

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018405.D
 Acq On : 23 Sep 2020 11:04
 Operator : SY/MD
 Sample : VSTD05061
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

Quant Time: Sep 24 07:19:20 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	289950	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	286291	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	159085	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	92461	50.00	ug/L	0.00
7) Chloroethane-d5	1.58	69	79433	50.00	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	191682	50.00	ug/L	0.00
21) 2-Butanone-d5	3.92	46	136564	100.00	ug/L	0.00
24) Chloroform-d	4.38	84	193497	50.00	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	123663	50.00	ug/L	0.00
32) Benzene-d6	5.07	84	376654	50.00	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.09	67	119834	50.00	ug/L	0.00
41) Toluene-d8	7.33	98	353724	50.00	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.64	79	61741	50.00	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	96498	100.00	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.24	84	156129	50.00	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.65	152	151648	50.00	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	105907	50.000	ug/L	100
3) Chloromethane	1.25	50	116606	50.000	ug/L	100
5) Vinyl chloride	1.32	62	119947	50.000	ug/L	100
6) Bromomethane	1.53	94	75396	50.000	ug/L	100
8) Chloroethane	1.60	64	75744	50.000	ug/L	100
9) Trichlorofluoromethane	1.77	101	171584	50.000	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	105176	50.000	ug/L	100
12) 1,1-Dichloroethene	2.13	96	99285	50.000	ug/L	100
13) Acetone	2.20	43	164710	100.000	ug/L	100
14) Carbon disulfide	2.31	76	284462	50.000	ug/L	100
15) Methyl Acetate	2.45	43	105576	50.000	ug/L	100
16) Methylene chloride	2.52	84	109201	50.000	ug/L	100
17) trans-1,2-Dichloroethene	2.78	96	102393	50.000	ug/L	100
18) Methyl tert-butyl Ether	2.78	73	314720	50.000	ug/L	100
19) 1,1-Dichloroethane	3.21	63	194878	50.000	ug/L	100
20) cis-1,2-Dichloroethene	3.94	96	110257	50.000	ug/L	100
22) 2-Butanone	4.00	43	176322	100.000	ug/L	100
23) Bromochloromethane	4.27	128	58380	50.000	ug/L	100
25) Chloroform	4.40	83	198379	50.000	ug/L	100
27) 1,2-Dichloroethane	5.15	62	153435	50.000	ug/L	100
29) Cyclohexane	4.70	56	174155	50.000	ug/L	100
30) 1,1,1-Trichloroethane	4.63	97	174974	50.000	ug/L	100
31) Carbon tetrachloride	4.86	117	152165	50.000	ug/L	100
33) Benzene	5.12	78	429394	50.000	ug/L	100
34) Trichloroethene	5.94	95	114520	50.000	ug/L	100
35) Methylcyclohexane	6.15	83	180779	50.000	ug/L	100
37) 1,2-Dichloropropane	6.20	63	116051	50.000	ug/L	100
38) Bromodichloromethane	6.53	83	146612	50.000	ug/L	100
39) cis-1,3-Dichloropropene	7.05	75	175815	50.000	ug/L	100
40) 4-Methyl-2-pentanone	7.24	43	277041	100.000	ug/L	100

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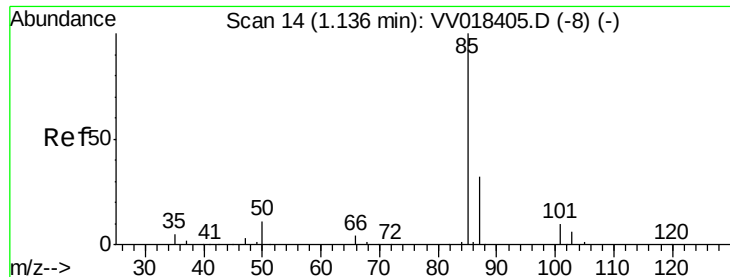
Instrument :
 MSVOA_V
 ClientSampleId :
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Quant Time: Sep 24 07:19:20 2020
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM092320W.M
 Quant Title : VOC Analysis
 QLast Update : Thu Sep 24 07:11:40 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.41	91	464817	50.000	ug/L	100
44) trans-1,3-Dichloropropene	7.67	75	173731	50.000	ug/L	100
45) 1,1,2-Trichloroethane	7.86	97	106548	50.000	ug/L	100
46) Tetrachloroethene	8.00	164	92833	50.000	ug/L	100
48) 2-Hexanone	8.16	43	239503	100.000	ug/L	100
49) Dibromochloromethane	8.27	129	119333	50.000	ug/L	100
50) 1,2-Dibromoethane	8.37	107	111223	50.000	ug/L	100
51) Chlorobenzene	8.90	112	298862	50.000	ug/L	100
52) Ethylbenzene	9.03	91	510379	50.000	ug/L	100
53) m,p-Xylene	9.16	106	193171	50.000	ug/L	100
54) o-Xylene	9.56	106	185310	50.000	ug/L	100
55) Styrene	9.58	104	331442	50.000	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.26	83	157706	50.000	ug/L	100
59) Bromoform	9.75	173	87351	50.000	ug/L	100
60) Isopropylbenzene	9.95	105	508154	50.000	ug/L	100
61) 1,2,3-Trichloropropane	10.29	75	133658	50.000	ug/L	100
62) 1,3,5-Trimethylbenzene	10.56	105	425535	50.000	ug/L	100
63) 1,2,4-Trimethylbenzene	10.94	105	438029	50.000	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	250180	50.000	ug/L	100
65) 1,4-Dichlorobenzene	11.29	146	257195	50.000	ug/L	100
67) 1,2-Dichlorobenzene	11.67	146	249033	50.000	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.45	75	34673	50.000	ug/L	100
69) 1,3,5-Trichlorobenzene	12.67	180	197437	50.000	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	181041	50.000	ug/L	100
71) Naphthalene	13.52	128	487149	50.000	ug/L	100
72) 1,2,3-Trichlorobenzene	13.77	180	180539	50.000	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 50.000 ug/L

RT: 1.14 min Scan# 14

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

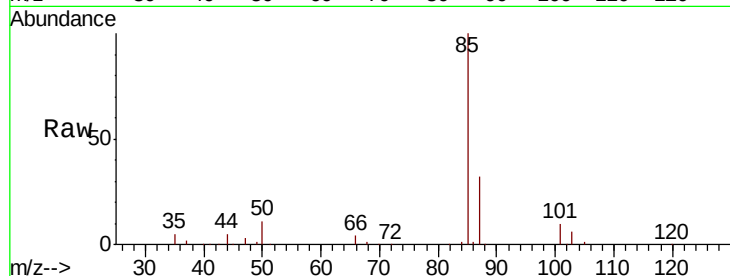
VSTD050303

Tot Ion: 85 Resp: 105907

Ion Ratio Lower Upper

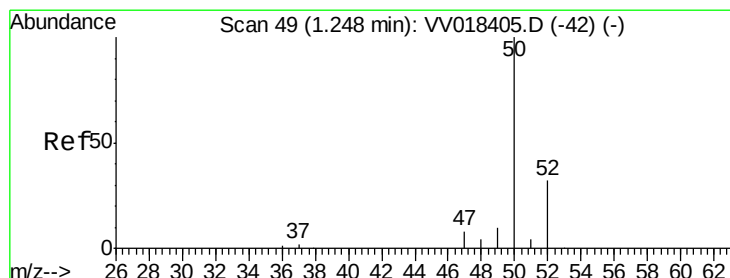
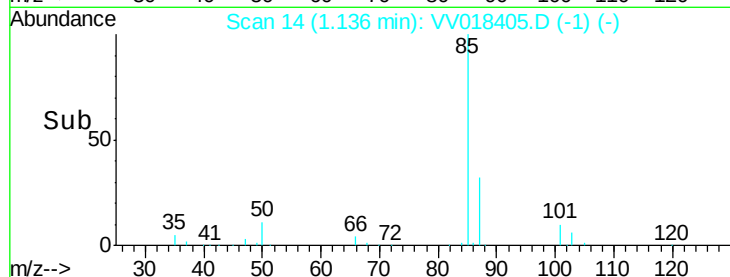
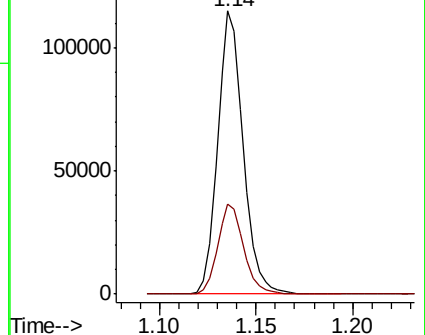
85 100

87 32.2 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV0

Ion 87.00 (86.70 to 87.70): VV0



#3

Chloromethane

Concen: 50.000 ug/L

RT: 1.25 min Scan# 49

Delta R.T. 0.00 min

Lab File: VV018405.D

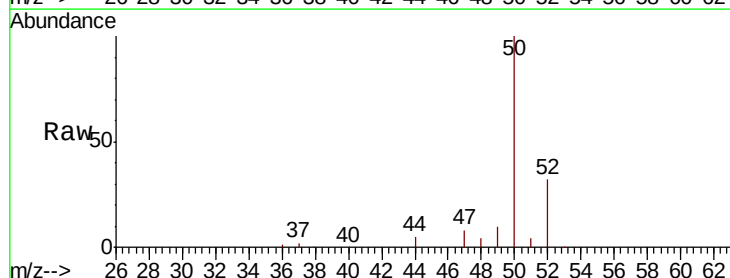
Acq: 23 Sep 2020 11:04

Tgt Ion: 50 Resp: 116606

Ion Ratio Lower Upper

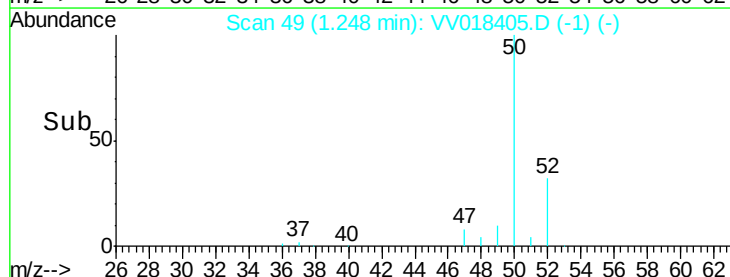
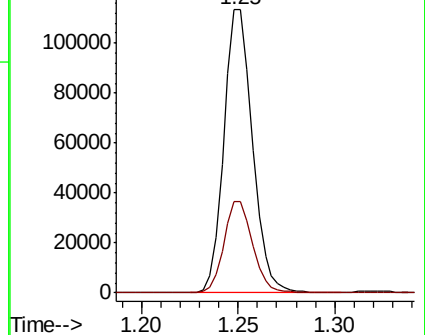
50 100

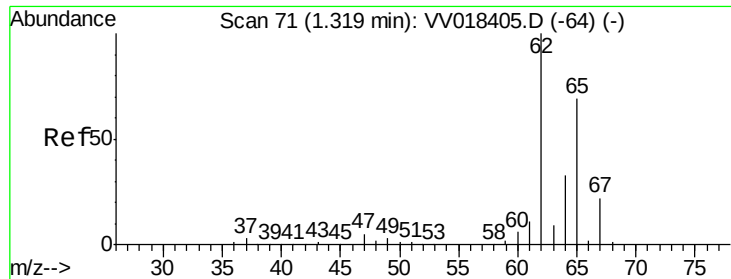
52 32.2 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV0

Ion 52.00 (51.70 to 52.70): VV0





#5

Vinyl chloride

Concen: 50.000 ug/L

RT: 1.32 min Scan# 71

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

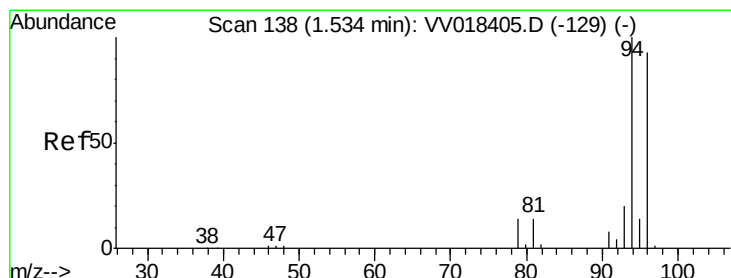
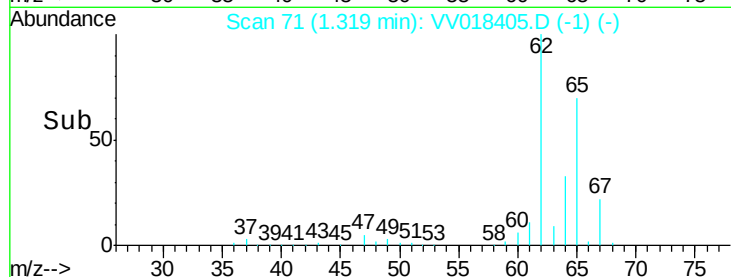
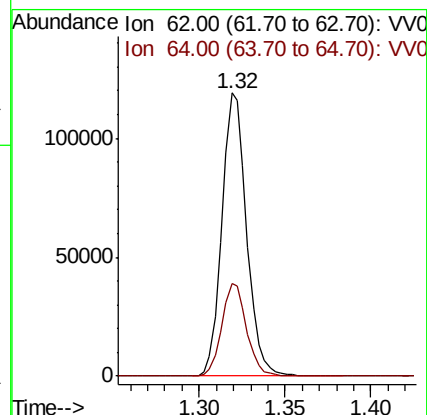
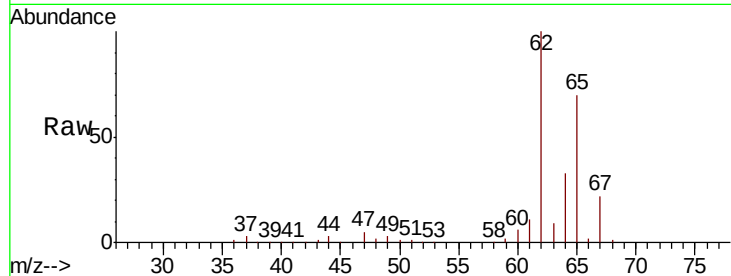
VSTD050303

Tot Ion: 62 Resp: 119947

Ion Ratio Lower Upper

62 100

64 32.7 22.9 42.5



#6

Bromomethane

Concen: 50.000 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV018405.D

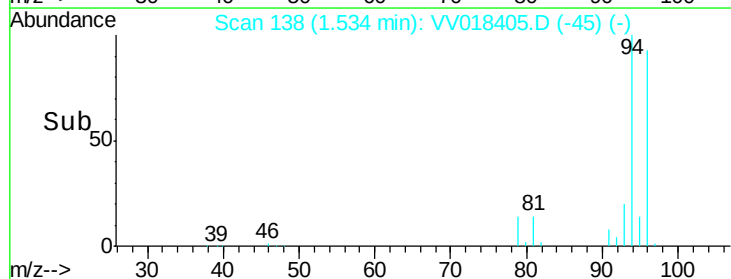
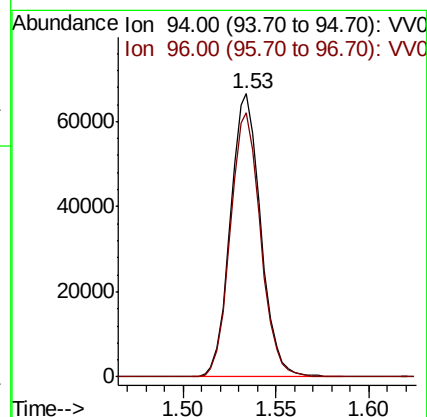
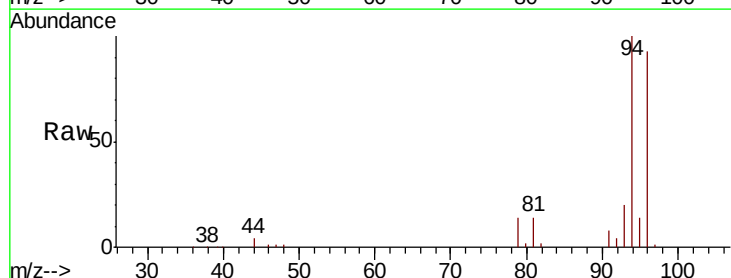
Acq: 23 Sep 2020 11:04

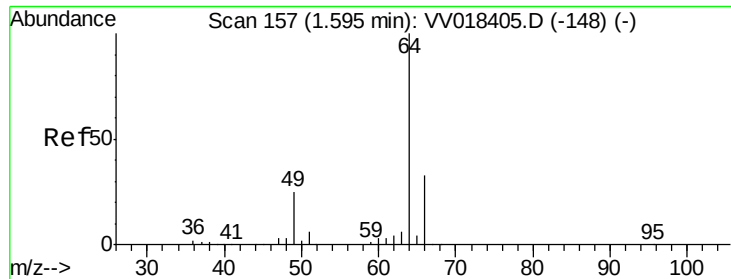
Tgt Ion: 94 Resp: 75396

Ion Ratio Lower Upper

94 100

96 93.4 65.4 121.4





#8

Chloroethane

Concen: 50.000 ug/L

RT: 1.60 min Scan# 157

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

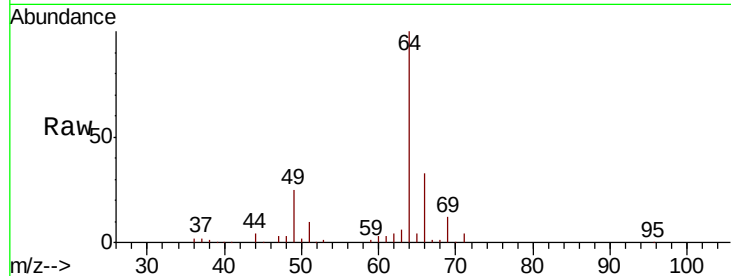
VSTD050303

Tot Ion: 64 Resp: 75744

Ion Ratio Lower Upper

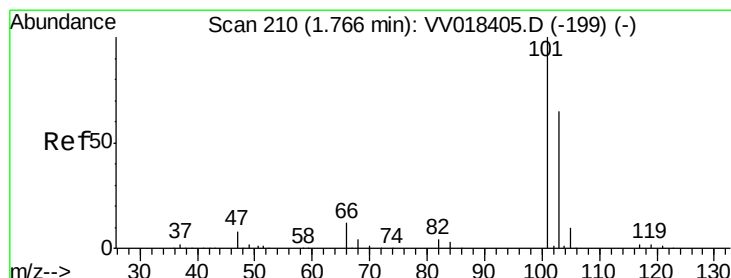
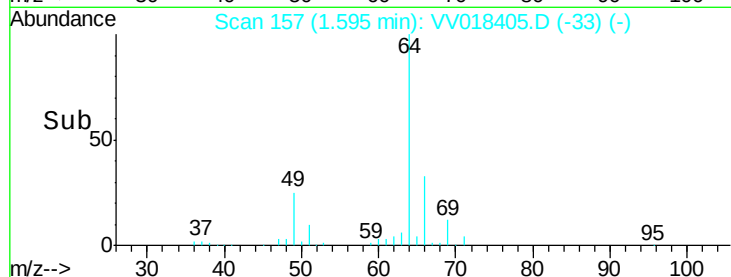
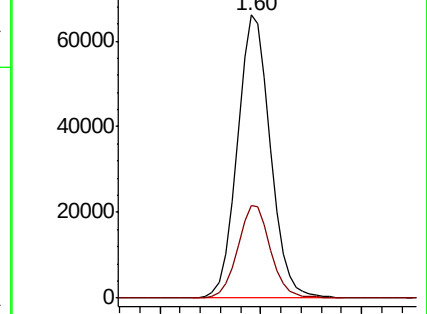
64 100

66 32.8 23.0 42.6



Abundance Ion 64.00 (63.70 to 64.70): VV018405.D (-148) (-)

Ion 66.00 (65.70 to 66.70): VV018405.D (-148) (-)



#9

Trichlorofluoromethane

Concen: 50.000 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.00 min

Lab File: VV018405.D

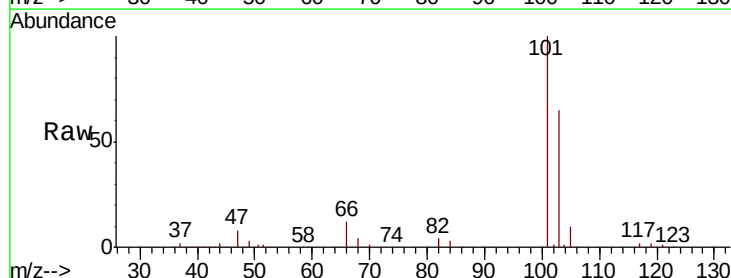
Acq: 23 Sep 2020 11:04

Tgt Ion: 101 Resp: 171584

Ion Ratio Lower Upper

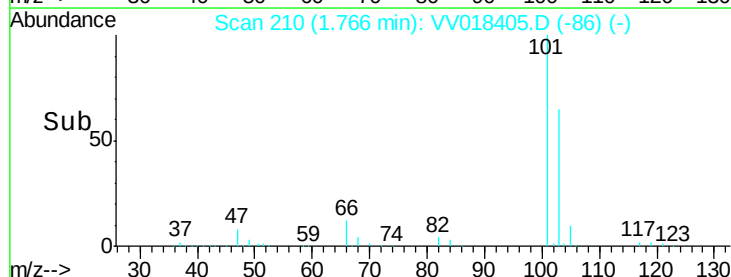
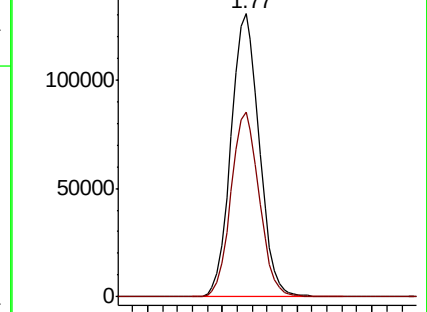
101 100

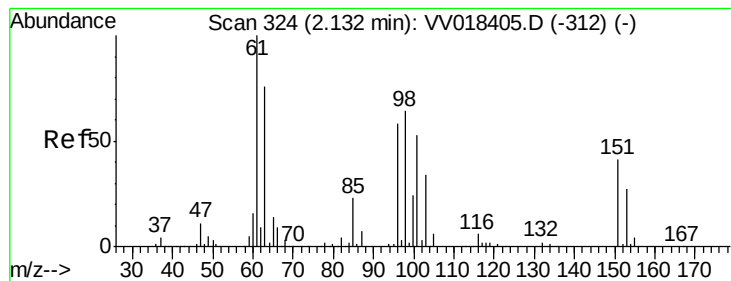
103 65.1 52.1 78.1



Abundance Ion 101.00 (100.70 to 101.70): VV018405.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV018405.D (-199) (-)





#10

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

Concen: 50.000 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050303

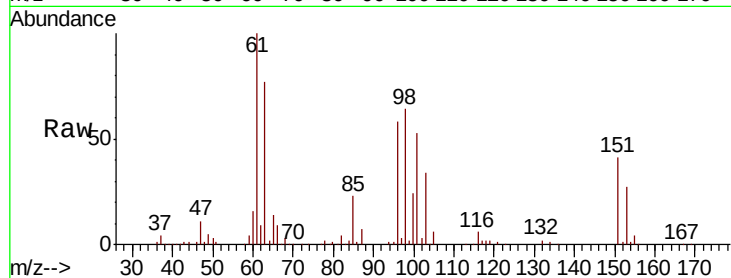
Tot Ion:101 Resp: 105176

Ion Ratio Lower Upper

101 100

85 43.2 34.6 51.8

151 78.0 62.4 93.6

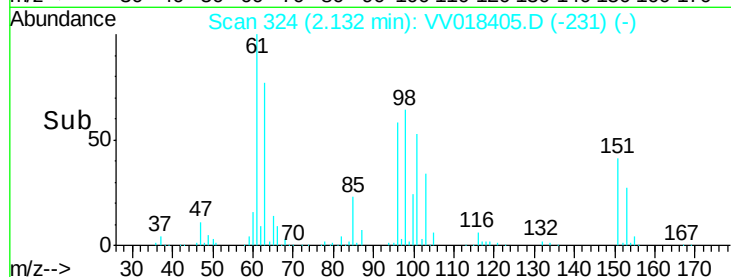


Abundance Ion 101.00 (100.70 to 101.70): VV018405.D (-312) (-)

Ion 85.00 (84.70 to 85.70): VV018405.D (-312) (-)

Ion 151.00 (150.70 to 151.70): VV018405.D (-312) (-)

Time-->



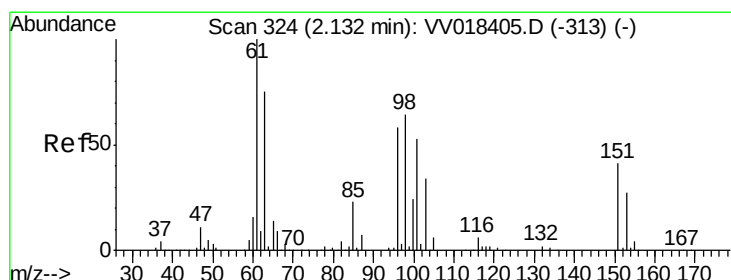
Abundance

Ion 101.00 (100.70 to 101.70): VV018405.D (-231) (-)

Ion 85.00 (84.70 to 85.70): VV018405.D (-231) (-)

Ion 151.00 (150.70 to 151.70): VV018405.D (-231) (-)

Time-->



#12

1,1-Dichloroethene

Concen: 50.000 ug/L

RT: 2.13 min Scan# 324

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

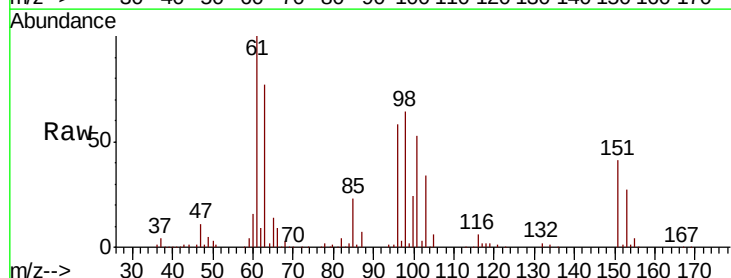
Tgt Ion: 96 Resp: 99285

Ion Ratio Lower Upper

96 100

61 172.9 121.0 224.8

63 132.8 93.0 172.6

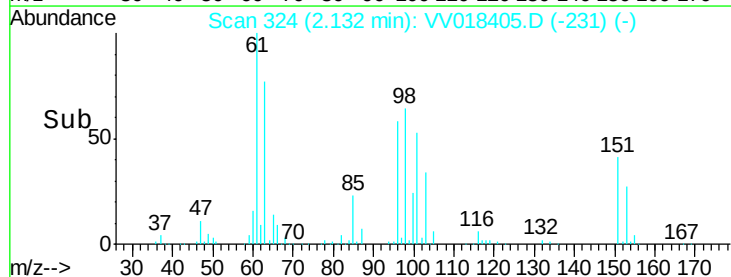


Abundance Ion 96.00 (95.70 to 96.70): VV018405.D (-313) (-)

Ion 61.00 (60.70 to 61.70): VV018405.D (-313) (-)

Ion 63.00 (62.70 to 63.70): VV018405.D (-313) (-)

Time-->



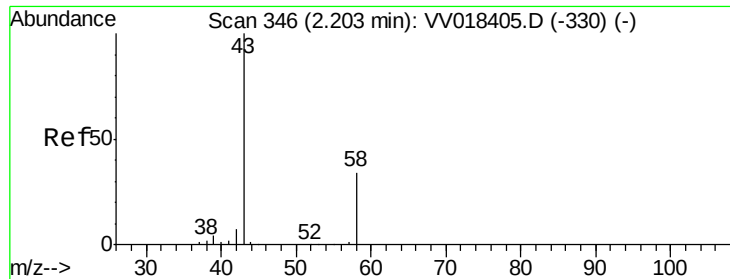
Abundance

Ion 96.00 (95.70 to 96.70): VV018405.D (-231) (-)

Ion 61.00 (60.70 to 61.70): VV018405.D (-231) (-)

Ion 63.00 (62.70 to 63.70): VV018405.D (-231) (-)

Time-->



#13

Acetone

Concen: 100.000 ug/L

RT: 2.20 min Scan# 346

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

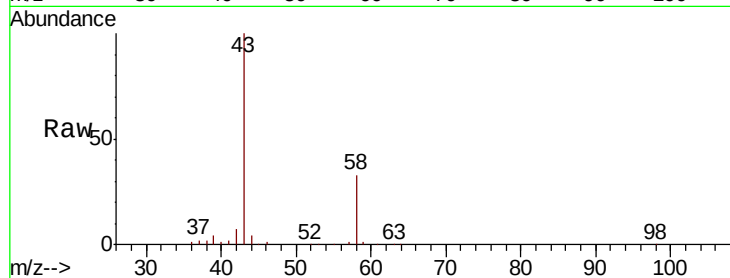
VSTD050303

Tot Ion: 43 Resp: 164710

Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

2.20

60000

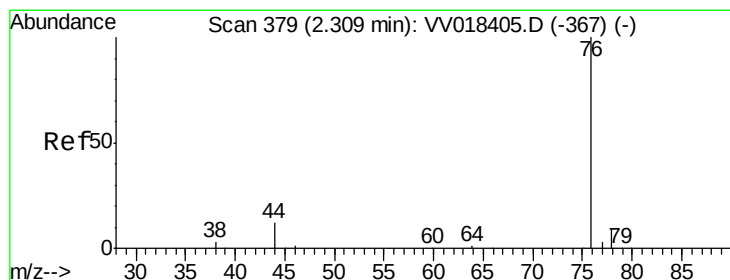
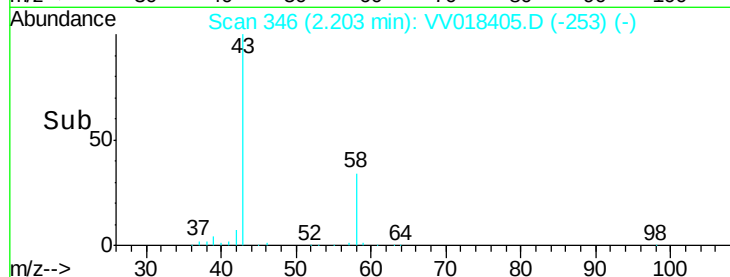
40000

20000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 50.000 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.00 min

Lab File: VV018405.D

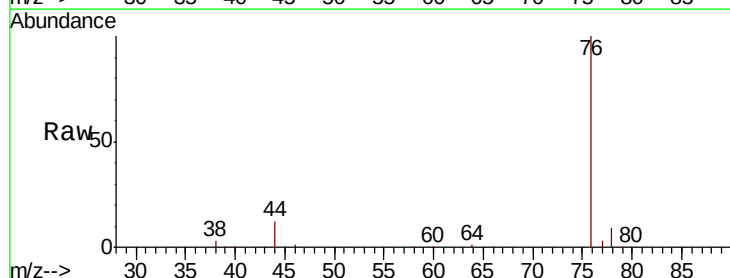
Acq: 23 Sep 2020 11:04

Tgt Ion: 76 Resp: 284462

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

200000

150000

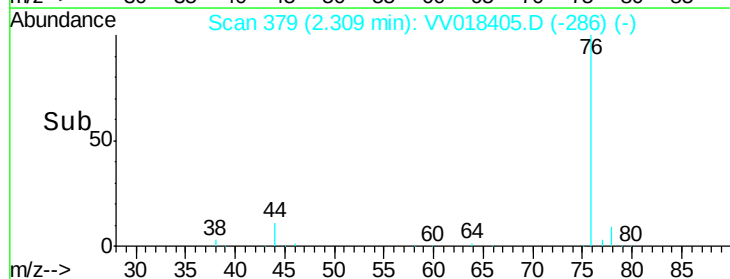
100000

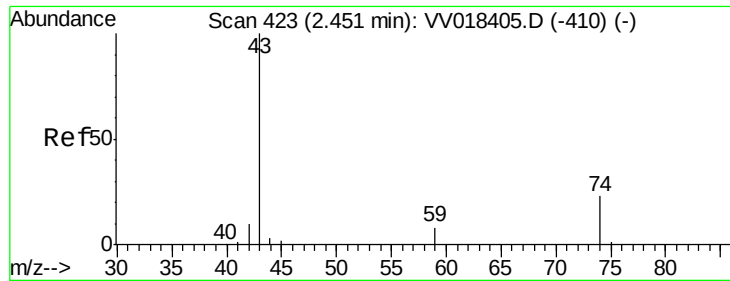
50000

0

Time-->

2.30 2.40

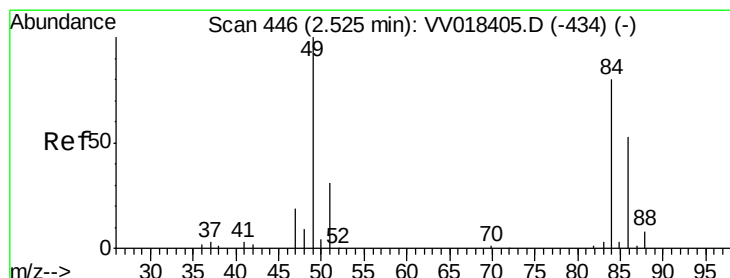
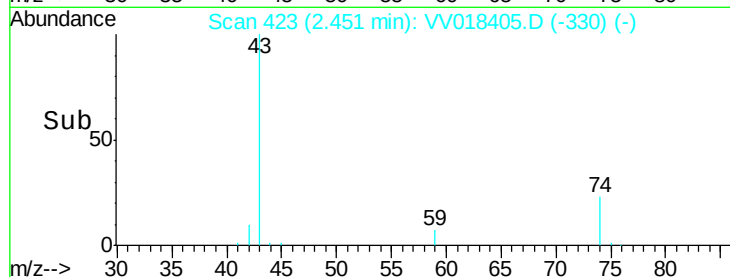
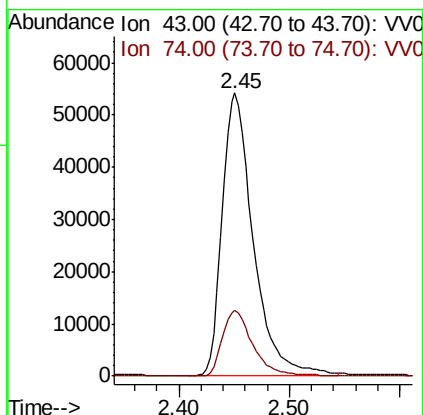
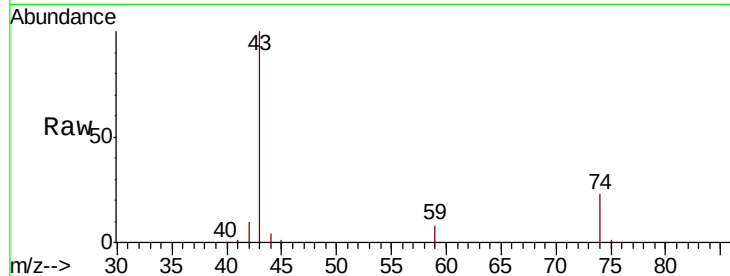




#15
Methyl Acetate
Concen: 50.000 ug/L
RT: 2.45 min Scan# 423
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

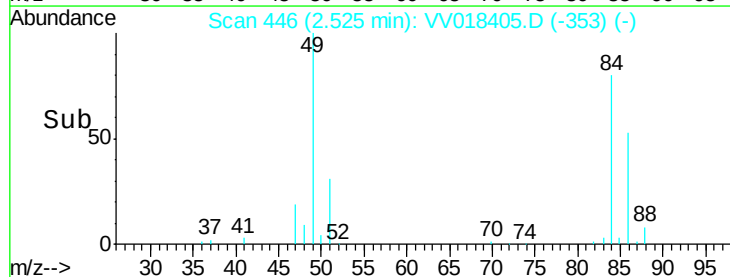
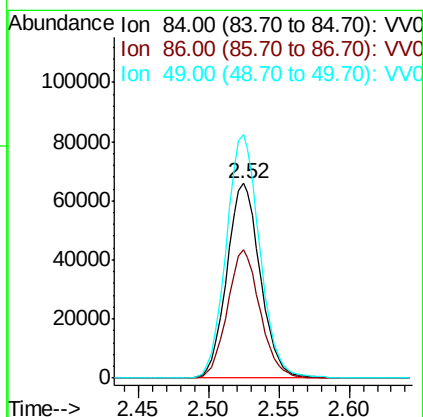
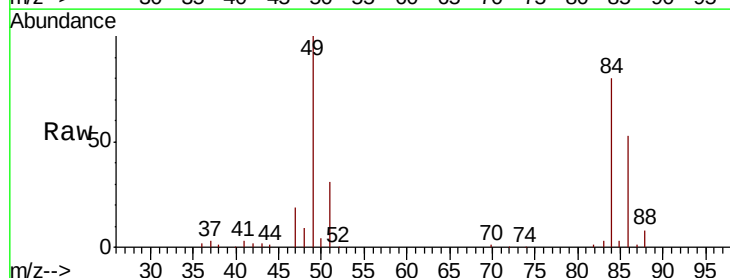
Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

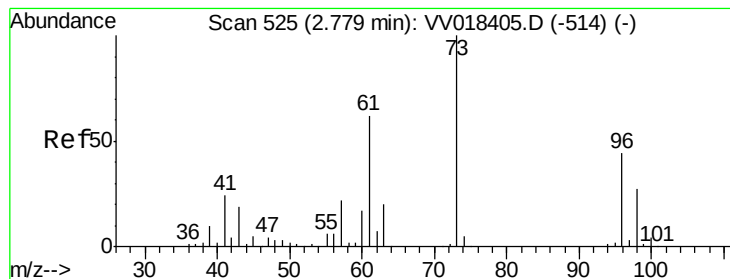
Tot Ion: 43 Resp: 105576
Ion Ratio Lower Upper
43 100
74 23.0 18.4 27.6



#16
Methylene chloride
Concen: 50.000 ug/L
RT: 2.52 min Scan# 446
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion: 84 Resp: 109201
Ion Ratio Lower Upper
84 100
86 65.7 46.0 85.4
49 125.0 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 50.000 ug/L

RT: 2.78 min Scan# 525

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampled :

VSTD050303

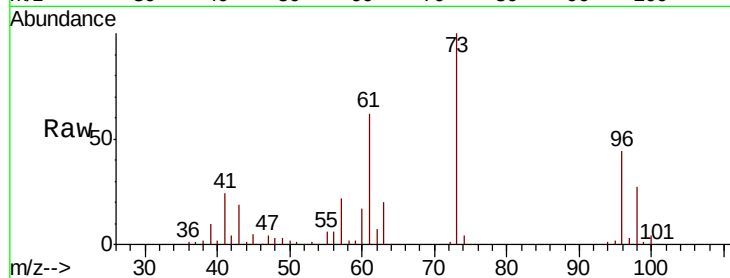
Tot Ion: 96 Resp: 102393

Ion Ratio Lower Upper

96 100

61 140.4 98.3 182.5

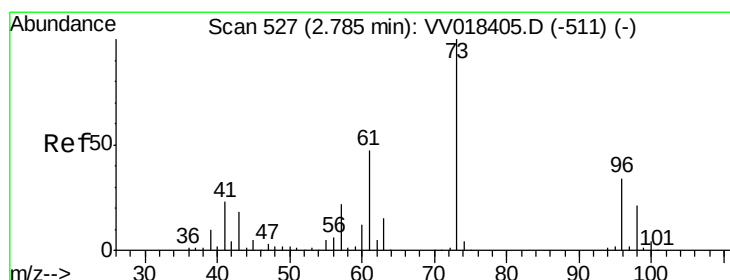
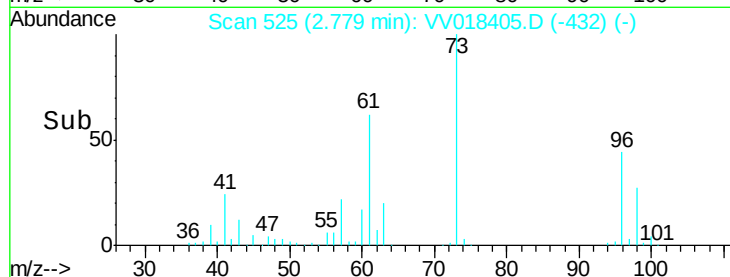
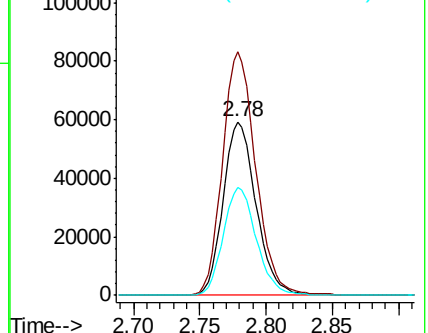
98 62.1 43.5 80.7



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: 50.000 ug/L

RT: 2.78 min Scan# 527

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

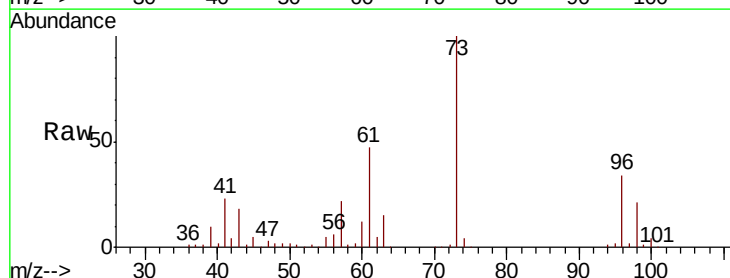
Tgt Ion: 73 Resp: 314720

Ion Ratio Lower Upper

73 100

43 19.3 15.4 23.2

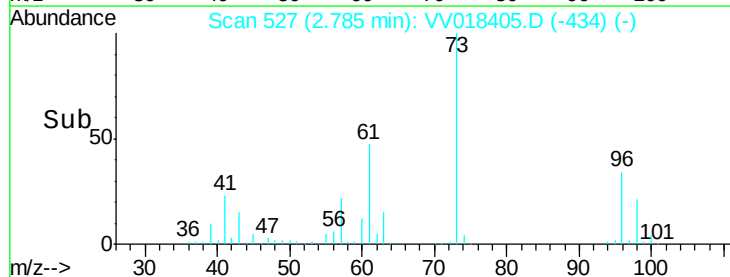
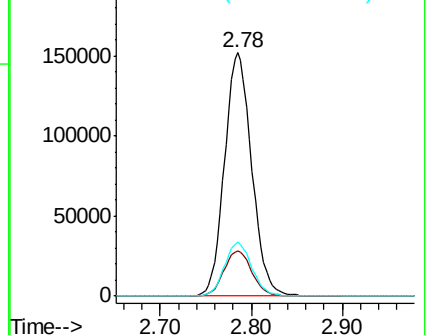
57 22.2 17.8 26.6

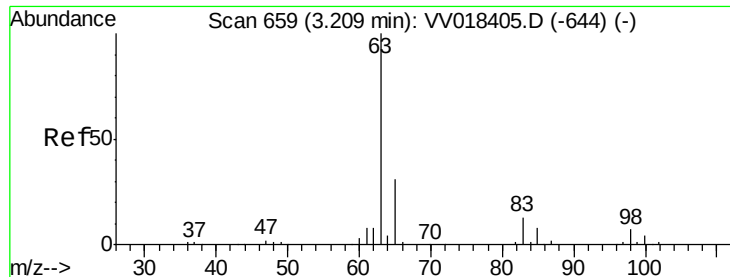


Abundance Ion 73.00 (72.70 to 73.70): VV0

Ion 43.00 (42.70 to 43.70): VV0

Ion 57.00 (56.70 to 57.70): VV0

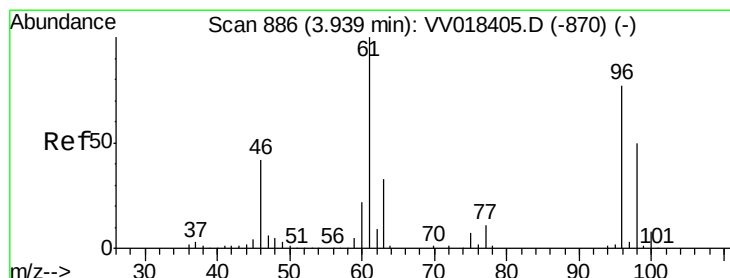
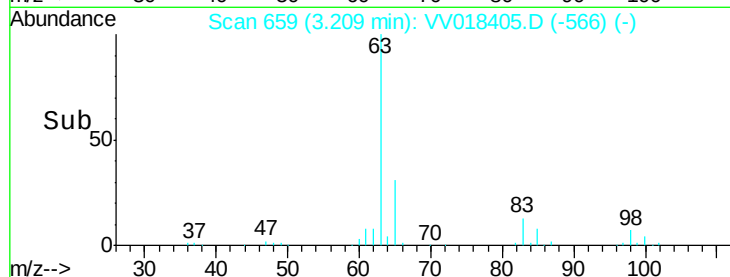
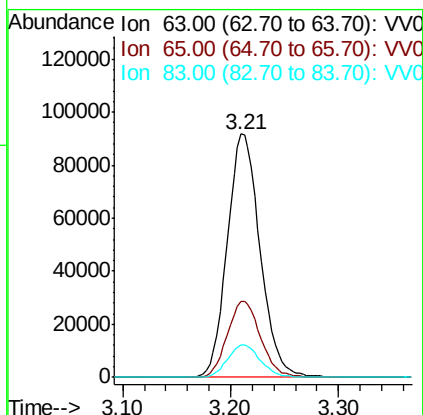
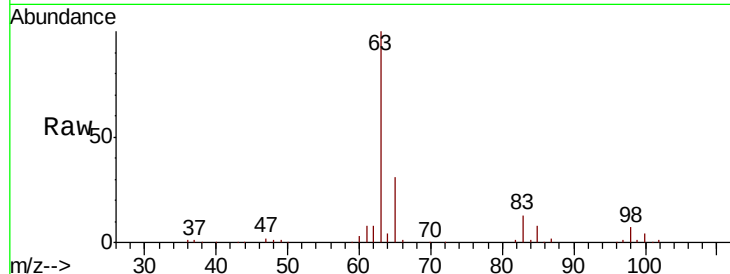




#19
 1,1-Dichloroethane
 Concen: 50.000 ug/L
 RT: 3.21 min Scan# 659
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

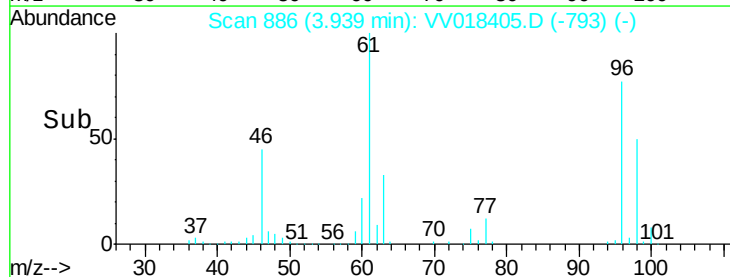
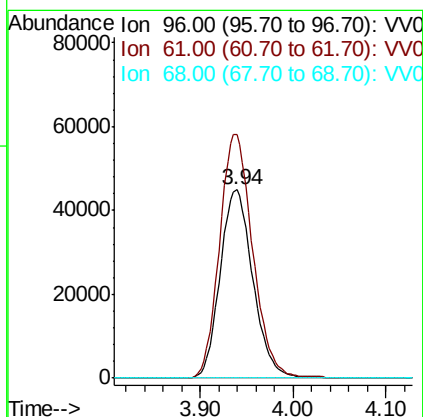
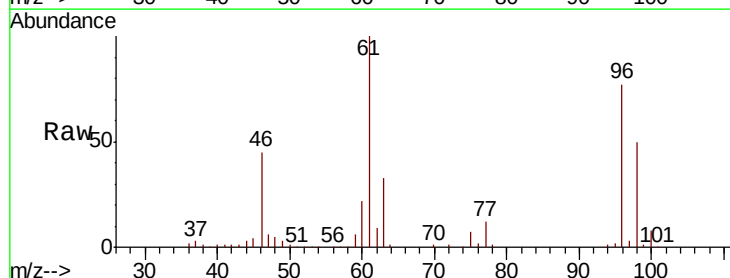
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

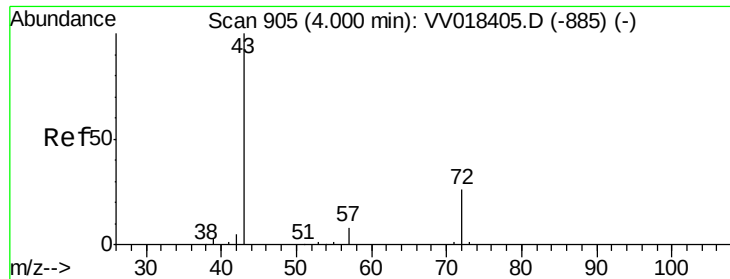
Tot Ion: 63 Resp: 194878
 Ion Ratio Lower Upper
 63 100
 65 31.2 21.8 40.6
 83 13.2 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 50.000 ug/L
 RT: 3.94 min Scan# 886
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Tgt Ion: 96 Resp: 110257
 Ion Ratio Lower Upper
 96 100
 61 129.1 90.4 167.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 100.000 ug/L

RT: 4.00 min Scan# 905

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampled :

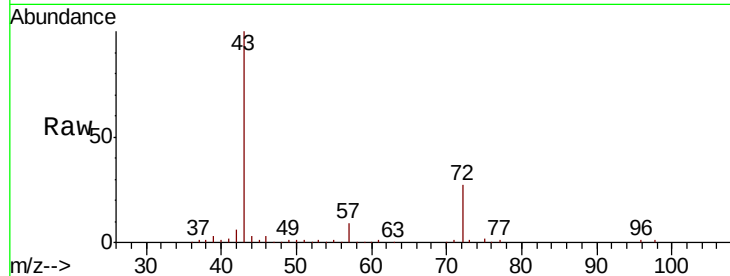
VSTD050303

Tot Ion: 43 Resp: 176322

Ion Ratio Lower Upper

43 100

72 25.5 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV018405.D (-885) (-)

Ion 72.00 (71.70 to 72.70): VV018405.D (-885) (-)

4.00

60000

50000

40000

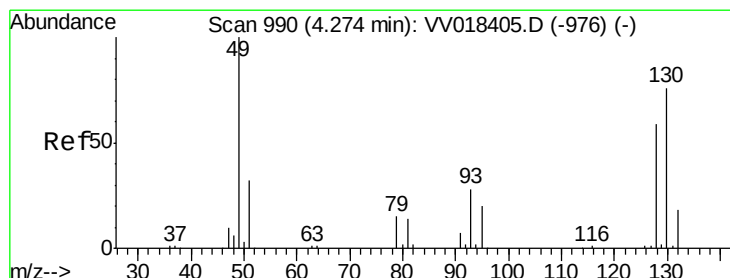
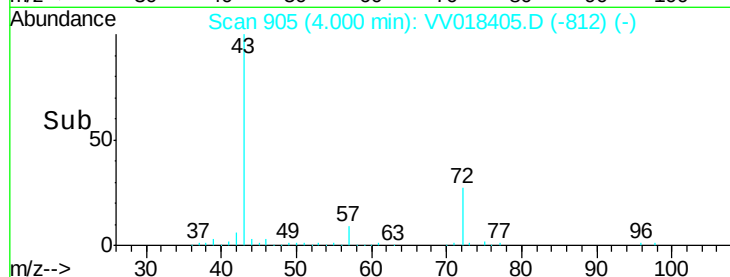
30000

20000

10000

0

Time-->



#23

Bromochloromethane

Concen: 50.000 ug/L

RT: 4.27 min Scan# 990

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Tgt Ion: 128 Resp: 58380

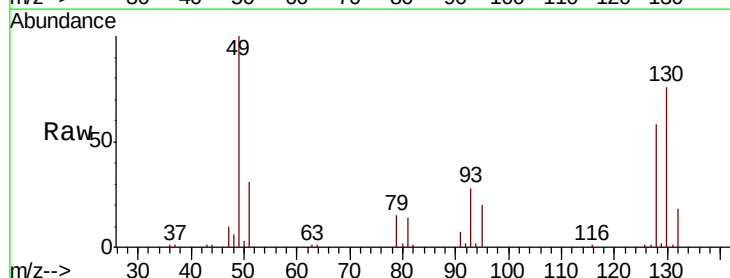
Ion Ratio Lower Upper

128 100

49 171.8 120.3 223.3

130 130.4 91.3 169.5

51 53.9 43.1 64.7



Abundance Ion 128.00 (127.70 to 128.70): VV018405.D (-976) (-)

Ion 49.00 (48.70 to 49.70): VV018405.D (-976) (-)

Ion 130.00 (129.70 to 130.70): VV018405.D (-976) (-)

Ion 51.00 (50.70 to 51.70): VV018405.D (-976) (-)

4.27

60000

50000

40000

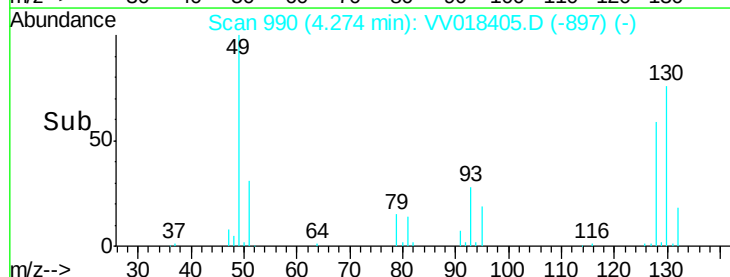
30000

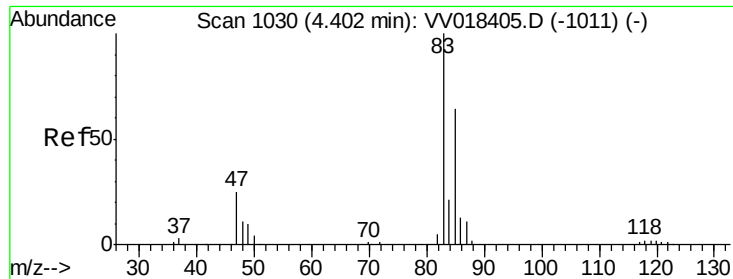
20000

10000

0

Time-->

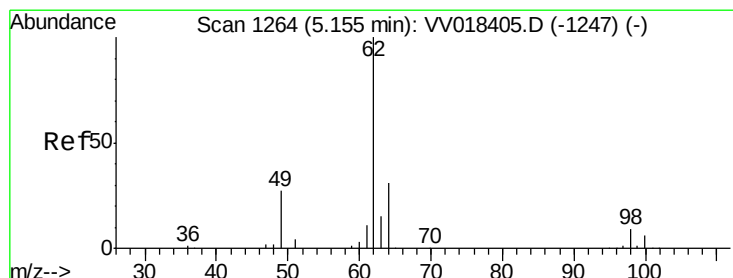
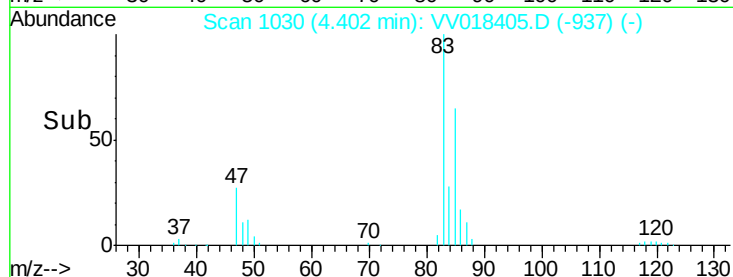
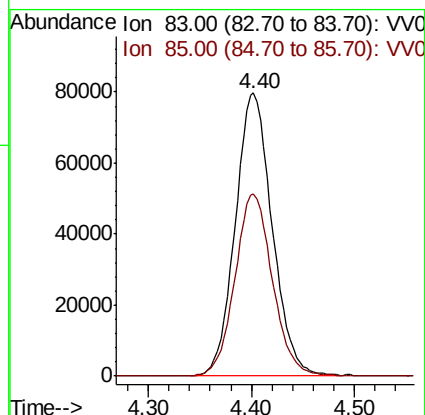
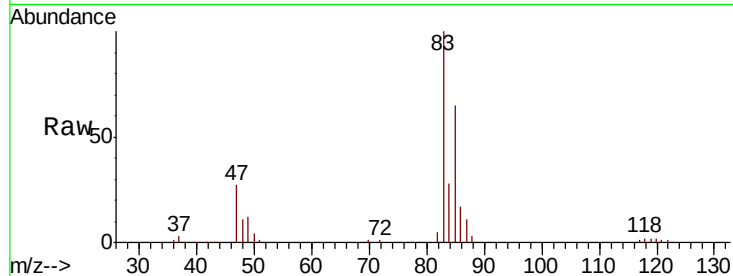




#25
Chloroform
Concen: 50.000 ug/L
RT: 4.40 min Scan# 1030
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

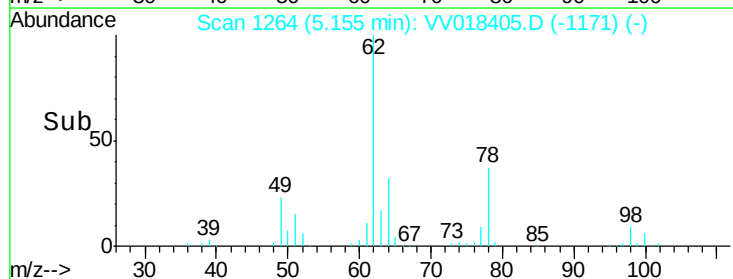
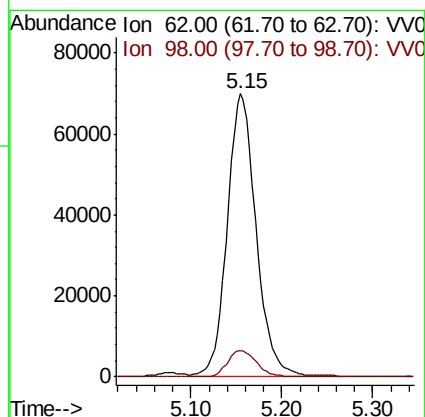
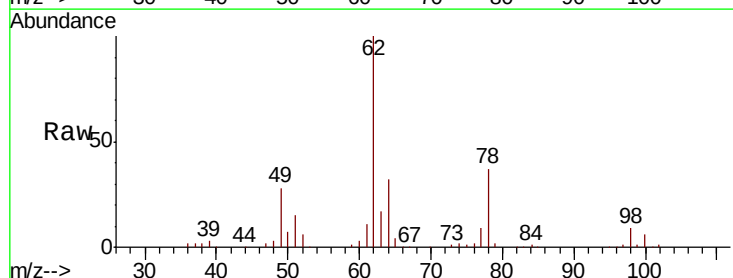
Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

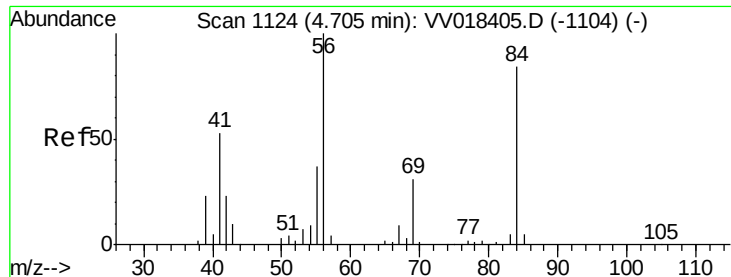
Tot Ion: 83 Resp: 198379
Ion Ratio Lower Upper
83 100
85 64.6 45.2 84.0



#27
1,2-Dichloroethane
Concen: 50.000 ug/L
RT: 5.15 min Scan# 1264
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion: 62 Resp: 153435
Ion Ratio Lower Upper
62 100
98 9.3 7.4 11.2

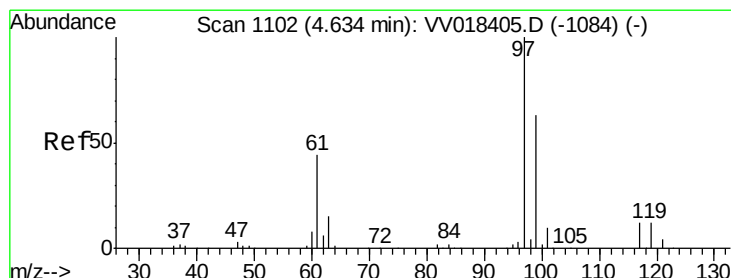
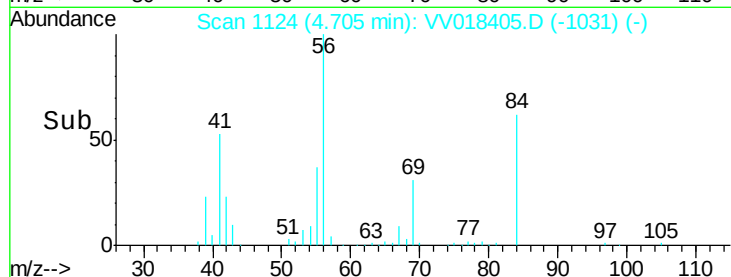
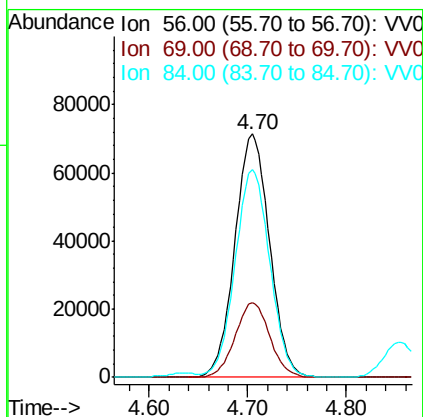
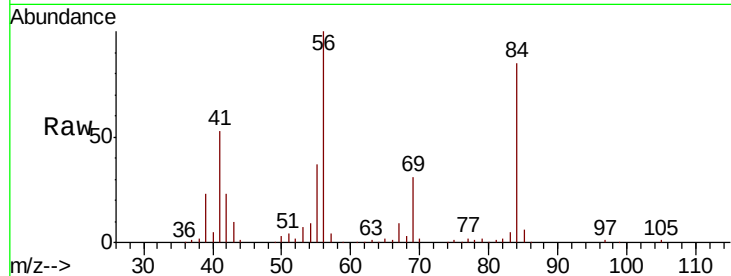




#29
Cyclohexane
Concen: 50.000 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

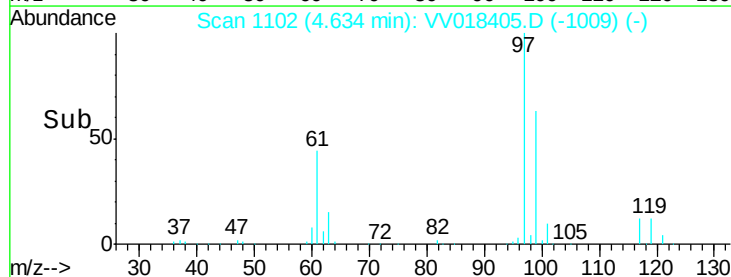
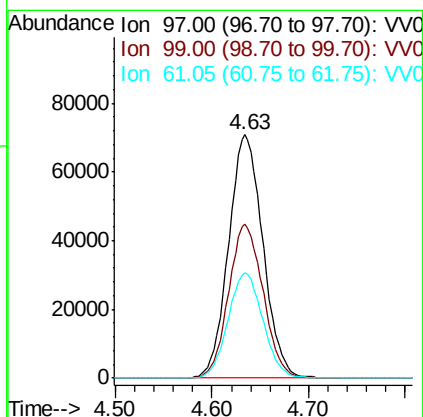
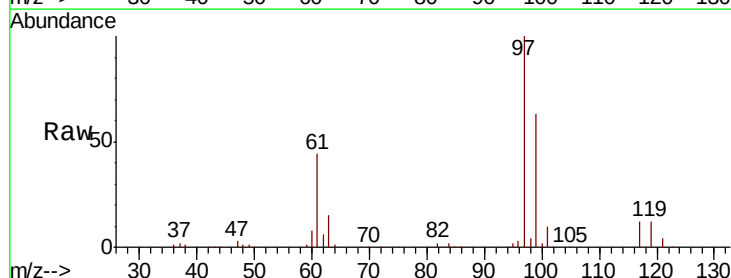
Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

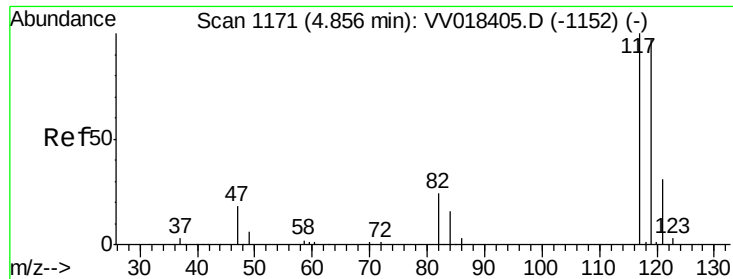
Tot Ion: 56 Resp: 174155
Ion Ratio Lower Upper
56 100
69 30.5 24.4 36.6
84 85.7 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 50.000 ug/L
RT: 4.63 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion: 97 Resp: 174974
Ion Ratio Lower Upper
97 100
99 63.4 50.7 76.1
61 43.8 35.0 52.6





#31

Carbon tetrachloride

Concen: 50.000 ug/L

RT: 4.86 min Scan# 1171

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

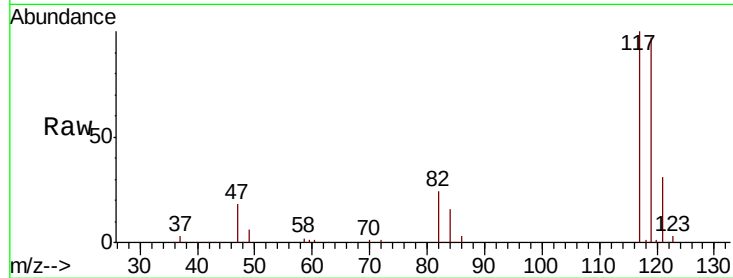
VSTD050303

Tot Ion:117 Resp: 152165

Ion Ratio Lower Upper

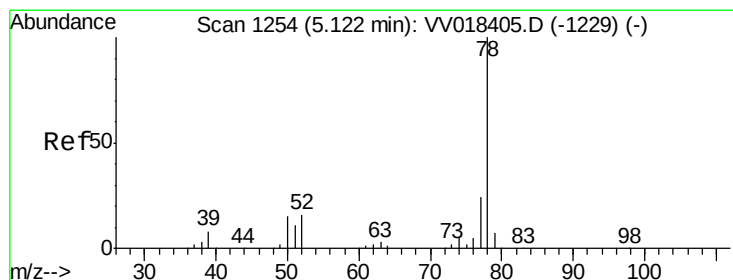
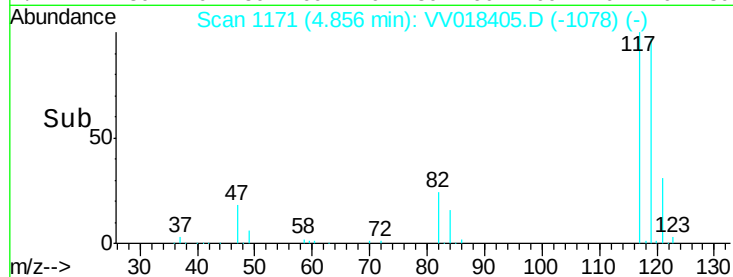
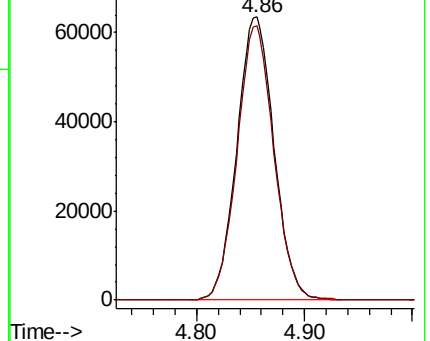
117 100

119 95.9 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.000 ug/L

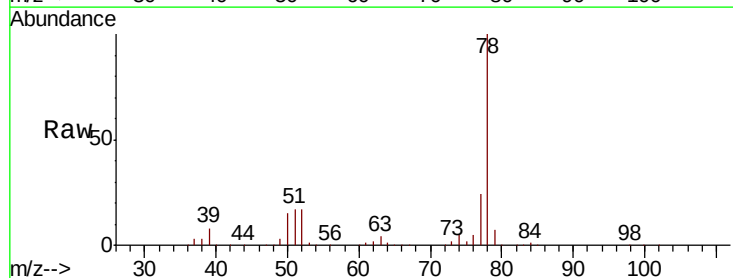
RT: 5.12 min Scan# 1254

Delta R.T. 0.00 min

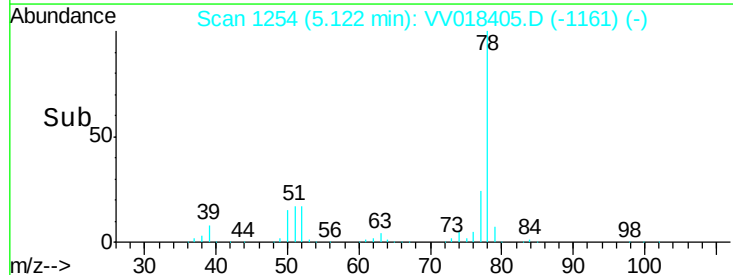
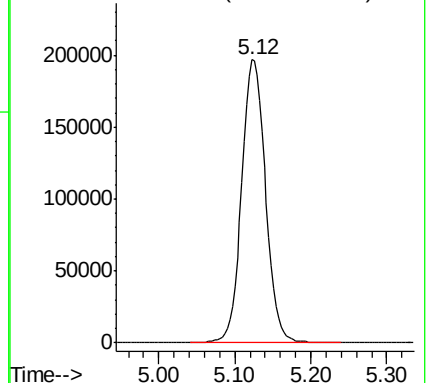
Lab File: VV018405.D

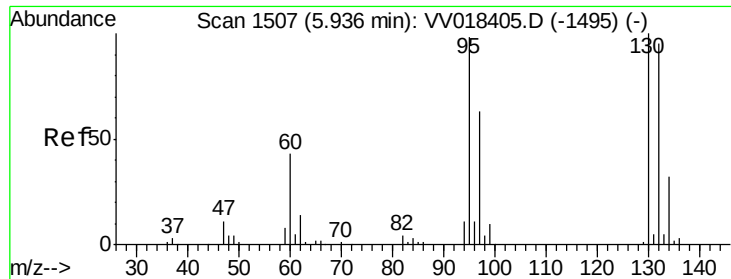
Acq: 23 Sep 2020 11:04

Tgt Ion: 78 Resp: 429394



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.000 ug/L

RT: 5.94 min Scan# 1507

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050303

Tot Ion: 95 Resp: 114520

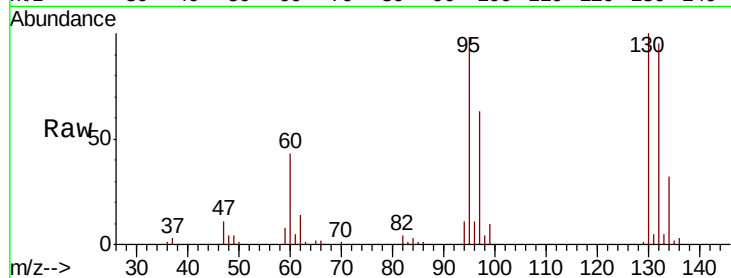
Ion Ratio Lower Upper

95 100

97 63.9 44.7 83.1

132 96.9 67.8 126.0

130 102.1 71.5 132.7

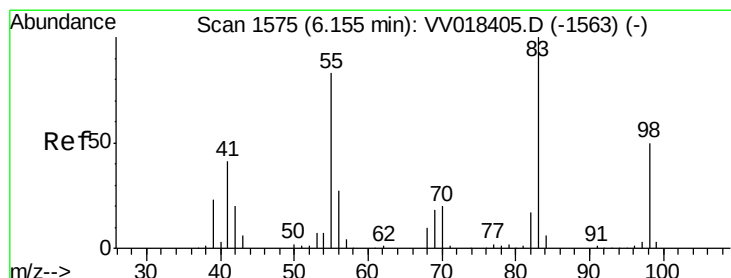
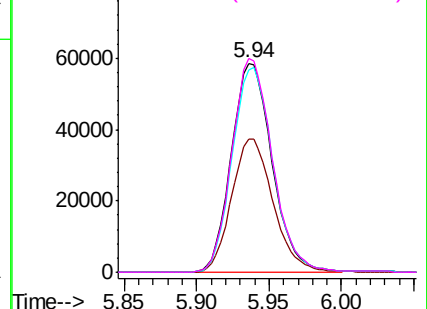
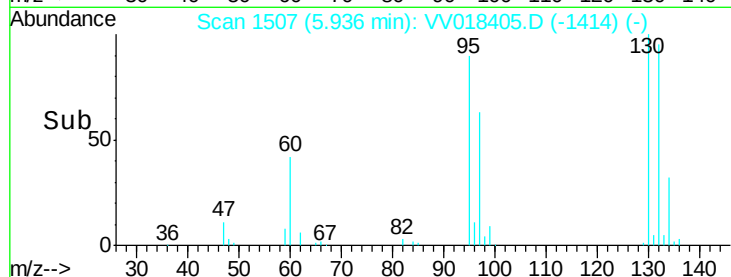


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 50.000 ug/L

RT: 6.15 min Scan# 1575

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

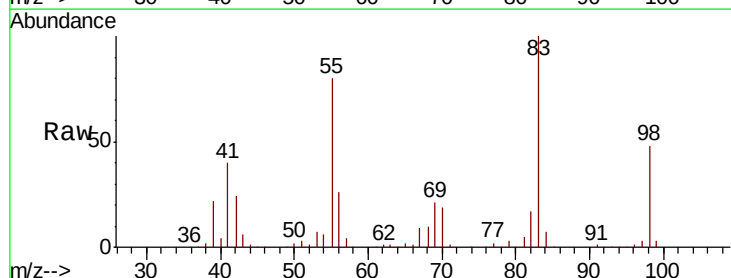
Tgt Ion: 83 Resp: 180779

Ion Ratio Lower Upper

83 100

55 79.5 63.6 95.4

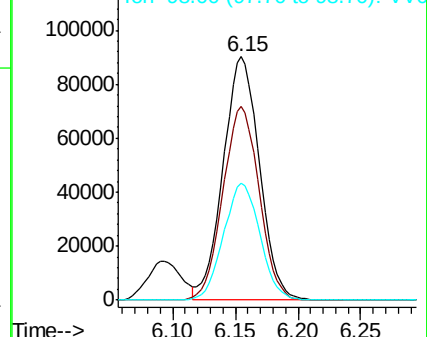
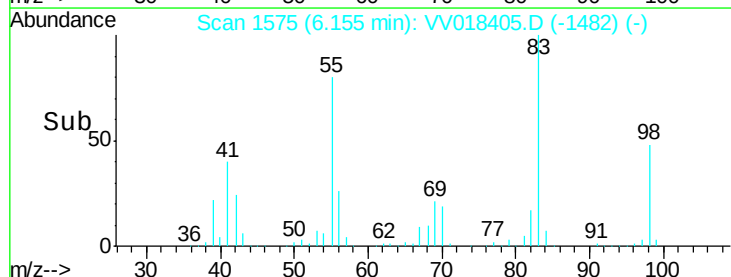
98 48.3 38.6 58.0

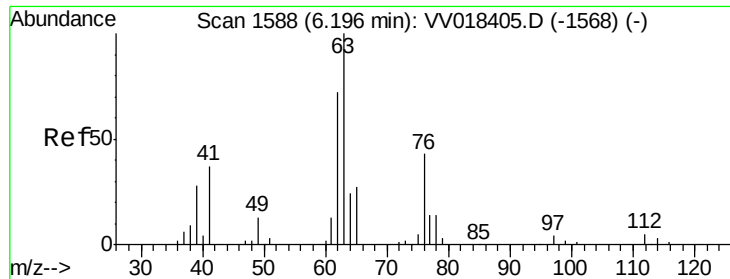


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

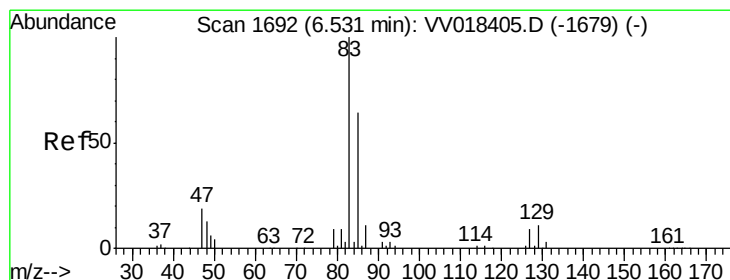
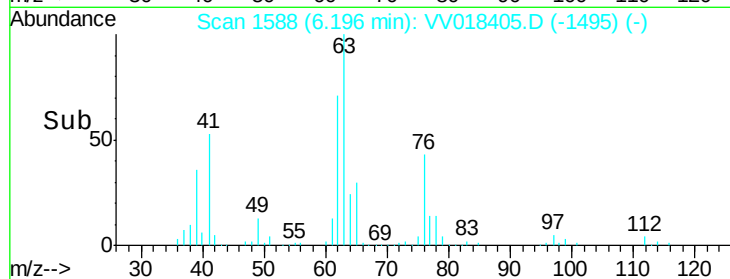
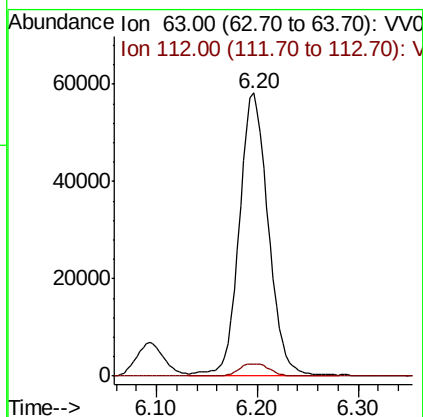
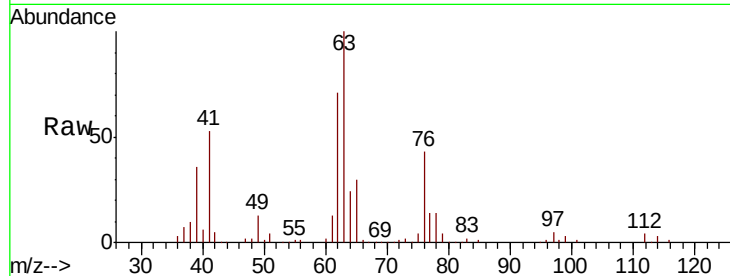




#37
 1,2-Dichloropropane
 Concen: 50.000 ug/L
 RT: 6.20 min Scan# 1588
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

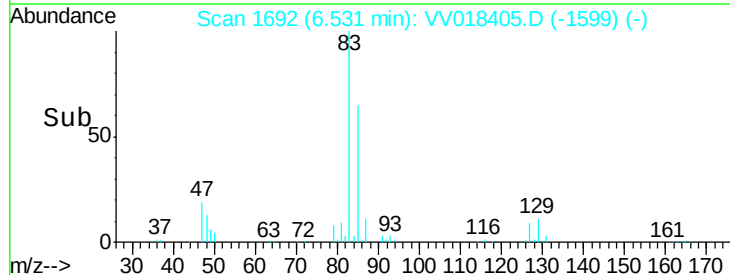
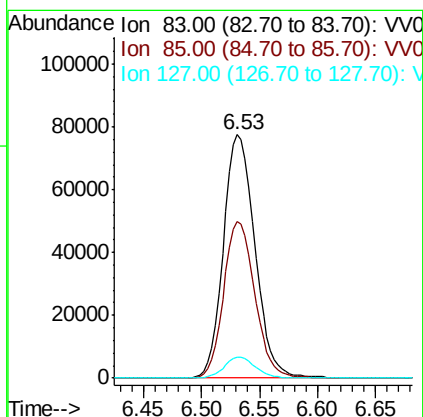
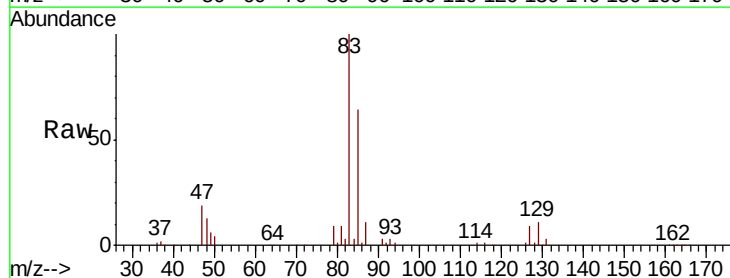
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

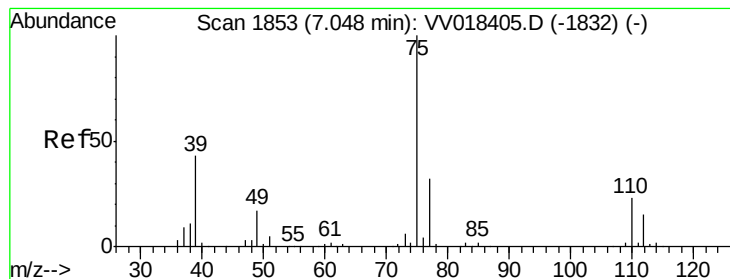
Tot Ion: 63 Resp: 116051
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 50.000 ug/L
 RT: 6.53 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Tgt Ion: 83 Resp: 146612
 Ion Ratio Lower Upper
 83 100
 85 64.5 45.1 83.9
 127 8.5 6.8 10.2



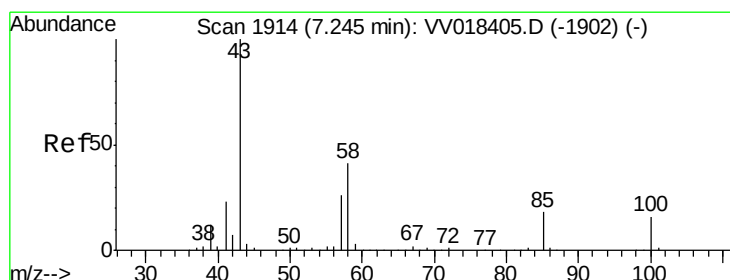
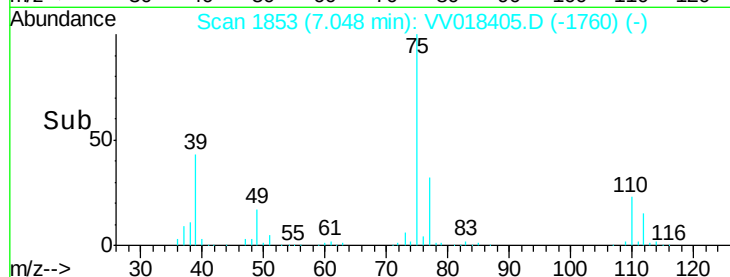
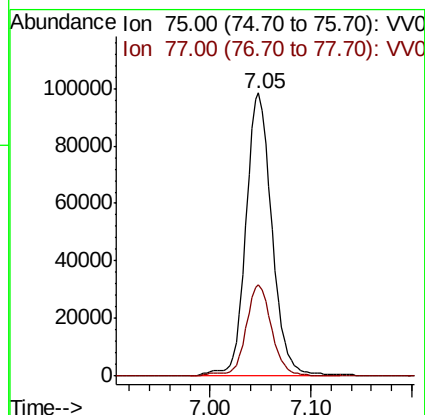
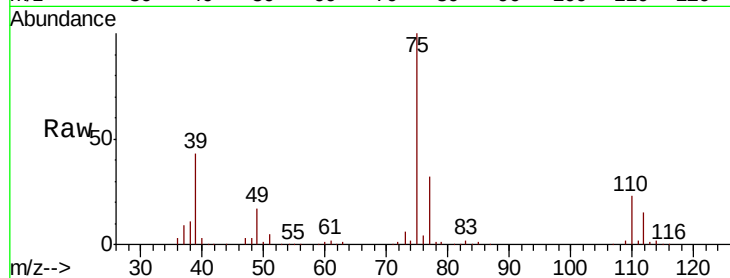


#39

cis-1,3-Dichloropropene
Concen: 50.000 ug/L
RT: 7.05 min Scan# 1853
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Instrument :
MSVOA_V
ClientSampled :
VSTD050303

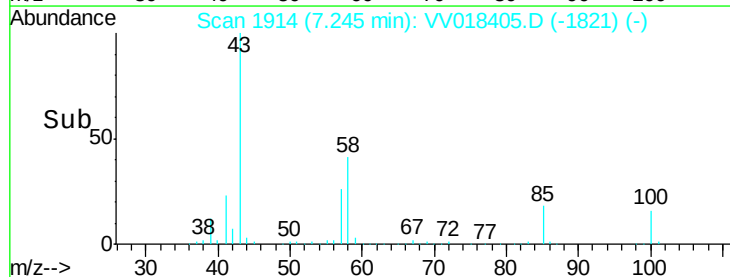
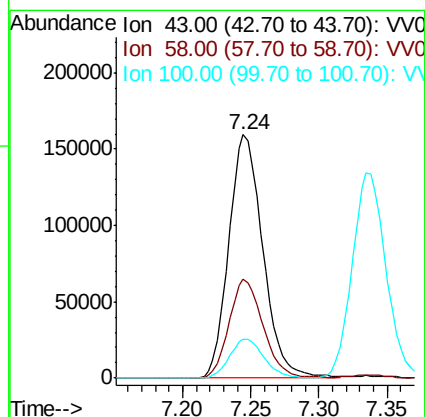
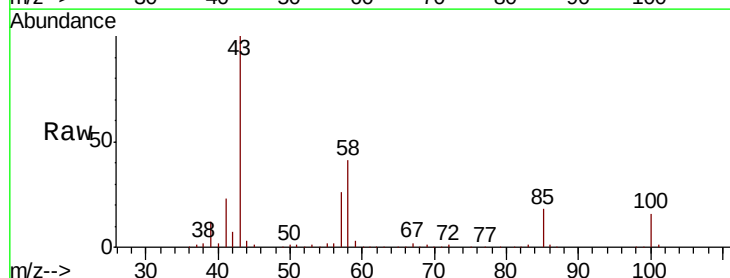
Tot Ion: 75 Resp: 175815
Ion Ratio Lower Upper
75 100
77 32.4 22.7 42.1

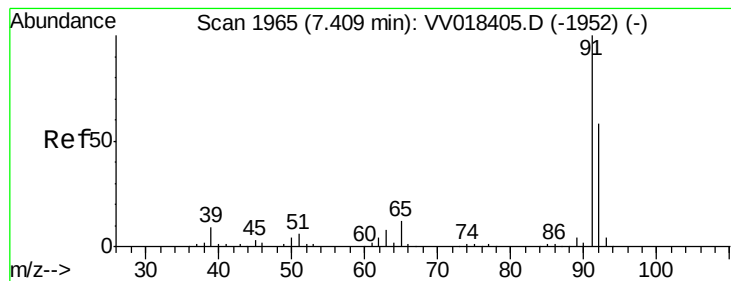


#40

4-Methyl-2-pentanone
Concen: 100.000 ug/L
RT: 7.24 min Scan# 1914
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion: 43 Resp: 277041
Ion Ratio Lower Upper
43 100
58 40.5 32.4 48.6
100 16.2 13.0 19.4





#42

Toluene

Concen: 50.000 ug/L

RT: 7.41 min Scan# 1965

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

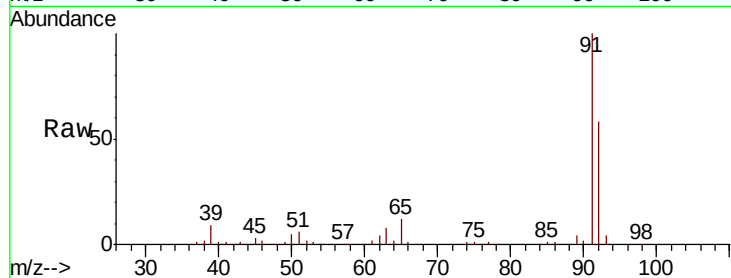
VSTD050303

Tot Ion: 91 Resp: 464817

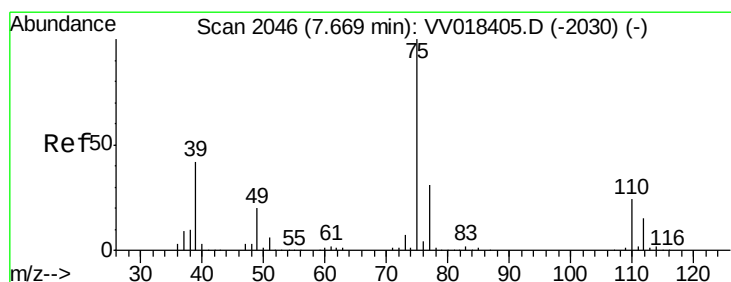
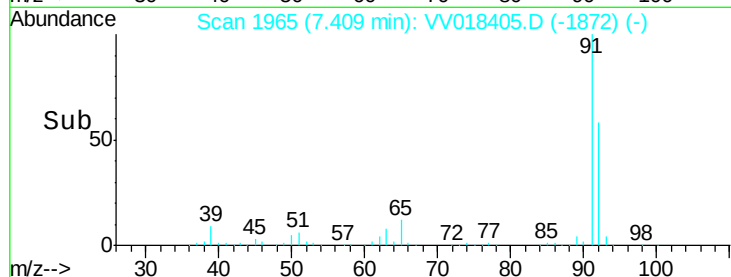
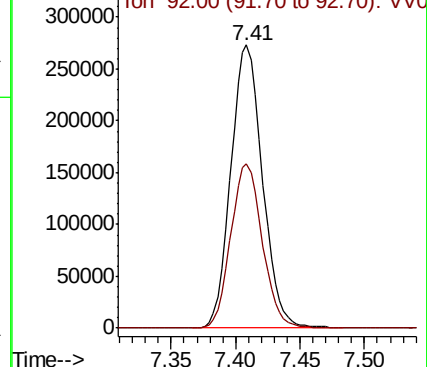
Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV018405.D (-1952) (-)



#44

trans-1,3-Dichloropropene

Concen: 50.000 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. 0.00 min

Lab File: VV018405.D

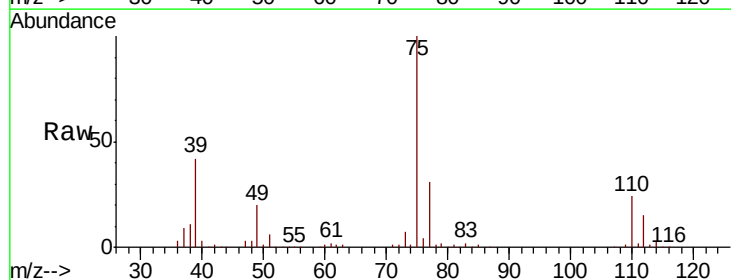
Acq: 23 Sep 2020 11:04

Tgt Ion: 75 Resp: 173731

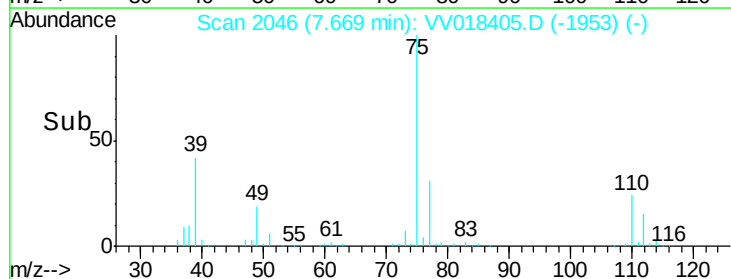
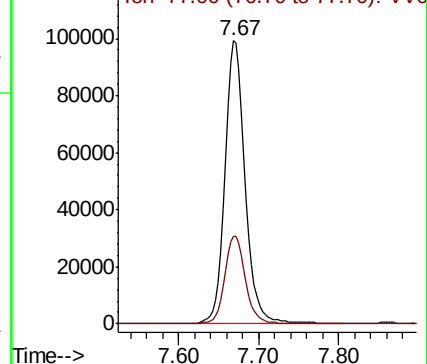
Ion Ratio Lower Upper

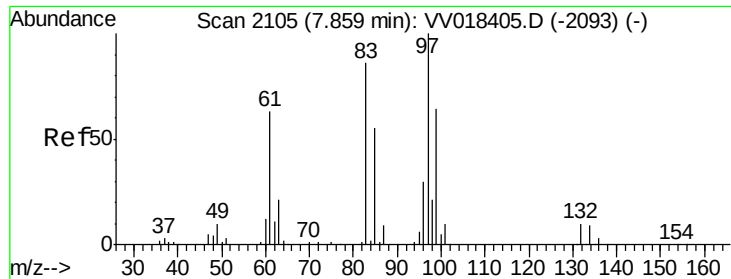
75 100

77 31.1 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV018405.D (-2030) (-)

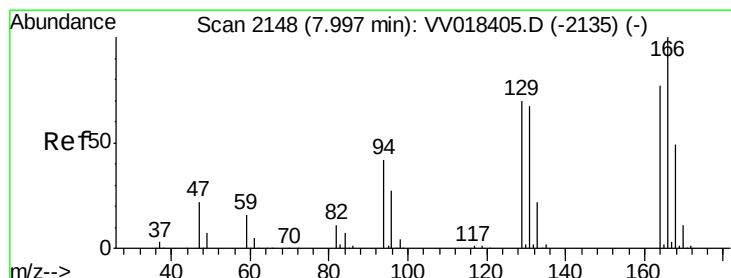
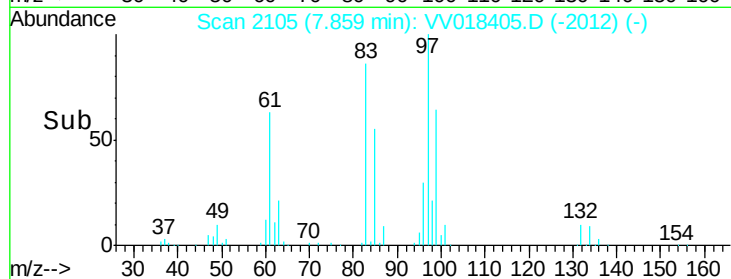
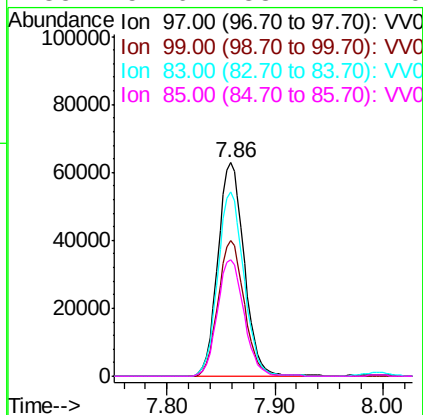
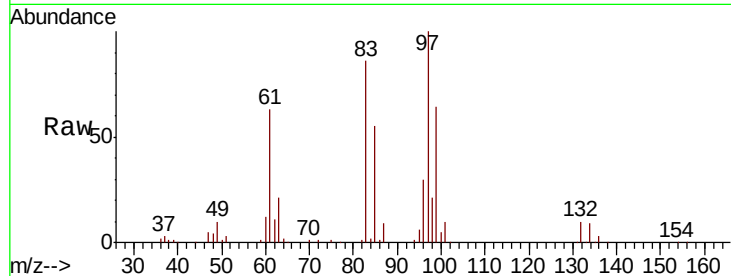




#45
 1,1,2-Trichloroethane
 Concen: 50.000 ug/L
 RT: 7.86 min Scan# 2105
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

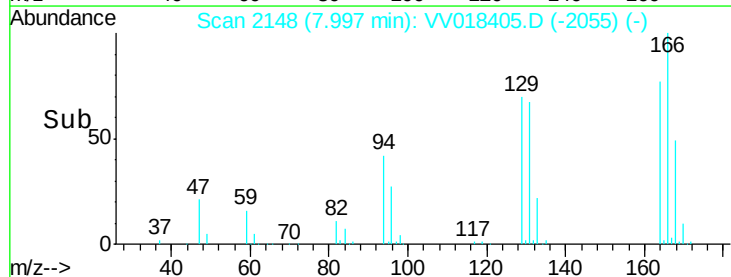
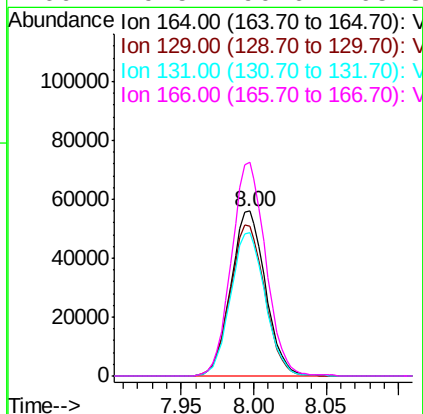
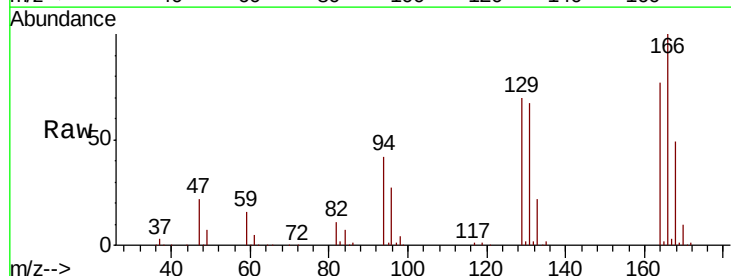
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

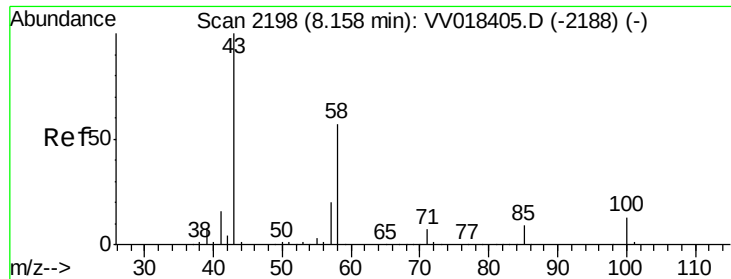
Tot Ion:	97	Resp:	106548
Ion	Ratio	Lower	Upper
97	100		
99	63.7	44.6	82.8
83	86.5	60.5	112.5
85	54.6	38.2	71.0



#46
 Tetrachloroethene
 Concen: 50.000 ug/L
 RT: 8.00 min Scan# 2148
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Tgt Ion:	164	Resp:	92833
Ion	Ratio	Lower	Upper
164	100		
129	91.0	63.7	118.3
131	86.6	60.6	112.6
166	129.5	90.6	168.3

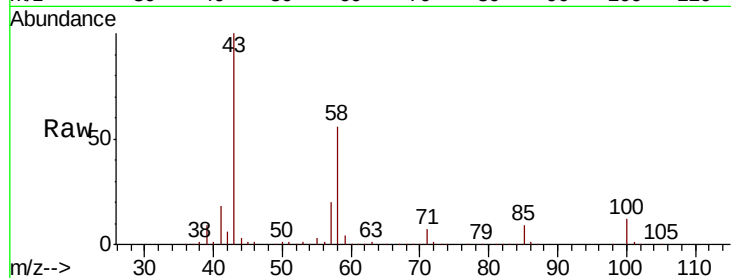




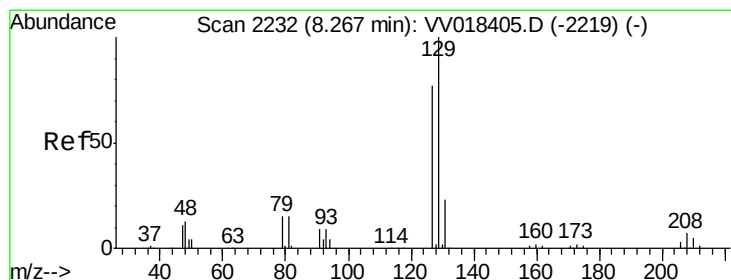
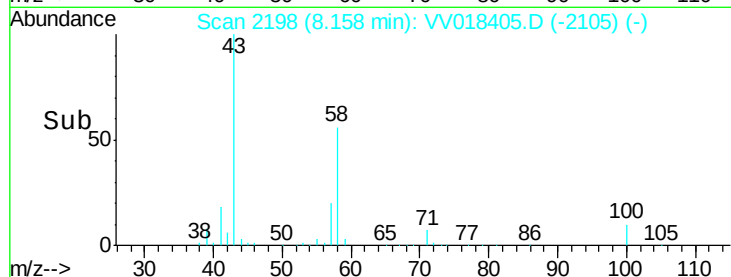
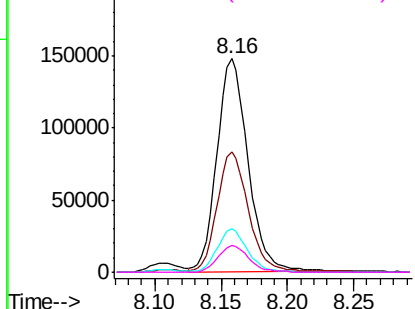
#48
2-Hexanone
Concen: 100.000 ug/L
RT: 8.16 min Scan# 2198
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

Tot Ion: 43 Resp: 239503
Ion Ratio Lower Upper
43 100
58 56.7 45.4 68.0
57 20.0 16.0 24.0
100 12.6 10.1 15.1

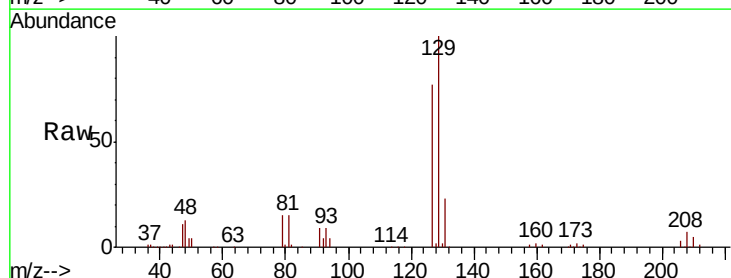


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

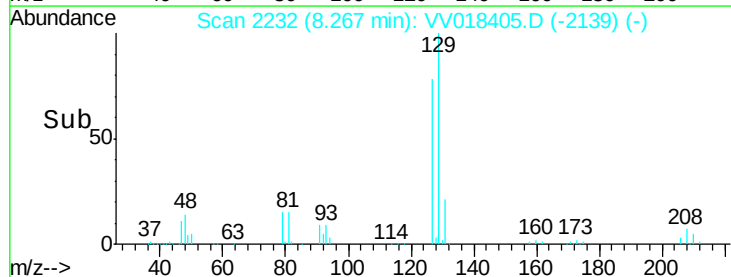
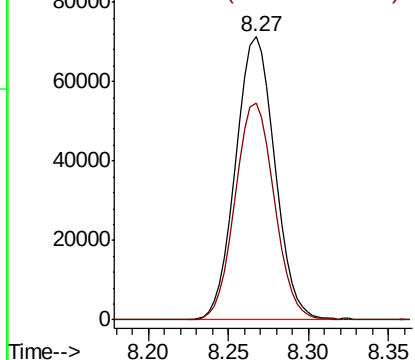


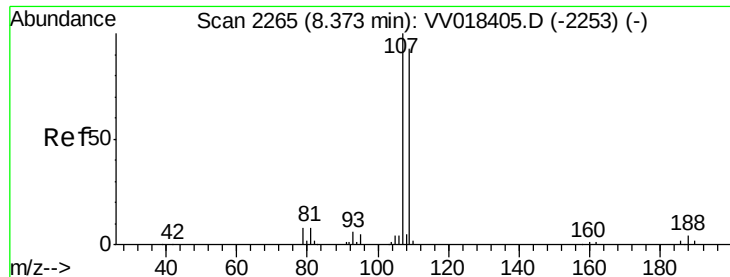
#49
Dibromochloromethane
Concen: 50.000 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion: 129 Resp: 119333
Ion Ratio Lower Upper
129 100
127 76.5 53.5 99.5



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

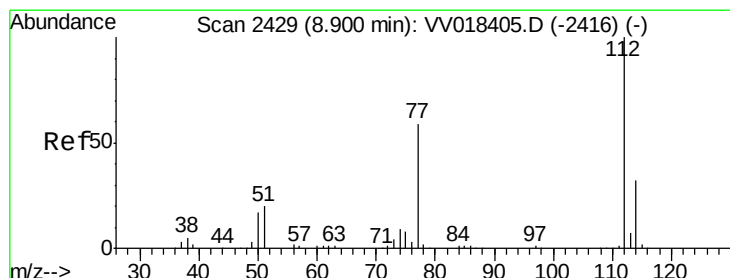
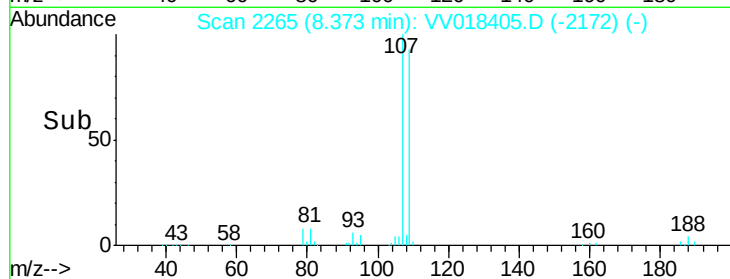
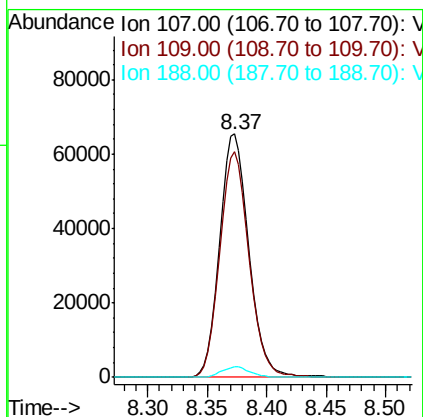
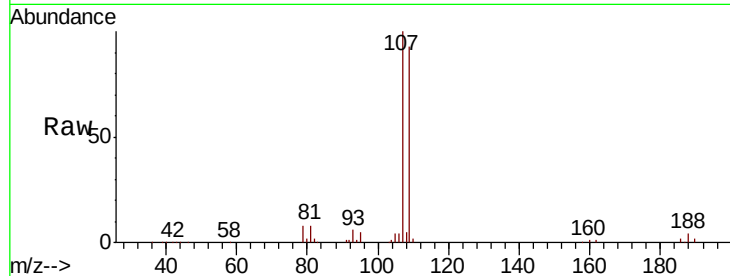




#50
1,2-Dibromoethane
Concen: 50.000 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

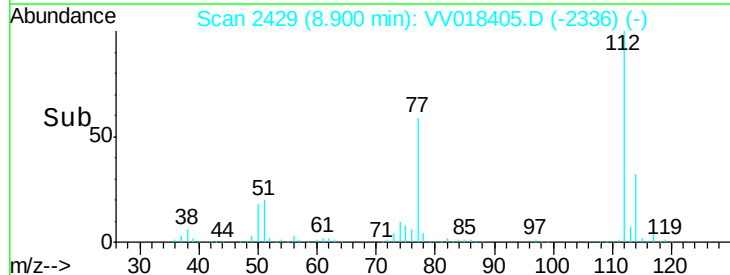
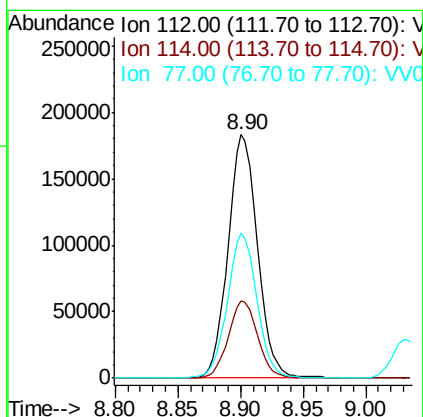
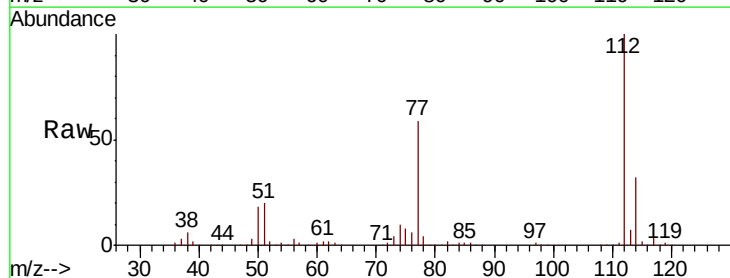
Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

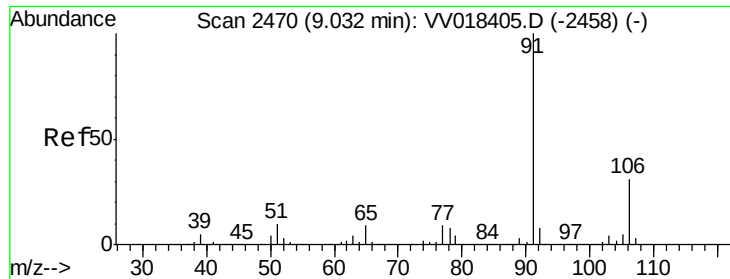
Tot Ion	Ratio	Lower	Upper
107	100		
109	92.7	64.9	120.5
188	4.2	3.4	5.0



#51
Chlorobenzene
Concen: 50.000 ug/L
RT: 8.90 min Scan# 2429
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.7	22.2	41.2
77	59.3	47.4	71.2





#52

Ethylbenzene

Concen: 50.000 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

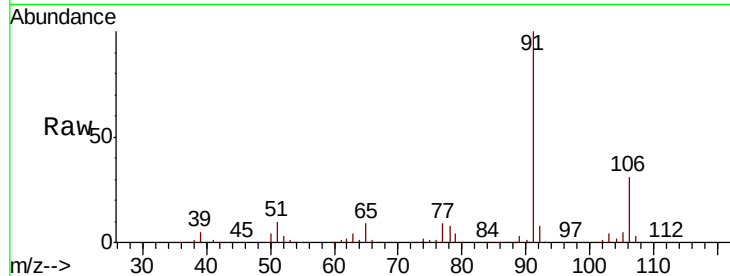
VSTD050303

Tot Ion: 91 Resp: 510379

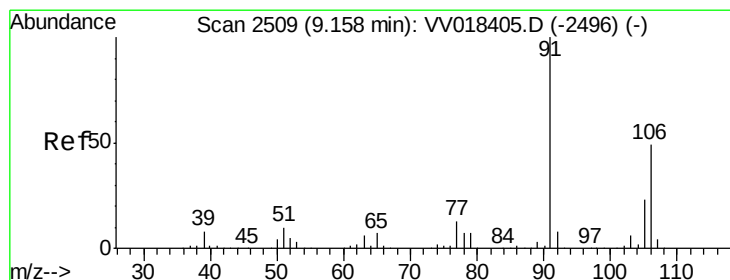
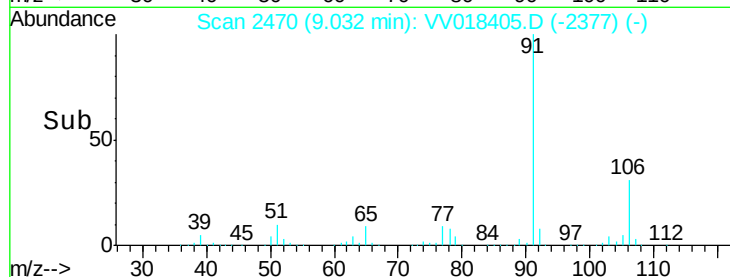
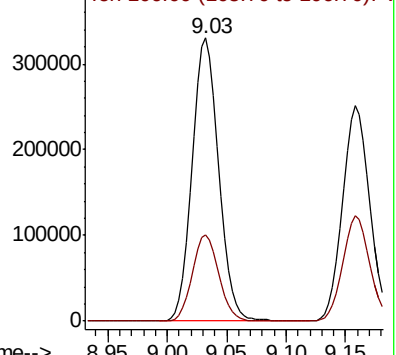
Ion Ratio Lower Upper

91 100

106 30.6 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV018405.D (-2458) (-)



#53

m,p-Xylene

Concen: 50.000 ug/L

RT: 9.16 min Scan# 2509

Delta R.T. 0.00 min

Lab File: VV018405.D

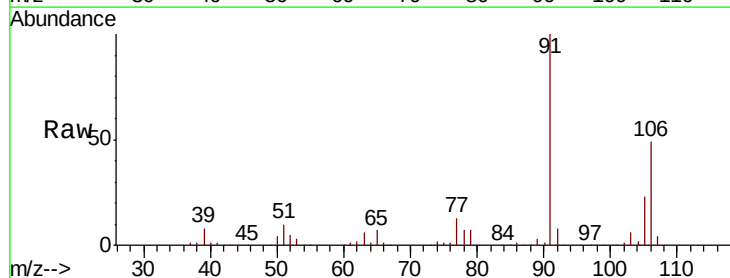
Acq: 23 Sep 2020 11:04

Tgt Ion: 106 Resp: 193171

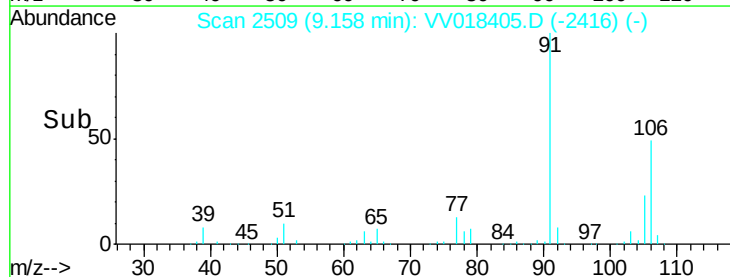
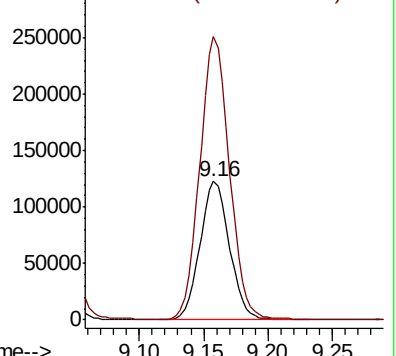
Ion Ratio Lower Upper

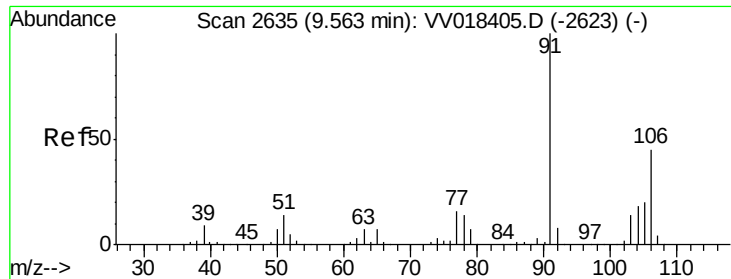
106 100

91 204.9 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018405.D (-2496) (-)

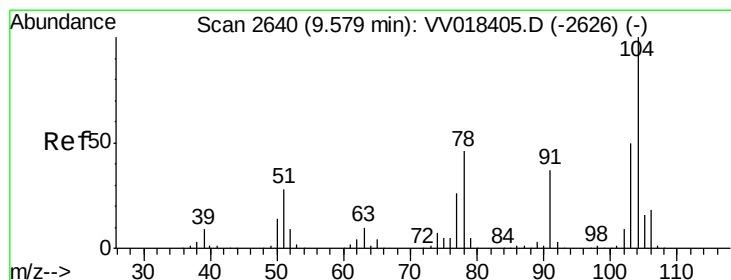
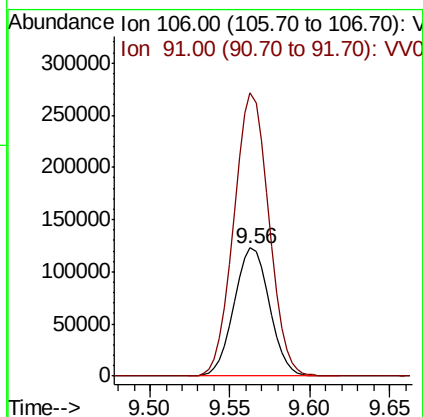
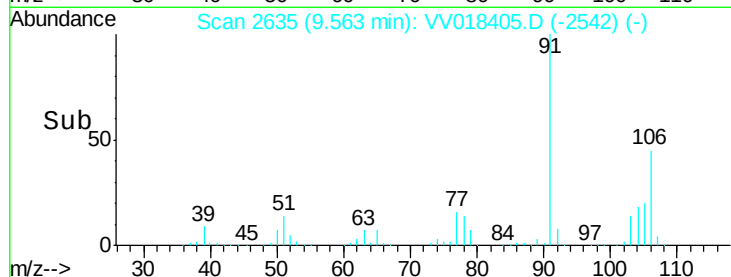
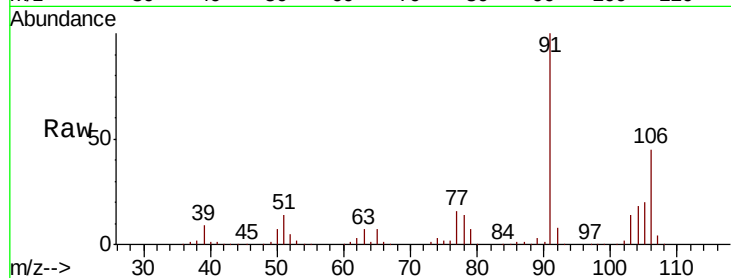




#54
o-Xylene
Concen: 50.000 ug/L
RT: 9.56 min Scan# 2635
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

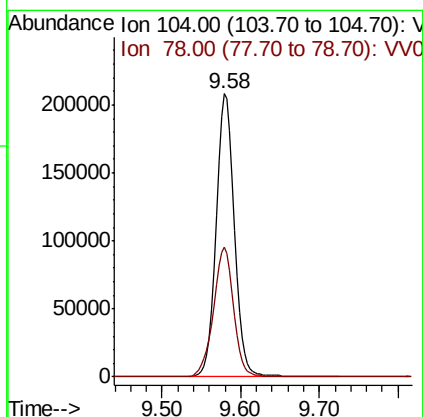
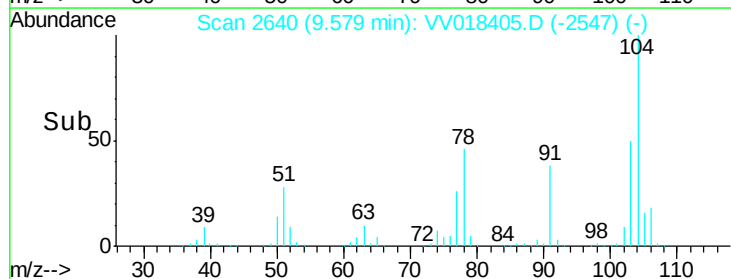
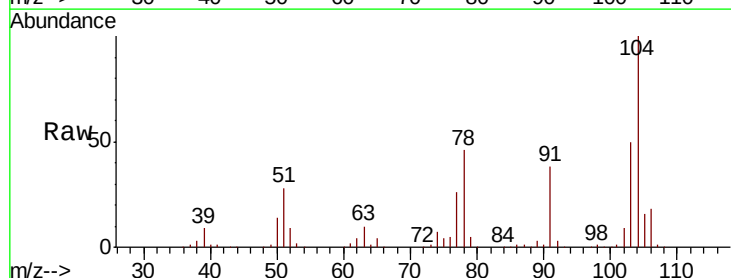
Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

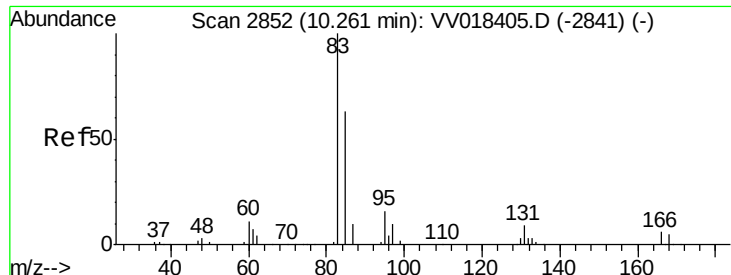
Tot Ion:106 Resp: 185310
Ion Ratio Lower Upper
106 100
91 221.0 154.7 287.3



#55
Styrene
Concen: 50.000 ug/L
RT: 9.58 min Scan# 2640
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion:104 Resp: 331442
Ion Ratio Lower Upper
104 100
78 45.8 32.1 59.5





#57

1,1,2,2-Tetrachloroethane

Concen: 50.000 ug/L

RT: 10.26 min Scan# 2852

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050303

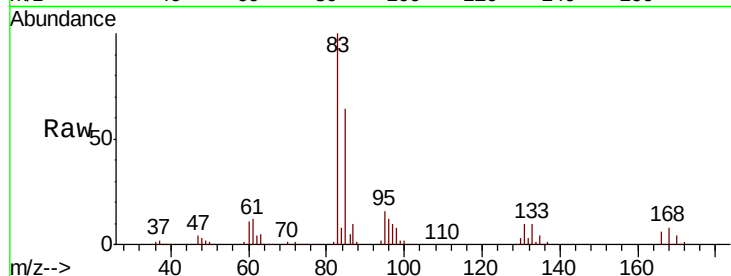
Tot Ion: 83 Resp: 157706

Ion Ratio Lower Upper

83 100

85 63.5 44.4 82.5

131 9.7 7.8 11.6

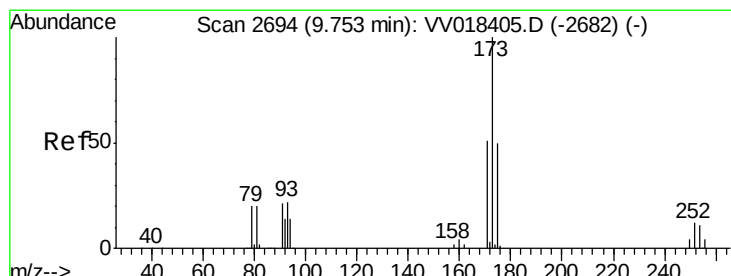
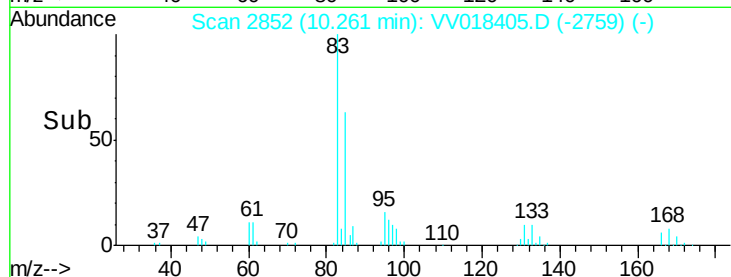


Abundance Ion 83.00 (82.70 to 83.70): VV018405.D (-2841) (-)

Ion 85.00 (84.70 to 85.70): VV018405.D (-2841) (-)

Ion 131.00 (130.70 to 131.70): VV018405.D (-2841) (-)

Time-->



#59

Bromoform

Concen: 50.000 ug/L

RT: 9.75 min Scan# 2694

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

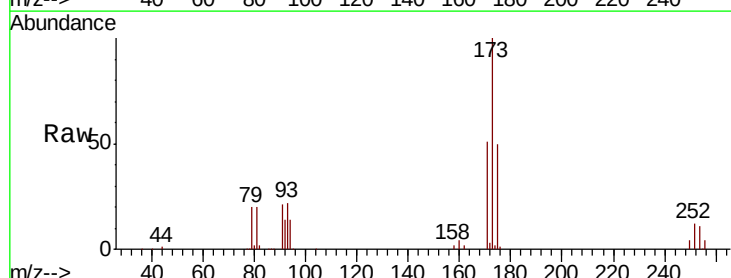
Tgt Ion: 173 Resp: 87351

Ion Ratio Lower Upper

173 100

175 49.3 39.4 59.2

254 10.9 8.7 13.1

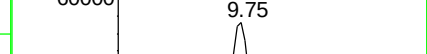
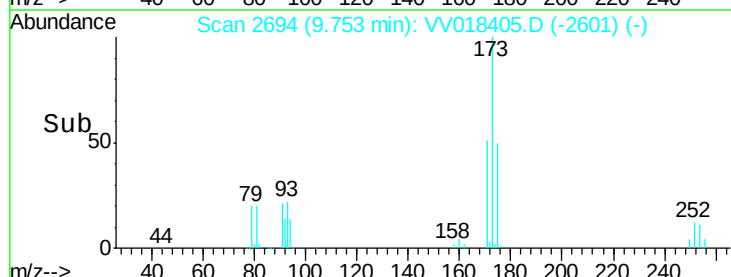


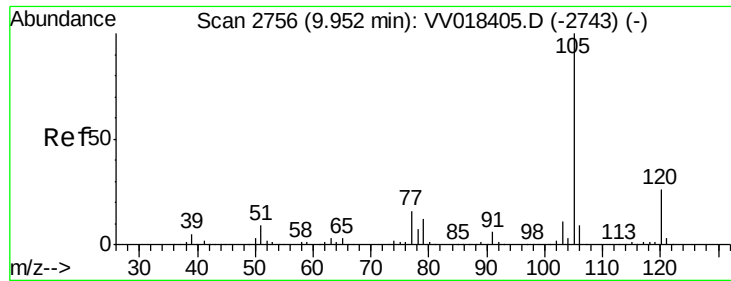
Abundance Ion 173.00 (172.70 to 173.70): VV018405.D (-2682) (-)

Ion 175.00 (174.70 to 175.70): VV018405.D (-2682) (-)

Ion 254.00 (253.70 to 254.70): VV018405.D (-2682) (-)

Time-->





#60

Isopropylbenzene

Concen: 50.000 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

Instrument :

MSVOA_V

ClientSampleId :

VSTD050303

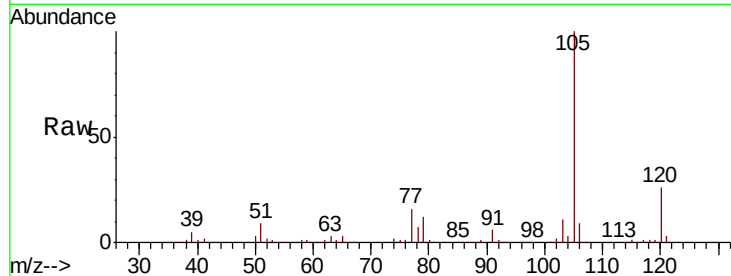
Tot Ion:105 Resp: 508154

Ion Ratio Lower Upper

105 100

120 26.0 20.8 31.2

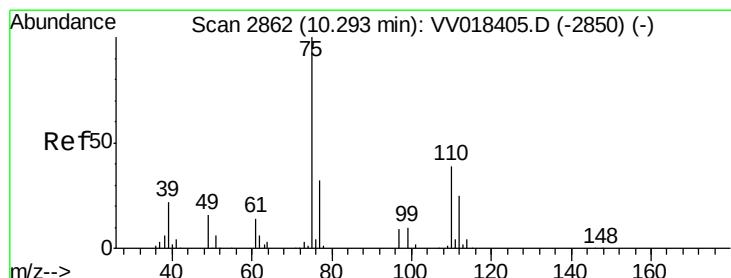
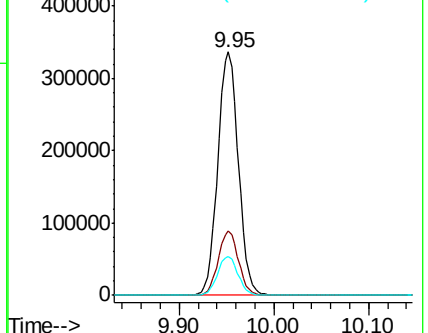
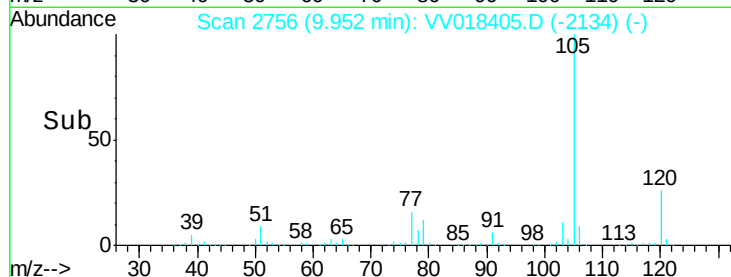
77 16.0 12.8 19.2



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: 50.000 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV018405.D

Acq: 23 Sep 2020 11:04

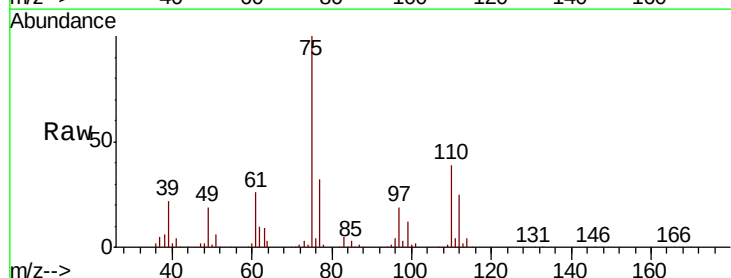
Tgt Ion: 75 Resp: 133658

Ion Ratio Lower Upper

75 100

77 32.3 25.8 38.8

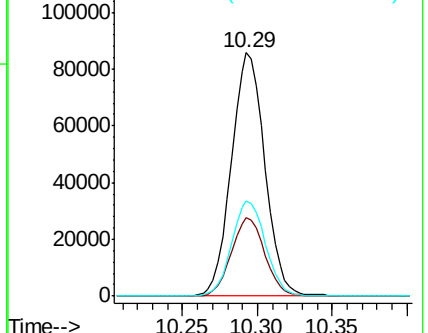
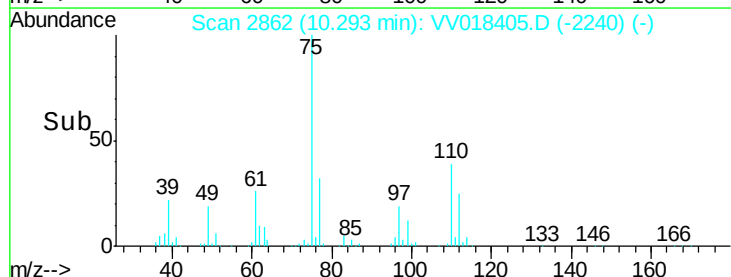
110 39.4 31.5 47.3

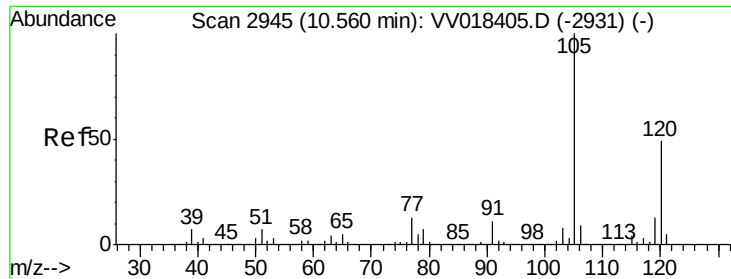


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

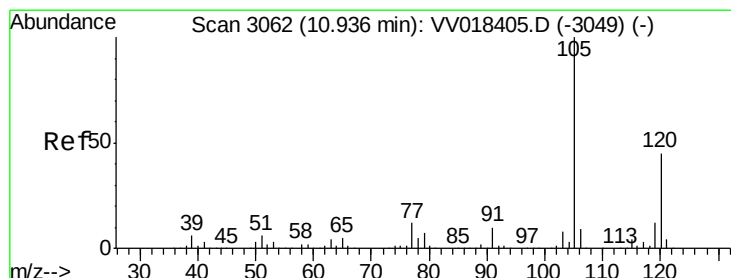
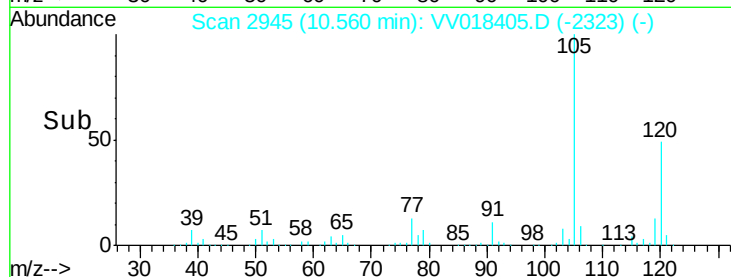
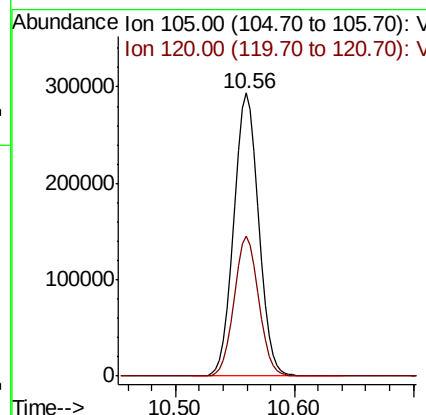
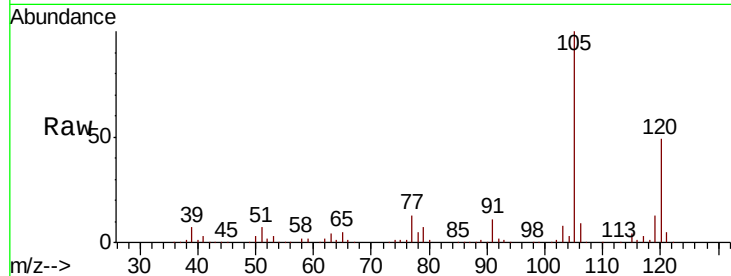




#62
 1,3,5-Trimethylbenzene
 Concen: 50.000 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

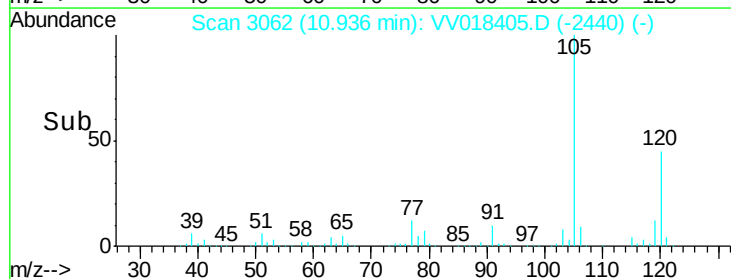
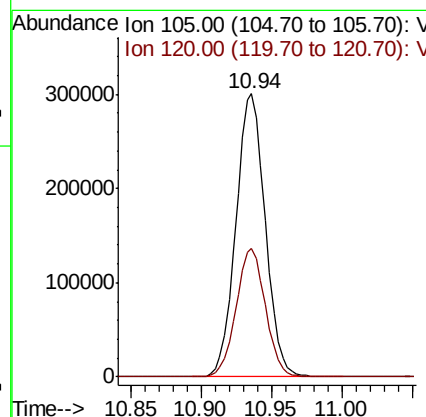
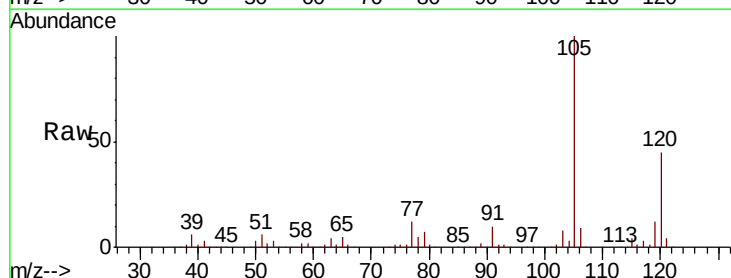
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

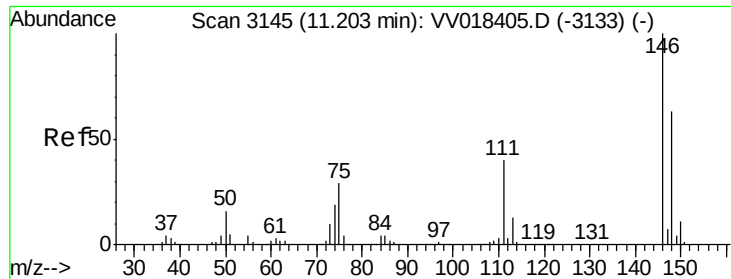
Tot Ion:105 Resp: 425535
 Ion Ratio Lower Upper
 105 100
 120 48.9 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 50.000 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Tgt Ion:105 Resp: 438029
 Ion Ratio Lower Upper
 105 100
 120 45.2 36.2 54.2

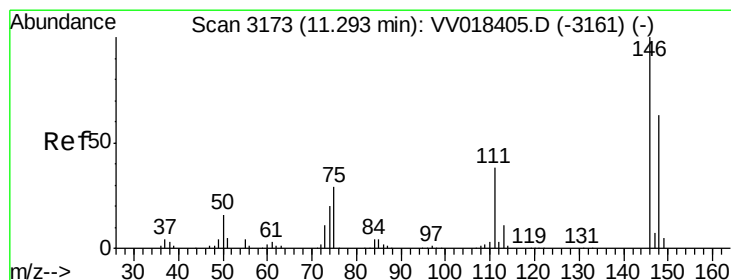
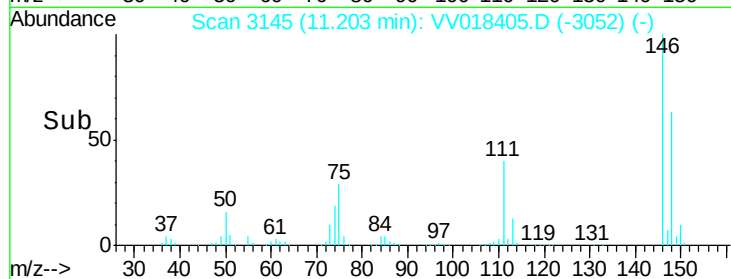
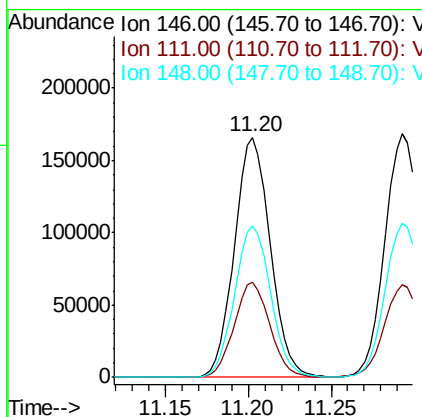
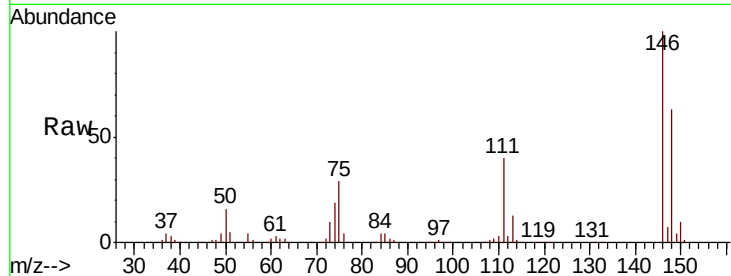




#64
 1,3-Dichlorobenzene
 Concen: 50.000 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

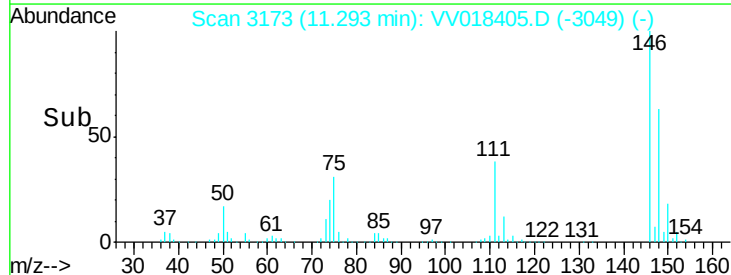
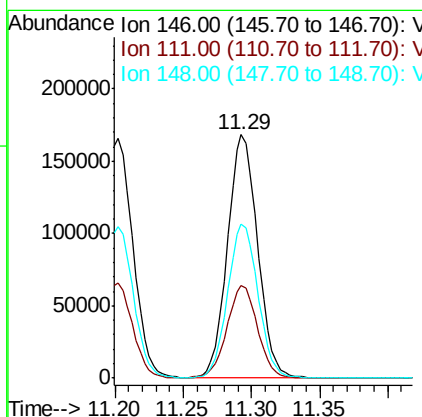
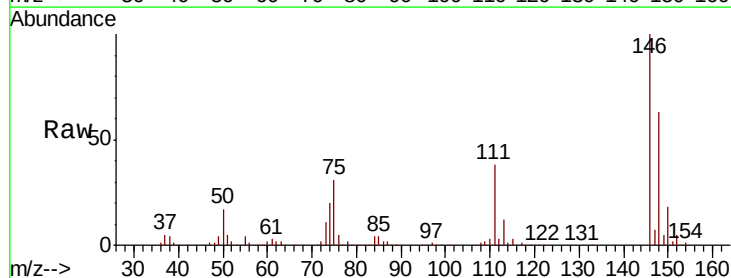
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

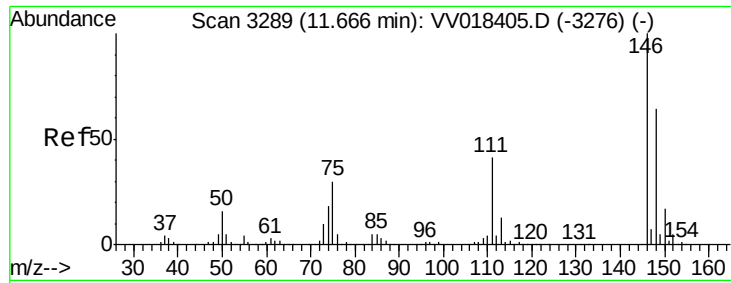
Tot Ion:146 Resp: 250180
 Ion Ratio Lower Upper
 146 100
 111 39.5 27.6 51.4
 148 63.2 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 50.000 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Tgt Ion:146 Resp: 257195
 Ion Ratio Lower Upper
 146 100
 111 38.0 26.6 49.4
 148 63.3 44.3 82.3

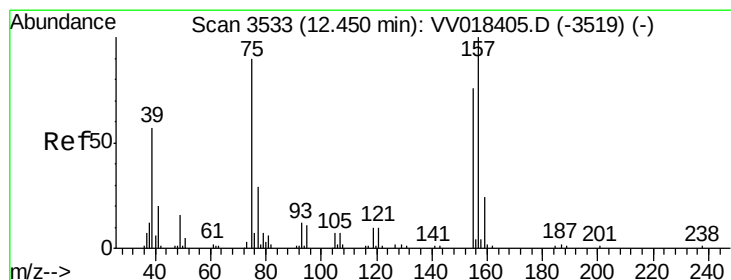
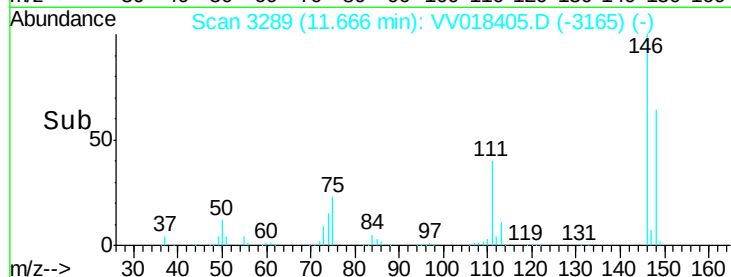
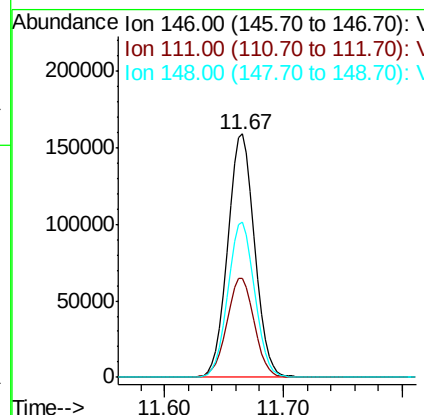
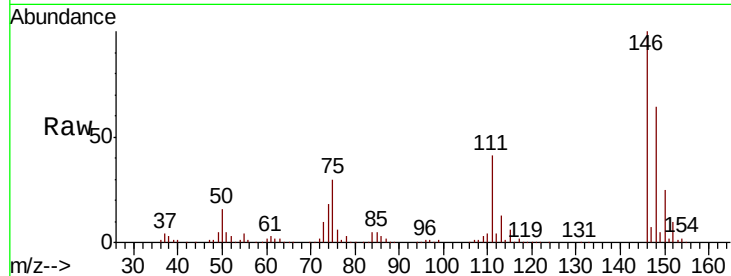




#67
 1,2-Dichlorobenzene
 Concen: 50.000 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

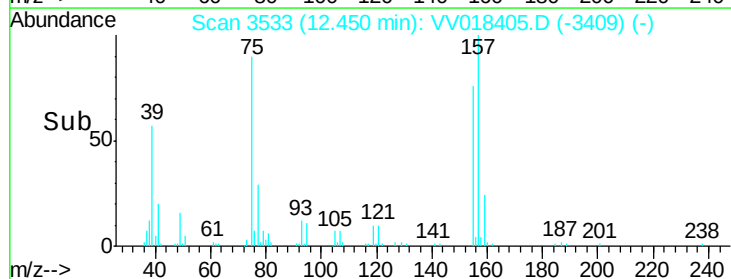
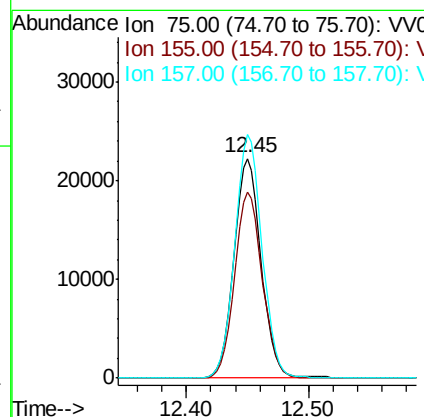
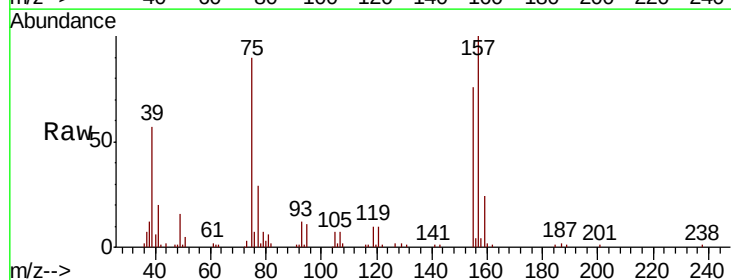
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

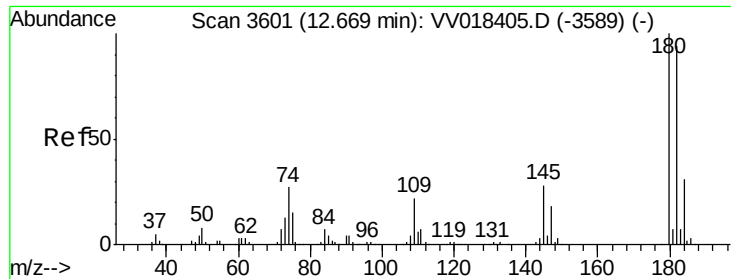
Tot Ion:146 Resp: 249033
 Ion Ratio Lower Upper
 146 100
 111 40.8 32.6 49.0
 148 63.8 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 50.000 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Tgt Ion: 75 Resp: 34673
 Ion Ratio Lower Upper
 75 100
 155 84.5 67.6 101.4
 157 110.9 88.7 133.1

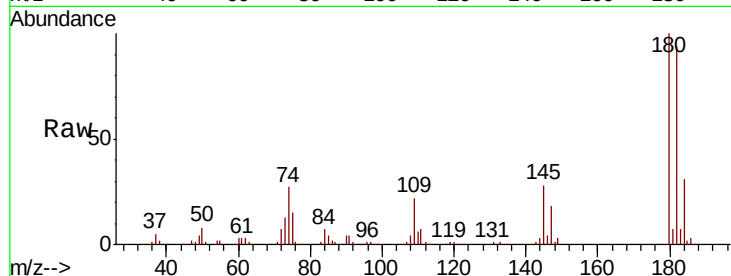




#69
 1,3,5-Trichlorobenzene
 Concen: 50.000 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050303

Tot Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
184	31.0	24.8	37.2
145	28.7	23.0	34.4

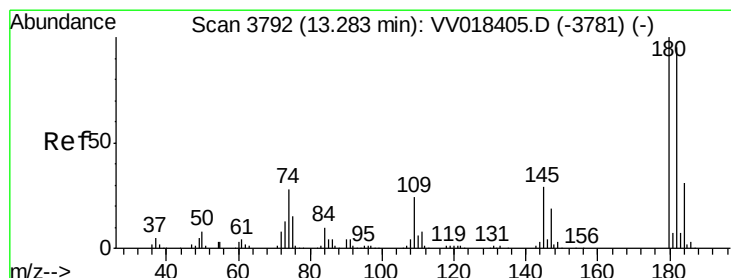
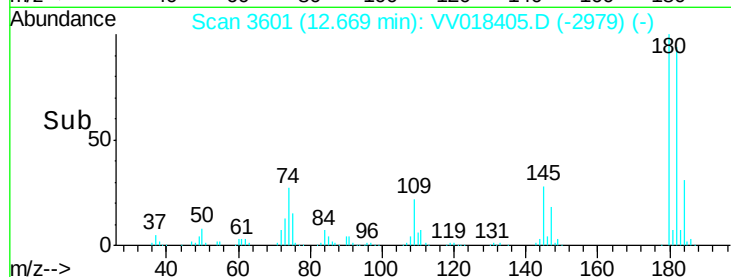
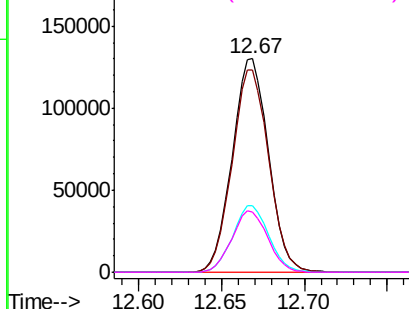


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

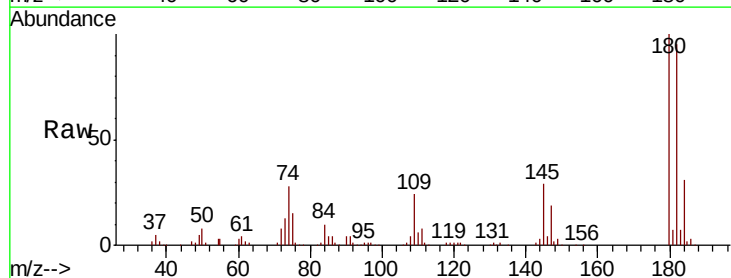
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#70
 1,2,4-trichlorobenzene
 Concen: 50.000 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. 0.00 min
 Lab File: VV018405.D
 Acq: 23 Sep 2020 11:04

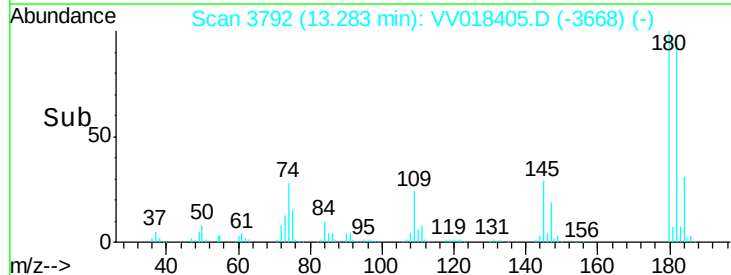
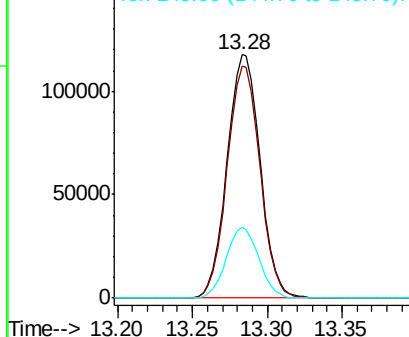
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.7	75.8	113.6
145	28.7	23.0	34.4

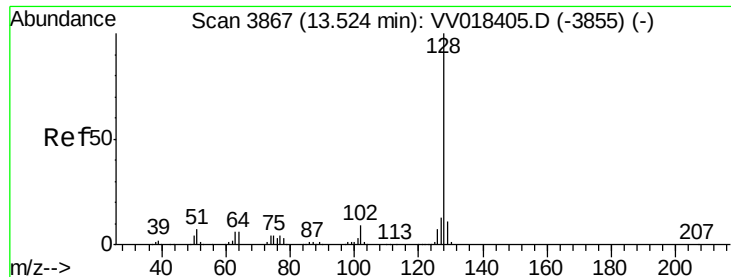


Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

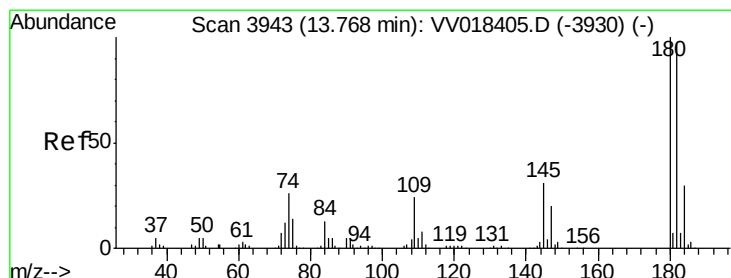
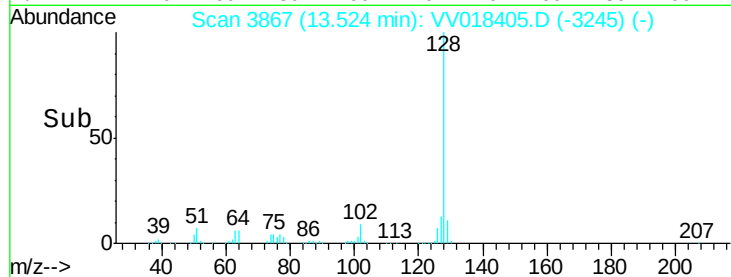
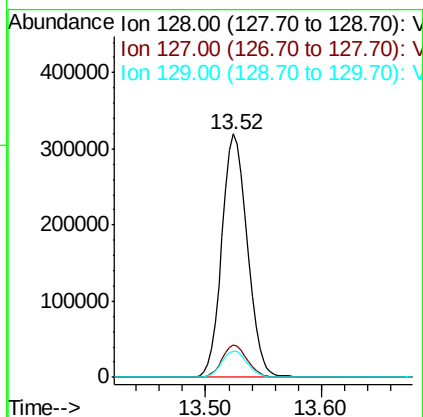
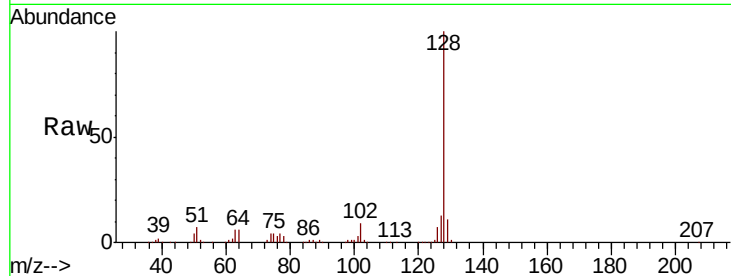




#71
Naphthalene
Concen: 50.000 ug/L
RT: 13.52 min Scan# 3867
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Instrument :
MSVOA_V
ClientSampleId :
VSTD050303

Tot Ion:128 Resp: 487149
Ion Ratio Lower Upper
128 100
127 13.0 10.4 15.6
129 10.9 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 50.000 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. 0.00 min
Lab File: VV018405.D
Acq: 23 Sep 2020 11:04

Tgt Ion:180 Resp: 180539
Ion Ratio Lower Upper
180 100
182 96.4 77.1 115.7
145 31.3 25.0 37.6

