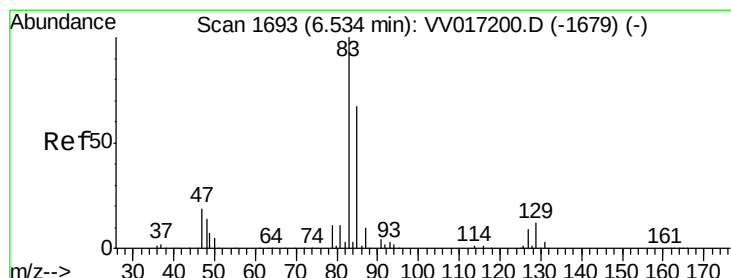
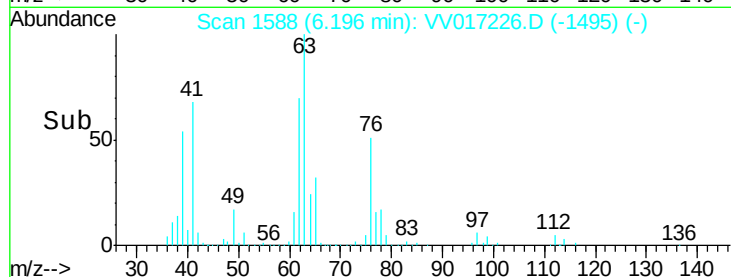
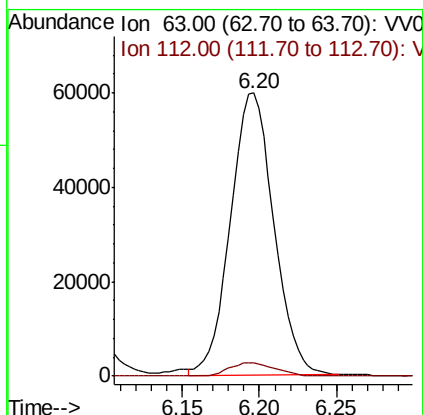
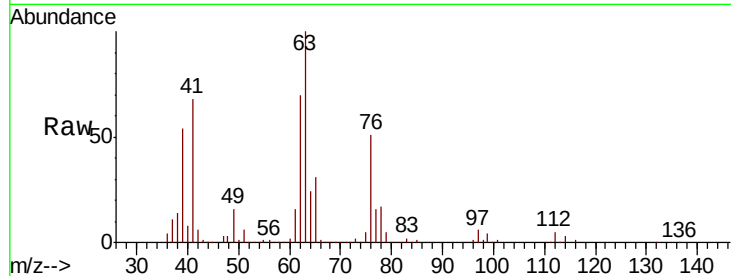




#37
 1,2-Dichloropropane
 Concen: 42.727 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

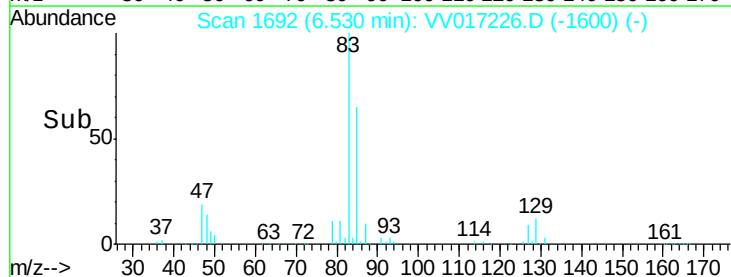
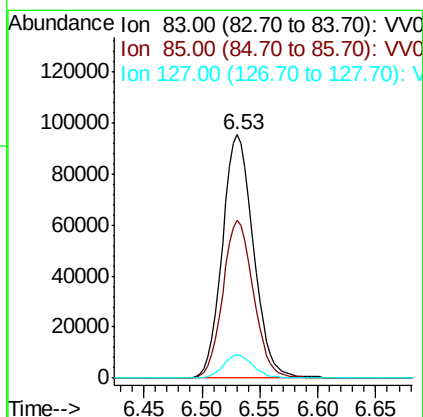
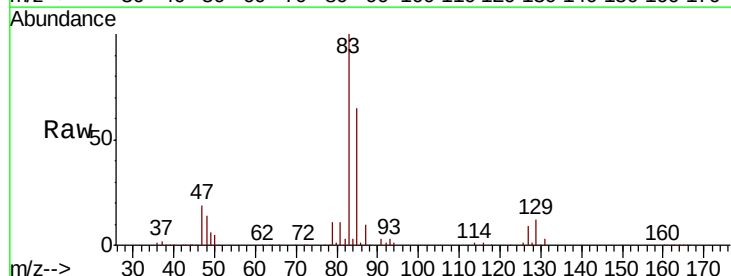
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

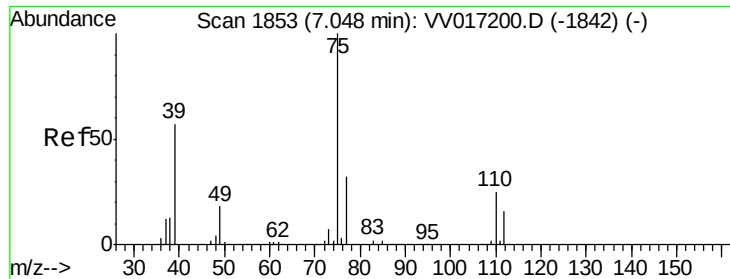
Tot Ion: 63 Resp: 115810
 Ion Ratio Lower Upper
 63 100
 112 5.2 3.8 5.6



#38
 Bromodichloromethane
 Concen: 49.345 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion: 83 Resp: 178045
 Ion Ratio Lower Upper
 83 100
 85 64.8 44.4 82.5
 127 9.4 7.4 11.0

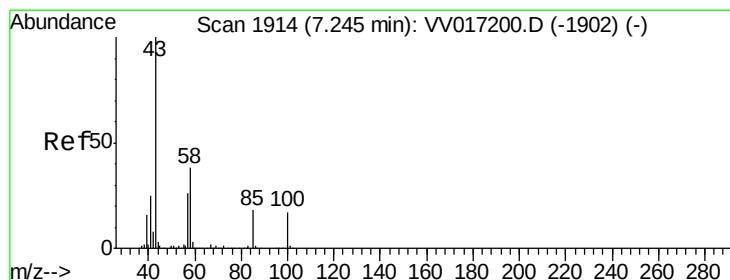
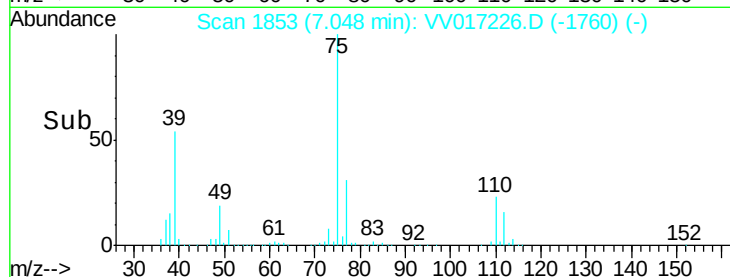
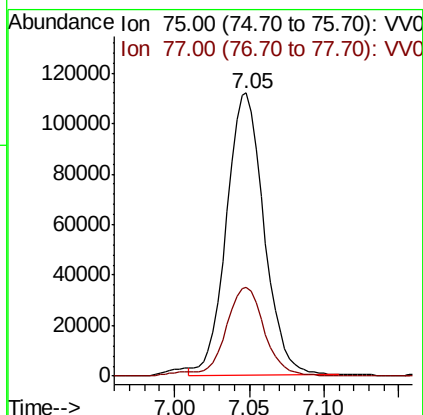
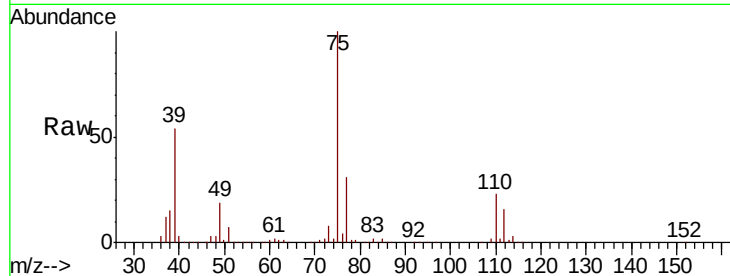




#39
 cis-1,3-Dichloropropene
 Concen: 46.401 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

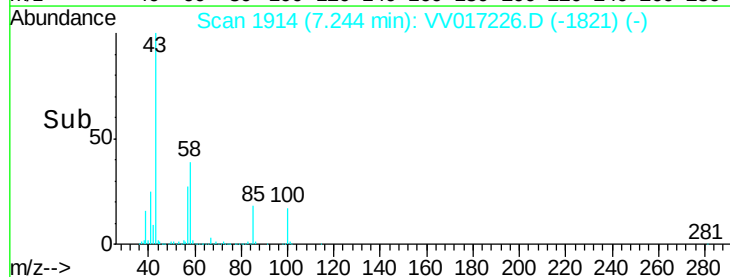
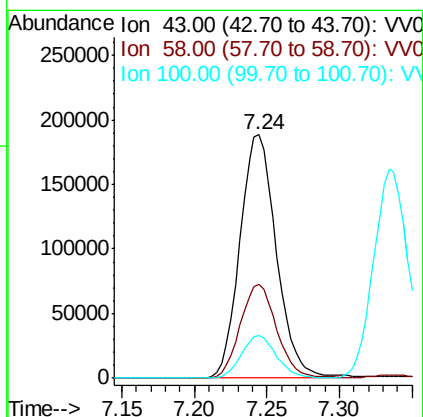
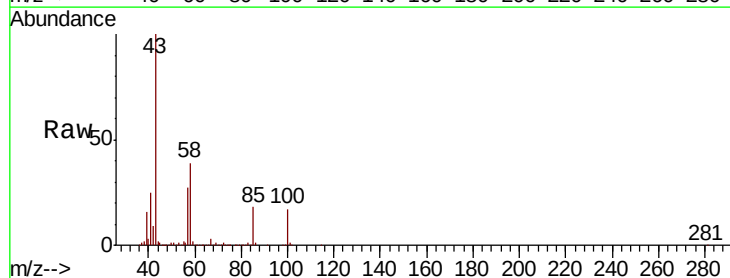
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

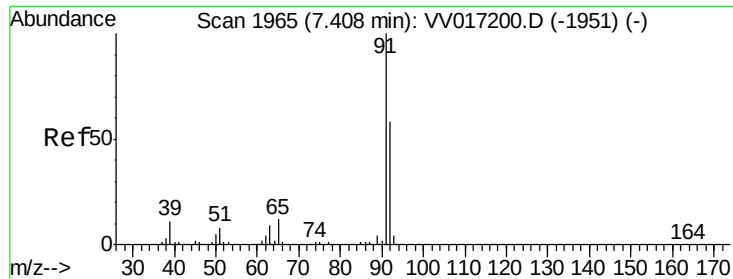
Tot Ion: 75 Resp: 195365
 Ion Ratio Lower Upper
 75 100
 77 31.5 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 85.492 ug/L
 RT: 7.24 min Scan# 1914
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion: 43 Resp: 328360
 Ion Ratio Lower Upper
 43 100
 58 38.7 30.2 45.4
 100 16.9 12.3 18.5





#42

Toluene

Concen: 46.884 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

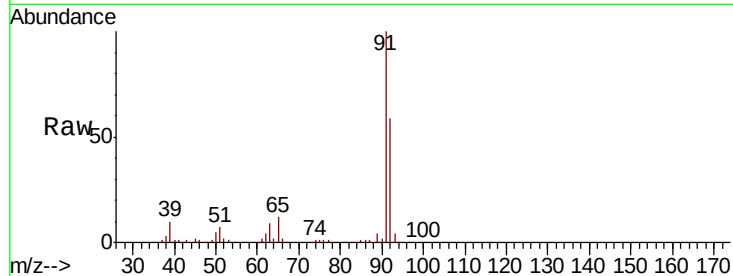
VSTD05073

Tot Ion: 91 Resp: 515139

Ion Ratio Lower Upper

91 100

92 59.4 40.4 75.0



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.41

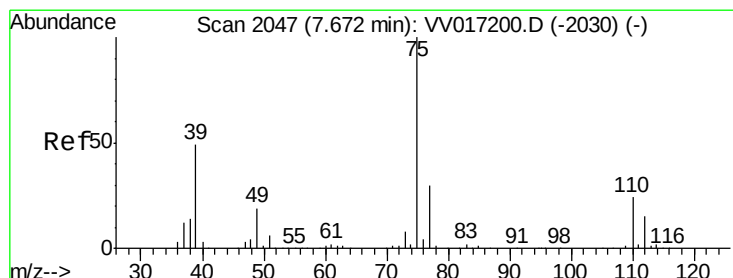
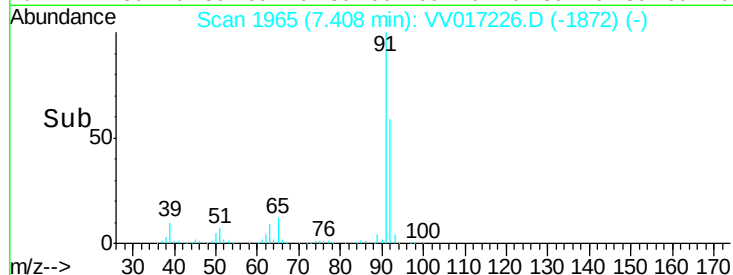
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 49.173 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV017226.D

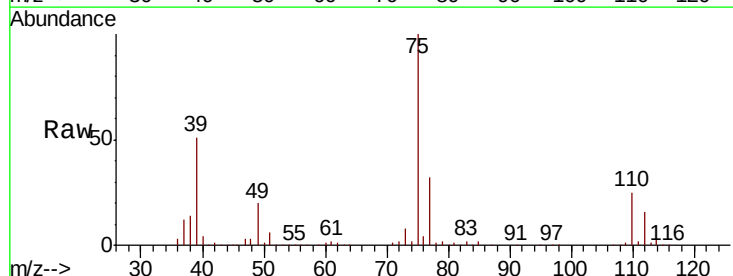
Acq: 29 Jun 2020 09:17

Tgt Ion: 75 Resp: 201276

Ion Ratio Lower Upper

75 100

77 31.8 21.7 40.3



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

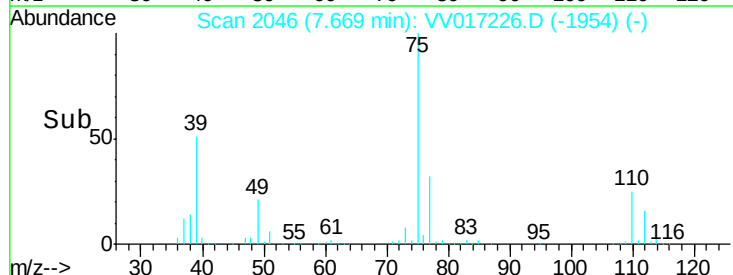
7.67

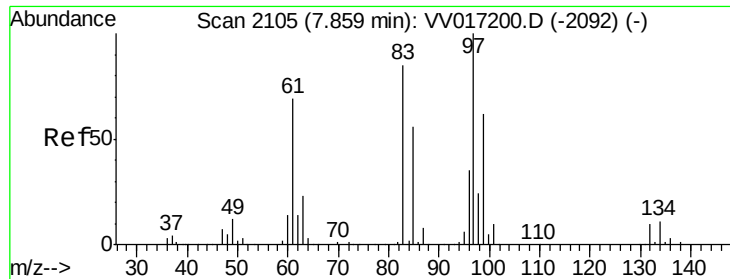
100000

50000

0

Time-->

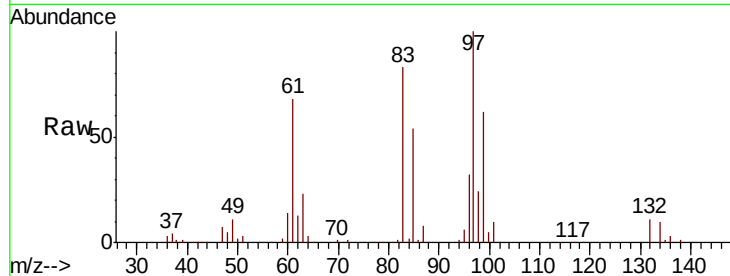




#45
 1,1,2-Trichloroethane
 Concen: 44.971 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05073

Tot Ion:	97	Resp:	117600
Ion	Ratio	Lower	Upper
97	100		
99	62.1	44.3	82.3
83	82.8	60.0	111.4
85	54.0	39.5	73.3



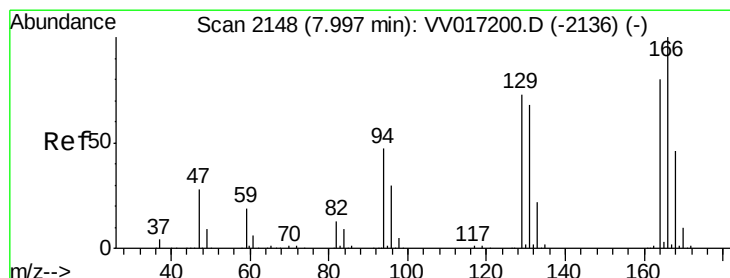
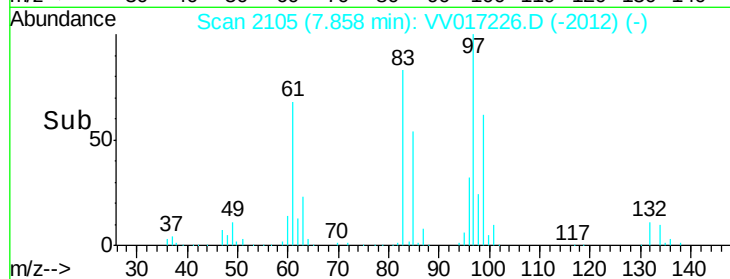
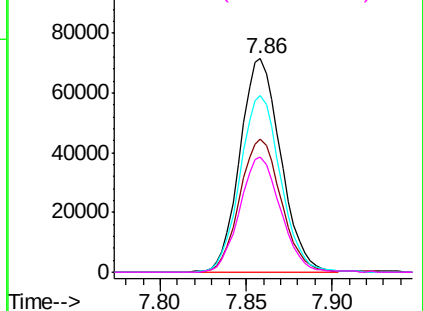
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

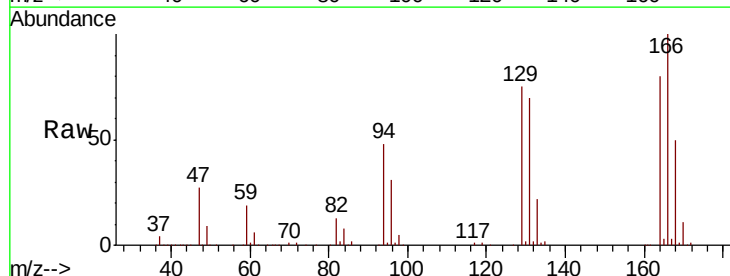
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 50.450 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion:	164	Resp:	110912
Ion	Ratio	Lower	Upper
164	100		
129	93.6	67.0	124.4
131	88.3	64.8	120.3
166	125.2	90.4	167.8



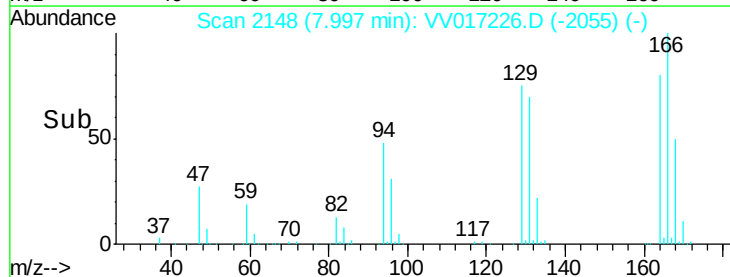
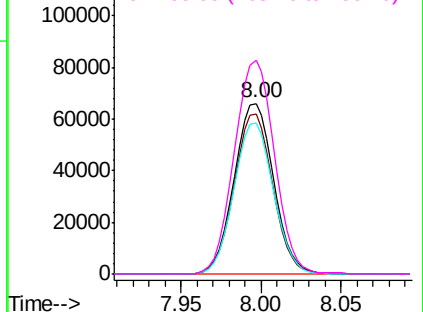
Abundance

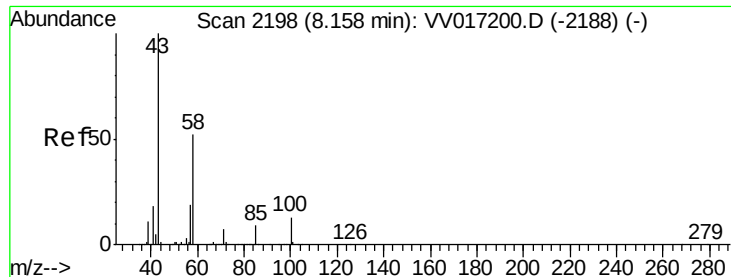
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

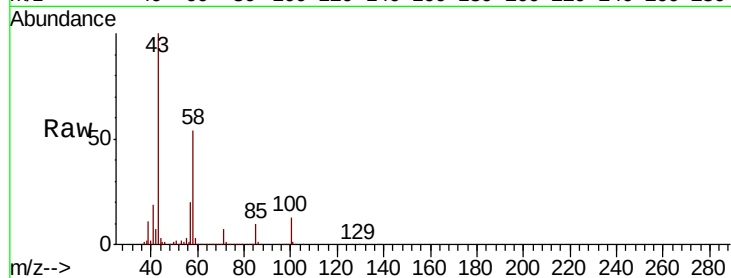




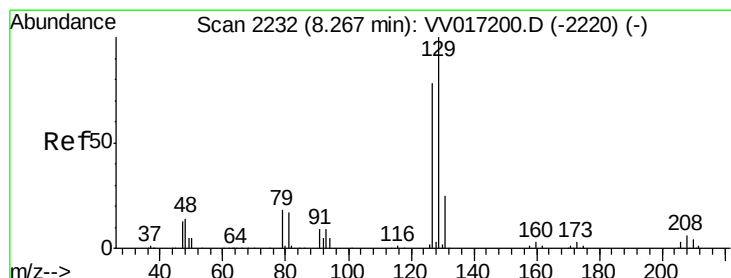
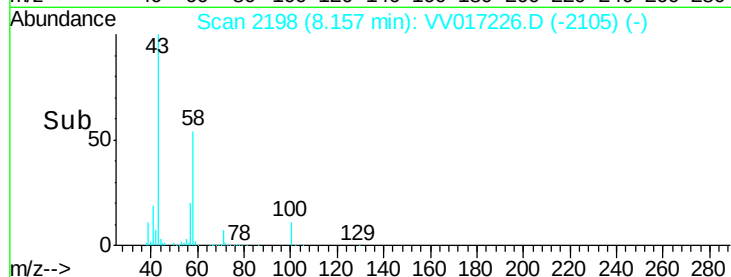
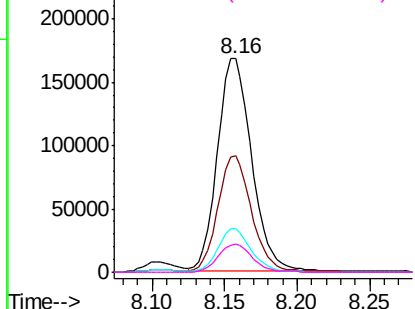
#48
2-Hexanone
Concen: 92.757 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tot Ion:	43	Resp:	276235
Ion	Ratio	Lower	Upper
43	100		
58	54.6	43.1	64.7
57	19.6	15.3	22.9
100	13.1	10.0	15.0

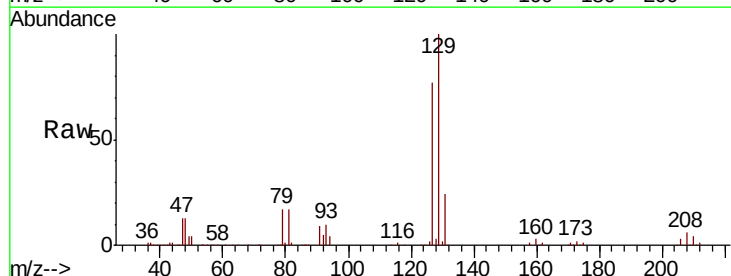


Abundance Ion 43.00 (42.70 to 43.70): VV017226.D (-2188) (-)
Ion 58.00 (57.70 to 58.70): VV017226.D (-2188) (-)
Ion 57.00 (56.70 to 57.70): VV017226.D (-2188) (-)
Ion 100.00 (99.70 to 100.70): VV017226.D (-2188) (-)

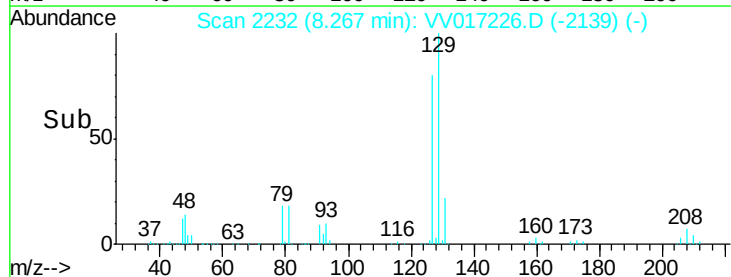
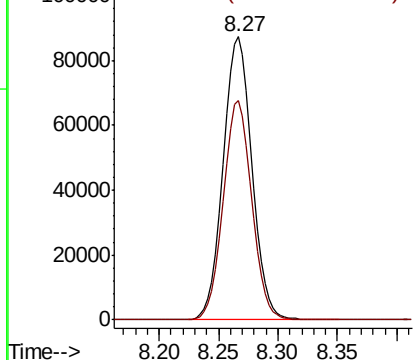


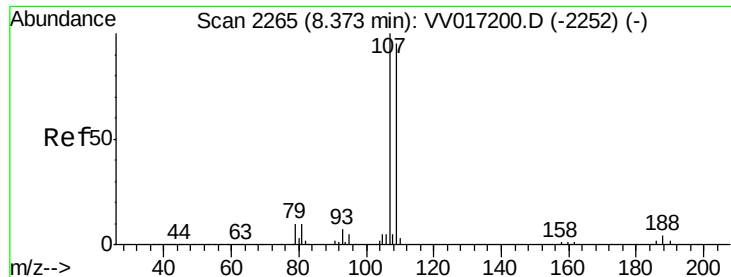
#49
Dibromochloromethane
Concen: 52.539 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

Tgt Ion:	129	Resp:	146901
Ion	Ratio	Lower	Upper
129	100		
127	77.4	54.2	100.6



Abundance Ion 129.00 (128.70 to 129.70): VV017226.D (-2220) (-)
Ion 127.00 (126.70 to 127.70): VV017226.D (-2220) (-)

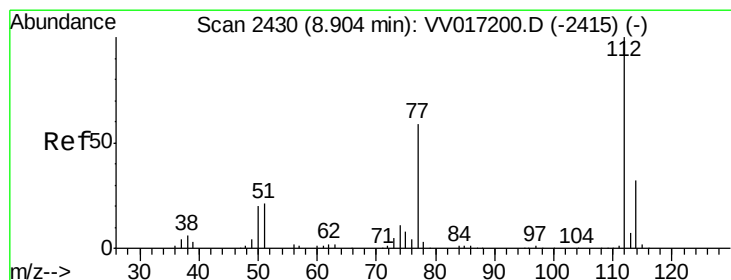
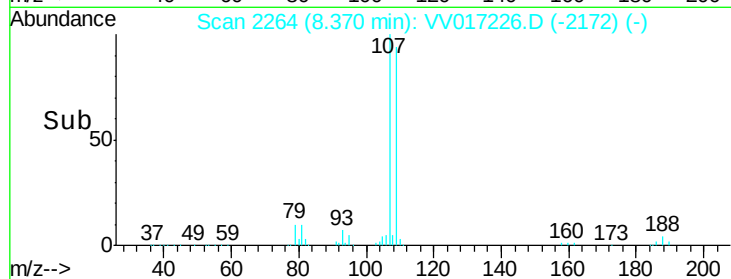
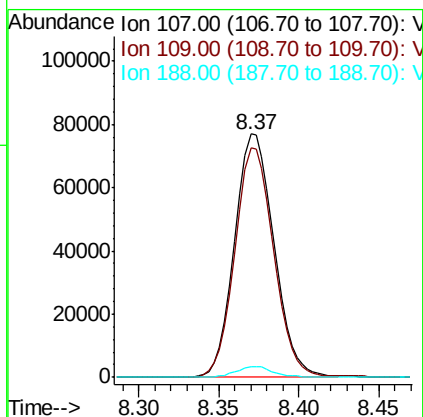
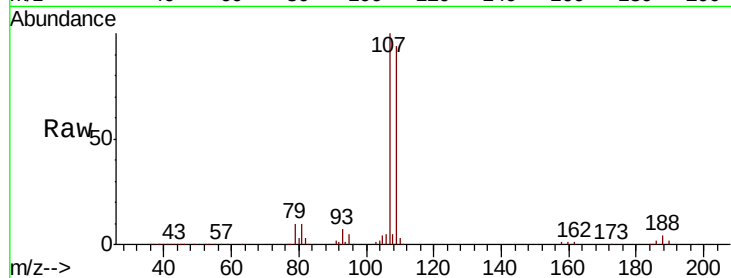




#50
1,2-Dibromoethane
Concen: 47.301 ug/L
RT: 8.37 min Scan# 2264
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

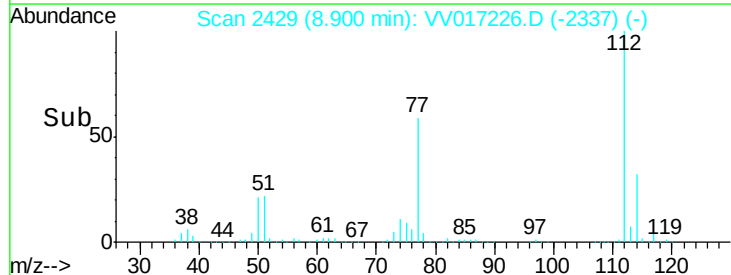
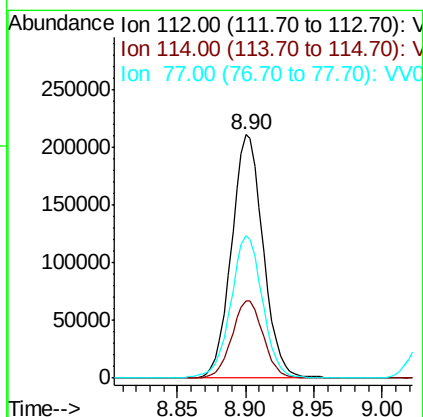
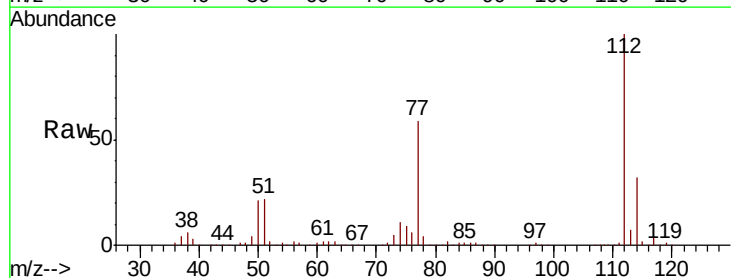
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

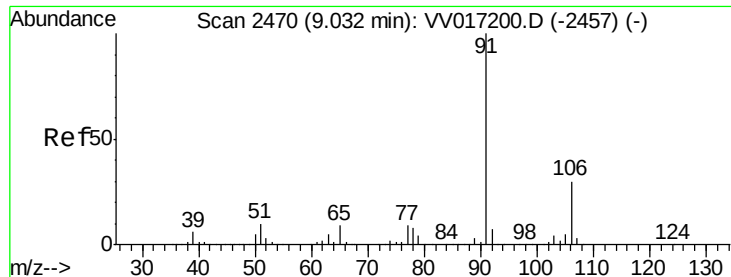
Tot Ion	Ratio	Lower	Upper
107	100		
109	94.0	66.4	123.2
188	4.3	3.1	4.7



#51
Chlorobenzene
Concen: 47.403 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. -0.00 min
Lab File: VV017226.D
Acq: 29 Jun 2020 09:17

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.3	41.3
77	58.6	47.9	71.9





#52

Ethylbenzene

Concen: 48.185 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

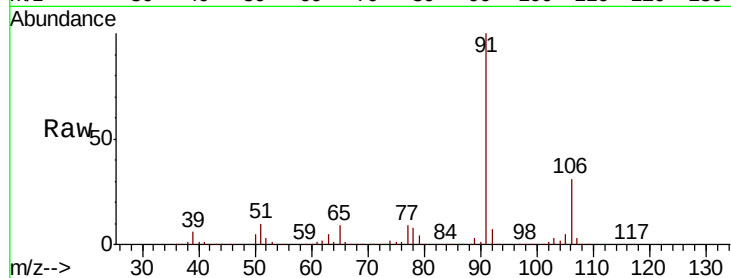
VSTD05073

Tot Ion: 91 Resp: 586417

Ion Ratio Lower Upper

91 100

106 30.7 21.1 39.1



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 106.00 (105.70 to 106.70): V

9.03

400000

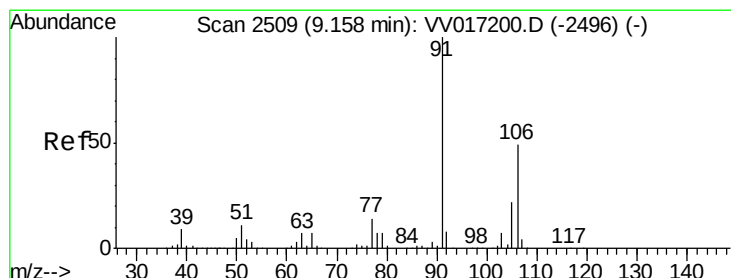
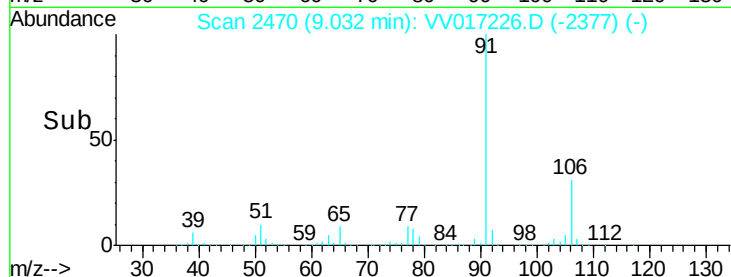
300000

200000

100000

0

Time-->



#53

m,p-Xylene

Concen: 49.062 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV017226.D

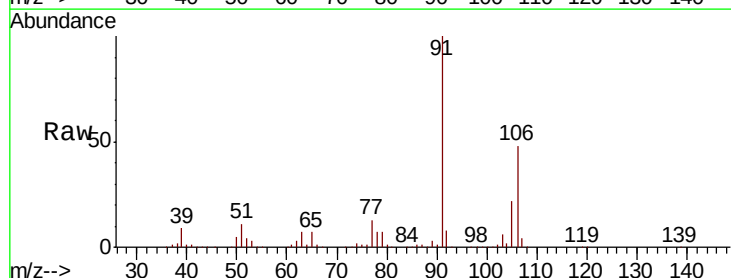
Acq: 29 Jun 2020 09:17

Tgt Ion: 106 Resp: 222316

Ion Ratio Lower Upper

106 100

91 207.0 144.6 268.6



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0

9.16

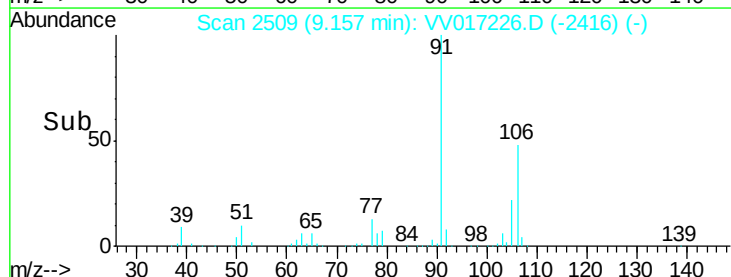
300000

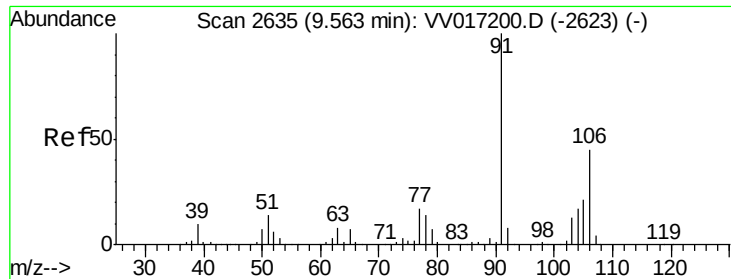
200000

100000

0

Time-->





#54

o-xylene

Concen: 49.017 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

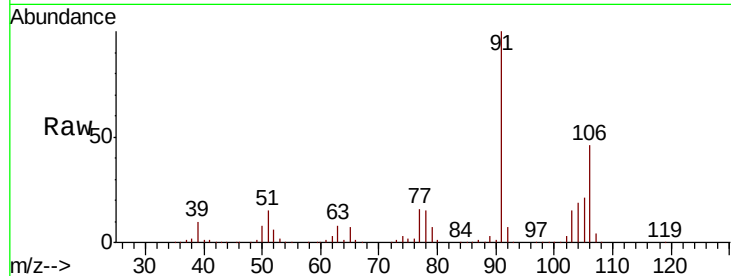
VSTD05073

Tot Ion:106 Resp: 219055

Ion Ratio Lower Upper

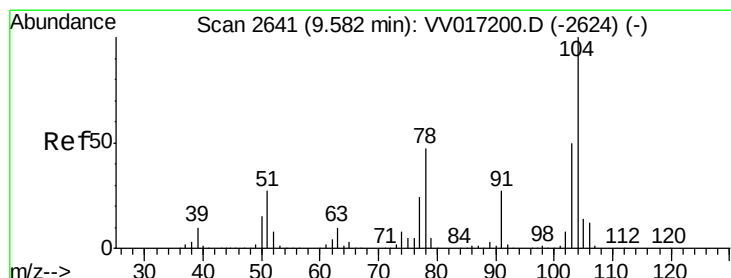
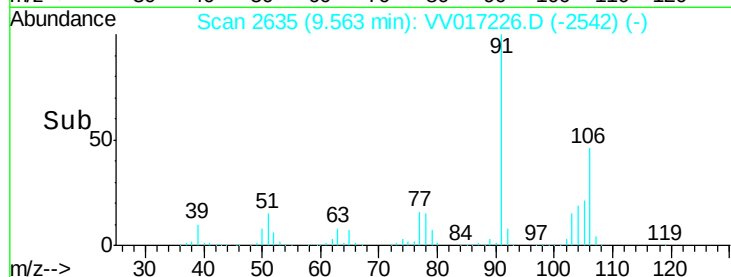
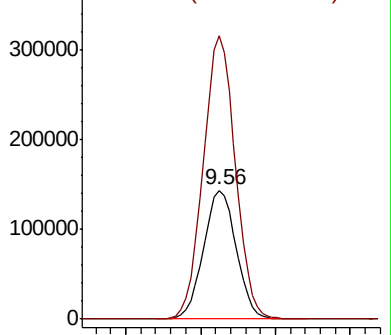
106 100

91 219.6 155.9 289.5



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 49.038 ug/L

RT: 9.58 min Scan# 2640

Delta R.T. -0.00 min

Lab File: VV017226.D

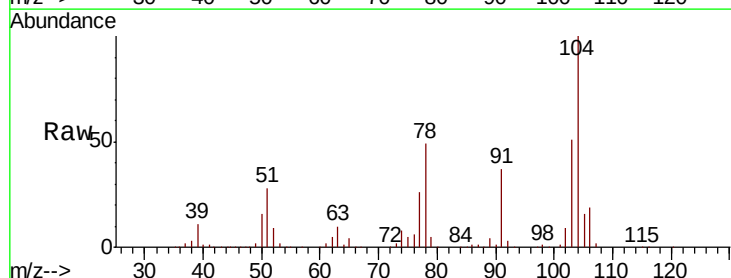
Acq: 29 Jun 2020 09:17

Tgt Ion:104 Resp: 370519

Ion Ratio Lower Upper

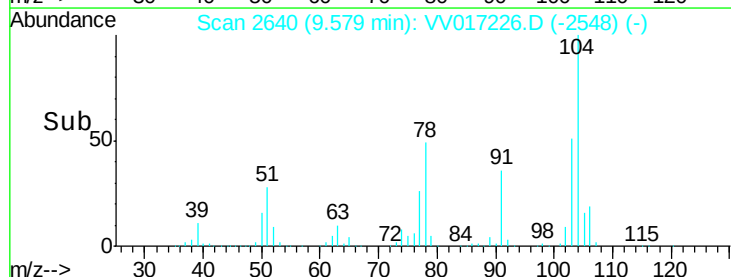
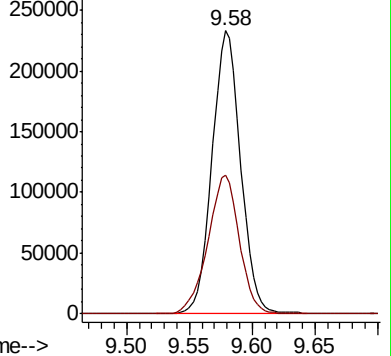
104 100

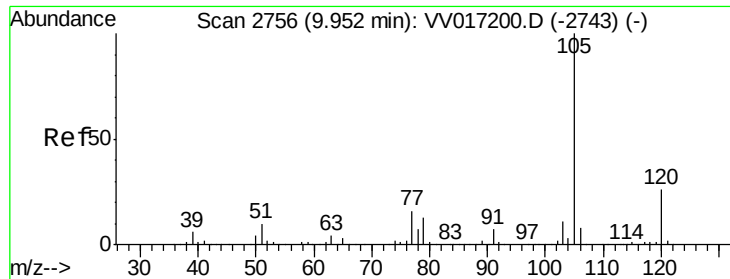
78 49.2 32.6 60.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 49.562 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampled :

VSTD05073

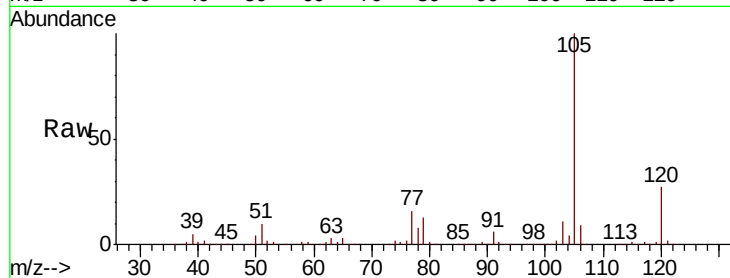
Tot Ion:105 Resp: 595145

Ion Ratio Lower Upper

105 100

120 26.4 21.2 31.8

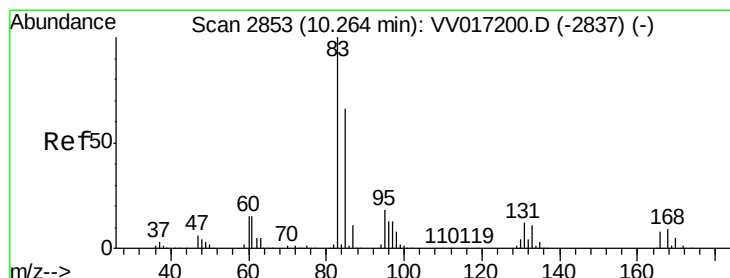
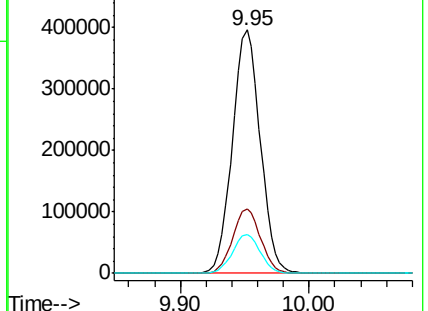
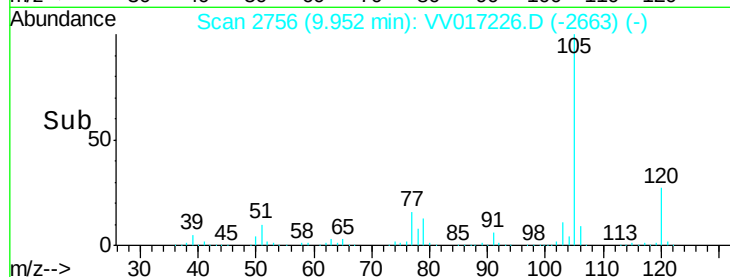
77 16.0 13.0 19.4



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: 44.884 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

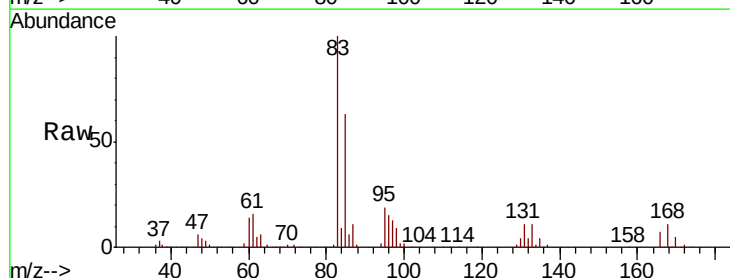
Tgt Ion: 83 Resp: 179957

Ion Ratio Lower Upper

83 100

85 62.7 46.8 86.8

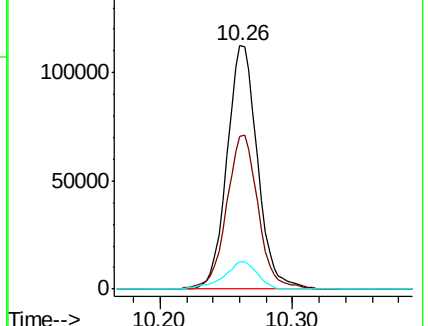
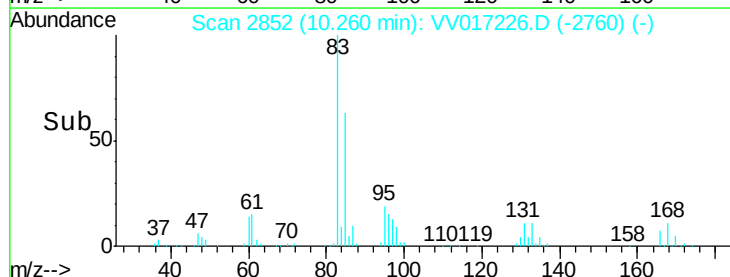
131 11.2 7.9 11.9

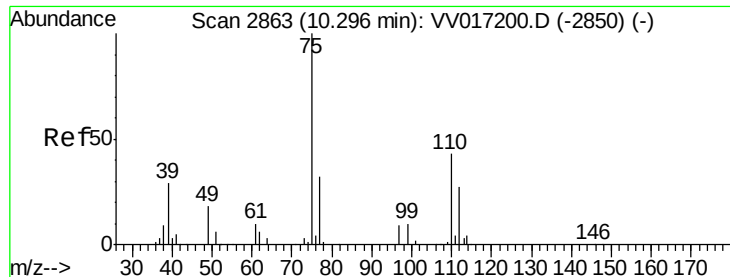


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 45.229 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

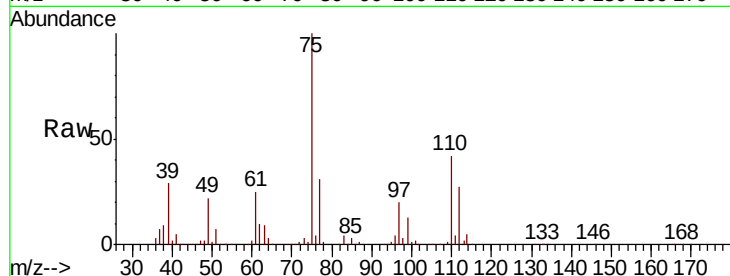
VSTD05073

Tot Ion: 75 Resp: 152106

Ion Ratio Lower Upper

75 100

77 32.2 26.1 39.1



Abundance Ion 75.00 (74.70 to 75.70): VV017200.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV017200.D (-2850) (-)

10.30

80000

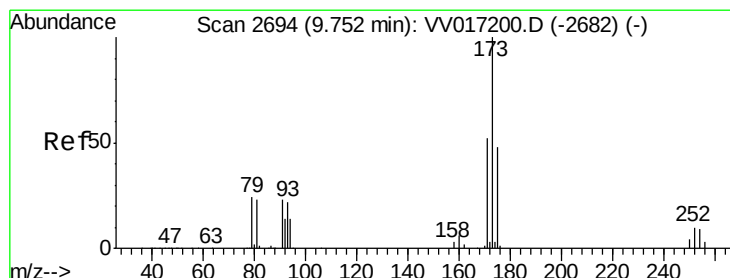
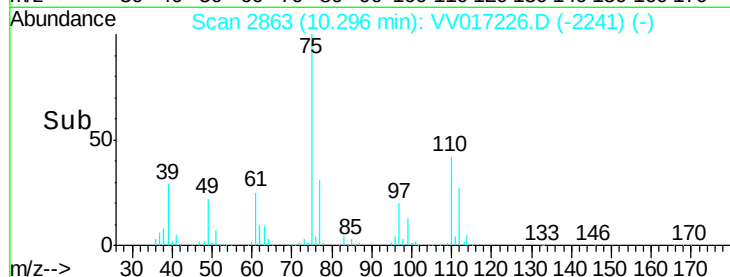
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 54.784 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

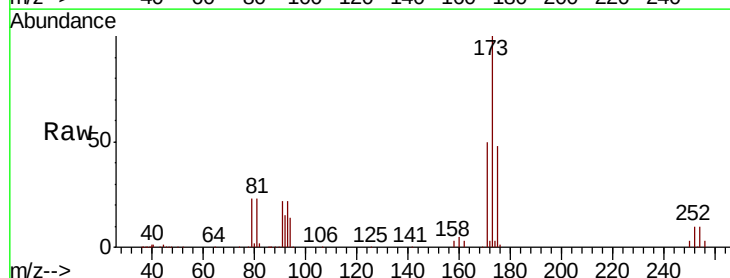
Tgt Ion: 173 Resp: 108159

Ion Ratio Lower Upper

173 100

175 48.5 39.0 58.4

254 9.6 7.6 11.4



Abundance Ion 173.00 (172.70 to 173.70): VV017200.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV017200.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV017200.D (-2682) (-)

9.75

80000

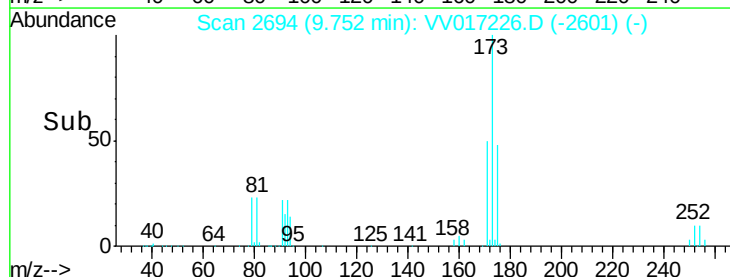
60000

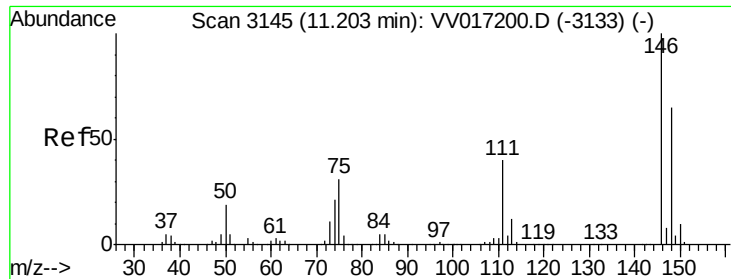
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 47.027 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

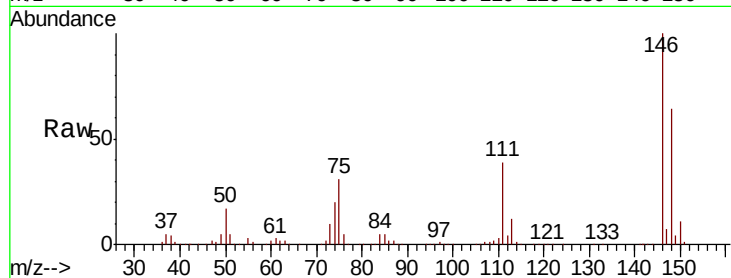
Tot Ion:146 Resp: 285898

Ion Ratio Lower Upper

146 100

111 38.9 28.3 52.7

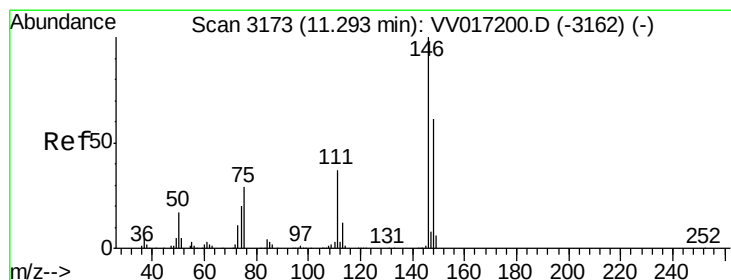
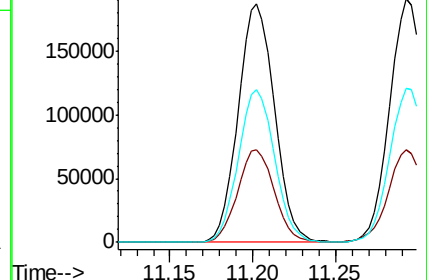
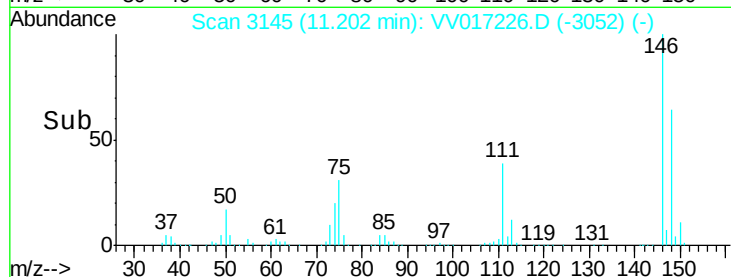
148 64.1 44.2 82.2



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 46.259 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

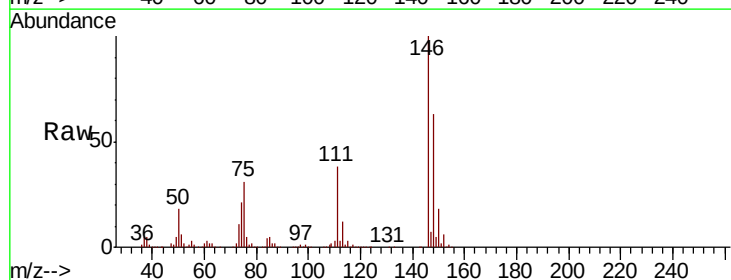
Tgt Ion:146 Resp: 286136

Ion Ratio Lower Upper

146 100

111 38.2 26.7 49.7

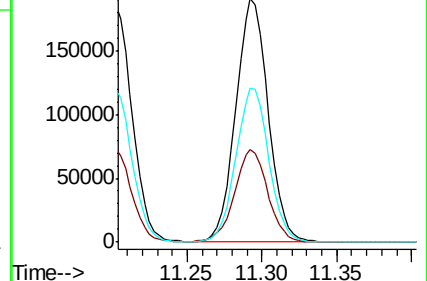
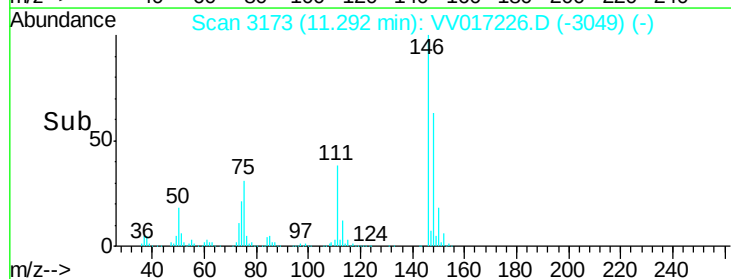
148 63.2 43.5 80.9

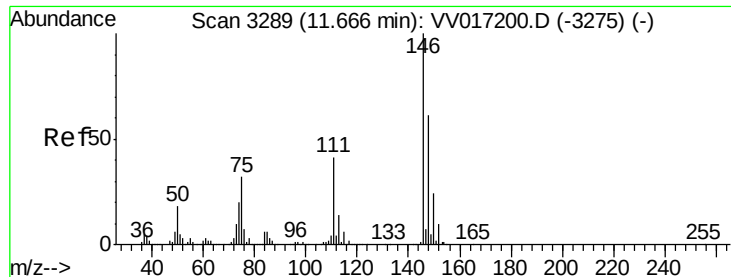


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

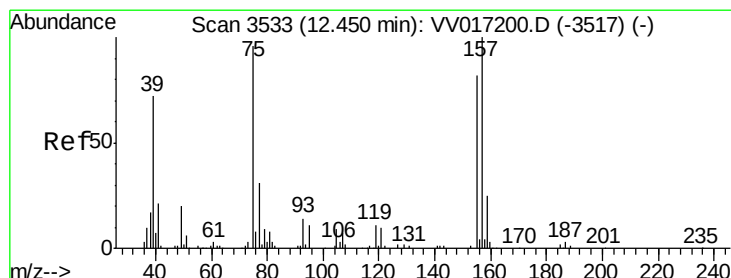
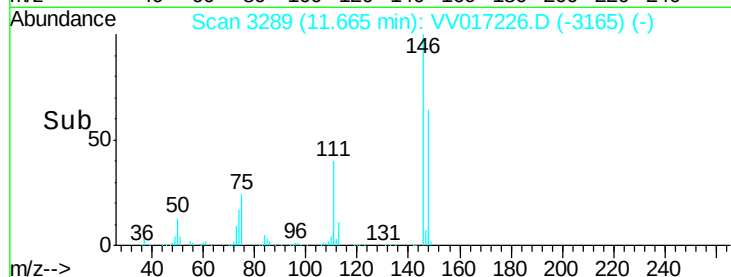
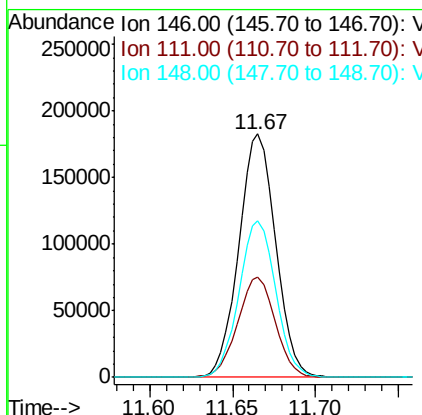
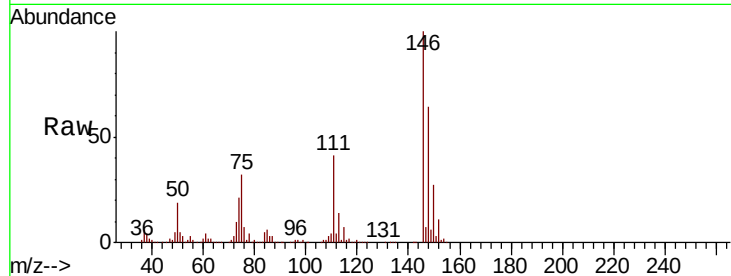




#65
 1,2-Dichlorobenzene
 Concen: 46.460 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

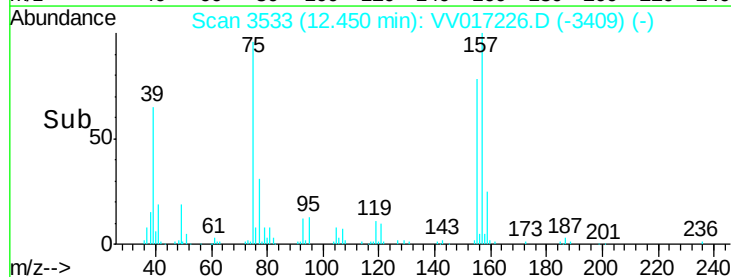
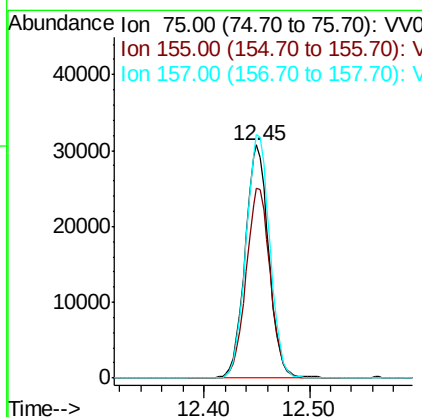
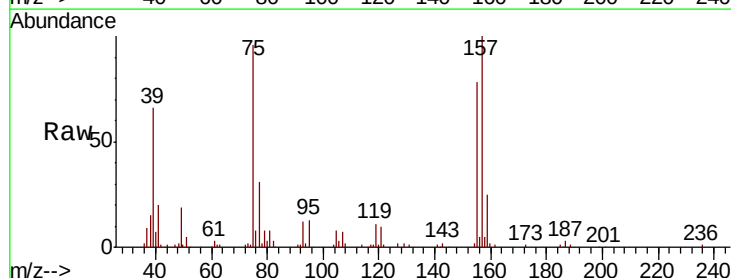
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

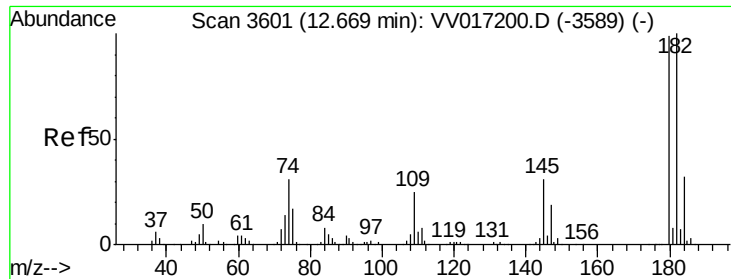
Tot Ion:146 Resp: 283054
 Ion Ratio Lower Upper
 146 100
 111 41.4 33.7 50.5
 148 64.1 50.7 76.1



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.840 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion: 75 Resp: 47745
 Ion Ratio Lower Upper
 75 100
 155 81.7 69.8 104.6
 157 104.5 83.4 125.2

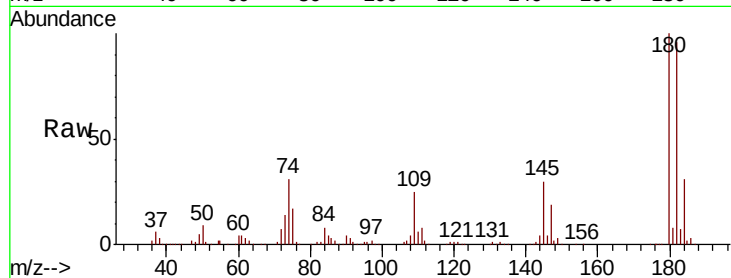




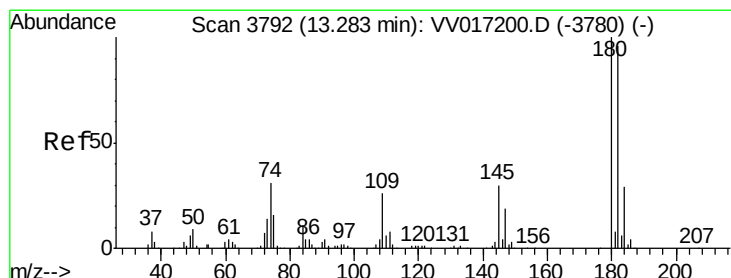
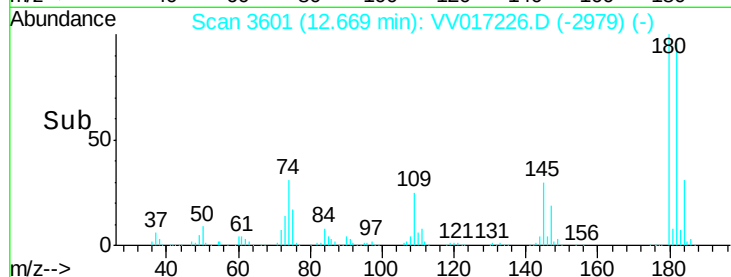
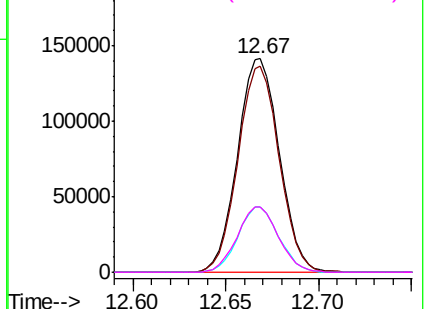
#67
 1,3,5-Trichlorobenzene
 Concen: 48.803 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tot Ion:180 Resp: 221240
 Ion Ratio Lower Upper
 180 100
 182 94.9 75.0 112.6
 184 29.8 24.5 36.7
 145 29.9 24.4 36.6

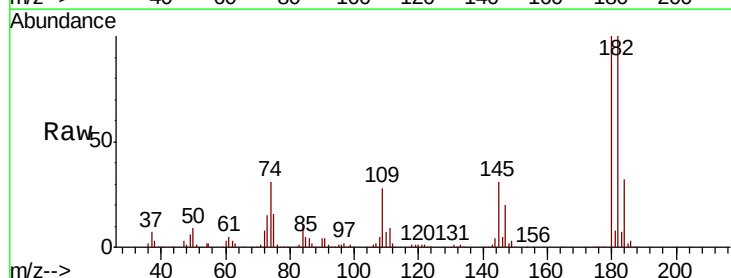


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

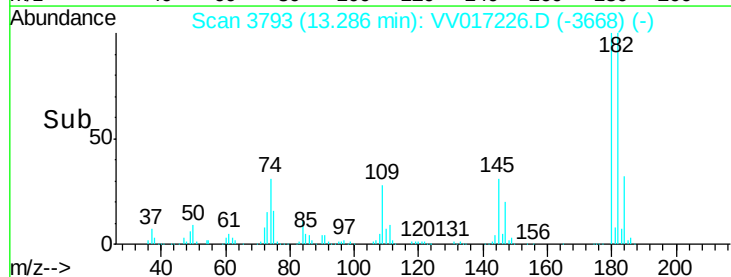
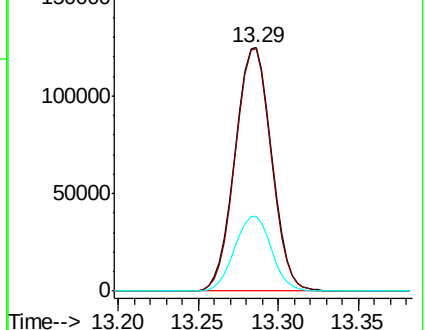


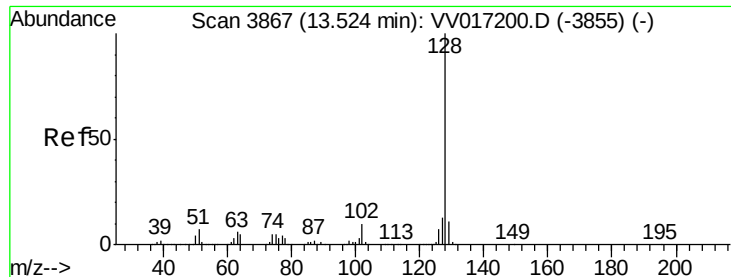
#68
 1,2,4-trichlorobenzene
 Concen: 46.830 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV017226.D
 Acq: 29 Jun 2020 09:17

Tgt Ion:180 Resp: 194726
 Ion Ratio Lower Upper
 180 100
 182 97.7 76.9 115.3
 145 30.7 25.2 37.8



Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 49.842 ug/L

RT: 13.52 min Scan# 3867

Delta R.T. -0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

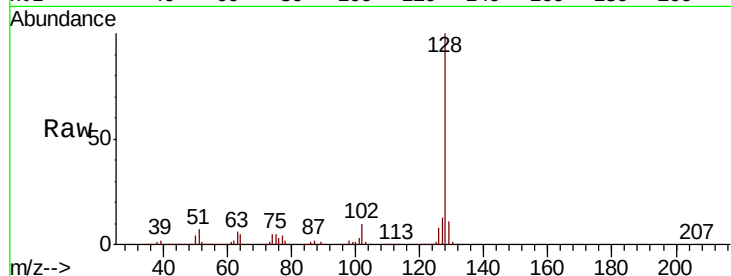
Tot Ion:128 Resp: 596152

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

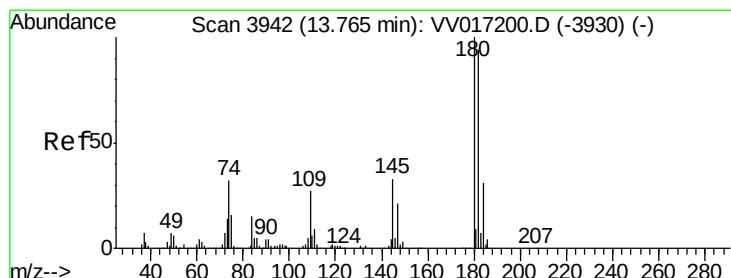
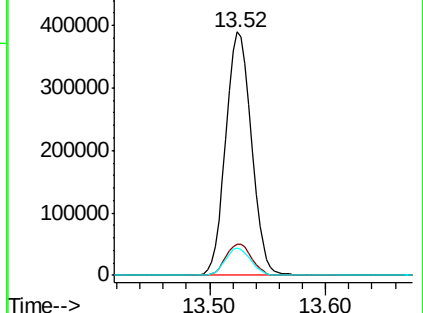
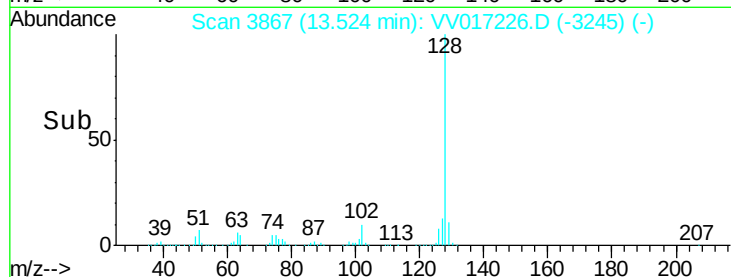
129 11.1 8.7 13.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 50.258 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV017226.D

Acq: 29 Jun 2020 09:17

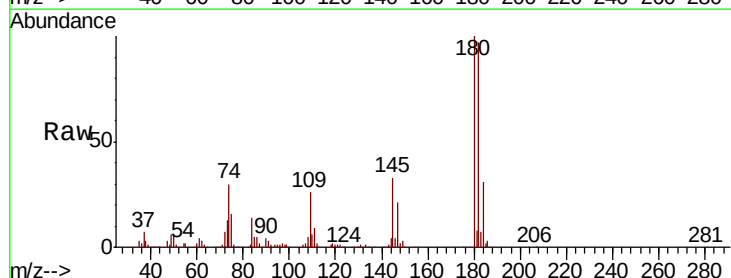
Tgt Ion:180 Resp: 204477

Ion Ratio Lower Upper

180 100

182 95.5 76.5 114.7

145 31.7 26.1 39.1



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

