

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018404.D
 Acq On : 23 Sep 2020 10:39
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

Quant Time: Sep 24 07:18:58 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	290177	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.87	117	288181	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.27	152	155183	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	18412	9.95	ug/L	0.00
7) Chloroethane-d5	1.58	69	16174	10.17	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	39481	10.29	ug/L	0.00
21) 2-Butanone-d5	3.94	46	25276	18.49	ug/L	0.02
24) Chloroform-d	4.38	84	38260	9.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.06	65	23743	9.59	ug/L	0.00
32) Benzene-d6	5.08	84	71064	9.37	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.10	67	23411	9.70	ug/L	0.00
41) Toluene-d8	7.34	98	64652	9.08	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.65	79	10840	8.72	ug/L	0.00
47) 2-Hexanone-d5	8.11	63	14050	14.46	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.24	84	29440	9.37	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.65	152	28210	9.54	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	24052	11.346 ug/L	99
3) Chloromethane	1.25	50	26637	11.413 ug/L	100
5) Vinyl chloride	1.32	62	27027	11.257 ug/L	98
6) Bromomethane	1.53	94	17614	11.672 ug/L	100
8) Chloroethane	1.60	64	18084	11.928 ug/L	98
9) Trichlorofluoromethane	1.77	101	38481	11.205 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	23290	11.063 ug/L	98
12) 1,1-Dichloroethene	2.14	96	22344	11.244 ug/L	91
13) Acetone	2.21	43	36932	22.405 ug/L	100
14) Carbon disulfide	2.31	76	62169	10.919 ug/L	98
15) Methyl Acetate	2.46	43	23107	10.935 ug/L	99
16) Methylene chloride	2.53	84	26011	11.900 ug/L	94
17) trans-1,2-Dichloroethene	2.78	96	22358	10.909 ug/L	97
18) Methyl tert-butyl Ether	2.79	73	68024	10.799 ug/L	99
19) 1,1-Dichloroethane	3.22	63	44295	11.356 ug/L	100
20) cis-1,2-Dichloroethene	3.95	96	23909	10.834 ug/L	98
22) 2-Butanone	4.01	43	32711	18.537 ug/L	96
23) Bromochloromethane	4.28	128	13119	11.227 ug/L	96
25) Chloroform	4.41	83	44871	11.301 ug/L	100
27) 1,2-Dichloroethane	5.16	62	34430	11.211 ug/L	97
29) Cyclohexane	4.70	56	34105	9.727 ug/L #	92
30) 1,1,1-Trichloroethane	4.64	97	39189	11.125 ug/L	98
31) Carbon tetrachloride	4.86	117	34090	11.128 ug/L	98
33) Benzene	5.13	78	95362	11.031 ug/L	100
34) Trichloroethene	5.94	95	26612	11.543 ug/L	98
35) Methylcyclohexane	6.16	83	35145	9.657 ug/L	97
37) 1,2-Dichloropropane	6.20	63	24626	10.540 ug/L	100
38) Bromodichloromethane	6.54	83	32423	10.985 ug/L	99
39) cis-1,3-Dichloropropene	7.05	75	35452	10.016 ug/L	99
40) 4-Methyl-2-pentanone	7.25	43	56902	20.404 ug/L	98

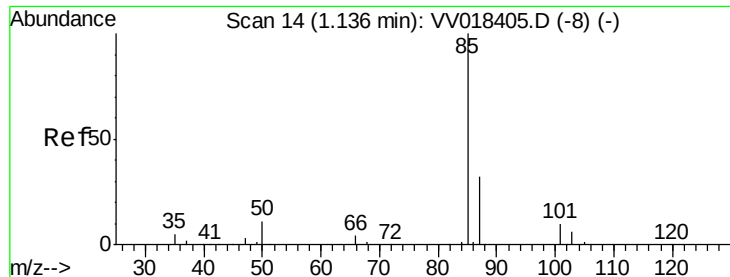
Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092320\
 Data File : VV018404.D
 Acq On : 23 Sep 2020 10:39
 Operator : SY/MD
 Sample : VSTD01066
 Misc : 5.0mL/MSVOA V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

Quant Time: Sep 24 07:18:58 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	97558	10.425	ug/L	99
44) trans-1,3-Dichloropropene	7.68	75	35059	10.024	ug/L	99
45) 1,1,2-Trichloroethane	7.86	97	23634	11.018	ug/L	98
46) Tetrachloroethene	8.00	164	20212	10.815	ug/L	98
48) 2-Hexanone	8.16	43	49264	20.434	ug/L	94
49) Dibromochloromethane	8.27	129	25529	10.626	ug/L	97
50) 1,2-Dibromoethane	8.37	107	23862	10.657	ug/L	99
51) Chlorobenzene	8.90	112	66218	11.006	ug/L	98
52) Ethylbenzene	9.03	91	103273	10.051	ug/L	100
53) m,p-Xylene	9.16	106	37916	9.750	ug/L	99
54) o-Xylene	9.57	106	36741	9.848	ug/L	96
55) Styrene	9.58	104	63646	9.538	ug/L	98
57) 1,1,2,2-Tetrachloroethane	10.26	83	33292	10.486	ug/L	99
59) Bromoform	9.75	173	18309	10.744	ug/L	98
60) Isopropylbenzene	9.95	105	99992	10.086	ug/L	99
61) 1,2,3-Trichloropropane	10.30	75	30614	11.740	ug/L	99
62) 1,3,5-Trimethylbenzene	10.56	105	76572	9.223	ug/L	99
63) 1,2,4-Trimethylbenzene	10.94	105	79344	9.285	ug/L	100
64) 1,3-Dichlorobenzene	11.20	146	52791	10.816	ug/L	98
65) 1,4-Dichlorobenzene	11.29	146	55530	11.067	ug/L	98
67) 1,2-Dichlorobenzene	11.67	146	53367	10.984	ug/L	98
68) 1,2-Dibromo-3-chloropropan	12.45	75	7150	10.570	ug/L	93
69) 1,3,5-Trichlorobenzene	12.67	180	39742	10.318	ug/L	100
70) 1,2,4-trichlorobenzene	13.28	180	33237	9.410	ug/L	98
71) Naphthalene	13.53	128	79641	8.380	ug/L	99
72) 1,2,3-Trichlorobenzene	13.77	180	34920	9.914	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 11.346 ug/L

RT: 1.14 min Scan# 14

Delta R.T. -0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

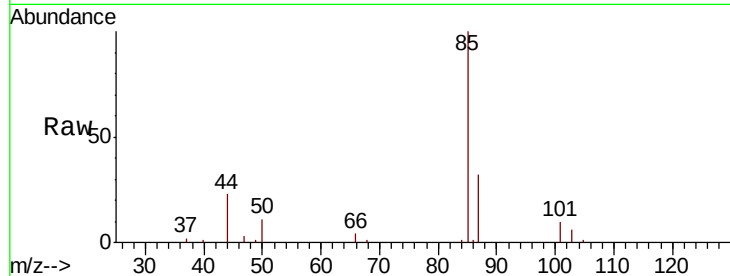
VSTD010302

Tot Ion: 85 Resp: 24052

Ion Ratio Lower Upper

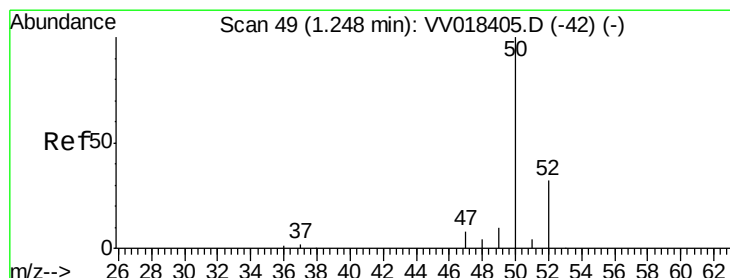
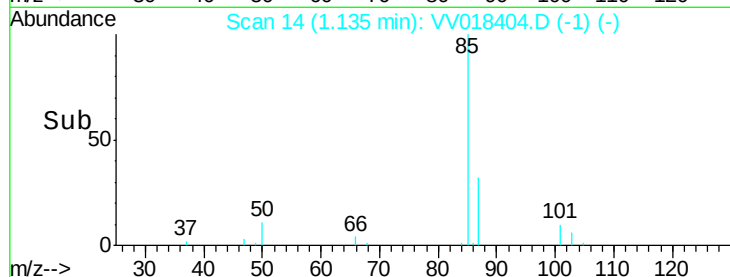
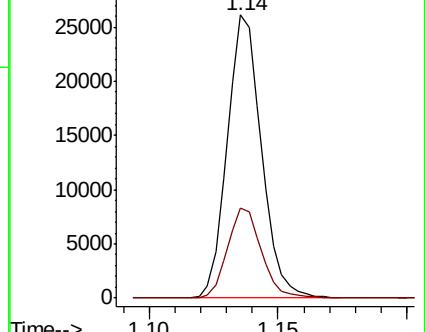
85 100

87 31.5 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV018405.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV018405.D (-8) (-)



#3

Chloromethane

Concen: 11.413 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV018404.D

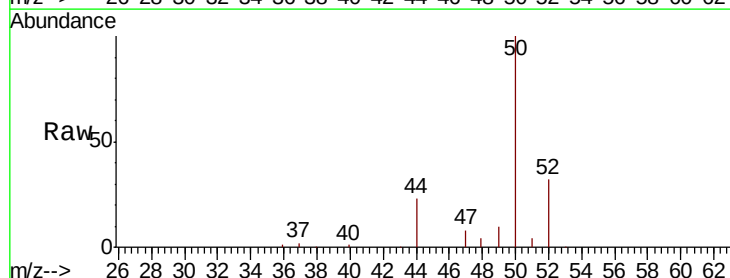
Acq: 23 Sep 2020 10:39

Tgt Ion: 50 Resp: 26637

Ion Ratio Lower Upper

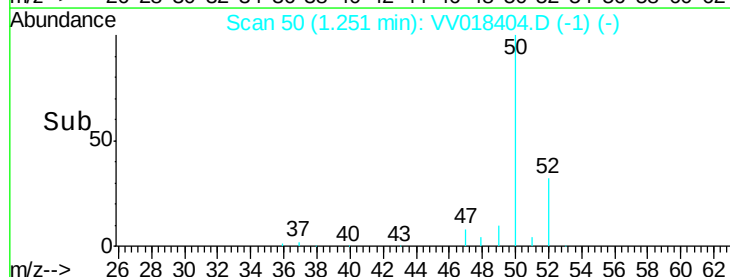
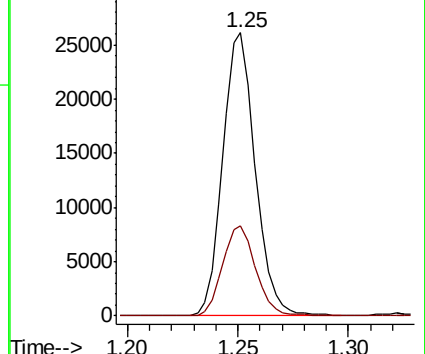
50 100

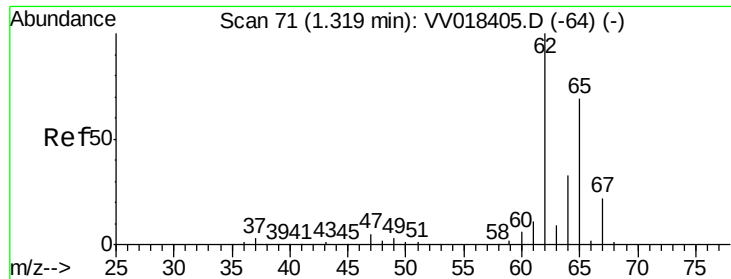
52 31.9 22.5 41.9



Abundance Ion 50.00 (49.70 to 50.70): VV018405.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV018405.D (-42) (-)





#5

Vinyl chloride

Concen: 11.257 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

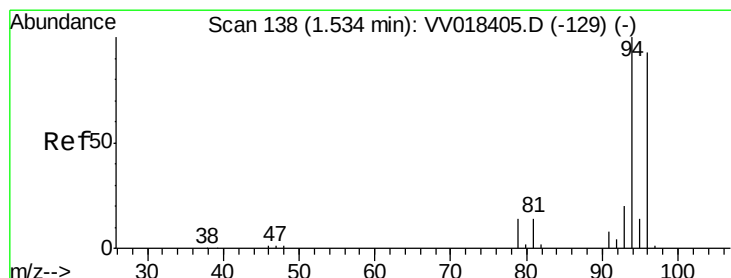
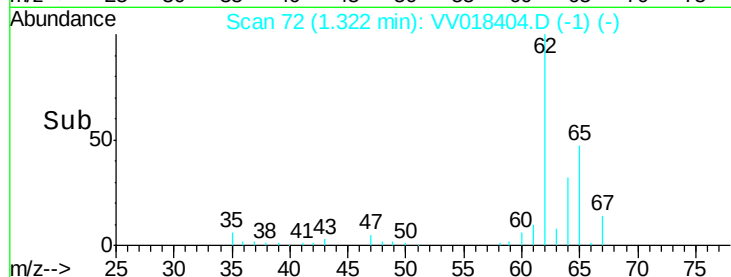
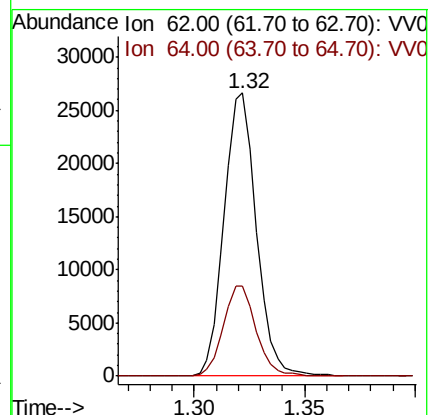
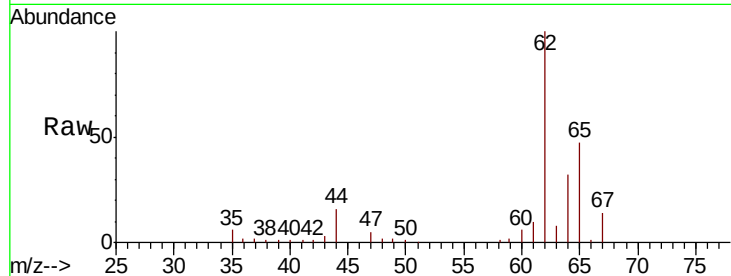
VSTD010302

Tot Ion: 62 Resp: 27027

Ion Ratio Lower Upper

62 100

64 31.6 22.9 42.5



#6

Bromomethane

Concen: 11.672 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV018404.D

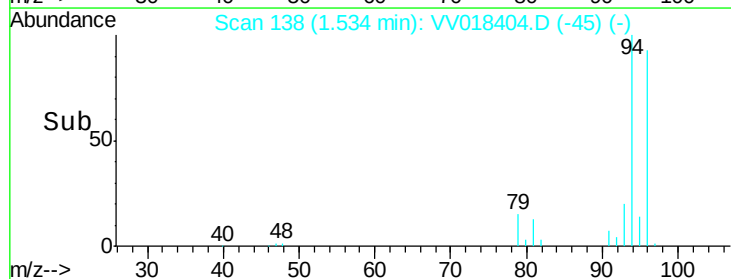
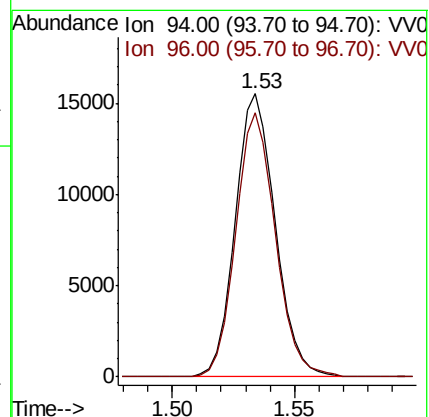
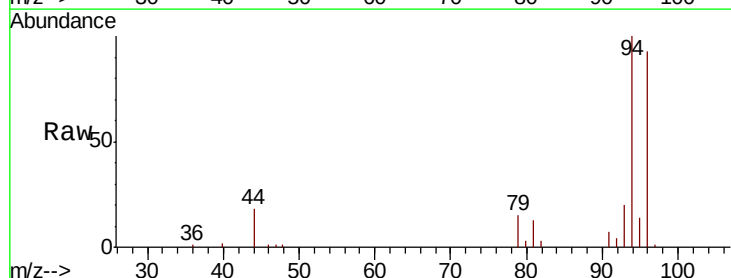
Acq: 23 Sep 2020 10:39

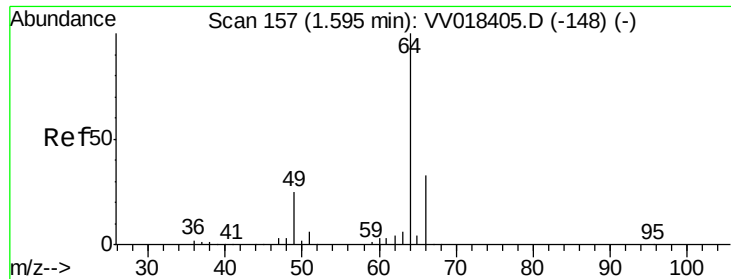
Tgt Ion: 94 Resp: 17614

Ion Ratio Lower Upper

94 100

96 93.2 65.4 121.4





#8

Chloroethane

Concen: 11.928 ug/L

RT: 1.60 min Scan# 158

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

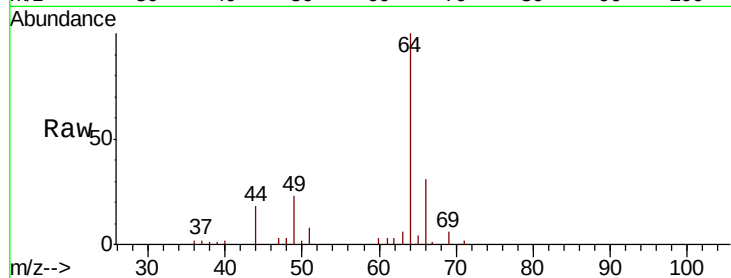
VSTD010302

Tot Ion: 64 Resp: 18084

Ion Ratio Lower Upper

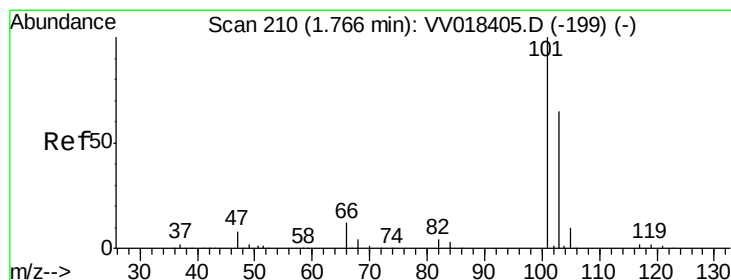
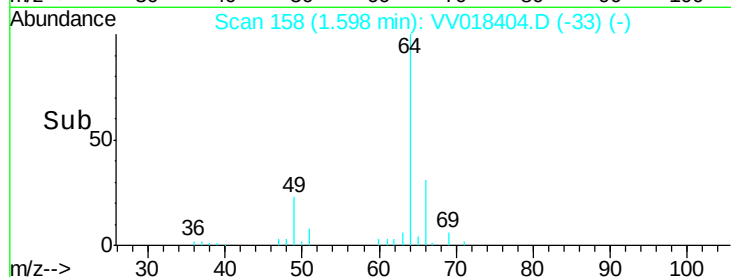
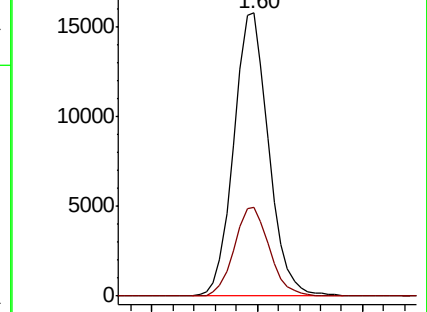
64 100

66 31.5 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: 11.205 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV018404.D

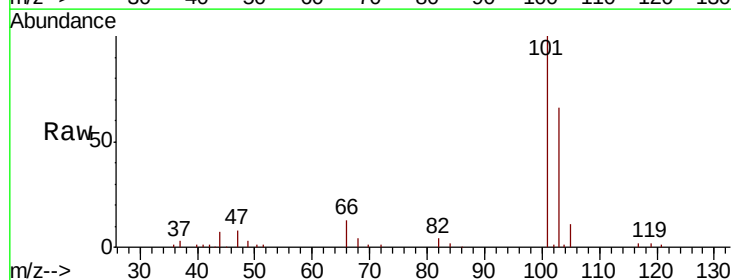
Acq: 23 Sep 2020 10:39

Tgt Ion: 101 Resp: 38481

Ion Ratio Lower Upper

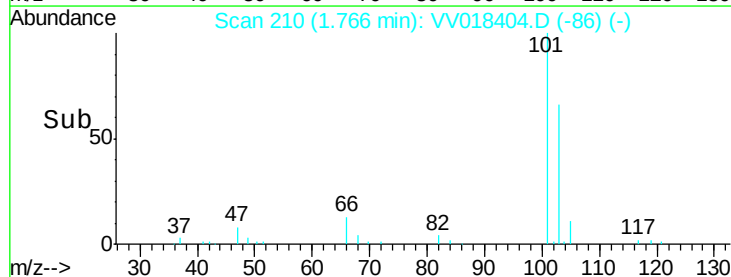
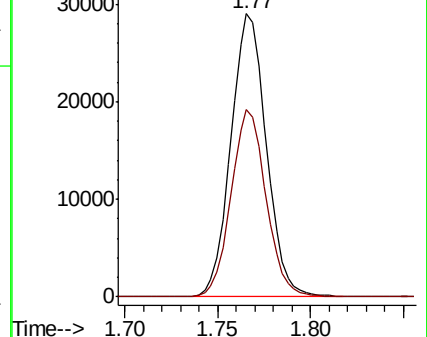
101 100

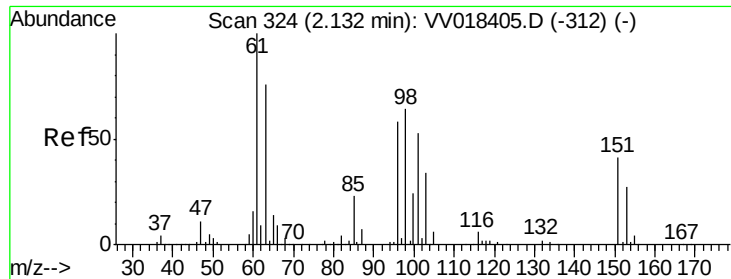
103 65.2 52.1 78.1



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: 11.063 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010302

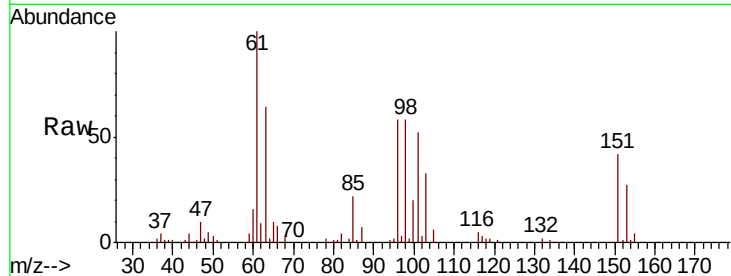
Tot Ion:101 Resp: 23290

Ion Ratio Lower Upper

101 100

85 42.2 34.6 51.8

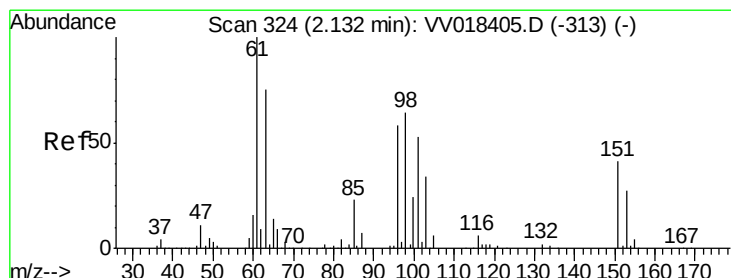
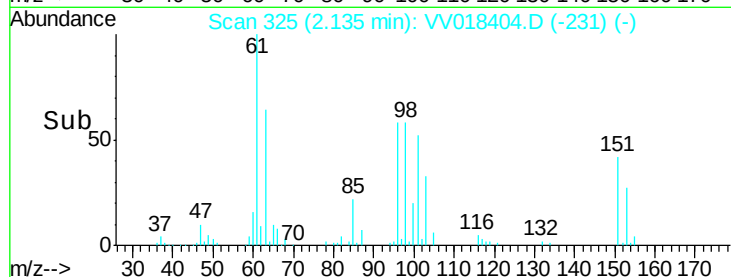
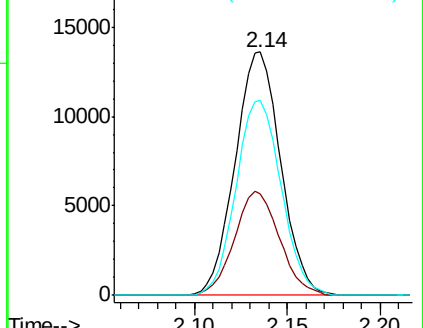
151 79.6 62.4 93.6



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) (-)



#12

1,1-Dichloroethene

Concen: 11.244 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

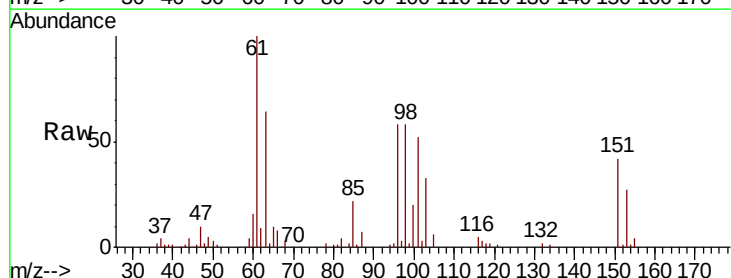
Tgt Ion: 96 Resp: 22344

Ion Ratio Lower Upper

96 100

61 171.3 121.0 224.8

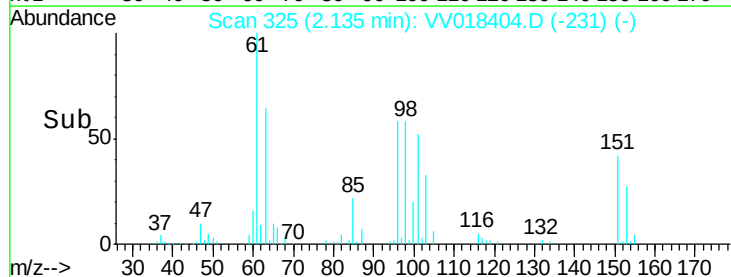
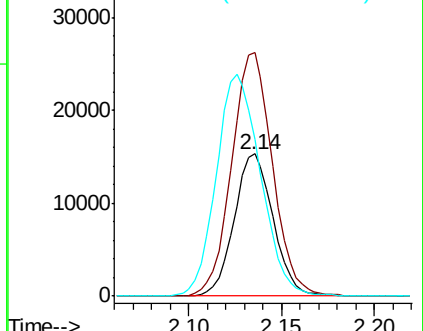
63 110.0 93.0 172.6

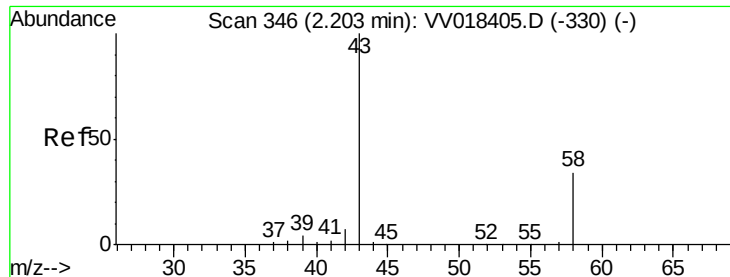


Abundance Ion 96.00 (95.70 to 96.70): VV018405.D (-313) (-)

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

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





#13

Acetone

Concen: 22.405 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

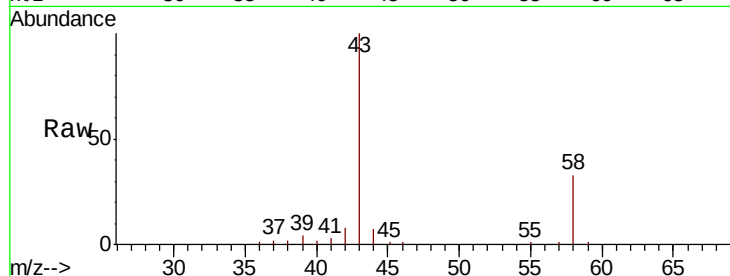
VSTD010302

Tot Ion: 43 Resp: 36932

Ion Ratio Lower Upper

43 100

58 32.9 0.0 65.8



Abundance Ion 43.00 (42.70 to 43.70): VV018404.D (-253) (-)

Ion 58.00 (57.70 to 58.70): VV018404.D (-253) (-)

2.21

15000

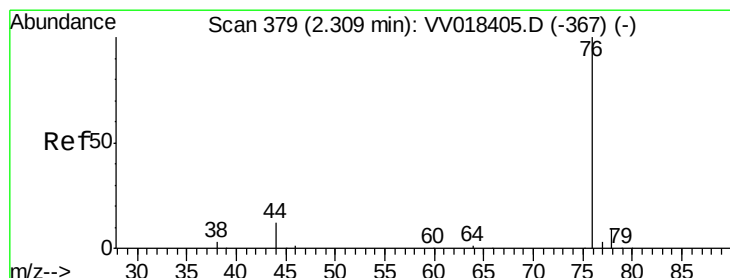
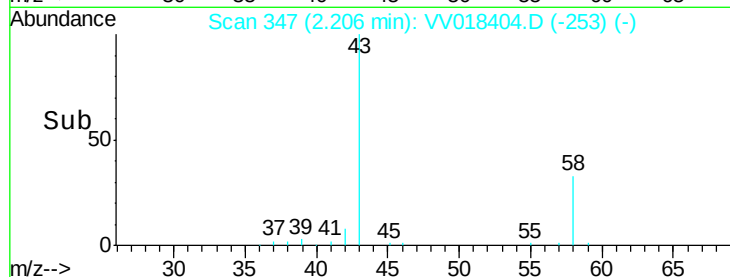
10000

5000

0

Time-->

2.10 2.20 2.30



#14

Carbon disulfide

Concen: 10.919 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV018404.D

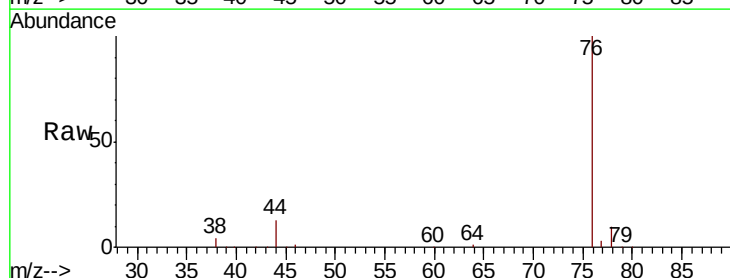
Acq: 23 Sep 2020 10:39

Tgt Ion: 76 Resp: 62169

Ion Ratio Lower Upper

76 100

78 9.7 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV018404.D (-286) (-)

Ion 78.00 (77.70 to 78.70): VV018404.D (-286) (-)

2.31

40000

30000

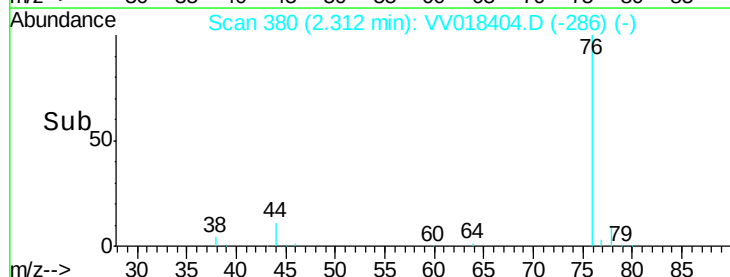
20000

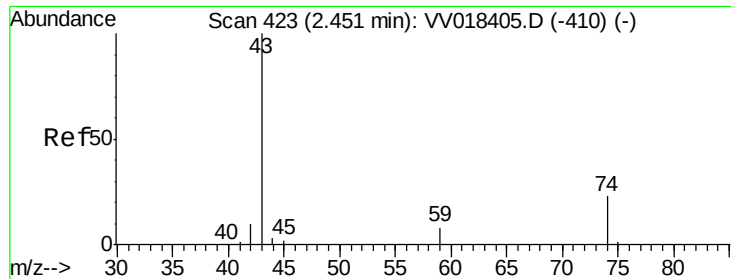
10000

0

Time-->

2.25 2.30 2.35 2.40

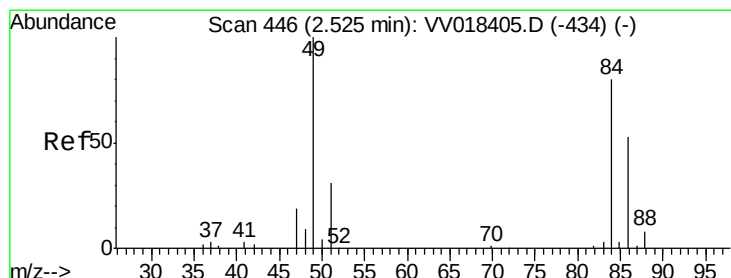
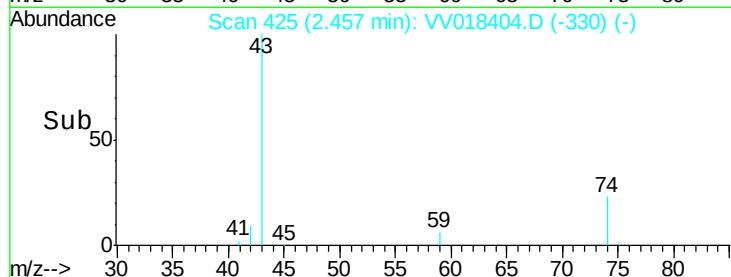
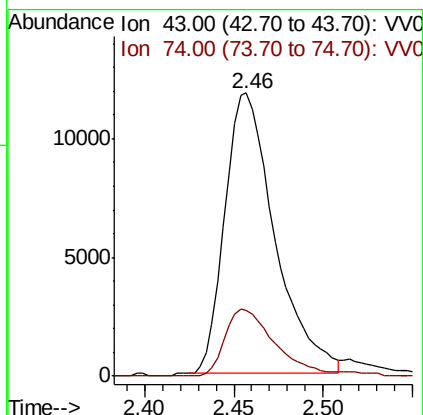
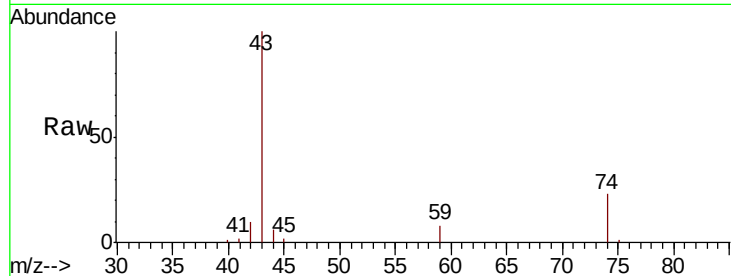




#15
Methyl Acetate
Concen: 10.935 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

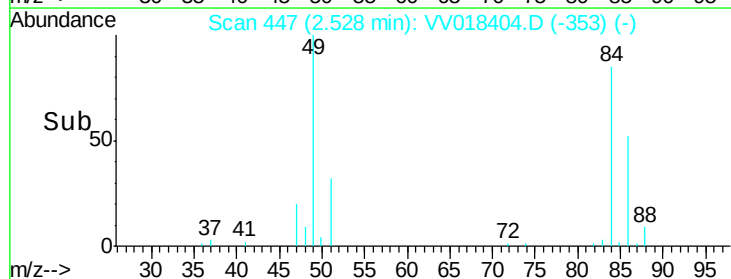
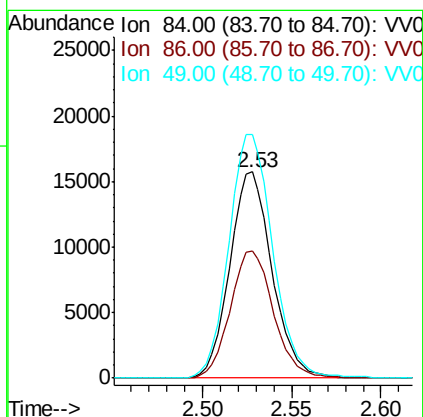
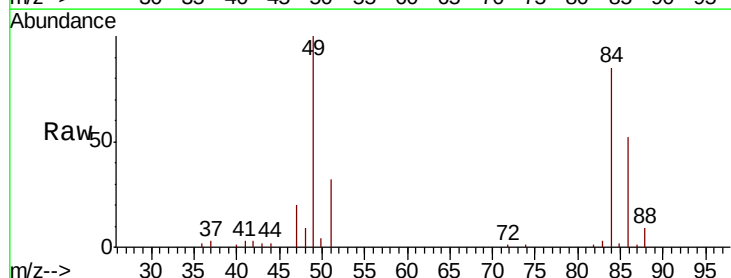
Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

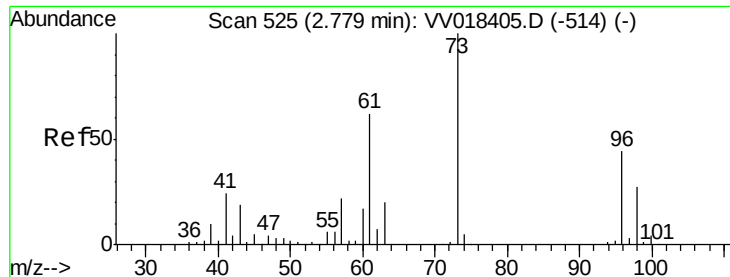
Tot Ion: 43 Resp: 23107
Ion Ratio Lower Upper
43 100
74 23.6 18.4 27.6



#16
Methylene chloride
Concen: 11.900 ug/L
RT: 2.53 min Scan# 447
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion: 84 Resp: 26011
Ion Ratio Lower Upper
84 100
86 61.8 46.0 85.4
49 118.1 87.5 162.5





#17

trans-1,2-Dichloroethene

Concen: 10.909 ug/L

RT: 2.78 min Scan# 526

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

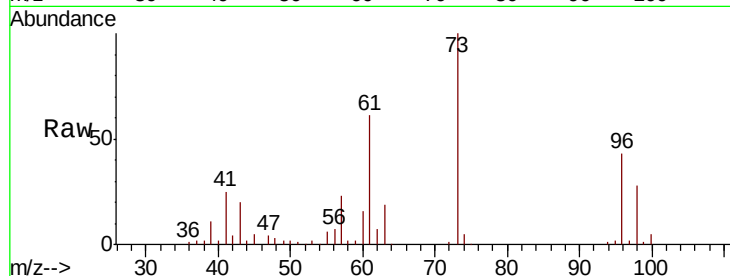
MSVOA_V

ClientSampleId :

VSTD010302

Tot Ion: 96 Resp: 22358

Ion	Ratio	Lower	Upper
96	100		
61	143.6	98.3	182.5
98	65.5	43.5	80.7

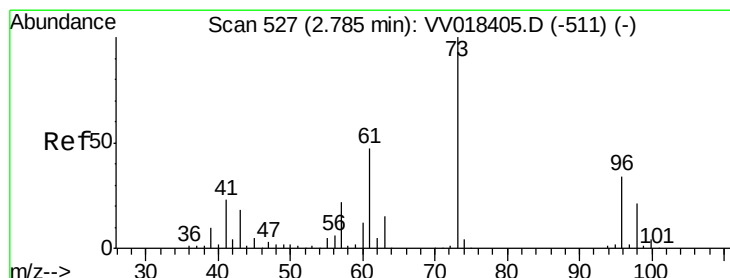
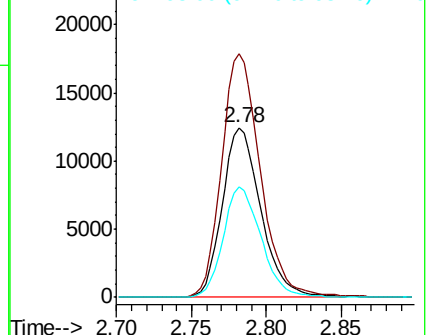
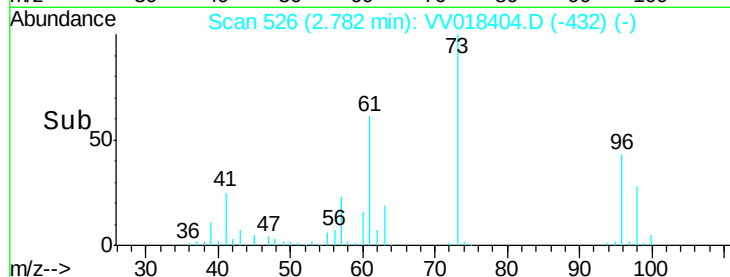


Abundance

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: 10.799 ug/L

RT: 2.79 min Scan# 528

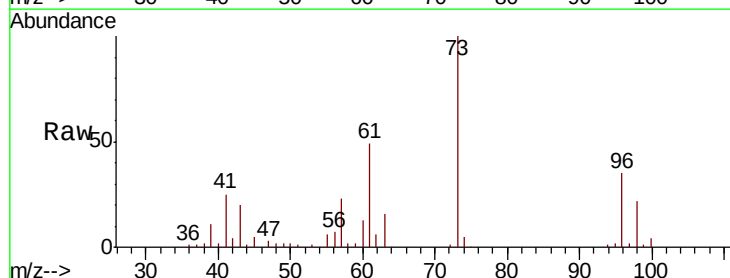
Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Tgt Ion: 73 Resp: 68024

Ion	Ratio	Lower	Upper
73	100		
43	19.5	15.4	23.2
57	22.6	17.8	26.6

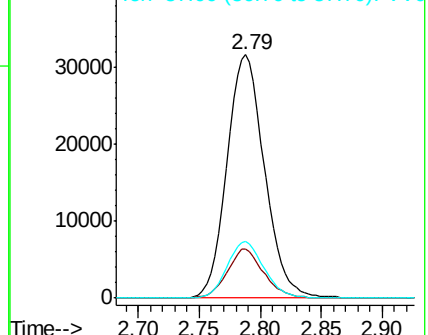
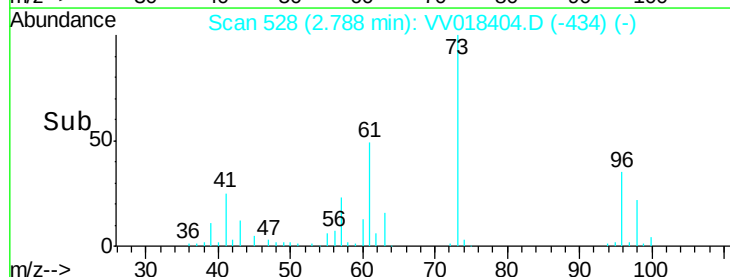


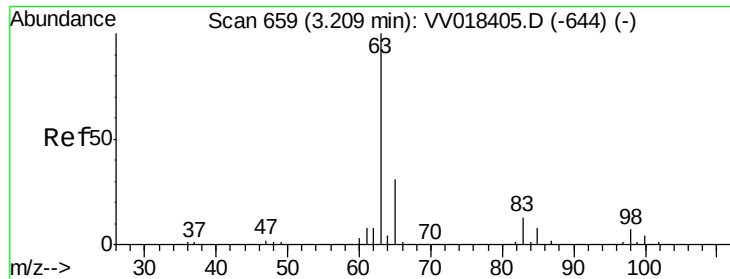
Abundance

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

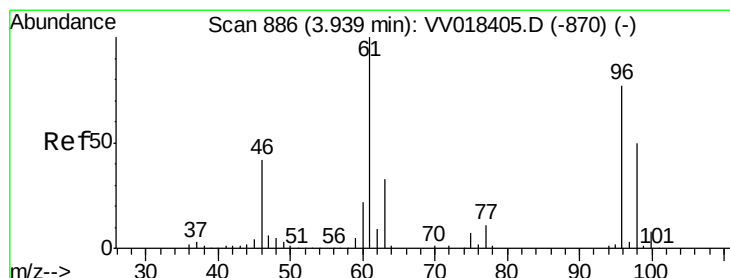
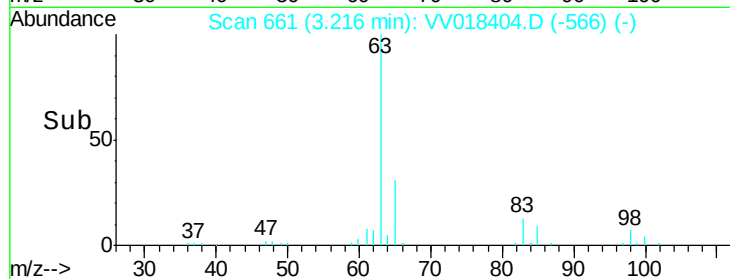
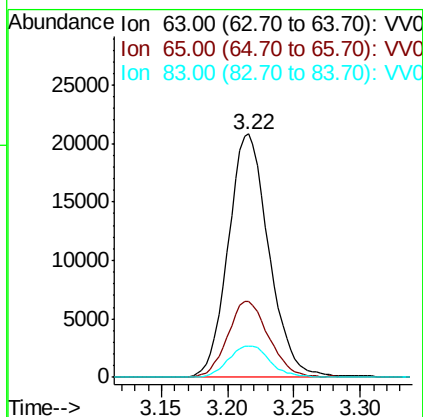
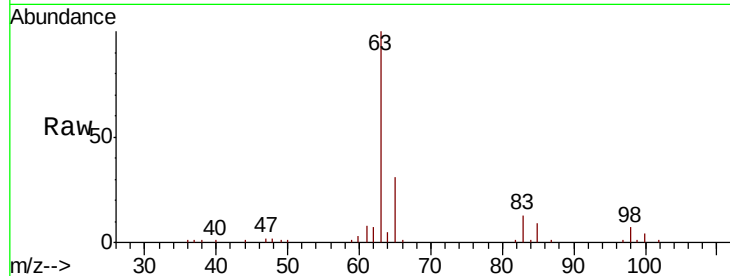




#19
 1,1-Dichloroethane
 Concen: 11.356 ug/L
 RT: 3.22 min Scan# 661
 Delta R.T. 0.01 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

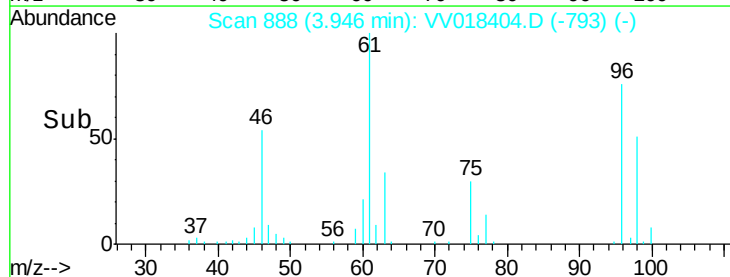
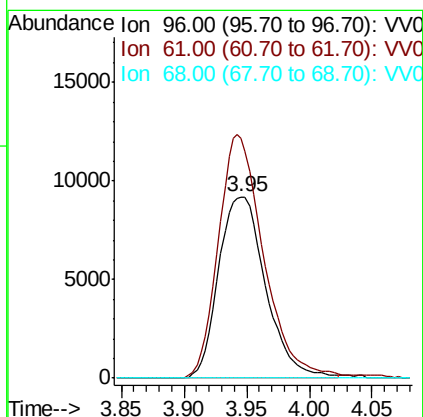
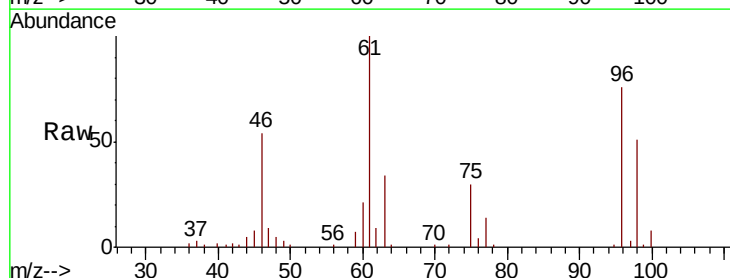
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD010302

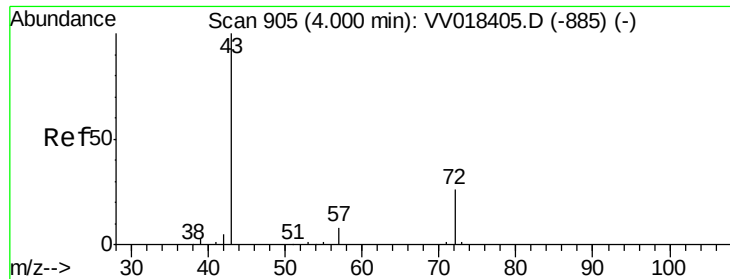
Tot Ion: 63 Resp: 44295
 Ion Ratio Lower Upper
 63 100
 65 31.3 21.8 40.6
 83 13.0 9.2 17.2



#20
 cis-1,2-Dichloroethene
 Concen: 10.834 ug/L
 RT: 3.95 min Scan# 888
 Delta R.T. 0.01 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion: 96 Resp: 23909
 Ion Ratio Lower Upper
 96 100
 61 132.0 90.4 167.8
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 18.537 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.01 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

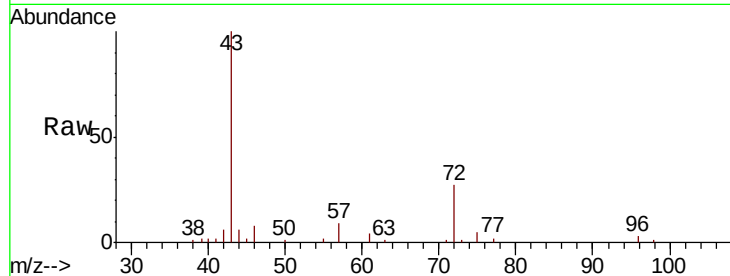
VSTD010302

Tot Ion: 43 Resp: 32711

Ion Ratio Lower Upper

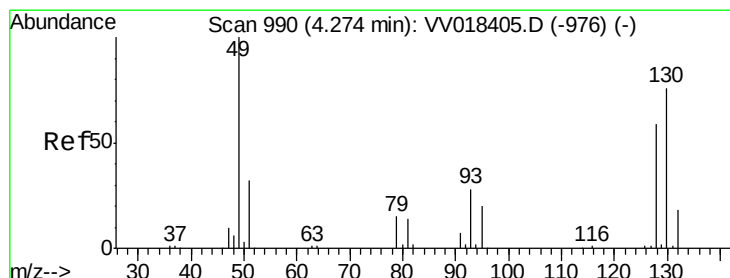
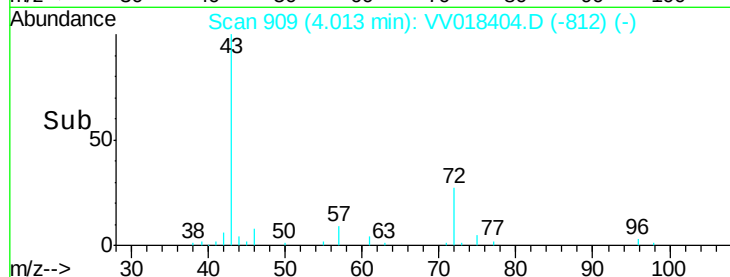
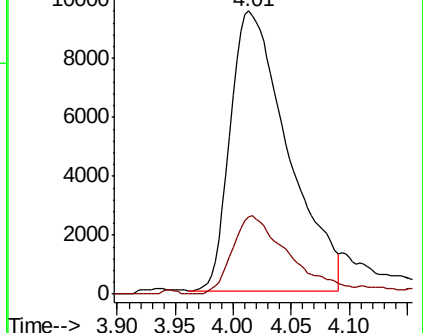
43 100

72 27.7 12.8 38.3



Abundance Ion 43.00 (42.70 to 43.70): VV018404.D (-812) (-)

Ion 72.00 (71.70 to 72.70): VV018404.D (-812) (-)



#23

Bromochloromethane

Concen: 11.227 ug/L

RT: 4.28 min Scan# 993

Delta R.T. 0.01 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Tgt Ion: 128 Resp: 13119

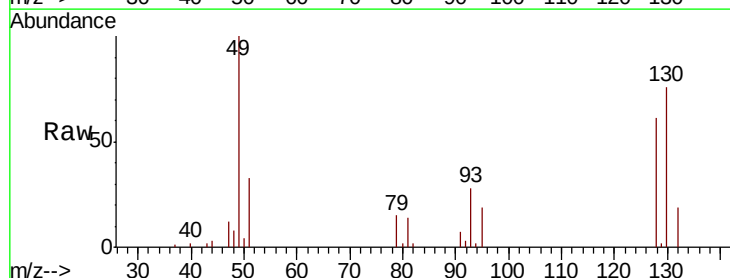
Ion Ratio Lower Upper

128 100

49 164.4 120.3 223.3

130 124.4 91.3 169.5

51 53.8 43.1 64.7

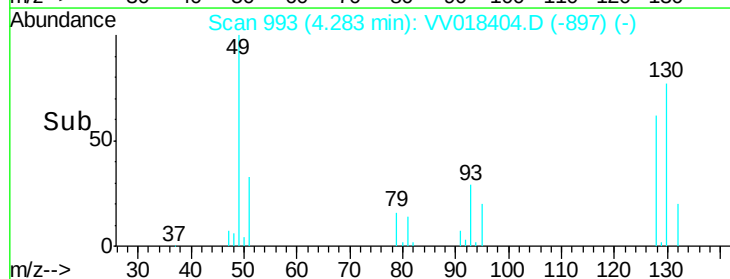
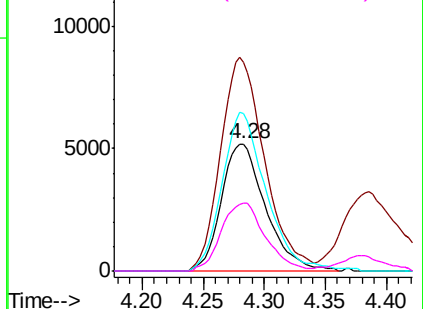


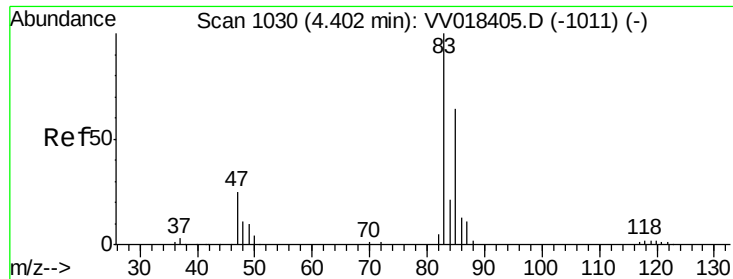
Abundance Ion 128.00 (127.70 to 128.70): VV018404.D (-897) (-)

Ion 49.00 (48.70 to 49.70): VV018404.D (-897) (-)

Ion 130.00 (129.70 to 130.70): VV018404.D (-897) (-)

Ion 51.00 (50.70 to 51.70): VV018404.D (-897) (-)

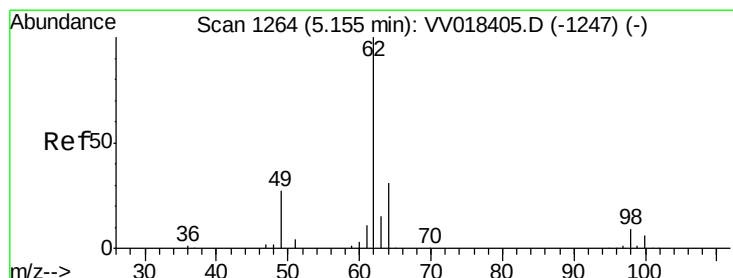
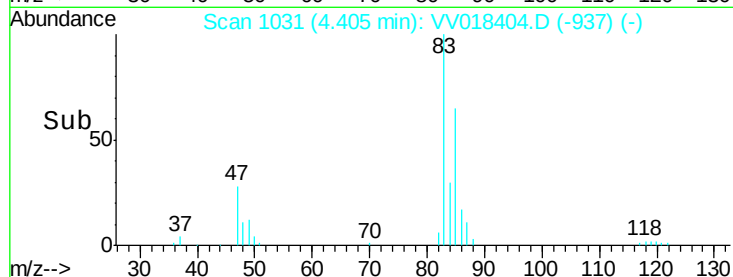
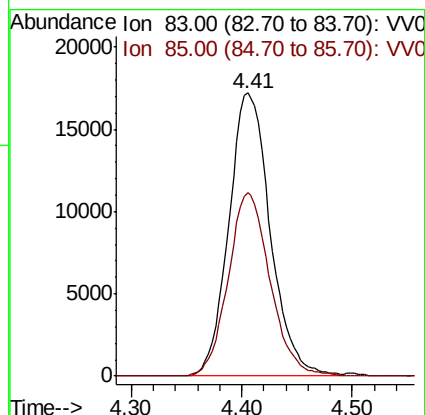
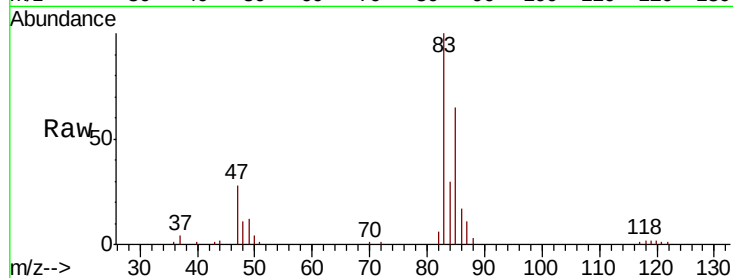




#25
Chloroform
Concen: 11.301 ug/L
RT: 4.41 min Scan# 1031
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

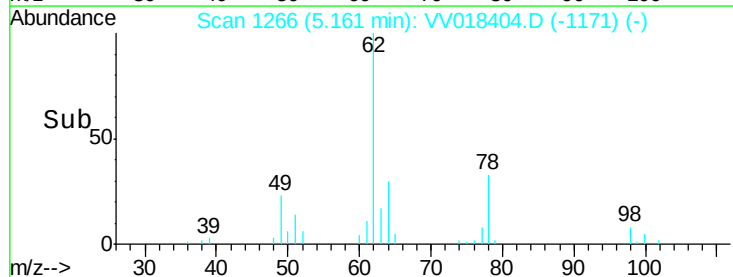
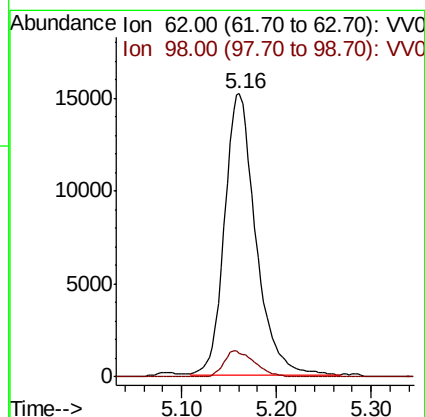
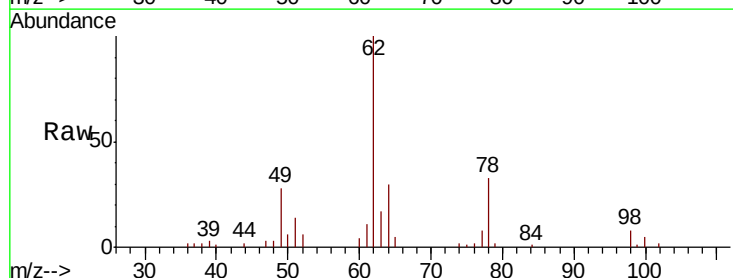
Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

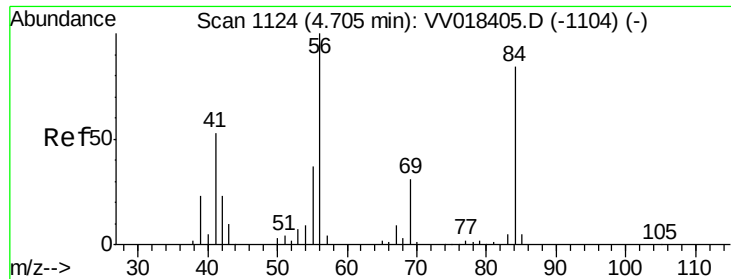
Tot Ion: 83 Resp: 44871
Ion Ratio Lower Upper
83 100
85 64.9 45.2 84.0



#27
1,2-Dichloroethane
Concen: 11.211 ug/L
RT: 5.16 min Scan# 1266
Delta R.T. 0.01 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion: 62 Resp: 34430
Ion Ratio Lower Upper
62 100
98 8.4 7.4 11.2

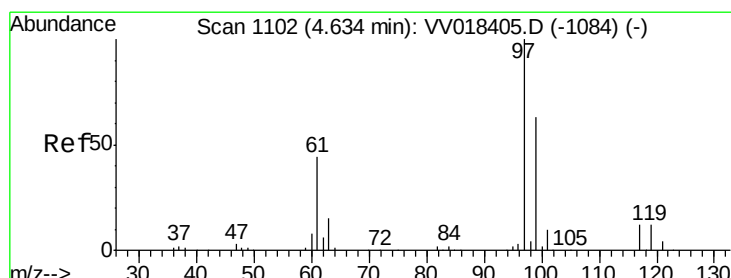
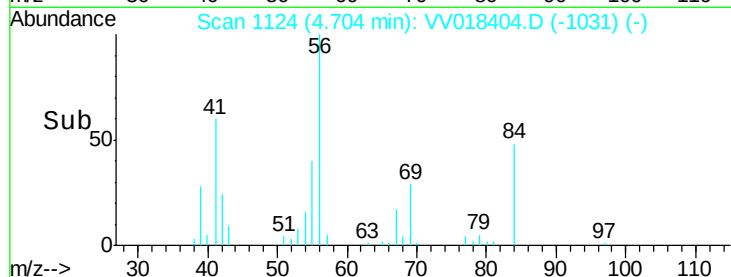
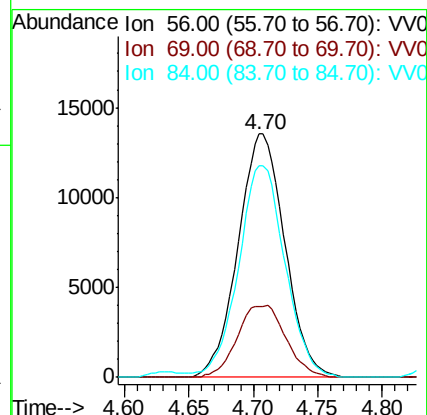
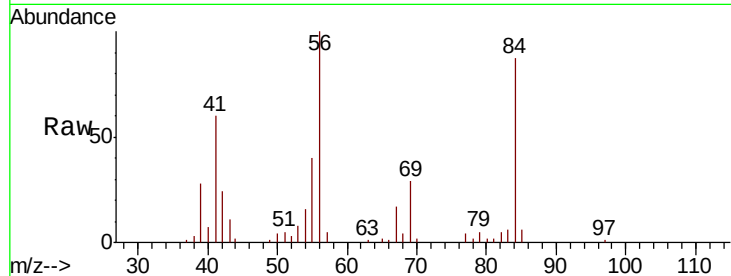




#29
Cyclohexane
Concen: 9.727 ug/L
RT: 4.70 min Scan# 1124
Delta R.T. -0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

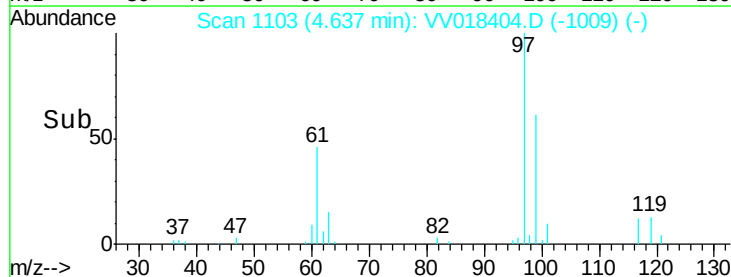
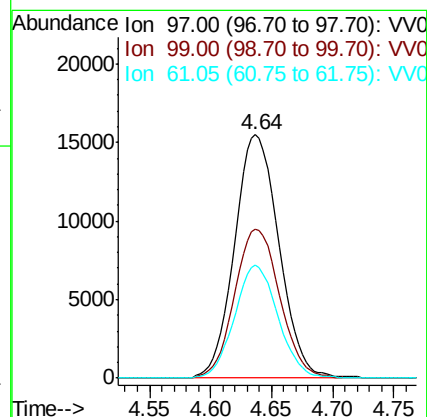
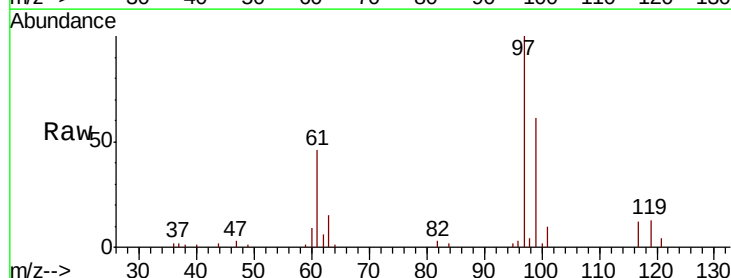
Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

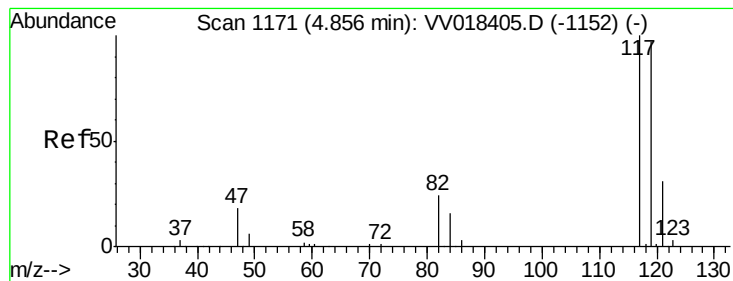
Tot Ion: 56 Resp: 34105
Ion Ratio Lower Upper
56 100
69 15.0 24.4 36.6#
84 86.7 68.6 102.8



#30
1,1,1-Trichloroethane
Concen: 11.125 ug/L
RT: 4.64 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion: 97 Resp: 39189
Ion Ratio Lower Upper
97 100
99 62.2 50.7 76.1
61 45.3 35.0 52.6





#31

Carbon tetrachloride

Concen: 11.128 ug/L

RT: 4.86 min Scan# 1172

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

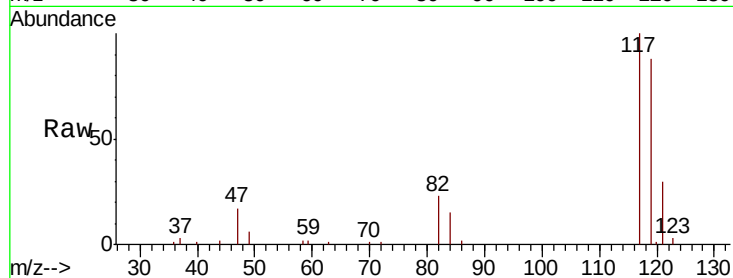
VSTD010302

Tot Ion:117 Resp: 34090

Ion Ratio Lower Upper

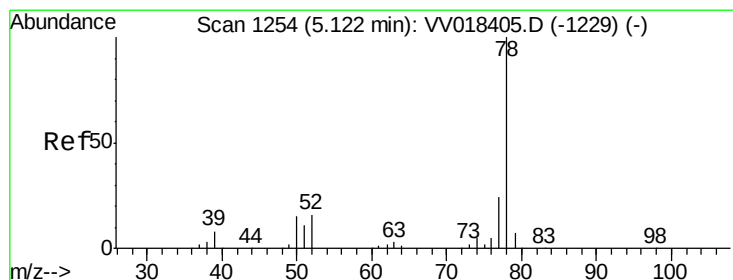
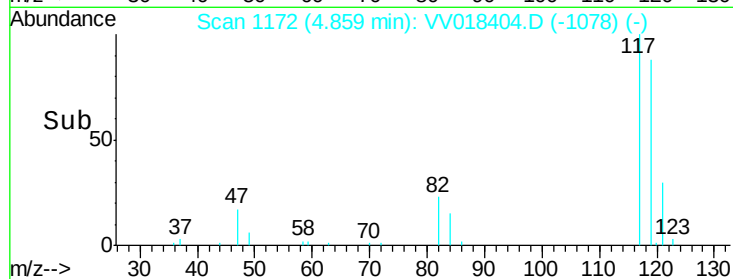
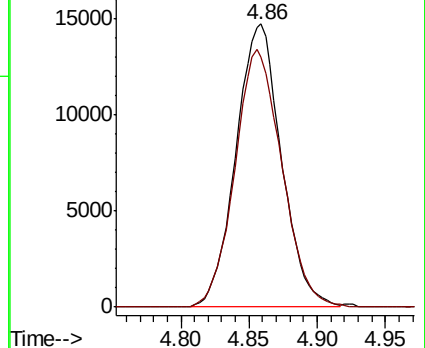
117 100

119 93.9 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: 11.031 ug/L

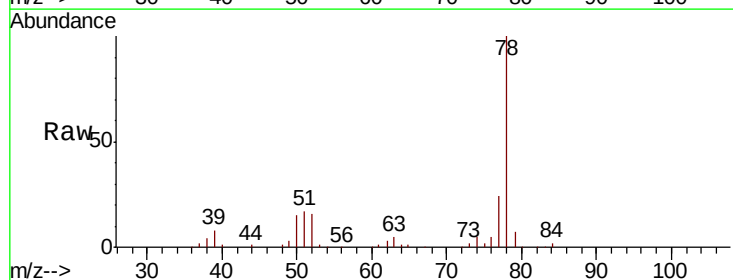
RT: 5.13 min Scan# 1256

Delta R.T. 0.01 min

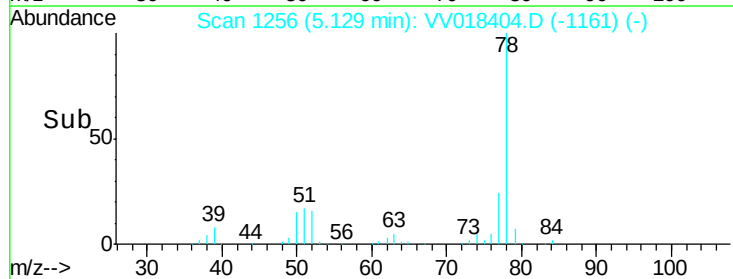
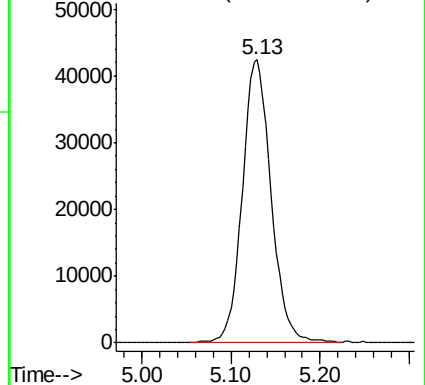
Lab File: VV018404.D

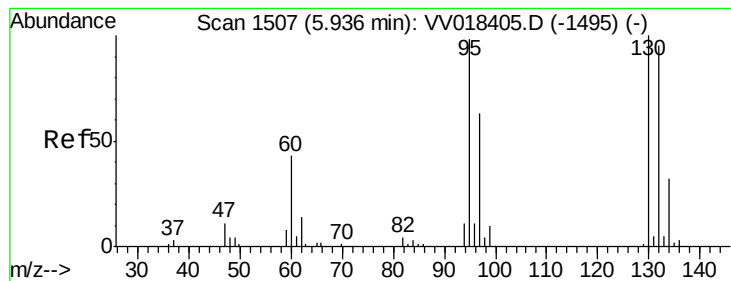
Acq: 23 Sep 2020 10:39

Tgt Ion: 78 Resp: 95362



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 11.543 ug/L

RT: 5.94 min Scan# 1508

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010302

Tot Ion: 95 Resp: 26612

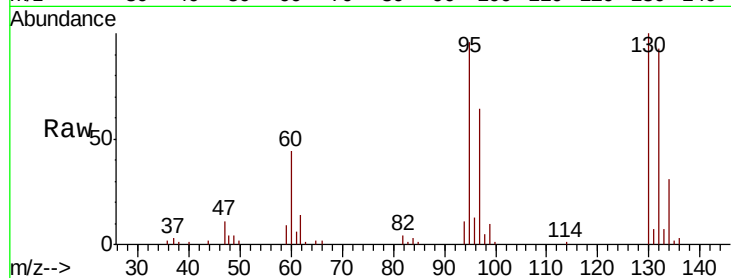
Ion Ratio Lower Upper

95 100

97 66.2 44.7 83.1

132 96.3 67.8 126.0

130 103.6 71.5 132.7



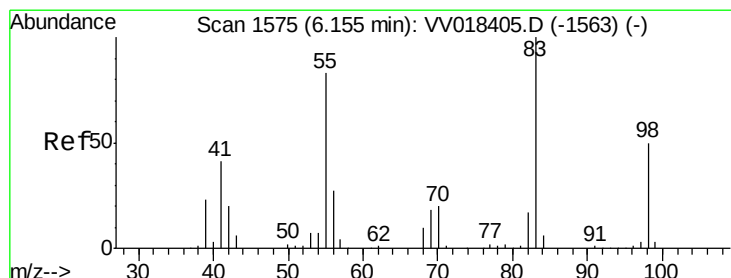
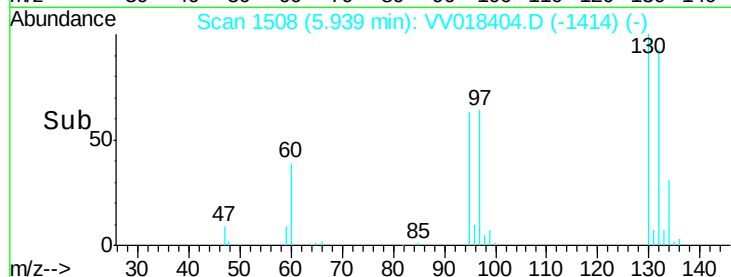
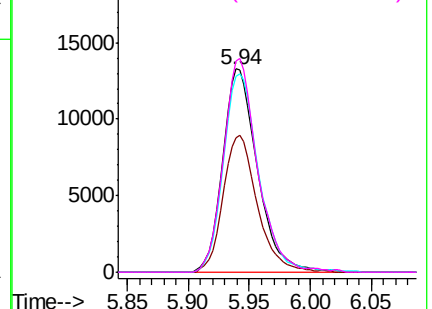
Abundance

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: 9.657 ug/L

RT: 6.16 min Scan# 1576

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

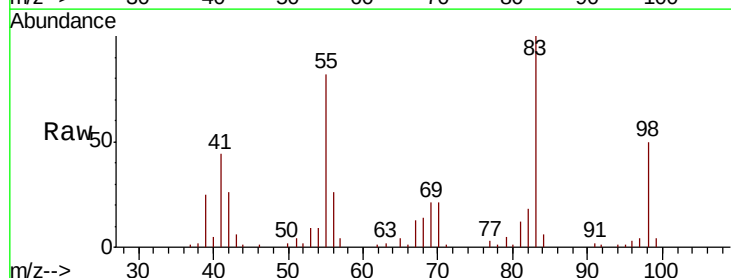
Tgt Ion: 83 Resp: 35145

Ion Ratio Lower Upper

83 100

55 82.8 63.6 95.4

98 49.4 38.6 58.0

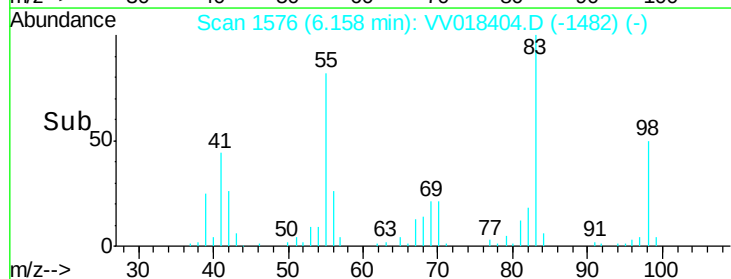
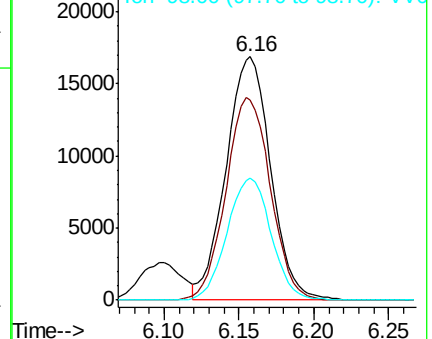


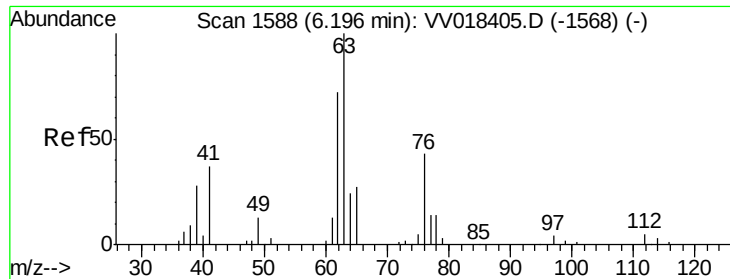
Abundance

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

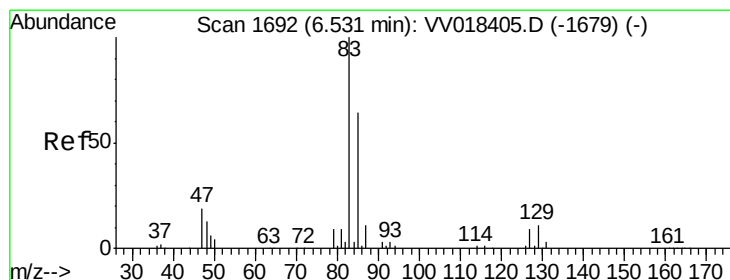
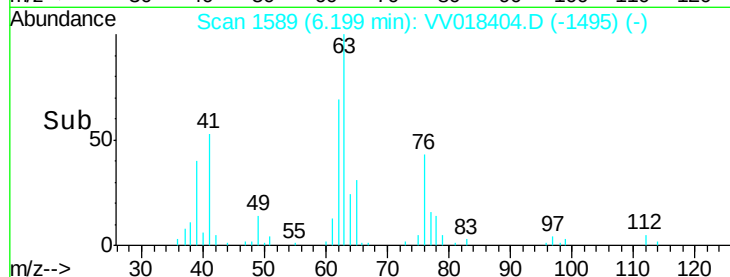
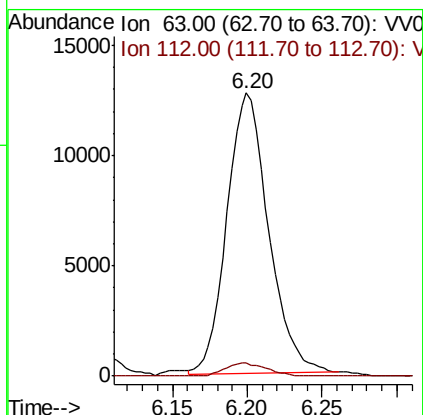
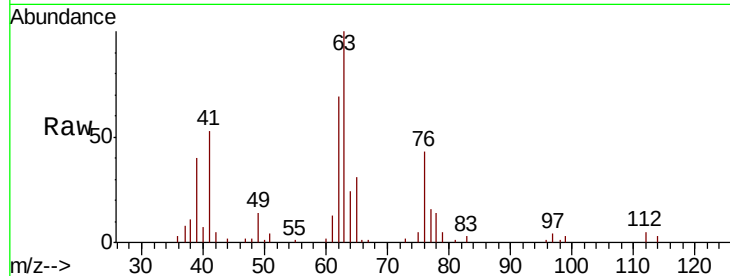




#37
 1,2-Dichloropropane
 Concen: 10.540 ug/L
 RT: 6.20 min Scan# 1589
 Delta R.T. 0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

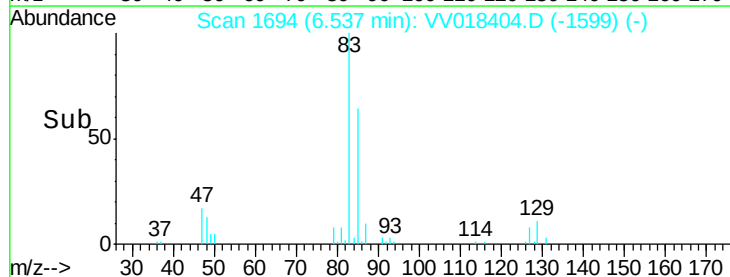
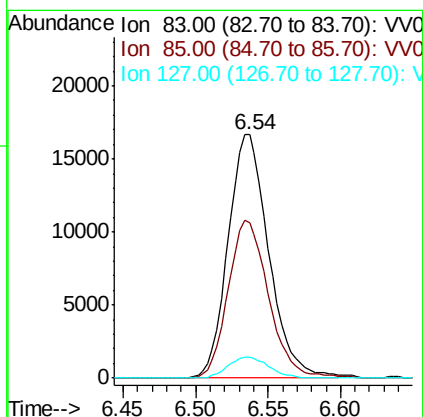
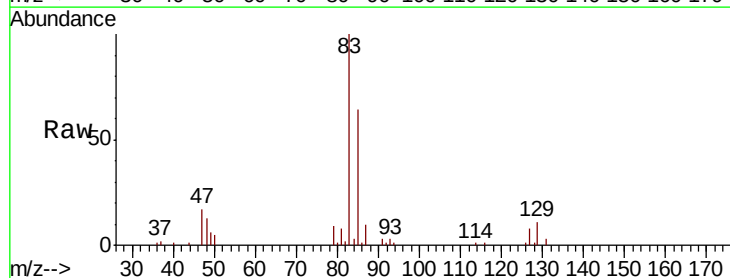
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

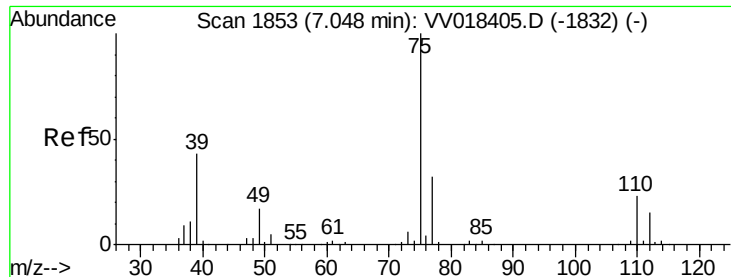
Tot Ion: 63 Resp: 24626
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 10.985 ug/L
 RT: 6.54 min Scan# 1694
 Delta R.T. 0.01 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion: 83 Resp: 32423
 Ion Ratio Lower Upper
 83 100
 85 63.8 45.1 83.9
 127 8.3 6.8 10.2



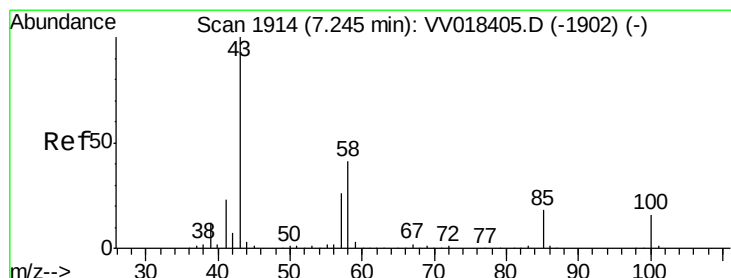
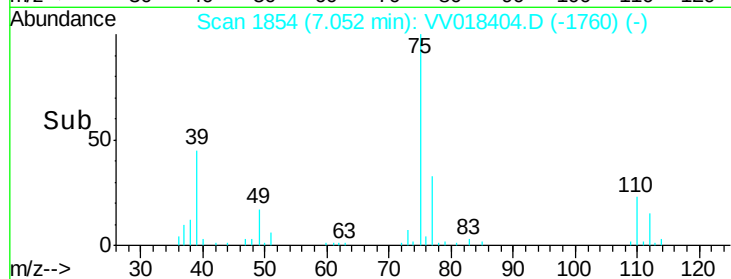
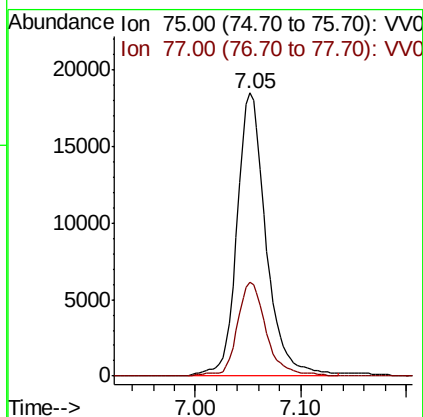
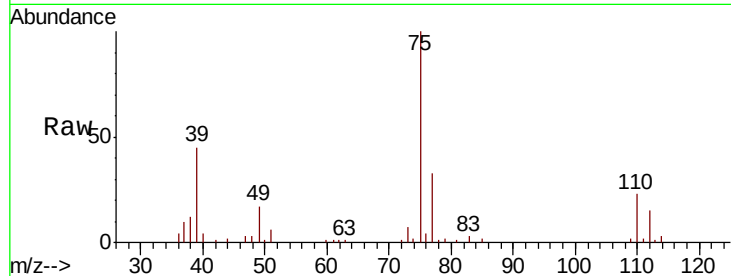


#39

cis-1,3-Dichloropropene
Concen: 10.016 ug/L
RT: 7.05 min Scan# 1854
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

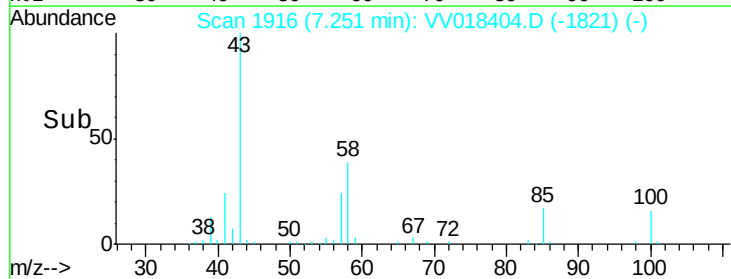
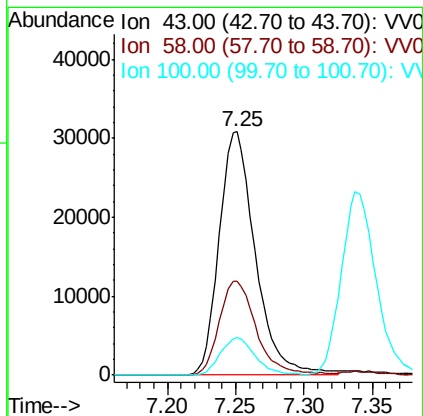
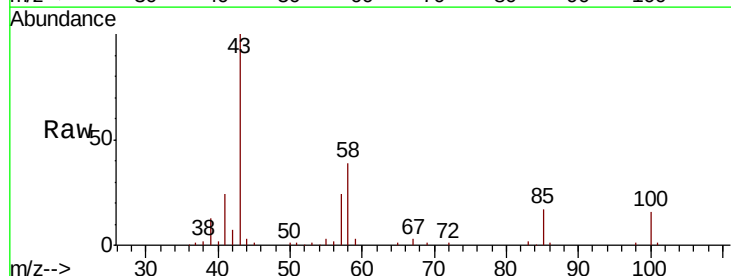
Tot Ion: 75 Resp: 35452
Ion Ratio Lower Upper
75 100
77 33.1 22.7 42.1

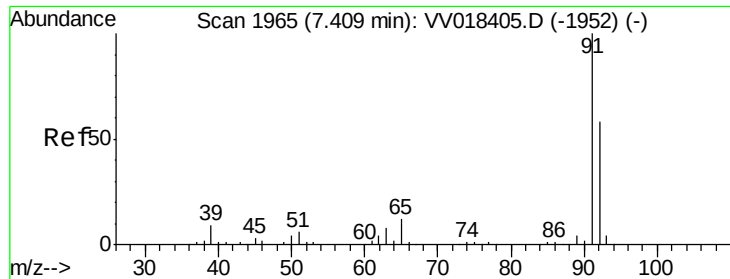


#40

4-Methyl-2-pentanone
Concen: 20.404 ug/L
RT: 7.25 min Scan# 1916
Delta R.T. 0.01 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion: 43 Resp: 56902
Ion Ratio Lower Upper
43 100
58 39.3 32.4 48.6
100 14.9 13.0 19.4





#42

Toluene

Concen: 10.425 ug/L

RT: 7.41 min Scan# 1966

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

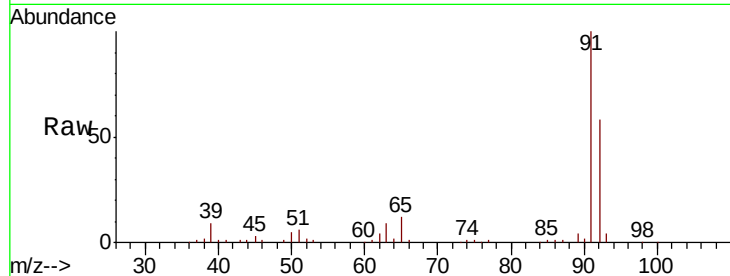
VSTD010302

Tot Ion: 91 Resp: 97558

Ion Ratio Lower Upper

91 100

92 57.5 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

60000

50000

40000

30000

20000

10000

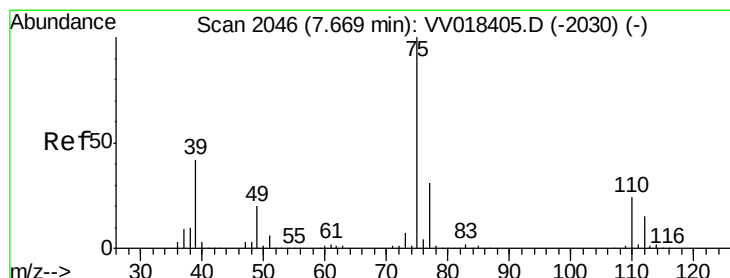
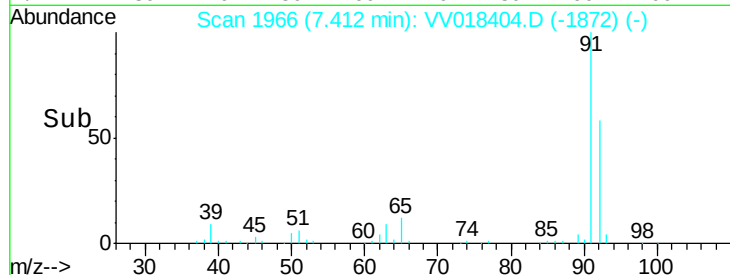
0

7.30

7.40

7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 10.024 ug/L

RT: 7.68 min Scan# 2048

Delta R.T. 0.01 min

Lab File: VV018404.D

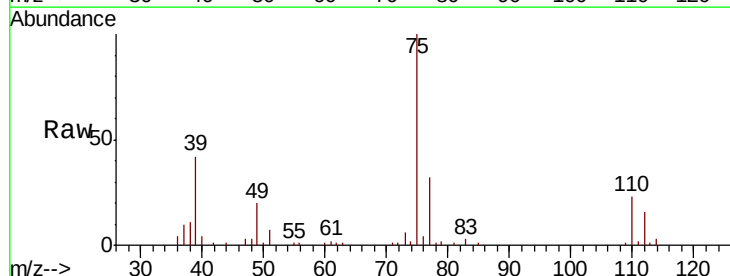
Acq: 23 Sep 2020 10:39

Tgt Ion: 75 Resp: 35059

Ion Ratio Lower Upper

75 100

77 31.7 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

20000

15000

10000

5000

0

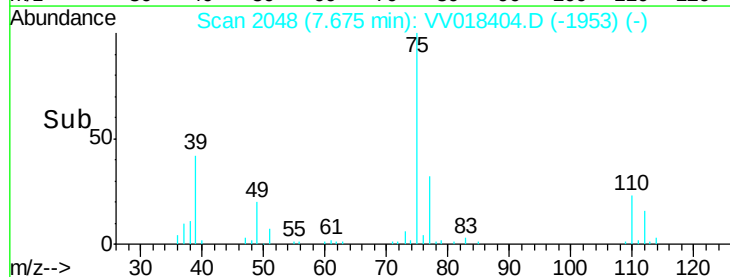
7.60

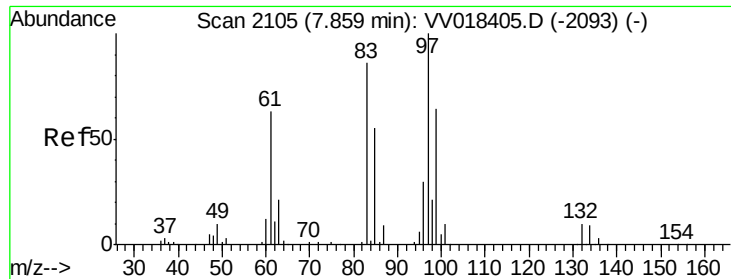
7.65

7.70

7.75

Time-->





#45

1,1,2-Trichloroethane

Concen: 11.018 ug/L

RT: 7.86 min Scan# 2105

Delta R.T. -0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010302

Tot Ion: 97 Resp: 23634

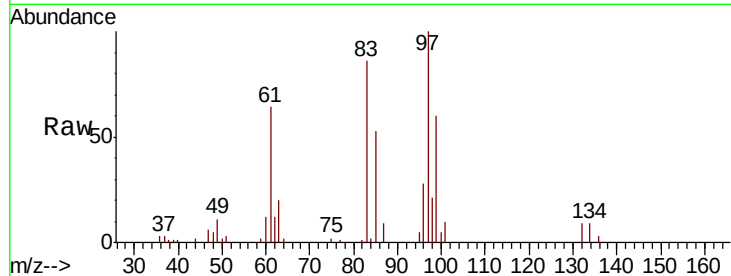
Ion Ratio Lower Upper

97 100

99 60.5 44.6 82.8

83 85.8 60.5 112.5

85 53.2 38.2 71.0

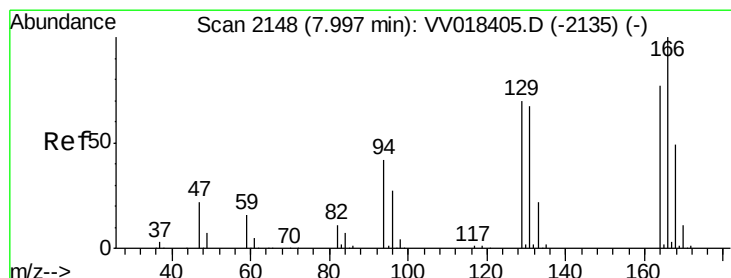
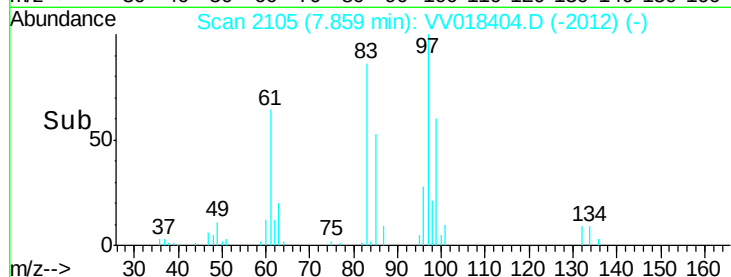
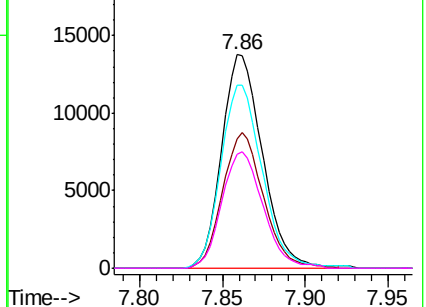


Abundance Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46

Tetrachloroethene

Concen: 10.815 ug/L

RT: 8.00 min Scan# 2148

Delta R.T. -0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Tgt Ion: 164 Resp: 20212

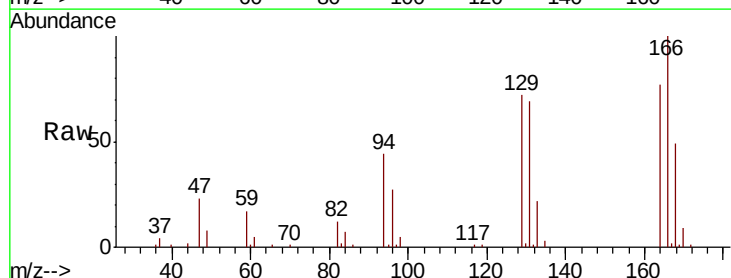
Ion Ratio Lower Upper

164 100

129 92.8 63.7 118.3

131 89.8 60.6 112.6

166 129.5 90.6 168.3

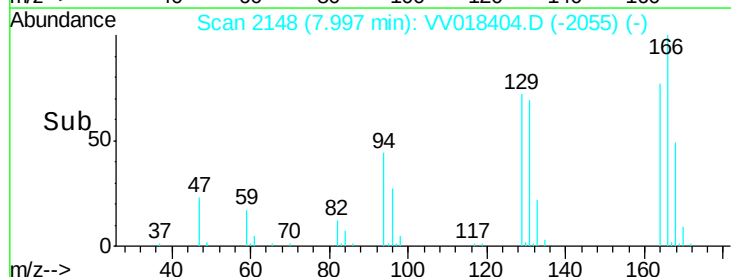
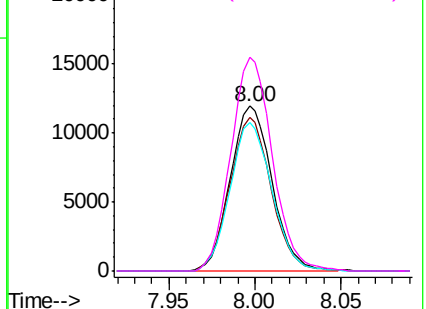


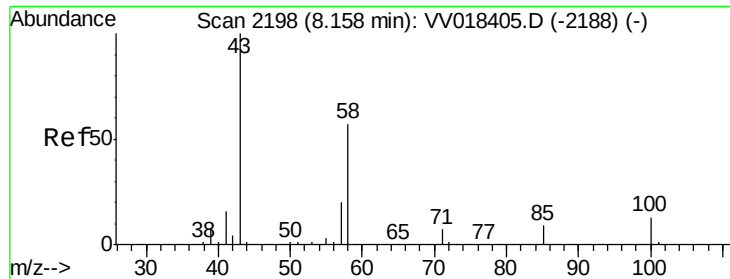
Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

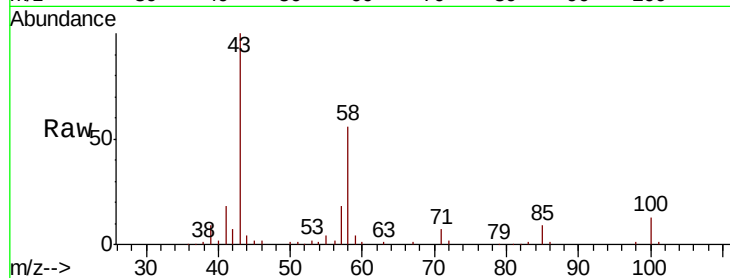




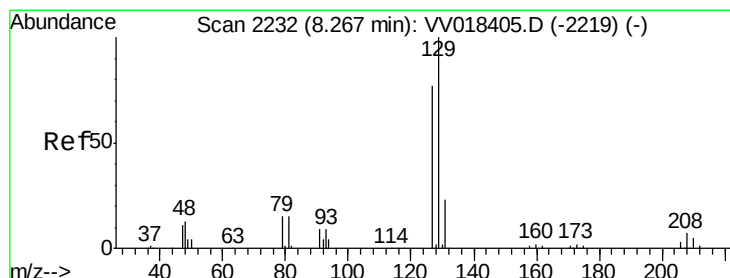
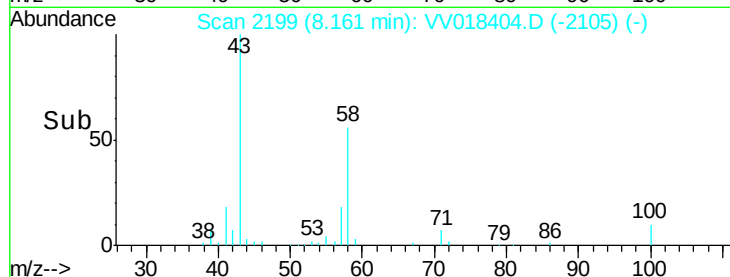
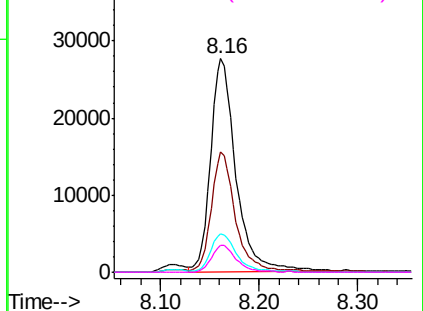
#48
2-Hexanone
Concen: 20.434 ug/L
RT: 8.16 min Scan# 2199
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

Tot Ion: 43 Resp: 49264
Ion Ratio Lower Upper
43 100
58 51.8 45.4 68.0
57 17.8 16.0 24.0
100 12.0 10.1 15.1

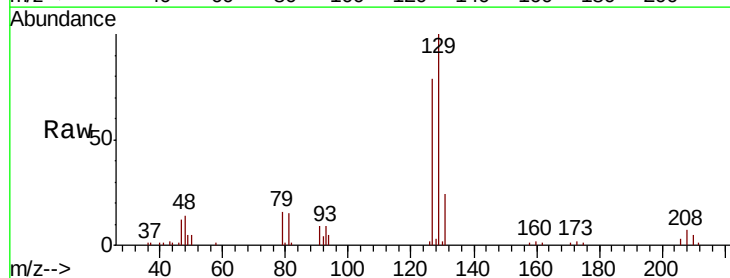


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

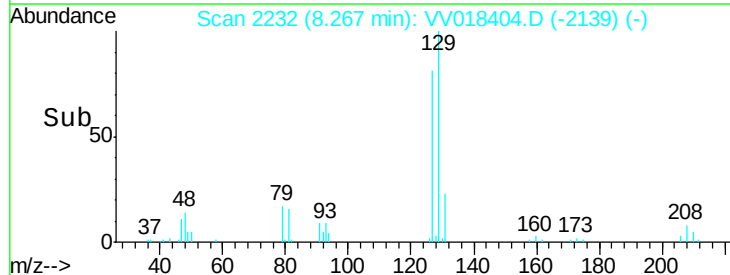
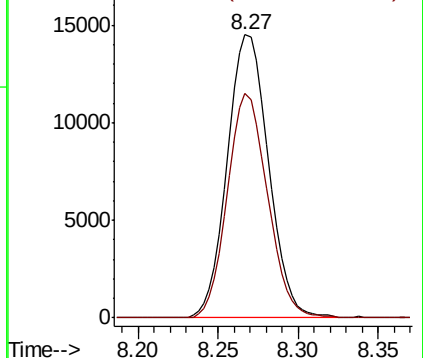


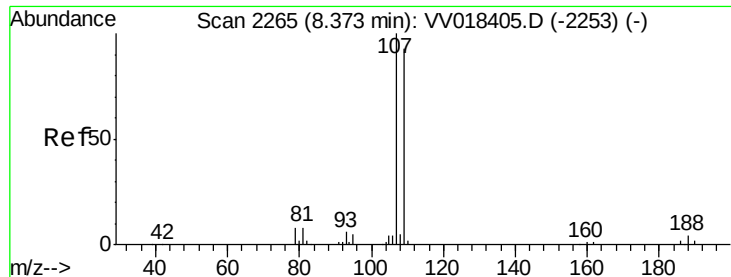
#49
Dibromochloromethane
Concen: 10.626 ug/L
RT: 8.27 min Scan# 2232
Delta R.T. -0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion: 129 Resp: 25529
Ion Ratio Lower Upper
129 100
127 79.2 53.5 99.5



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

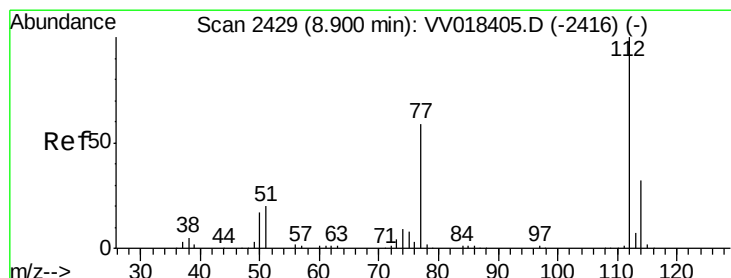
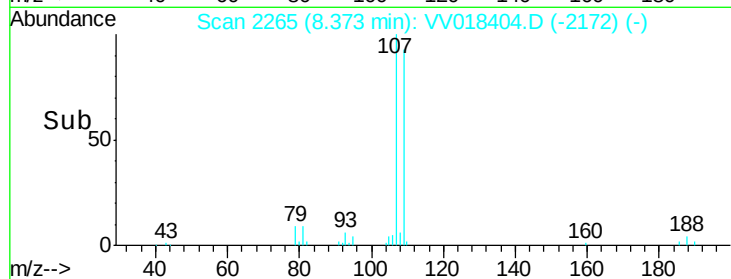
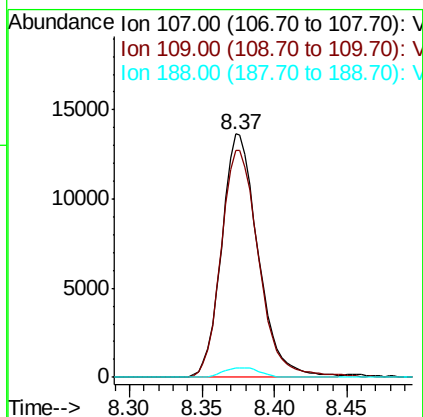
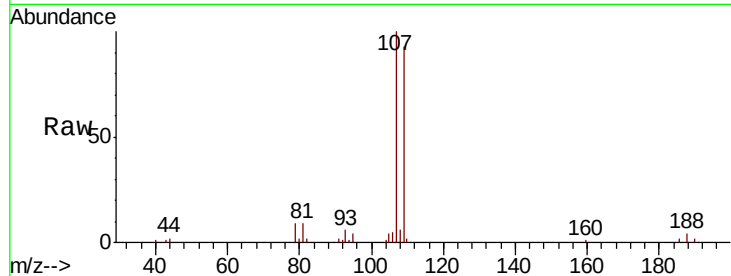




#50
1,2-Dibromoethane
Concen: 10.657 ug/L
RT: 8.37 min Scan# 2265
Delta R.T. -0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

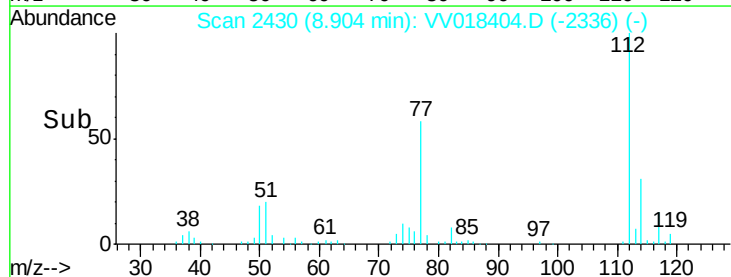
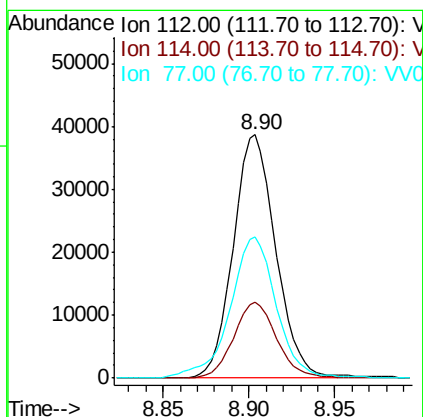
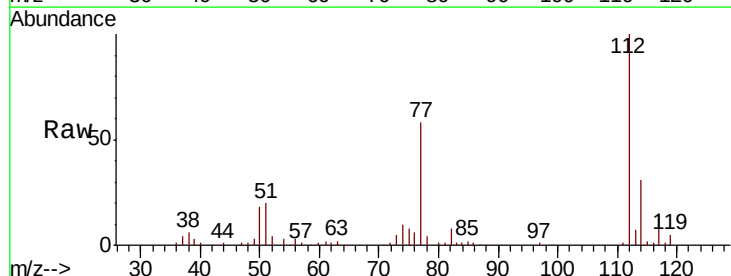
Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

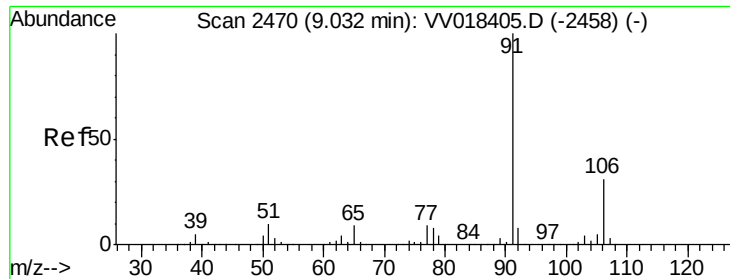
Tot Ion:107 Resp: 23862
Ion Ratio Lower Upper
107 100
109 93.4 64.9 120.5
188 3.9 3.4 5.0



#51
Chlorobenzene
Concen: 11.006 ug/L
RT: 8.90 min Scan# 2430
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion:112 Resp: 66218
Ion Ratio Lower Upper
112 100
114 31.2 22.2 41.2
77 57.9 47.4 71.2





#52

Ethylbenzene

Concen: 10.051 ug/L

RT: 9.03 min Scan# 2470

Delta R.T. -0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

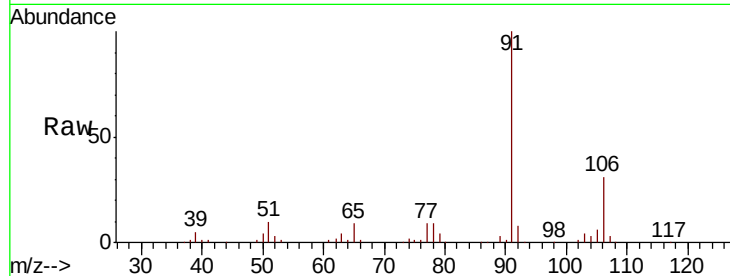
VSTD010302

Tot Ion: 91 Resp: 103273

Ion Ratio Lower Upper

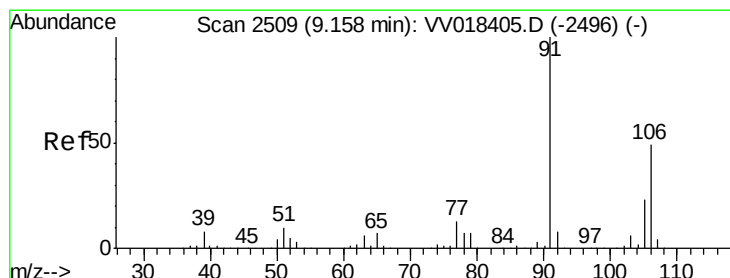
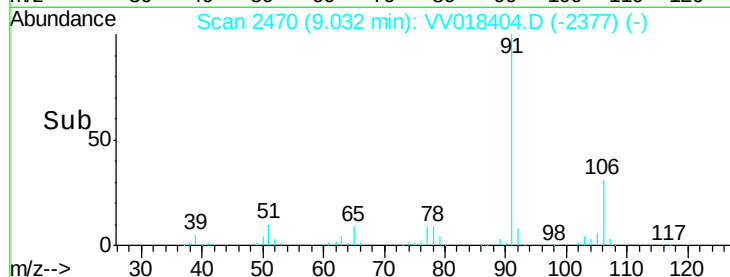
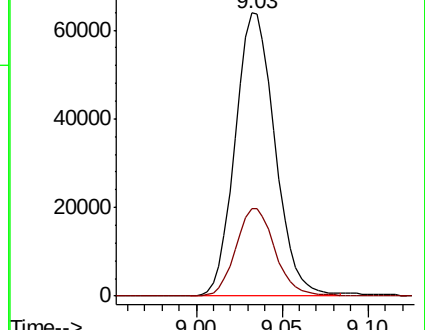
91 100

106 30.8 21.4 39.8



Abundance Ion 91.00 (90.70 to 91.70): VV018404.D (-2377) (-)

Ion 106.00 (105.70 to 106.70): VV018404.D (-2377) (-)



#53

m,p-Xylene

Concen: 9.750 ug/L

RT: 9.16 min Scan# 2510

Delta R.T. 0.00 min

Lab File: VV018404.D

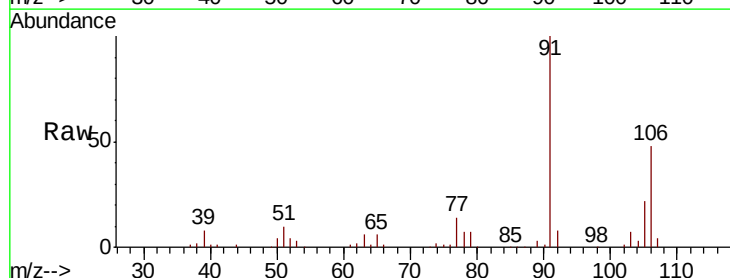
Acq: 23 Sep 2020 10:39

Tgt Ion: 106 Resp: 37916

Ion Ratio Lower Upper

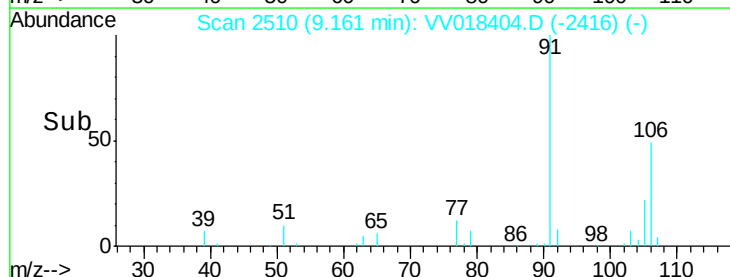
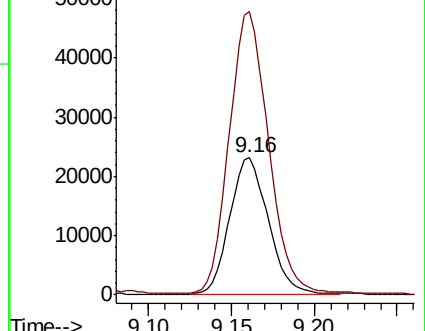
106 100

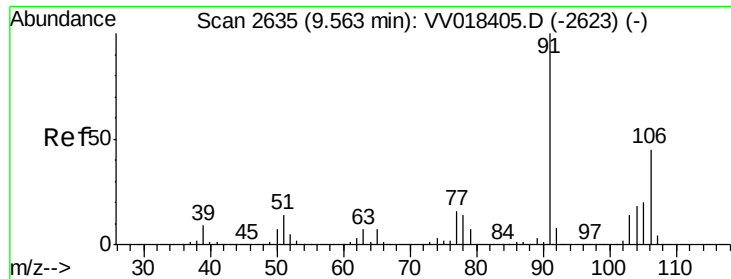
91 206.6 143.4 266.4



Abundance Ion 106.00 (105.70 to 106.70): VV018404.D (-2416) (-)

Ion 91.00 (90.70 to 91.70): VV018404.D (-2416) (-)

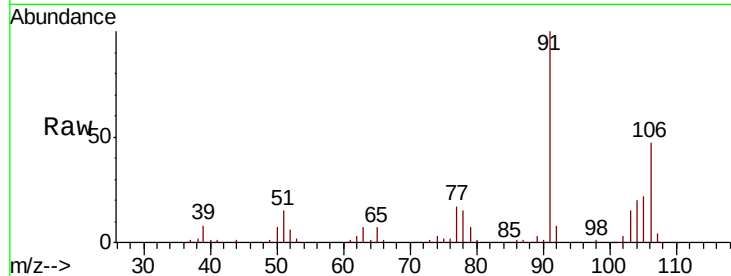




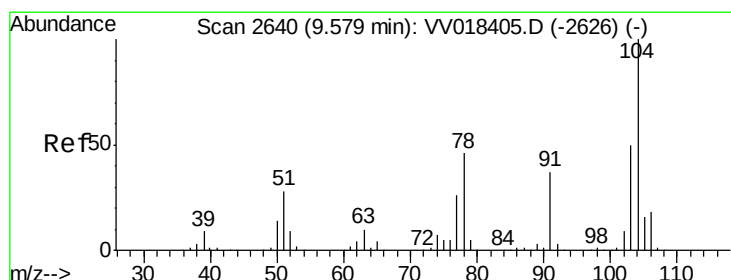
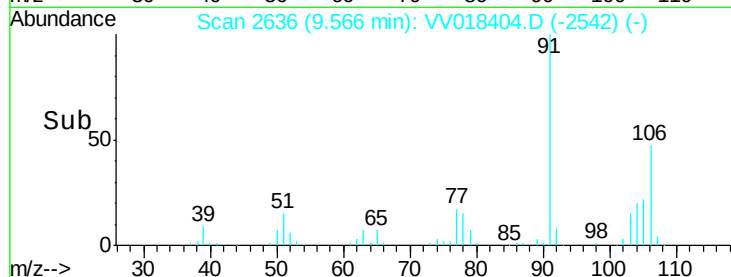
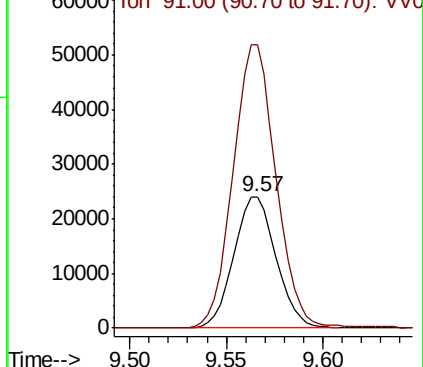
#54
o-Xylene
Concen: 9.848 ug/L
RT: 9.57 min Scan# 2636
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

Tot Ion:106 Resp: 36741
Ion Ratio Lower Upper
106 100
91 215.0 154.7 287.3

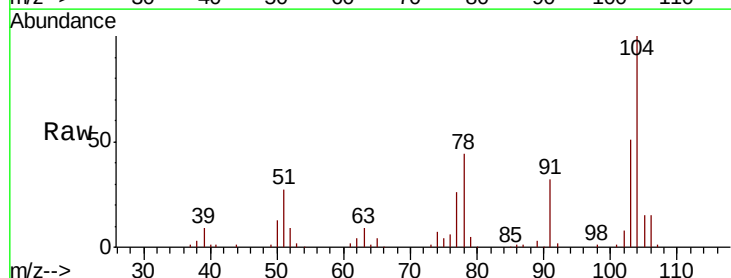


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

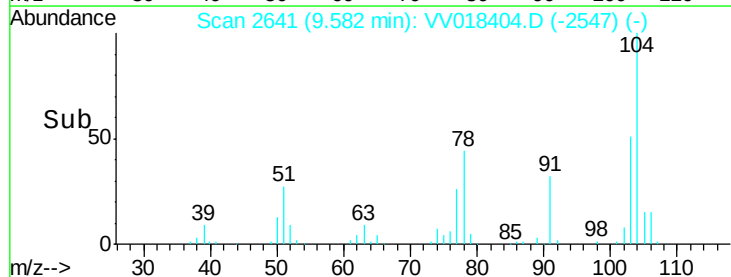
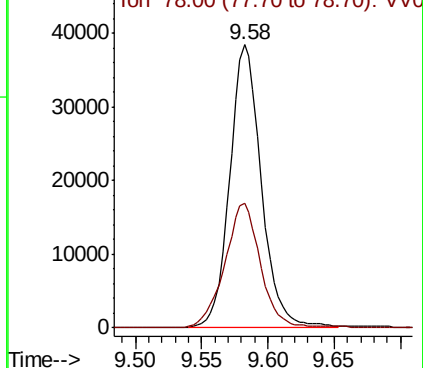


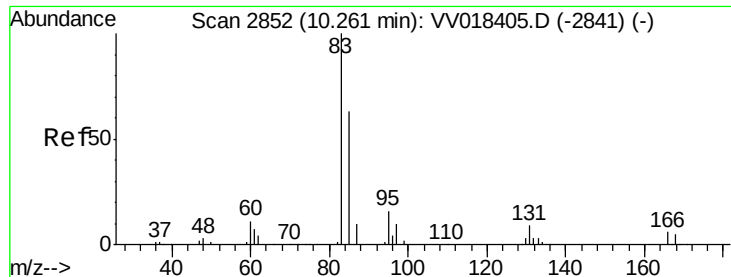
#55
Styrene
Concen: 9.538 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion:104 Resp: 63646
Ion Ratio Lower Upper
104 100
78 44.2 32.1 59.5



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

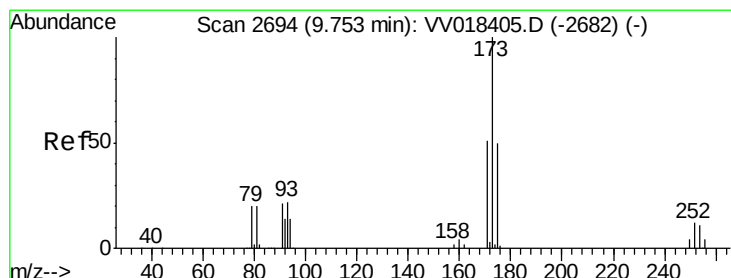
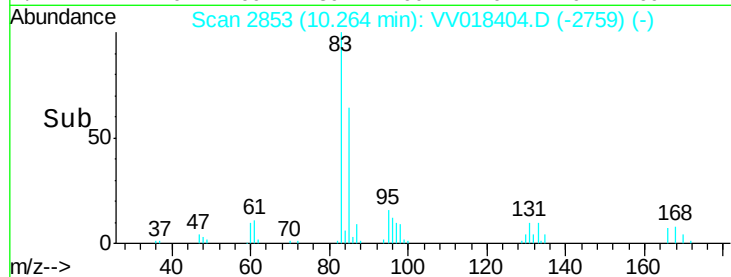
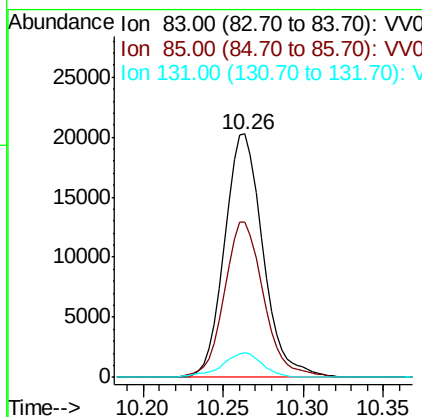
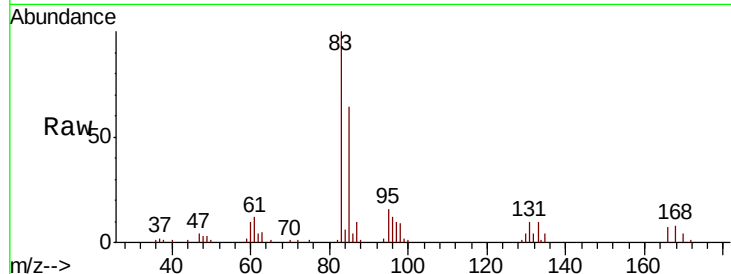




#57
 1,1,2,2-Tetrachloroethane
 Concen: 10.486 ug/L
 RT: 10.26 min Scan# 2853
 Delta R.T. 0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

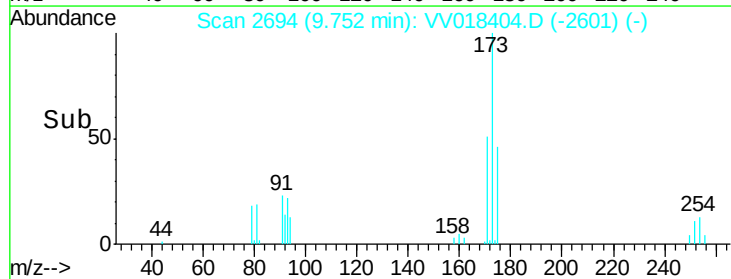
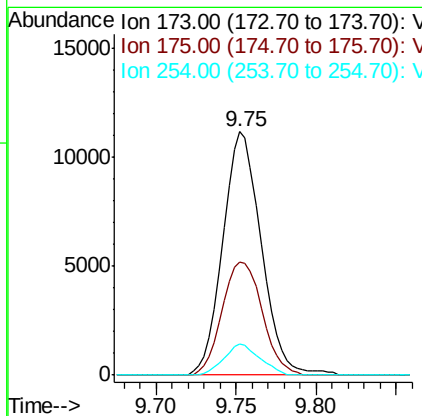
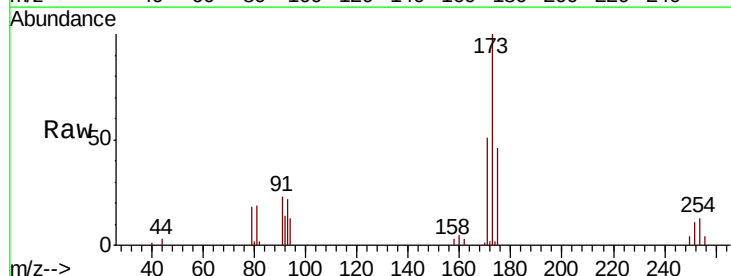
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

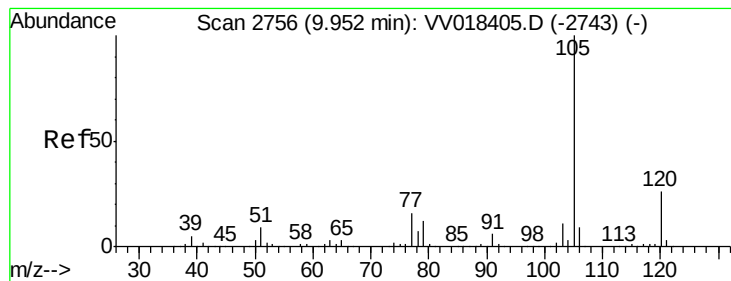
Tot Ion: 83 Resp: 33292
 Ion Ratio Lower Upper
 83 100
 85 63.9 44.4 82.5
 131 10.3 7.8 11.6



#59
 Bromoform
 Concen: 10.744 ug/L
 RT: 9.75 min Scan# 2694
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion: 173 Resp: 18309
 Ion Ratio Lower Upper
 173 100
 175 48.4 39.4 59.2
 254 11.9 8.7 13.1





#60

Isopropylbenzene

Concen: 10.086 ug/L

RT: 9.95 min Scan# 2756

Delta R.T. -0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

Instrument :

MSVOA_V

ClientSampleId :

VSTD010302

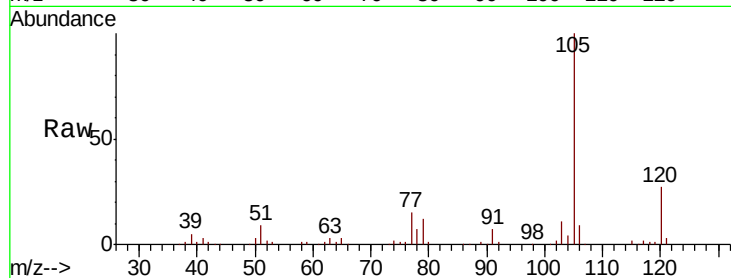
Tot Ion:105 Resp: 99992

Ion Ratio Lower Upper

105 100

120 26.5 20.8 31.2

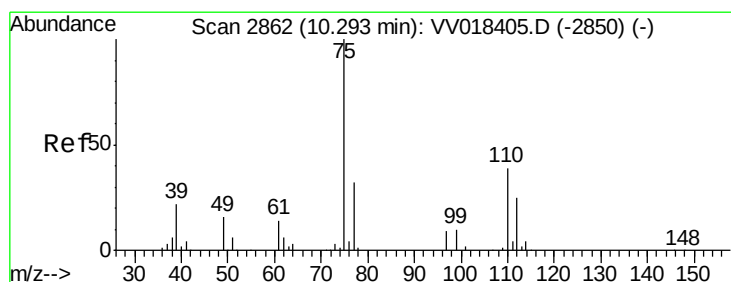
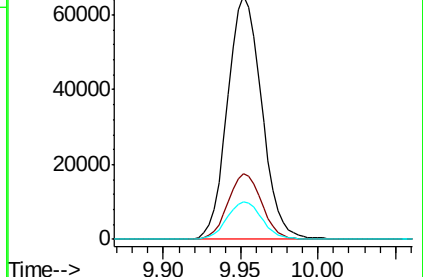
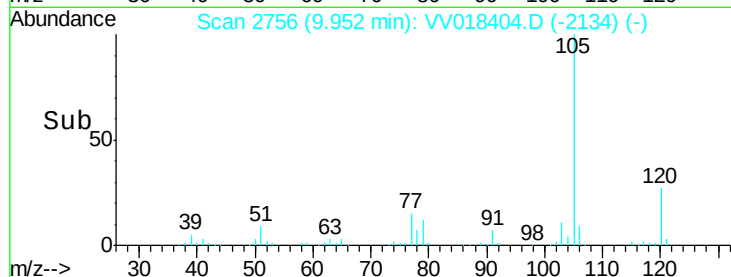
77 15.7 12.8 19.2



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: 11.740 ug/L

RT: 10.30 min Scan# 2863

Delta R.T. 0.00 min

Lab File: VV018404.D

Acq: 23 Sep 2020 10:39

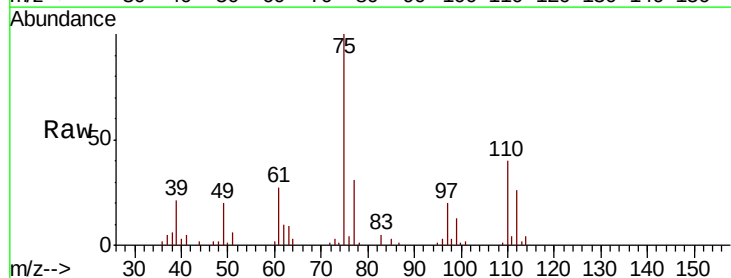
Tgt Ion: 75 Resp: 30614

Ion Ratio Lower Upper

75 100

77 31.2 25.8 38.8

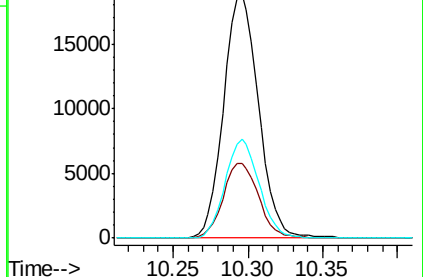
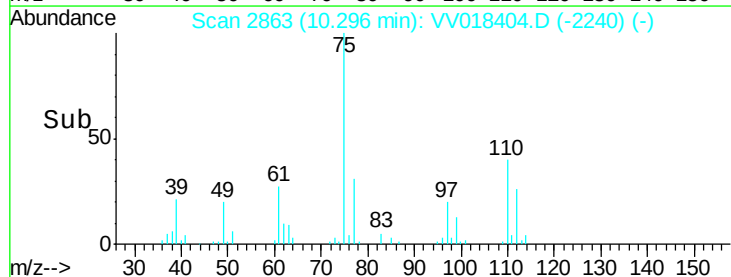
110 39.2 31.5 47.3

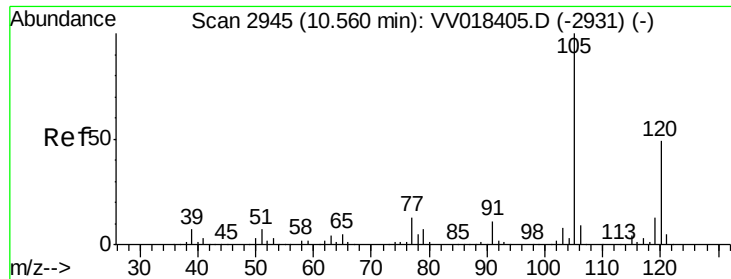


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

Ion 110.00 (109.70 to 110.70): V

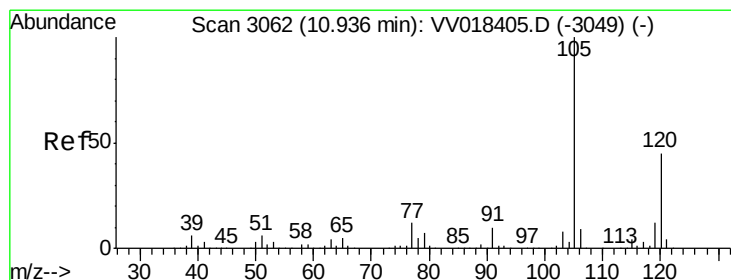
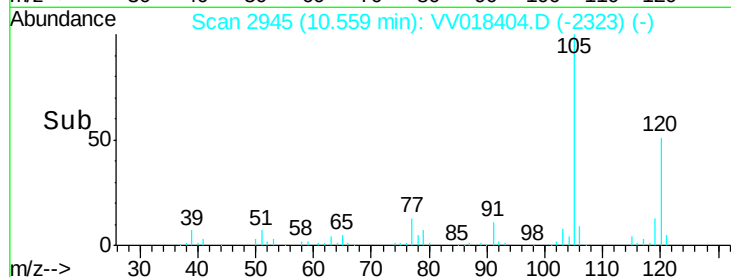
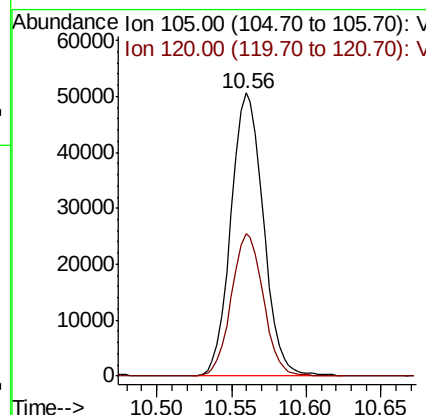
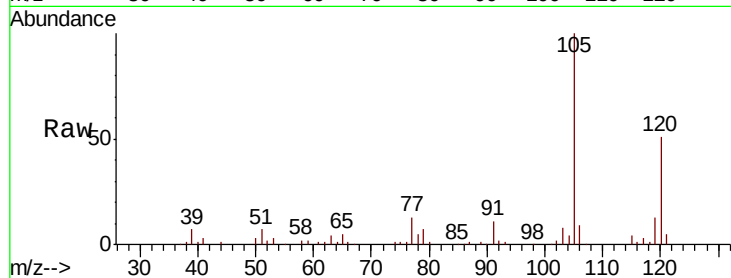




#62
 1,3,5-Trimethylbenzene
 Concen: 9.223 ug/L
 RT: 10.56 min Scan# 2945
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

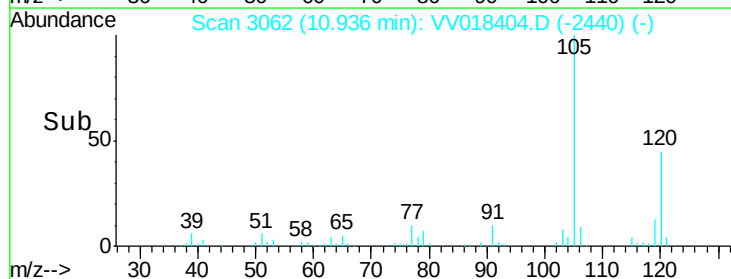
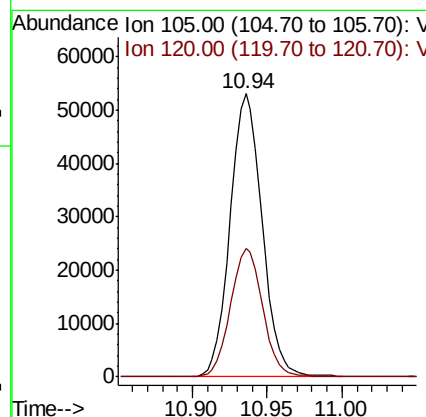
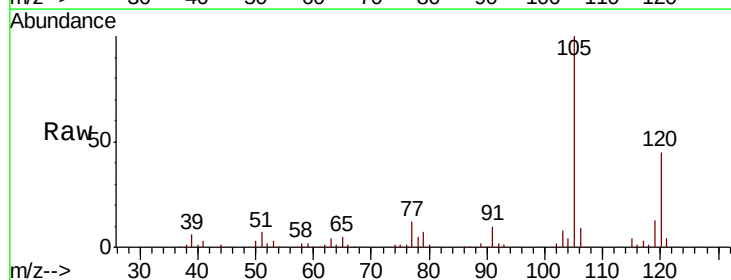
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

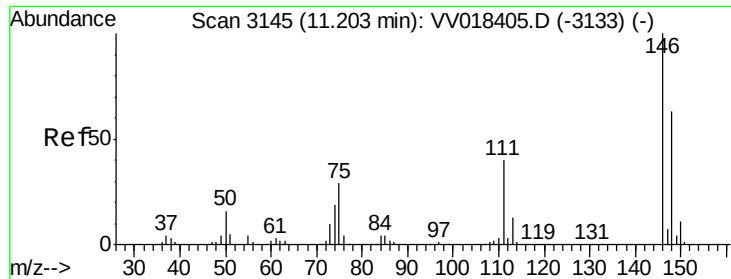
Tot Ion:105 Resp: 76572
 Ion Ratio Lower Upper
 105 100
 120 49.4 39.1 58.7



#63
 1,2,4-Trimethylbenzene
 Concen: 9.285 ug/L
 RT: 10.94 min Scan# 3062
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion:105 Resp: 79344
 Ion Ratio Lower Upper
 105 100
 120 45.4 36.2 54.2

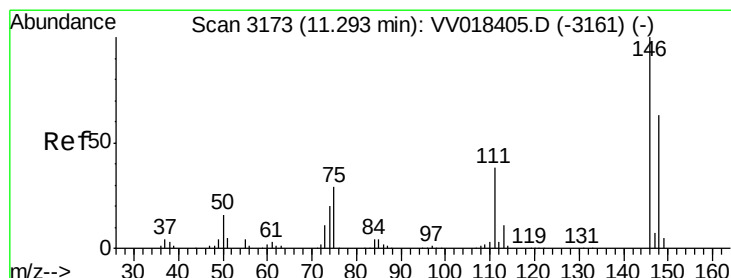
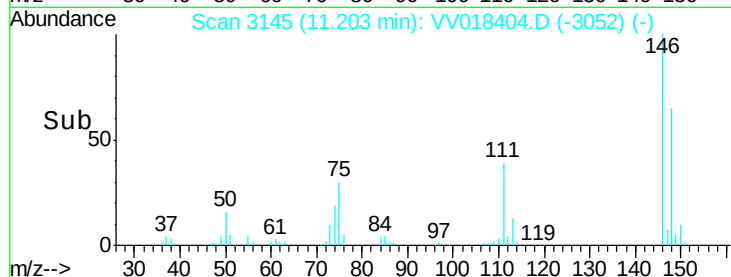
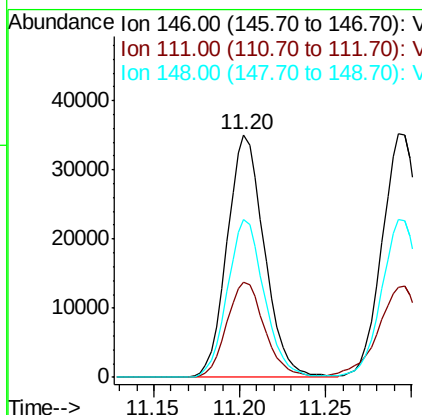
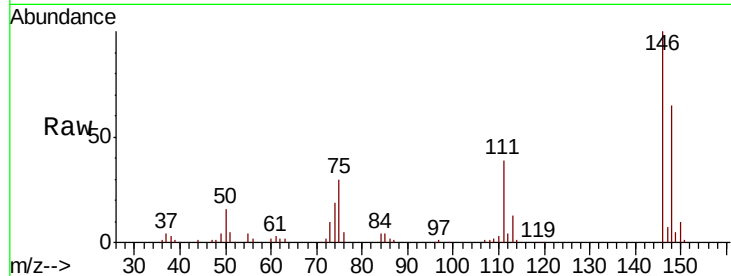




#64
 1,3-Dichlorobenzene
 Concen: 10.816 ug/L
 RT: 11.20 min Scan# 3145
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

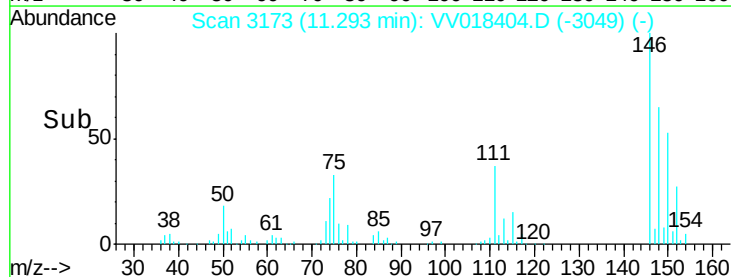
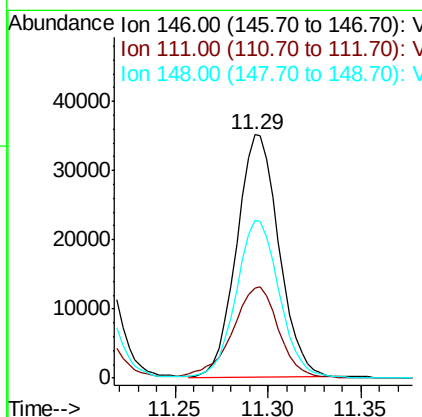
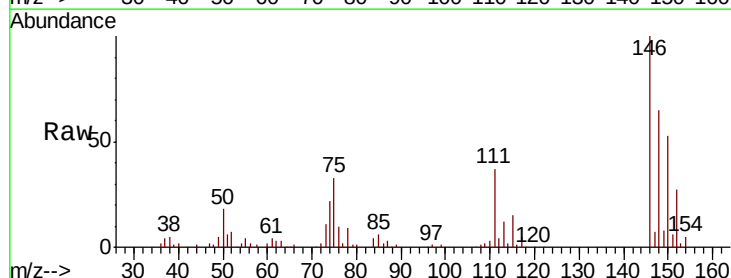
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

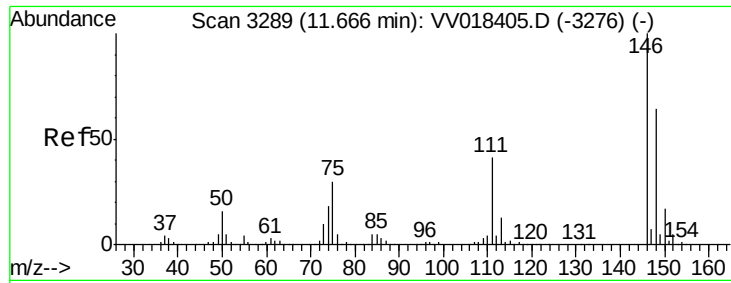
Tot Ion:146 Resp: 52791
 Ion Ratio Lower Upper
 146 100
 111 39.1 27.6 51.4
 148 65.2 44.2 82.2



#65
 1,4-Dichlorobenzene
 Concen: 11.067 ug/L
 RT: 11.29 min Scan# 3173
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion:146 Resp: 55530
 Ion Ratio Lower Upper
 146 100
 111 37.2 26.6 49.4
 148 64.8 44.3 82.3

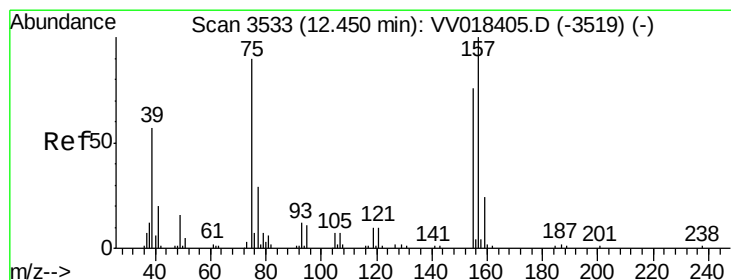
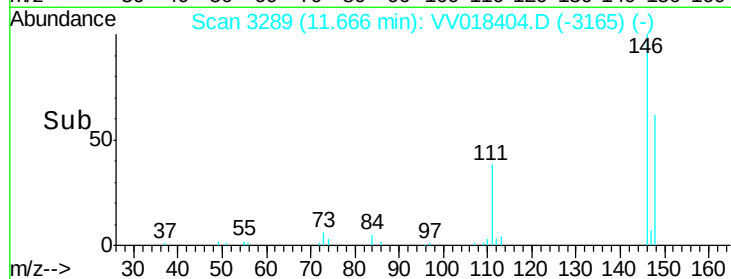
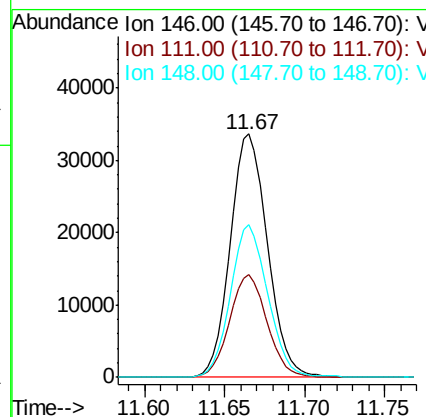
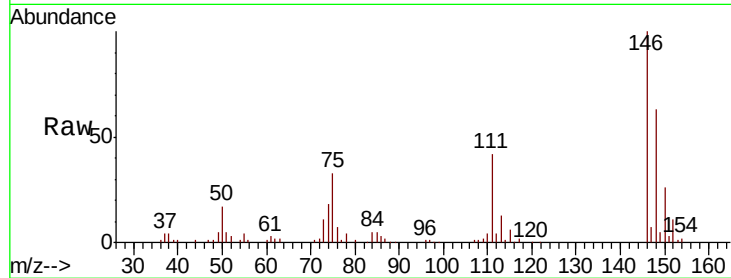




#67
 1,2-Dichlorobenzene
 Concen: 10.984 ug/L
 RT: 11.67 min Scan# 3289
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

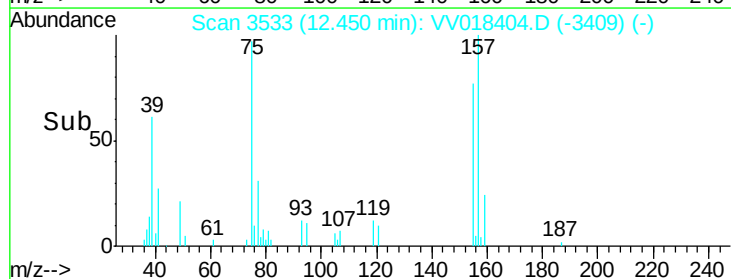
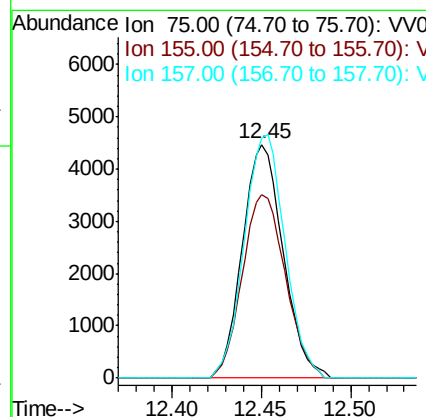
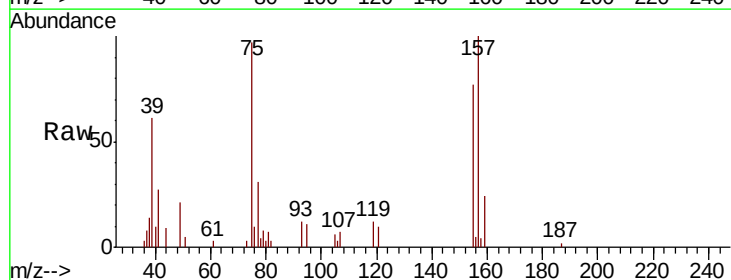
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

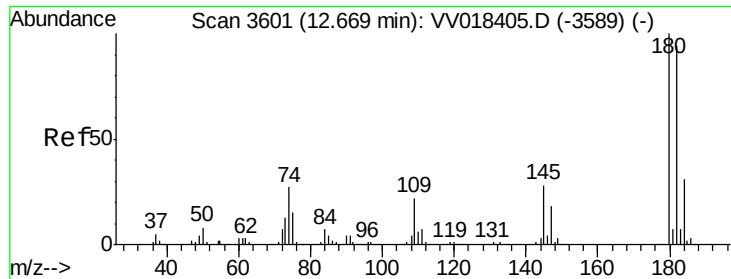
Tot Ion:146 Resp: 53367
 Ion Ratio Lower Upper
 146 100
 111 42.0 32.6 49.0
 148 62.8 51.0 76.6



#68
 1,2-Dibromo-3-chloropropane
 Concen: 10.570 ug/L
 RT: 12.45 min Scan# 3533
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion: 75 Resp: 7150
 Ion Ratio Lower Upper
 75 100
 155 78.8 67.6 101.4
 157 102.7 88.7 133.1

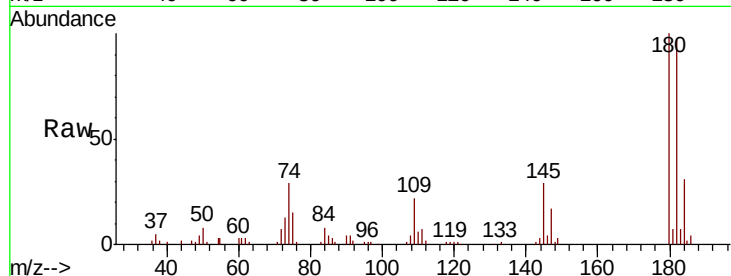




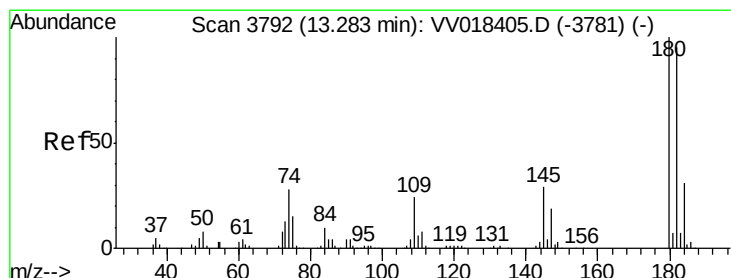
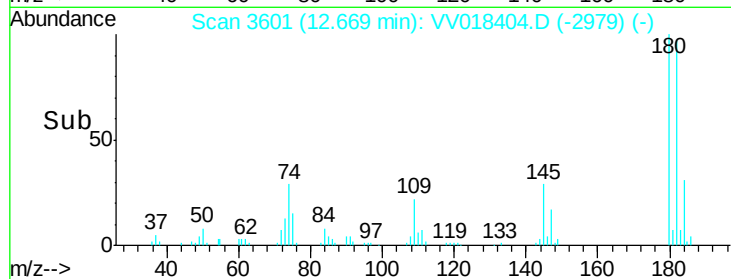
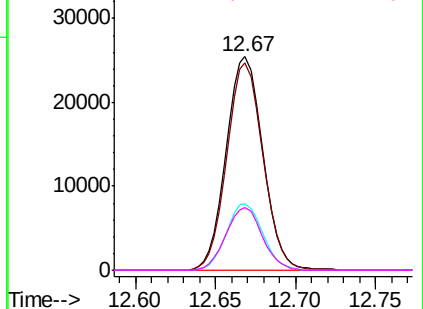
#69
 1,3,5-Trichlorobenzene
 Concen: 10.318 ug/L
 RT: 12.67 min Scan# 3601
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD010302

Tot Ion:180	Resp:	39742
Ion	Ratio	Lower Upper
180	100	
182	95.8	76.6 115.0
184	30.6	24.8 37.2
145	29.0	23.0 34.4

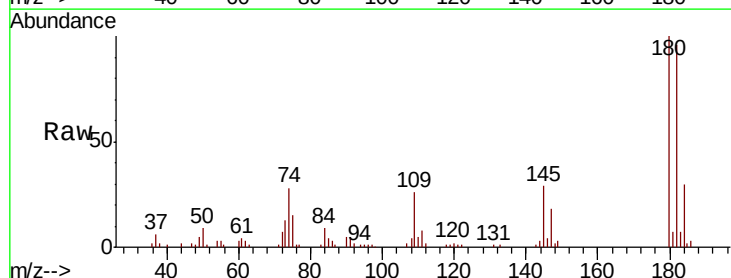


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

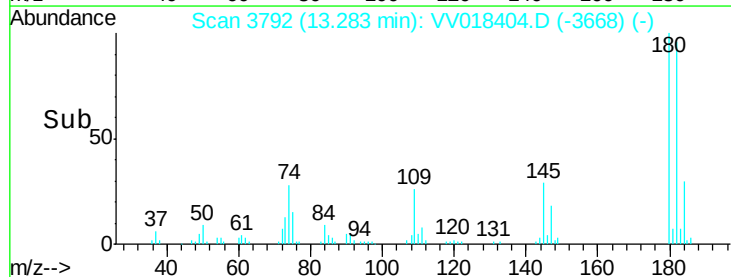
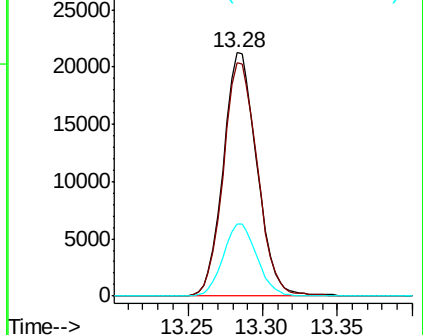


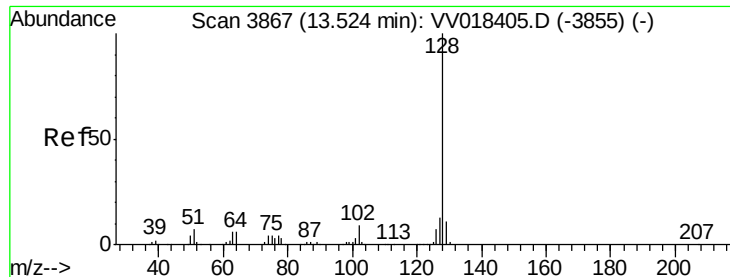
#70
 1,2,4-trichlorobenzene
 Concen: 9.410 ug/L
 RT: 13.28 min Scan# 3792
 Delta R.T. -0.00 min
 Lab File: VV018404.D
 Acq: 23 Sep 2020 10:39

Tgt Ion:180	Resp:	33237
Ion	Ratio	Lower Upper
180	100	
182	96.8	75.8 113.6
145	29.5	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

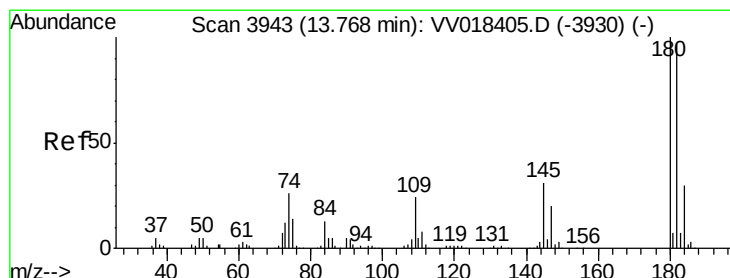
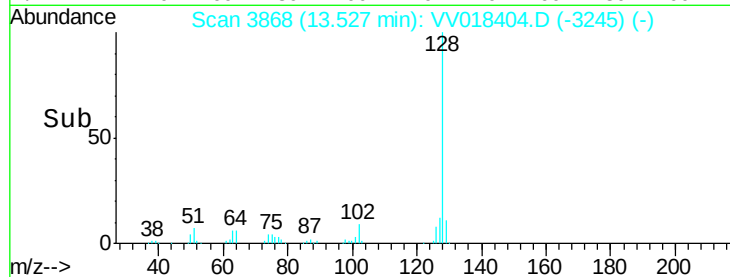
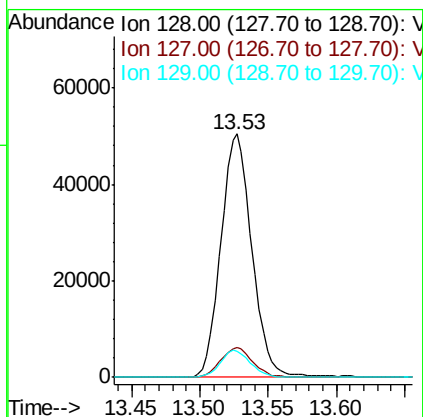
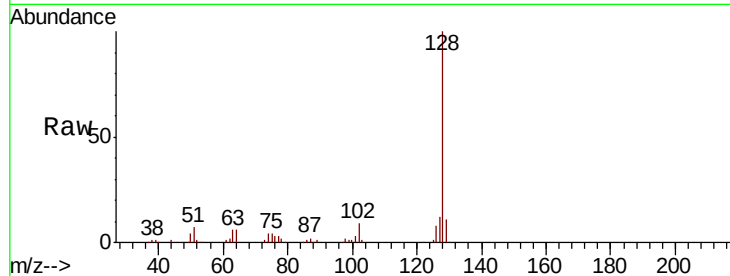




#71
Naphthalene
Concen: 8.380 ug/L
RT: 13.53 min Scan# 3868
Delta R.T. 0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Instrument :
MSVOA_V
ClientSampleId :
VSTD010302

Tot Ion:128 Resp: 79641
Ion Ratio Lower Upper
128 100
127 12.5 10.4 15.6
129 10.7 8.7 13.1



#72
1,2,3-Trichlorobenzene
Concen: 9.914 ug/L
RT: 13.77 min Scan# 3943
Delta R.T. -0.00 min
Lab File: VV018404.D
Acq: 23 Sep 2020 10:39

Tgt Ion:180 Resp: 34920
Ion Ratio Lower Upper
180 100
182 96.8 77.1 115.7
145 30.6 25.0 37.6

