

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092920\
 Data File : VV018509.D
 Acq On : 29 Sep 2020 11:53
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Quant Time: Sep 30 01:18:06 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092920WMA.M
 Quant Title : VOC Analysis
 QLast Update : Wed Sep 30 01:16:44 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	370084	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	356869	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.27	152	197405	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	20708	6.87	ug/L	0.00
7) Chloroethane-d5	1.58	69	16782	6.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	42483	7.68	ug/L	0.00
21) 2-Butanone-d5	3.93	46	27653	14.98	ug/L	0.00
24) Chloroform-d	4.38	84	43731	8.36	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	27571	8.22	ug/L	0.00
32) Benzene-d6	5.07	84	84649	8.29	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	25167	7.75	ug/L	0.00
41) Toluene-d8	7.34	98	78433	8.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	12816	7.77	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	15103	12.28	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.24	84	32483	7.97	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.65	152	36413	8.98	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	25273	9.365 ug/L	100
3) Chloromethane	1.25	50	27354	9.283 ug/L	98
5) Vinyl chloride	1.32	62	28659	9.484 ug/L	99
6) Bromomethane	1.53	94	18784	10.170 ug/L	100
8) Chloroethane	1.60	64	17943	9.479 ug/L	99
9) Trichlorofluoromethane	1.76	101	44352	10.668 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	24845	9.949 ug/L	98
12) 1,1-Dichloroethene	2.13	96	23631	9.725 ug/L	95
13) Acetone	2.20	43	26566	17.971 ug/L	100
14) Carbon disulfide	2.31	76	72773	9.787 ug/L	100
15) Methyl Acetate	2.45	43	25573	9.626 ug/L	100
16) Methylene chloride	2.52	84	27086	9.939 ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	26572	10.611 ug/L	96
18) Methyl tert-butyl Ether	2.78	73	78010	10.070 ug/L	99
19) 1,1-Dichloroethane	3.21	63	44551	9.409 ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	26755	9.994 ug/L	92
22) 2-Butanone	4.01	43	25247	14.423 ug/L	95
23) Bromochloromethane	4.28	128	15393	10.990 ug/L	96
25) Chloroform	4.40	83	46686	9.700 ug/L	99
27) 1,2-Dichloroethane	5.16	62	35725	9.588 ug/L	99
29) Cyclohexane	4.70	56	39137	9.497 ug/L	99
30) 1,1,1-Trichloroethane	4.63	97	42884	10.354 ug/L	100
31) Carbon tetrachloride	4.85	117	37970	10.426 ug/L	99
33) Benzene	5.13	78	103143	10.109 ug/L	100
34) Trichloroethene	5.94	95	31502	11.334 ug/L	97
35) Methylcyclohexane	6.15	83	39419	9.419 ug/L	100
37) 1,2-Dichloropropane	6.20	63	26110	9.657 ug/L	99
38) Bromodichloromethane	6.53	83	34903	9.920 ug/L	98
39) cis-1,3-Dichloropropene	7.05	75	39205	9.411 ug/L	94
40) 4-Methyl-2-pentanone	7.25	43	64473	19.656 ug/L	98

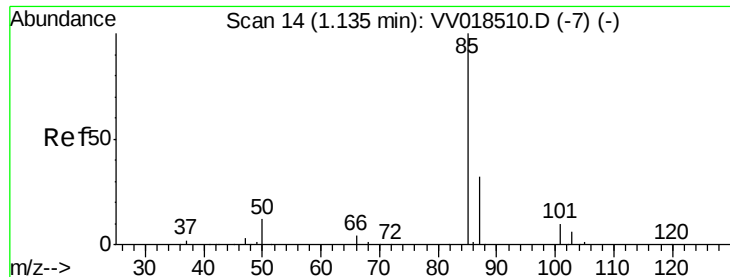
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	110815	10.263	ug/L	99
44) trans-1,3-Dichloropropene	7.67	75	37631	9.278	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	25871	10.323	ug/L	97
46) Tetrachloroethene	8.00	164	24632	11.303	ug/L	98
48) 2-Hexanone	8.16	43	49095	18.985	ug/L	97
49) Dibromochloromethane	8.27	129	28332	10.072	ug/L	96
50) 1,2-Dibromoethane	8.37	107	27545	10.444	ug/L	98
51) Chlorobenzene	8.90	112	75875	10.820	ug/L	97
52) Ethylbenzene	9.03	91	120365	10.210	ug/L	100
53) m,p-Xylene	9.16	106	46815	10.639	ug/L	94
54) o-xylene	9.56	106	44188	10.424	ug/L	97
55) Styrene	9.58	104	75456	10.241	ug/L	99
56) Isopropylbenzene	9.95	105	120388	10.538	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.26	83	35182	9.491	ug/L	99
59) 1,2,3-Trichloropropane	10.30	75	31444	9.888	ug/L	100
61) Bromoform	9.75	173	20995	9.900	ug/L	96
62) 1,3-Dichlorobenzene	11.20	146	62663	10.675	ug/L	98
63) 1,4-Dichlorobenzene	11.29	146	66277	10.985	ug/L	98
65) 1,2-Dichlorobenzene	11.67	146	62020	10.453	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.45	75	7216	8.619	ug/L	91
67) 1,3,5-Trichlorobenzene	12.67	180	42567	9.198	ug/L	99
68) 1,2,4-trichlorobenzene	13.29	180	38126	9.252	ug/L	97
69) Naphthalene	13.53	128	97631	9.363	ug/L	100
70) 1,2,3-Trichlorobenzene	13.77	180	38454	9.474	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 9.365 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

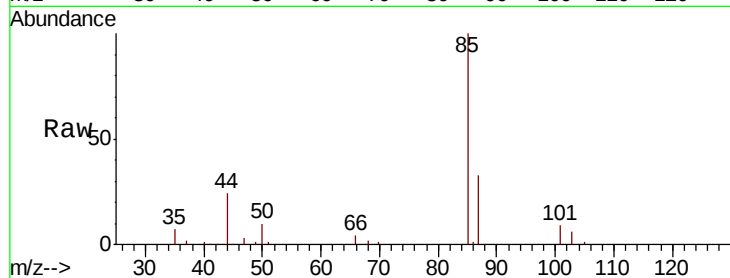
VSTD01066

Tot Ion: 85 Resp: 25273

Ion Ratio Lower Upper

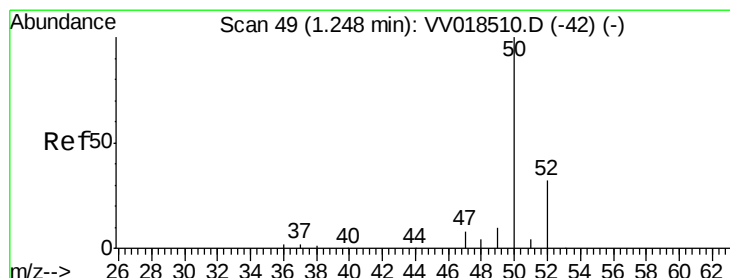
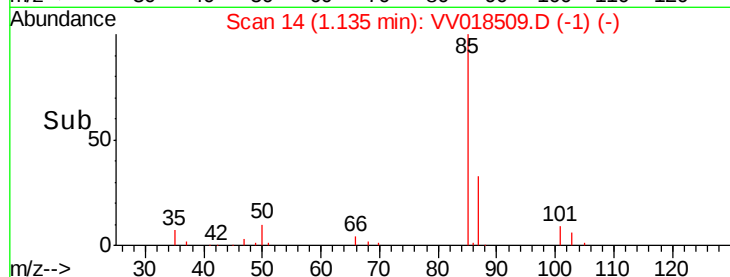
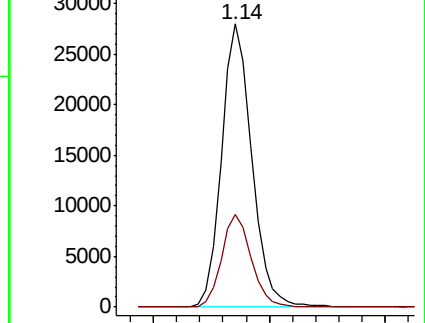
85 100

87 31.9 25.5 38.3



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 9.283 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018509.D

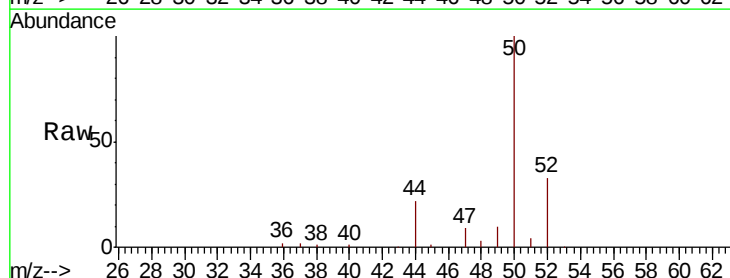
Acq: 29 Sep 2020 11:53

Tgt Ion: 50 Resp: 27354

Ion Ratio Lower Upper

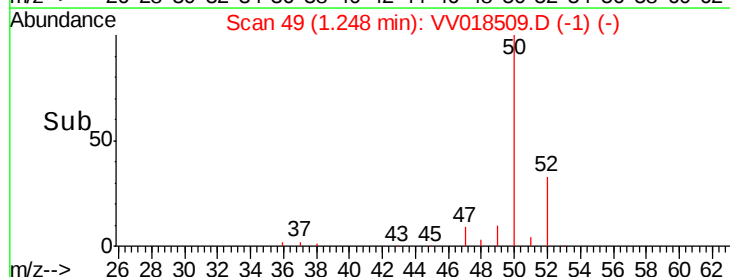
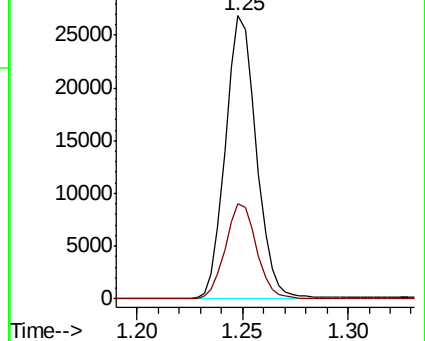
50 100

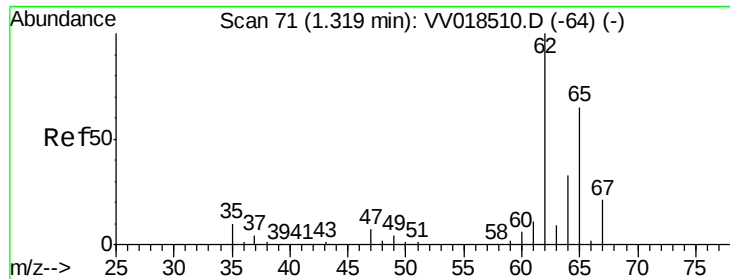
52 33.4 22.7 42.1



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 9.484 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

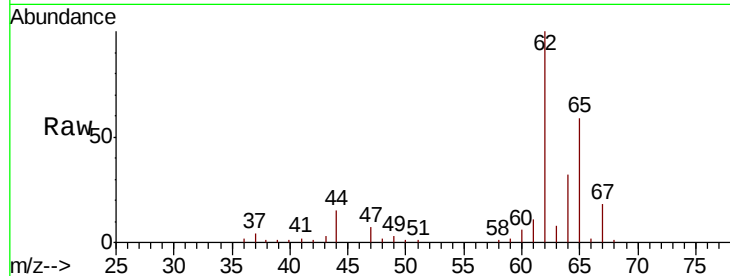
VSTD01066

Tot Ion: 62 Resp: 28659

Ion Ratio Lower Upper

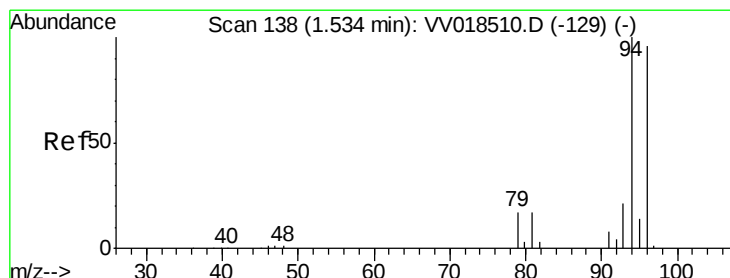
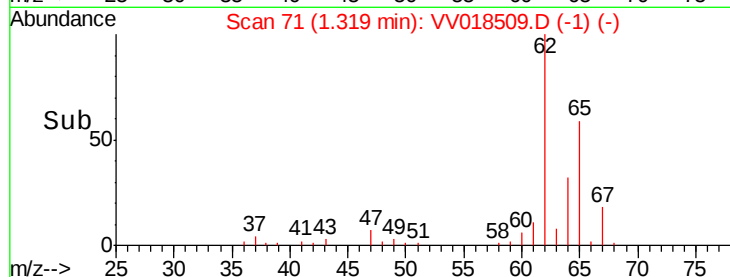
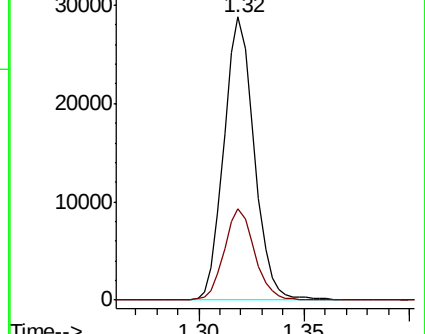
62 100

64 32.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 10.170 ug/L

RT: 1.53 min Scan# 137

Delta R.T. -0.00 min

Lab File: VV018509.D

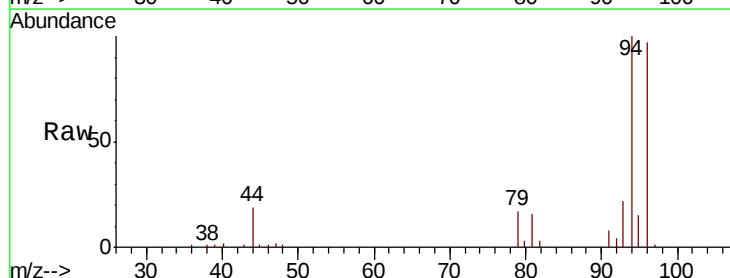
Acq: 29 Sep 2020 11:53

Tgt Ion: 94 Resp: 18784

Ion Ratio Lower Upper

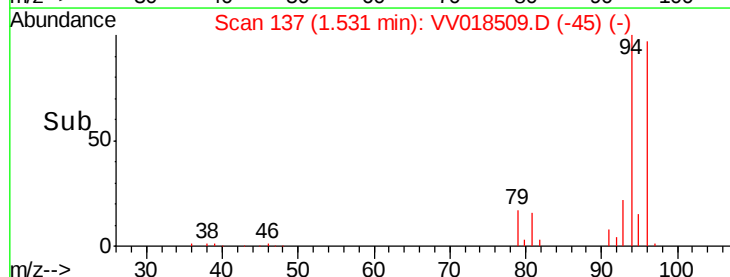
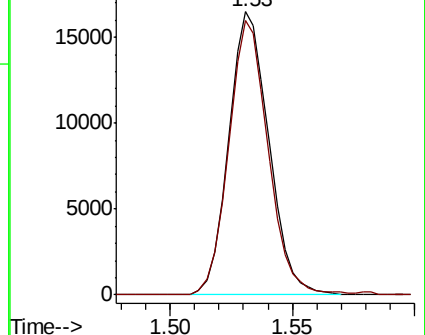
94 100

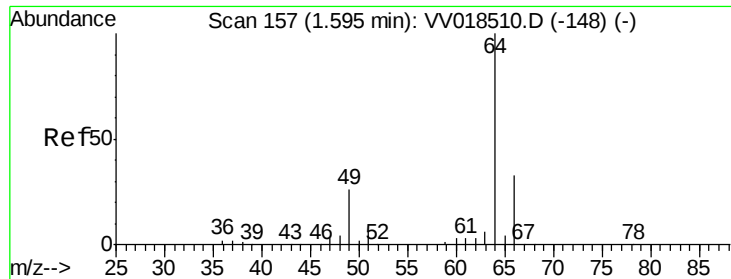
96 96.7 67.5 125.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

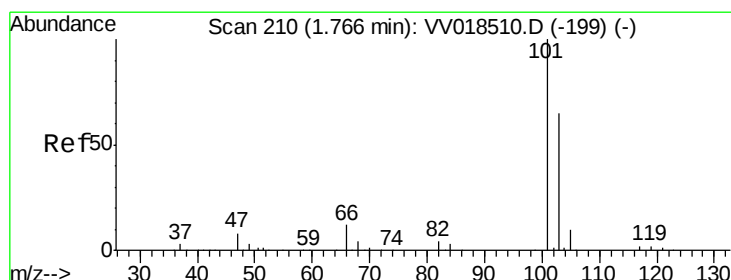
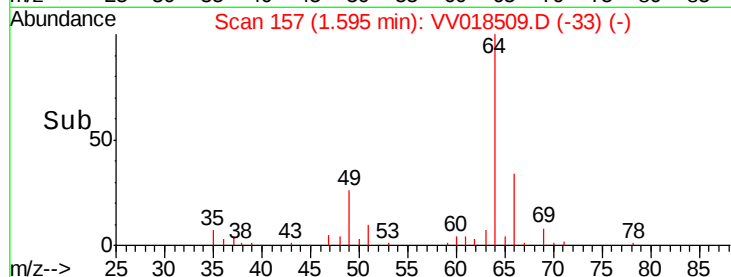
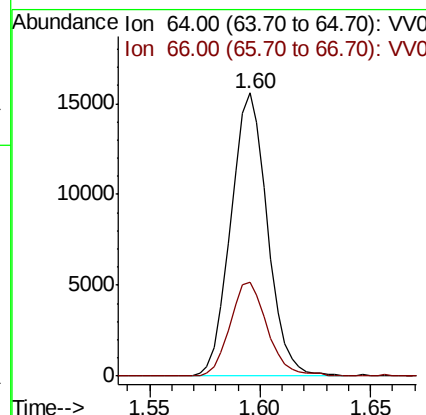
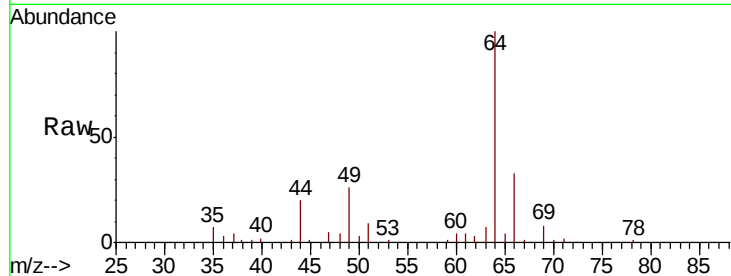




#8
Chloroethane
Concen: 9.479 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

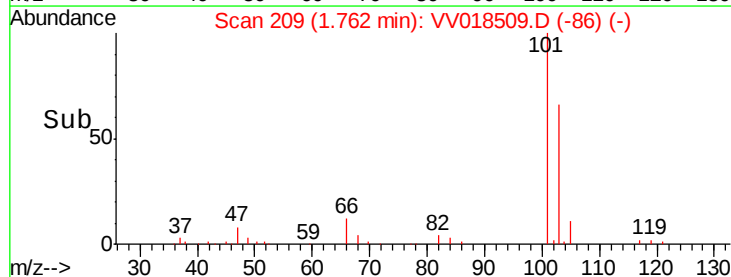
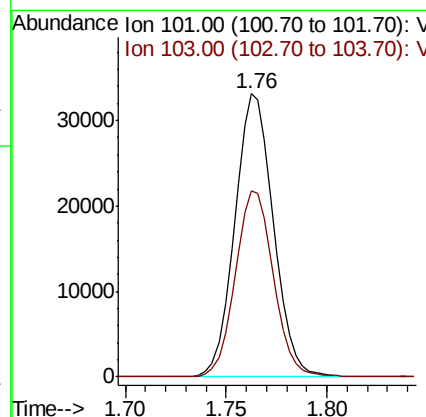
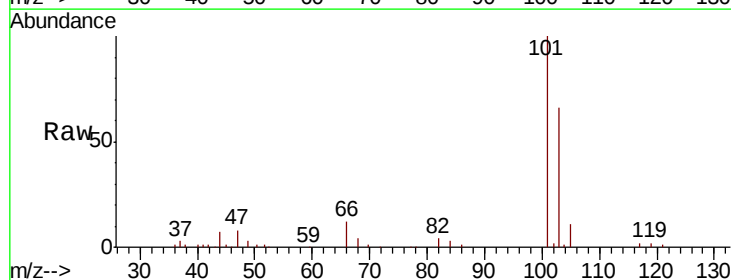
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

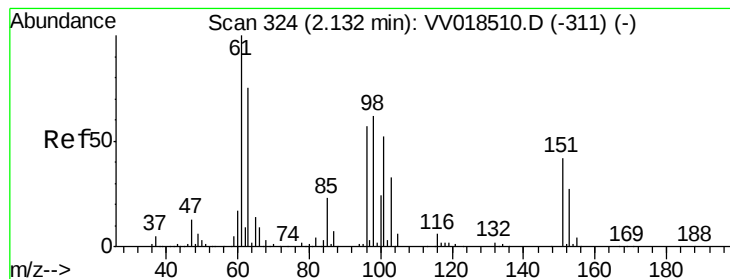
Tot Ion: 64 Resp: 17943
Ion Ratio Lower Upper
64 100
66 33.3 22.8 42.4



#9
Trichlorofluoromethane
Concen: 10.668 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

Tgt Ion:101 Resp: 44352
Ion Ratio Lower Upper
101 100
103 65.0 51.9 77.9





#10

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

Concen: 9.949 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

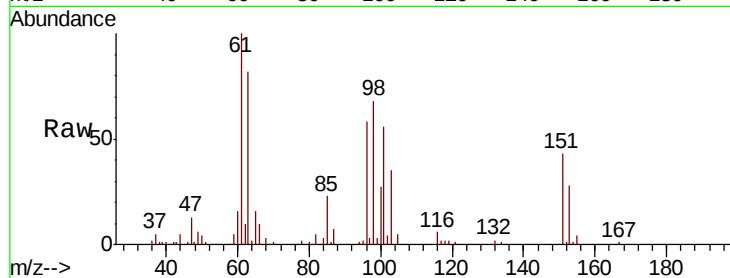
Tot Ion:101 Resp: 24845

Ion Ratio Lower Upper

101 100

85 41.7 34.6 52.0

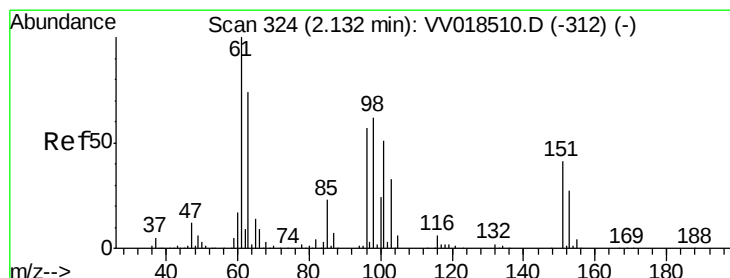
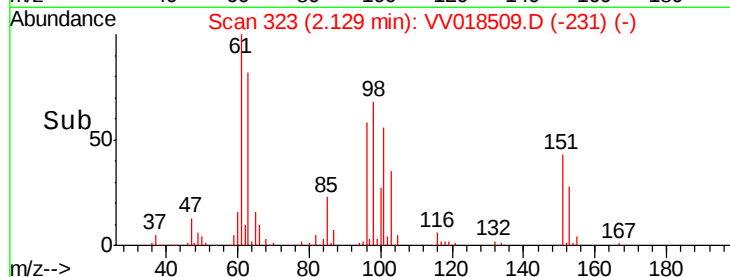
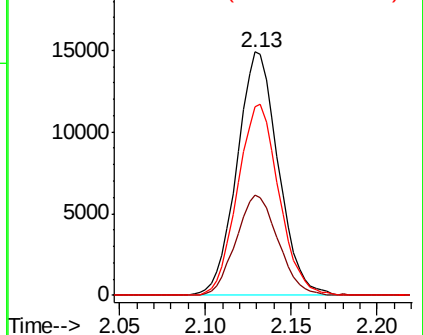
151 78.6 64.3 96.5



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: 9.725 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

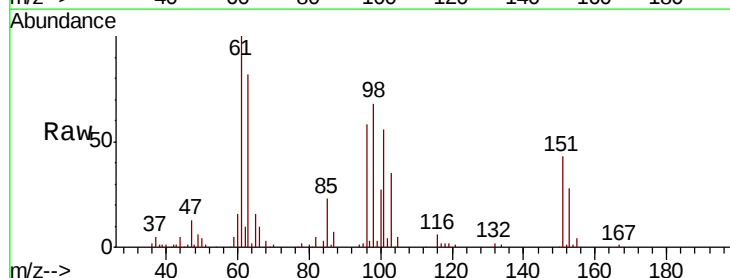
Tgt Ion: 96 Resp: 23631

Ion Ratio Lower Upper

96 100

61 173.4 122.8 228.1

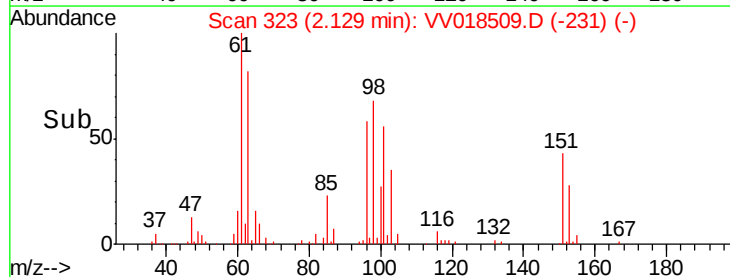
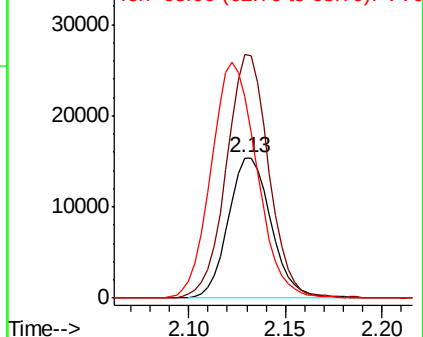
63 143.0 91.9 170.7

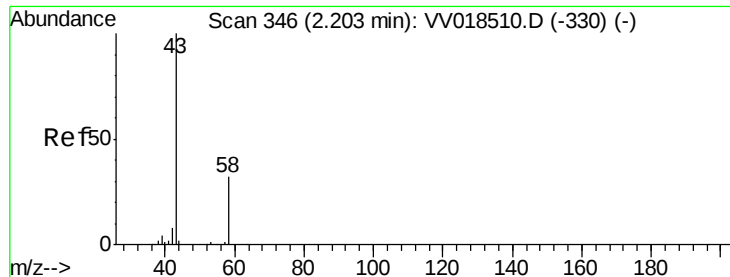


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 17.971 ug/L

RT: 2.20 min Scan# 344

Delta R.T. -0.01 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

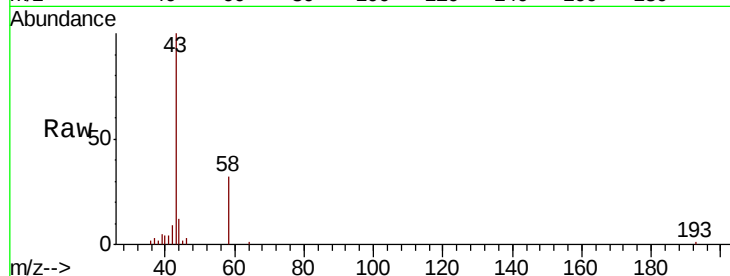
VSTD01066

Tot Ion: 43 Resp: 26566

Ion Ratio Lower Upper

43 100

58 31.8 0.0 64.0



Abundance Ion 43.00 (42.70 to 43.70): VV018510.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV018510.D (-330) (-)

2.20

10000

8000

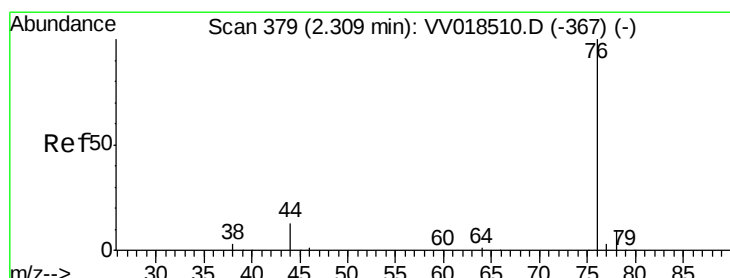
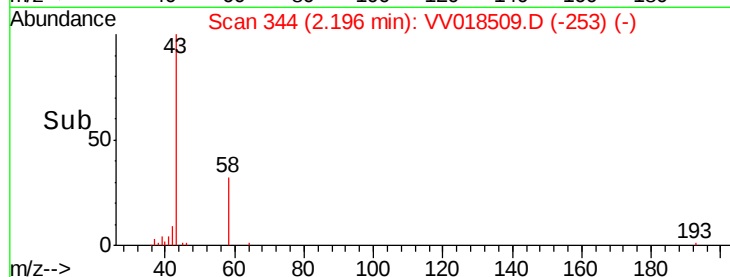
6000

4000

2000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 9.787 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018509.D

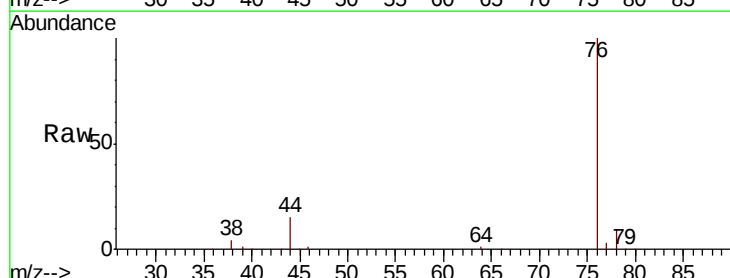
Acq: 29 Sep 2020 11:53

Tgt Ion: 76 Resp: 72773

Ion Ratio Lower Upper

76 100

78 9.0 7.1 10.7



Abundance Ion 76.00 (75.70 to 76.70): VV018510.D (-367) (-)

Ion 78.00 (77.70 to 78.70): VV018510.D (-367) (-)

2.31

50000

40000

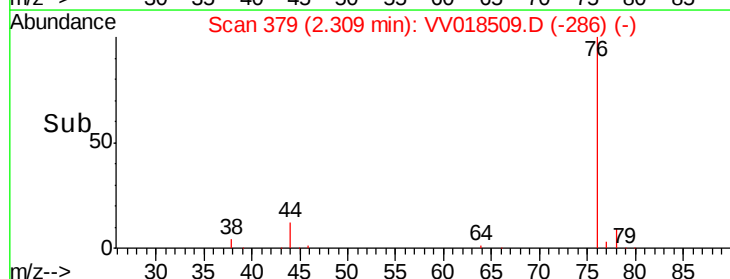
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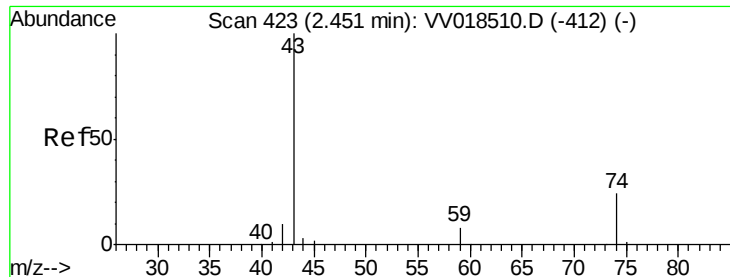
20000

10000

0

Time--> 2.25 2.30 2.35

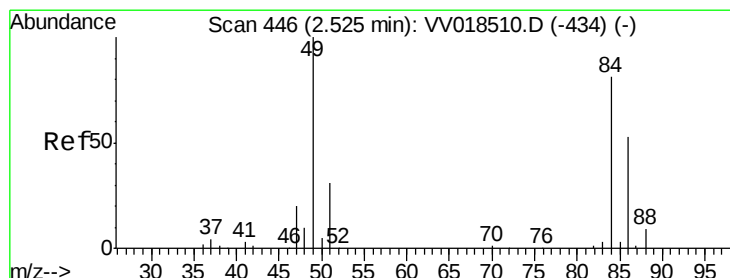
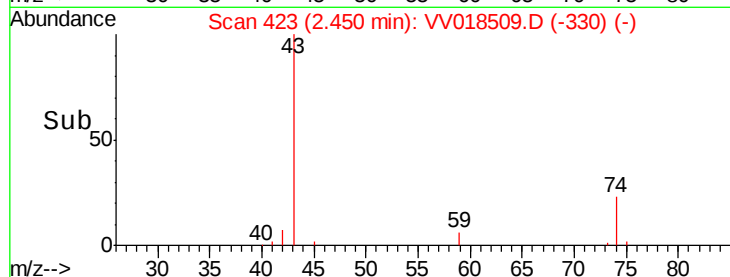
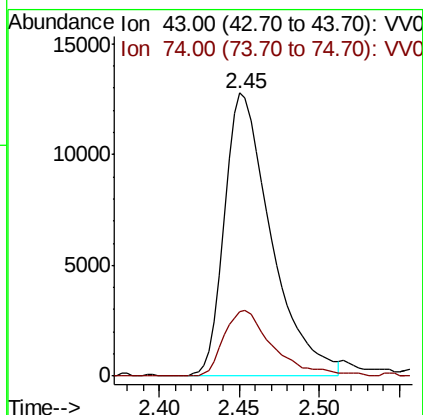
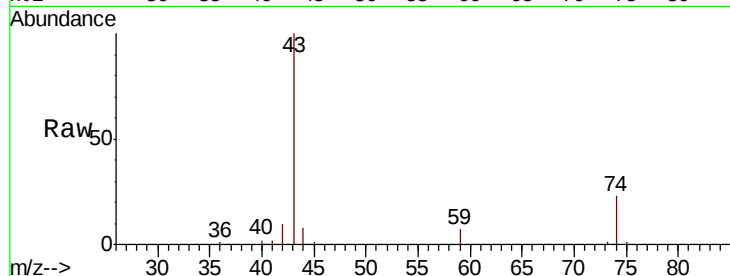




#15
Methyl Acetate
Concen: 9.626 ug/L
RT: 2.45 min Scan# 423
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

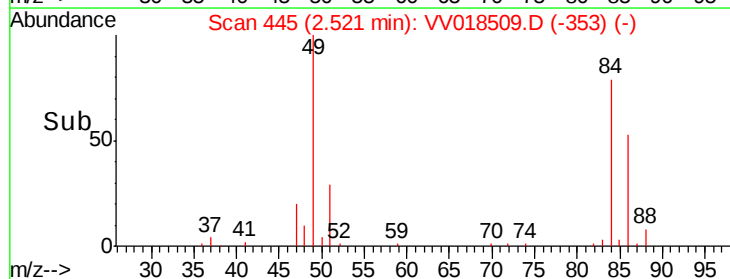
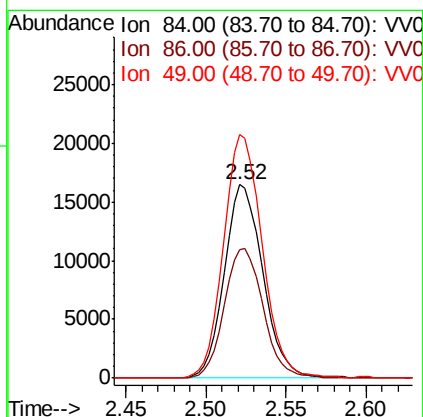
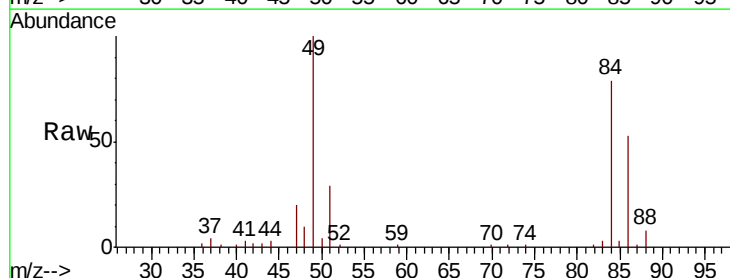
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

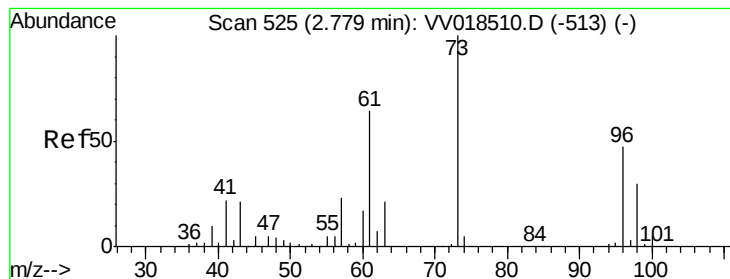
Tot Ion: 43 Resp: 25573
Ion Ratio Lower Upper
43 100
74 24.0 19.2 28.8



#16
Methylene chloride
Concen: 9.939 ug/L
RT: 2.52 min Scan# 445
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

Tgt Ion: 84 Resp: 27086
Ion Ratio Lower Upper
84 100
86 66.3 46.2 85.8
49 125.9 86.6 160.8





#17

trans-1,2-Dichloroethene

Concen: 10.611 ug/L

RT: 2.78 min Scan# 525

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampled :

VSTD01066

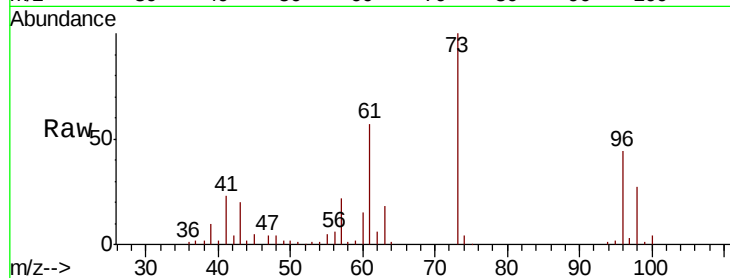
Tot Ion: 96 Resp: 26572

Ion Ratio Lower Upper

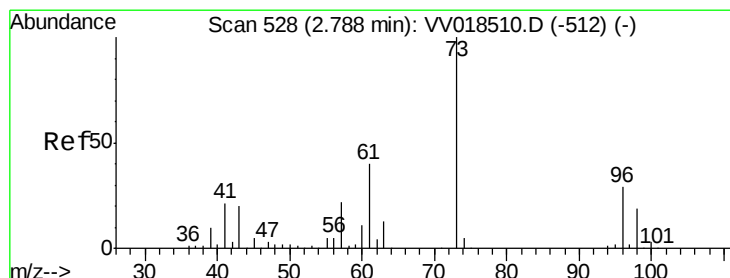
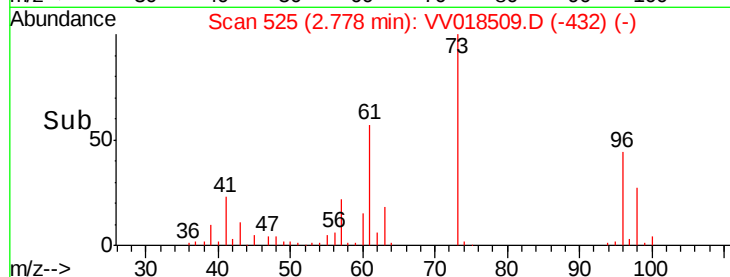
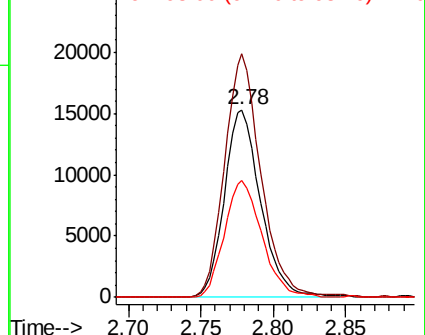
96 100

61 129.9 95.0 176.4

98 62.0 44.6 82.8



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



#18

Methyl tert-butyl Ether

Concen: 10.070 ug/L

RT: 2.78 min Scan# 526

Delta R.T. -0.01 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

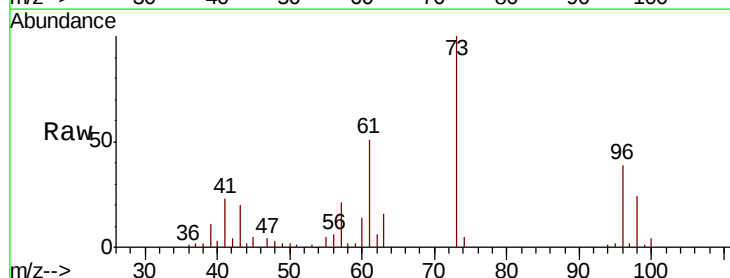
Tgt Ion: 73 Resp: 78010

Ion Ratio Lower Upper

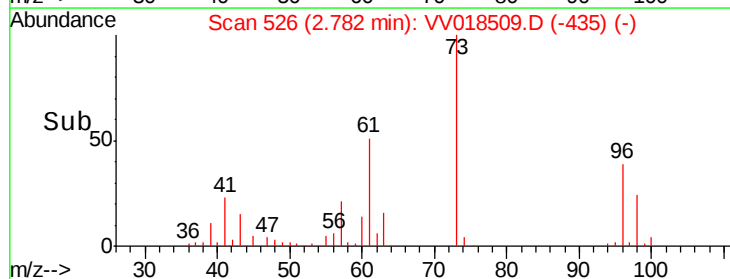
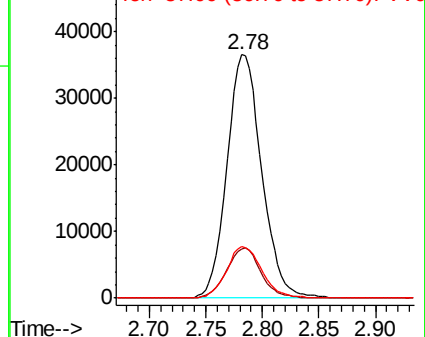
73 100

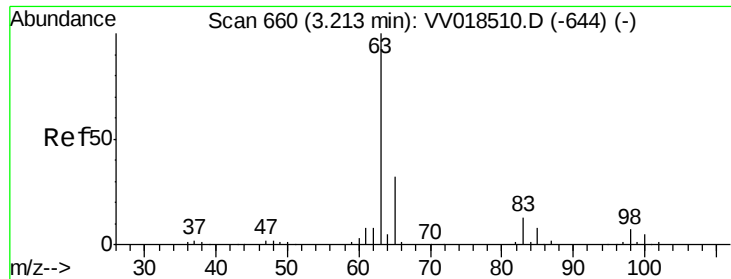
43 20.3 15.9 23.9

57 21.5 17.5 26.3



Abundance Ion 73.00 (72.70 to 73.70): VV0
Ion 43.00 (42.70 to 43.70): VV0
Ion 57.00 (56.70 to 57.70): VV0

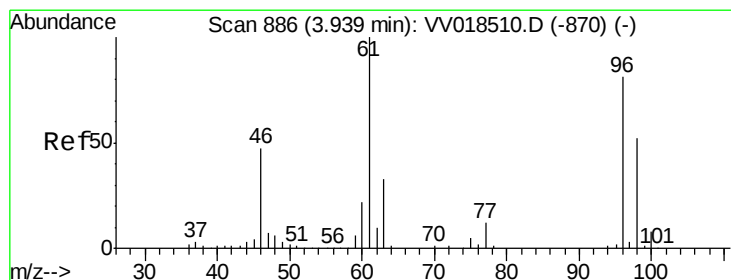
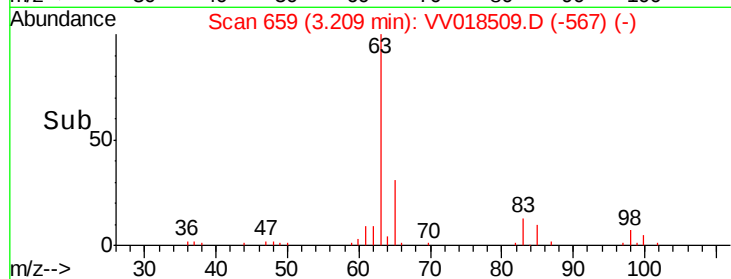
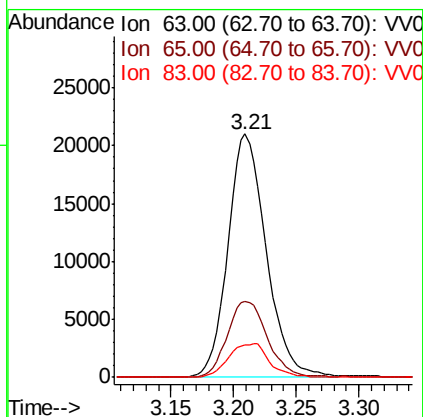
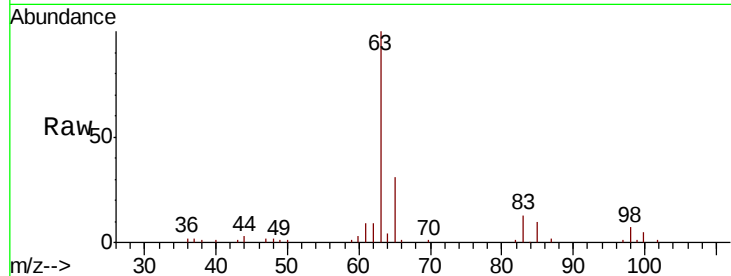




#19
 1,1-Dichloroethane
 Concen: 9.409 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

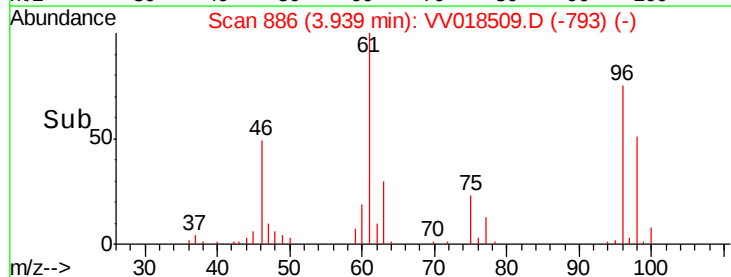
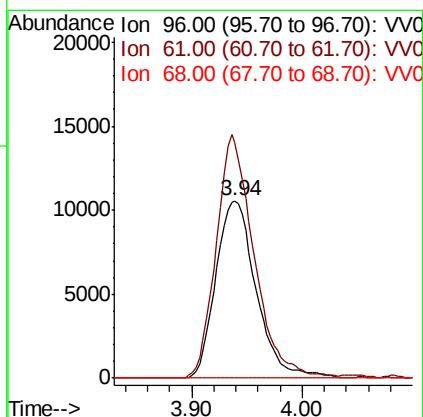
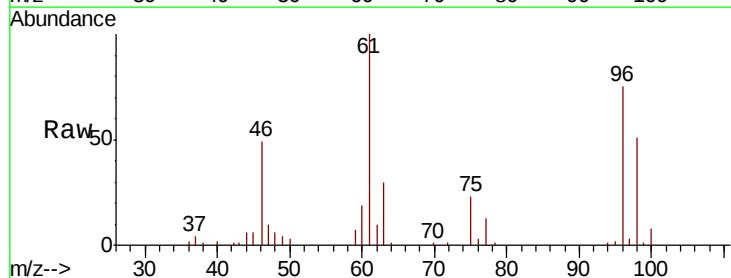
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD01066

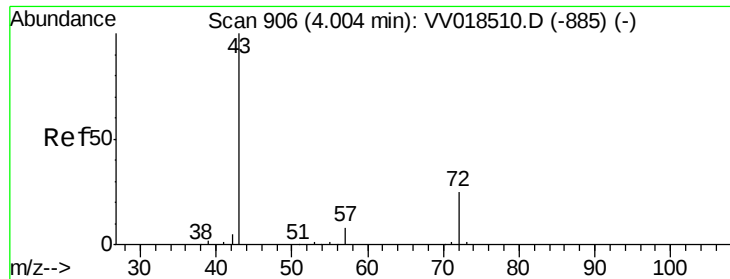
Tot Ion: 63 Resp: 44551
 Ion Ratio Lower Upper
 63 100
 65 31.3 22.3 41.3
 83 13.2 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 9.994 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Tgt Ion: 96 Resp: 26755
 Ion Ratio Lower Upper
 96 100
 61 133.2 86.8 161.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 14.423 ug/L

RT: 4.01 min Scan# 908

Delta R.T. 0.01 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

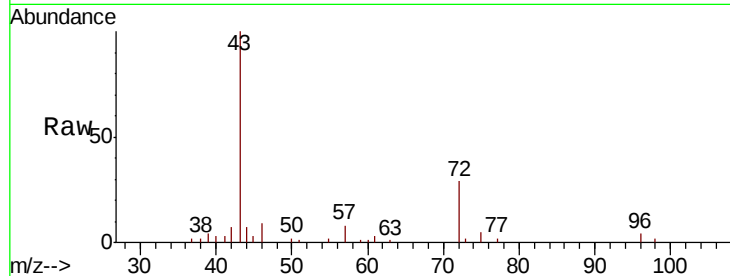
VSTD01066

Tot Ion: 43 Resp: 25247

Ion Ratio Lower Upper

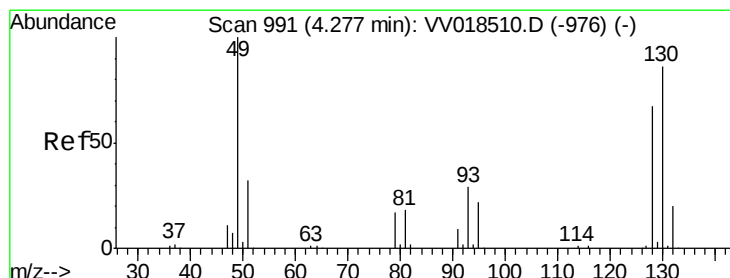
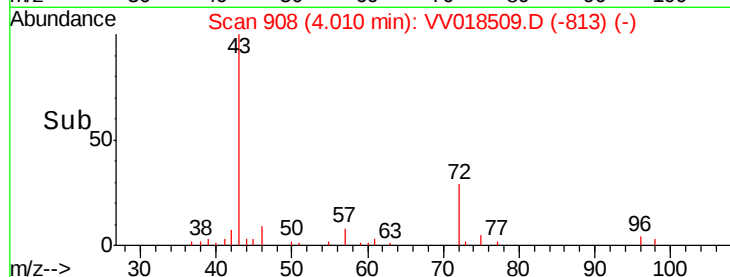
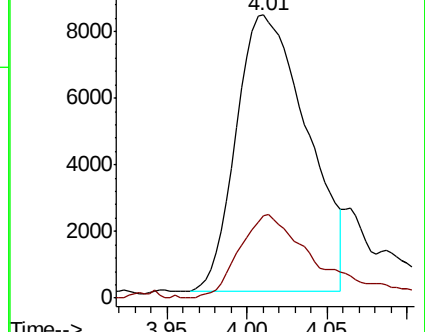
43 100

72 26.4 12.1 36.3



Abundance Ion 43.00 (42.70 to 43.70): VV018510.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018510.D (-885) (-)



#23

Bromochloromethane

Concen: 10.990 ug/L

RT: 4.28 min Scan# 991

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Tgt Ion: 128 Resp: 15393

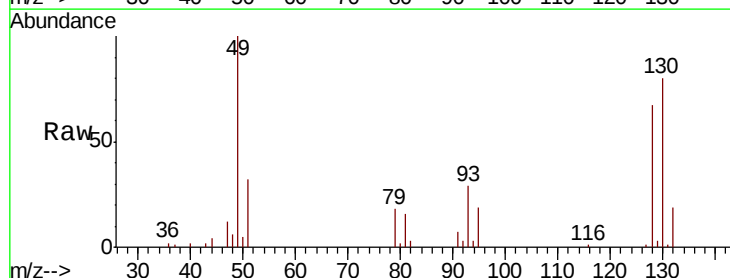
Ion Ratio Lower Upper

128 100

49 149.0 105.1 195.1

130 119.0 90.0 167.2

51 48.3 38.6 57.8

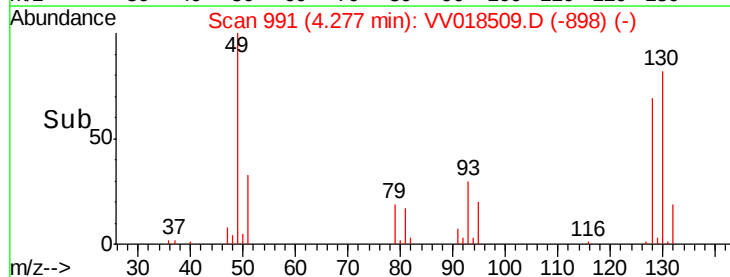
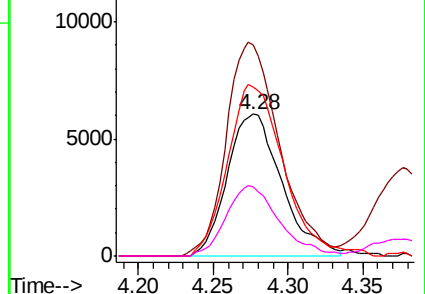


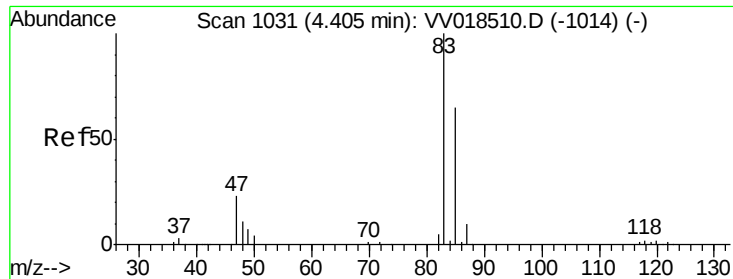
Abundance Ion 128.00 (127.70 to 128.70): VV018510.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018510.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018510.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018510.D (-976) (-)

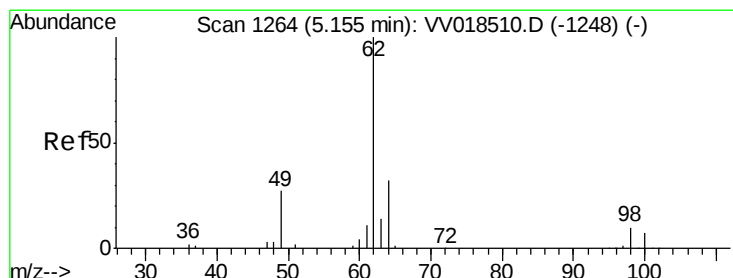
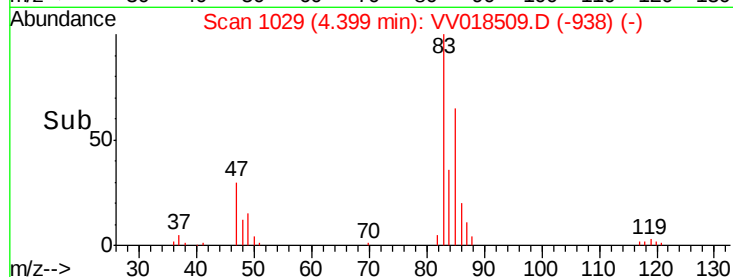
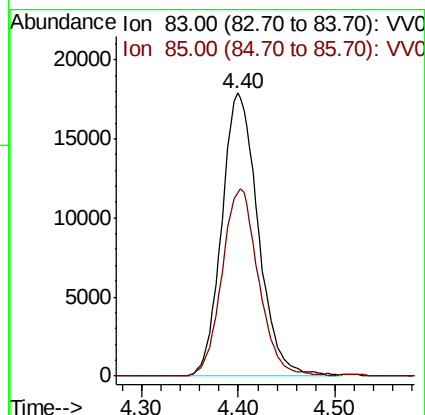
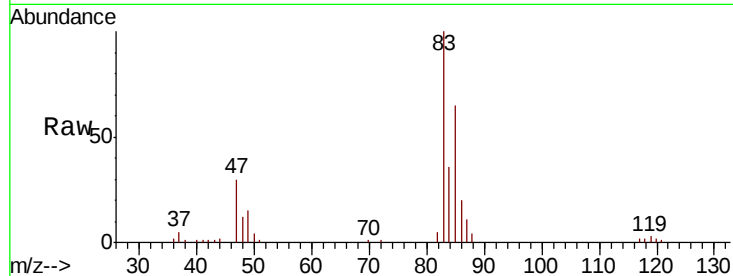




#25
Chloroform
Concen: 9.700 ug/L
RT: 4.40 min Scan# 1029
Delta R.T. -0.01 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

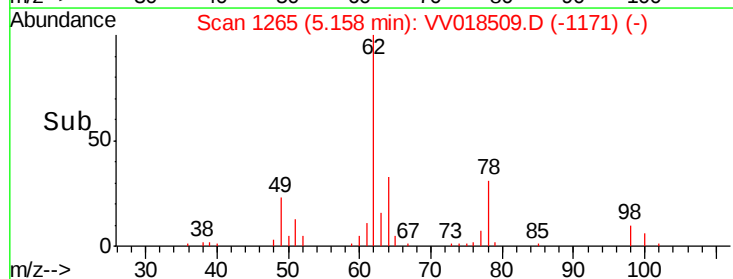
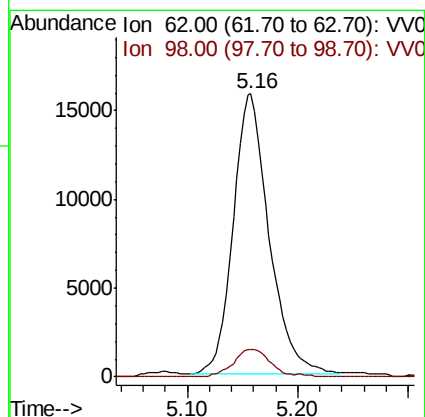
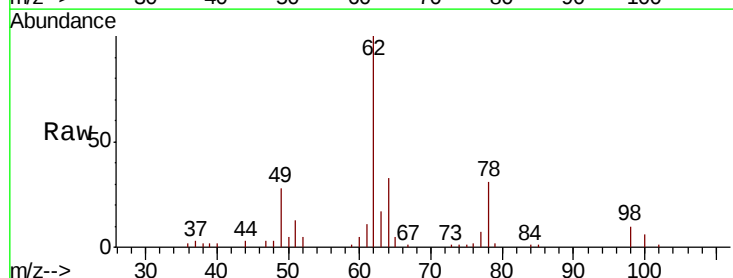
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

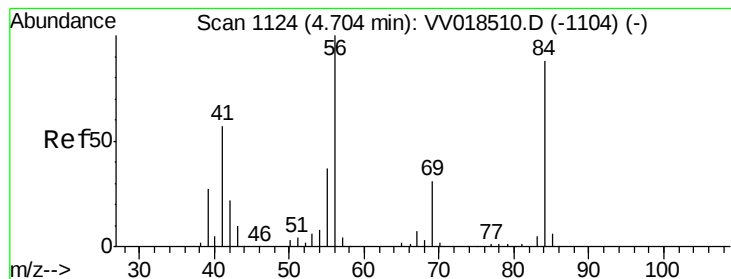
Tot Ion: 83 Resp: 46686
Ion Ratio Lower Upper
83 100
85 65.0 46.2 85.8



#27
1,2-Dichloroethane
Concen: 9.588 ug/L
RT: 5.16 min Scan# 1265
Delta R.T. 0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

Tgt Ion: 62 Resp: 35725
Ion Ratio Lower Upper
62 100
98 9.9 7.7 11.5





#29

Cyclohexane

Concen: 9.497 ug/L

RT: 4.70 min Scan# 1123

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

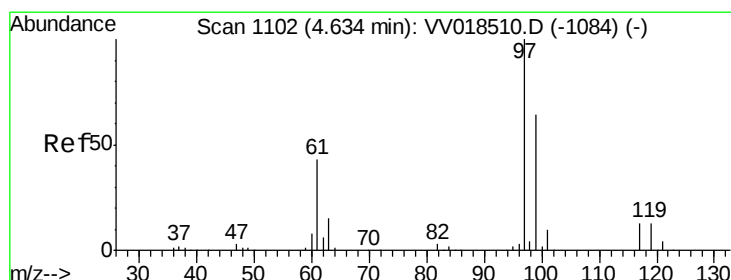
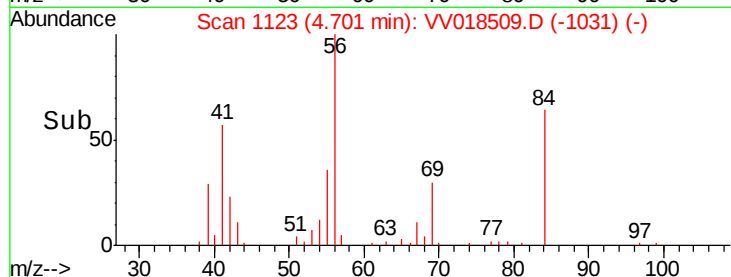
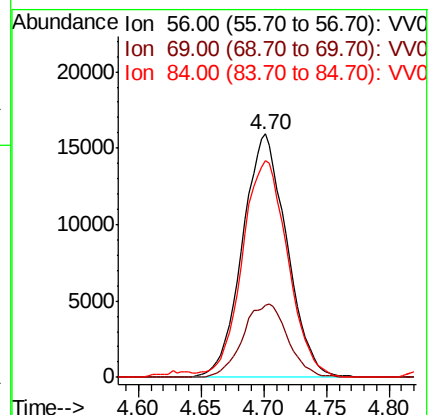
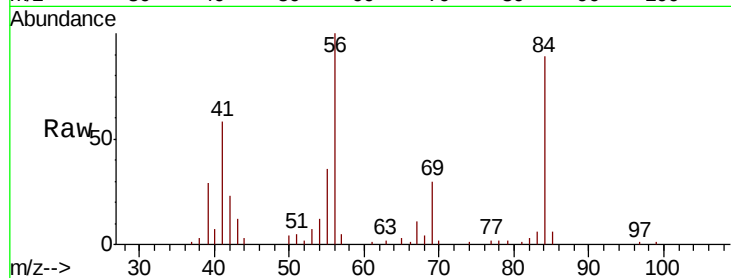
Tot Ion: 56 Resp: 39137

Ion Ratio Lower Upper

56 100

69 30.4 24.8 37.2

84 91.6 72.2 108.4



#30

1,1,1-Trichloroethane

Concen: 10.354 ug/L

RT: 4.63 min Scan# 1101

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

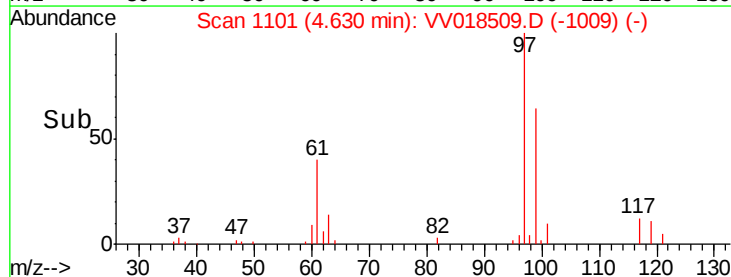
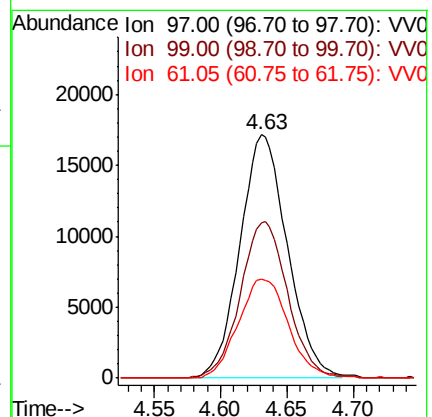
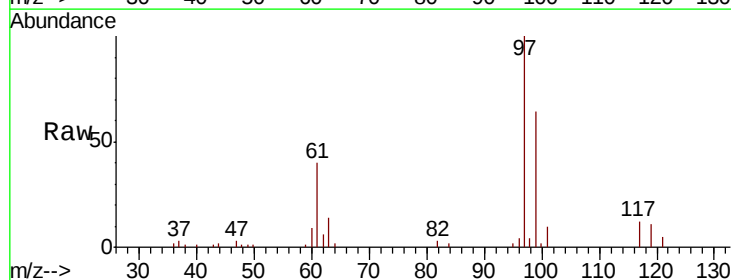
Tgt Ion: 97 Resp: 42884

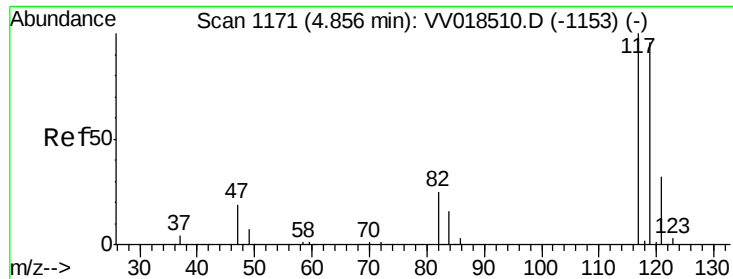
Ion Ratio Lower Upper

97 100

99 64.1 51.4 77.0

61 42.9 33.9 50.9

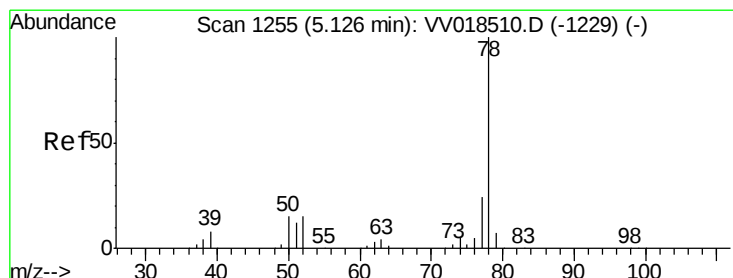
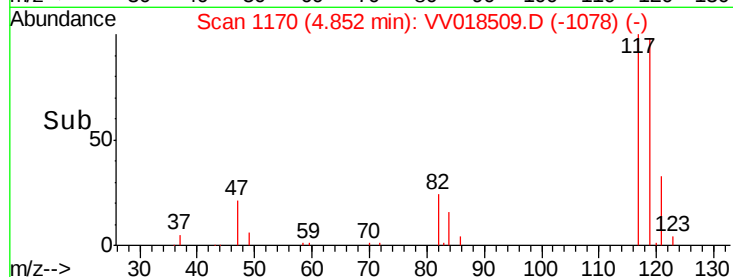
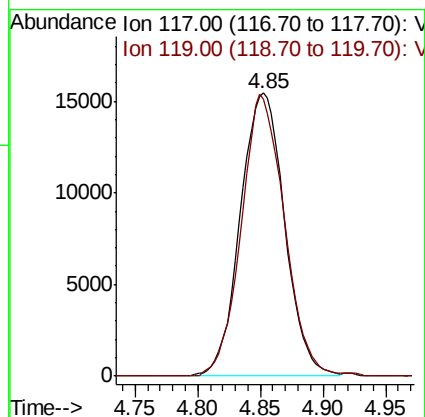
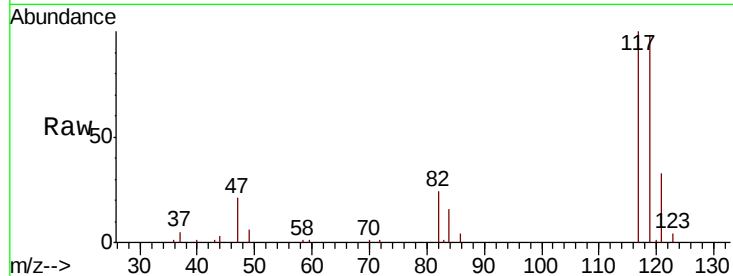




#31
Carbon tetrachloride
Concen: 10.426 ug/L
RT: 4.85 min Scan# 1170
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

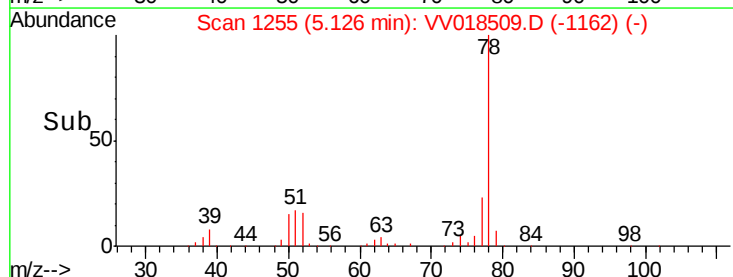
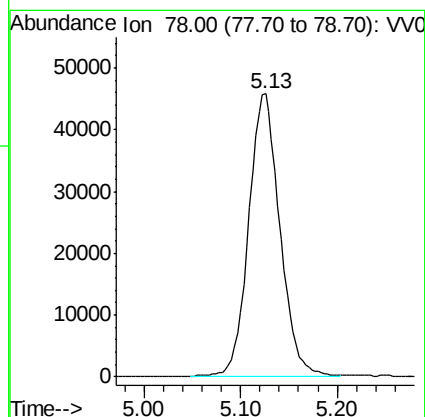
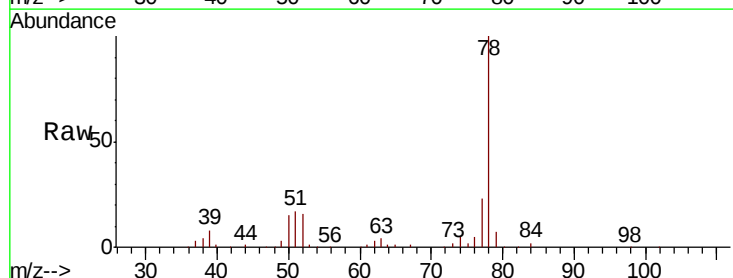
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

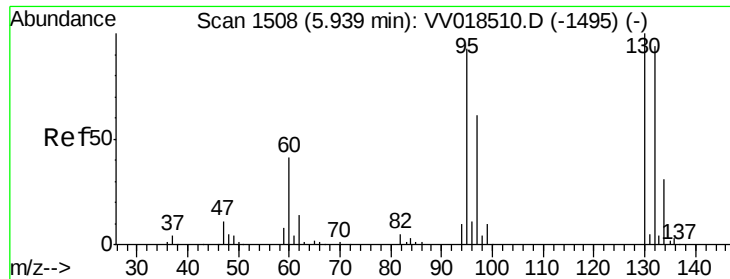
Tot Ion:117 Resp: 37970
Ion Ratio Lower Upper
117 100
119 96.8 77.0 115.6



#33
Benzene
Concen: 10.109 ug/L
RT: 5.13 min Scan# 1255
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

Tgt Ion: 78 Resp: 103143

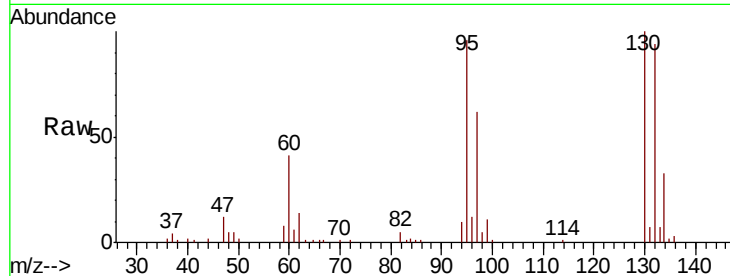




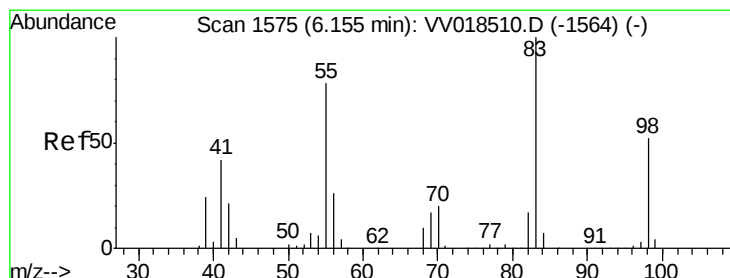
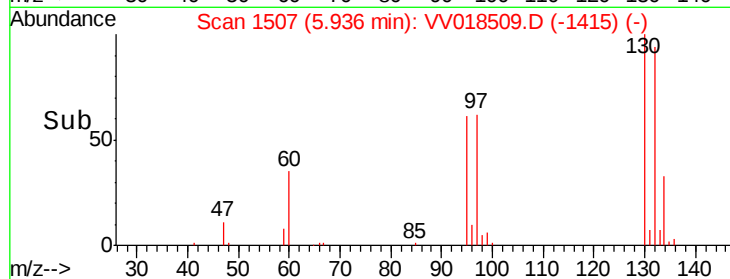
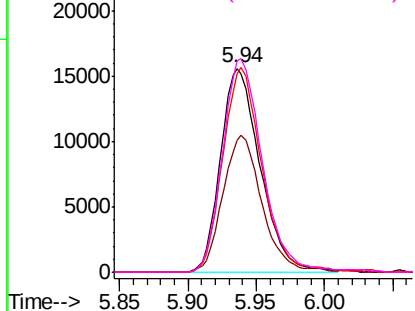
#34
 Trichloroethene
 Concen: 11.334 ug/L
 RT: 5.94 min Scan# 1507
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tot Ion: 95 Resp: 31502
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.9 85.3
 132 97.6 70.8 131.4
 130 103.8 75.3 139.8

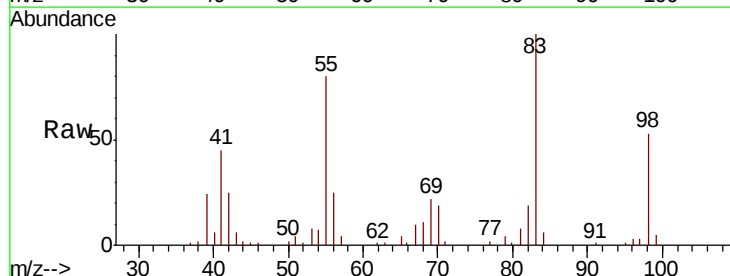


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

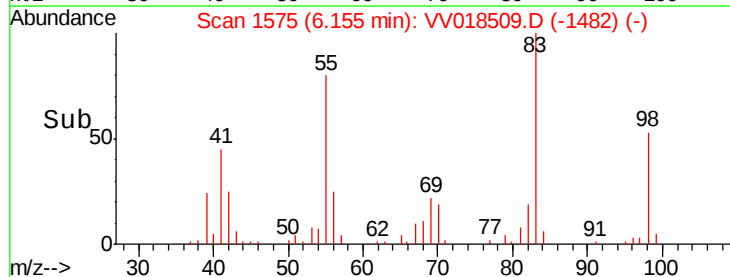
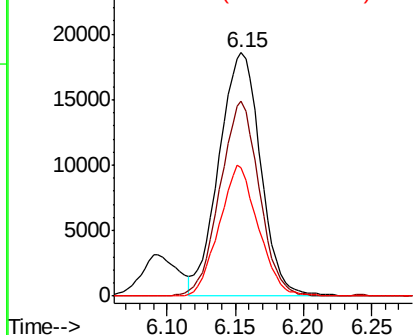


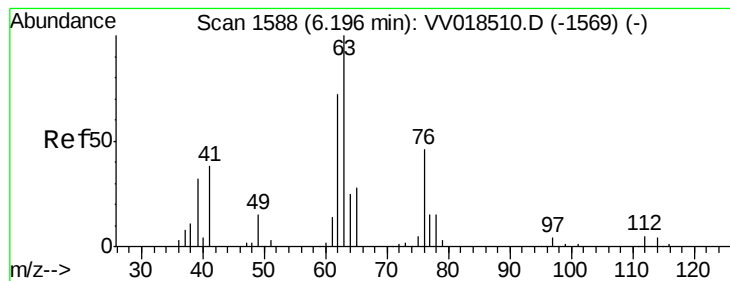
#35
 Methylcyclohexane
 Concen: 9.419 ug/L
 RT: 6.15 min Scan# 1575
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Tgt Ion: 83 Resp: 39419
 Ion Ratio Lower Upper
 83 100
 55 75.4 60.1 90.1
 98 50.4 40.2 60.4



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





#37

1,2-Dichloropropane

Concen: 9.657 ug/L

RT: 6.20 min Scan# 1588

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampled :

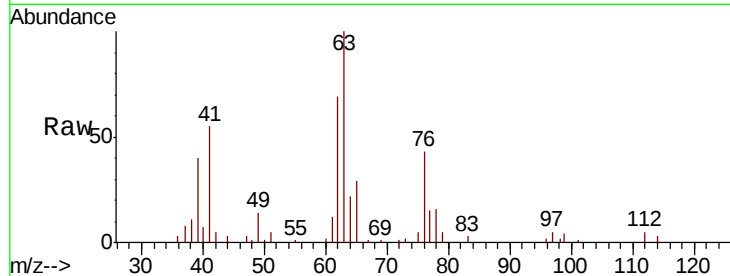
VSTD01066

Tot Ion: 63 Resp: 26110

Ion Ratio Lower Upper

63 100

112 4.7 3.9 5.9



Abundance Ion 63.00 (62.70 to 63.70): VV018510.D (-1569) (-)

Ion 112.00 (111.70 to 112.70): VV018510.D (-1569) (-)

6.20

15000

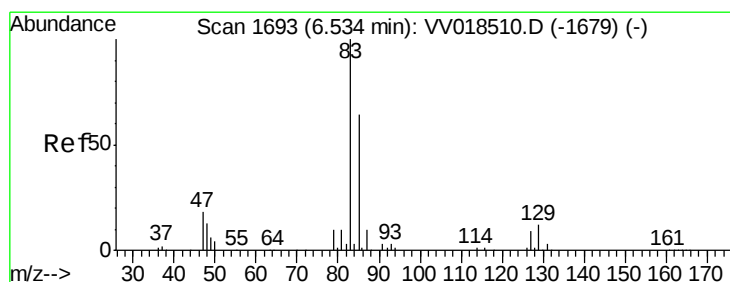
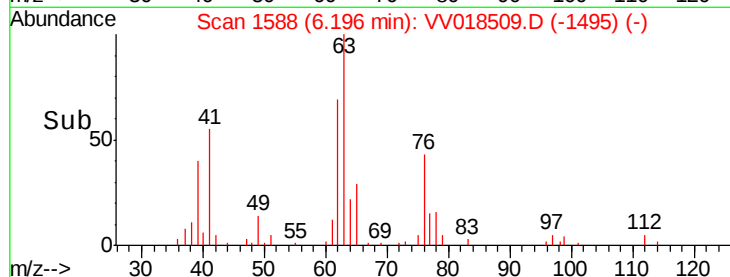
10000

5000

0

6.10 6.15 6.20 6.25

Time-->



#38

Bromodichloromethane

Concen: 9.920 ug/L

RT: 6.53 min Scan# 1693

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

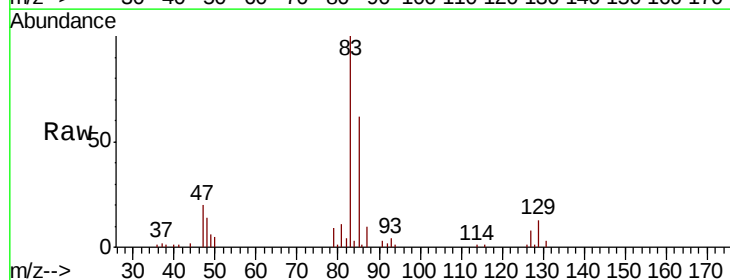
Tgt Ion: 83 Resp: 34903

Ion Ratio Lower Upper

83 100

85 61.9 44.5 82.7

127 8.2 7.2 10.8



Abundance Ion 83.00 (82.70 to 83.70): VV018510.D (-1679) (-)

Ion 85.00 (84.70 to 85.70): VV018510.D (-1679) (-)

Ion 127.00 (126.70 to 127.70): VV018510.D (-1679) (-)

6.53

25000

20000

15000

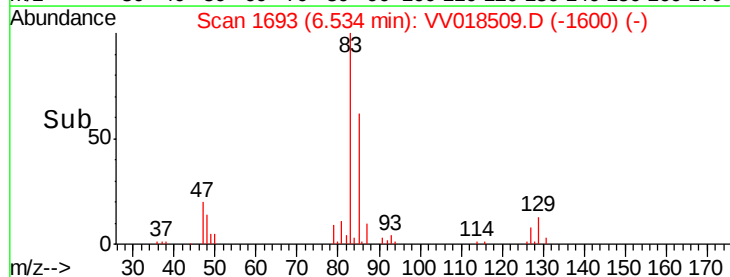
10000

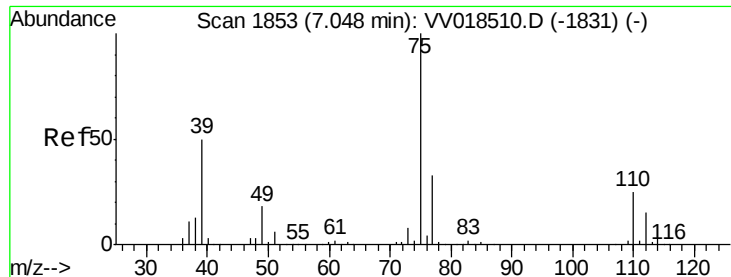
5000

0

6.45 6.50 6.55 6.60

Time-->

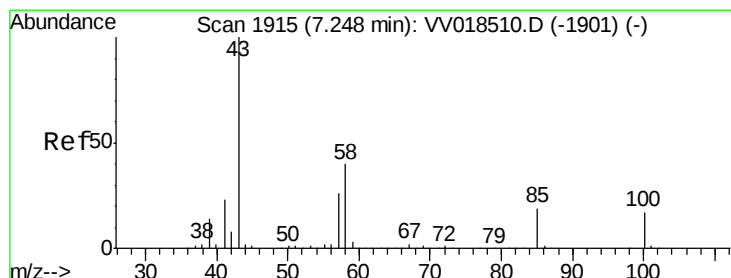
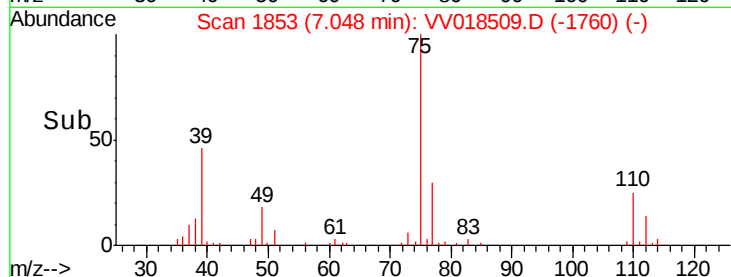
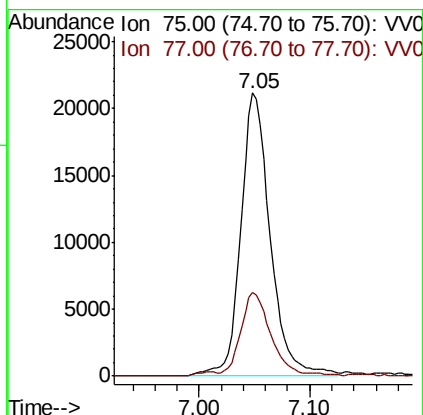
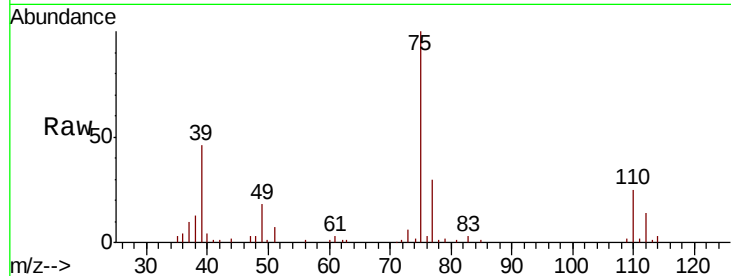




#39
 cis-1,3-Dichloropropene
 Concen: 9.411 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

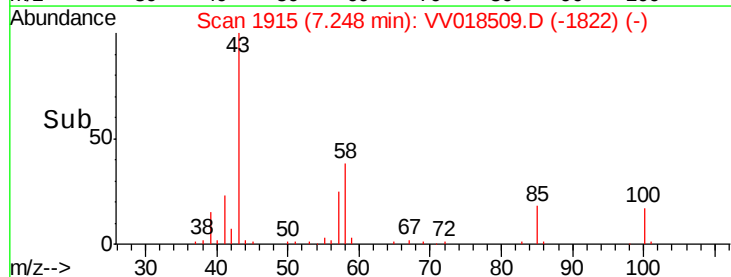
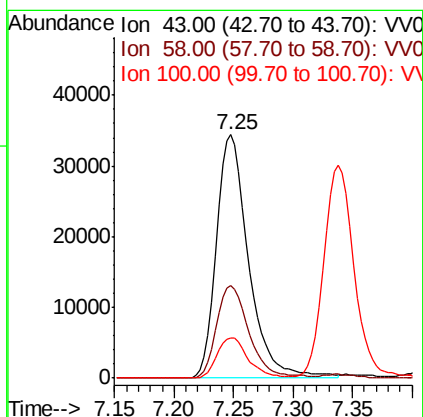
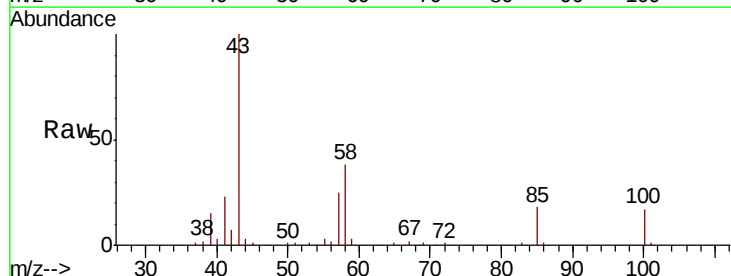
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

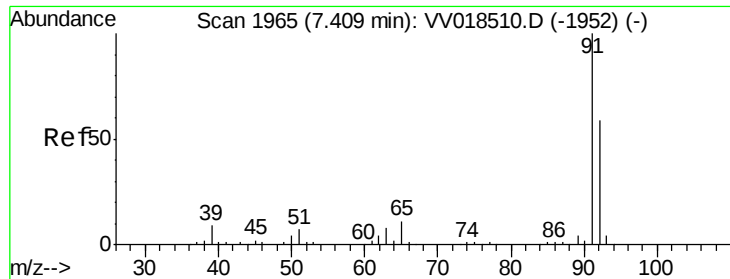
Tot Ion: 75 Resp: 39205
 Ion Ratio Lower Upper
 75 100
 77 29.6 23.0 42.6



#40
 4-Methyl-2-pentanone
 Concen: 19.656 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Tgt Ion: 43 Resp: 64473
 Ion Ratio Lower Upper
 43 100
 58 38.3 31.8 47.6
 100 16.1 13.4 20.0





#42

Toluene

Concen: 10.263 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

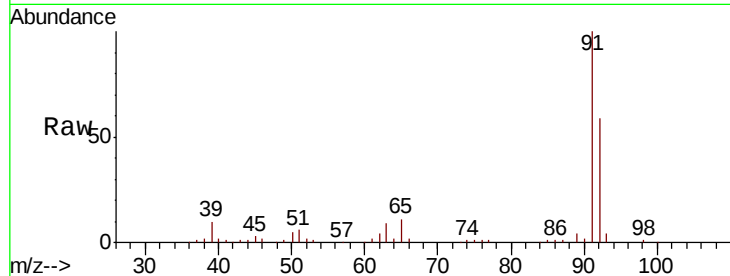
VSTD01066

Tot Ion: 91 Resp: 110815

Ion Ratio Lower Upper

91 100

92 58.8 41.6 77.3



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

Ion 92.00 (91.70 to 92.70): VV018510.D (-1952) (-)

7.41

60000

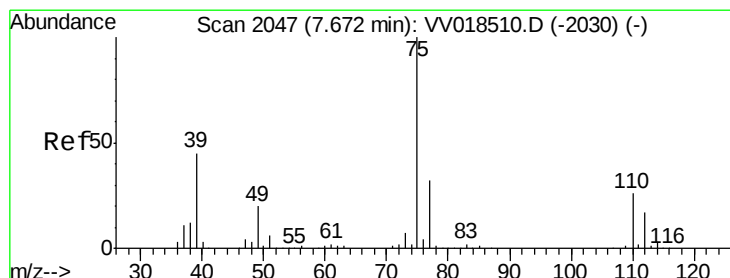
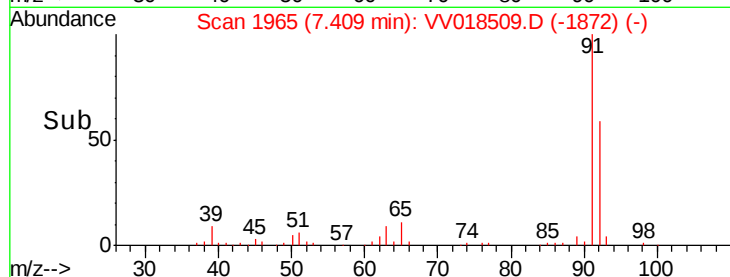
40000

20000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 9.278 ug/L

RT: 7.67 min Scan# 2047

Delta R.T. -0.00 min

Lab File: VV018509.D

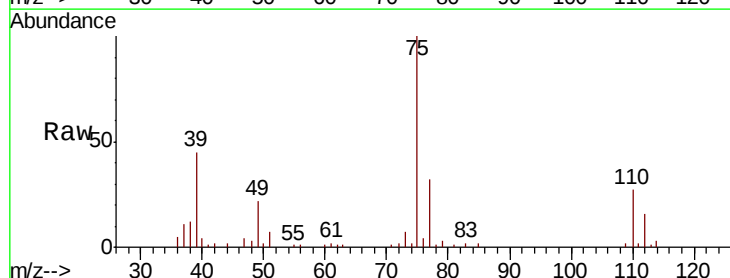
Acq: 29 Sep 2020 11:53

Tgt Ion: 75 Resp: 37631

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



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

Ion 77.00 (76.70 to 77.70): VV018510.D (-2030) (-)

7.67

20000

15000

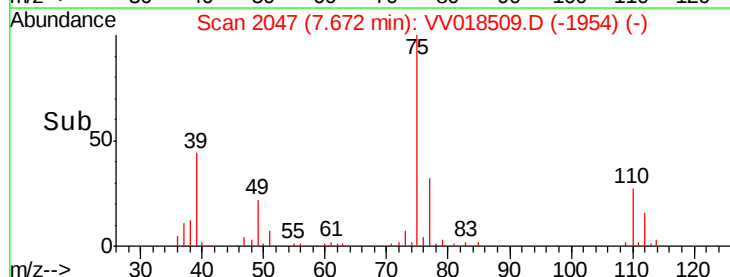
10000

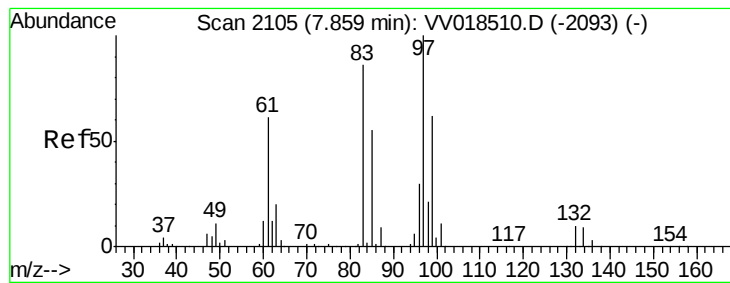
5000

0

7.60 7.65 7.70 7.75

Time-->





#45

1,1,2-Trichloroethane

Concen: 10.323 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

Tot Ion: 97 Resp: 25871

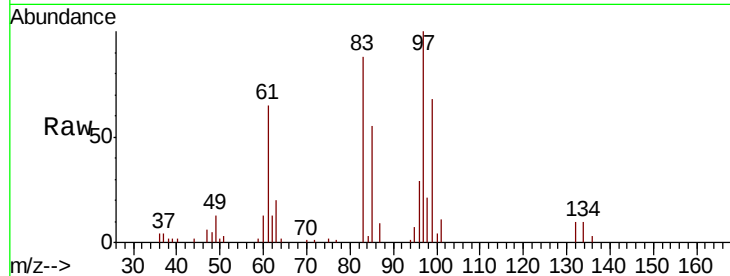
Ion Ratio Lower Upper

97 100

99 68.1 43.3 80.3

83 87.9 60.5 112.5

85 54.7 38.3 71.1

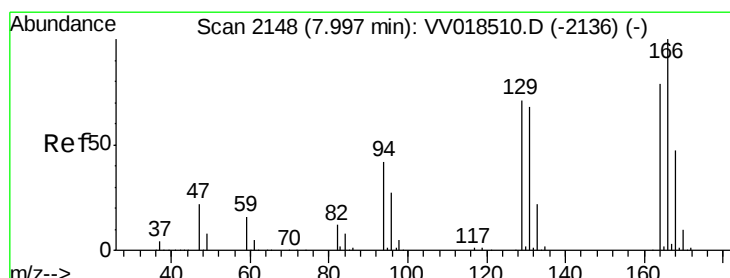
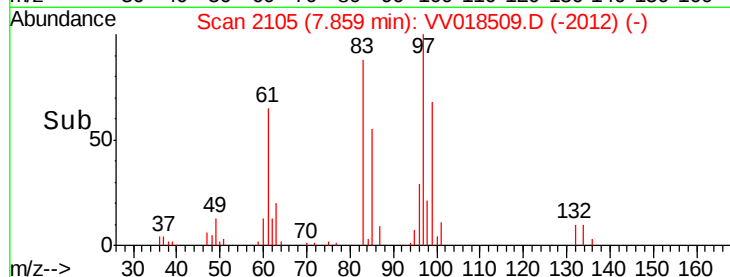
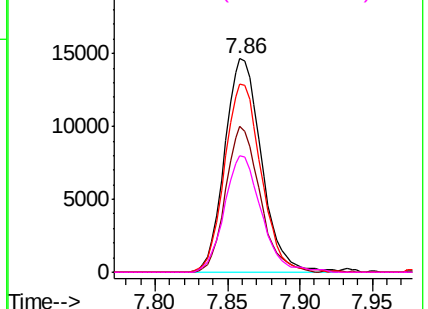


Abundance Ion 97.00 (96.70 to 97.70): VV0

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: 11.303 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Tgt Ion: 164 Resp: 24632

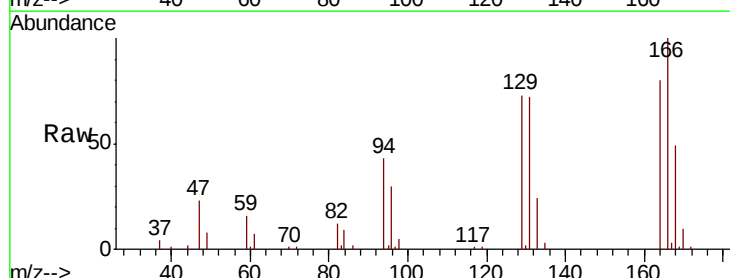
Ion Ratio Lower Upper

164 100

129 90.8 62.8 116.6

131 89.7 60.8 112.8

166 125.0 88.9 165.1

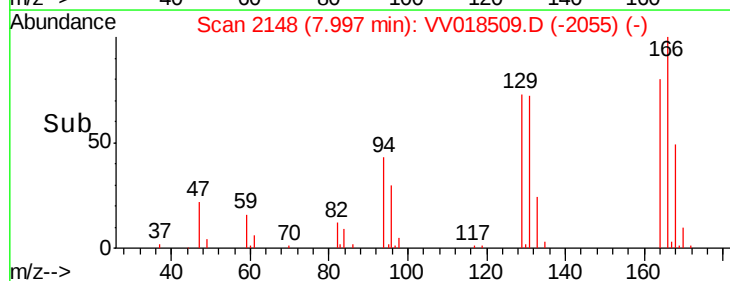
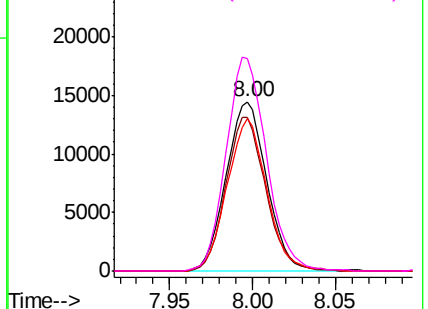


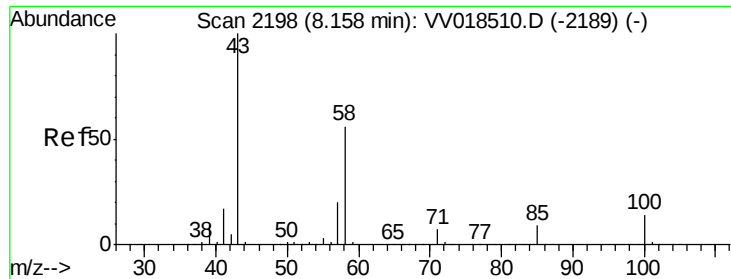
Abundance Ion 164.00 (163.70 to 164.70): V

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

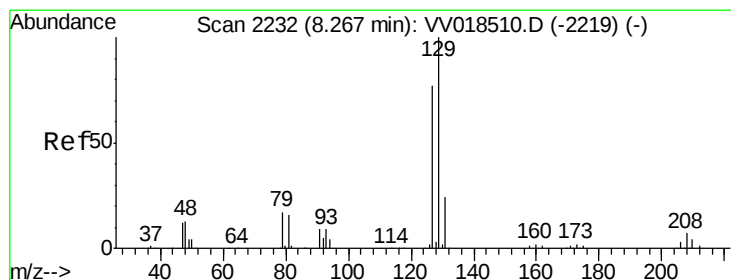
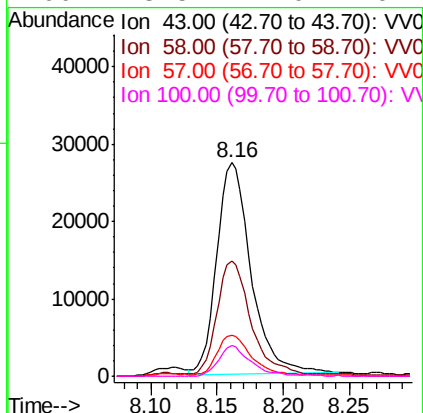
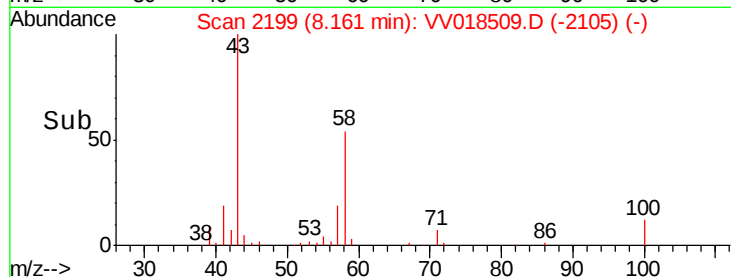
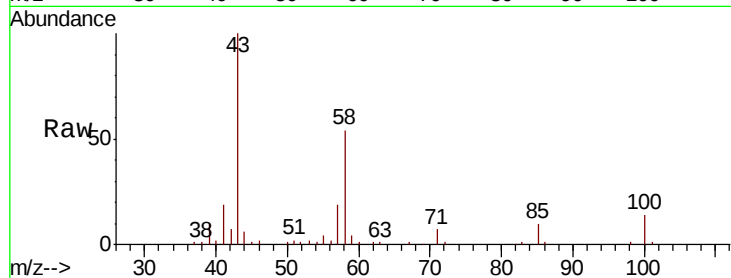




#48
2-Hexanone
Concen: 18.985 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

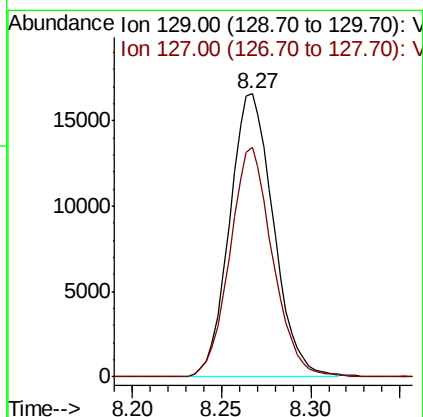
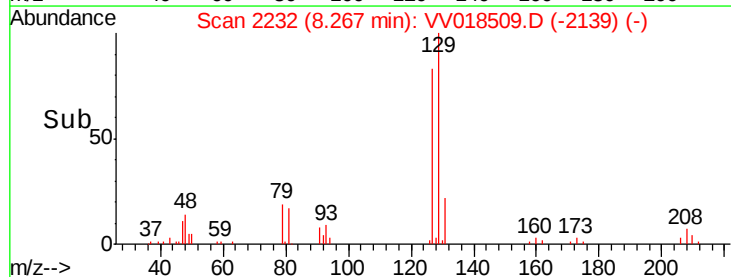
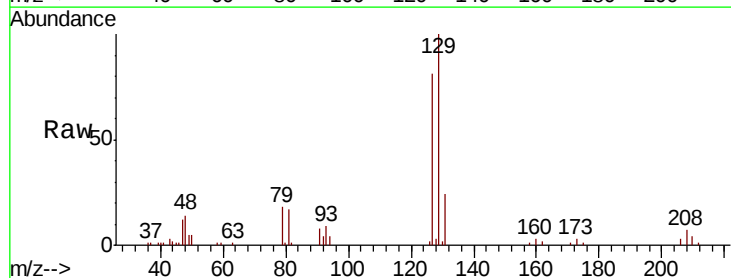
Instrument :
MSVOA_V
ClientSampleId :
VSTD01066

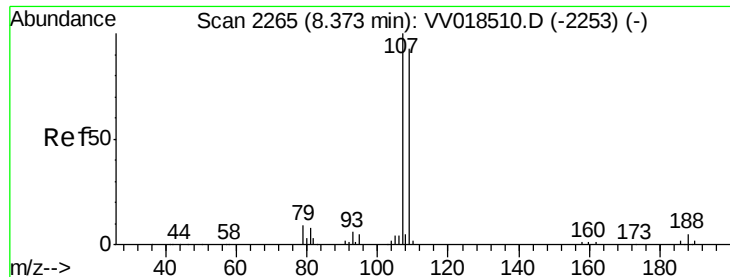
Tot Ion: 43 Resp: 49095
Ion Ratio Lower Upper
43 100
58 52.6 45.1 67.7
57 19.9 15.7 23.5
100 13.5 11.0 16.4



#49
Dibromochloromethane
Concen: 10.072 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018509.D
Acq: 29 Sep 2020 11:53

Tgt Ion: 129 Resp: 28332
Ion Ratio Lower Upper
129 100
127 80.9 54.1 100.5

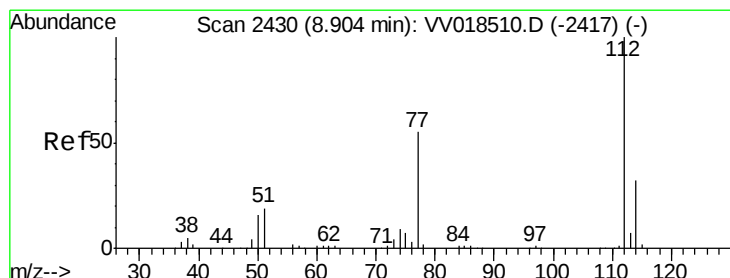
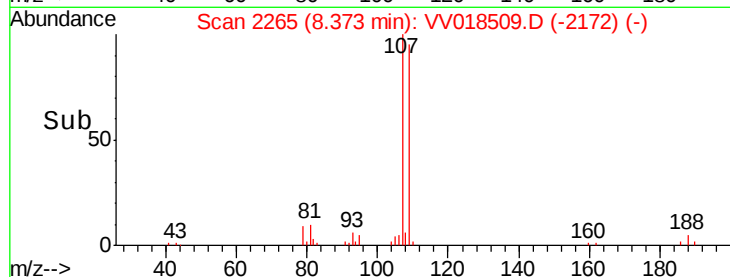
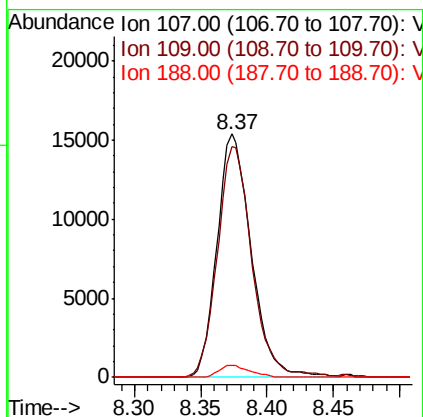
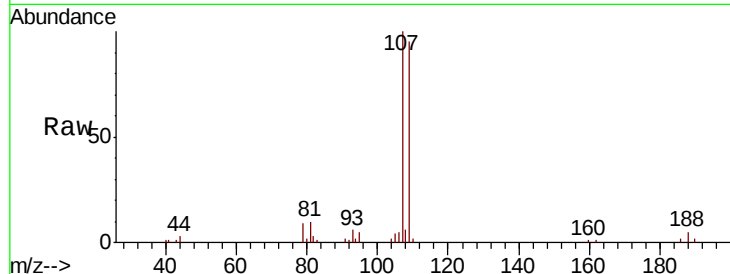




#50
 1,2-Dibromoethane
 Concen: 10.444 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

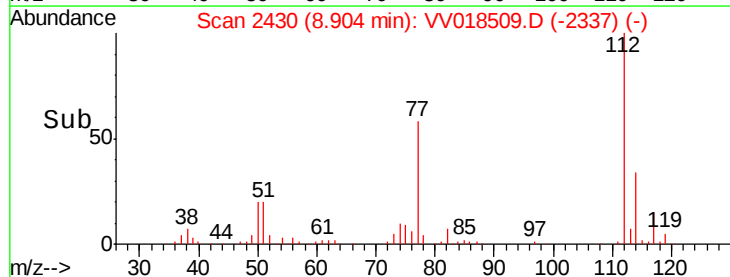
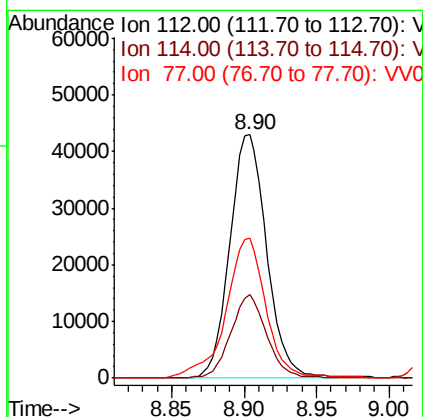
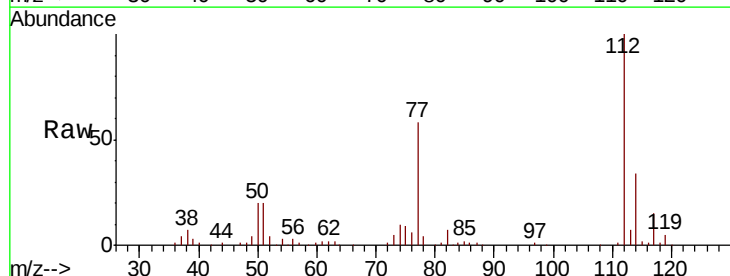
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

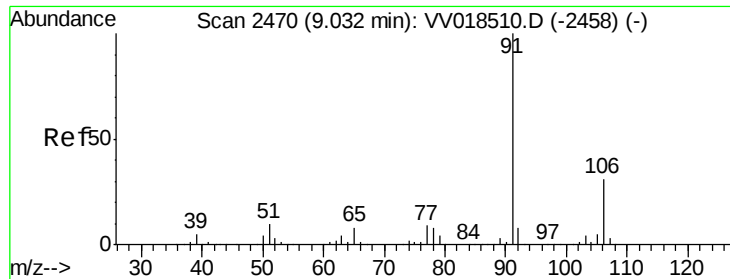
Tot Ion:107 Resp: 27545
 Ion Ratio Lower Upper
 107 100
 109 94.8 65.1 120.9
 188 5.0 3.7 5.5



#51
 Chlorobenzene
 Concen: 10.820 ug/L
 RT: 8.90 min Scan# 2430
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Tgt Ion:112 Resp: 75875
 Ion Ratio Lower Upper
 112 100
 114 34.2 22.4 41.6
 77 57.7 44.8 67.2





#52

Ethylbenzene

Concen: 10.210 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

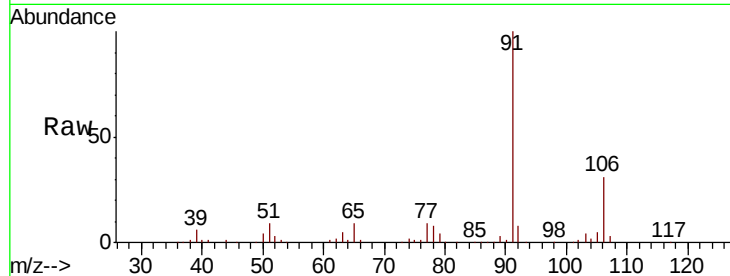
VSTD01066

Tot Ion: 91 Resp: 120365

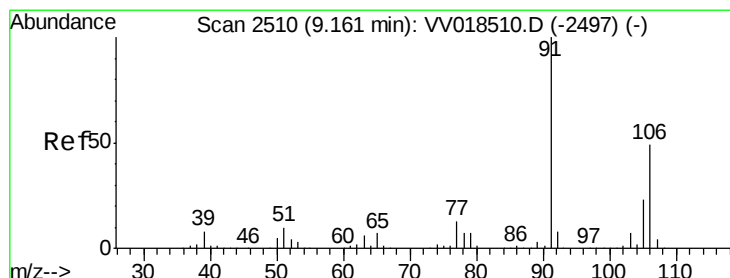
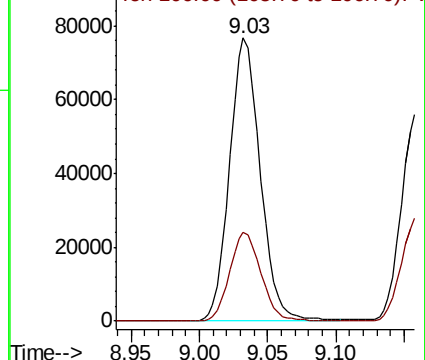
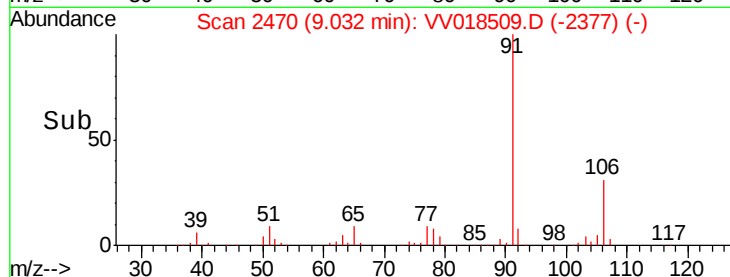
Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV018509.D (-2377) (-)



#53

m,p-Xylene

Concen: 10.639 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. -0.00 min

Lab File: VV018509.D

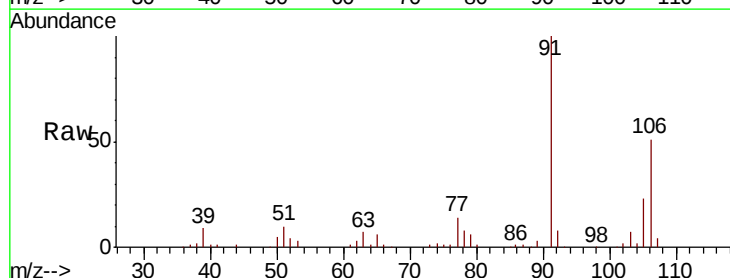
Acq: 29 Sep 2020 11:53

Tgt Ion: 106 Resp: 46815

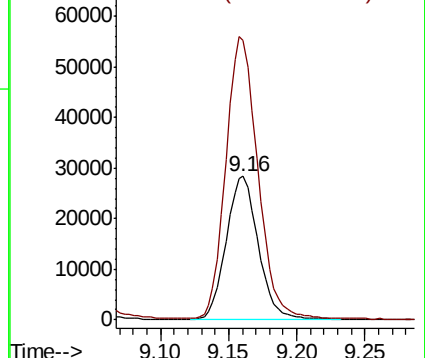
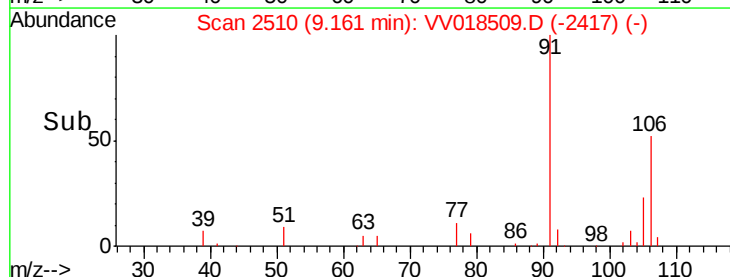
Ion Ratio Lower Upper

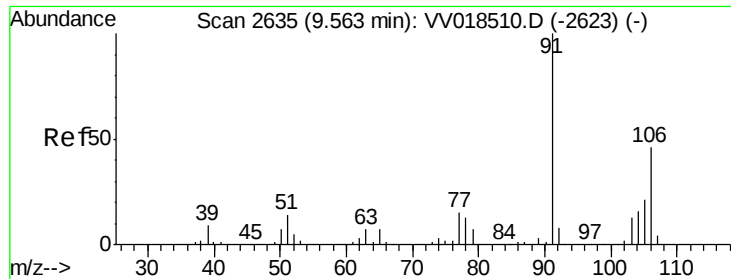
106 100

91 194.8 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV018509.D (-2417) (-)





#54

o-xylene

Concen: 10.424 ug/L

RT: 9.56 min Scan# 2635

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

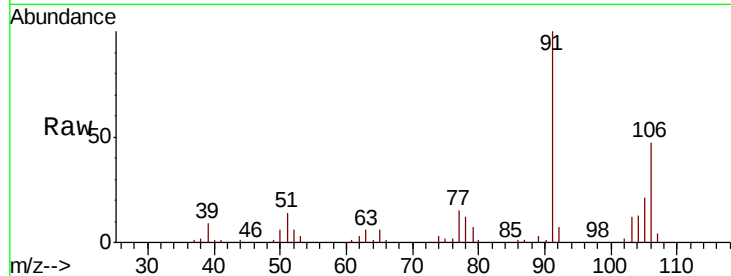
VSTD01066

Tot Ion:106 Resp: 44188

Ion Ratio Lower Upper

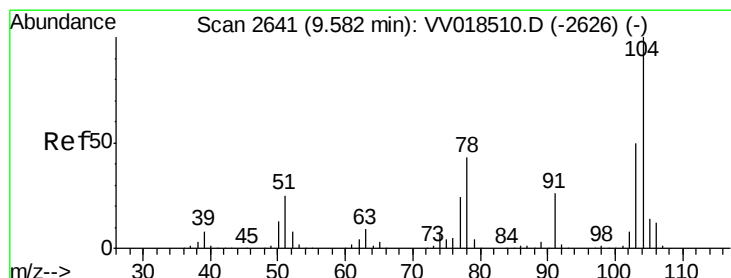
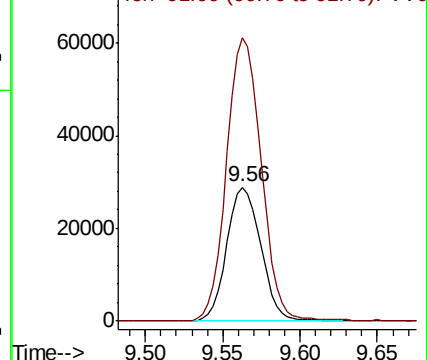
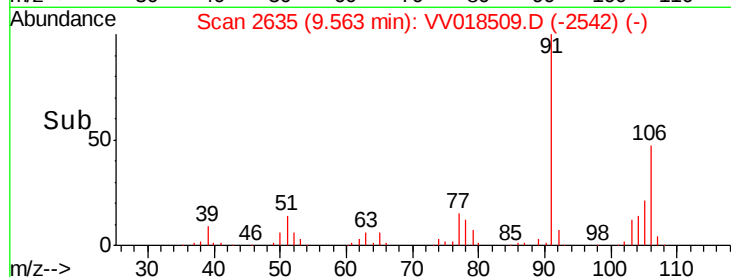
106 100

91 211.7 151.0 280.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 10.241 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV018509.D

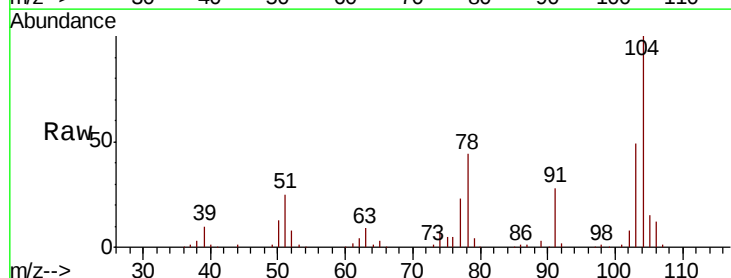
Acq: 29 Sep 2020 11:53

Tgt Ion:104 Resp: 75456

Ion Ratio Lower Upper

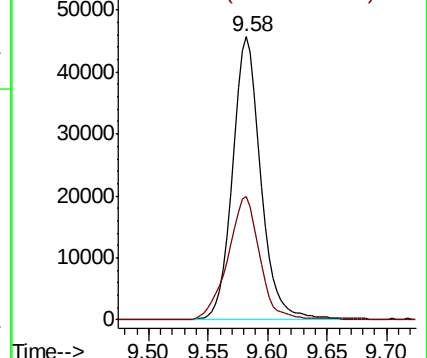
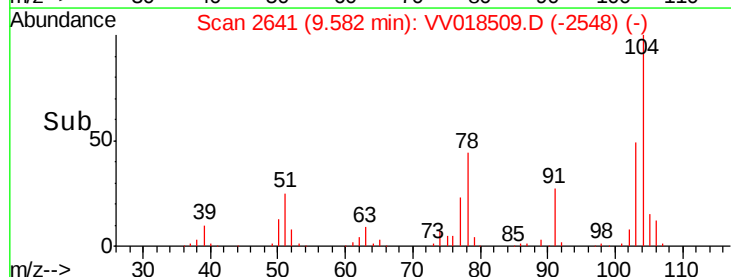
104 100

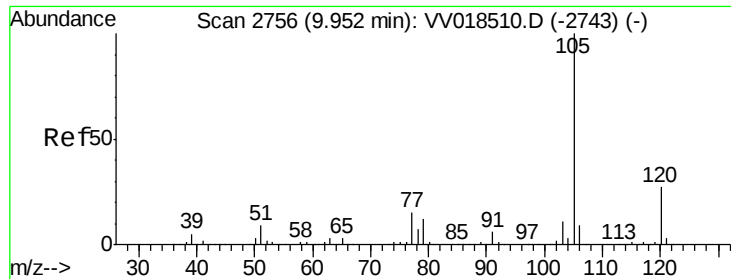
78 43.5 30.2 56.2



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 10.538 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

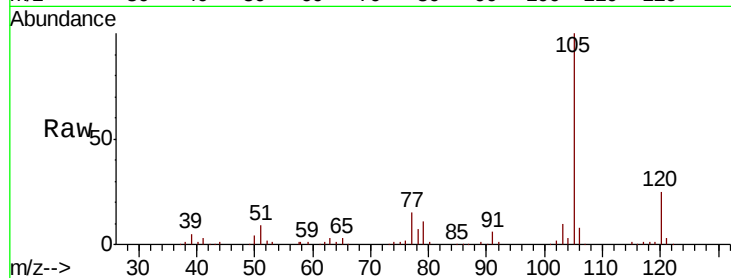
Tot Ion:105 Resp: 120388

Ion Ratio Lower Upper

105 100

120 25.7 21.5 32.3

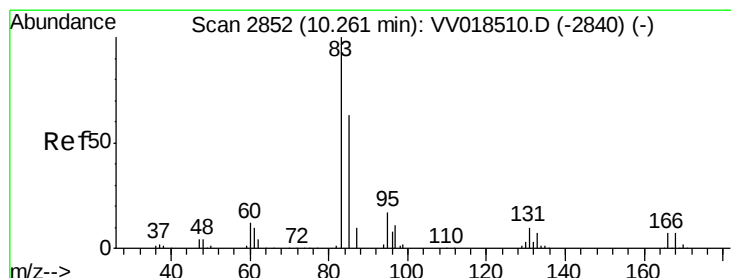
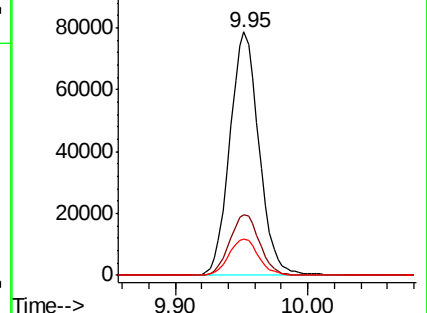
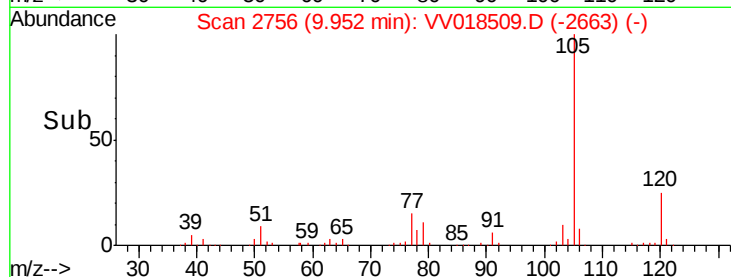
77 15.2 12.2 18.2



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: 9.491 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

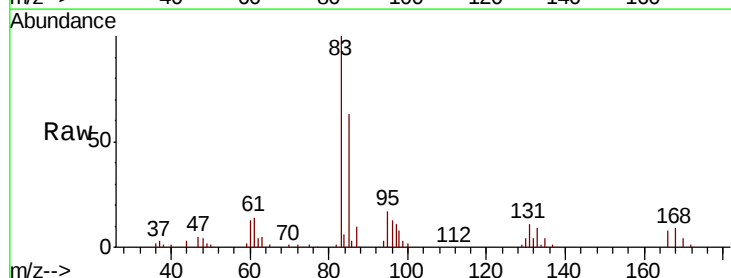
Tgt Ion: 83 Resp: 35182

Ion Ratio Lower Upper

83 100

85 63.2 44.5 82.7

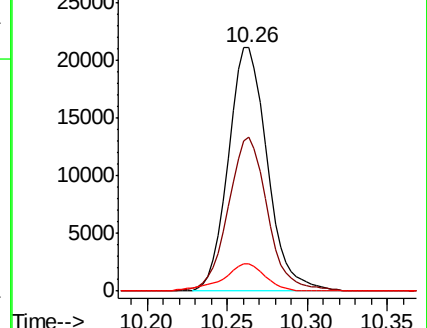
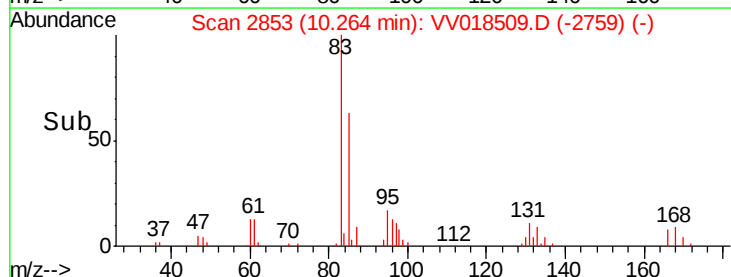
131 11.3 8.6 12.8

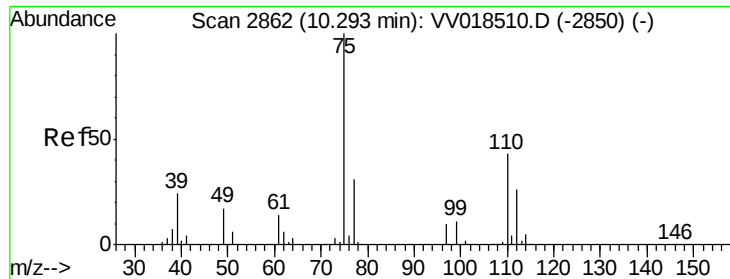


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 9.888 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

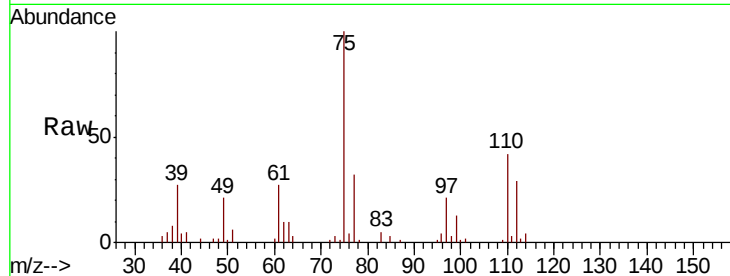
VSTD01066

Tot Ion: 75 Resp: 31444

Ion Ratio Lower Upper

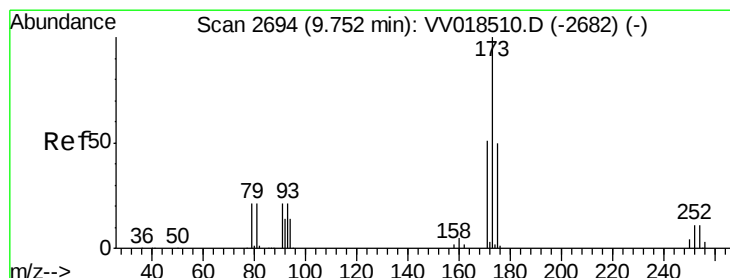
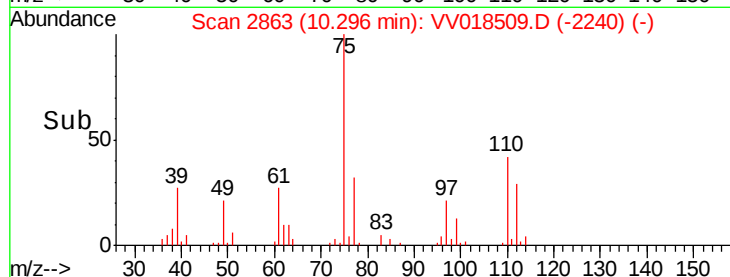
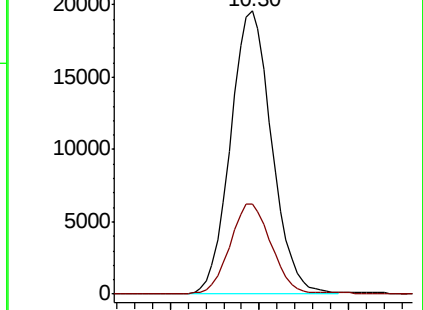
75 100

77 32.0 25.4 38.0



Abundance Ion 75.00 (74.70 to 75.70): VV018510.D (-2850) (-)

Ion 77.00 (76.70 to 77.70): VV018510.D (-2850) (-)



#61

Bromoform

Concen: 9.900 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

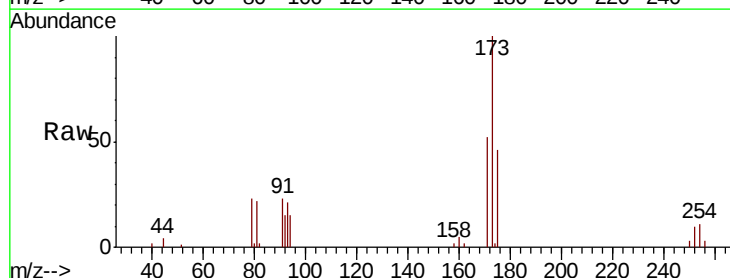
Tgt Ion: 173 Resp: 20995

Ion Ratio Lower Upper

173 100

175 47.1 39.8 59.8

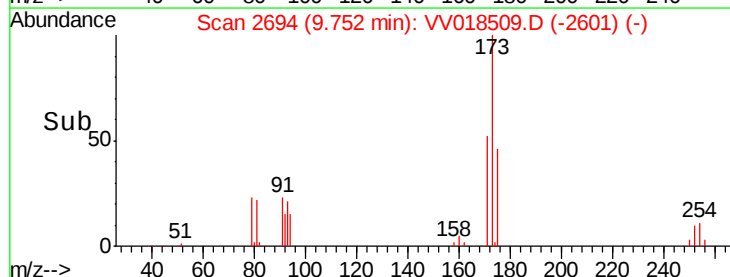
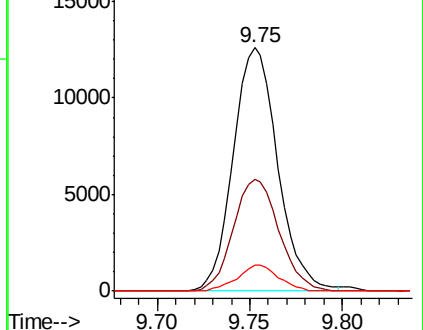
254 9.9 8.5 12.7

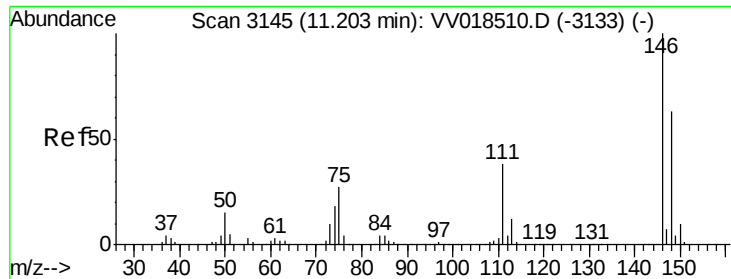


Abundance Ion 173.00 (172.70 to 173.70): VV018510.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018510.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018510.D (-2682) (-)





#62

1,3-Dichlorobenzene

Concen: 10.675 ug/L

RT: 11.20 min Scan# 3145

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

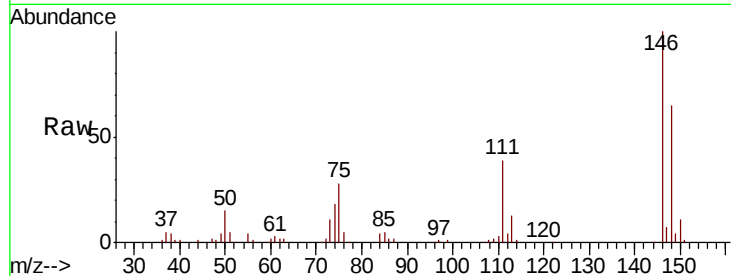
Tot Ion:146 Resp: 62663

Ion Ratio Lower Upper

146 100

111 39.0 26.8 49.8

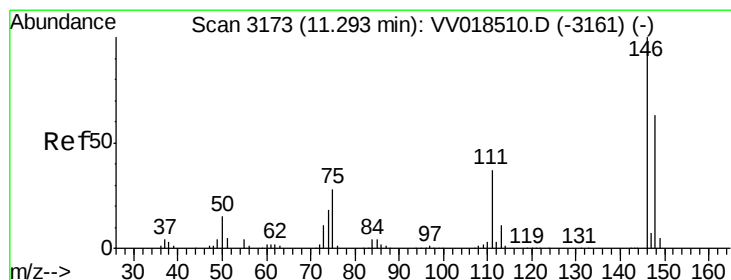
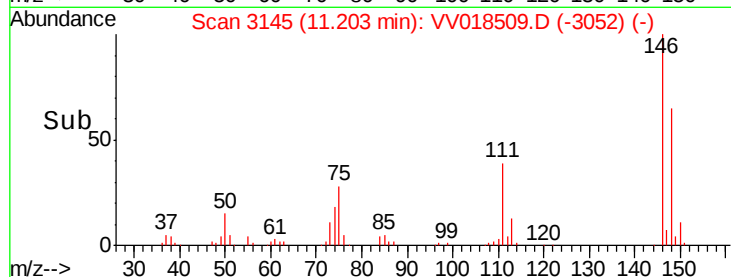
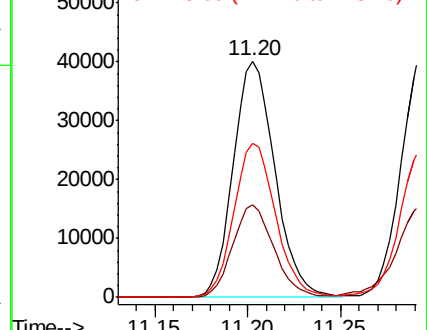
148 65.3 44.0 81.8



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: 10.985 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

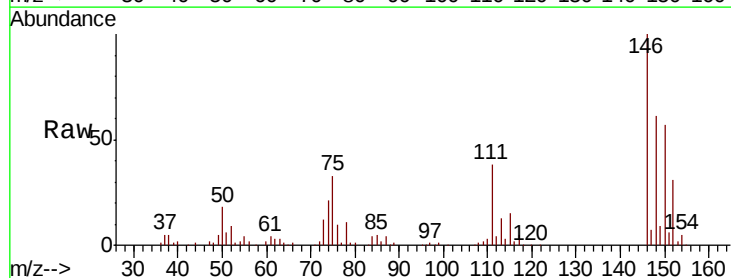
Tgt Ion:146 Resp: 66277

Ion Ratio Lower Upper

146 100

111 37.7 26.2 48.6

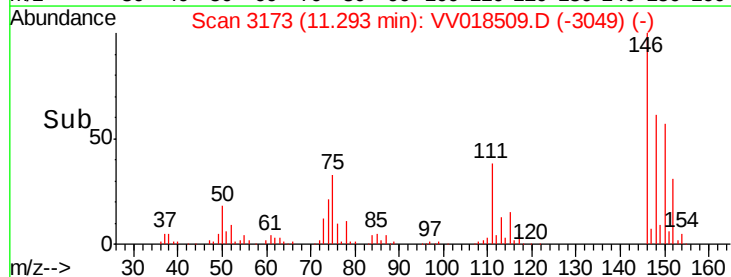
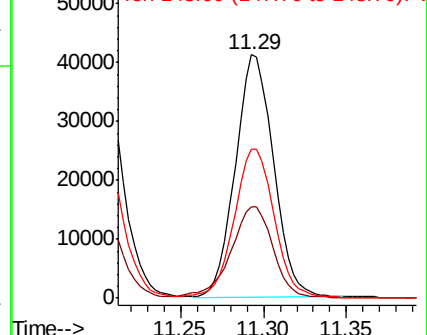
148 61.0 44.4 82.5

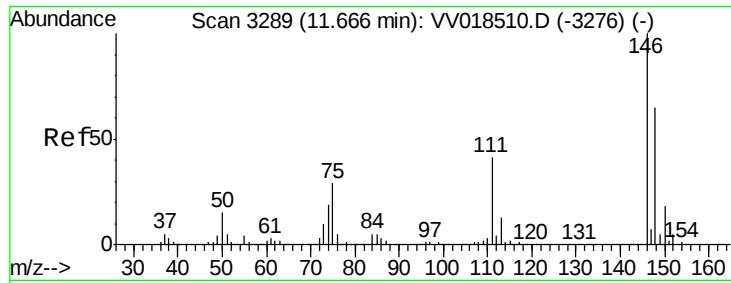


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 10.453 ug/L

RT: 11.67 min Scan# 3289

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

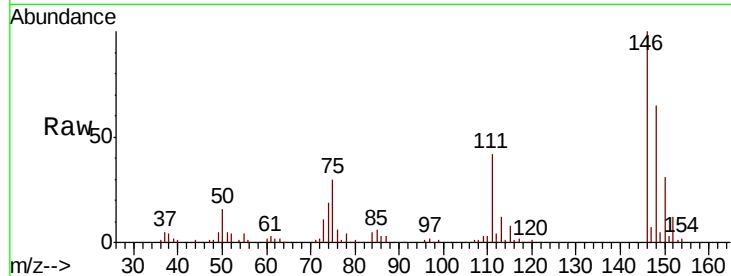
Tot Ion:146 Resp: 62020

Ion Ratio Lower Upper

146 100

111 42.3 32.8 49.2

148 64.8 51.9 77.9

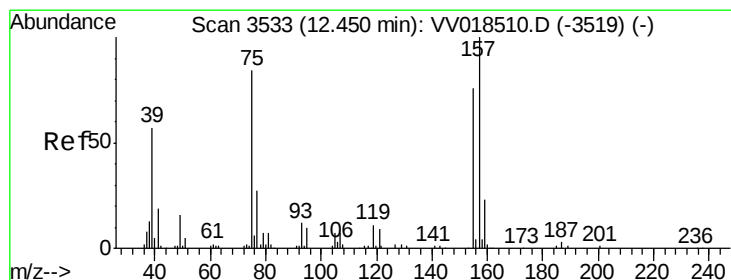
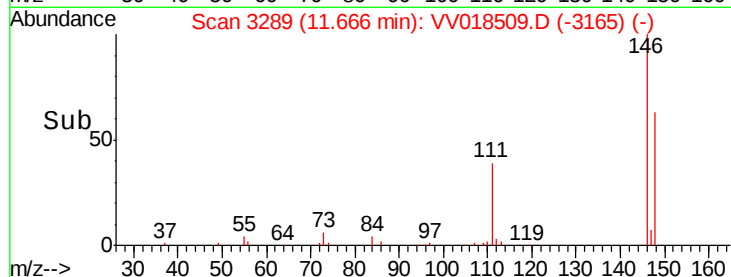
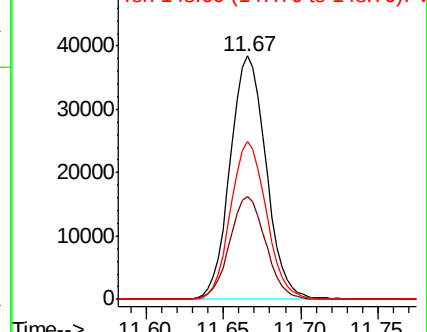


Abundance

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: 8.619 ug/L

RT: 12.45 min Scan# 3533

Delta R.T. -0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

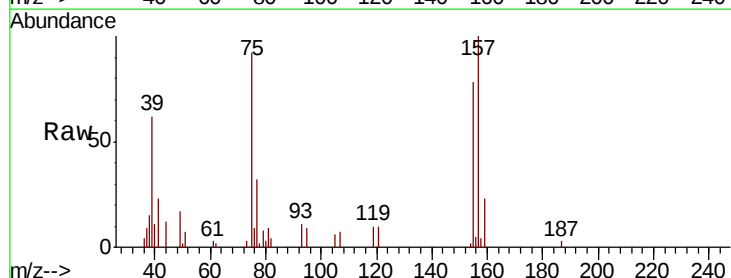
Tgt Ion: 75 Resp: 7216

Ion Ratio Lower Upper

75 100

155 84.8 73.0 109.6

157 108.4 95.8 143.6

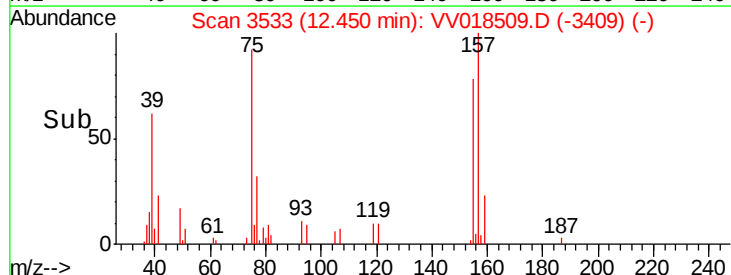
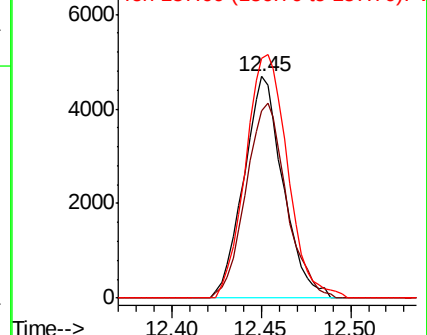


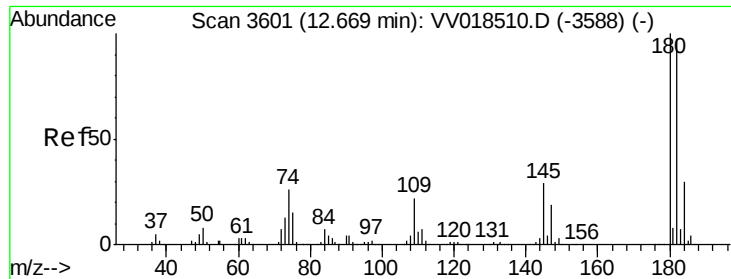
Abundance

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

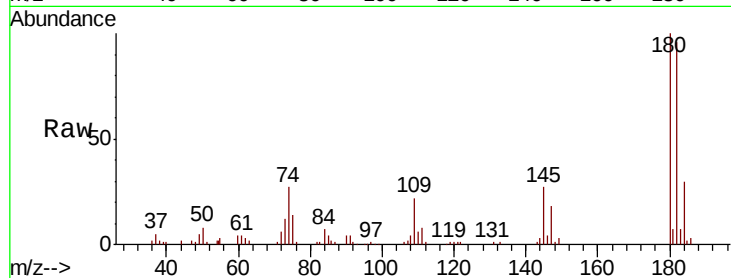




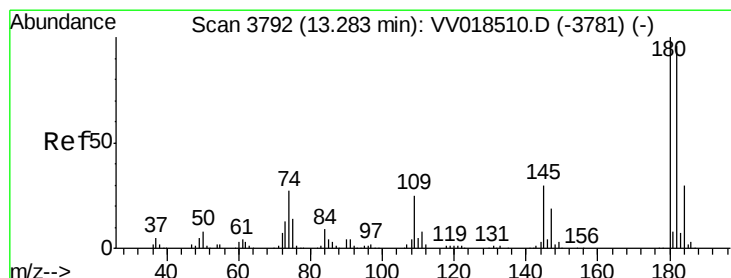
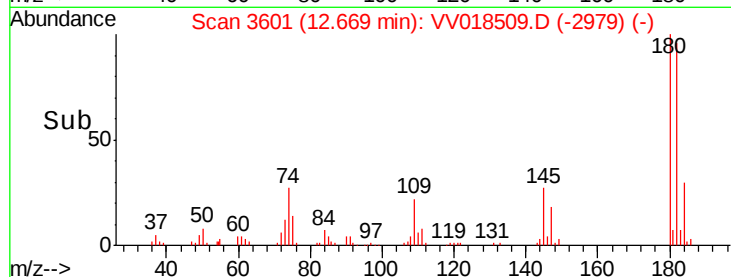
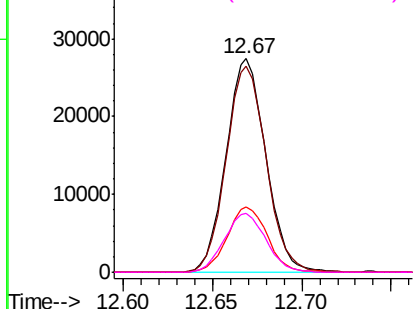
#67
 1,3,5-Trichlorobenzene
 Concen: 9.198 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD01066

Tot Ion:180 Resp: 42567
 Ion Ratio Lower Upper
 180 100
 182 97.4 77.1 115.7
 184 30.5 24.3 36.5
 145 28.7 22.9 34.3

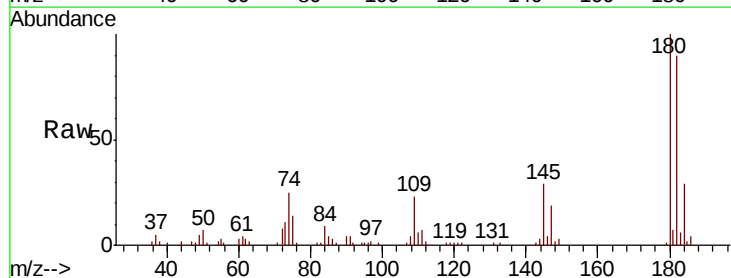


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

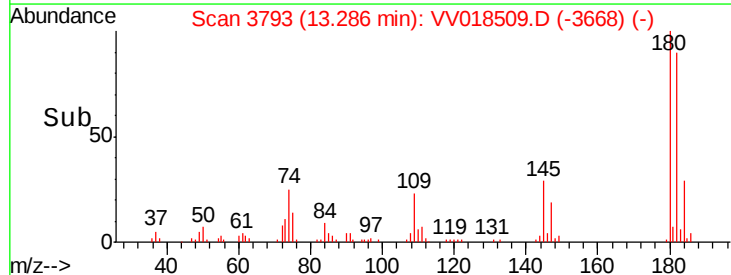
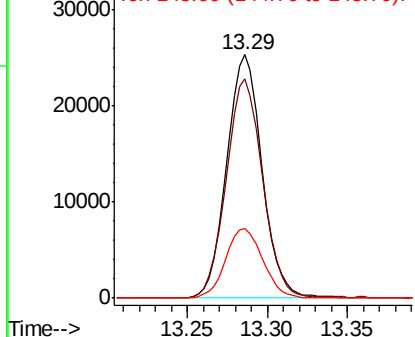


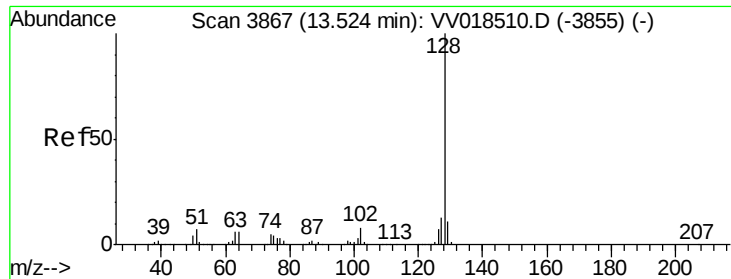
#68
 1,2,4-trichlorobenzene
 Concen: 9.252 ug/L
 RT: 13.29 min Scan# 3793
 Delta R.T. 0.00 min
 Lab File: VV018509.D
 Acq: 29 Sep 2020 11:53

Tgt Ion:180 Resp: 38126
 Ion Ratio Lower Upper
 180 100
 182 92.2 76.3 114.5
 145 29.9 23.6 35.4



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: 9.363 ug/L

RT: 13.53 min Scan# 3868

Delta R.T. 0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD01066

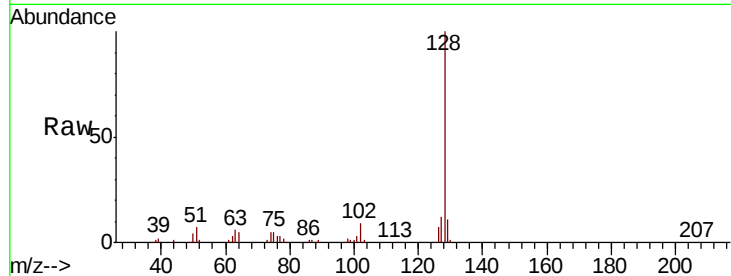
Tot Ion:128 Resp: 97631

Ion Ratio Lower Upper

128 100

127 12.9 10.3 15.5

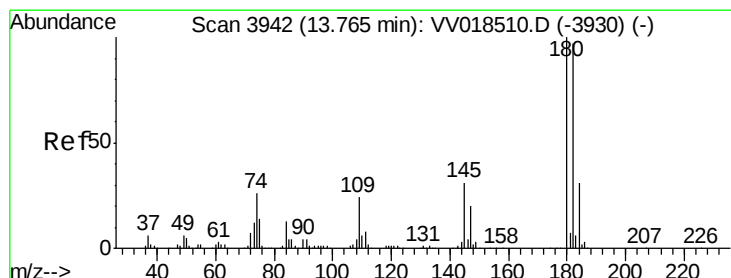
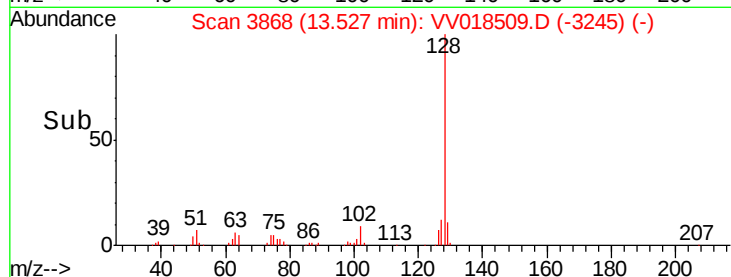
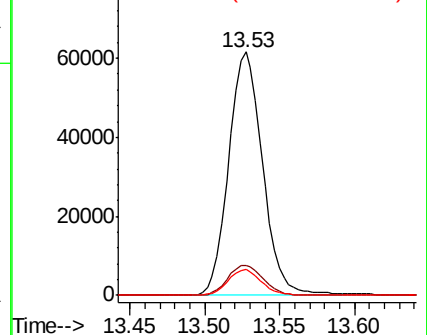
129 10.6 8.6 12.8



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: 9.474 ug/L

RT: 13.77 min Scan# 3943

Delta R.T. 0.00 min

Lab File: VV018509.D

Acq: 29 Sep 2020 11:53

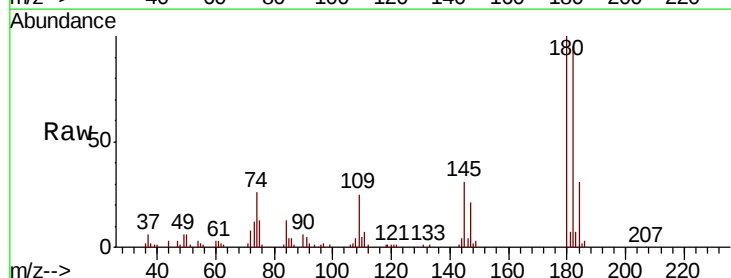
Tgt Ion:180 Resp: 38454

Ion Ratio Lower Upper

180 100

182 96.3 77.1 115.7

145 30.8 25.1 37.7



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

