

Data File : VV014503.D
Acq On : 04 Feb 2020 19:28
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Quant Time: Feb 05 01:10:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 01:06:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	390074	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	369842	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	184285	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	71587	33.05	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	66.10%
7) Chloroethane-d5	1.58	69	56999	42.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.64%
11) 1,1-Dichloroethene-d2	2.13	63	137052	47.39	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.78%
21) 2-Butanone-d5	3.92	46	163446	112.13	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.13%
24) Chloroform-d	4.40	84	230381	50.25	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.50%
26) 1,2-Dichloroethane-d4	5.08	65	142075	51.44	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.88%
32) Benzene-d6	5.10	84	457742	47.00	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	94.00%
36) 1,2-Dichloropropane-d6	6.11	67	146249	47.47	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.94%
41) Toluene-d8	7.36	98	440947	49.05	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.10%
43) trans-1,3-Dichloropropene-	7.66	79	78678	50.24	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	100.48%
47) 2-Hexanone-d5	8.13	63	138155	114.61	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	114.61%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	198769	50.07	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	100.14%
64) 1,2-Dichlorobenzene-d4	11.67	152	173361	51.08	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	102.16%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	152112	46.643 ug/L	99
3) Chloromethane	1.26	50	148717	43.677 ug/L	99
5) Vinyl chloride	1.33	62	110080	40.233 ug/L	100
6) Bromomethane	1.53	94	49580	54.386 ug/L	100
8) Chloroethane	1.60	64	56915	47.373 ug/L	98
9) Trichlorofluoromethane	1.77	101	164207	52.125 ug/L	97
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	76694	51.928 ug/L	97
12) 1,1-Dichloroethene	2.14	96	75375	50.796 ug/L	96
13) Acetone	2.19	43	89352	71.840 ug/L	99
14) Carbon disulfide	2.32	76	348937	47.879 ug/L	100
15) Methyl Acetate	2.46	43	128256	53.511 ug/L	100
16) Methylene chloride	2.54	84	139570	48.849 ug/L	98
17) trans-1,2-Dichloroethene	2.79	96	132128	51.336 ug/L	96
18) Methyl tert-butyl Ether	2.80	73	415997	52.546 ug/L	98
19) 1,1-Dichloroethane	3.23	63	231779	49.352 ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	146324	50.975 ug/L	97
22) 2-Butanone	4.01	43	173197	96.640 ug/L	99

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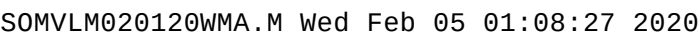
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

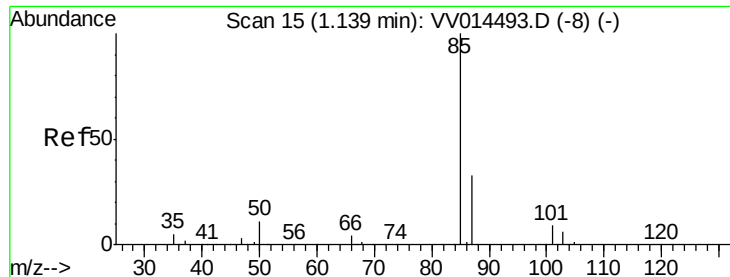
Quant Time: Feb 05 01:10:04 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM020120WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Feb 05 01:06:41 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	70354	52.281	ug/L	94
25) Chloroform	4.42	83	236232	49.937	ug/L	99
27) 1,2-Dichloroethane	5.18	62	182655	54.308	ug/L	97
29) Cyclohexane	4.72	56	218985	48.466	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	210700	53.164	ug/L	98
31) Carbon tetrachloride	4.87	117	185847	53.744	ug/L	98
33) Benzene	5.14	78	540208	49.503	ug/L	100
34) Trichloroethene	5.96	95	143635	52.113	ug/L	96
35) Methylcyclohexane	6.17	83	225803	49.305	ug/L	99
37) 1,2-Dichloropropane	6.22	63	137105	50.275	ug/L	99
38) Bromodichloromethane	6.55	83	185390	50.773	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	236088	52.648	ug/L	98
40) 4-Methyl-2-pentanone	7.26	43	359577	109.063	ug/L	96
42) Toluene	7.43	91	585750	51.275	ug/L	99
44) trans-1,3-Dichloropropene	7.69	75	210246	52.794	ug/L	99
45) 1,1,2-Trichloroethane	7.88	97	132704	51.503	ug/L	98
46) Tetrachloroethene	8.02	164	109635	54.390	ug/L	99
48) 2-Hexanone	8.18	43	267105	103.569	ug/L	97
49) Dibromochloromethane	8.29	129	151235	53.348	ug/L	99
50) 1,2-Dibromoethane	8.39	107	144623	52.717	ug/L	98
51) Chlorobenzene	8.92	112	382220	52.303	ug/L	99
52) Ethylbenzene	9.05	91	657993	51.320	ug/L	99
53) m,p-Xylene	9.18	106	251196	52.468	ug/L	99
54) o-xylene	9.58	106	245279	51.704	ug/L	100
55) Styrene	9.60	104	426792	53.607	ug/L	99
56) Isopropylbenzene	9.97	105	643521	53.053	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	210788	51.209	ug/L	99
59) 1,2,3-Trichloropropane	10.31	75	167393	51.941	ug/L	99
61) Bromoform	9.77	173	102354	53.157	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	300577	53.031	ug/L	98
63) 1,4-Dichlorobenzene	11.31	146	307168	52.643	ug/L	98
65) 1,2-Dichlorobenzene	11.68	146	292836	52.270	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	46522	52.237	ug/L	94
67) 1,3,5-Trichlorobenzene	12.68	180	212317	55.604	ug/L	100
68) 1,2,4-trichlorobenzene	13.30	180	202715	58.441	ug/L	100
69) Naphthalene	13.54	128	935949	85.204	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	199059	59.556	ug/L	97

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

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#2

Dichlorodifluoromethane

Concen: 46.643 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

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MSVOA_V

ClientSampleId :

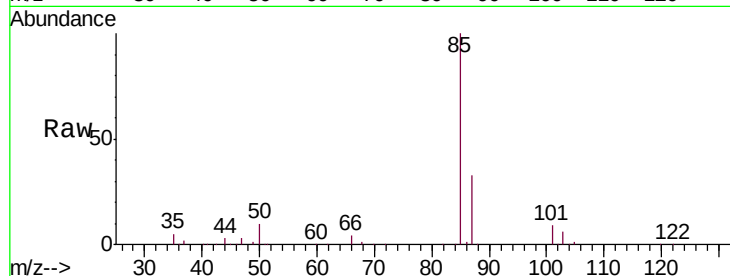
VSTD05092

Tgt Ion: 85 Resp: 152112

Ion Ratio Lower Upper

85 100

87 32.4 25.6 38.4



Abundance Ion 85.00 (84.70 to 85.70): VV014493.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV014493.D (-8) (-)

1.14

150000

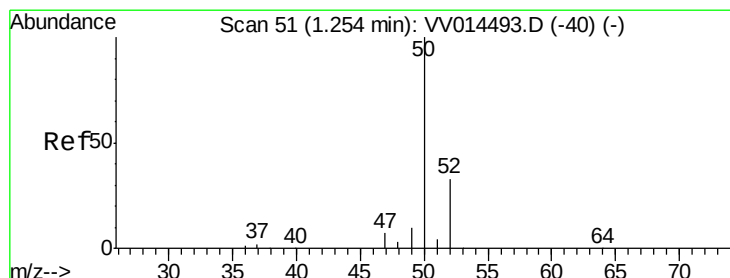
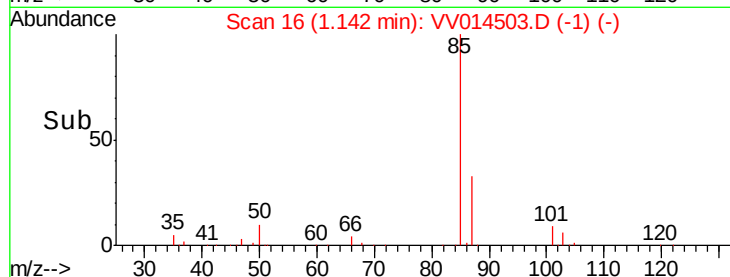
100000

50000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 43.677 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014503.D

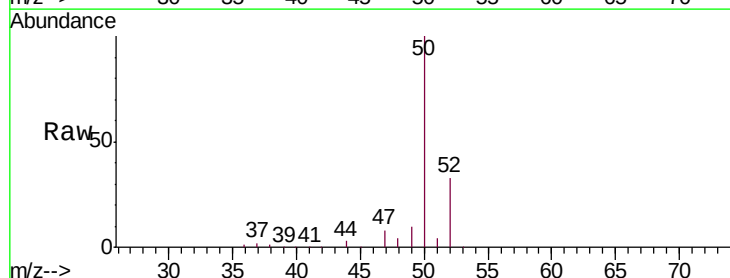
Acq: 04 Feb 2020 19:28

Tgt Ion: 50 Resp: 148717

Ion Ratio Lower Upper

50 100

52 33.0 22.8 42.4



Abundance Ion 50.00 (49.70 to 50.70): VV014493.D (-40) (-)

Ion 52.00 (51.70 to 52.70): VV014493.D (-40) (-)

1.26

150000

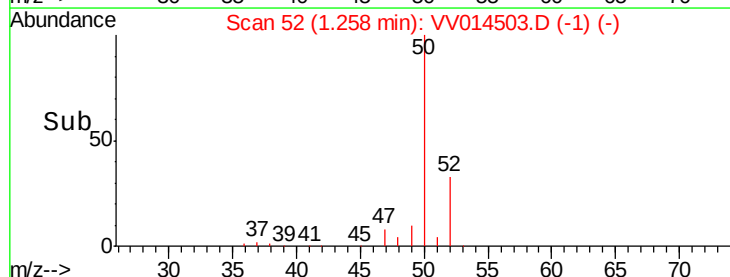
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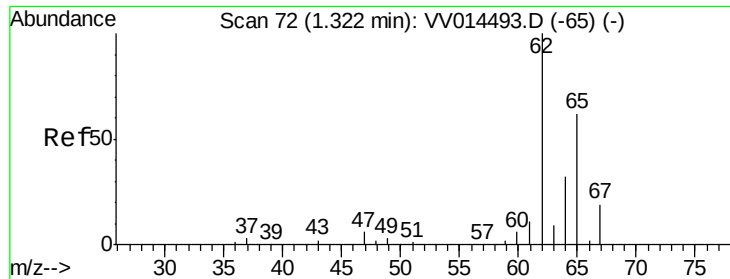
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 40.233 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

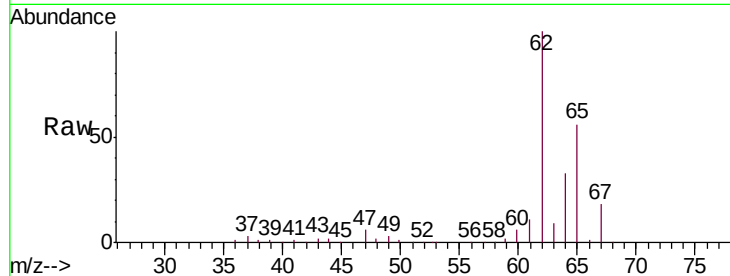
VSTD05092

Tgt Ion: 62 Resp: 110080

Ion Ratio Lower Upper

62 100

64 32.7 22.7 42.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.33

120000

100000

80000

60000

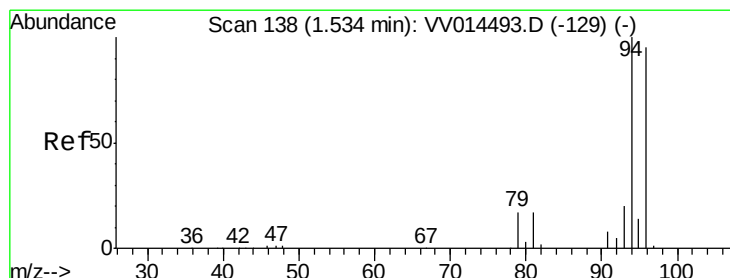
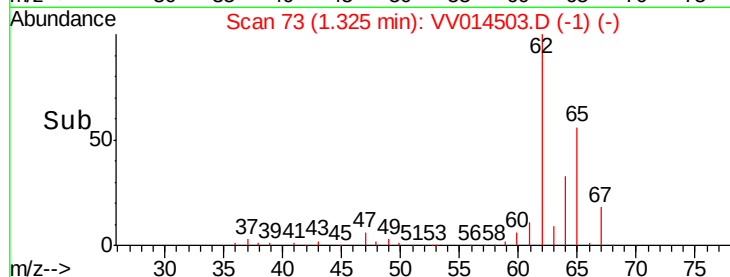
40000

20000

0

Time-->

1.30 1.35 1.40



#6

Bromomethane

Concen: 54.386 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV014503.D

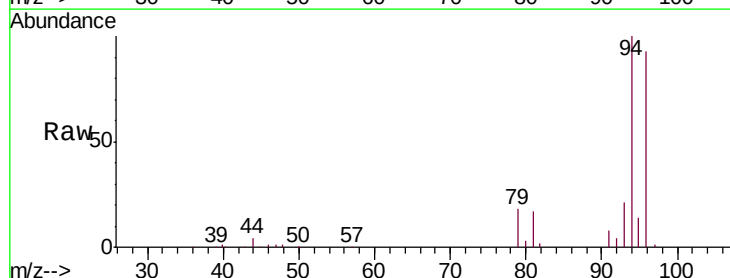
Acq: 04 Feb 2020 19:28

Tgt Ion: 94 Resp: 49580

Ion Ratio Lower Upper

94 100

96 93.1 65.0 120.8



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

40000

30000

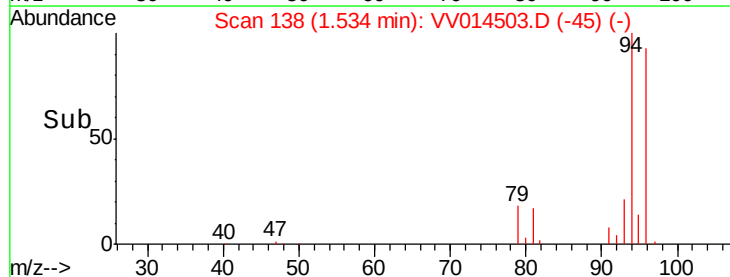
20000

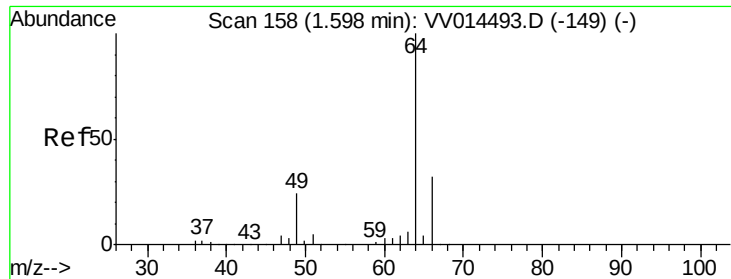
10000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 47.373 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

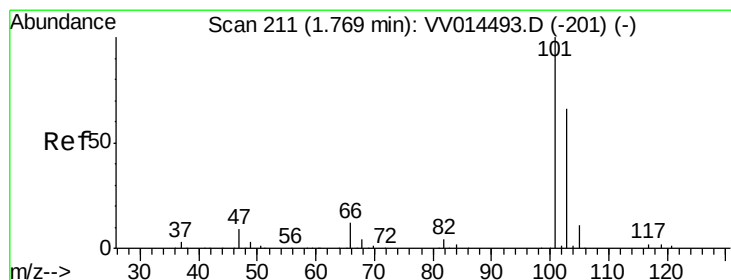
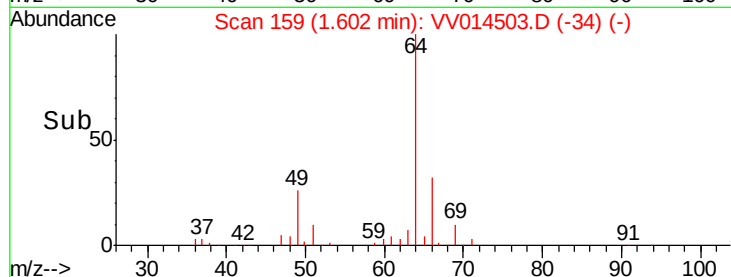
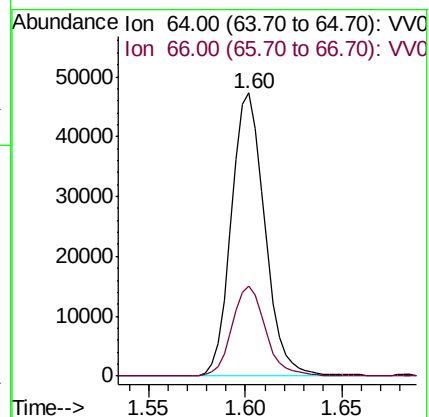
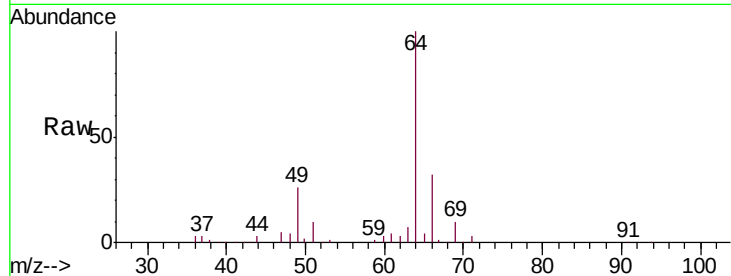
VSTD05092

Tgt Ion: 64 Resp: 56915

Ion Ratio Lower Upper

64 100

66 31.9 23.0 42.8



#9

Trichlorofluoromethane

Concen: 52.125 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014503.D

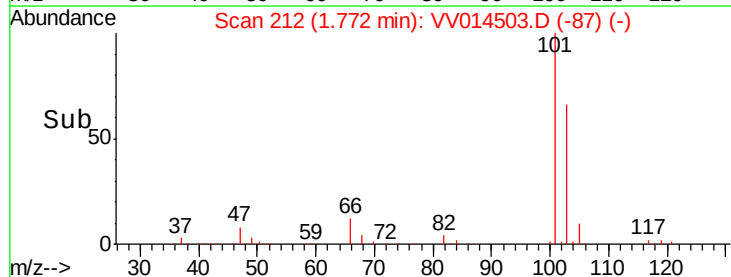
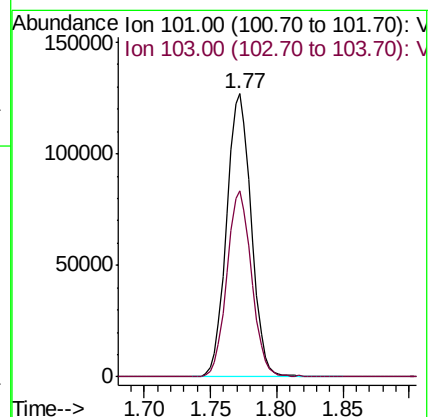
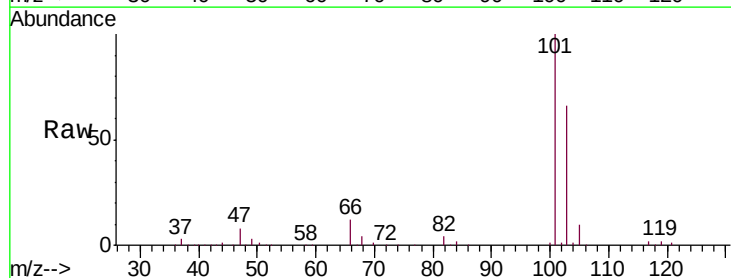
Acq: 04 Feb 2020 19:28

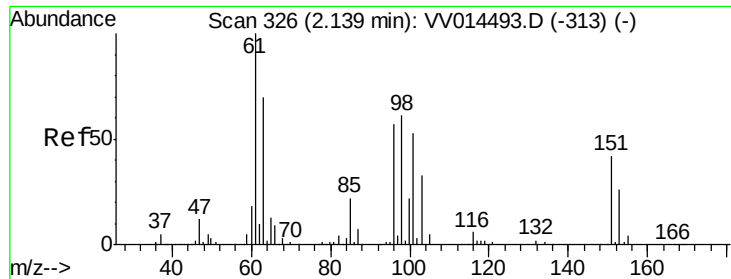
Tgt Ion: 101 Resp: 164207

Ion Ratio Lower Upper

101 100

103 65.6 50.6 75.8





#10

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

Concen: 51.928 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

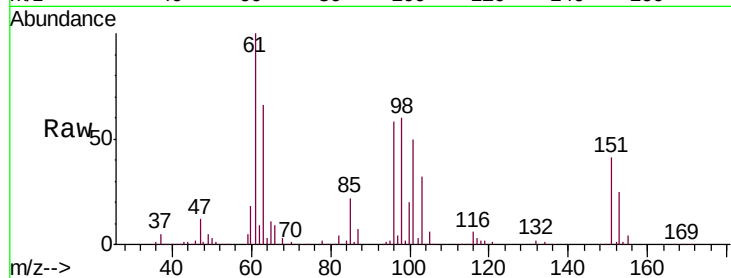
Tgt Ion: 101 Resp: 76694

Ion Ratio Lower Upper

101 100

85 42.9 34.6 51.8

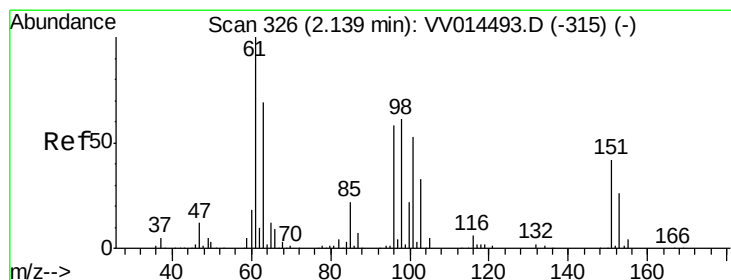
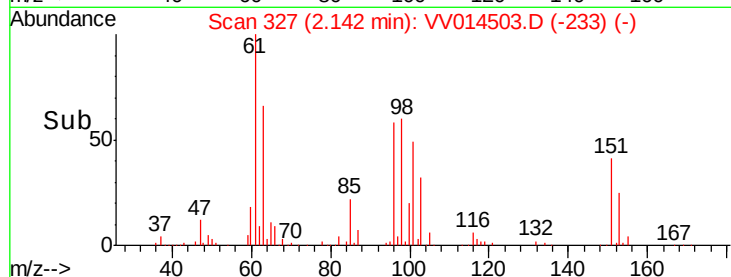
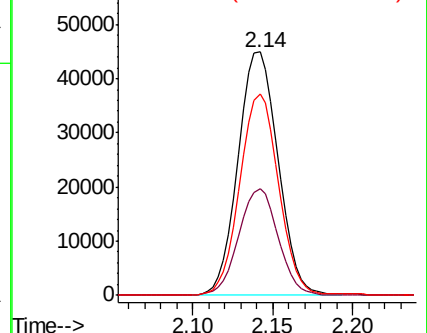
151 80.1 61.2 91.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.796 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

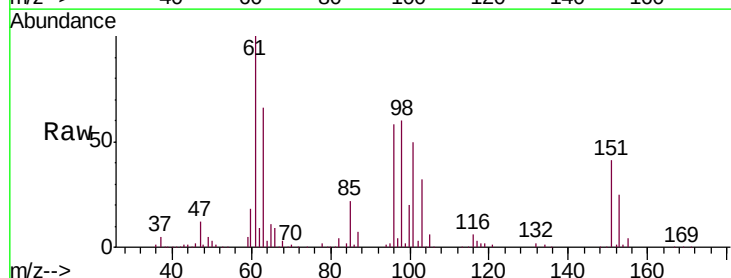
Tgt Ion: 96 Resp: 75375

Ion Ratio Lower Upper

96 100

61 172.2 120.5 223.7

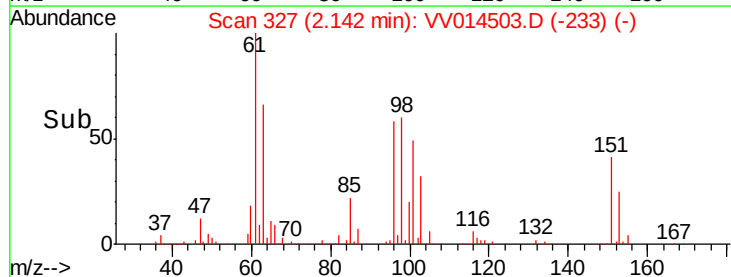
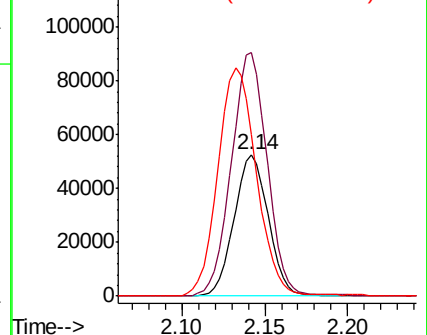
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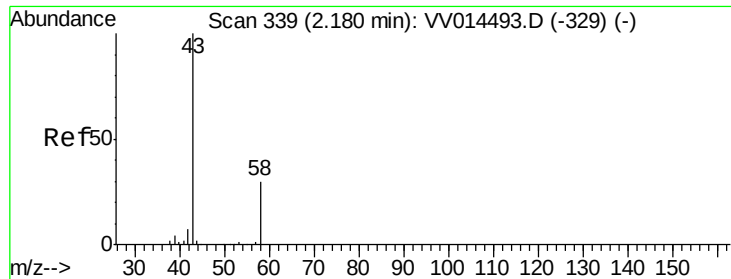


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 71.840 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.01 min

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Instrument :

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ClientSampleId :

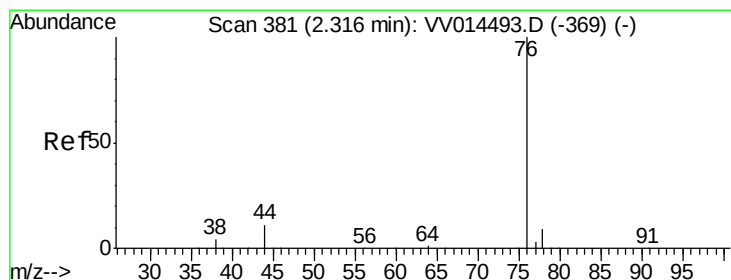
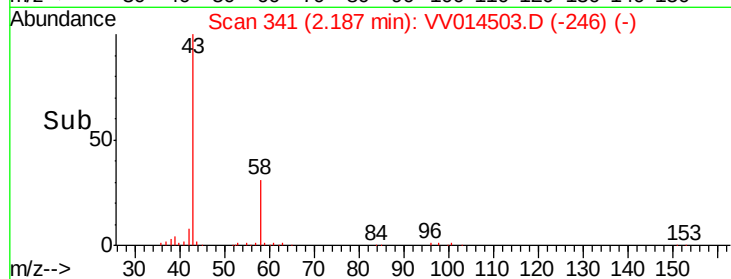
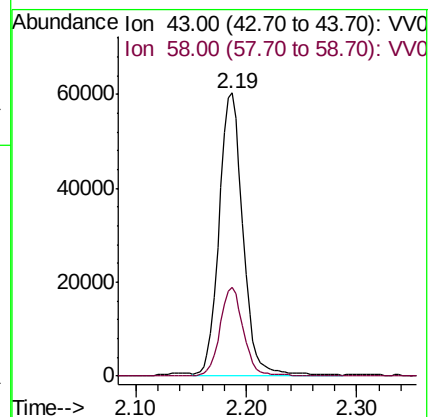
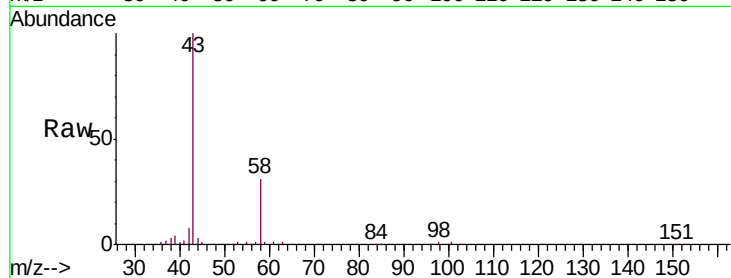
VSTD05092

Tgt Ion: 43 Resp: 89352

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.2



#14

Carbon disulfide

Concen: 47.879 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV014503.D

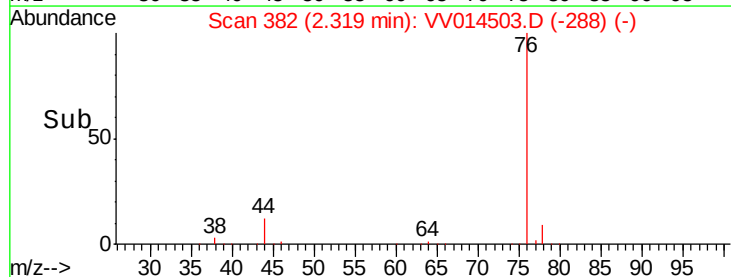
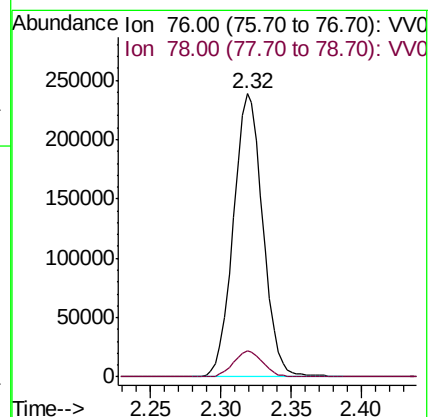
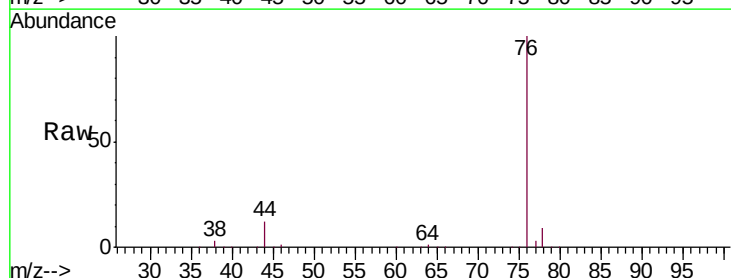
Acq: 04 Feb 2020 19:28

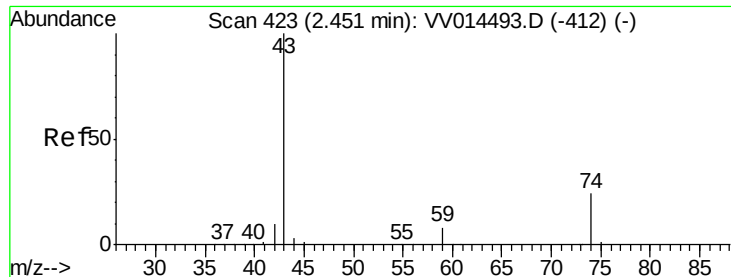
Tgt Ion: 76 Resp: 348937

Ion Ratio Lower Upper

76 100

78 9.0 7.2 10.8

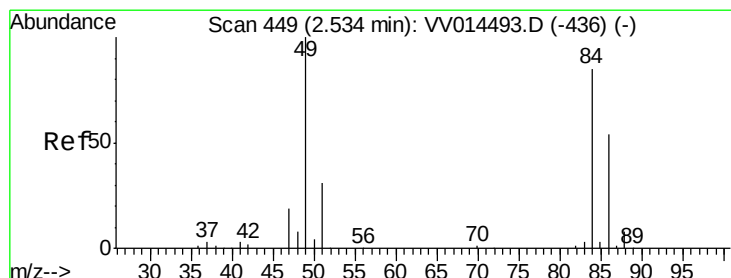
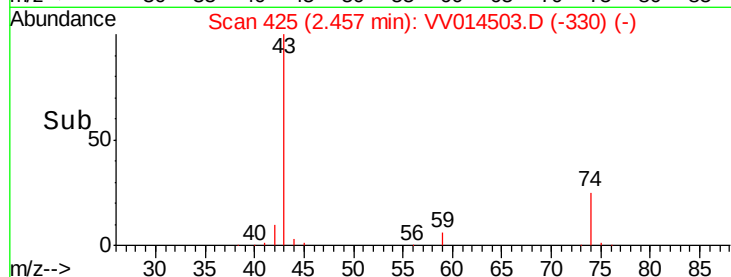
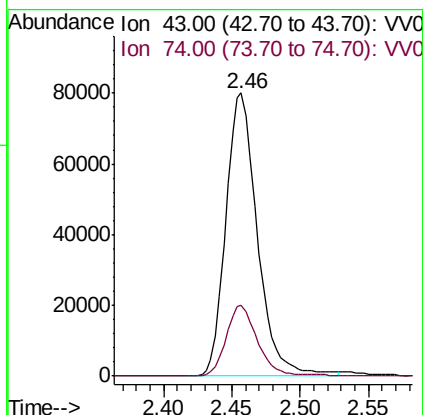
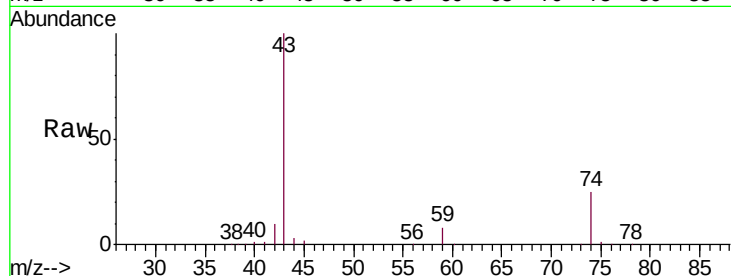




#15
Methyl Acetate
Concen: 53.511 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.01 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

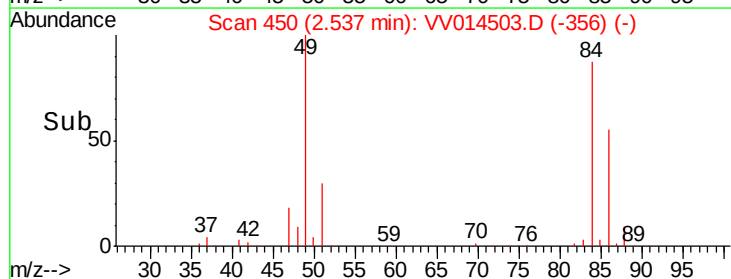
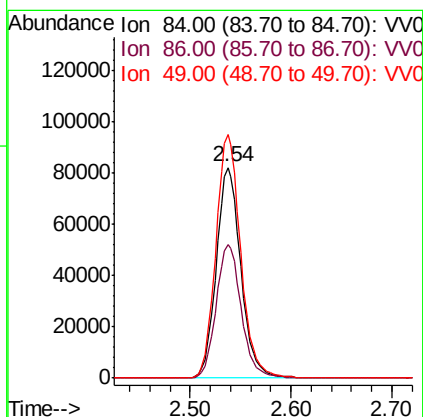
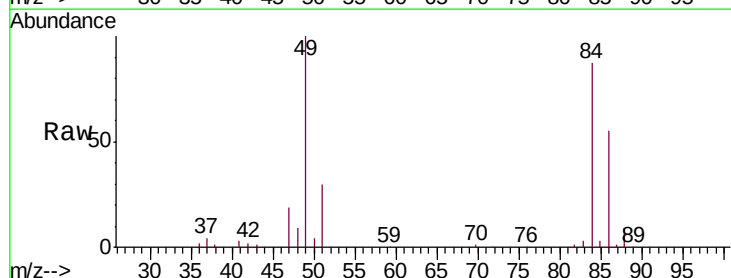
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

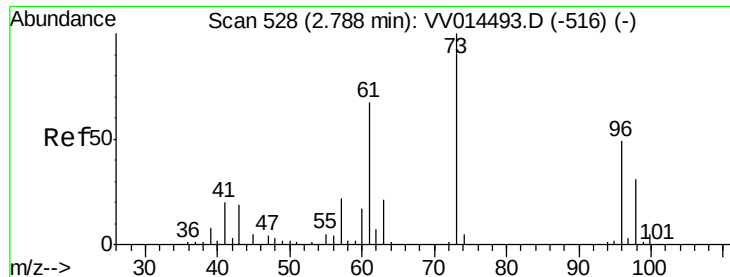
Tgt Ion: 43 Resp: 128256
Ion Ratio Lower Upper
43 100
74 24.4 19.6 29.4



#16
Methylene chloride
Concen: 48.849 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Tgt Ion: 84 Resp: 139570
Ion Ratio Lower Upper
84 100
86 63.5 45.6 84.8
49 115.5 82.7 153.7

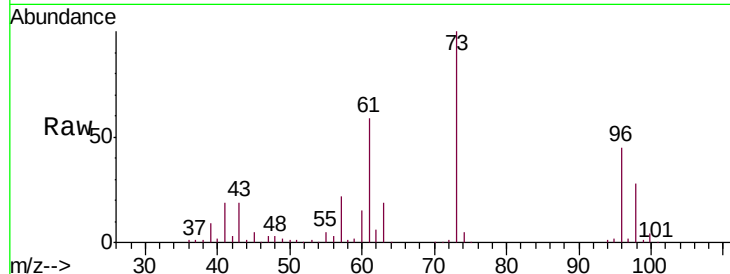




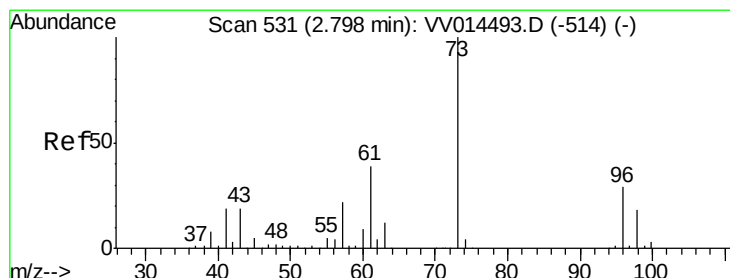
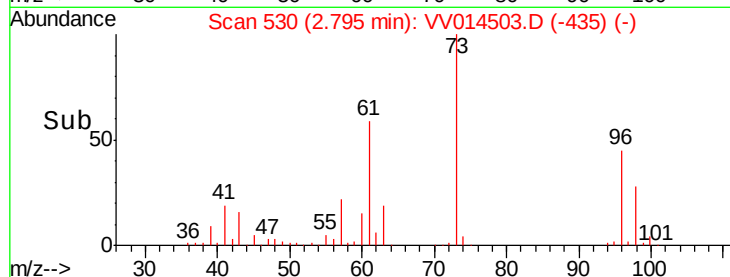
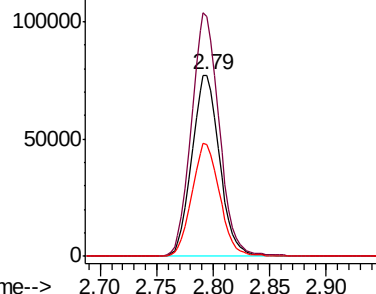
#17
trans-1,2-Dichloroethene
Concen: 51.336 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tgt Ion: 96 Resp: 132128
Ion Ratio Lower Upper
96 100
61 131.8 96.7 179.7
98 61.7 44.1 81.9

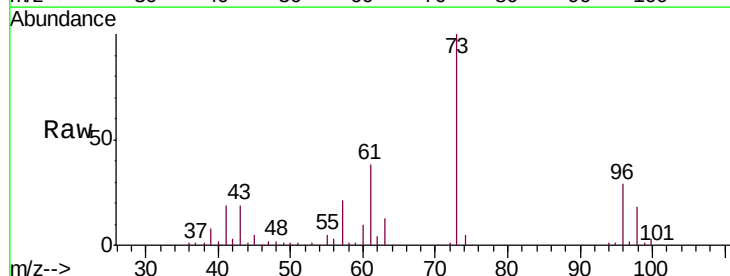


Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0

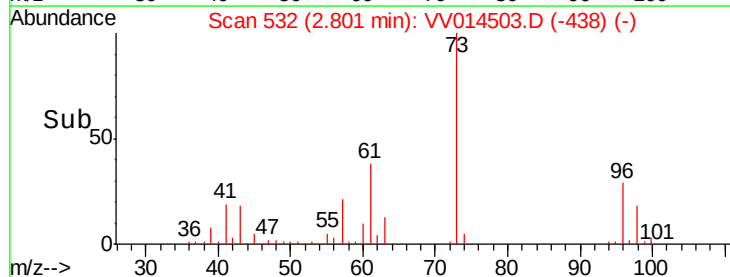
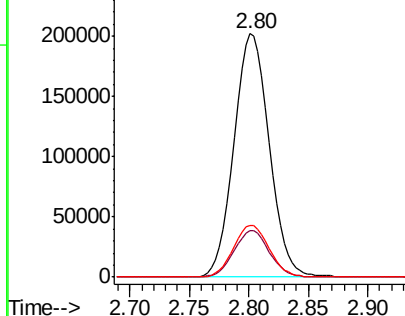


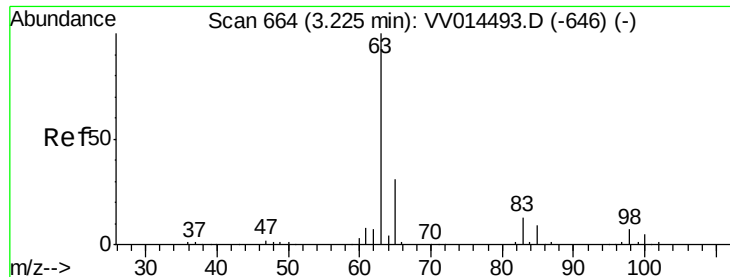
#18
Methyl tert-butyl Ether
Concen: 52.546 ug/L
RT: 2.80 min Scan# 532
Delta R.T. 0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Tgt Ion: 73 Resp: 415997
Ion Ratio Lower Upper
73 100
43 19.0 14.1 21.1
57 21.6 17.9 26.9



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

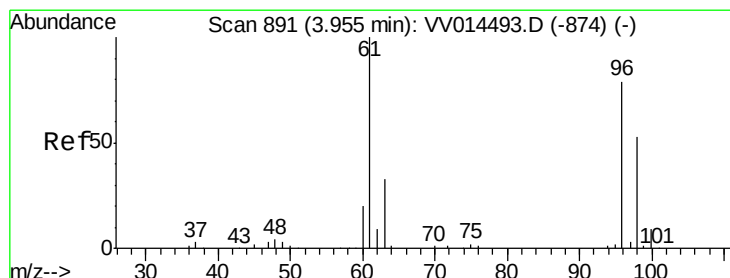
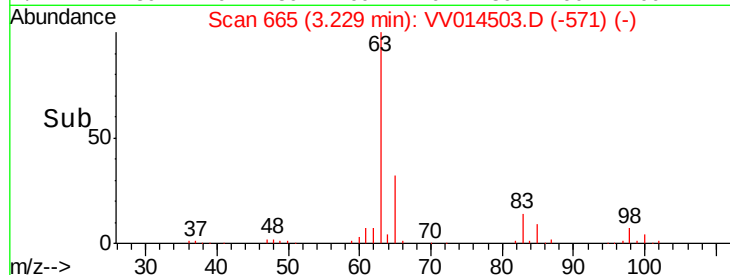
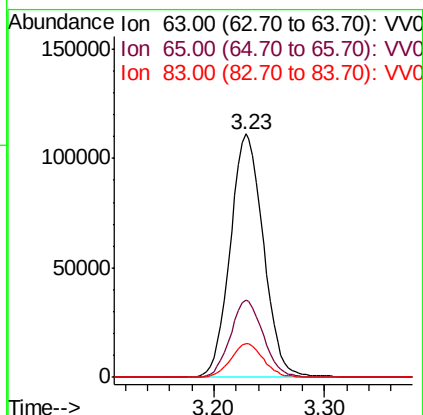
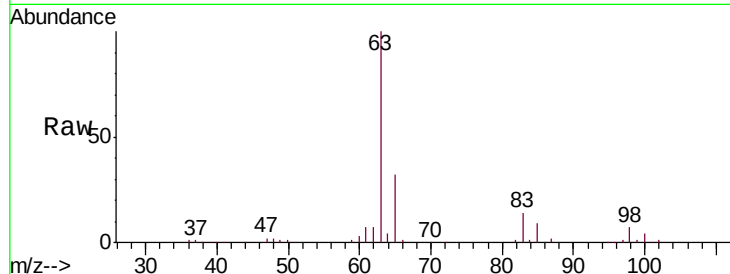




#19
 1,1-Dichloroethane
 Concen: 49.352 ug/L
 RT: 3.23 min Scan# 665
 Delta R.T. 0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

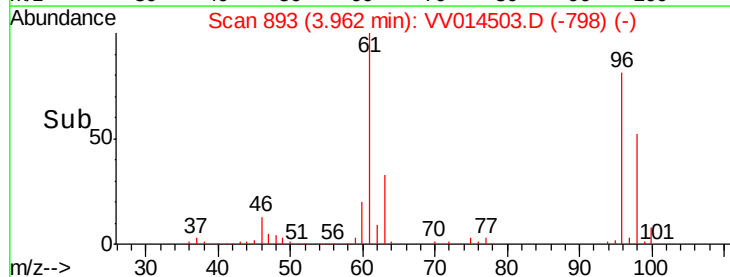
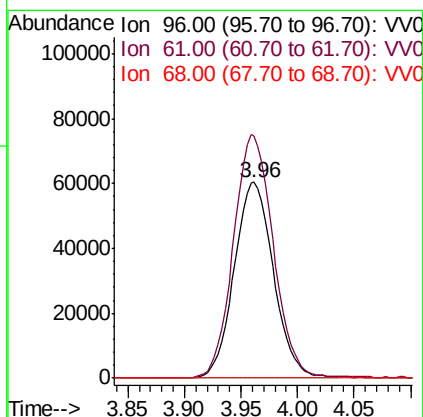
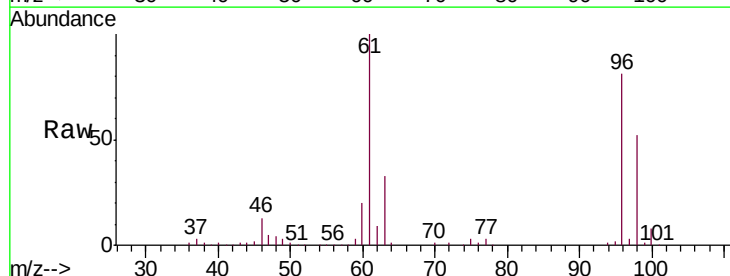
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

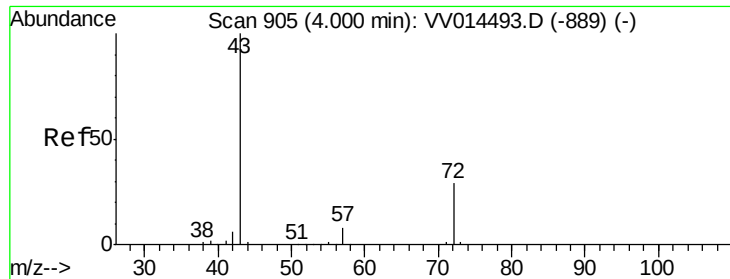
Tgt Ion: 63 Resp: 231779
 Ion Ratio Lower Upper
 63 100
 65 31.6 22.1 41.1
 83 14.0 9.4 17.6



#20
 cis-1,2-Dichloroethene
 Concen: 50.975 ug/L
 RT: 3.96 min Scan# 893
 Delta R.T. 0.01 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

Tgt Ion: 96 Resp: 146324
 Ion Ratio Lower Upper
 96 100
 61 123.7 88.9 165.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 96.640 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.01 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

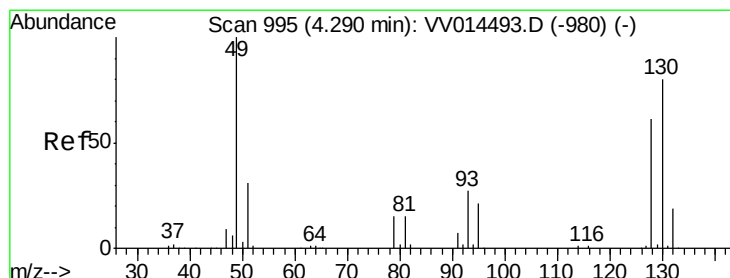
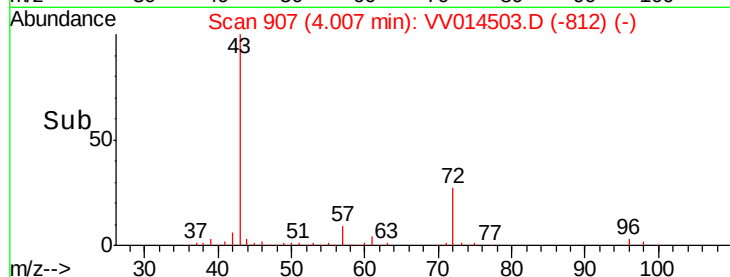
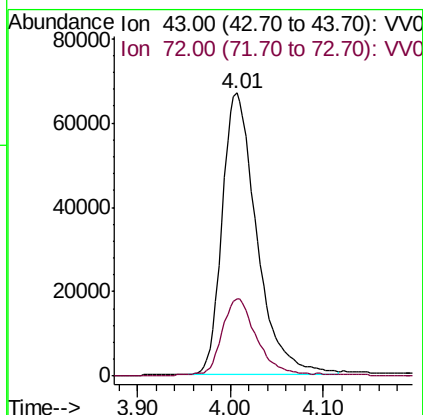
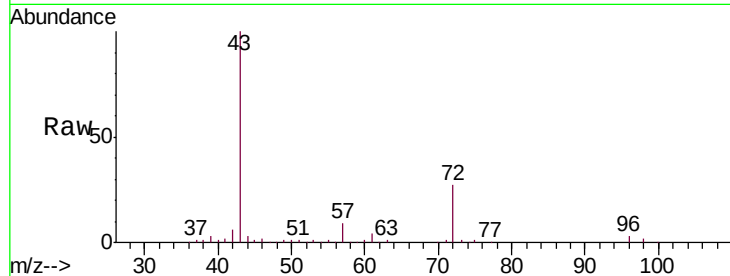
VSTD05092

Tgt Ion: 43 Resp: 173197

Ion Ratio Lower Upper

43 100

72 26.9 13.8 41.3



#23

Bromochloromethane

Concen: 52.281 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.01 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Tgt Ion: 128 Resp: 70354

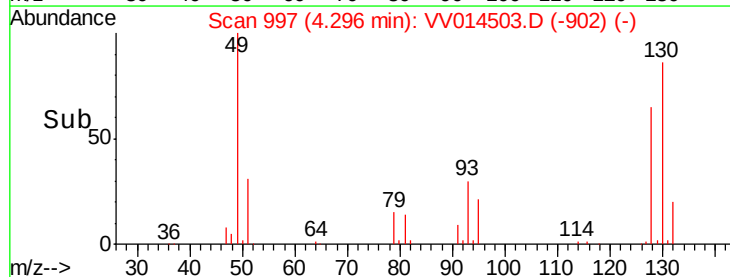
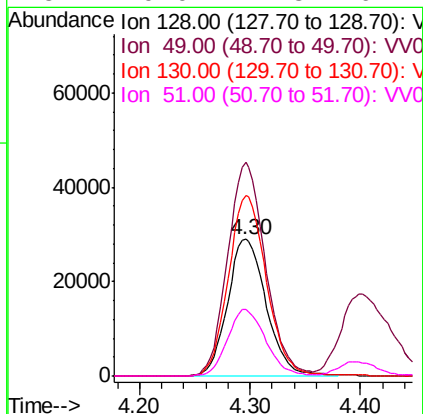
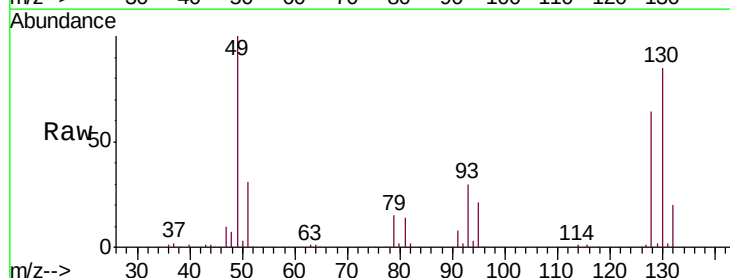
Ion Ratio Lower Upper

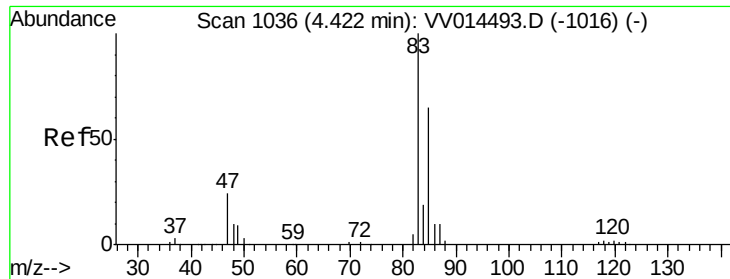
128 100

49 156.4 118.8 220.6

130 132.2 90.7 168.5

51 49.0 42.8 64.2

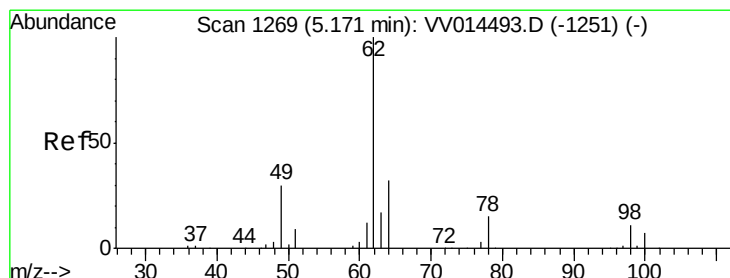
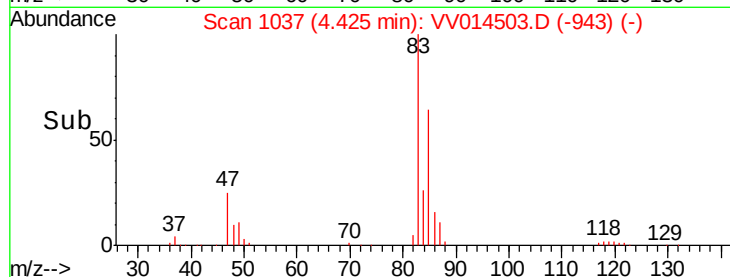
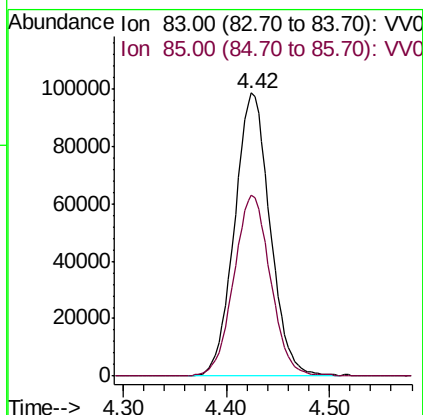
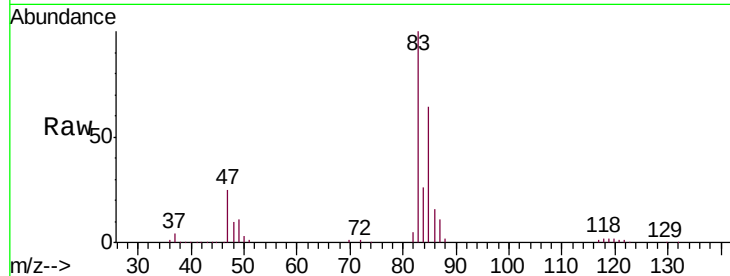




#25
Chloroform
Concen: 49.937 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

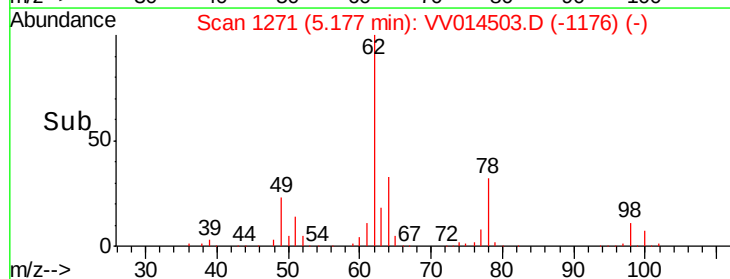
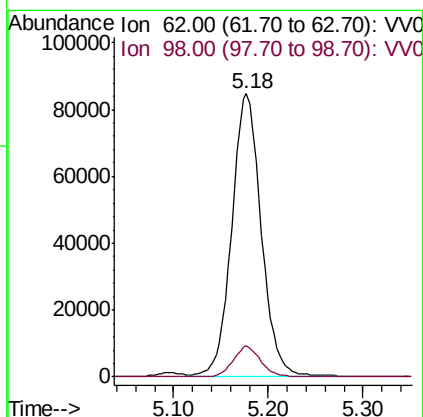
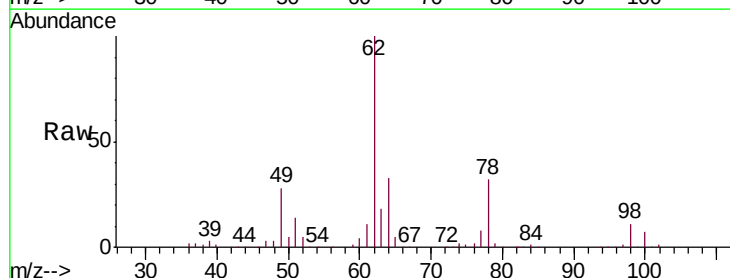
Instrument :
MSVOA_V
ClientSampled :
VSTD05092

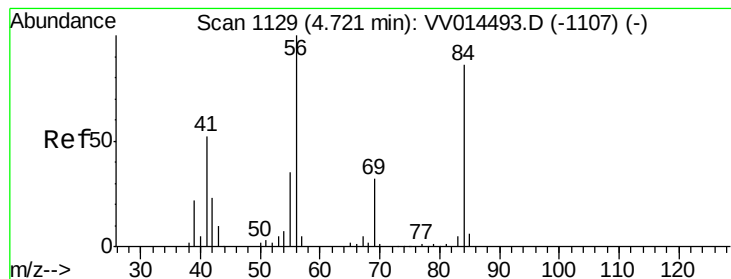
Tgt Ion: 83 Resp: 236232
Ion Ratio Lower Upper
83 100
85 63.9 45.1 83.7



#27
1,2-Dichloroethane
Concen: 54.308 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.01 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Tgt Ion: 62 Resp: 182655
Ion Ratio Lower Upper
62 100
98 11.0 8.0 12.0





#29

Cyclohexane

Concen: 48.466 ug/L

RT: 4.72 min Scan# 1130

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

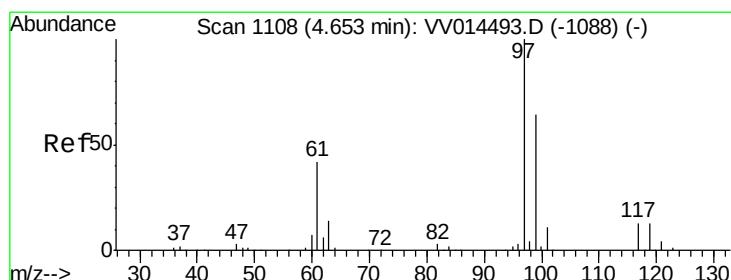
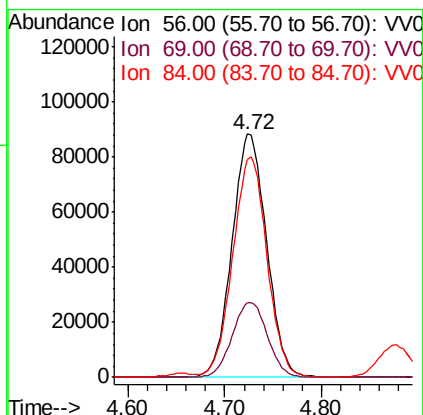
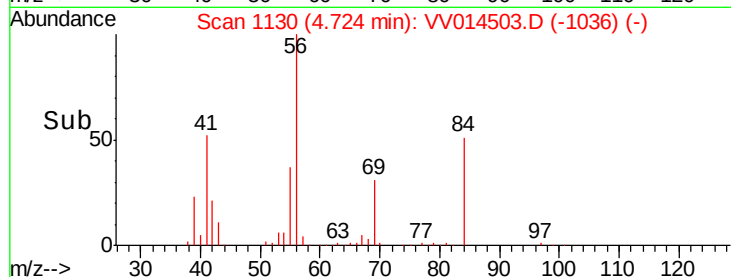
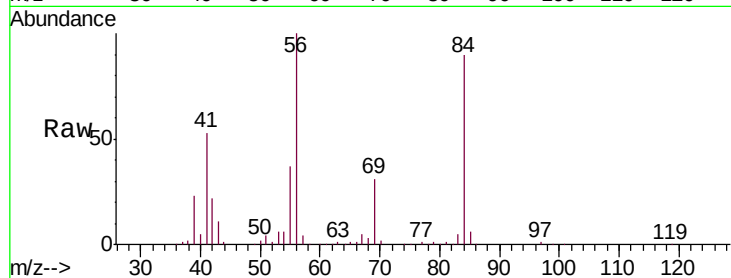
Tgt Ion: 56 Resp: 218985

Ion Ratio Lower Upper

56 100

69 31.5 24.9 37.3

84 89.5 68.6 103.0



#30

1,1,1-Trichloroethane

Concen: 53.164 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.01 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

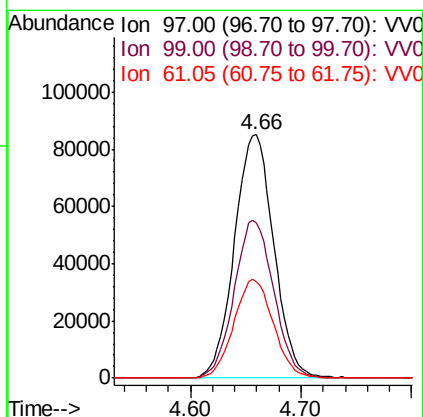
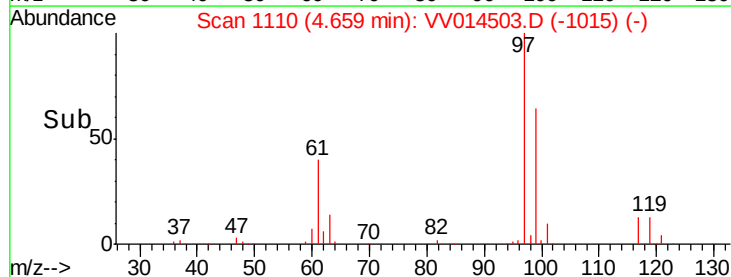
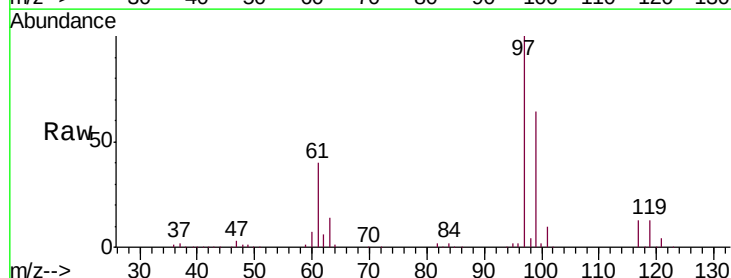
Tgt Ion: 97 Resp: 210700

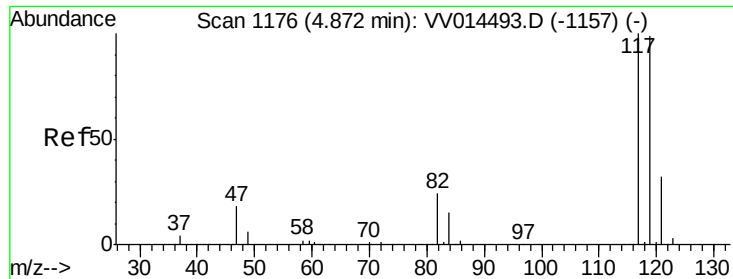
Ion Ratio Lower Upper

97 100

99 65.1 50.6 76.0

61 40.8 33.0 49.4





#31

Carbon tetrachloride

Concen: 53.744 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

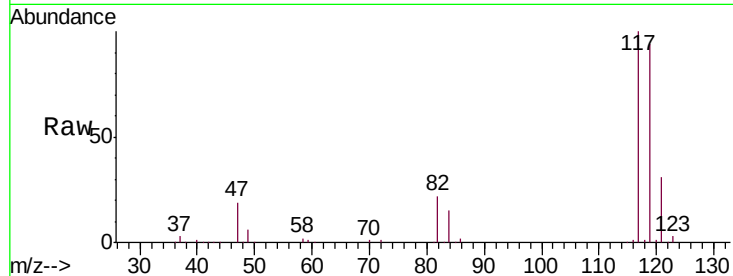
VSTD05092

Tgt Ion:117 Resp: 185847

Ion Ratio Lower Upper

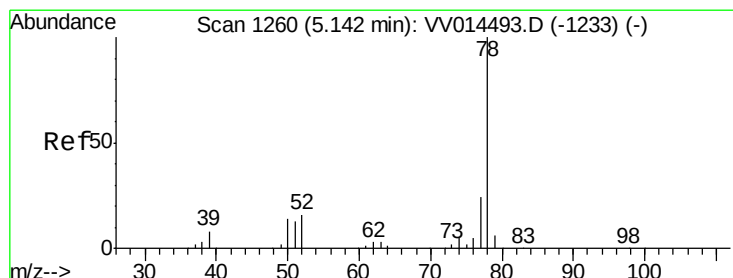
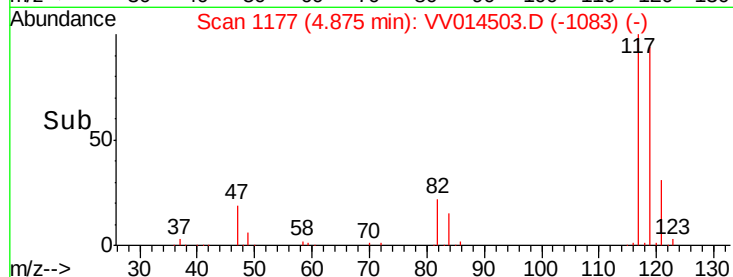
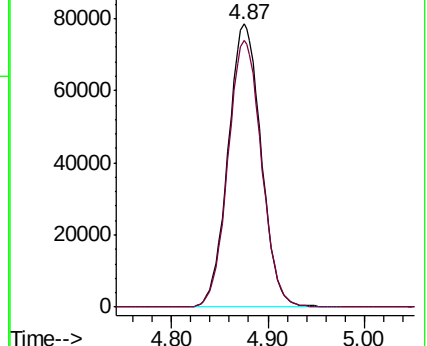
117 100

119 95.4 77.8 116.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 49.503 ug/L

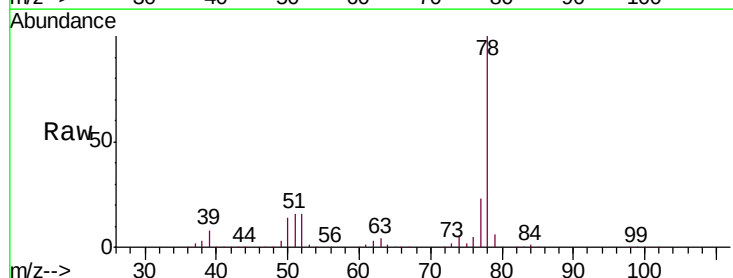
RT: 5.14 min Scan# 1261

Delta R.T. 0.00 min

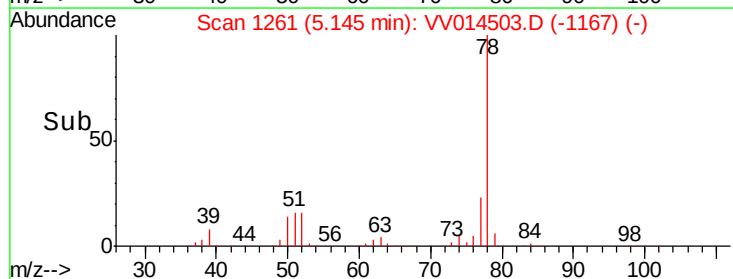
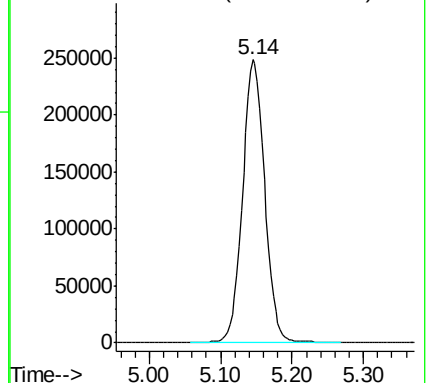
Lab File: VV014503.D

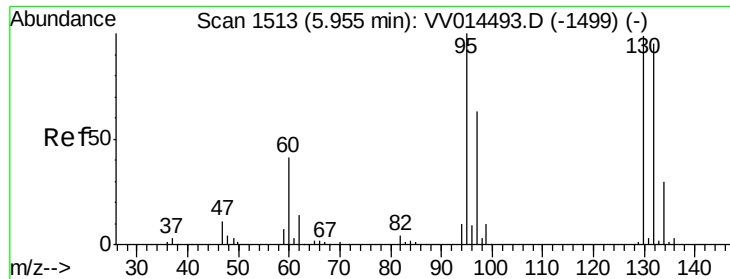
Acq: 04 Feb 2020 19:28

Tgt Ion: 78 Resp: 540208



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 52.113 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

Tgt Ion: 95 Resp: 143635

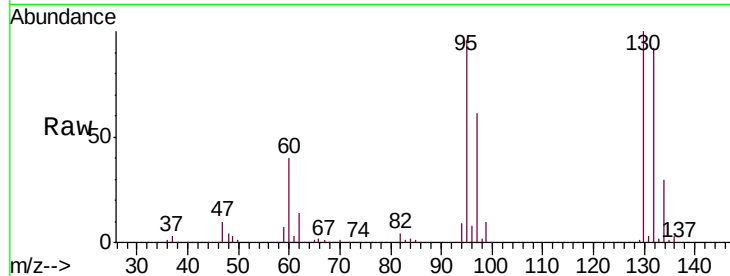
Ion Ratio Lower Upper

95 100

97 64.0 44.7 83.1

132 95.5 65.4 121.4

130 104.1 67.7 125.7

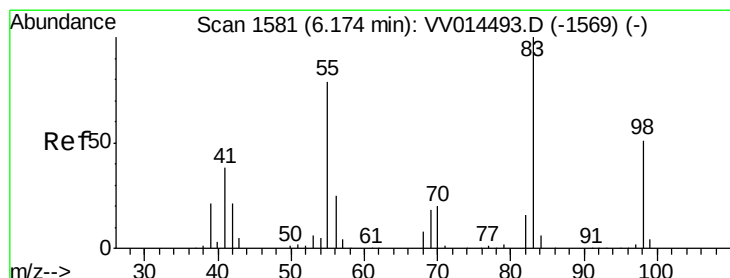
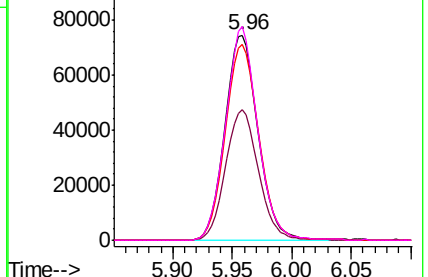
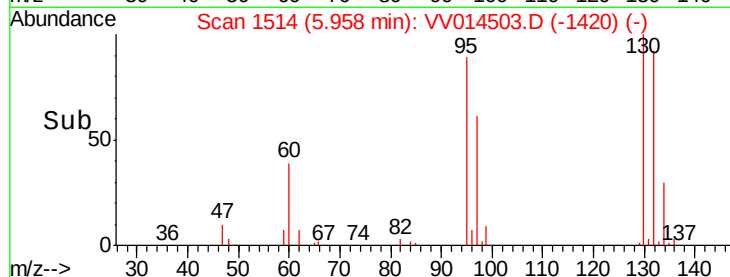


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 49.305 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

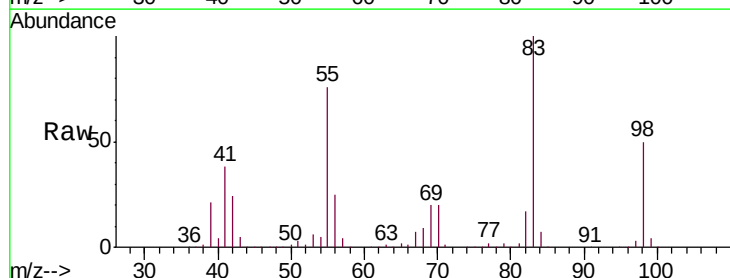
Tgt Ion: 83 Resp: 225803

Ion Ratio Lower Upper

83 100

55 74.8 60.4 90.6

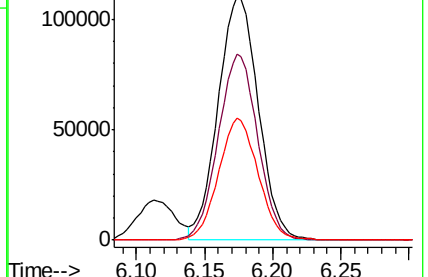
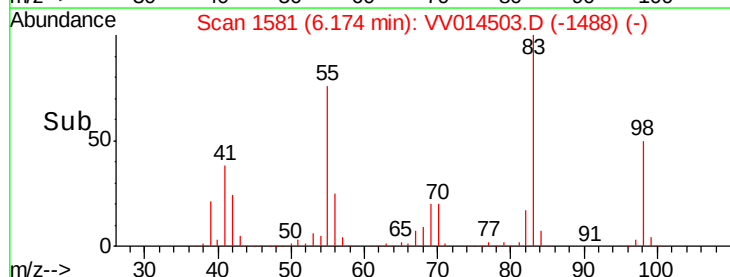
98 49.2 39.2 58.8

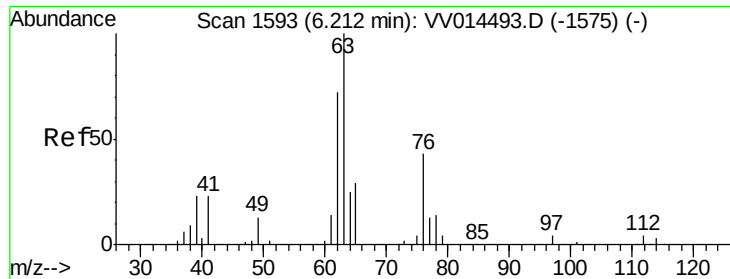


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

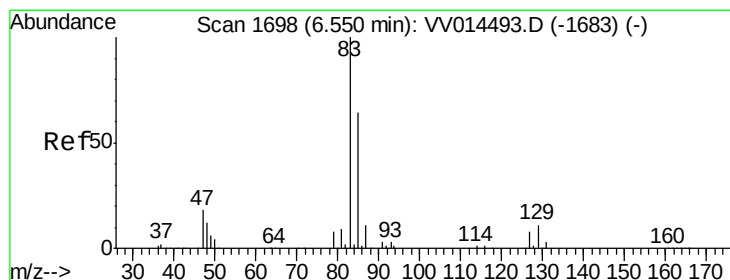
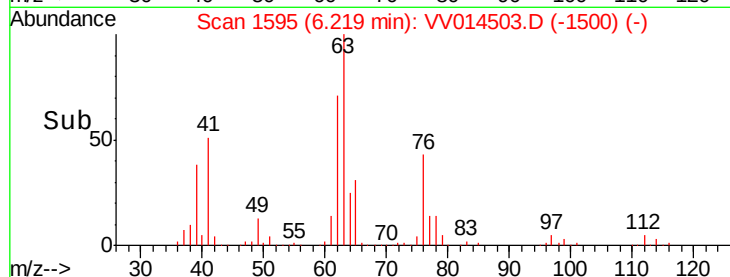
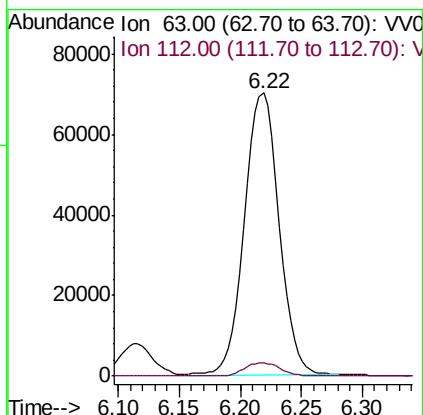
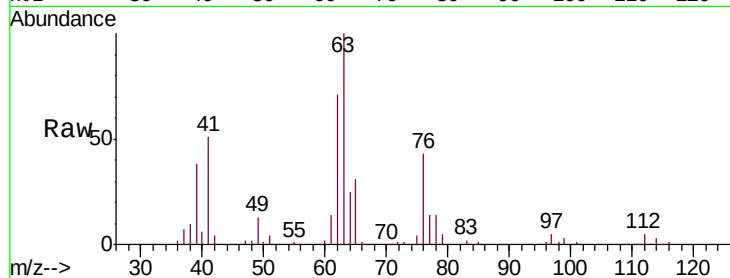




#37
 1,2-Dichloropropane
 Concen: 50.275 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.01 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

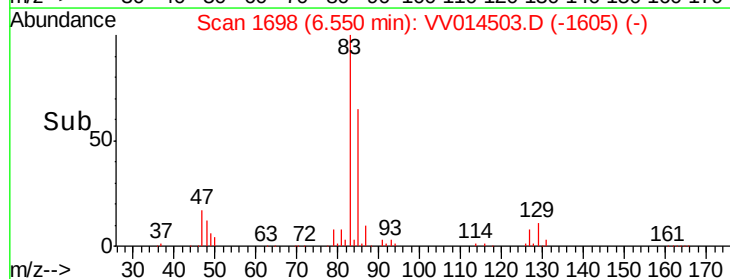
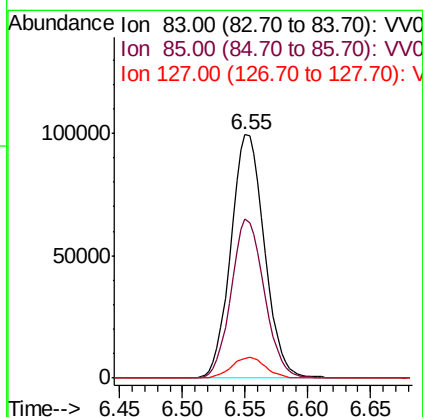
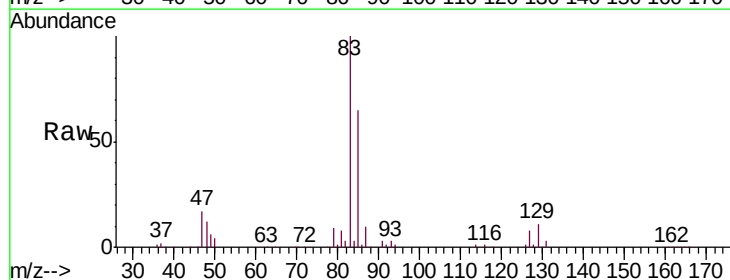
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

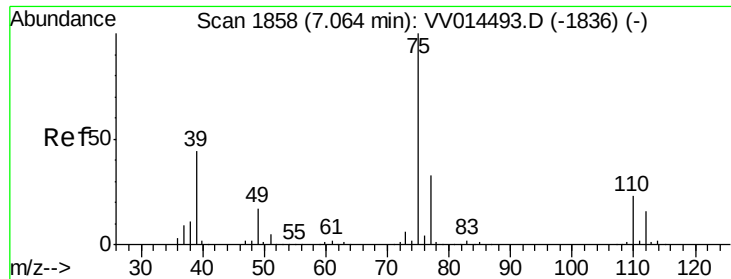
Tgt Ion: 63 Resp: 137105
 Ion Ratio Lower Upper
 63 100
 112 4.9 3.8 5.6



#38
 Bromodichloromethane
 Concen: 50.773 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

Tgt Ion: 83 Resp: 185390
 Ion Ratio Lower Upper
 83 100
 85 65.1 44.9 83.3
 127 8.1 6.3 9.5

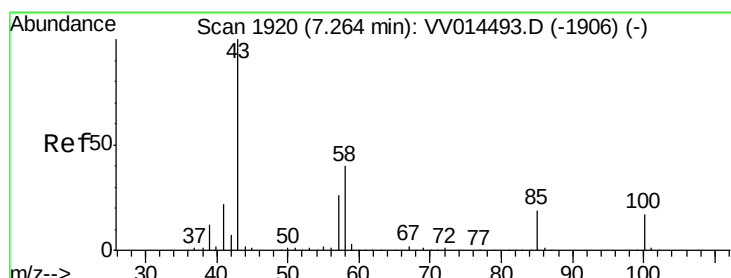
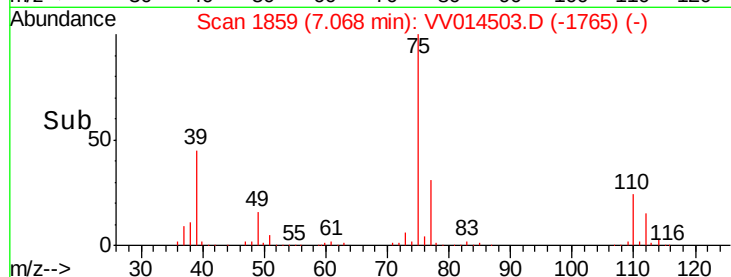
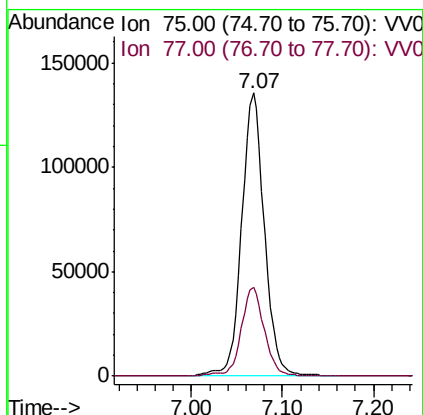
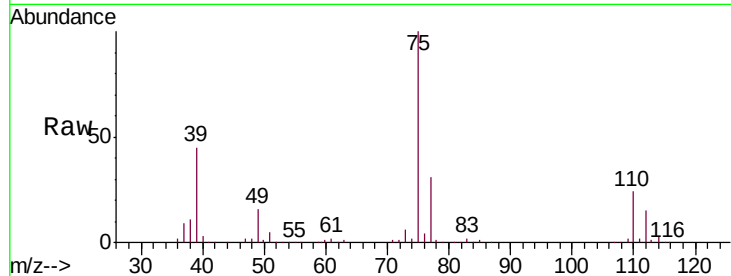




#39
 cis-1,3-Dichloropropene
 Concen: 52.648 ug/L
 RT: 7.07 min Scan# 1859
 Delta R.T. 0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

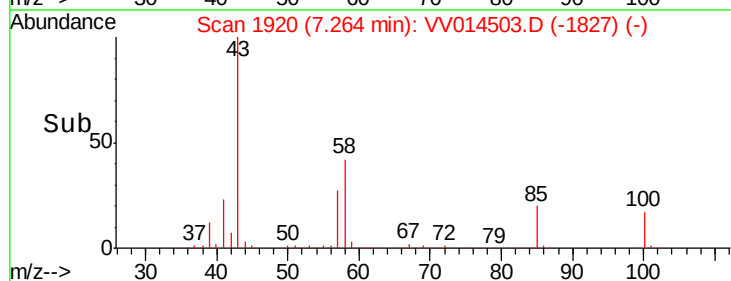
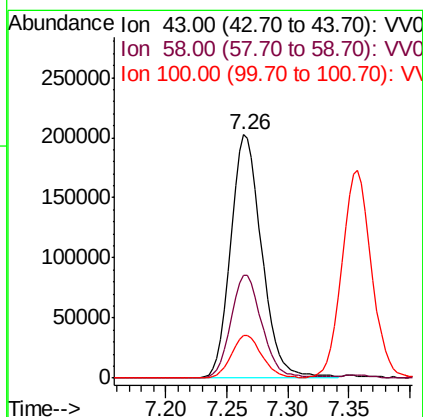
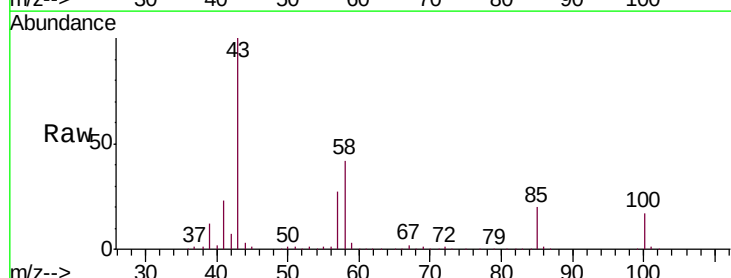
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

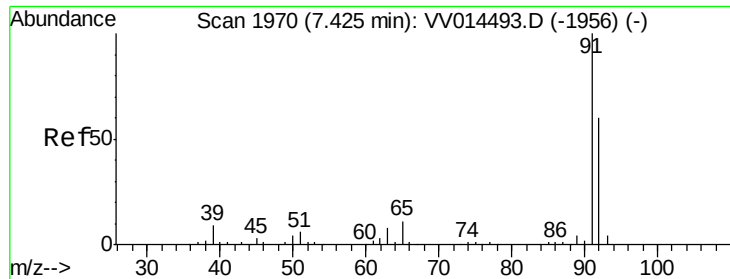
Tgt Ion: 75 Resp: 236088
 Ion Ratio Lower Upper
 75 100
 77 31.3 22.7 42.3



#40
 4-Methyl-2-pentanone
 Concen: 109.063 ug/L
 RT: 7.26 min Scan# 1920
 Delta R.T. -0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

Tgt Ion: 43 Resp: 359577
 Ion Ratio Lower Upper
 43 100
 58 42.3 31.9 47.9
 100 17.3 12.2 18.4





#42

Toluene

Concen: 51.275 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

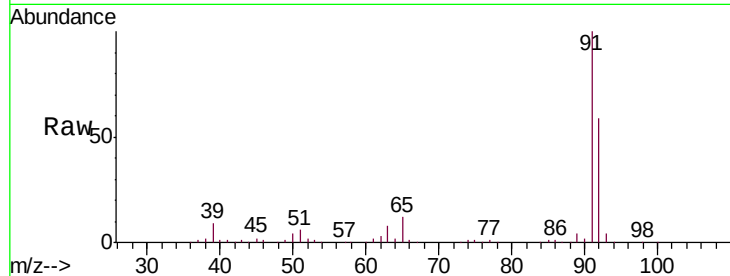
VSTD05092

Tgt Ion: 91 Resp: 585750

Ion Ratio Lower Upper

91 100

92 59.0 41.0 76.2



Abundance Ion 91.00 (90.70 to 91.70): VV014493.D (-1956) (-)

Ion 92.00 (91.70 to 92.70): VV014493.D (-1956) (-)

7.43

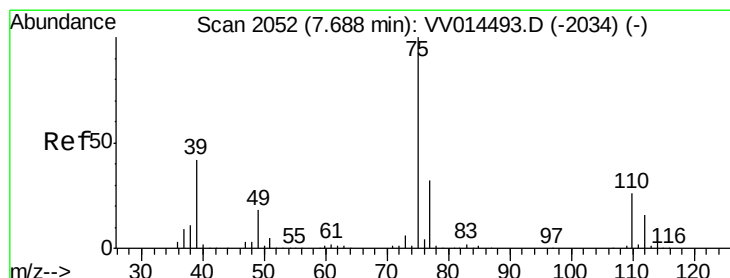
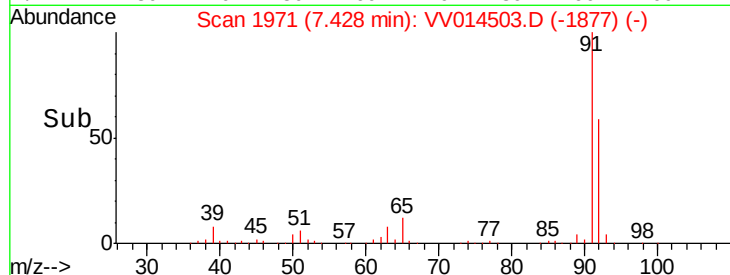
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.794 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV014503.D

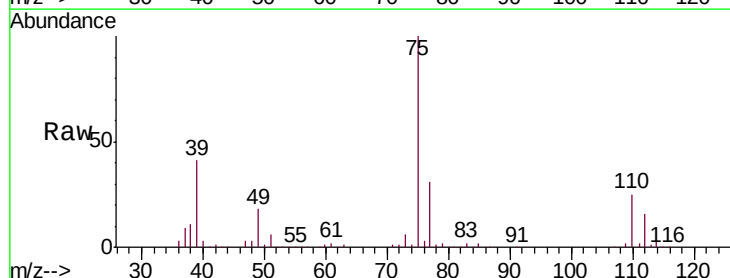
Acq: 04 Feb 2020 19:28

Tgt Ion: 75 Resp: 210246

Ion Ratio Lower Upper

75 100

77 30.9 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VV014493.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV014493.D (-2034) (-)

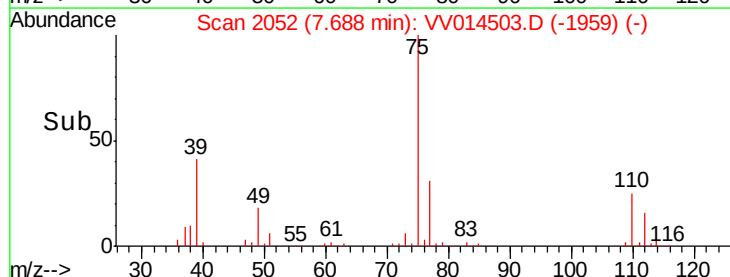
7.69

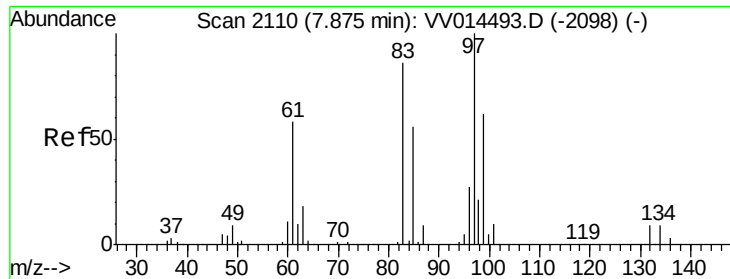
100000

50000

0

Time-->

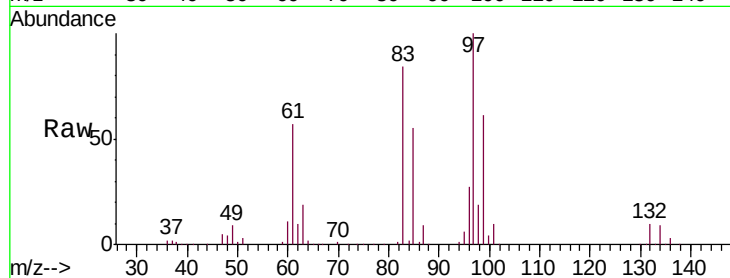




#45
 1,1,2-Trichloroethane
 Concen: 51.503 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

Tgt Ion:	97	Resp:	132704
Ion	Ratio	Lower	Upper
97	100		
99	61.2	43.8	81.3
83	84.2	60.0	111.4
85	55.1	37.2	69.0



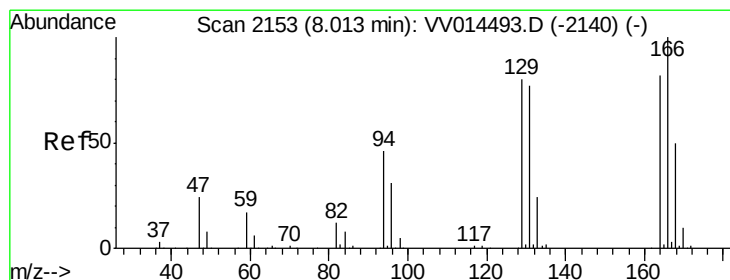
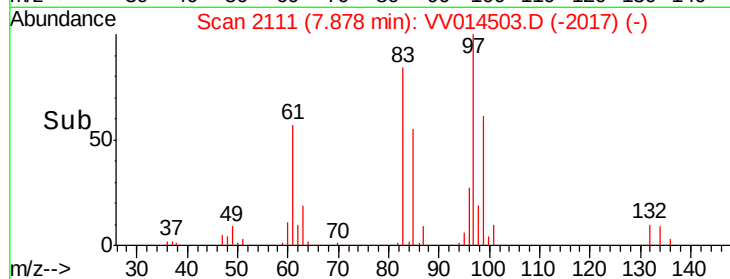
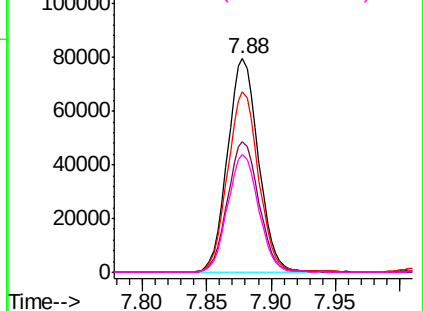
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

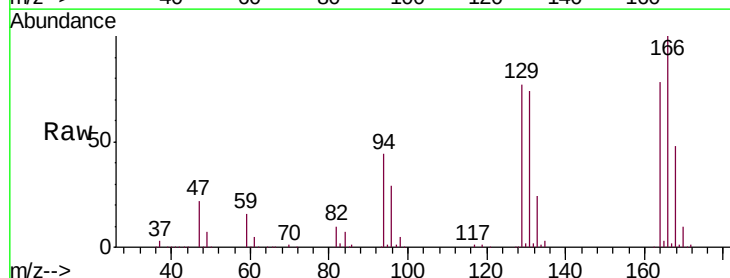
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 54.390 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

Tgt Ion:	164	Resp:	109635
Ion	Ratio	Lower	Upper
164	100		
129	99.0	70.4	130.8
131	94.2	65.5	121.7
166	128.1	89.9	166.9



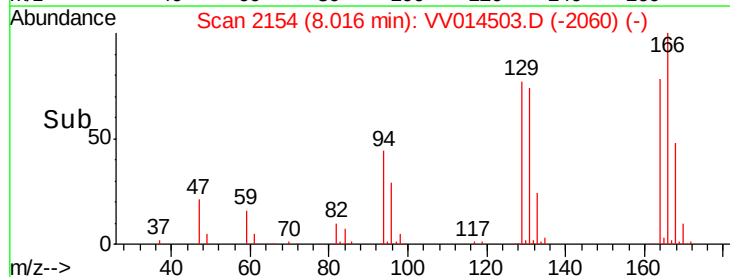
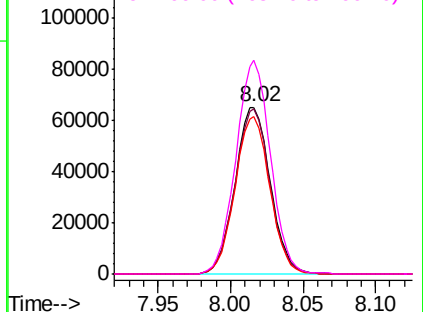
Abundance

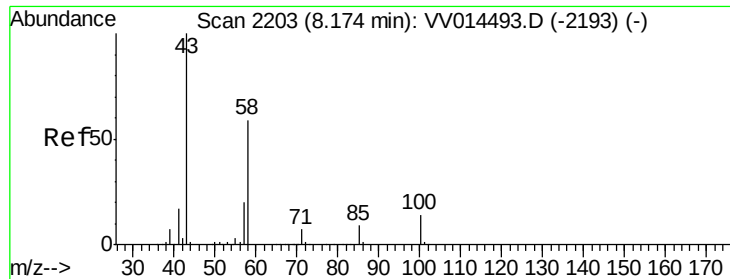
Ion 164.00 (163.70 to 164.70): V

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

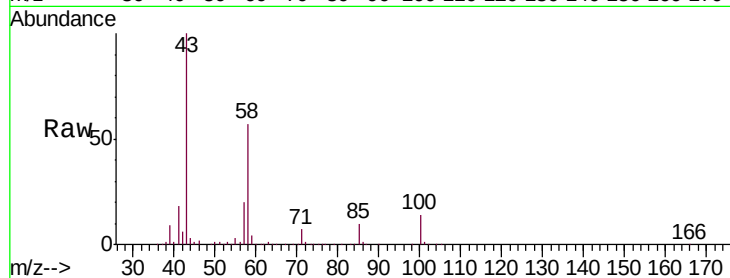




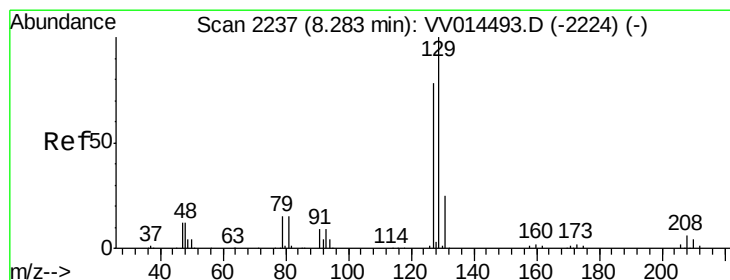
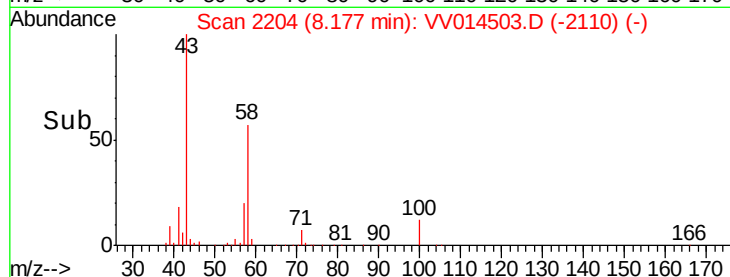
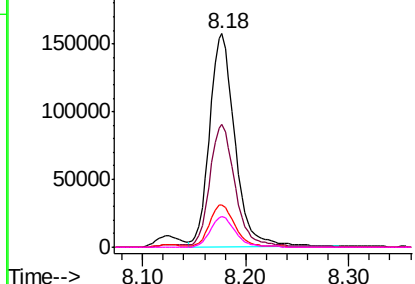
#48
2-Hexanone
Concen: 103.569 ug/L
RT: 8.18 min Scan# 2204
Delta R.T. 0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tgt Ion:	43	Resp:	267105
Ion	Ratio	Lower	Upper
43	100		
58	57.5	48.0	72.0
57	20.4	15.0	22.6
100	14.4	10.4	15.6

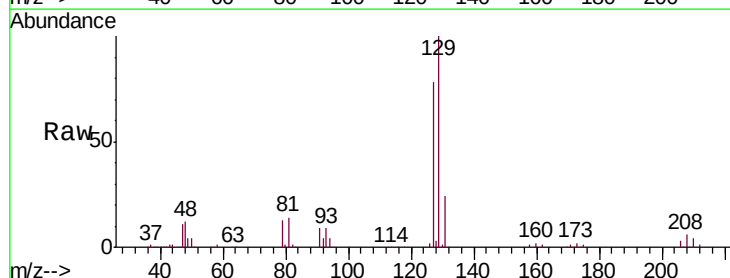


Abundance Ion 43.00 (42.70 to 43.70): VV014493.D (-2193) (-)
Ion 58.00 (57.70 to 58.70): VV014493.D (-2193) (-)
Ion 57.00 (56.70 to 57.70): VV014493.D (-2193) (-)
Ion 100.00 (99.70 to 100.70): VV014493.D (-2193) (-)

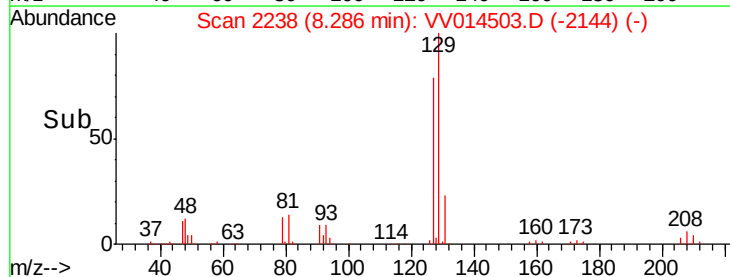
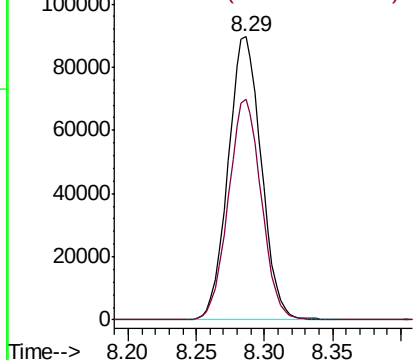


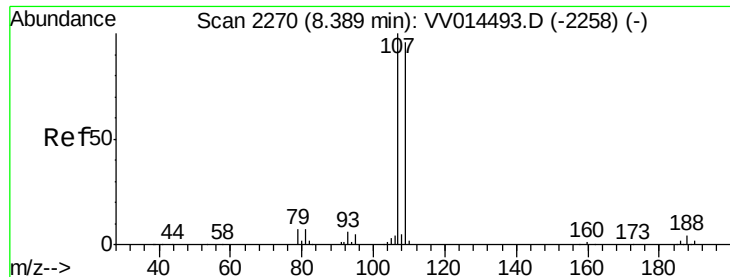
#49
Dibromochloromethane
Concen: 53.348 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Tgt Ion:	129	Resp:	151235
Ion	Ratio	Lower	Upper
129	100		
127	78.1	55.1	102.3



Abundance Ion 129.00 (128.70 to 129.70): VV014493.D (-2224) (-)
Ion 127.00 (126.70 to 127.70): VV014493.D (-2224) (-)

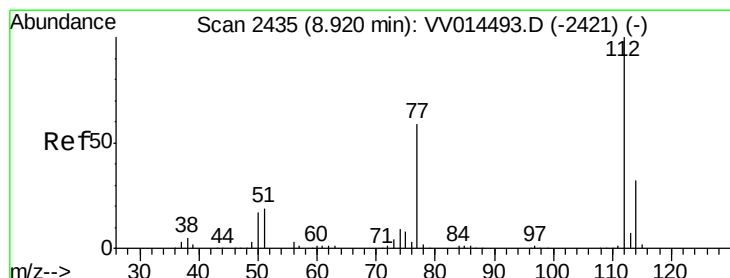
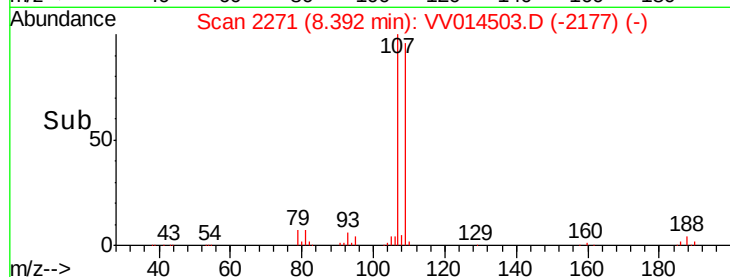
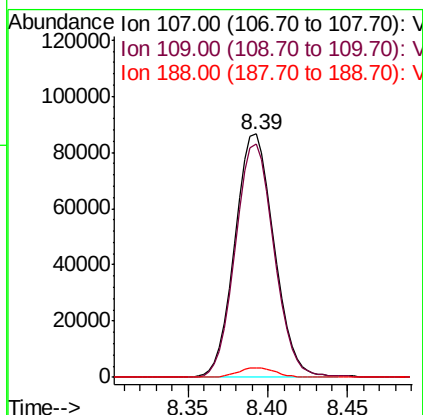
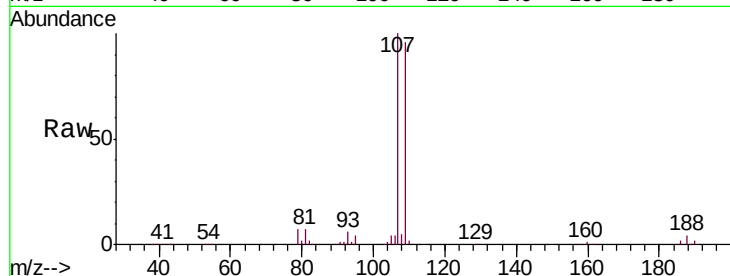




#50
1,2-Dibromoethane
Concen: 52.717 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

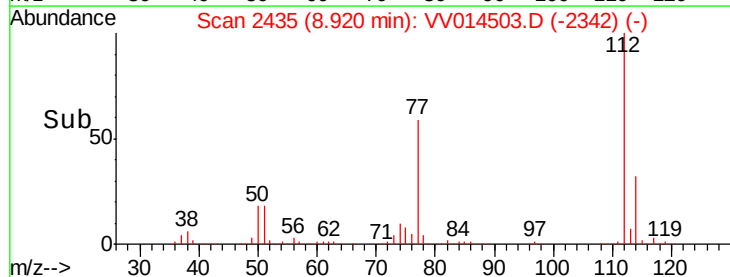
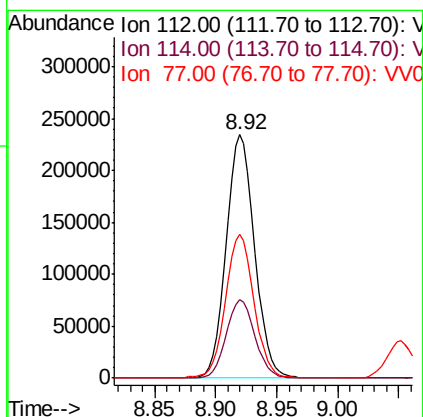
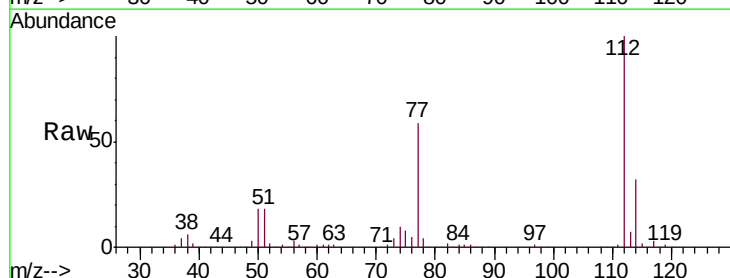
Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

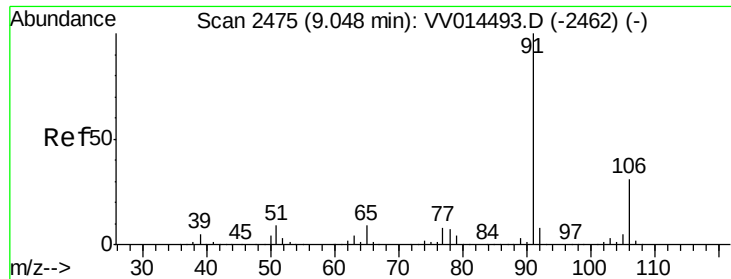
Tgt Ion:107 Resp: 144623
Ion Ratio Lower Upper
107 100
109 96.0 65.5 121.7
188 3.8 2.6 3.8



#51
Chlorobenzene
Concen: 52.303 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Tgt Ion:112 Resp: 382220
Ion Ratio Lower Upper
112 100
114 32.0 22.5 41.9
77 58.8 47.5 71.3





#52

Ethylbenzene

Concen: 51.320 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

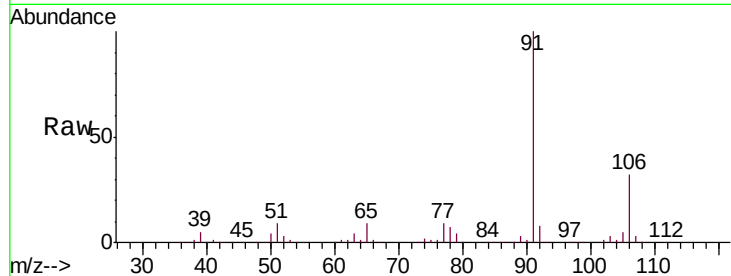
VSTD05092

Tgt Ion: 91 Resp: 657993

Ion Ratio Lower Upper

91 100

106 31.9 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV014493.D (-2462) (-)

Ion 106.00 (105.70 to 106.70): VV014493.D (-2462) (-)

9.05

400000

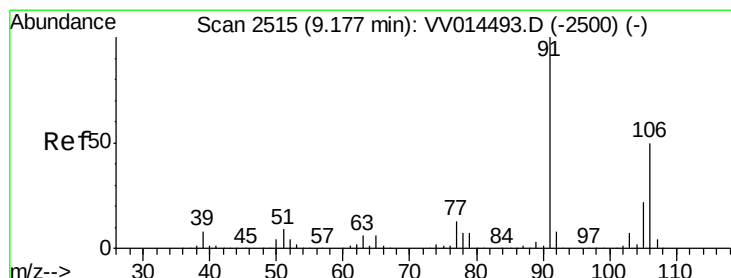
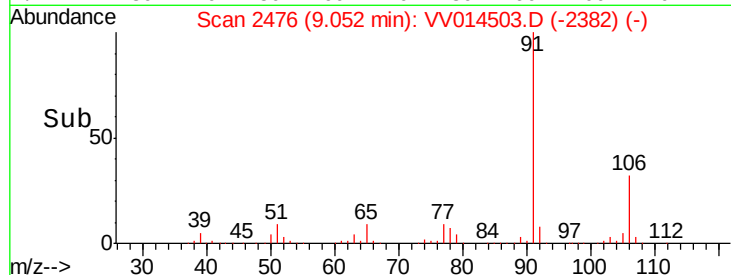
300000

200000

100000

0

Time--> 8.95 9.00 9.05 9.10 9.15



#53

m,p-Xylene

Concen: 52.468 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV014503.D

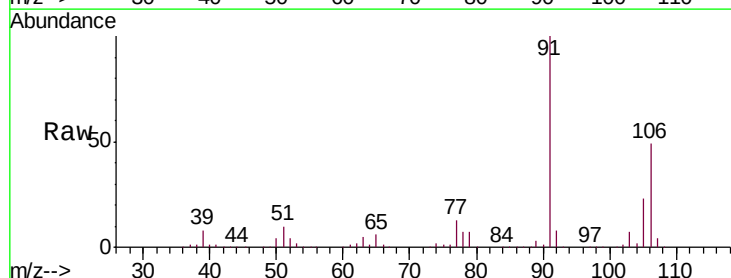
Acq: 04 Feb 2020 19:28

Tgt Ion: 106 Resp: 251196

Ion Ratio Lower Upper

106 100

91 202.5 140.9 261.7



Abundance Ion 106.00 (105.70 to 106.70): VV014493.D (-2500) (-)

Ion 91.00 (90.70 to 91.70): VV014493.D (-2500) (-)

9.18

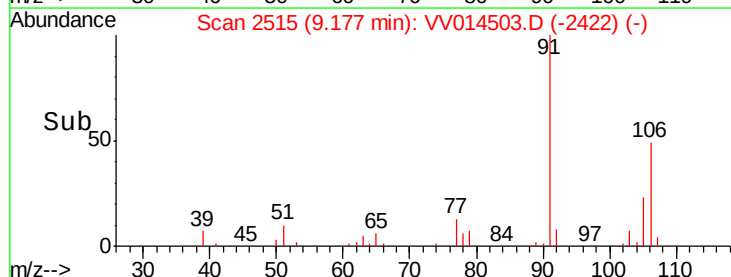
300000

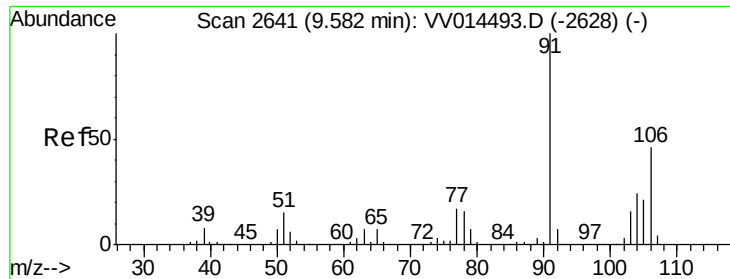
200000

100000

0

Time--> 9.10 9.15 9.20 9.25

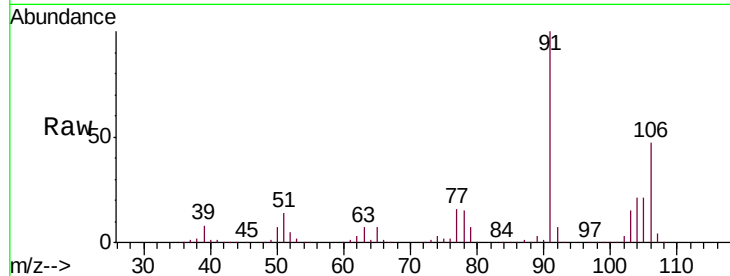




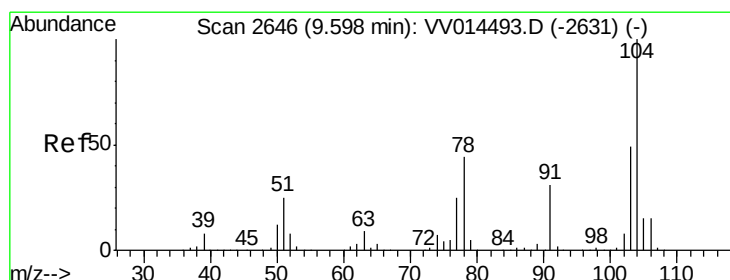
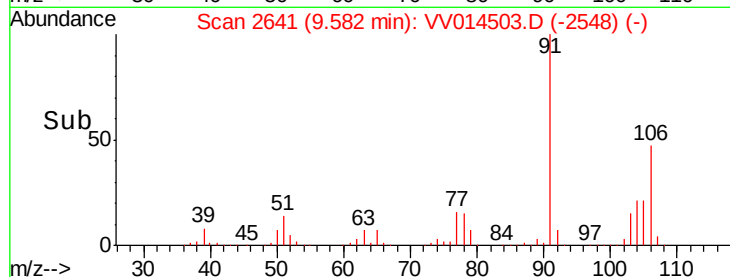
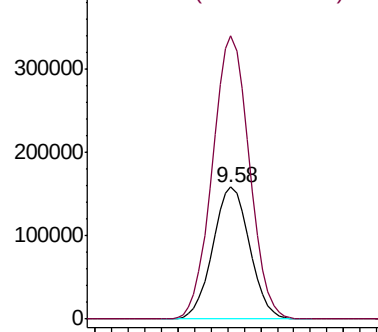
#54
o-xylene
Concen: 51.704 ug/L
RT: 9.58 min Scan# 2641
Delta R.T. -0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Instrument :
MSVOA_V
ClientSampleId :
VSTD05092

Tgt Ion:106 Resp: 245279
Ion Ratio Lower Upper
106 100
91 214.6 150.4 279.2

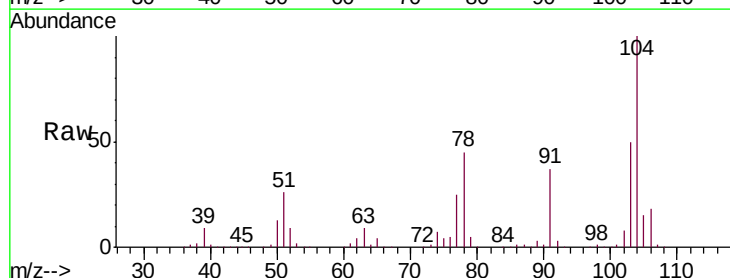


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

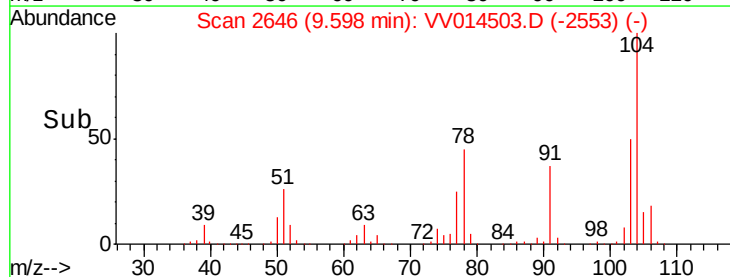
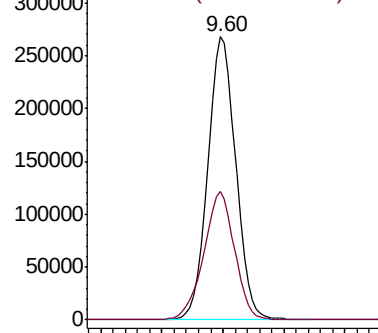


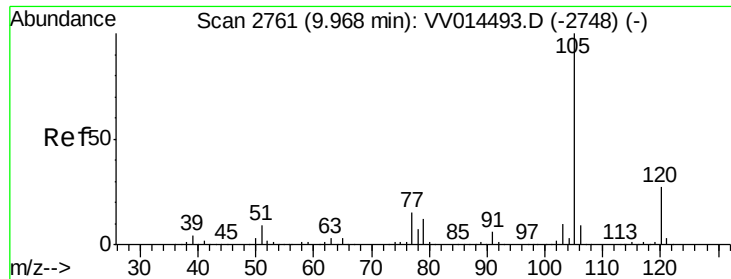
#55
Styrene
Concen: 53.607 ug/L
RT: 9.60 min Scan# 2646
Delta R.T. -0.00 min
Lab File: VV014503.D
Acq: 04 Feb 2020 19:28

Tgt Ion:104 Resp: 426792
Ion Ratio Lower Upper
104 100
78 45.2 31.3 58.1



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





#56

Isopropylbenzene

Concen: 53.053 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampled :

VSTD05092

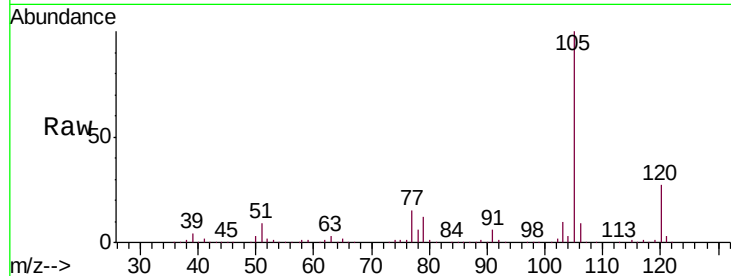
Tgt Ion: 105 Resp: 643521

Ion Ratio Lower Upper

105 100

120 26.7 21.0 31.6

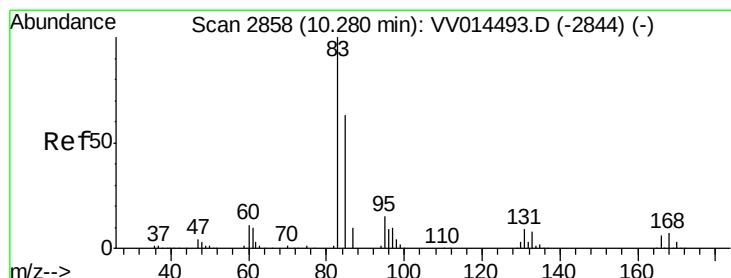
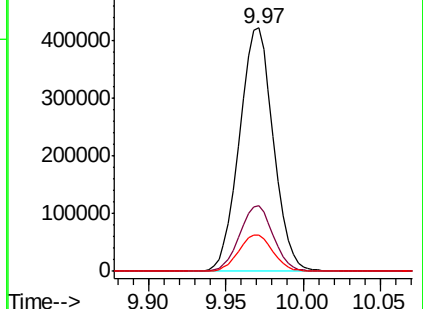
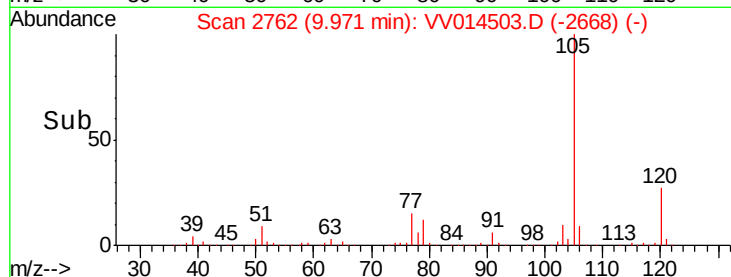
77 15.0 12.5 18.7



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 51.209 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

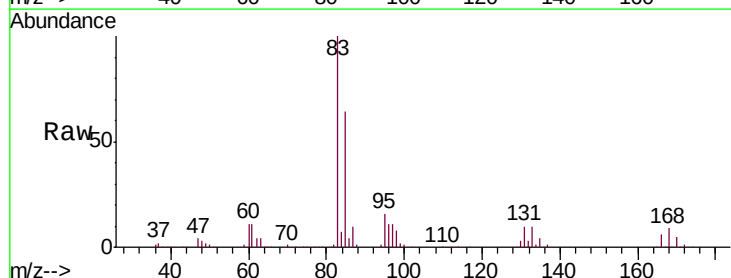
Tgt Ion: 83 Resp: 210788

Ion Ratio Lower Upper

83 100

85 64.2 44.2 82.2

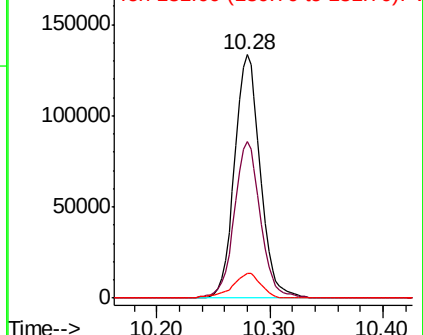
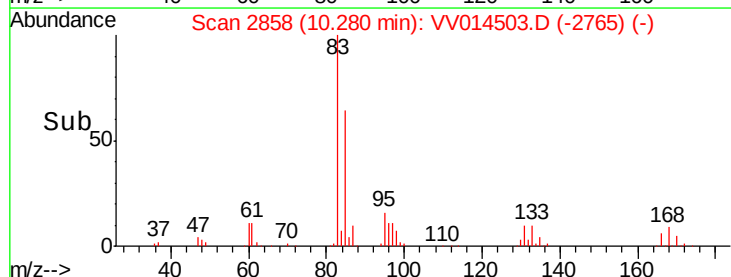
131 10.0 7.6 11.4

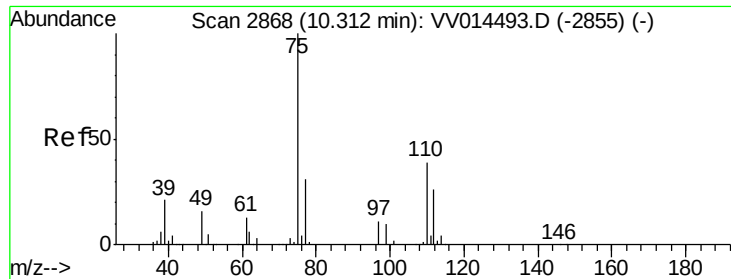


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 51.941 ug/L

RT: 10.31 min Scan# 2868

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

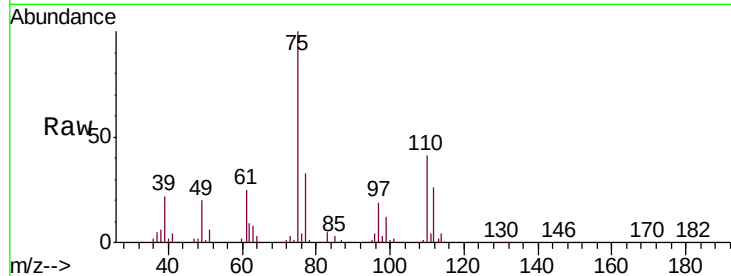
VSTD05092

Tgt Ion: 75 Resp: 167393

Ion Ratio Lower Upper

75 100

77 32.1 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV014493.D (-2855) (-)

Ion 77.00 (76.70 to 77.70): VV014493.D (-2855) (-)

10.31

120000

100000

80000

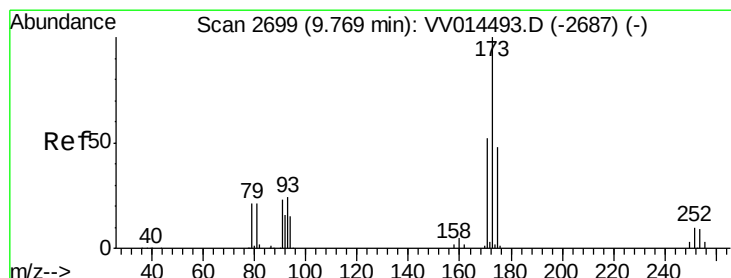
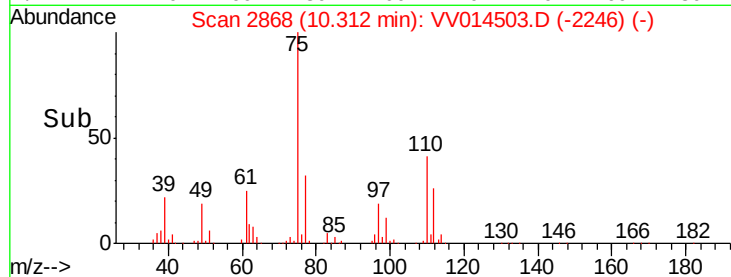
60000

40000

20000

0

Time-->



#61

Bromoform

Concen: 53.157 ug/L

RT: 9.77 min Scan# 2699

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

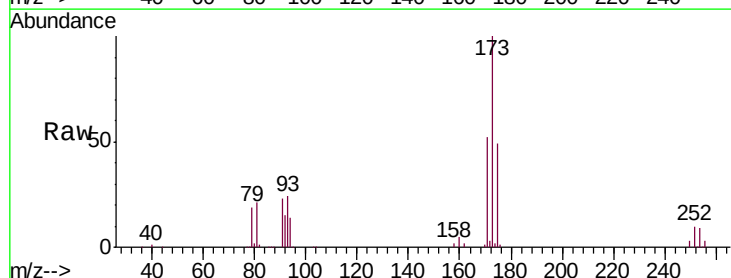
Tgt Ion: 173 Resp: 102354

Ion Ratio Lower Upper

173 100

175 49.6 38.8 58.2

254 9.3 7.0 10.6



Abundance Ion 173.00 (172.70 to 173.70): VV014493.D (-2687) (-)

Ion 175.00 (174.70 to 175.70): VV014493.D (-2687) (-)

Ion 254.00 (253.70 to 254.70): VV014493.D (-2687) (-)

9.77

80000

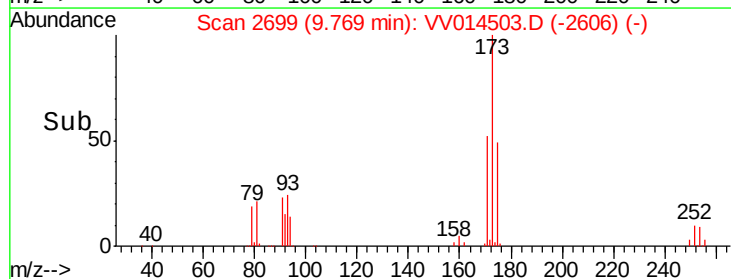
60000

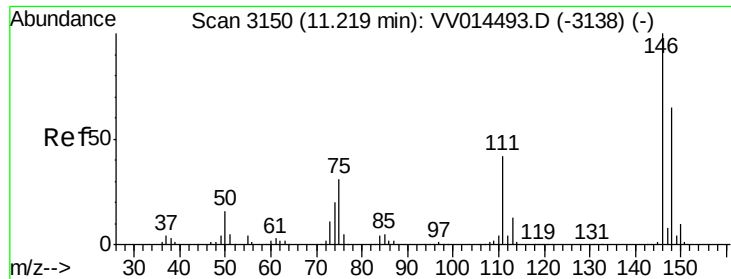
40000

20000

0

Time-->





#62

1,3-Dichlorobenzene

Concen: 53.031 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. 0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

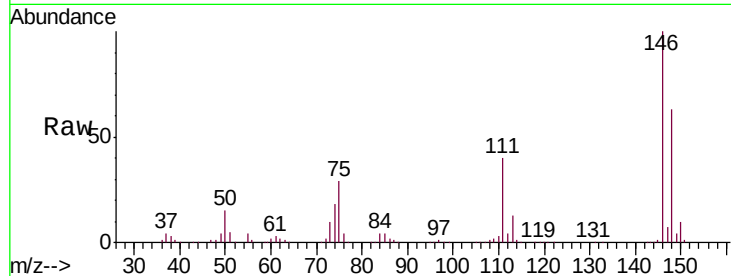
Tgt Ion:146 Resp: 300577

Ion Ratio Lower Upper

146 100

111 40.4 29.3 54.3

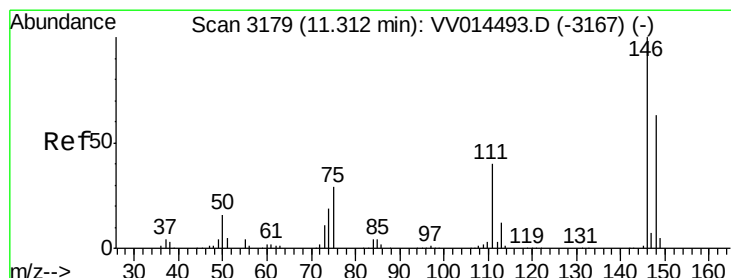
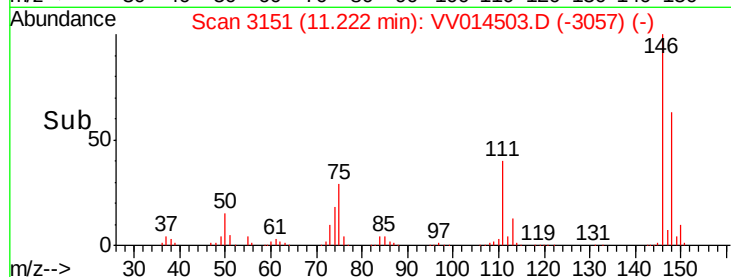
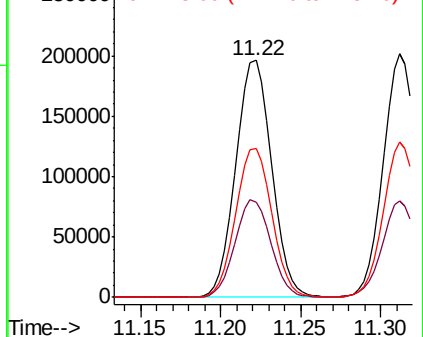
148 62.8 44.9 83.3



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 52.643 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

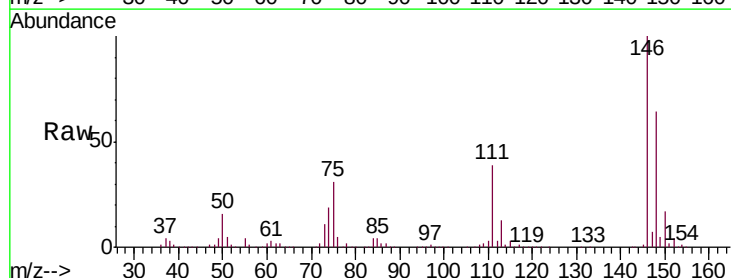
Tgt Ion:146 Resp: 307168

Ion Ratio Lower Upper

146 100

111 39.4 28.1 52.1

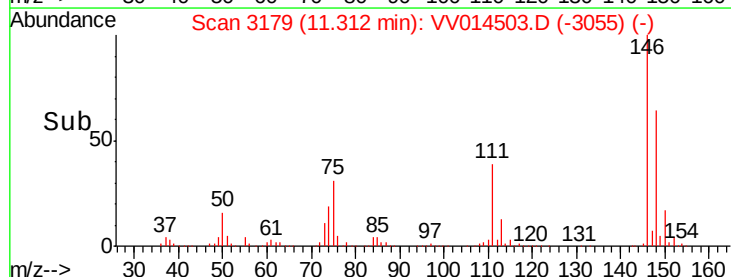
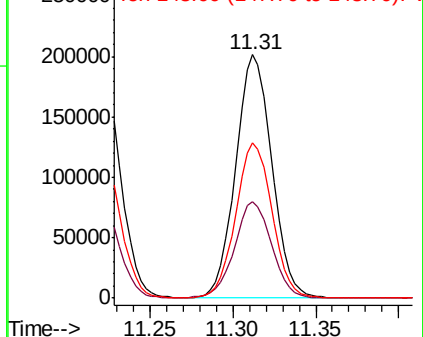
148 63.7 43.5 80.9

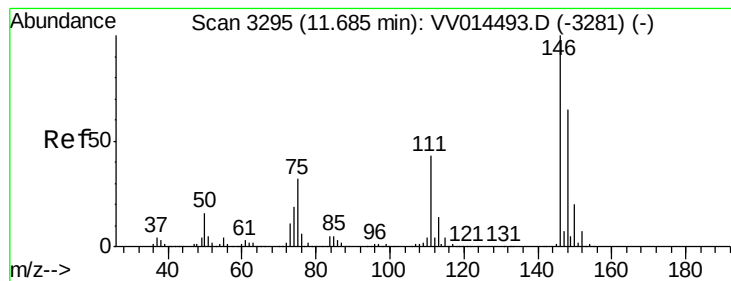


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 52.270 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

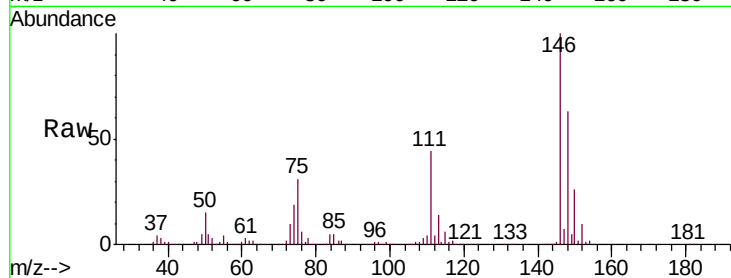
Tgt Ion: 146 Resp: 292836

Ion Ratio Lower Upper

146 100

111 43.6 34.6 51.8

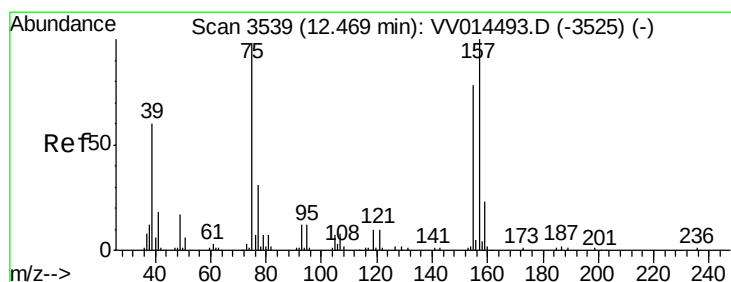
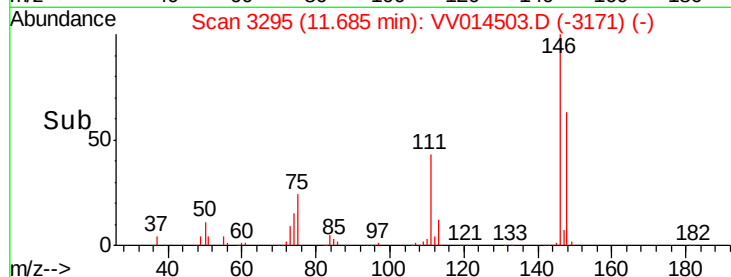
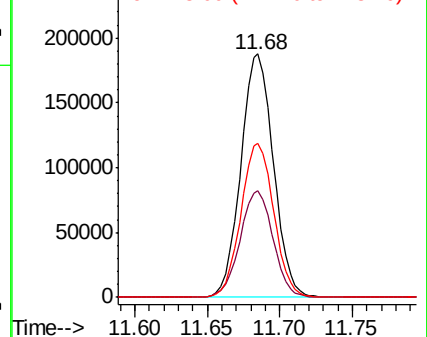
148 63.4 51.2 76.8



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 52.237 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

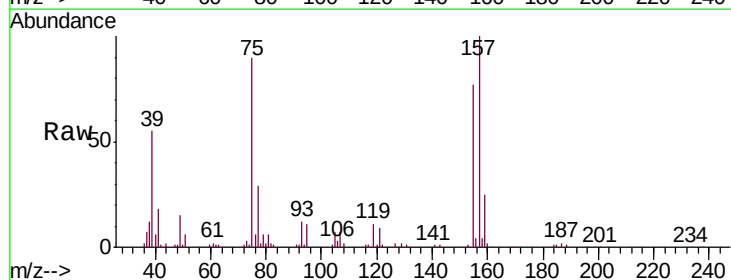
Tgt Ion: 75 Resp: 46522

Ion Ratio Lower Upper

75 100

155 85.9 64.2 96.2

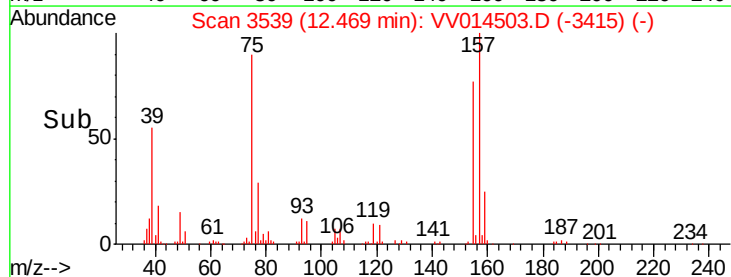
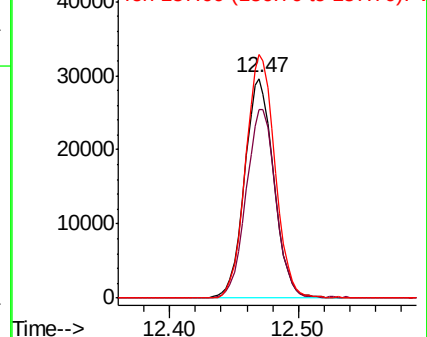
157 110.9 83.4 125.2

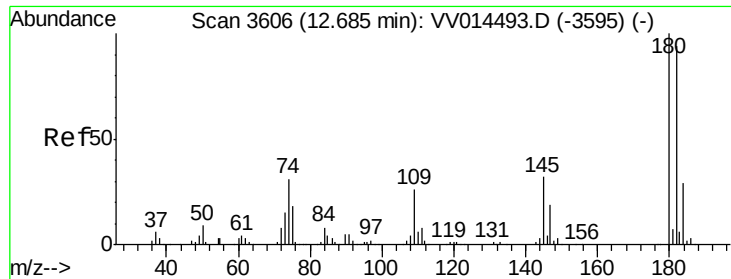


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

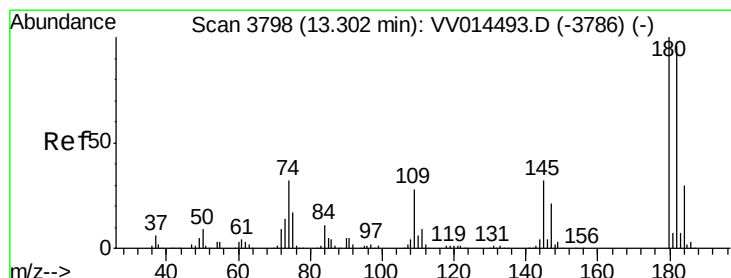
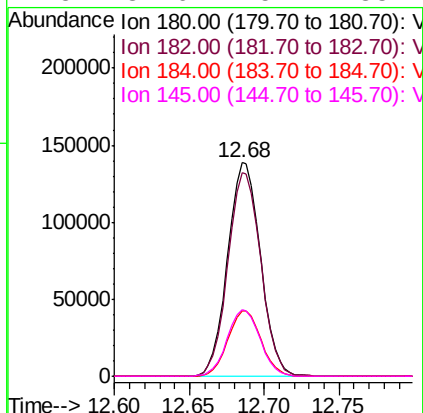
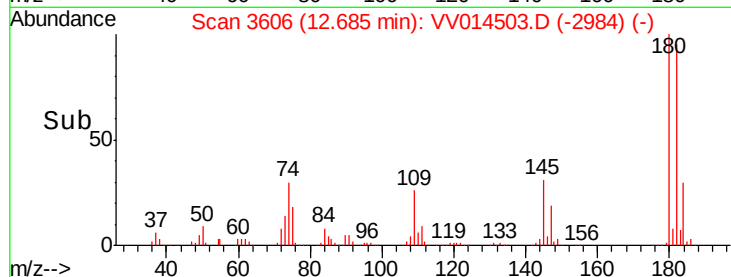
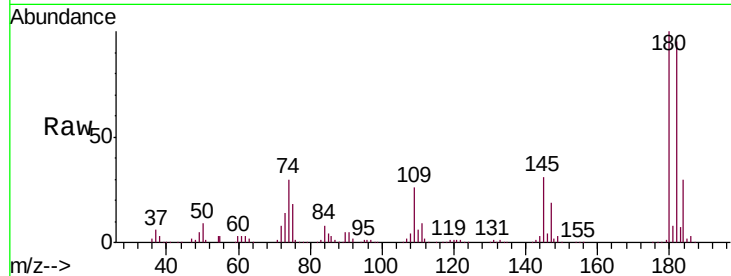




#67
 1,3,5-Trichlorobenzene
 Concen: 55.604 ug/L
 RT: 12.68 min Scan# 3606
 Delta R.T. -0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

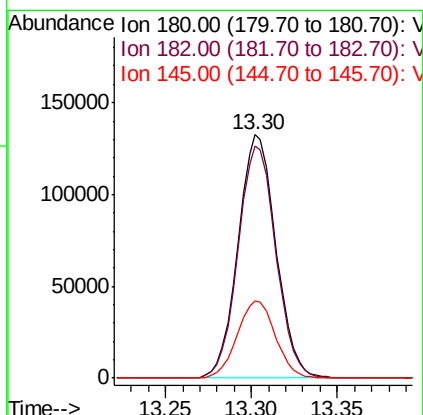
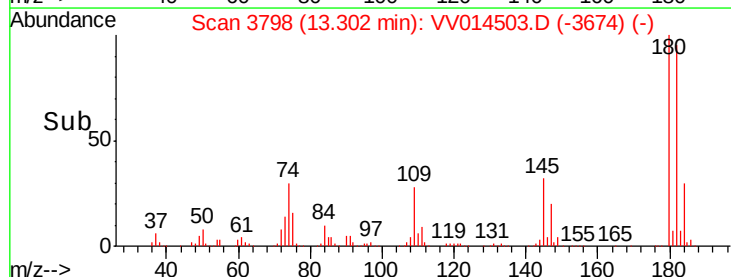
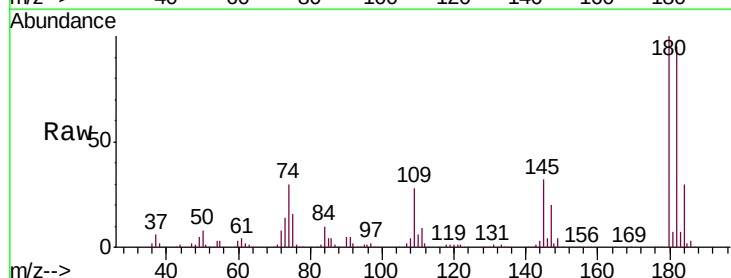
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05092

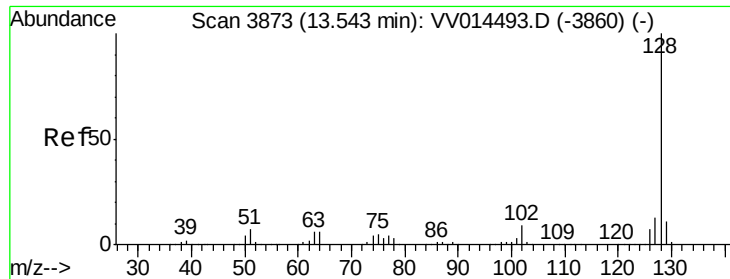
Tgt Ion:	180	Resp:	212317
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.3	114.5
184	30.9	24.2	36.2
145	31.6	25.4	38.2



#68
 1,2,4-trichlorobenzene
 Concen: 58.441 ug/L
 RT: 13.30 min Scan# 3798
 Delta R.T. -0.00 min
 Lab File: VV014503.D
 Acq: 04 Feb 2020 19:28

Tgt Ion:	180	Resp:	202715
Ion	Ratio	Lower	Upper
180	100		
182	95.2	76.0	114.0
145	32.1	26.2	39.2





#69

Naphthalene

Concen: 85.204 ug/L

RT: 13.54 min Scan# 3873

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

Instrument :

MSVOA_V

ClientSampleId :

VSTD05092

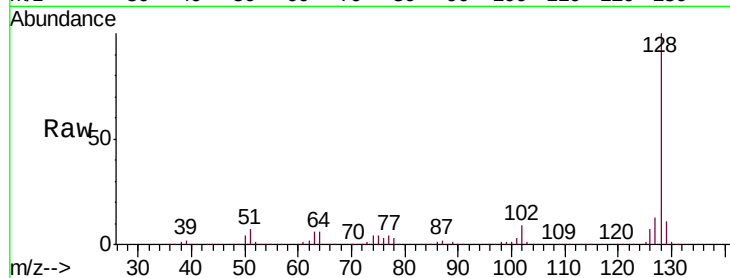
Tgt Ion:128 Resp: 935949

Ion Ratio Lower Upper

128 100

127 12.7 10.2 15.4

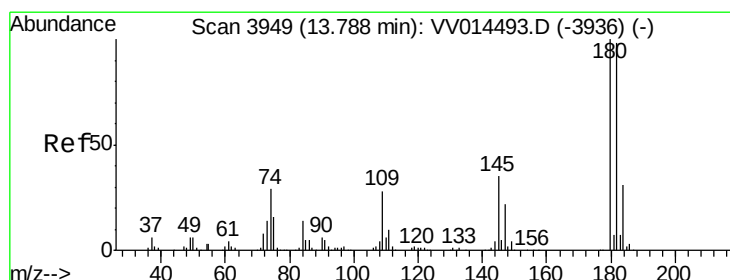
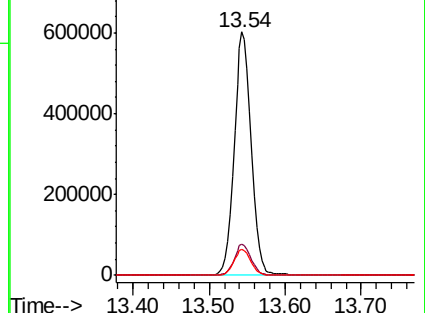
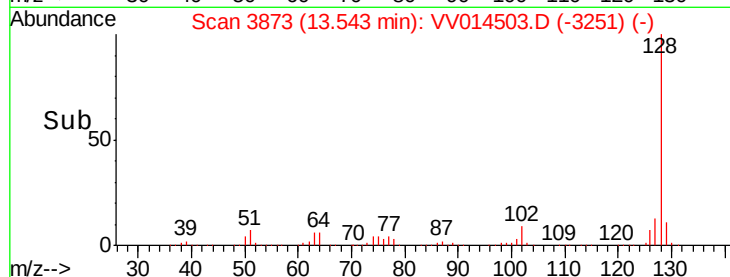
129 10.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 59.556 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV014503.D

Acq: 04 Feb 2020 19:28

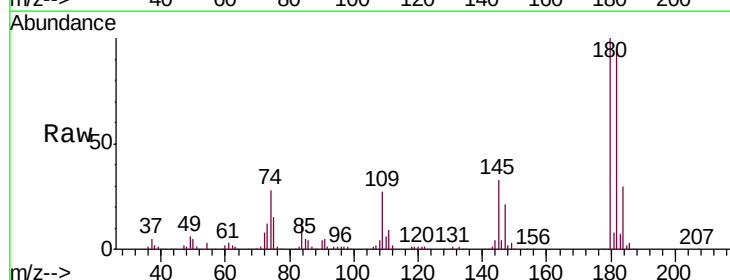
Tgt Ion:180 Resp: 199059

Ion Ratio Lower Upper

180 100

182 93.7 77.5 116.3

145 33.7 27.8 41.6



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

