

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018407.D
 Acq On : 23 Sep 2020 11:49
 Operator : SY/MD
 Sample : VSTD20063
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

Quant Time: Sep 24 07:20:18 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:11:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.64	114	313898	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	308375	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	175072	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	372444	186.04	ug/L	0.00
7) Chloroethane-d5	1.58	69	317259	184.47	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.12	63	770712	185.70	ug/L	0.00
21) 2-Butanone-d5	3.91	46	596351	403.37	ug/L	0.00
24) Chloroform-d	4.38	84	792044	189.05	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	502247	187.58	ug/L	0.00
32) Benzene-d6	5.08	84	1559184	192.16	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	504129	195.28	ug/L	0.00
41) Toluene-d8	7.34	98	1485843	194.99	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	275267	206.96	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	470293	452.46	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.24	84	692266	205.82	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.65	152	656056	196.56	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	411439	179.426	ug/L	100
3) Chloromethane	1.25	50	461648	182.850	ug/L	99
5) Vinyl chloride	1.32	62	478169	184.118	ug/L	99
6) Bromomethane	1.53	94	303894	186.157	ug/L	99
8) Chloroethane	1.60	64	300709	183.359	ug/L	99
9) Trichlorofluoromethane	1.76	101	678488	182.629	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	411053	180.504	ug/L	99
12) 1,1-Dichloroethene	2.13	96	399000	185.607	ug/L	93
13) Acetone	2.20	43	543333	304.706	ug/L	100
14) Carbon disulfide	2.31	76	1156049	187.697	ug/L	100
15) Methyl Acetate	2.45	43	438841	191.976	ug/L	99
16) Methylene chloride	2.52	84	439382	185.832	ug/L	99
17) trans-1,2-Dichloroethene	2.78	96	416807	188.005	ug/L	98
18) Methyl tert-butyl Ether	2.78	73	1348817	197.940	ug/L	99
19) 1,1-Dichloroethane	3.21	63	785684	186.204	ug/L	99
20) cis-1,2-Dichloroethene	3.94	96	466268	195.314	ug/L	100
22) 2-Butanone	4.00	43	690456	361.713	ug/L	99
23) Bromochloromethane	4.27	128	236189	186.853	ug/L	97
25) Chloroform	4.40	83	796423	185.418	ug/L	99
27) 1,2-Dichloroethane	5.15	62	617713	185.937	ug/L	98
29) Cyclohexane	4.70	56	732301	195.188	ug/L	100
30) 1,1,1-Trichloroethane	4.64	97	712683	189.069	ug/L	99
31) Carbon tetrachloride	4.86	117	624602	190.540	ug/L	100
33) Benzene	5.13	78	1749221	189.098	ug/L	100
34) Trichloroethene	5.94	95	462428	187.440	ug/L	99
35) Methylcyclohexane	6.15	83	749449	192.439	ug/L	99
37) 1,2-Dichloropropane	6.20	63	468706	187.478	ug/L	100
38) Bromodichloromethane	6.53	83	615545	194.890	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	774821	204.571	ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	1208471	404.968	ug/L	99

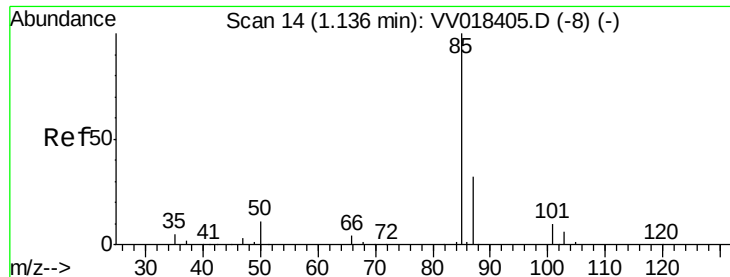
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
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 QLast Update : Thu Sep 24 07:11:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.41	91	1911390	190.882	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	759753	202.999	ug/L	98
45) 1,1,2-Trichloroethane	7.86	97	440345	191.843	ug/L	99
46) Tetrachloroethene	8.00	164	382345	191.184	ug/L	98
48) 2-Hexanone	8.16	43	973645	377.414	ug/L	99
49) Dibromochloromethane	8.27	129	511791	199.081	ug/L	100
50) 1,2-Dibromoethane	8.37	107	467942	195.297	ug/L	98
51) Chlorobenzene	8.90	112	1231997	191.354	ug/L	100
52) Ethylbenzene	9.03	91	2166270	197.024	ug/L	99
53) m,p-Xylene	9.16	106	826287	198.558	ug/L	98
54) o-Xylene	9.57	106	802209	200.950	ug/L	95
55) Styrene	9.58	104	1420797	198.986	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	684411	201.450	ug/L	99
59) Bromoform	9.75	173	398697	207.376	ug/L	99
60) Isopropylbenzene	9.95	105	2157077	192.865	ug/L	99
61) 1,2,3-Trichloropropane	10.29	75	560540	190.544	ug/L	100
62) 1,3,5-Trimethylbenzene	10.56	105	1852725	197.815	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	1890911	196.133	ug/L	99
64) 1,3-Dichlorobenzene	11.20	146	1057590	192.065	ug/L	99
65) 1,4-Dichlorobenzene	11.30	146	1073867	189.701	ug/L	99
67) 1,2-Dichlorobenzene	11.67	146	1049040	191.389	ug/L	99
68) 1,2-Dibromo-3-chloropropan	12.45	75	164080	215.004	ug/L	95
69) 1,3,5-Trichlorobenzene	12.67	180	845115	194.478	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	821215	206.093	ug/L	100
71) Naphthalene	13.52	128	2340928	218.328	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	802135	201.864	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 179.426 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

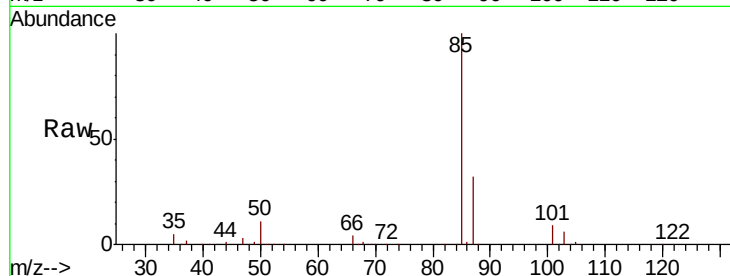
VSTD200305

Tot Ion: 85 Resp: 411439

Ion Ratio Lower Upper

85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0

1.14

400000

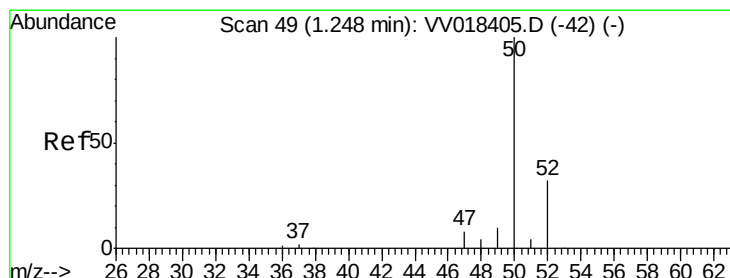
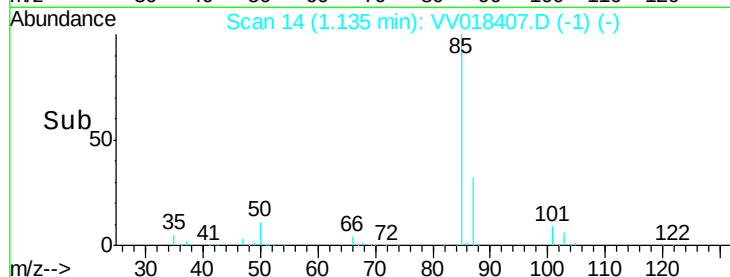
300000

200000

100000

0

Time-->



#3

Chloromethane

Concen: 182.850 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV018407.D

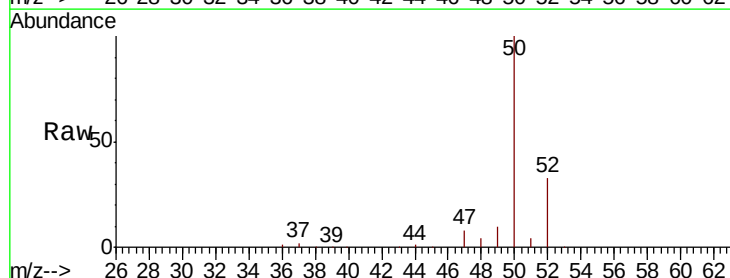
Acq: 23 Sep 2020 11:49

Tgt Ion: 50 Resp: 461648

Ion Ratio Lower Upper

50 100

52 32.8 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0

1.25

500000

400000

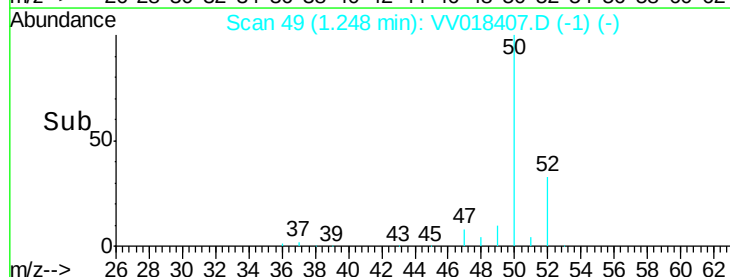
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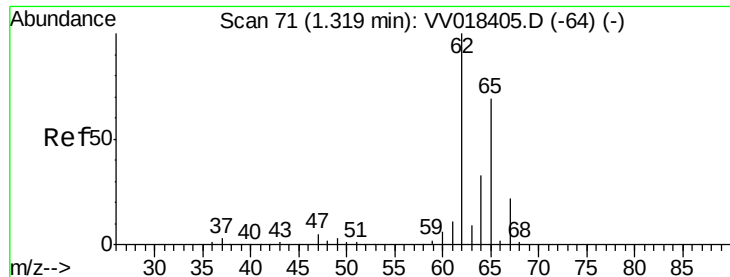
200000

100000

0

Time-->





#5

Vinyl chloride

Concen: 184.118 ug/L

RT: 1.32 min Scan# 71

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleID :

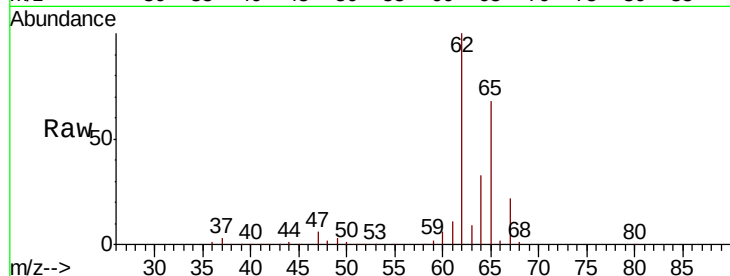
VSTD200305

Tot Ion: 62 Resp: 478169

Ion Ratio Lower Upper

62 100

64 33.1 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

500000

400000

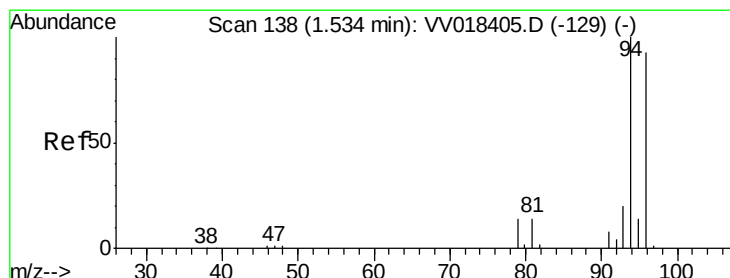
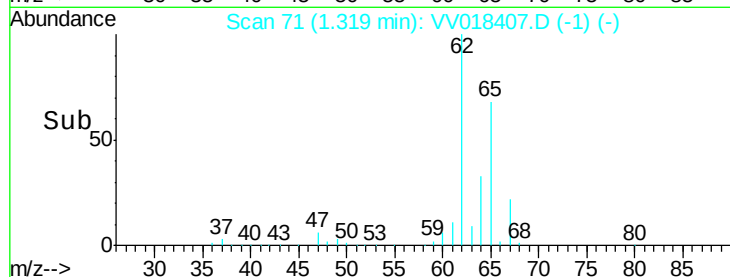
300000

200000

100000

0

Time-->



#6

Bromomethane

Concen: 186.157 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018407.D

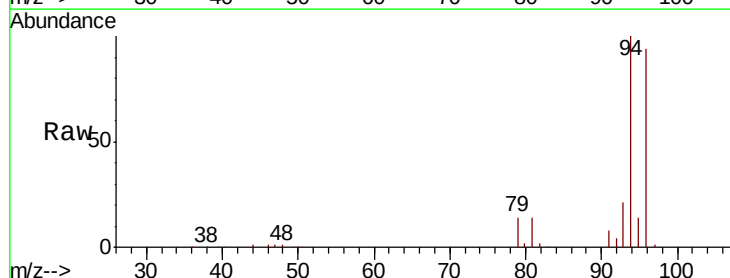
Acq: 23 Sep 2020 11:49

Tgt Ion: 94 Resp: 303894

Ion Ratio Lower Upper

94 100

96 94.0 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

300000

250000

200000

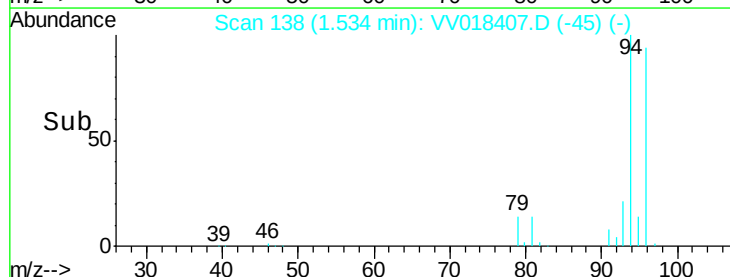
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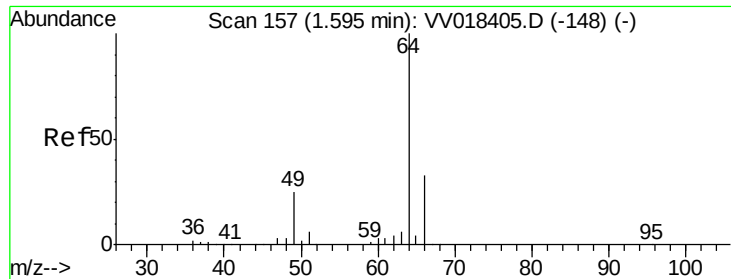
100000

50000

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Time-->

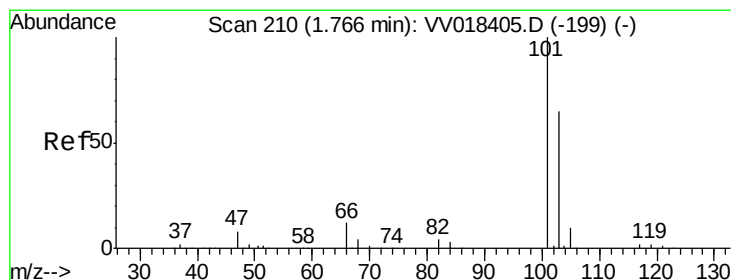
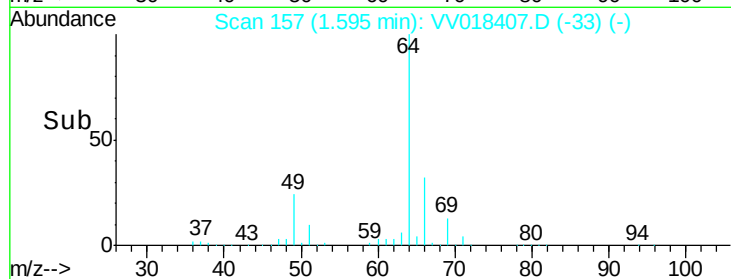
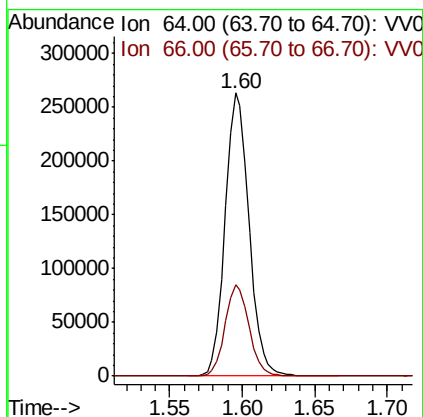
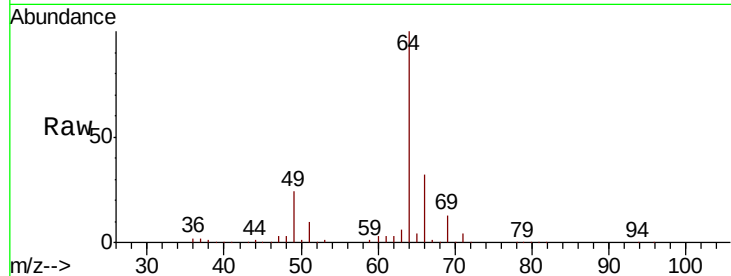




#8
Chloroethane
Concen: 183.359 ug/L
RT: 1.60 min Scan# 157
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

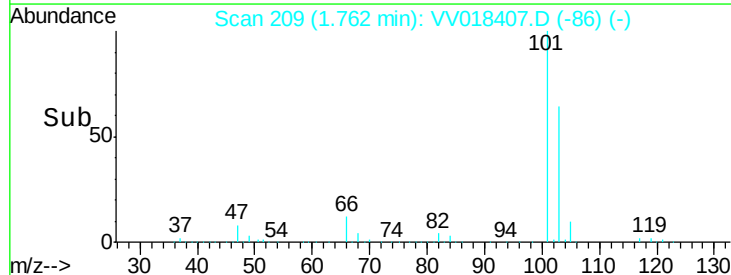
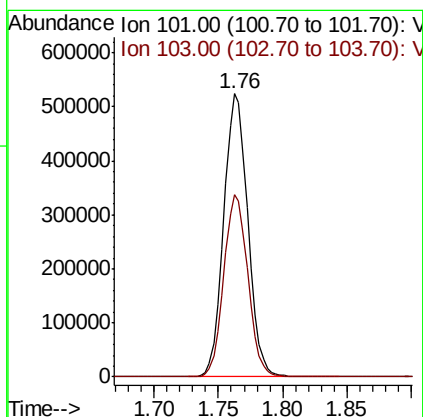
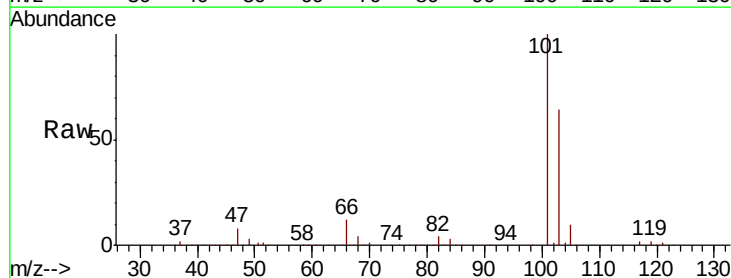
Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

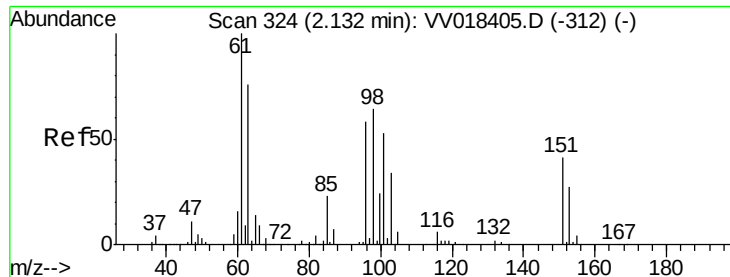
Tot Ion: 64 Resp: 300709
Ion Ratio Lower Upper
64 100
66 32.1 23.0 42.6



#9
Trichlorofluoromethane
Concen: 182.629 ug/L
RT: 1.76 min Scan# 209
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion:101 Resp: 678488
Ion Ratio Lower Upper
101 100
103 64.4 52.1 78.1





#10

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

Concen: 180.504 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD200305

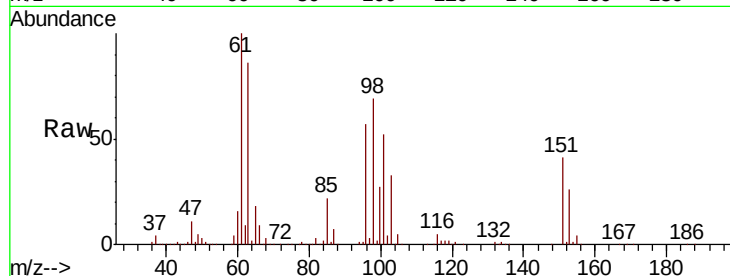
Tot Ion:101 Resp: 411053

Ion Ratio Lower Upper

101 100

85 42.5 34.6 51.8

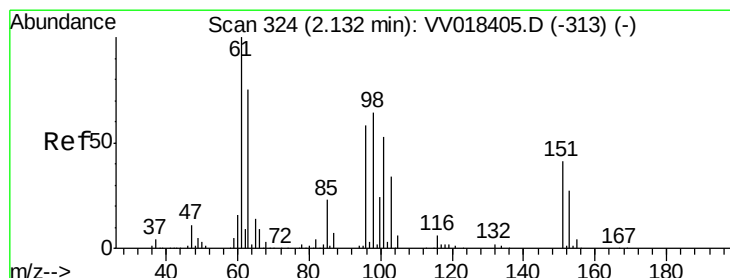
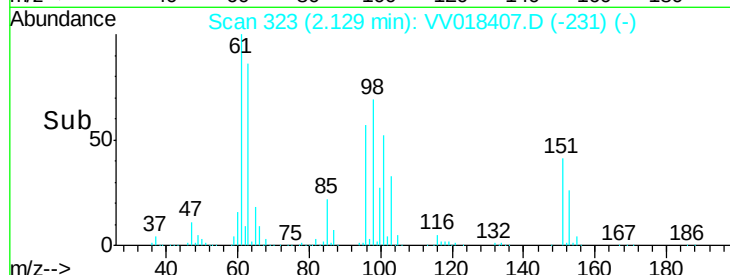
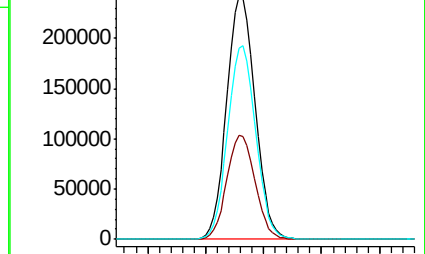
151 78.4 62.4 93.6



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: 185.607 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

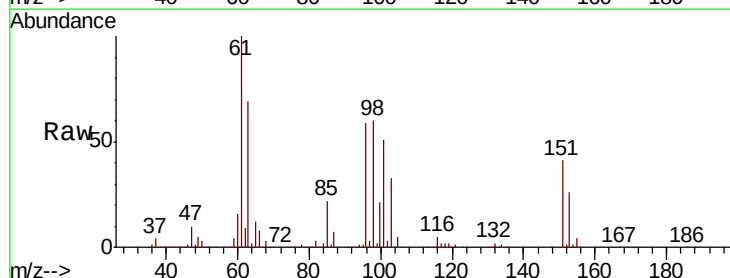
Tgt Ion: 96 Resp: 399000

Ion Ratio Lower Upper

96 100

61 170.0 121.0 224.8

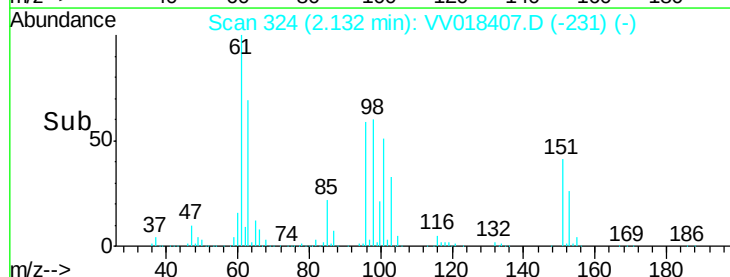
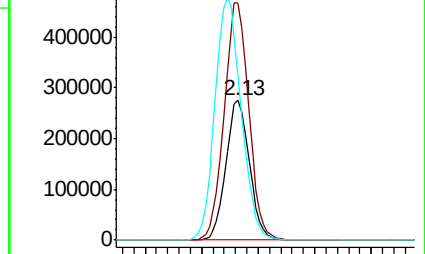
63 118.0 93.0 172.6

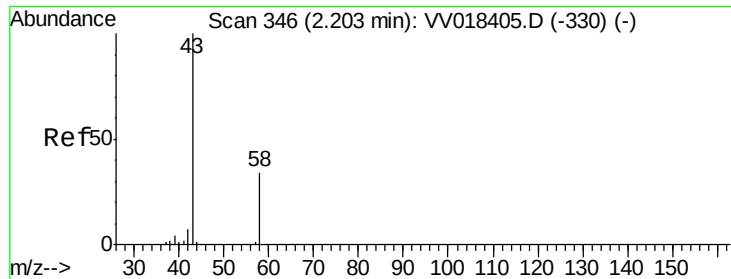


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 304.706 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

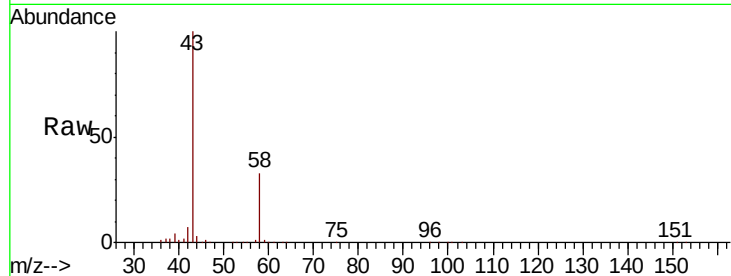
Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

Tot Ion: 43 Resp: 543333

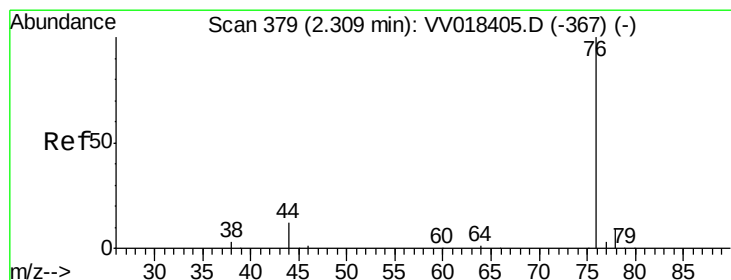
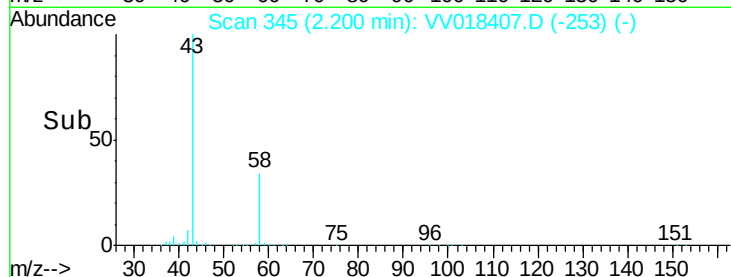
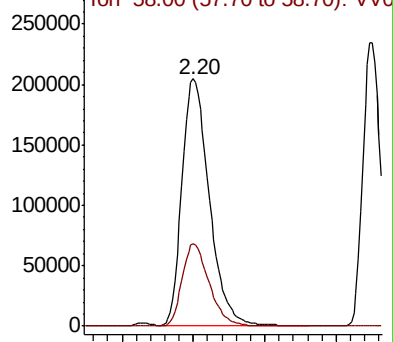
Ion Ratio Lower Upper

43 100

58 32.8 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018407.D (-253) (-)



#14

Carbon disulfide

Concen: 187.697 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV018407.D

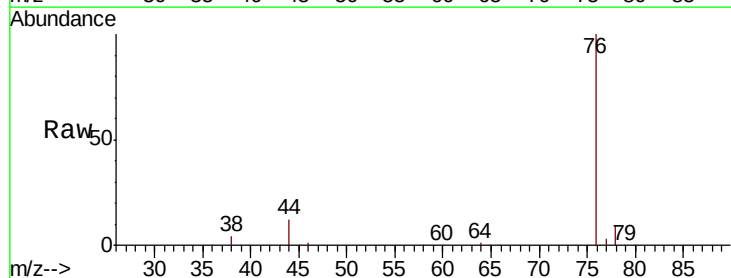
Acq: 23 Sep 2020 11:49

Tgt Ion: 76 Resp: 1156049

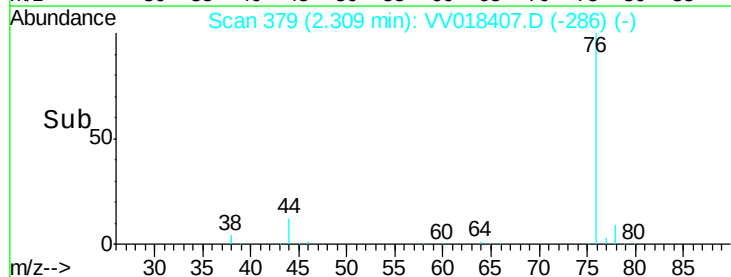
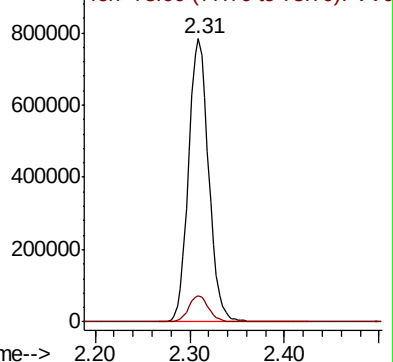
Ion Ratio Lower Upper

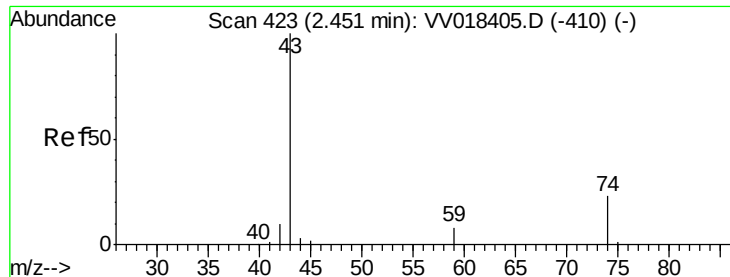
76 100

78 9.1 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018407.D (-286) (-)





#15

Methyl Acetate

Concen: 191.976 ug/L

RT: 2.45 min Scan# 422

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

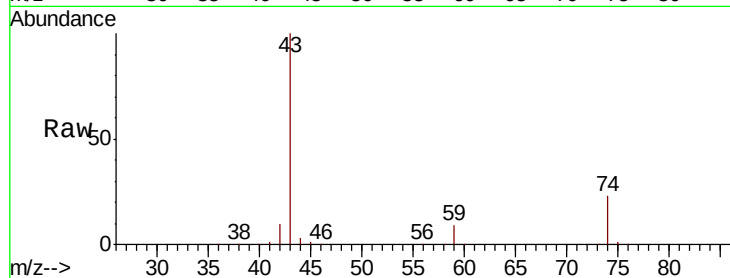
VSTD200305

Tot Ion: 43 Resp: 438841

Ion Ratio Lower Upper

43 100

74 23.5 18.4 27.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 74.00 (73.70 to 74.70): VV0

2.45

250000

200000

150000

100000

50000

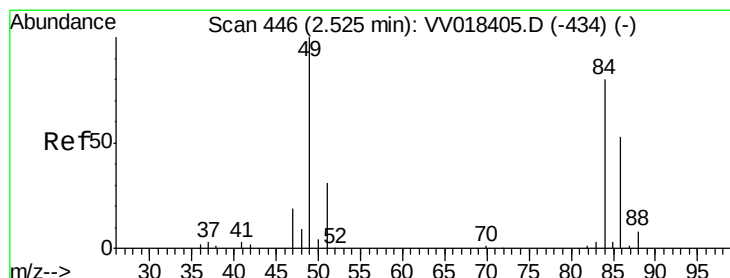
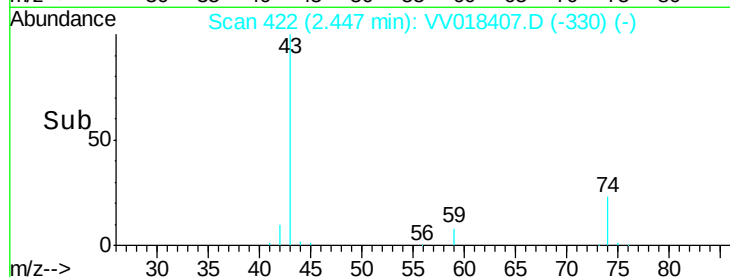
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Time-->

2.40

2.50

2.60



#16

Methylene chloride

Concen: 185.832 ug/L

RT: 2.52 min Scan# 446

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

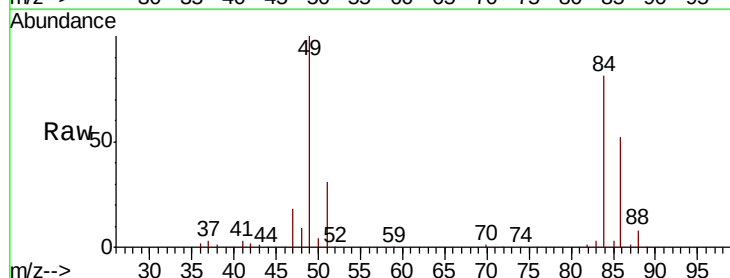
Tgt Ion: 84 Resp: 439382

Ion Ratio Lower Upper

84 100

86 64.4 46.0 85.4

49 123.8 87.5 162.5



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

2.52

400000

300000

200000

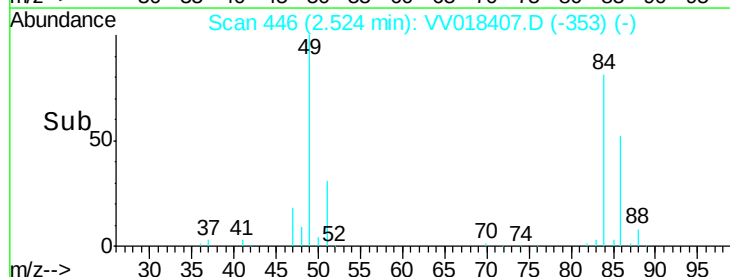
100000

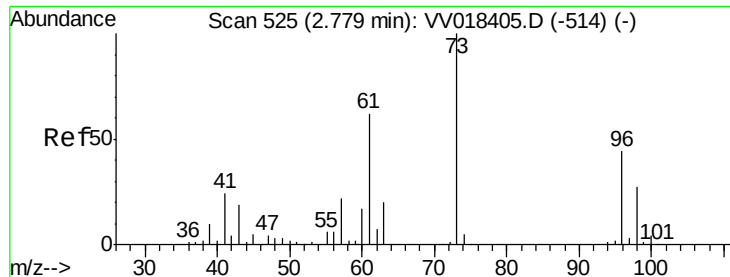
0

Time-->

2.50

2.60

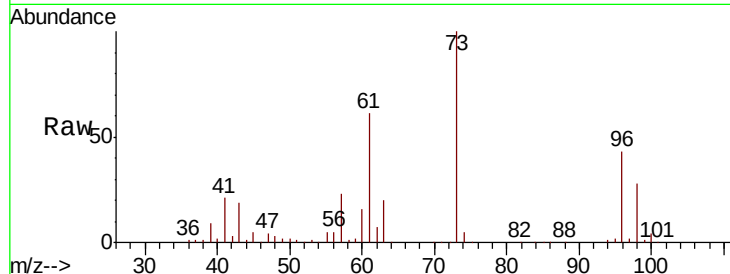




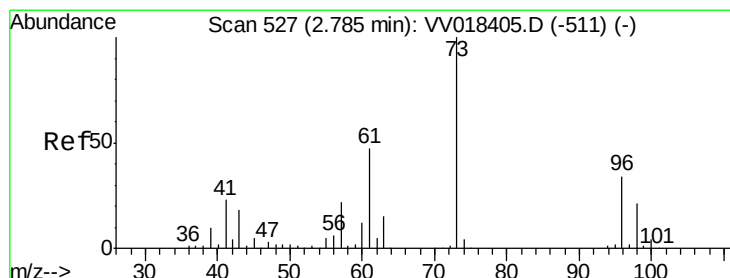
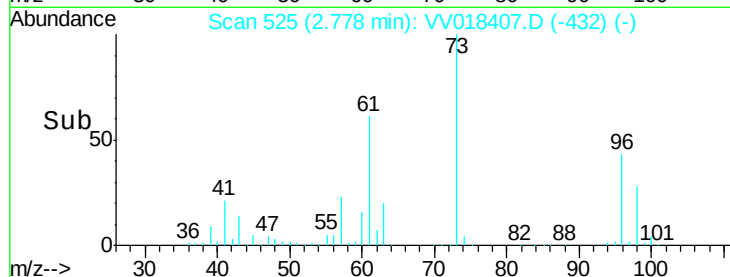
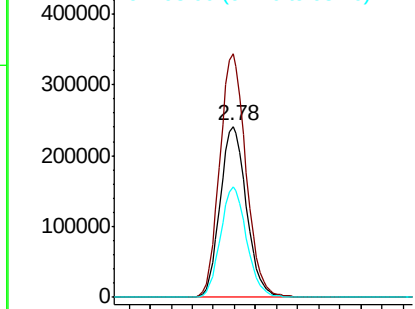
#17
trans-1,2-Dichloroethene
Concen: 188.005 ug/L
RT: 2.78 min Scan# 525
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

Tot Ion: 96 Resp: 416807
Ion Ratio Lower Upper
96 100
61 142.3 98.3 182.5
98 64.9 43.5 80.7

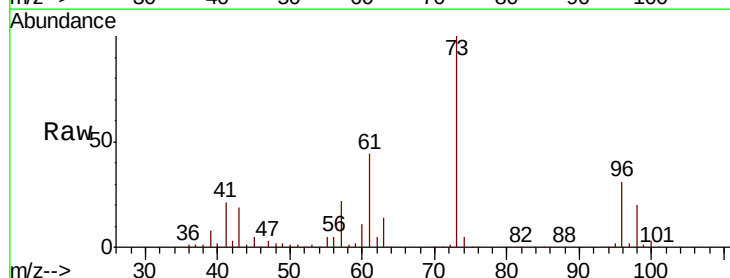


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

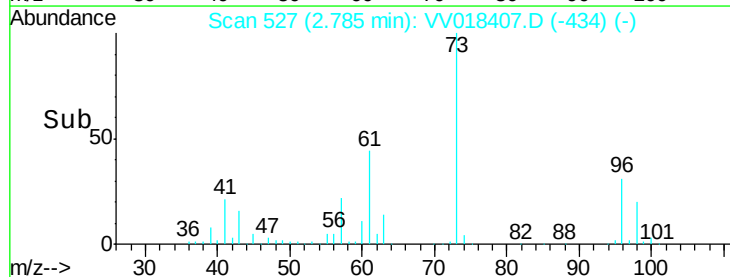
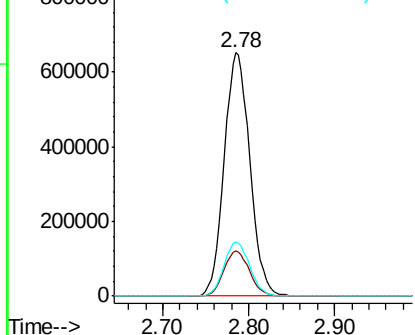


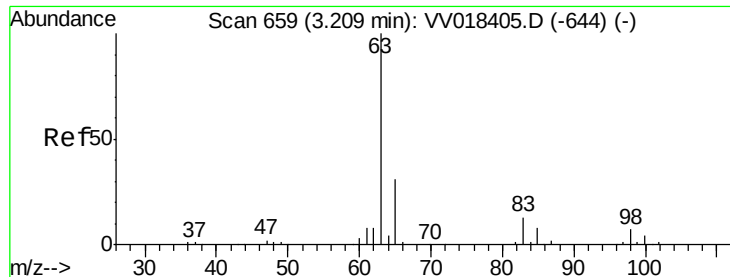
#18
Methyl tert-butyl Ether
Concen: 197.940 ug/L
RT: 2.78 min Scan# 527
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 73 Resp: 1348817
Ion Ratio Lower Upper
73 100
43 18.5 15.4 23.2
57 22.3 17.8 26.6



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: 186.204 ug/L

RT: 3.21 min Scan# 660

Delta R.T. 0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD200305

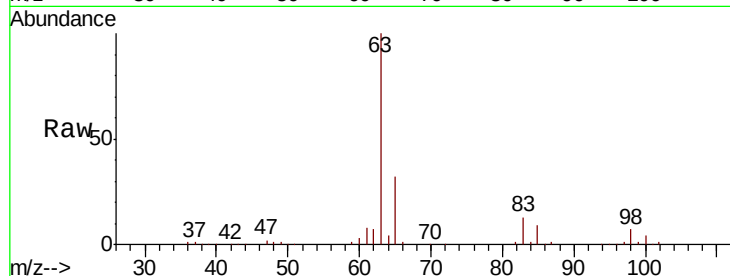
Tot Ion: 63 Resp: 785684

Ion Ratio Lower Upper

63 100

65 32.2 21.8 40.6

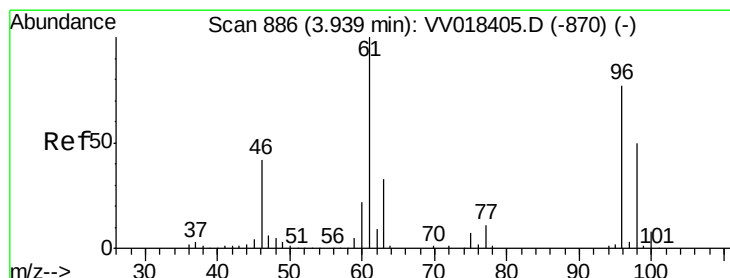
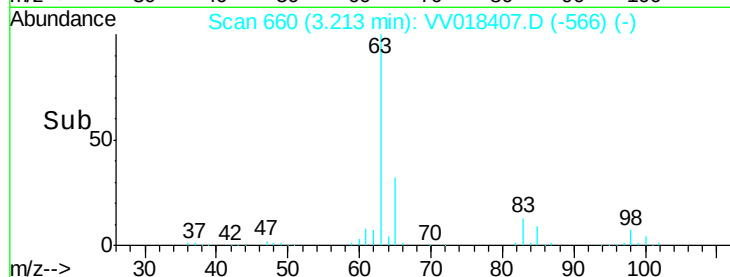
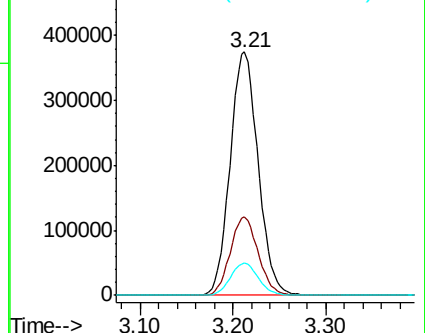
83 13.2 9.2 17.2



Abundance Ion 63.00 (62.70 to 63.70): VV018407.D (-644) (-)

Ion 65.00 (64.70 to 65.70): VV018407.D (-644) (-)

Ion 83.00 (82.70 to 83.70): VV018407.D (-644) (-)



#20

cis-1,2-Dichloroethene

Concen: 195.314 ug/L

RT: 3.94 min Scan# 886

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

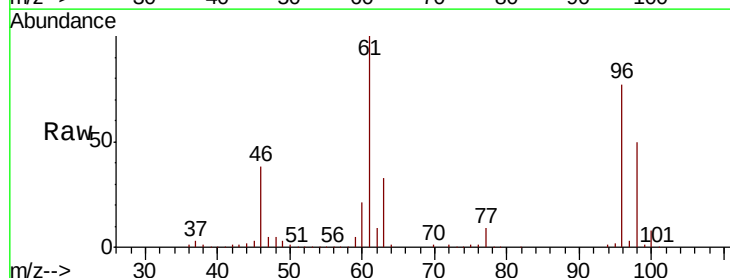
Tgt Ion: 96 Resp: 466268

Ion Ratio Lower Upper

96 100

61 129.3 90.4 167.8

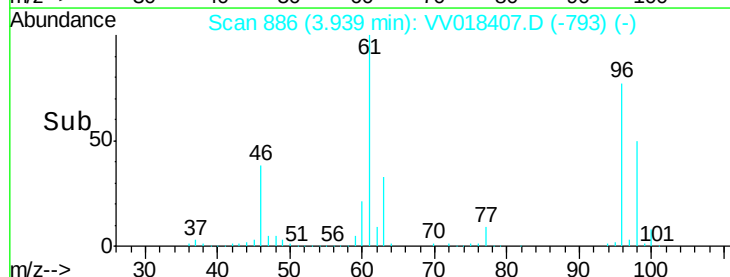
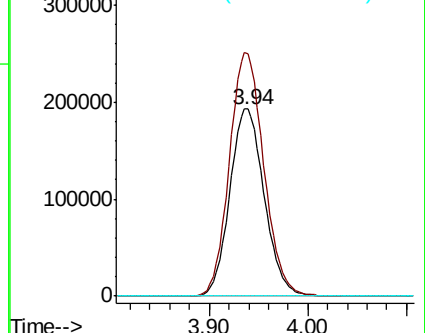
68 0.0 0.0 0.0

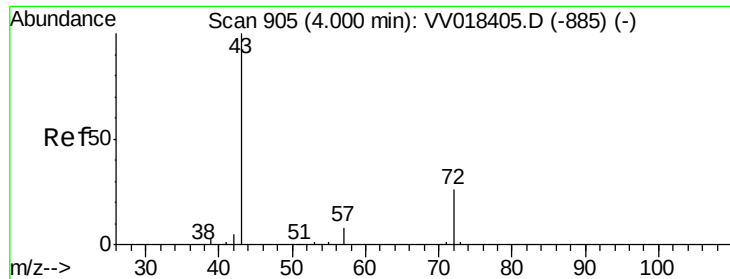


Abundance Ion 96.00 (95.70 to 96.70): VV018407.D (-793) (-)

Ion 61.00 (60.70 to 61.70): VV018407.D (-793) (-)

Ion 68.00 (67.70 to 68.70): VV018407.D (-793) (-)





#22

2-Butanone

Concen: 361.713 ug/L

RT: 4.00 min Scan# 904

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

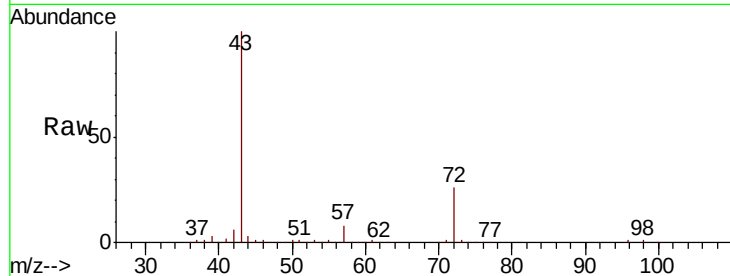
VSTD200305

Tot Ion: 43 Resp: 690456

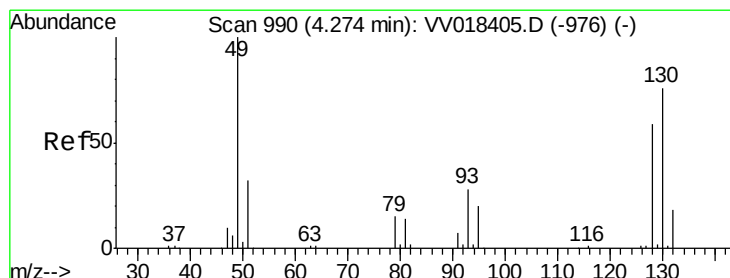
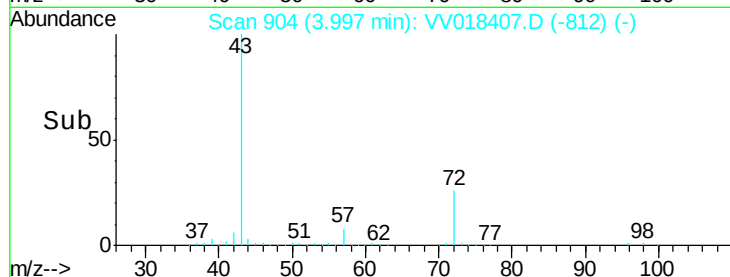
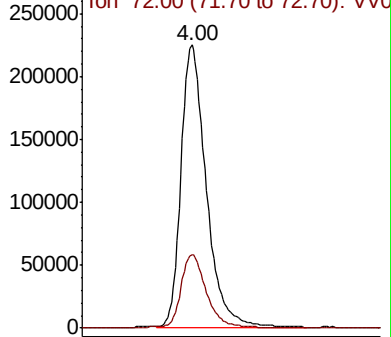
Ion Ratio Lower Upper

43 100

72 25.8 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV018407.D (-885) (-)



#23

Bromochloromethane

Concen: 186.853 ug/L

RT: 4.27 min Scan# 990

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Tgt Ion: 128 Resp: 236189

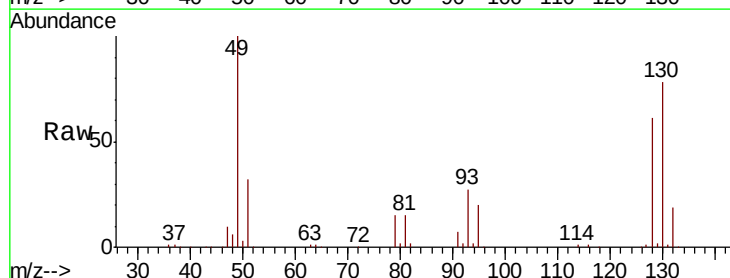
Ion Ratio Lower Upper

128 100

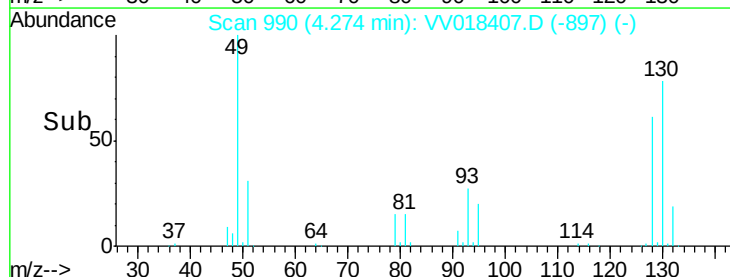
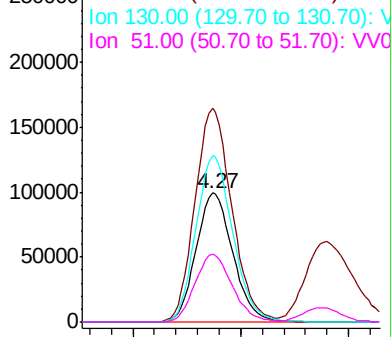
49 165.3 120.3 223.3

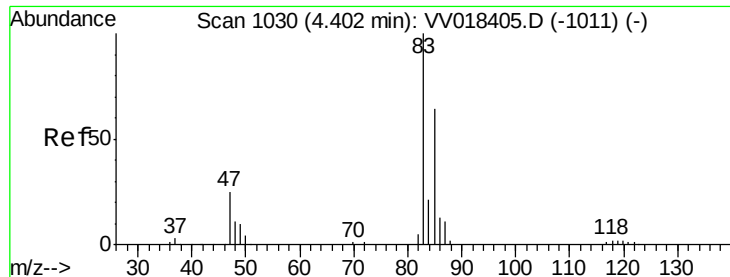
130 128.6 91.3 169.5

51 52.3 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VV018407.D (-897) (-)

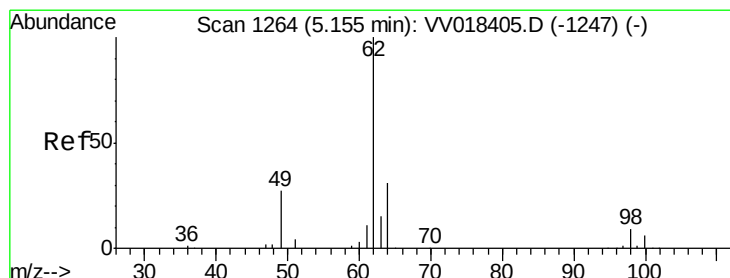
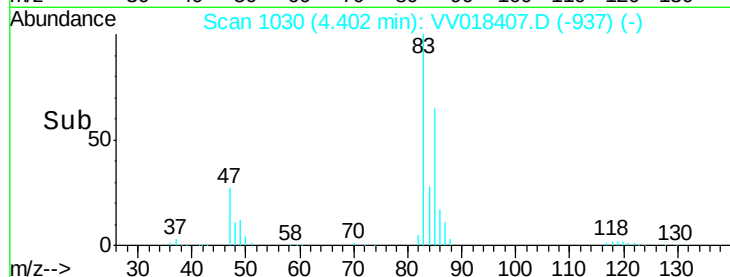
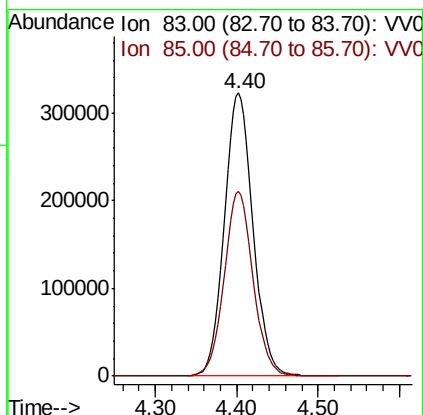
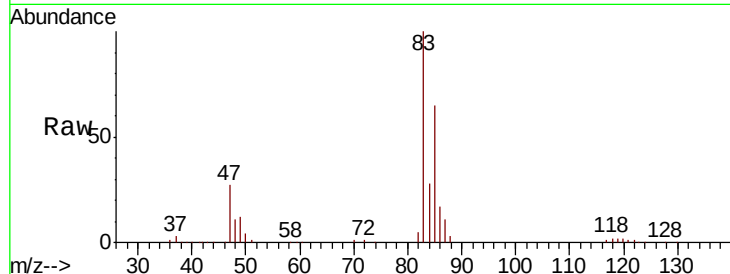




#25
Chloroform
Concen: 185.418 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

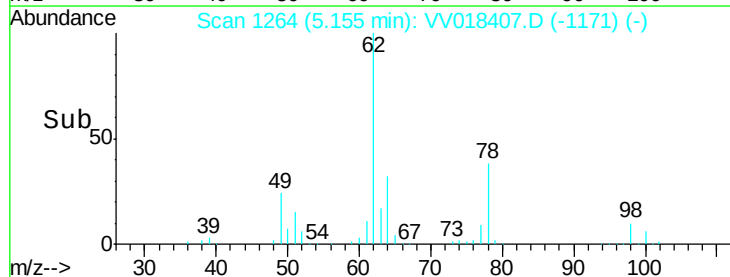
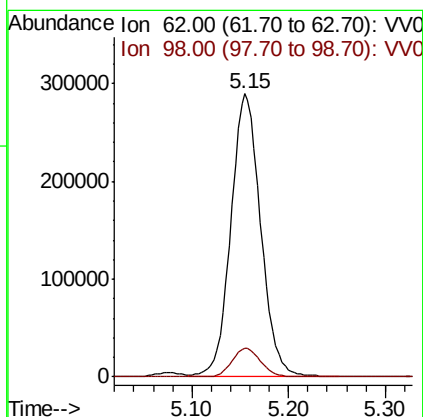
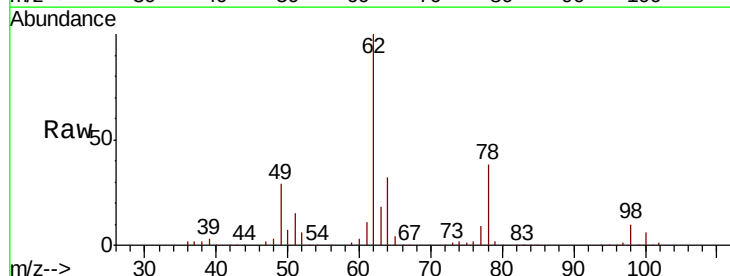
Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

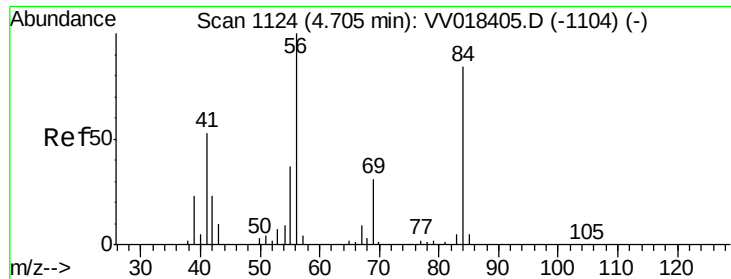
Tot Ion: 83 Resp: 796423
Ion Ratio Lower Upper
83 100
85 65.3 45.2 84.0



#27
1,2-Dichloroethane
Concen: 185.937 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 62 Resp: 617713
Ion Ratio Lower Upper
62 100
98 10.1 7.4 11.2

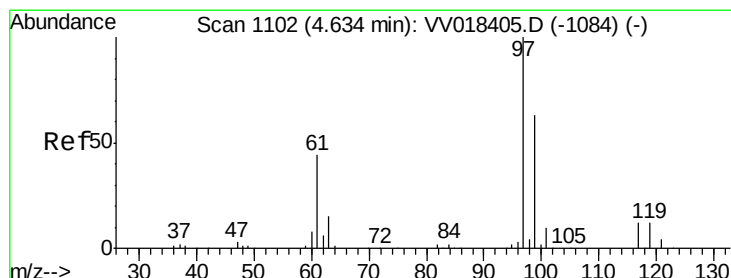
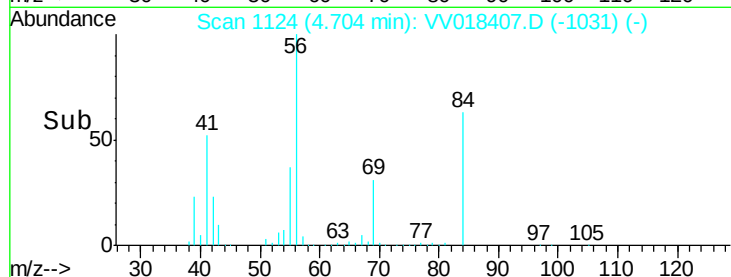
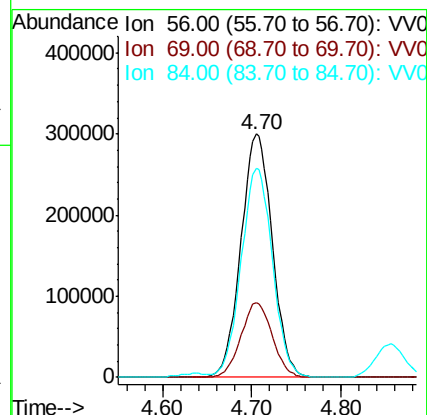
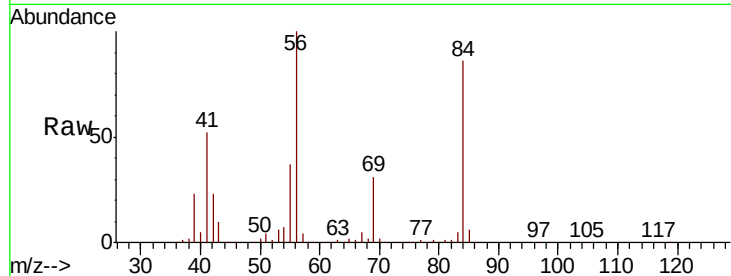




#29
Cyclohexane
Concen: 195.188 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

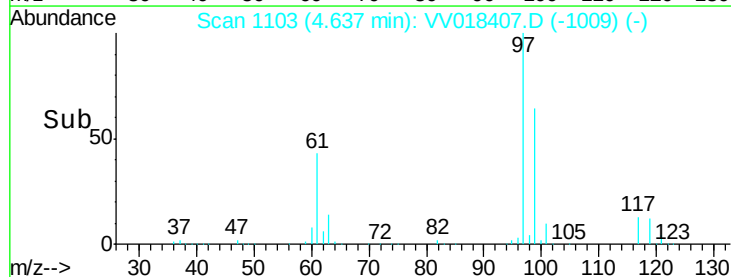
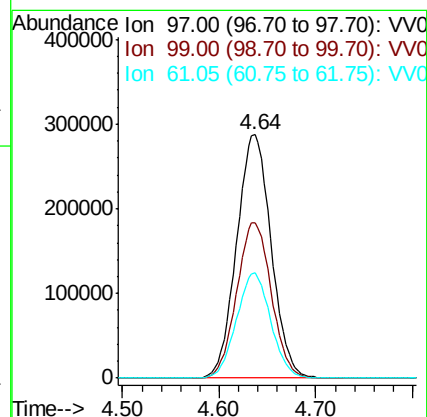
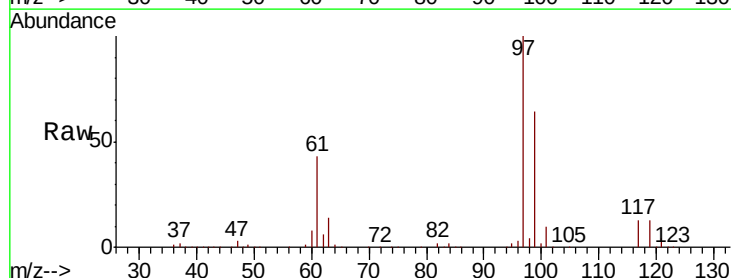
Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

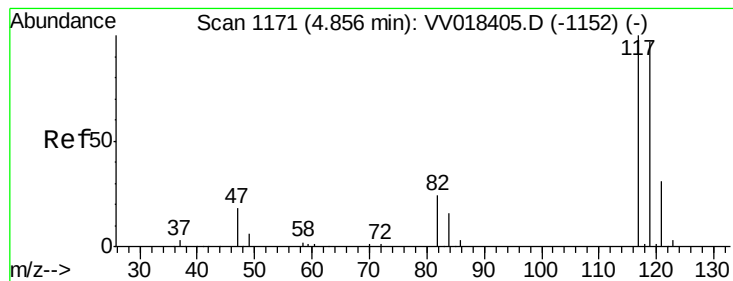
Tot Ion: 56 Resp: 732301
Ion Ratio Lower Upper
56 100
69 30.7 24.4 36.6
84 86.2 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 189.069 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 97 Resp: 712683
Ion Ratio Lower Upper
97 100
99 64.1 50.7 76.1
61 43.1 35.0 52.6





#31

Carbon tetrachloride

Concen: 190.540 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

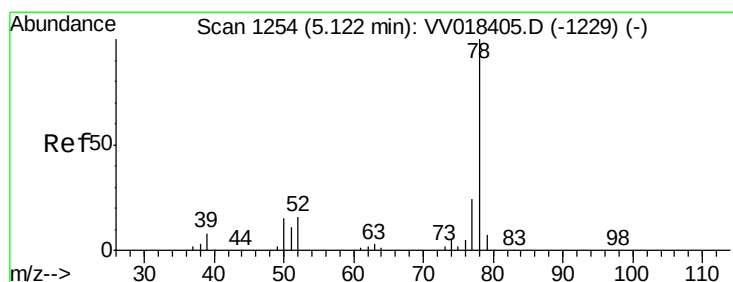
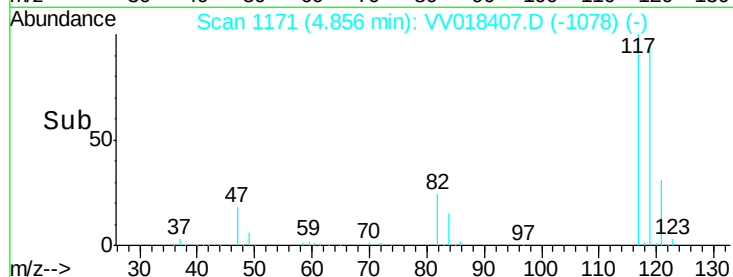
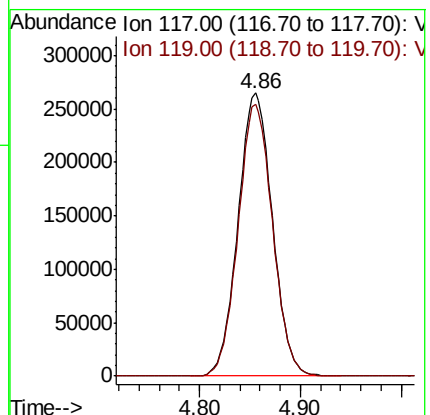
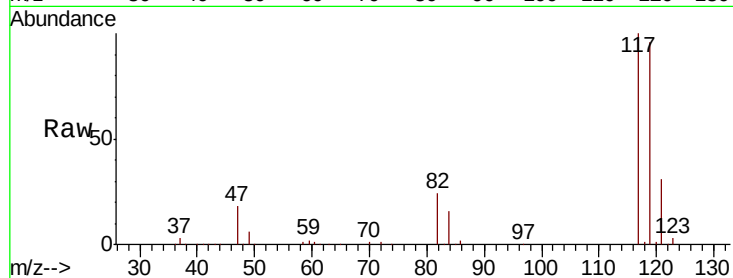
VSTD200305

Tot Ion:117 Resp: 624602

Ion Ratio Lower Upper

117 100

119 96.3 76.7 115.1



#33

Benzene

Concen: 189.098 ug/L

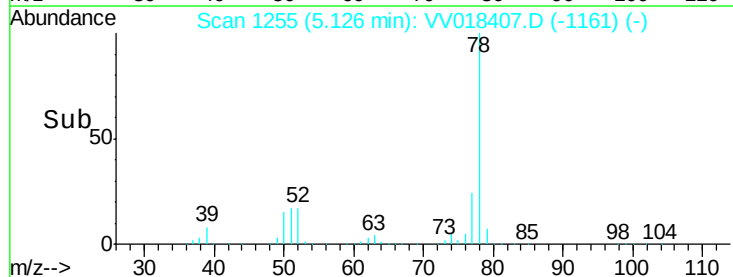
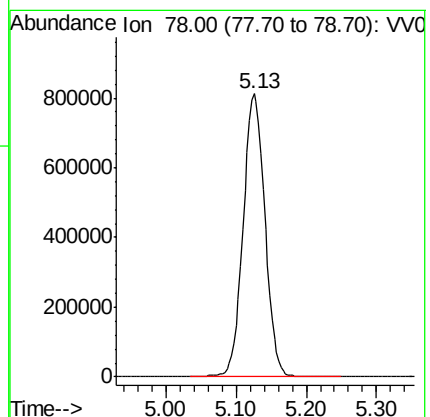
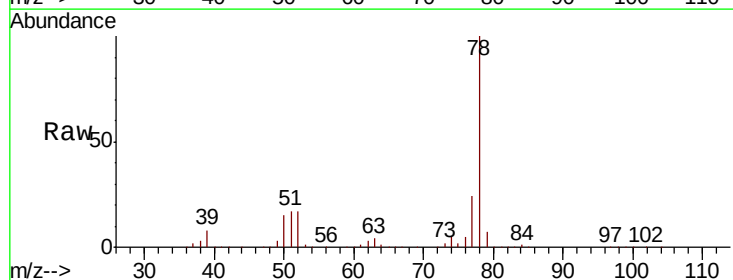
RT: 5.13 min Scan# 1255

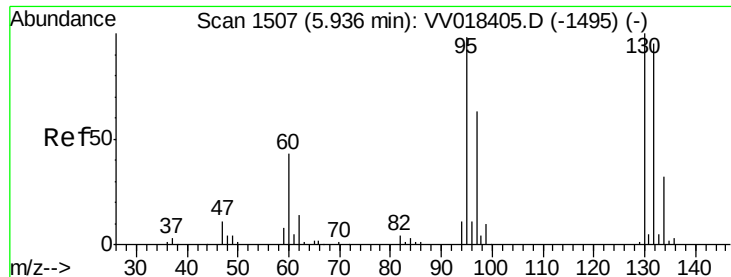
Delta R.T. 0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Tgt Ion: 78 Resp: 1749221





#34

Trichloroethene

Concen: 187.440 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD200305

Tot Ion: 95 Resp: 462428

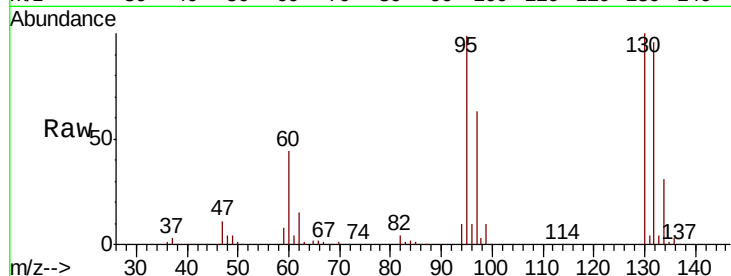
Ion Ratio Lower Upper

95 100

97 64.3 44.7 83.1

132 97.5 67.8 126.0

130 101.5 71.5 132.7

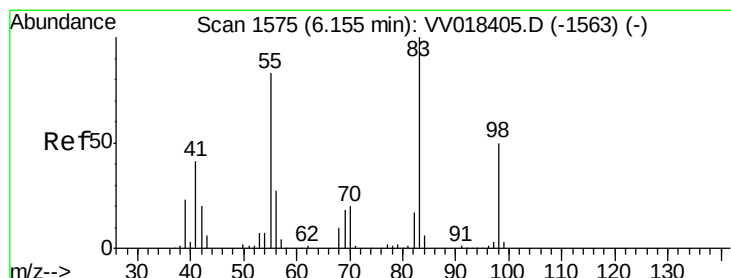
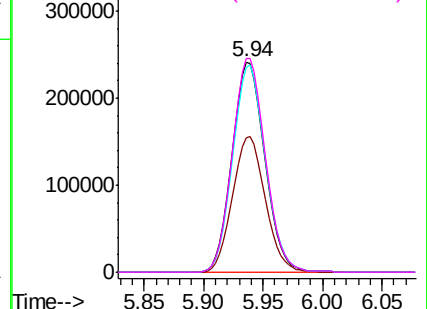
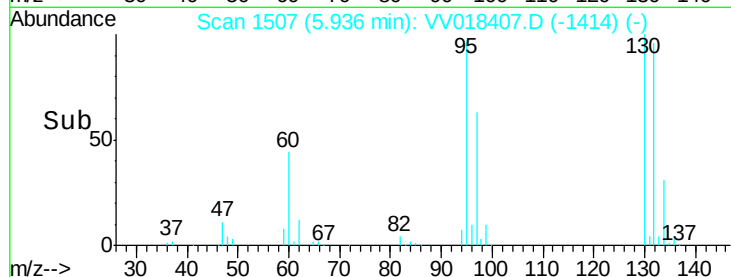


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 192.439 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

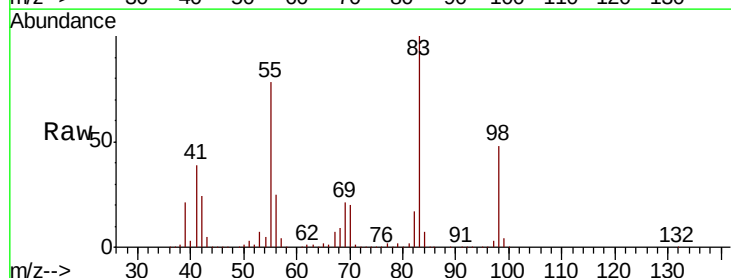
Tgt Ion: 83 Resp: 749449

Ion Ratio Lower Upper

83 100

55 77.7 63.6 95.4

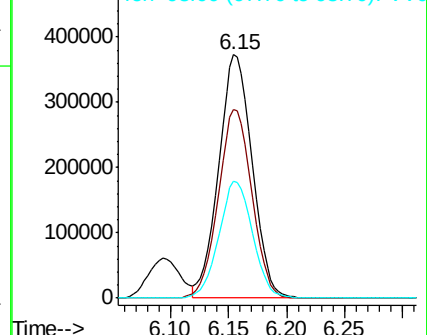
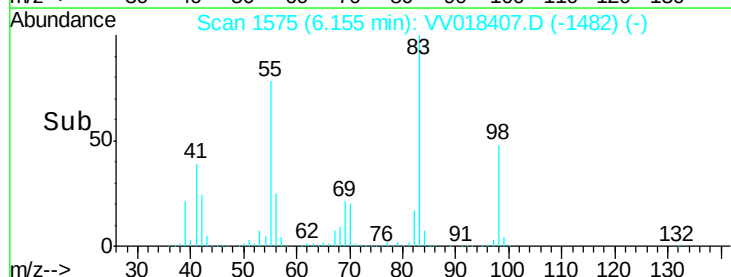
98 48.4 38.6 58.0

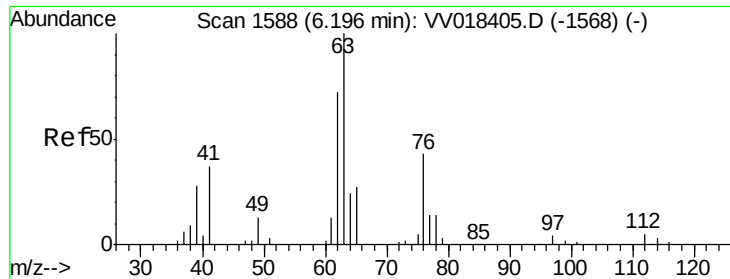


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

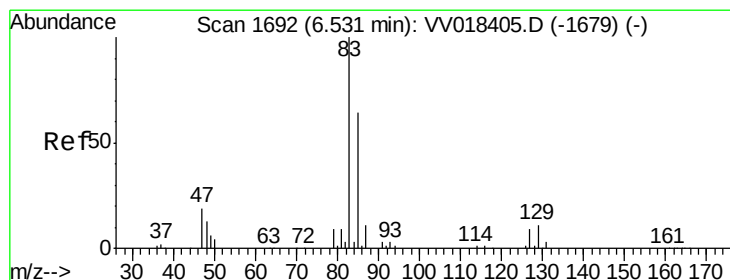
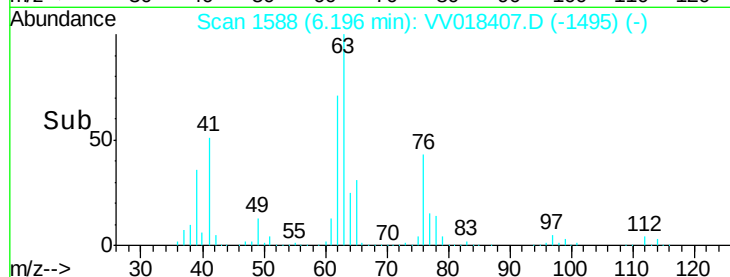
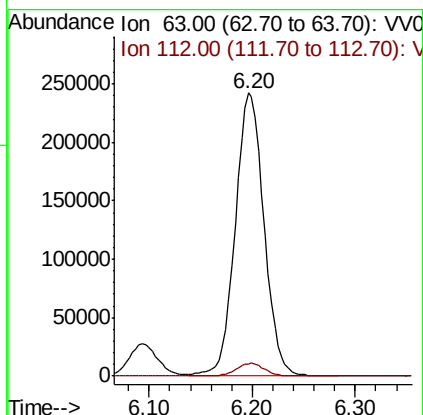
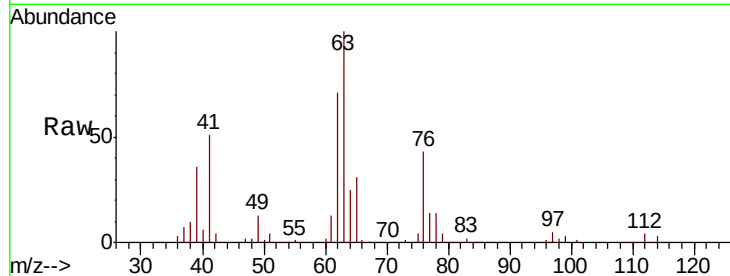




#37
 1,2-Dichloropropane
 Concen: 187.478 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

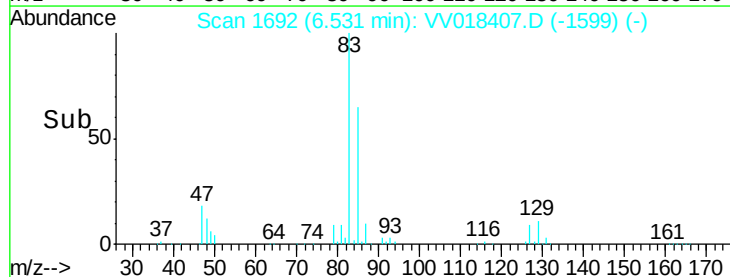
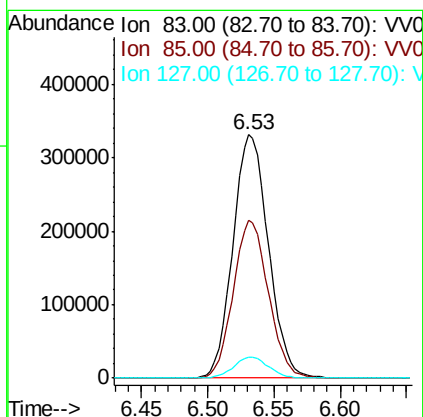
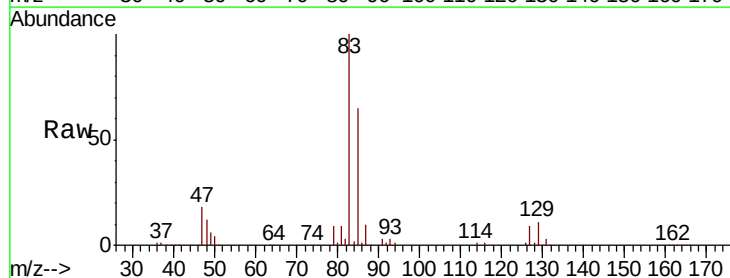
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

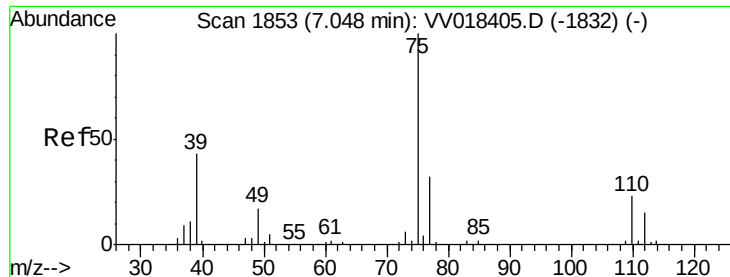
Tot Ion: 63 Resp: 468706
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.7 5.5



#38
 Bromodichloromethane
 Concen: 194.890 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Tgt Ion: 83 Resp: 615545
 Ion Ratio Lower Upper
 83 100
 85 64.7 45.1 83.9
 127 8.8 6.8 10.2

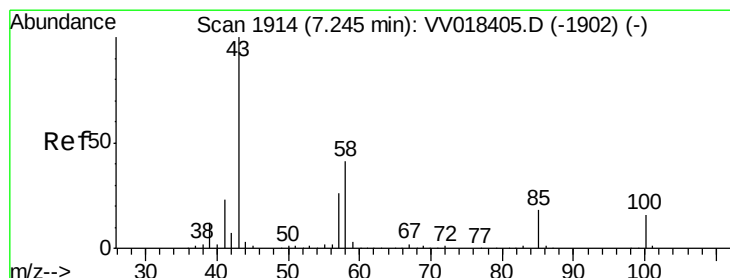
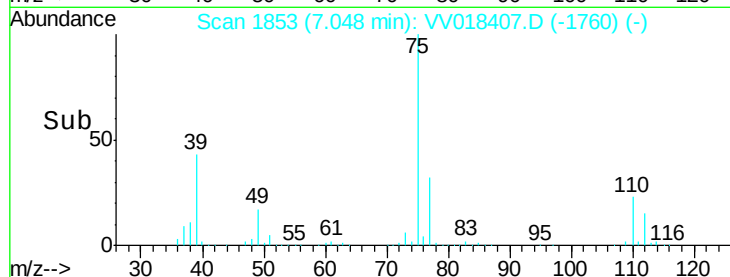
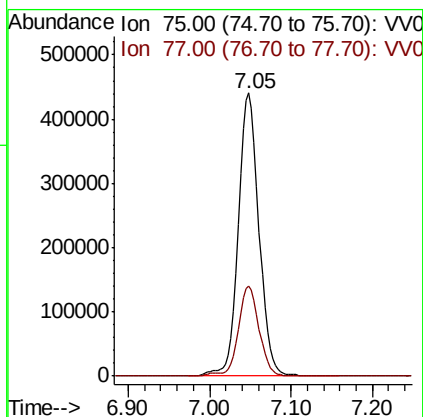
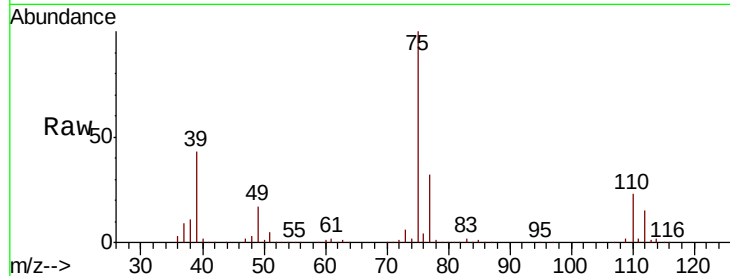




#39
 cis-1,3-Dichloropropene
 Concen: 204.571 ug/L
 RT: 7.05 min Scan# 1853
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

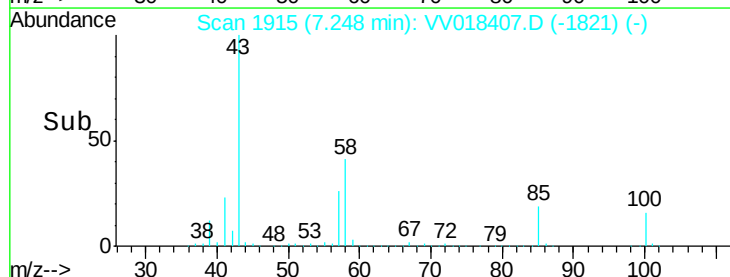
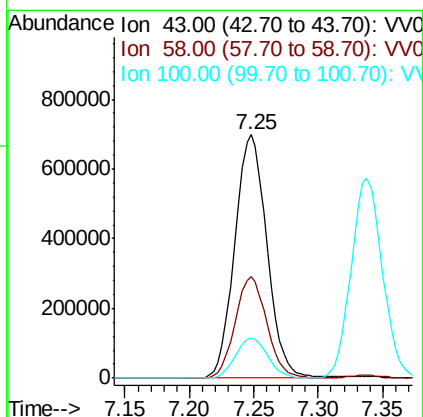
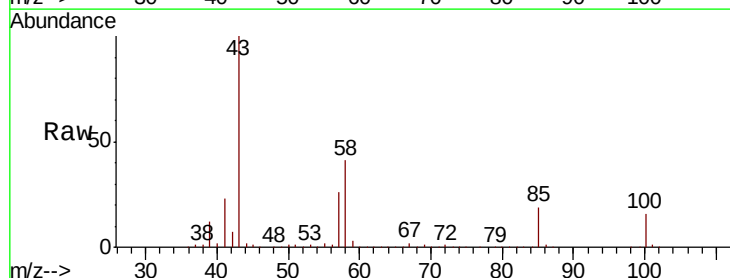
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

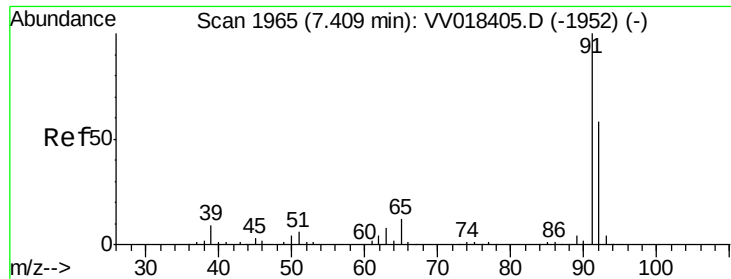
Tot Ion: 75 Resp: 774821
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.7 42.1



#40
 4-Methyl-2-pentanone
 Concen: 404.968 ug/L
 RT: 7.25 min Scan# 1915
 Delta R.T. 0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Tgt Ion: 43 Resp: 1208471
 Ion Ratio Lower Upper
 43 100
 58 41.1 32.4 48.6
 100 16.5 13.0 19.4





#42

Toluene

Concen: 190.882 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

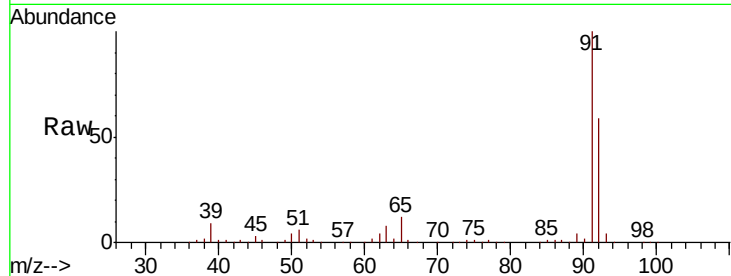
VSTD200305

Tot Ion: 91 Resp: 1911390

Ion Ratio Lower Upper

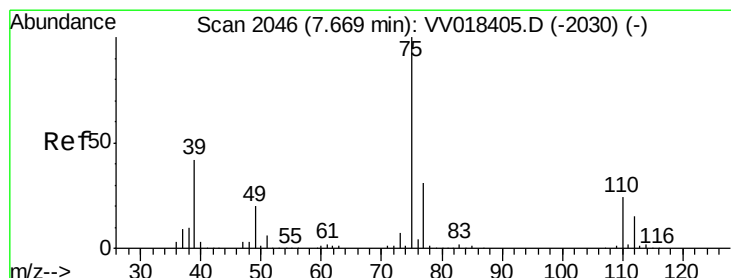
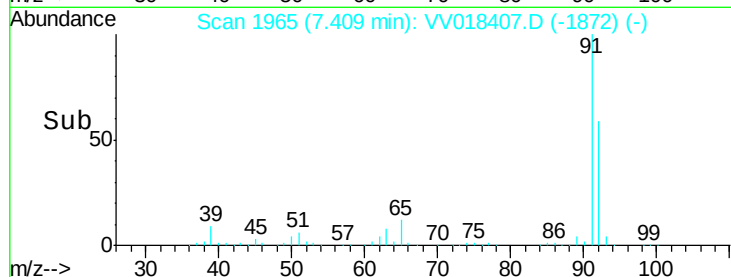
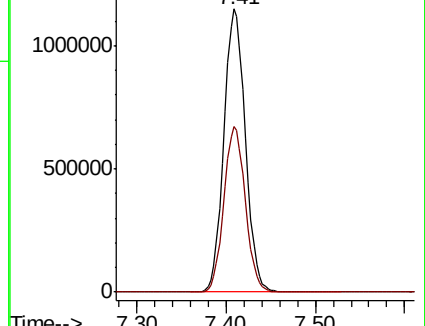
91 100

92 58.5 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0



#44

trans-1,3-Dichloropropene

Concen: 202.999 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.00 min

Lab File: VV018407.D

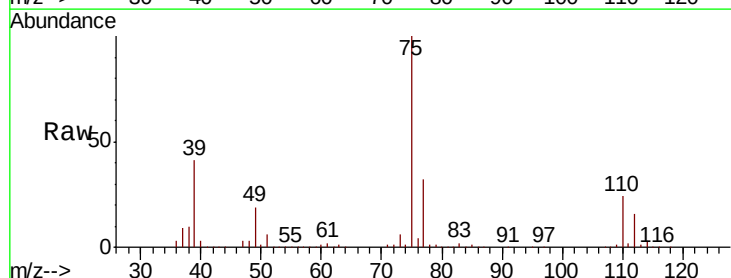
Acq: 23 Sep 2020 11:49

Tgt Ion: 75 Resp: 759753

Ion Ratio Lower Upper

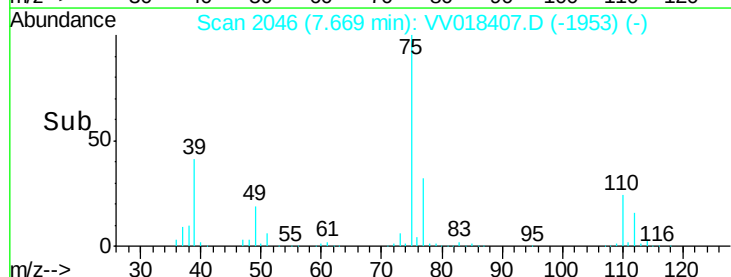
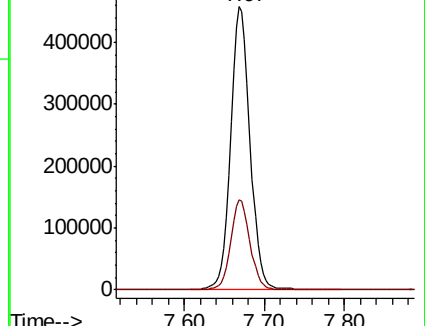
75 100

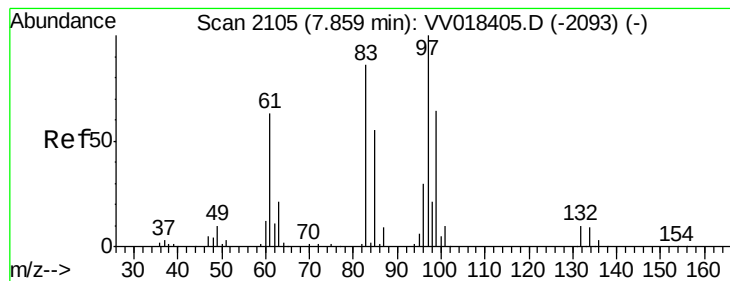
77 32.0 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

1,1,2-Trichloroethane

Concen: 191.843 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD200305

Tot Ion: 97 Resp: 440345

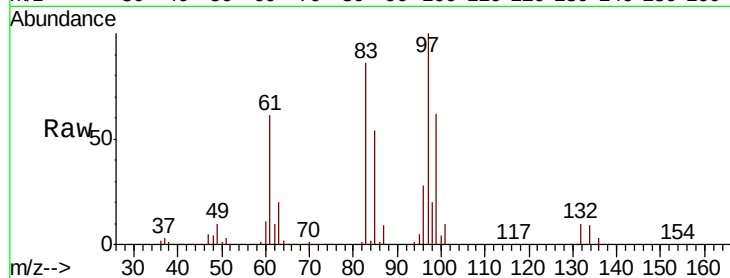
Ion Ratio Lower Upper

97 100

99 61.8 44.6 82.8

83 85.7 60.5 112.5

85 54.5 38.2 71.0



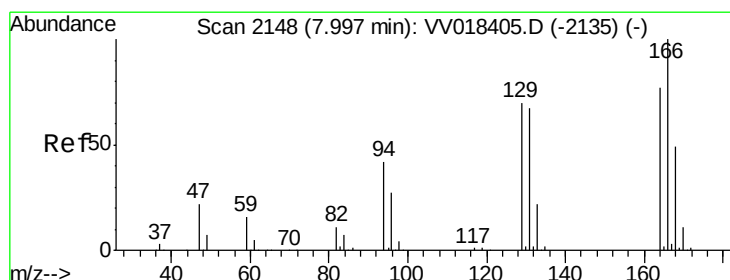
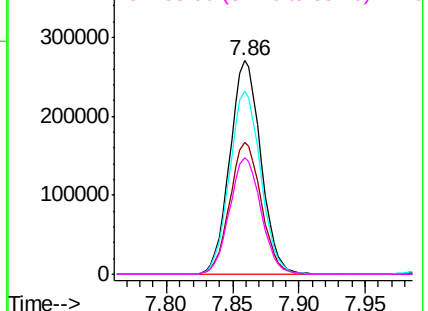
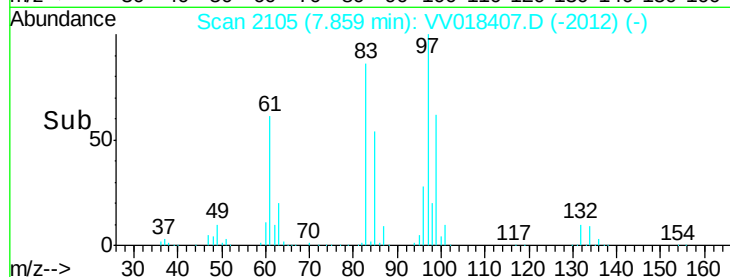
Abundance

Ion 97.00 (96.70 to 97.70): VV018407.D (-2093) (-)

Ion 99.00 (98.70 to 99.70): VV018407.D (-2093) (-)

Ion 83.00 (82.70 to 83.70): VV018407.D (-2093) (-)

Ion 85.00 (84.70 to 85.70): VV018407.D (-2093) (-)



#46

Tetrachloroethene

Concen: 191.184 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Tgt Ion: 164 Resp: 382345

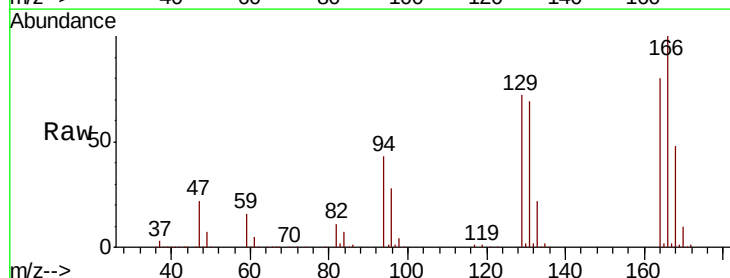
Ion Ratio Lower Upper

164 100

129 90.0 63.7 118.3

131 86.7 60.6 112.6

166 125.8 90.6 168.3



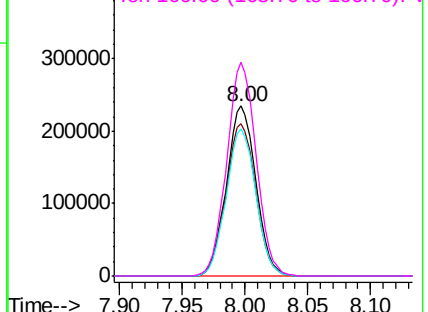
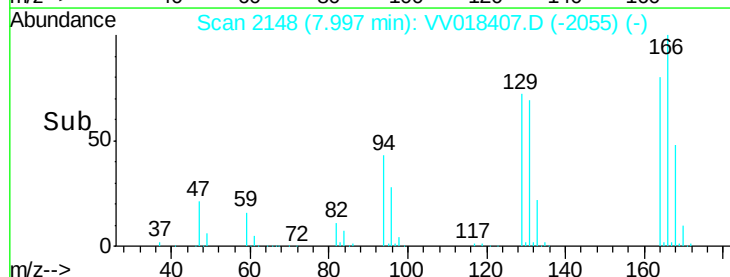
Abundance

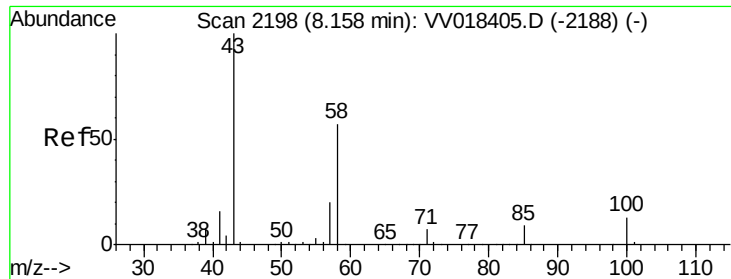
Ion 164.00 (163.70 to 164.70): VV018407.D (-2135) (-)

Ion 129.00 (128.70 to 129.70): VV018407.D (-2135) (-)

Ion 131.00 (130.70 to 131.70): VV018407.D (-2135) (-)

Ion 166.00 (165.70 to 166.70): VV018407.D (-2135) (-)

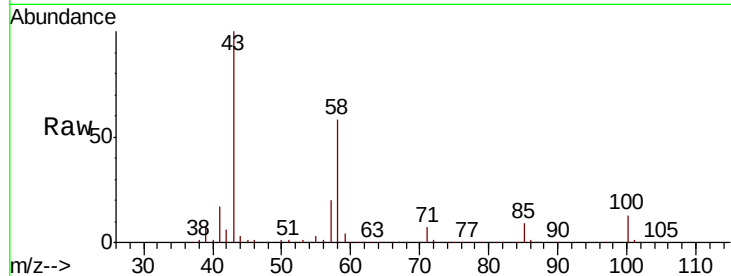




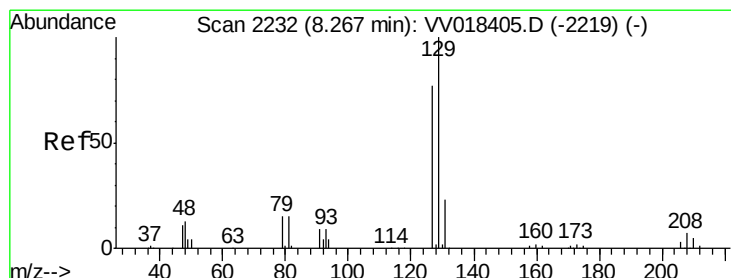
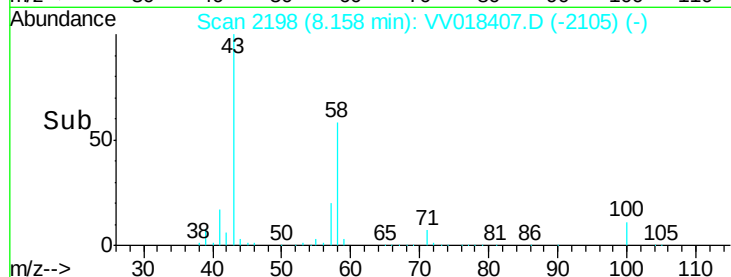
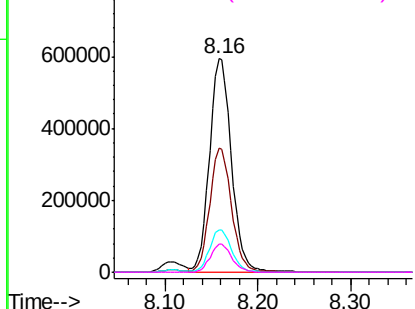
#48
2-Hexanone
Concen: 377.414 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

Tot Ion: 43 Resp: 973645
Ion Ratio Lower Upper
43 100
58 57.6 45.4 68.0
57 20.1 16.0 24.0
100 13.0 10.1 15.1

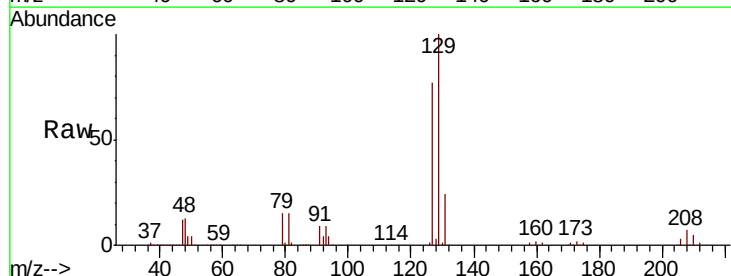


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

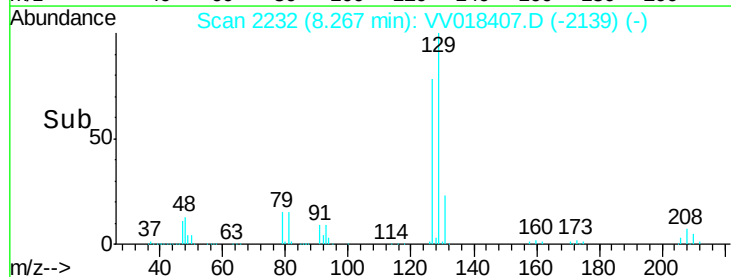
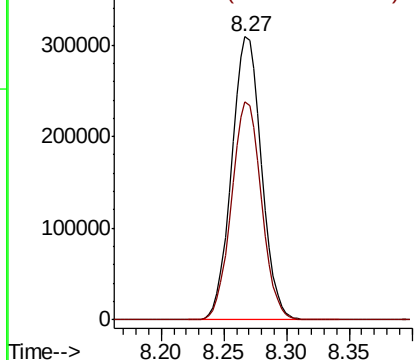


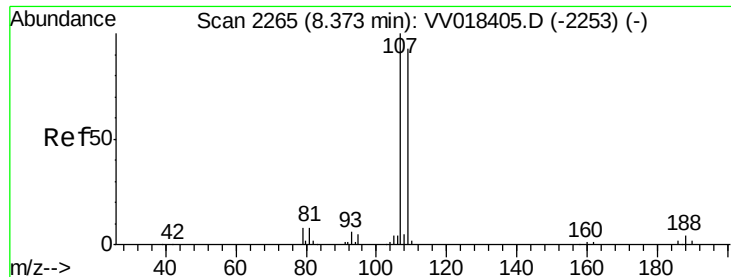
#49
Dibromochloromethane
Concen: 199.081 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion: 129 Resp: 511791
Ion Ratio Lower Upper
129 100
127 76.9 53.5 99.5



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

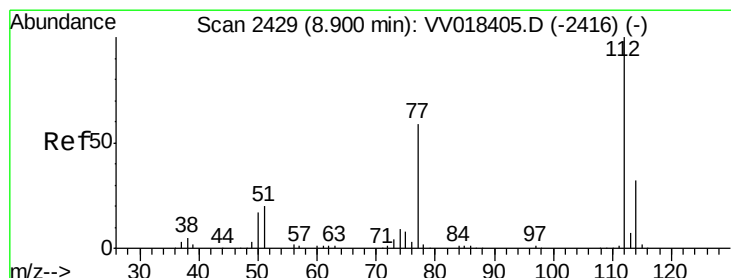
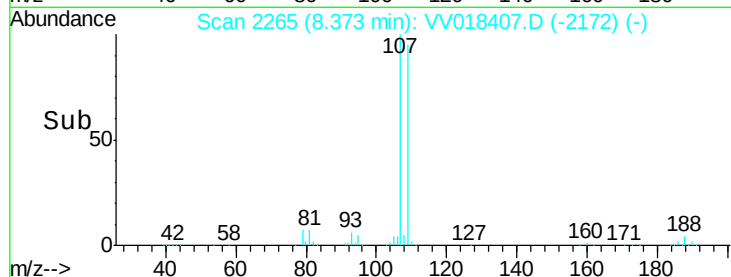
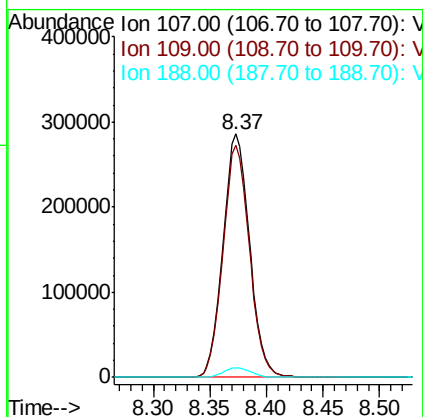
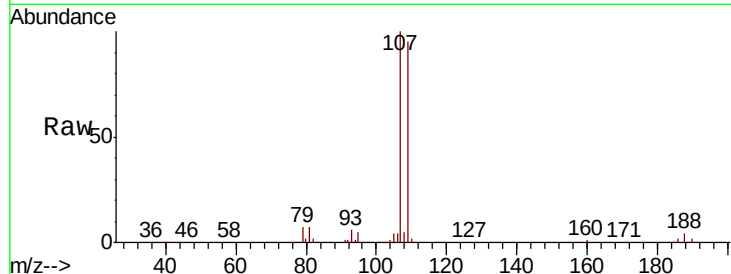




#50
 1,2-Dibromoethane
 Concen: 195.297 ug/L
 RT: 8.37 min Scan# 2265
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

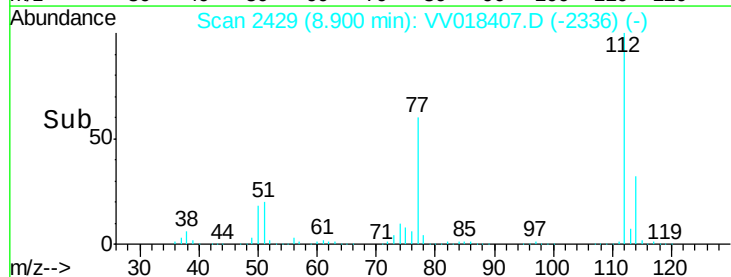
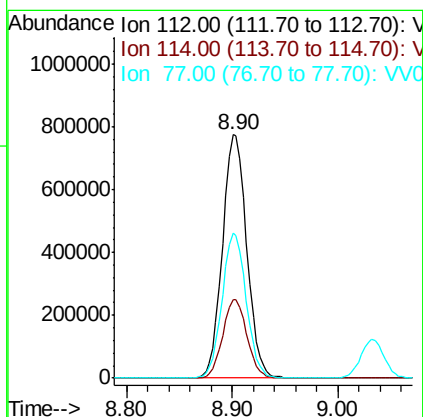
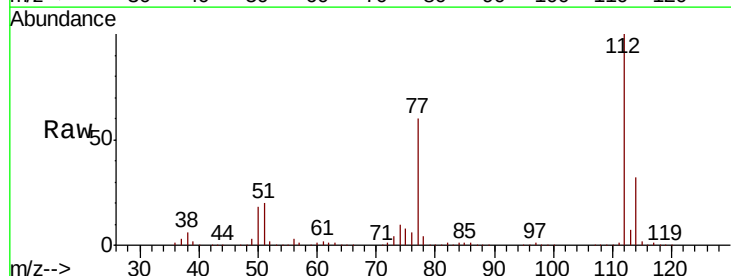
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

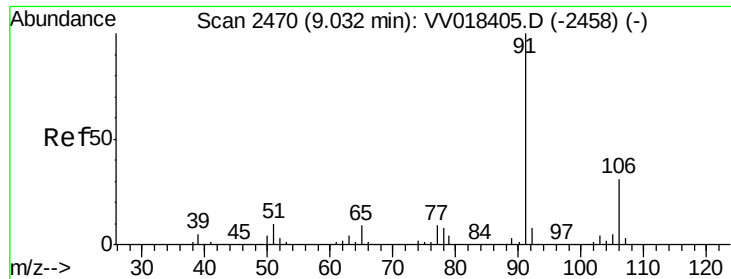
Tot Ion	Ratio	Lower	Upper
107	100		
109	95.2	64.9	120.5
188	4.0	3.4	5.0



#51
 Chlorobenzene
 Concen: 191.354 ug/L
 RT: 8.90 min Scan# 2429
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.1	22.2	41.2
77	59.5	47.4	71.2





#52

Ethylbenzene

Concen: 197.024 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

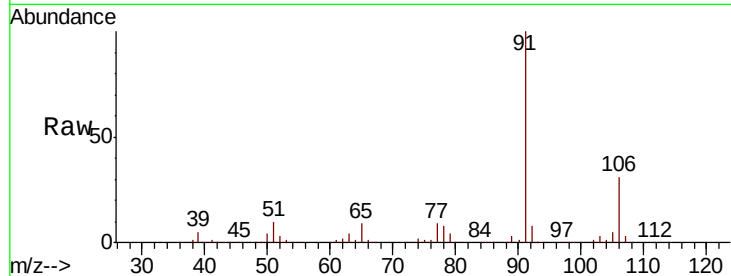
VSTD200305

Tot Ion: 91 Resp: 2166270

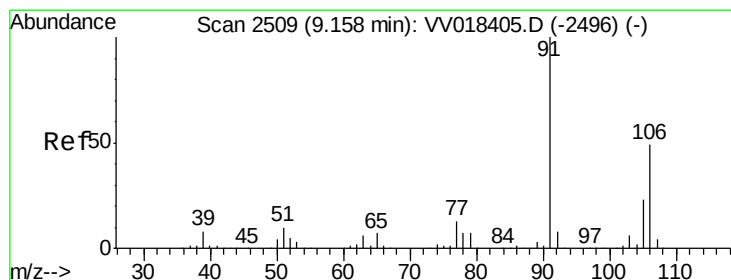
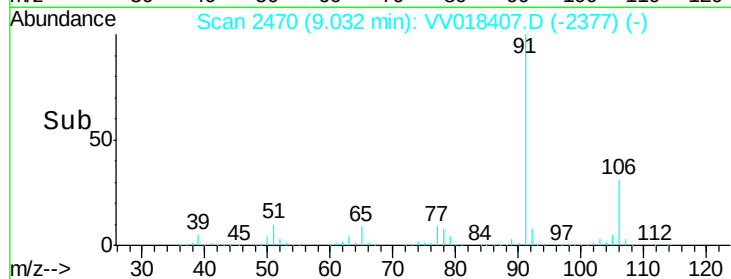
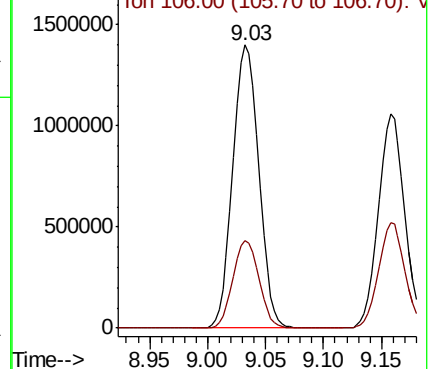
Ion Ratio Lower Upper

91 100

106 31.0 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV018407.D (-2377) (-)



#53

m,p-Xylene

Concen: 198.558 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. -0.00 min

Lab File: VV018407.D

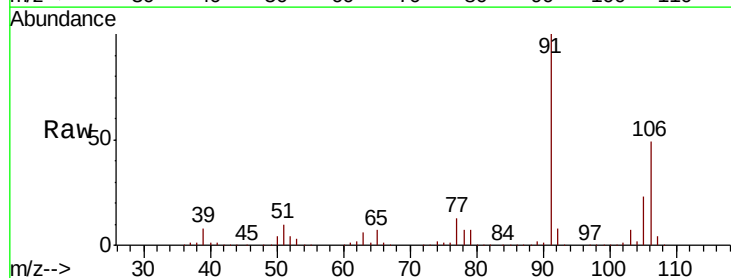
Acq: 23 Sep 2020 11:49

Tgt Ion: 106 Resp: 826287

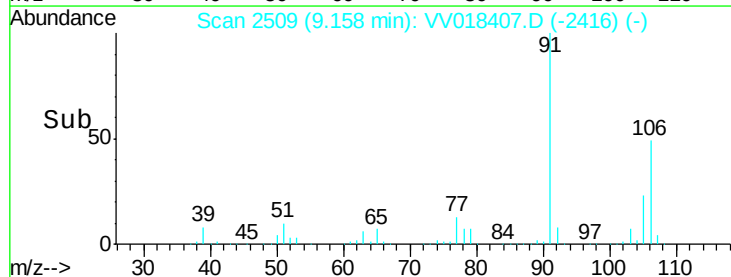
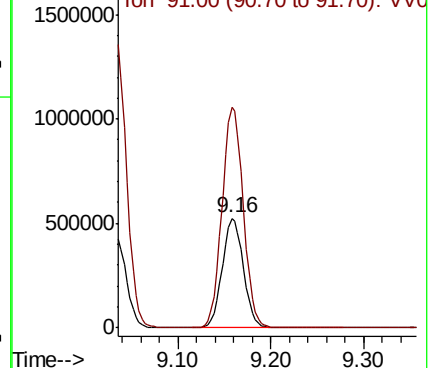
Ion Ratio Lower Upper

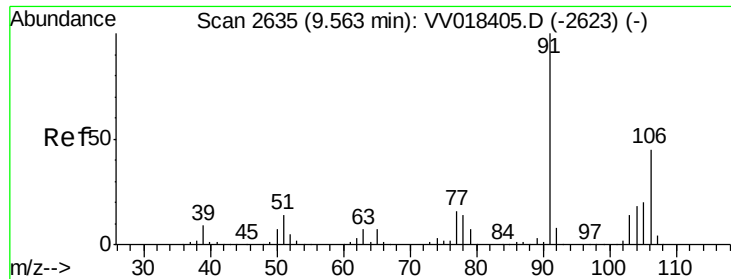
106 100

91 202.1 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018407.D (-2416) (-)

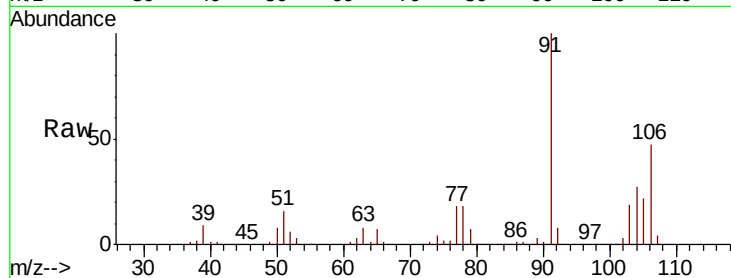




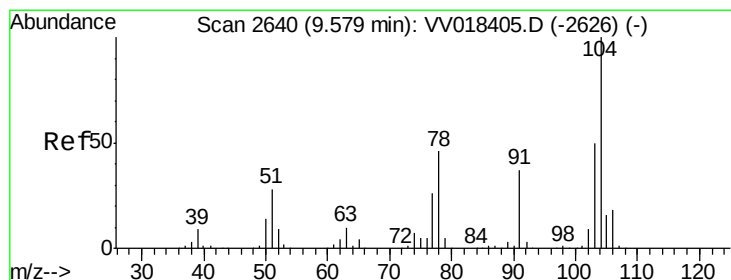
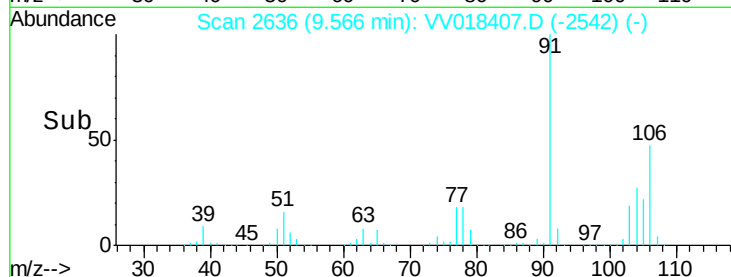
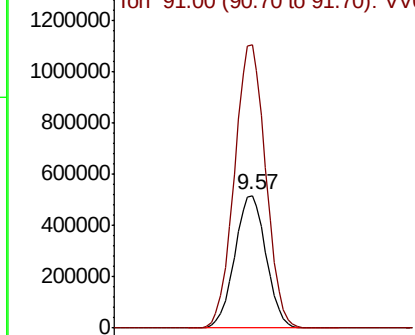
#54
o-Xylene
Concen: 200.950 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

Tot Ion:106 Resp: 802209
Ion Ratio Lower Upper
106 100
91 213.2 154.7 287.3

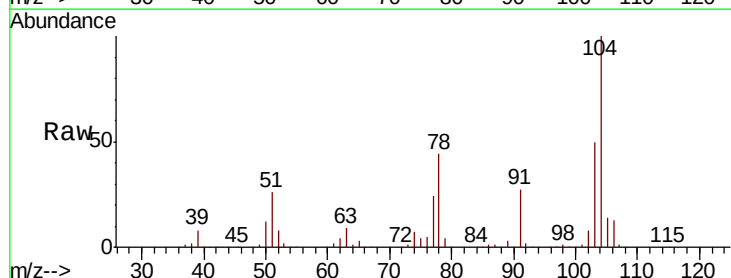


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

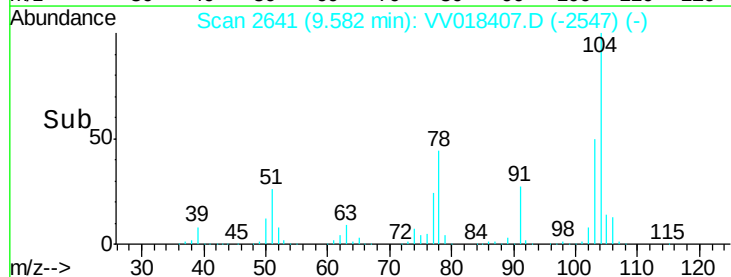
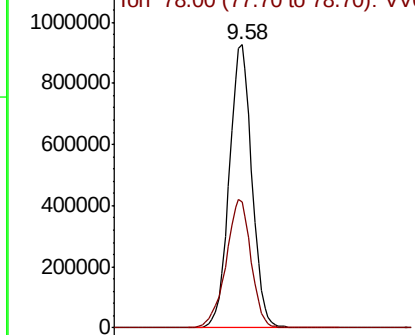


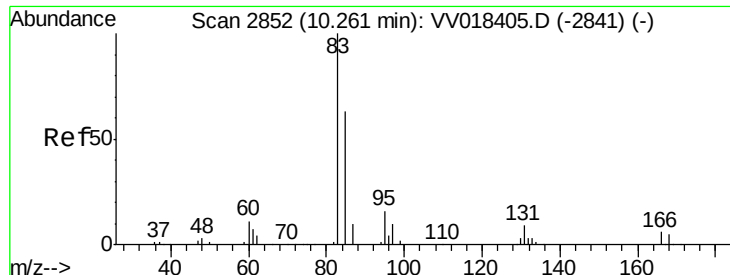
#55
Styrene
Concen: 198.986 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion:104 Resp: 1420797
Ion Ratio Lower Upper
104 100
78 44.5 32.1 59.5



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





#57

1,1,2,2-Tetrachloroethane

Concen: 201.450 ug/L

RT: 10.26 min Scan# 2853

Delta R.T. 0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD200305

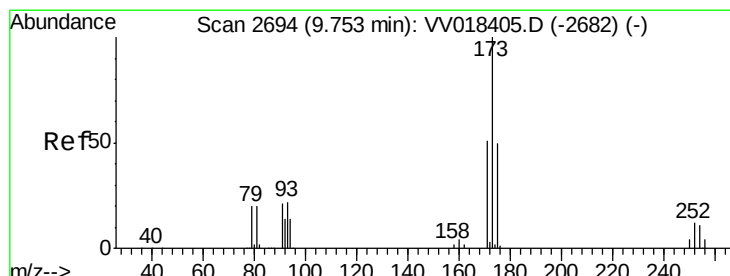
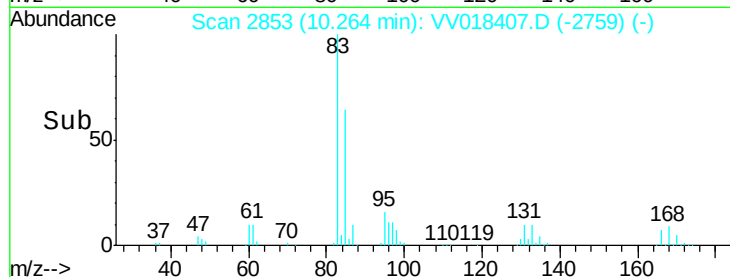
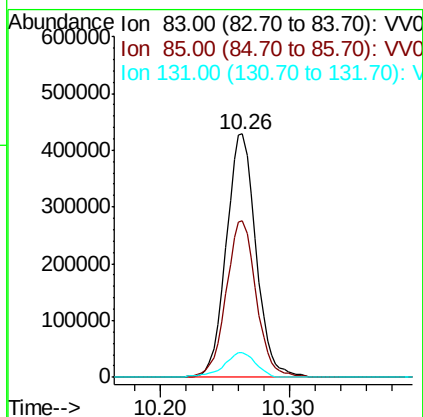
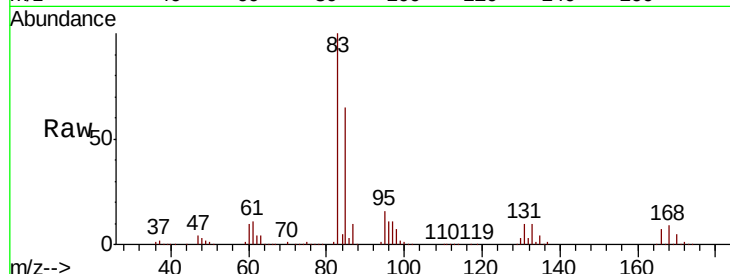
Tot Ion: 83 Resp: 684411

Ion Ratio Lower Upper

83 100

85 64.5 44.4 82.5

131 10.1 7.8 11.6



#59

Bromoform

Concen: 207.376 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

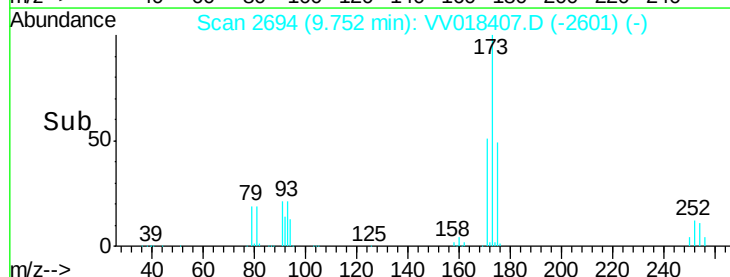
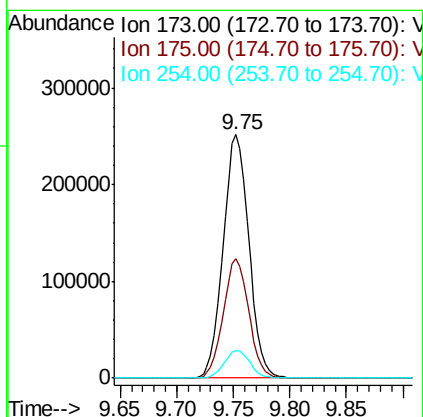
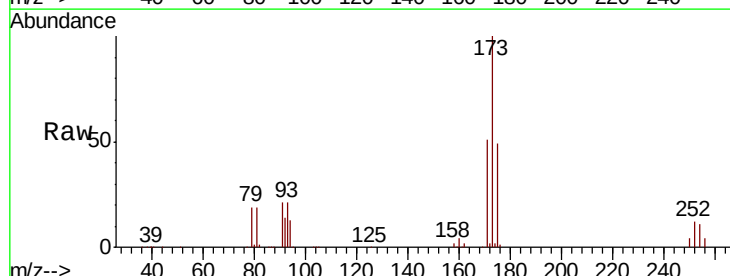
Tgt Ion: 173 Resp: 398697

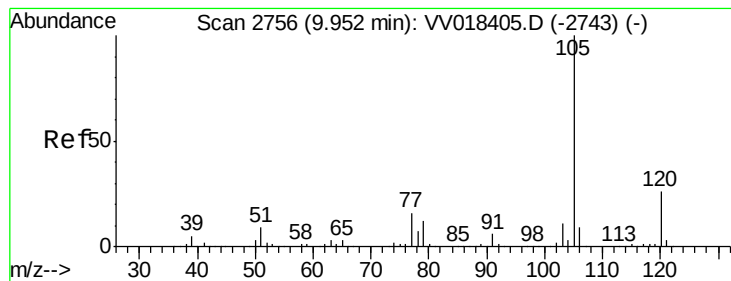
Ion Ratio Lower Upper

173 100

175 48.5 39.4 59.2

254 11.3 8.7 13.1





#60

Isopropylbenzene

Concen: 192.865 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

Instrument :

MSVOA_V

ClientSampleId :

VSTD200305

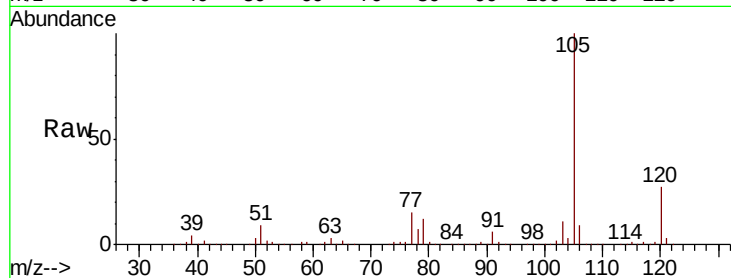
Tot Ion:105 Resp: 2157077

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

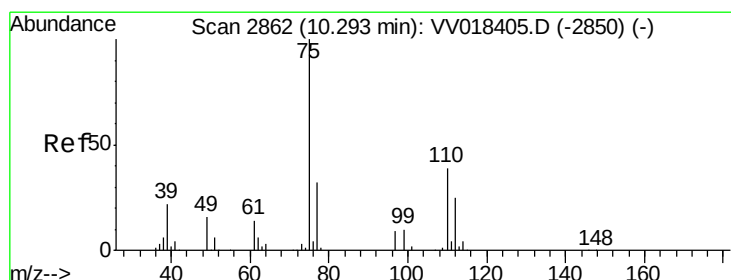
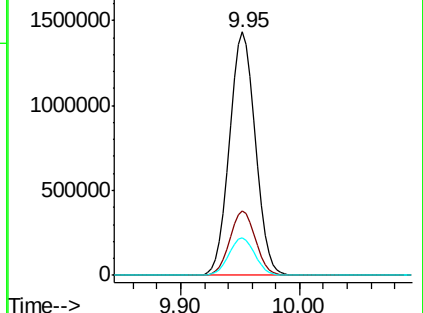
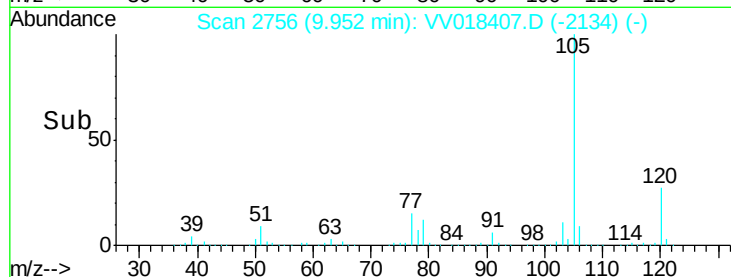
77 15.6 12.8 19.2



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



#61

1,2,3-Trichloropropane

Concen: 190.544 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. -0.00 min

Lab File: VV018407.D

Acq: 23 Sep 2020 11:49

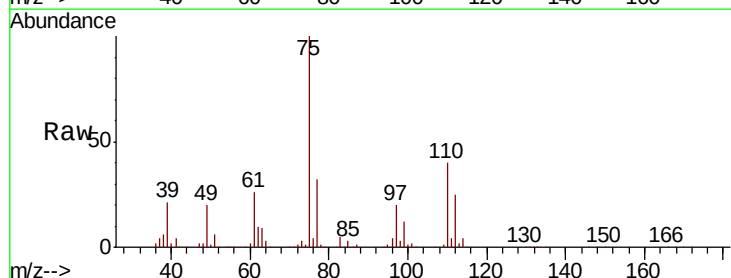
Tgt Ion: 75 Resp: 560540

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.8

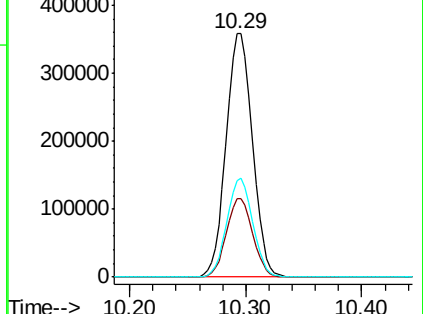
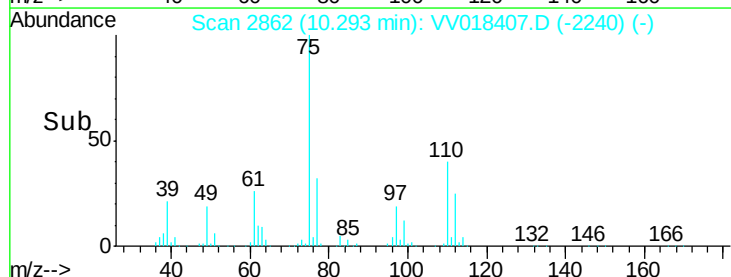
110 39.7 31.5 47.3

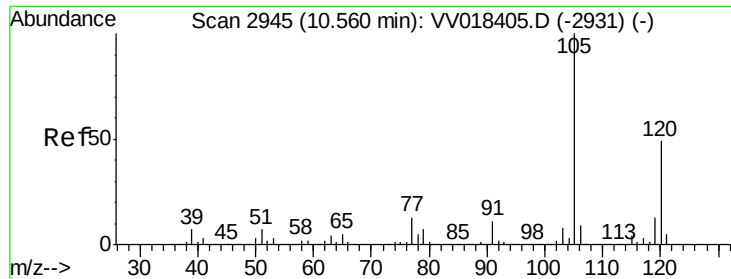


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

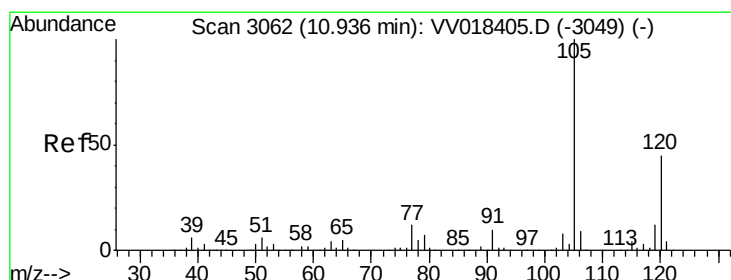
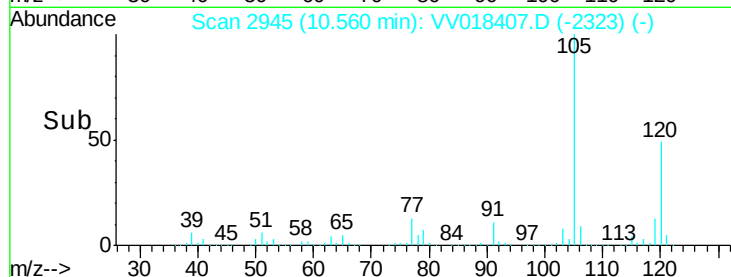
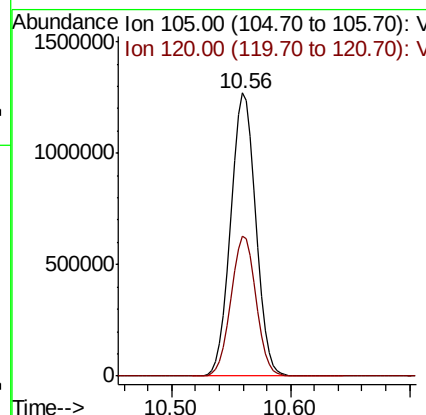
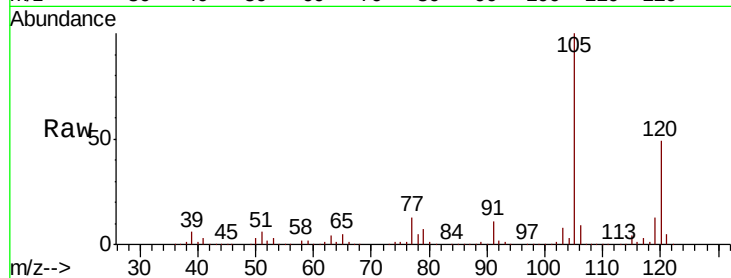




#62
 1,3,5-Trimethylbenzene
 Concen: 197.815 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

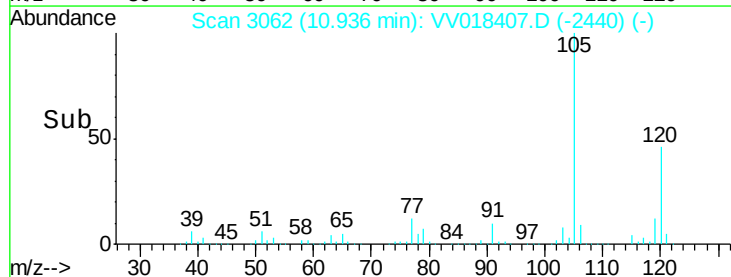
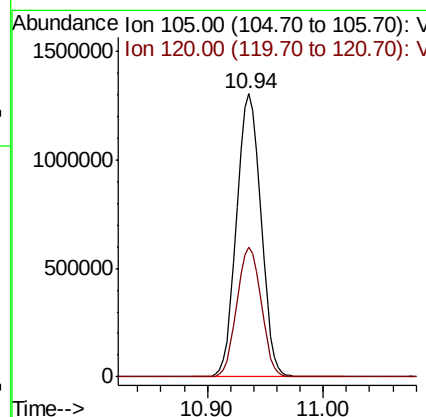
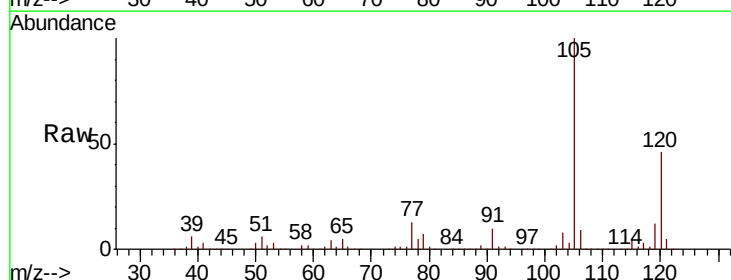
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

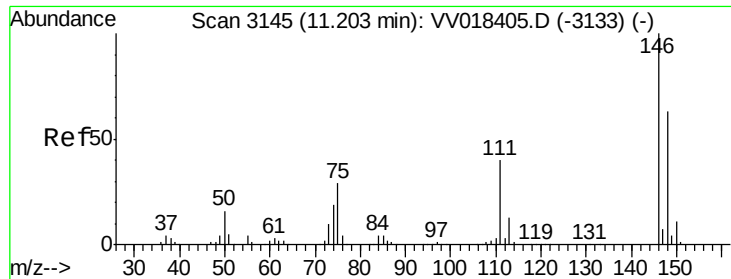
Tot Ion:105 Resp: 1852725
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 196.133 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Tgt Ion:105 Resp: 1890911
 Ion Ratio Lower Upper
 105 100
 120 45.9 36.2 54.2

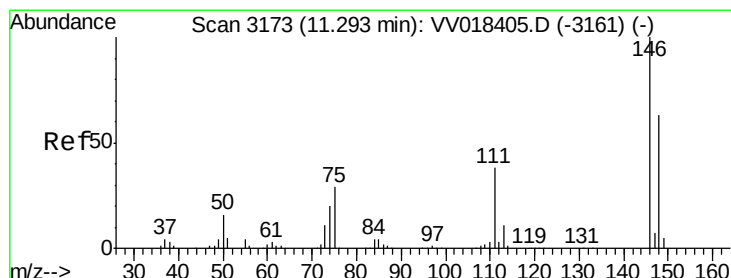
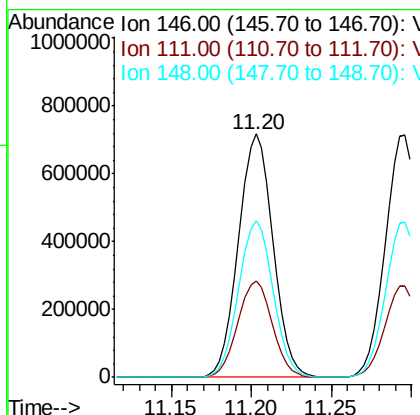
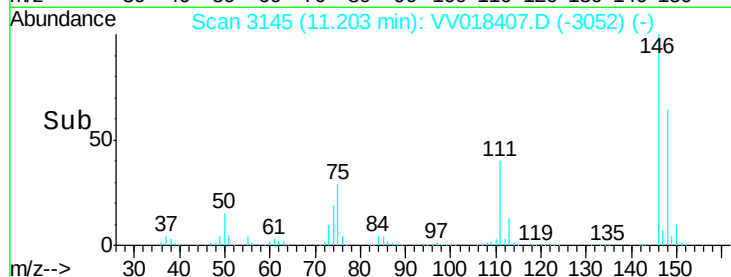
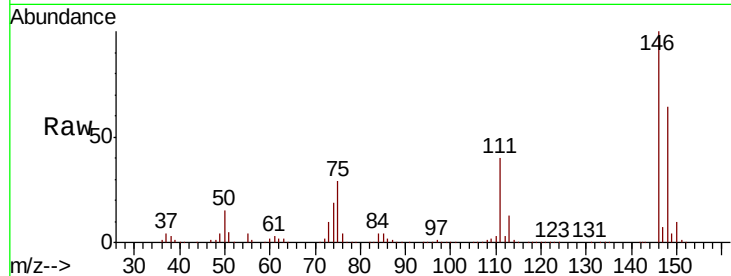




#64
 1,3-Dichlorobenzene
 Concen: 192.065 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

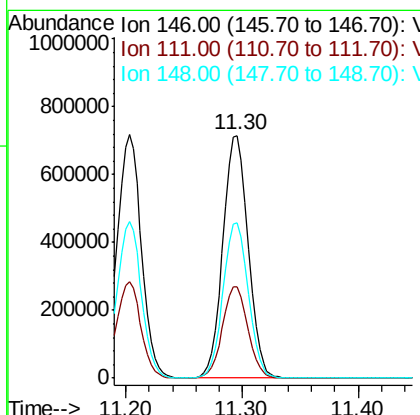
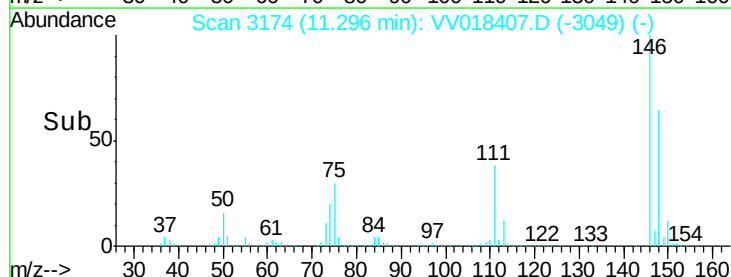
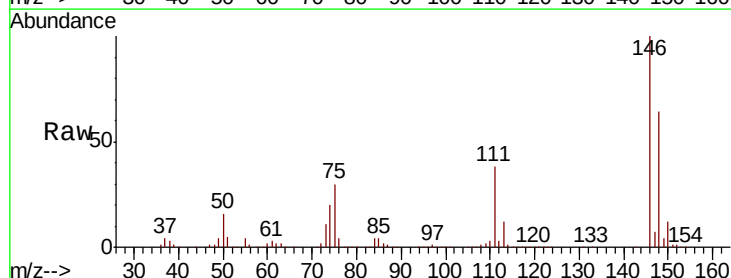
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

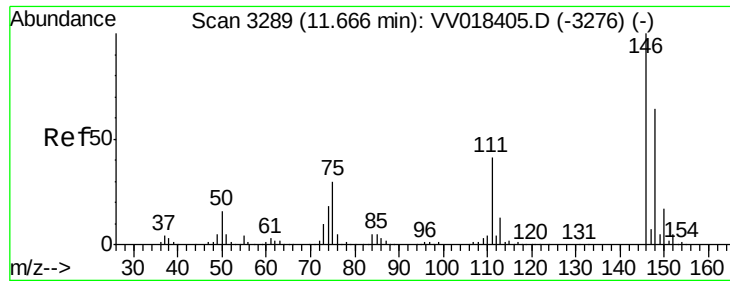
Tot Ion:146 Resp: 1057590
 Ion Ratio Lower Upper
 146 100
 111 39.6 27.6 51.4
 148 64.3 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 189.701 ug/L
 RT: 11.30 min Scan# 3174
 Delta R.T. 0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Tgt Ion:146 Resp: 1073867
 Ion Ratio Lower Upper
 146 100
 111 37.7 26.6 49.4
 148 64.2 44.3 82.3

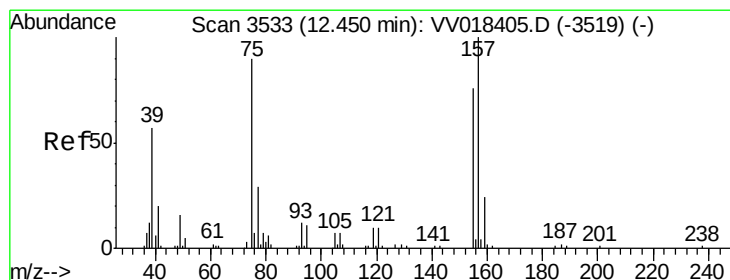
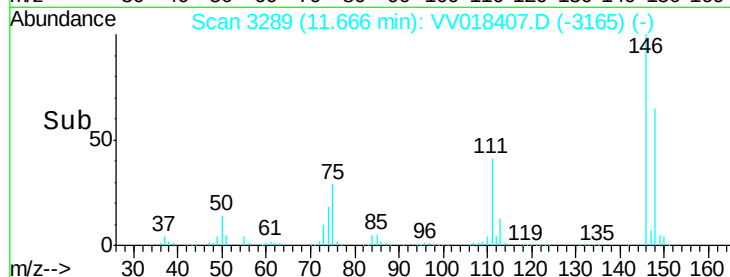
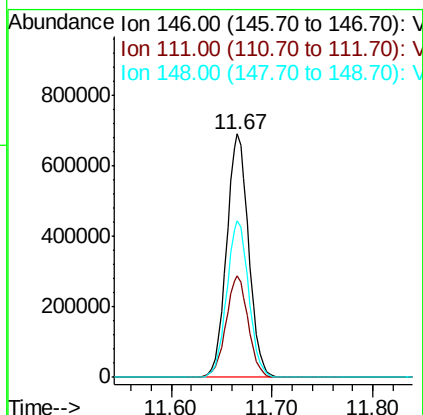
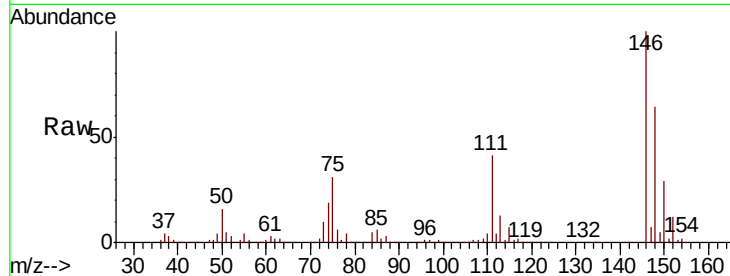




#67
 1,2-Dichlorobenzene
 Concen: 191.389 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

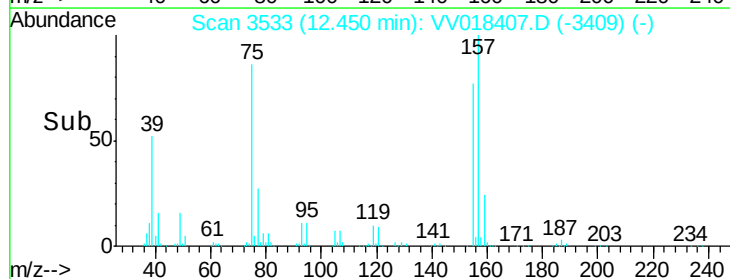
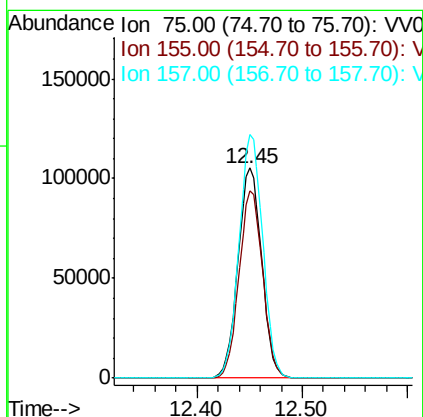
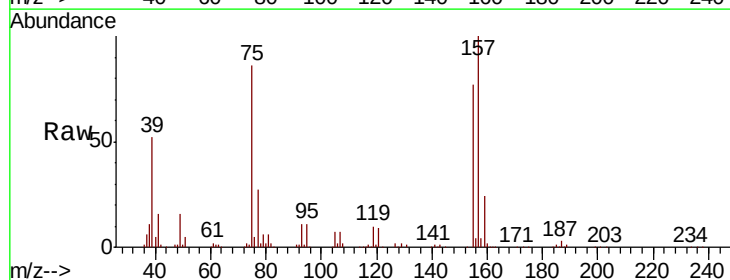
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

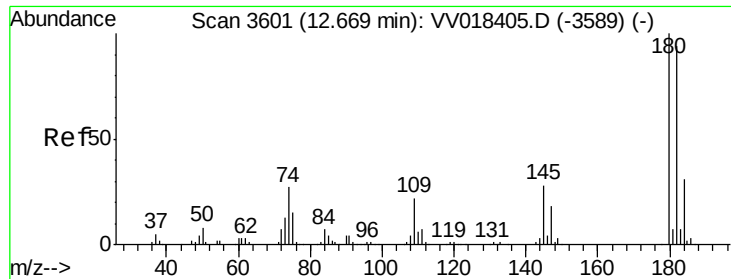
Tot Ion:146 Resp: 1049040
 Ion Ratio Lower Upper
 146 100
 111 41.4 32.6 49.0
 148 64.5 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 215.004 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Tgt Ion: 75 Resp: 164080
 Ion Ratio Lower Upper
 75 100
 155 88.9 67.6 101.4
 157 115.9 88.7 133.1

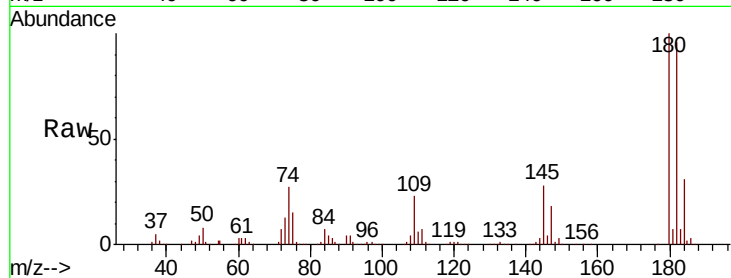




#69
 1,3,5-Trichlorobenzene
 Concen: 194.478 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD200305

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	30.7	24.8	37.2
145	28.6	23.0	34.4

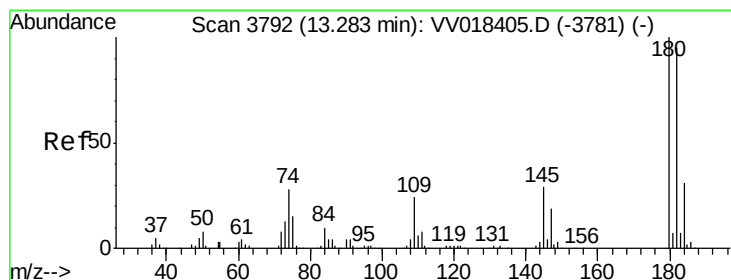
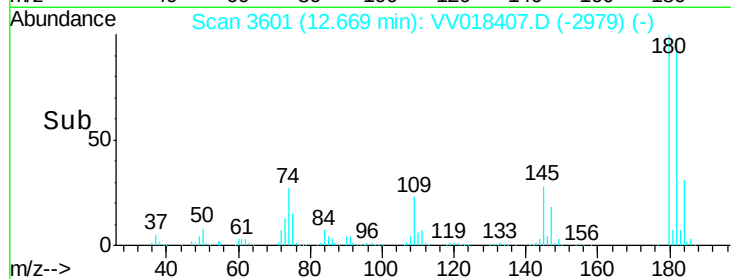
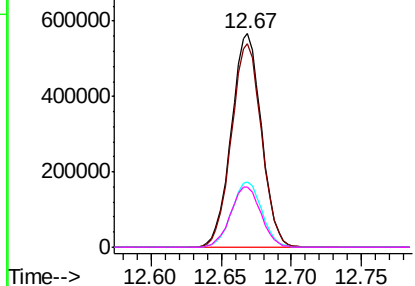


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

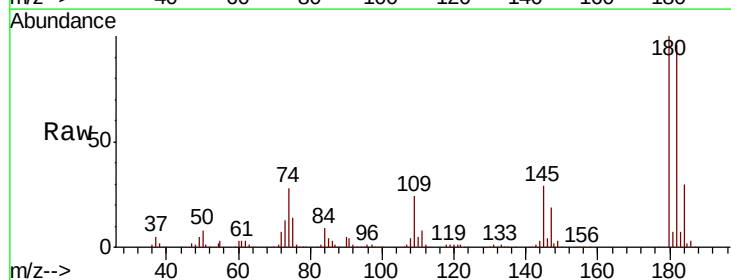
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 206.093 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018407.D
 Acq: 23 Sep 2020 11:49

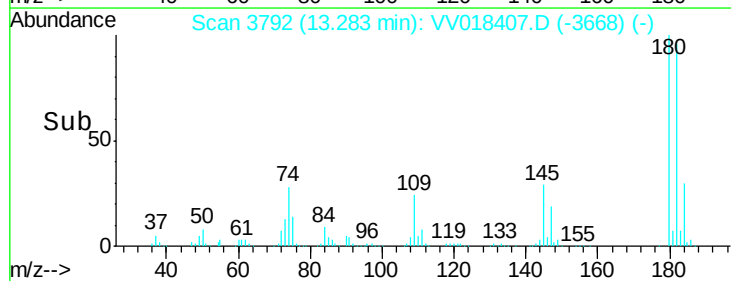
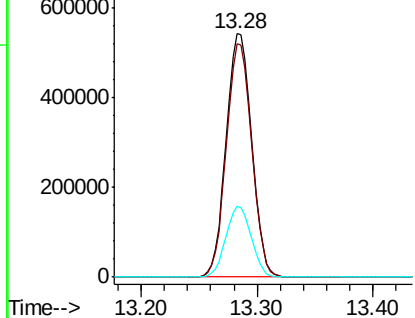
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.1	75.8	113.6
145	28.9	23.0	34.4

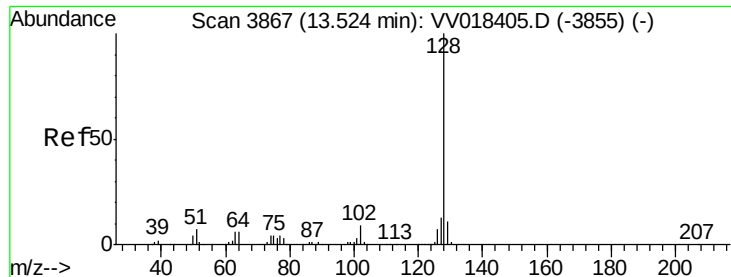


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

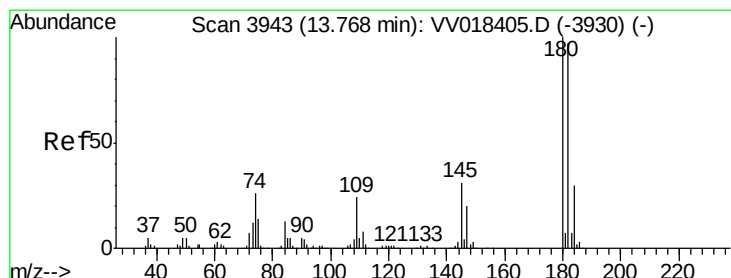
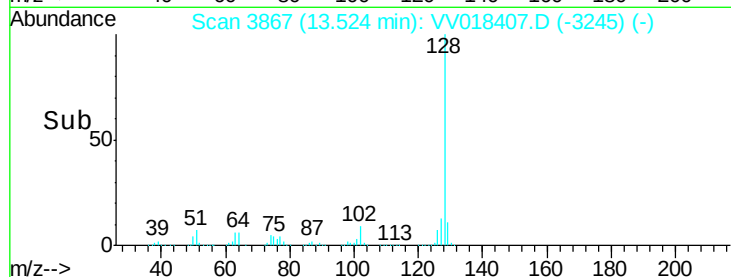
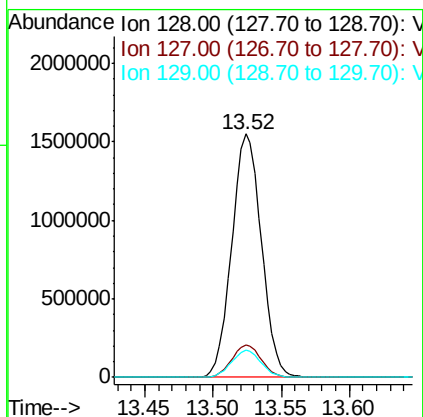
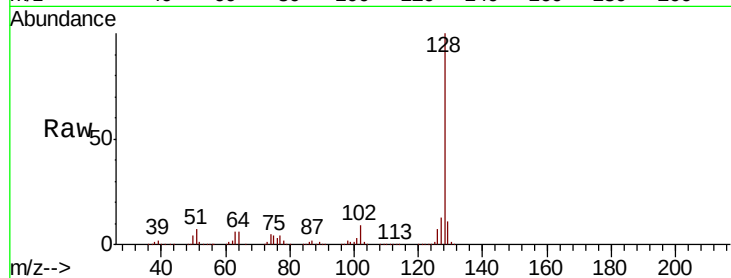




#71
Naphthalene
Concen: 218.328 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Instrument :
MSVOA_V
ClientSampleId :
VSTD200305

Tot Ion:128 Resp: 2340928
Ion Ratio Lower Upper
128 100
127 13.2 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 201.864 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV018407.D
Acq: 23 Sep 2020 11:49

Tgt Ion:180 Resp: 802135
Ion Ratio Lower Upper
180 100
182 95.3 77.1 115.7
145 31.1 25.0 37.6

