

Data File : VV014513.D
Acq On : 06 Feb 2020 11:09
Operator : SY/MD
Sample : VSTD05062
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD050203

Quant Time: Feb 07 01:07:21 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SFAMVLM020620W.M
Quant Title : VOC Analysis
QLast Update : Fri Feb 07 01:04:28 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	418818	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	388332	50.00	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.29	152	197592	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	114471	48.87	ug/L	0.00
7) Chloroethane-d5	1.59	69	77933	46.80	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	171960	43.42	ug/L	0.00
21) 2-Butanone-d5	3.92	46	188317	108.01	ug/L	0.00
24) Chloroform-d	4.40	84	264671	45.67	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	161093	43.67	ug/L	0.00
32) Benzene-d6	5.10	84	550799	48.33	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.11	67	169327	50.59	ug/L	0.00
41) Toluene-d8	7.36	98	511546	46.96	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.66	79	90908	48.45	ug/L	0.00
47) 2-Hexanone-d5	8.13	63	150913	107.78	ug/L	0.00
56) 1,1,2,2-Tetrachloroethane-	10.25	84	221528	47.57	ug/L	0.00
66) 1,2-Dichlorobenzene-d4	11.67	152	187161	40.82	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	166788	54.627	ug/L	100
3) Chloromethane	1.26	50	168954	70.921	ug/L	100
5) Vinyl chloride	1.33	62	128005	59.240	ug/L	100
6) Bromomethane	1.54	94	58347	49.009	ug/L	100
8) Chloroethane	1.60	64	63662	56.762	ug/L	100
9) Trichlorofluoromethane	1.77	101	174562	51.976	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	82220	50.298	ug/L	100
12) 1,1-Dichloroethene	2.14	96	79023	50.887	ug/L	100
13) Acetone	2.19	43	136565	114.119	ug/L	100
14) Carbon disulfide	2.32	76	387826	67.661	ug/L	100
15) Methyl Acetate	2.46	43	145679	66.182	ug/L	100
16) Methylene chloride	2.54	84	148577	60.010	ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	142417	61.585	ug/L	100
18) Methyl tert-butyl Ether	2.80	73	451108	58.081	ug/L	100
19) 1,1-Dichloroethane	3.23	63	254467	60.482	ug/L	100
20) cis-1,2-Dichloroethene	3.96	96	160432	59.758	ug/L	100
22) 2-Butanone	4.01	43	227129	138.639	ug/L	100
23) Bromochloromethane	4.30	128	76084	52.981	ug/L	100
25) Chloroform	4.42	83	259681	55.853	ug/L	100
27) 1,2-Dichloroethane	5.18	62	196061	54.797	ug/L	100
29) Cyclohexane	4.73	56	240875	67.313	ug/L	100
30) 1,1,1-Trichloroethane	4.66	97	224422	53.070	ug/L	100
31) Carbon tetrachloride	4.87	117	195793	50.453	ug/L	100
33) Benzene	5.14	78	580234	60.811	ug/L	100
34) Trichloroethene	5.96	95	149604	57.385	ug/L	100
35) Methylcyclohexane	6.17	83	245331	61.899	ug/L	100
37) 1,2-Dichloropropane	6.22	63	146217	62.338	ug/L	100
38) Bromodichloromethane	6.55	83	197125	55.409	ug/L	100
39) cis-1,3-Dichloropropene	7.07	75	245574	59.944	ug/L	100
40) 4-Methyl-2-pentanone	7.26	43	389153	127.758	ug/L	100

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.43	91	614681	58.776	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	222239	58.251	ug/L	100
45) 1,1,2-Trichloroethane	7.88	97	140307	56.916	ug/L	100
46) Tetrachloroethene	8.02	164	115686	49.361	ug/L	100
48) 2-Hexanone	8.18	43	311085	133.803	ug/L	100
49) Dibromochloromethane	8.29	129	159221	51.314	ug/L	100
50) 1,2-Dibromoethane	8.39	107	153378	56.400	ug/L	100
51) Chlorobenzene	8.92	112	399198	56.940	ug/L	100
52) Ethylbenzene	9.05	91	693925	58.974	ug/L	100
53) m,p-Xylene	9.18	106	263895	58.390	ug/L	100
54) o-Xylene	9.58	106	256774	57.604	ug/L	100
55) Styrene	9.60	104	446047	59.042	ug/L	100
57) 1,1,2,2-Tetrachloroethane	10.28	83	224700	58.857	ug/L	100
59) Bromoform	9.77	173	111600	48.182	ug/L	100
60) Isopropylbenzene	9.97	105	667273	58.740	ug/L	100
61) 1,2,3-Trichloropropane	10.31	75	177668	61.607	ug/L	100
62) 1,3,5-Trimethylbenzene	10.58	105	574667	58.500	ug/L	100
63) 1,2,4-Trimethylbenzene	10.95	105	567622	58.444	ug/L	100
64) 1,3-Dichlorobenzene	11.22	146	312474	55.191	ug/L	100
65) 1,4-Dichlorobenzene	11.31	146	319148	55.531	ug/L	100
67) 1,2-Dichlorobenzene	11.68	146	300269	52.605	ug/L	100
68) 1,2-Dibromo-3-chloropropan	12.47	75	50088	54.459	ug/L	100
69) 1,3,5-Trichlorobenzene	12.69	180	221248	49.692	ug/L	100
70) 1,2,4-trichlorobenzene	13.30	180	208184	53.149	ug/L	100
71) Naphthalene	13.54	128	675471	64.530	ug/L	100
72) 1,2,3-Trichlorobenzene	13.79	180	199542	51.291	ug/L	100

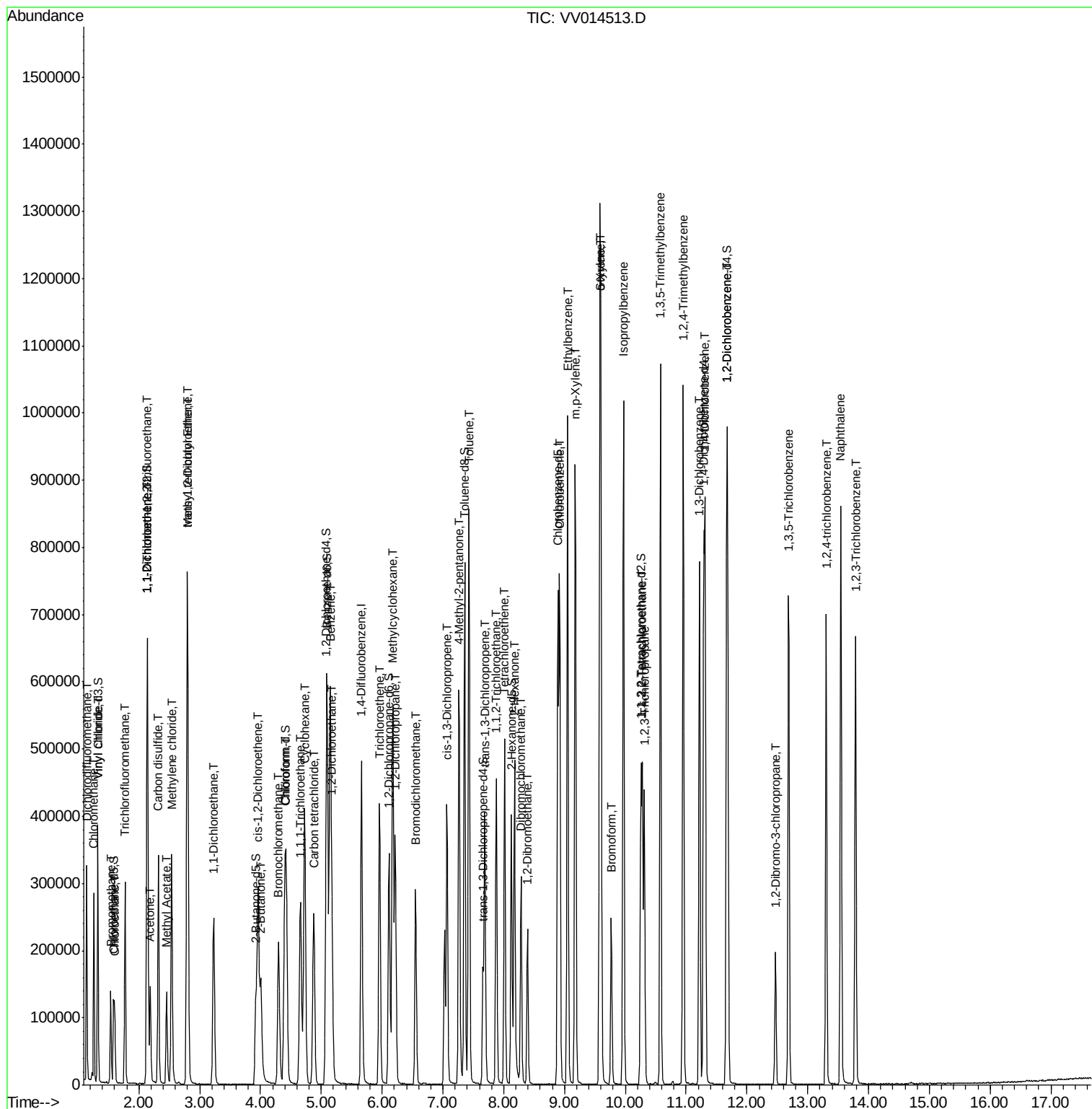
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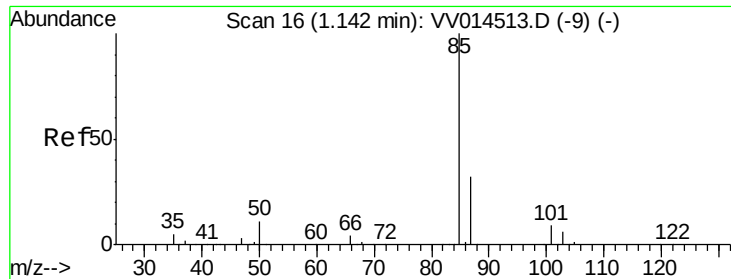
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#2

Dichlorodifluoromethane

Concen: 54.627 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

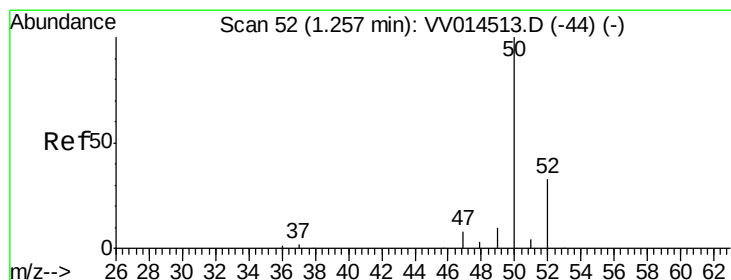
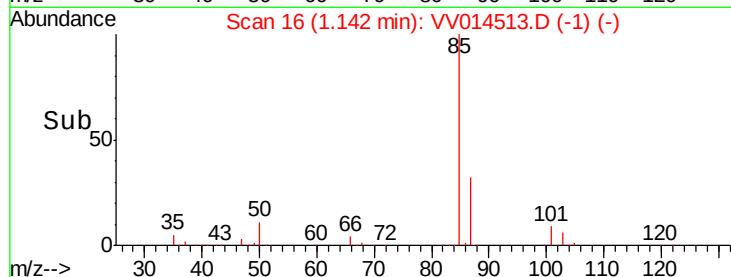
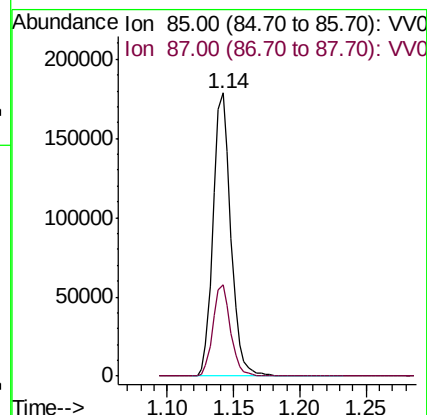
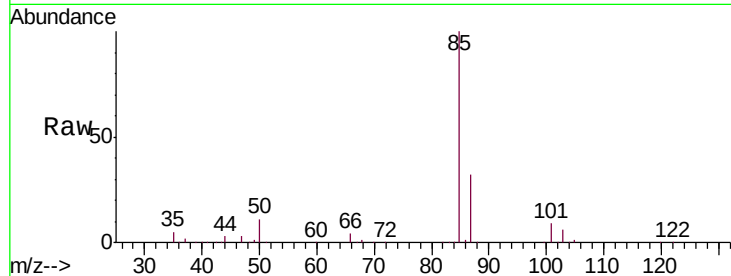
VSTD050203

Tgt Ion: 85 Resp: 166788

Ion Ratio Lower Upper

85 100

87 32.1 25.7 38.5



#3

Chloromethane

Concen: 70.921 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV014513.D

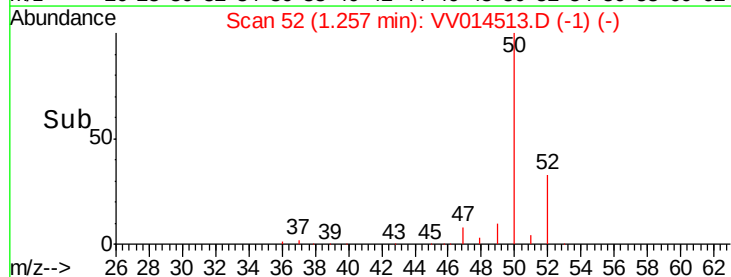
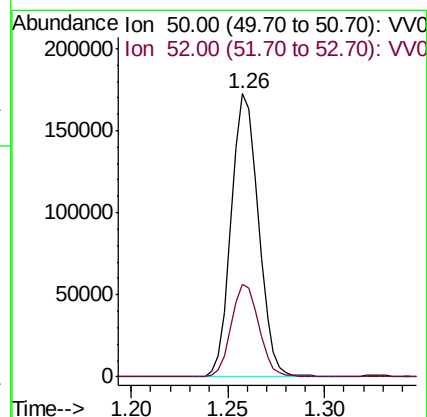
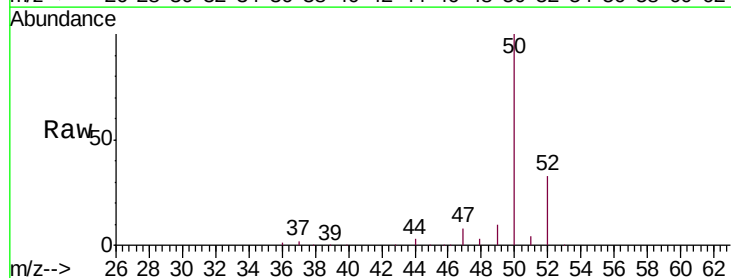
Acq: 06 Feb 2020 11:09

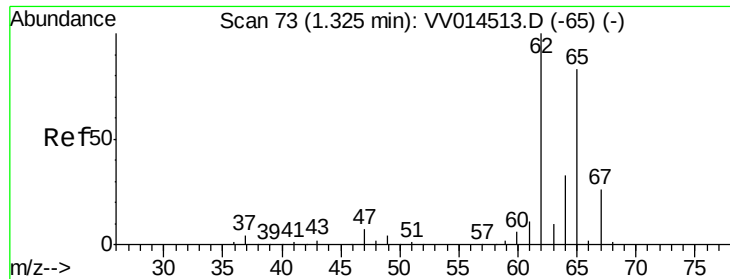
Tgt Ion: 50 Resp: 168954

Ion Ratio Lower Upper

50 100

52 32.7 22.9 42.5





#5

Vinyl chloride

Concen: 59.240 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

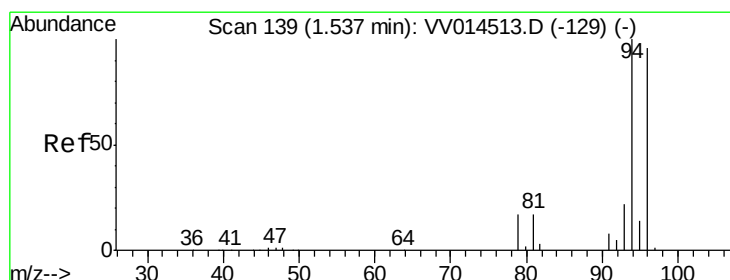
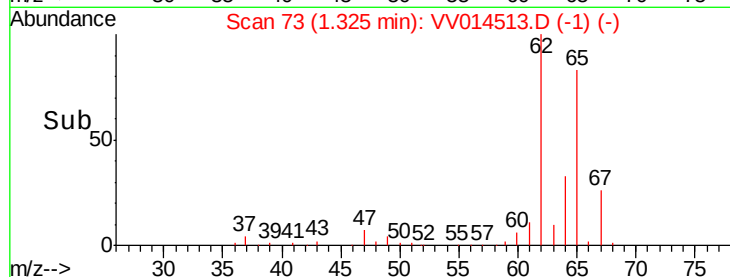
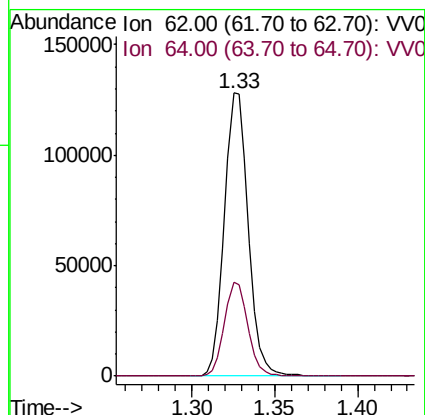
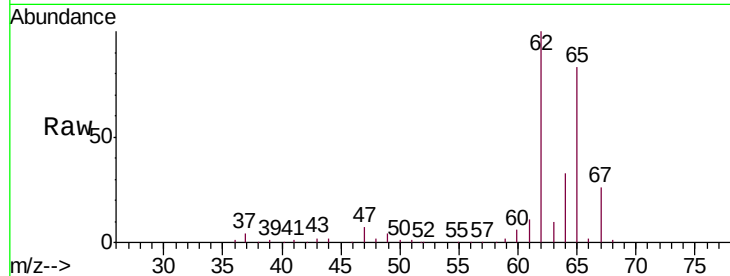
VSTD050203

Tgt Ion: 62 Resp: 128005

Ion Ratio Lower Upper

62 100

64 33.0 23.1 42.9



#6

Bromomethane

Concen: 49.009 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV014513.D

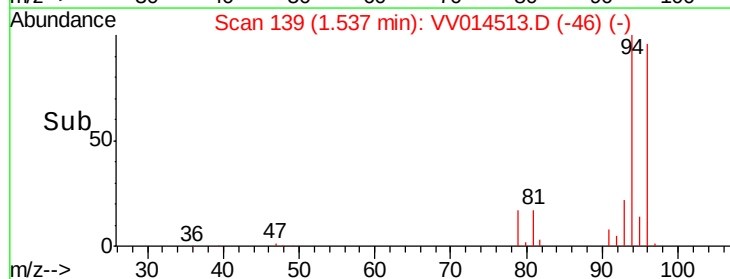
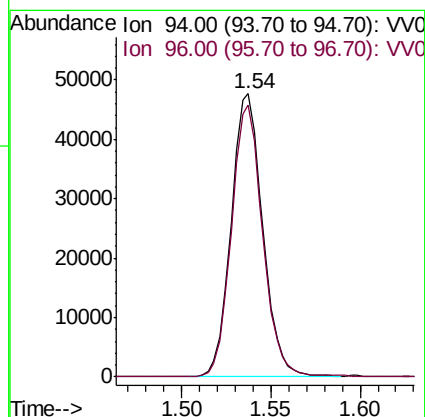
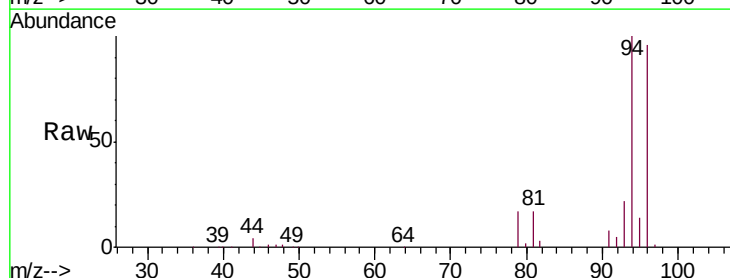
Acq: 06 Feb 2020 11:09

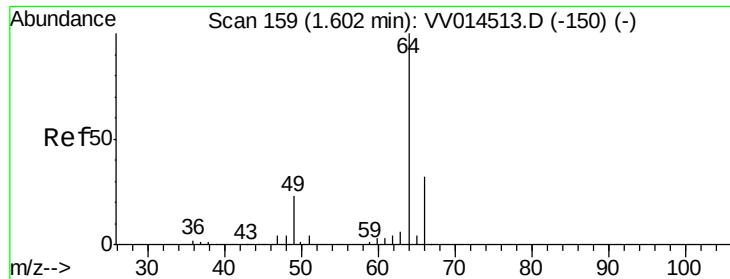
Tgt Ion: 94 Resp: 58347

Ion Ratio Lower Upper

94 100

96 96.1 67.3 124.9





#8

Chloroethane

Concen: 56.762 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

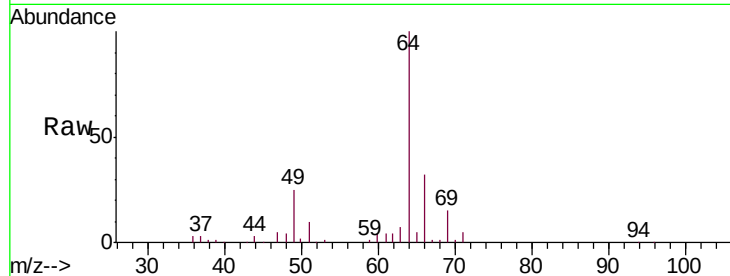
VSTD050203

Tgt Ion: 64 Resp: 63662

Ion Ratio Lower Upper

64 100

66 32.0 22.4 41.6



Abundance Ion 64.00 (63.70 to 64.70): VV014513.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV014513.D (-150) (-)

1.60

60000

50000

40000

30000

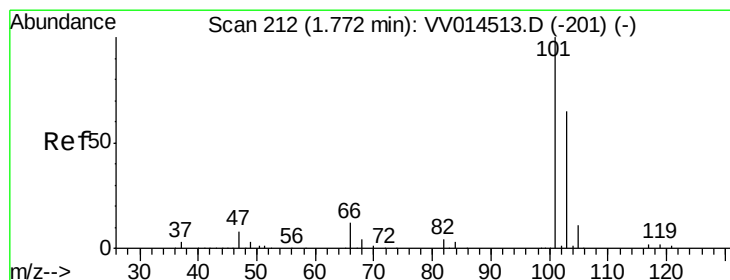
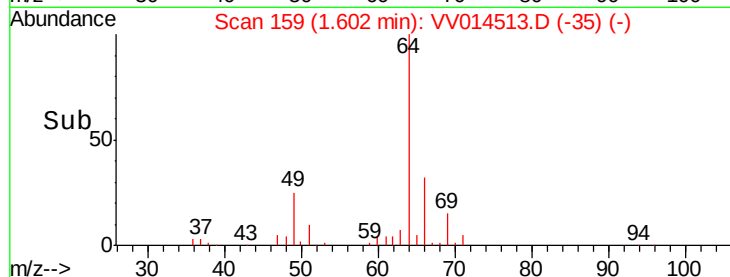
20000

10000

0

1.55 1.60 1.65 1.70

Time-->



#9

Trichlorofluoromethane

Concen: 51.976 ug/L

RT: 1.77 min Scan# 212

Delta R.T. 0.00 min

Lab File: VV014513.D

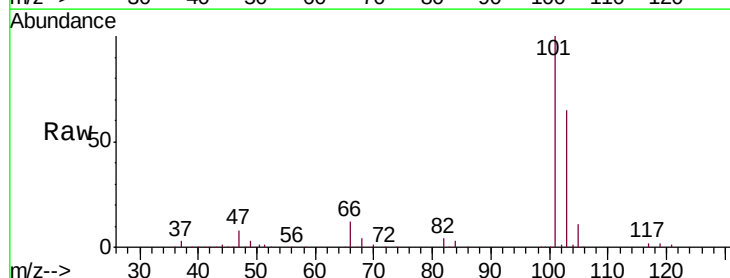
Acq: 06 Feb 2020 11:09

Tgt Ion: 101 Resp: 174562

Ion Ratio Lower Upper

101 100

103 64.8 51.8 77.8



Abundance Ion 101.00 (100.70 to 101.70): VV014513.D (-201) (-)

Ion 103.00 (102.70 to 103.70): VV014513.D (-201) (-)

1.77

150000

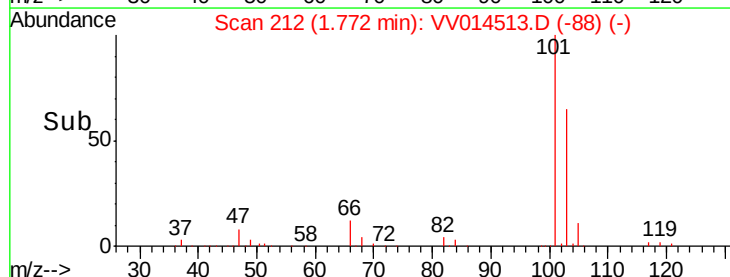
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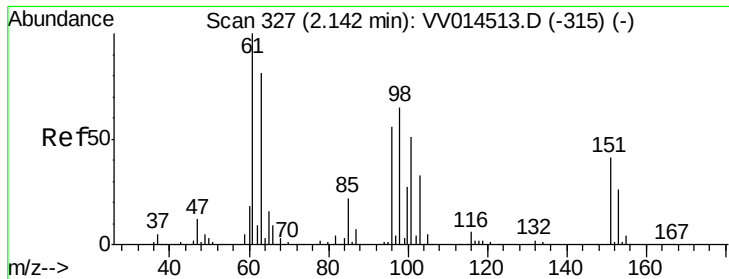
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 50.298 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050203

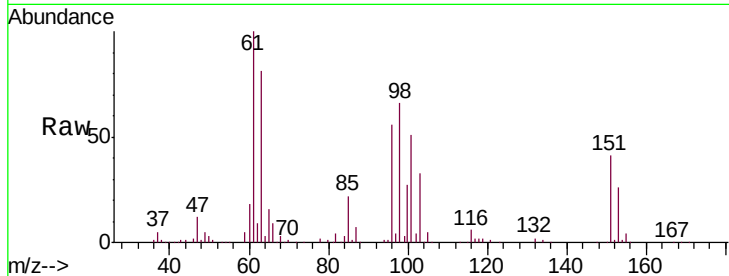
Tgt Ion: 101 Resp: 82220

Ion Ratio Lower Upper

101 100

85 43.8 35.0 52.6

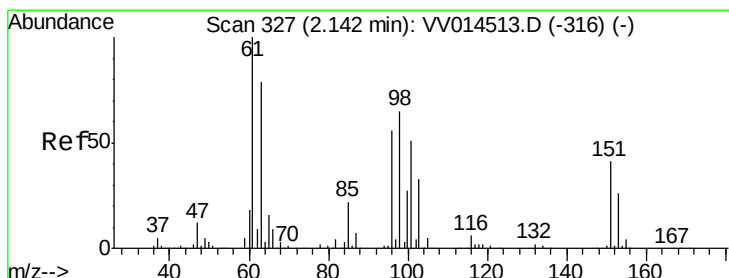
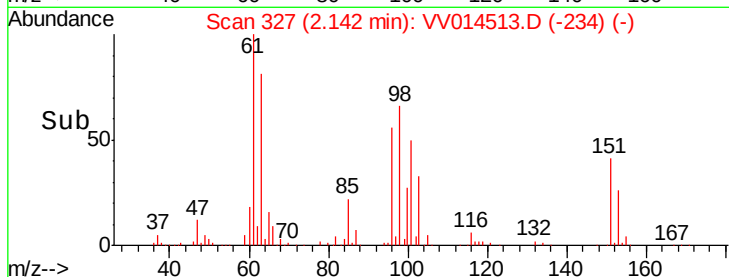
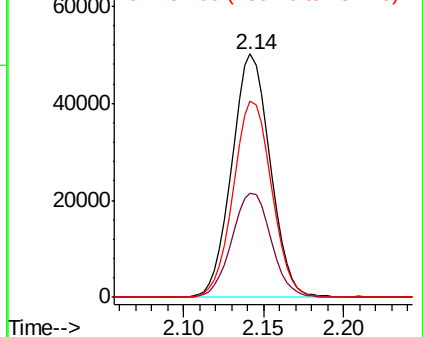
151 80.5 64.4 96.6



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 50.887 ug/L

RT: 2.14 min Scan# 327

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

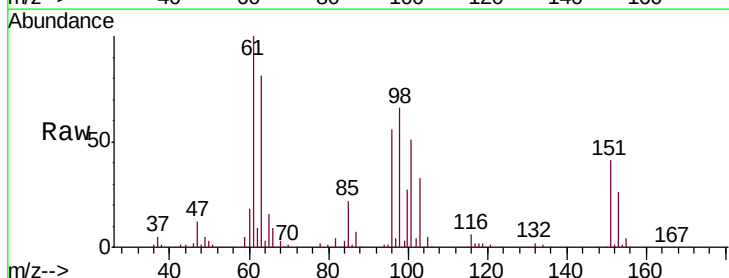
Tgt Ion: 96 Resp: 79023

Ion Ratio Lower Upper

96 100

61 178.6 125.0 232.2

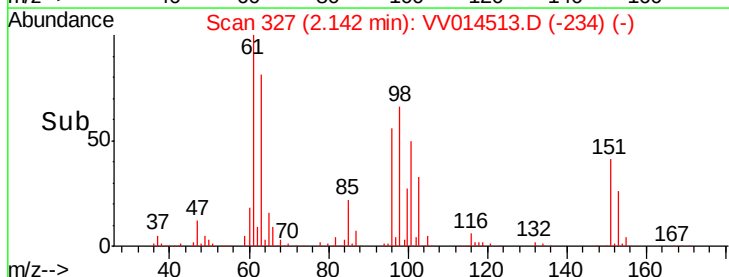
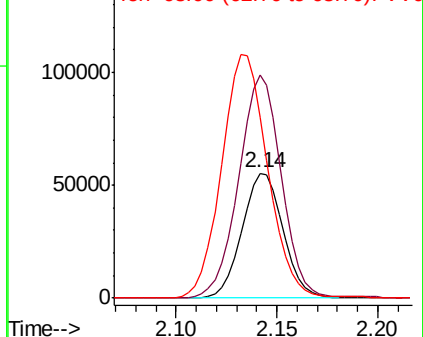
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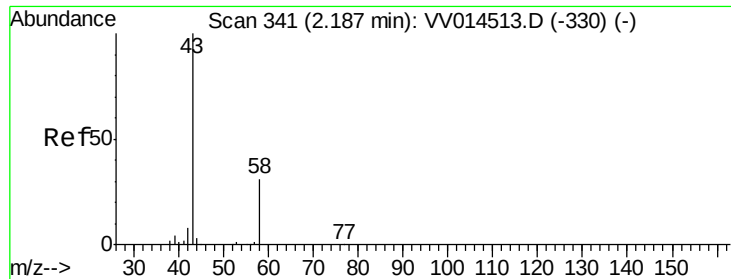


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 114.119 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

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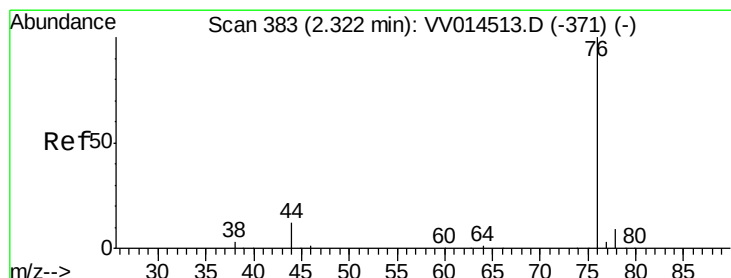
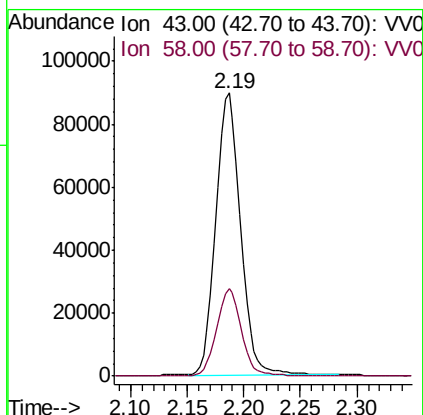
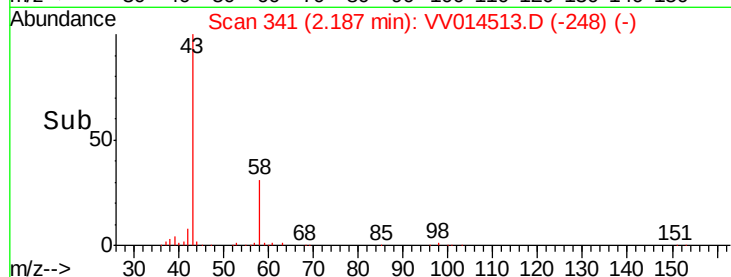
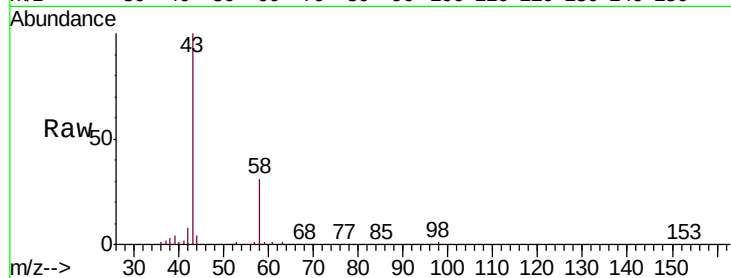
VSTD050203

Tgt Ion: 43 Resp: 136565

Ion Ratio Lower Upper

43 100

58 30.9 0.0 61.8



#14

Carbon disulfide

Concen: 67.661 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV014513.D

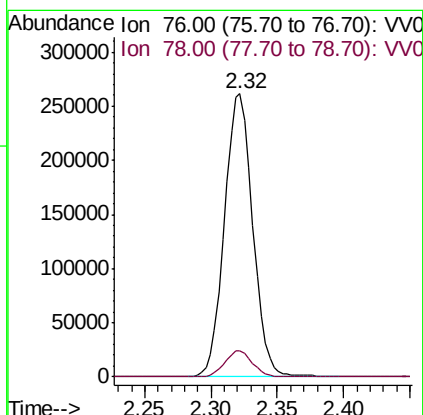
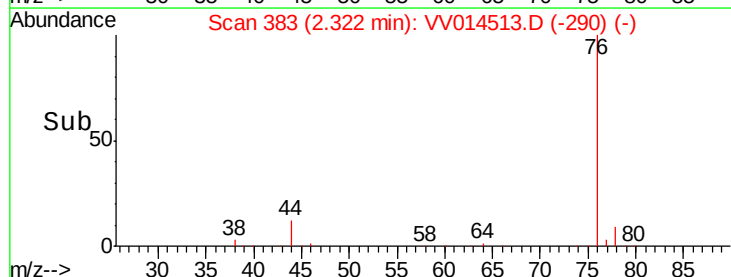
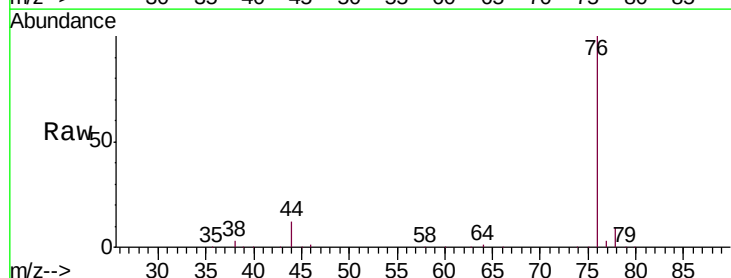
Acq: 06 Feb 2020 11:09

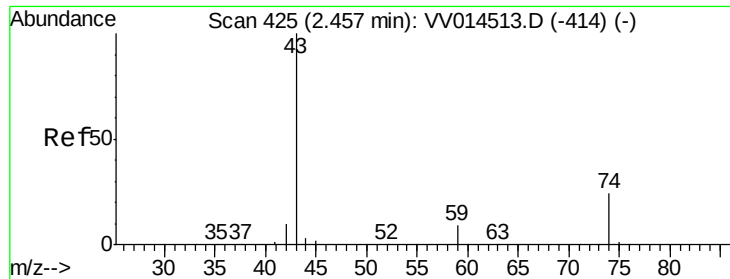
Tgt Ion: 76 Resp: 387826

Ion Ratio Lower Upper

76 100

78 9.3 7.4 11.2

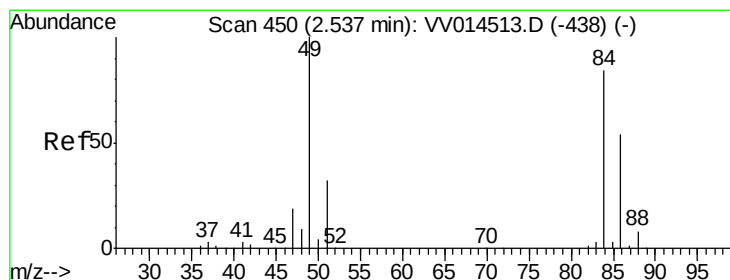
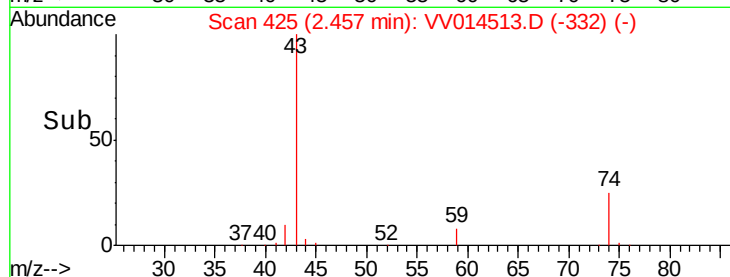
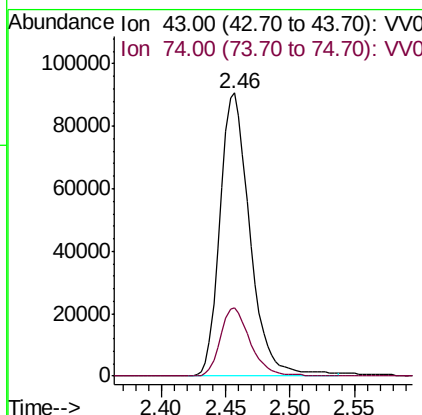
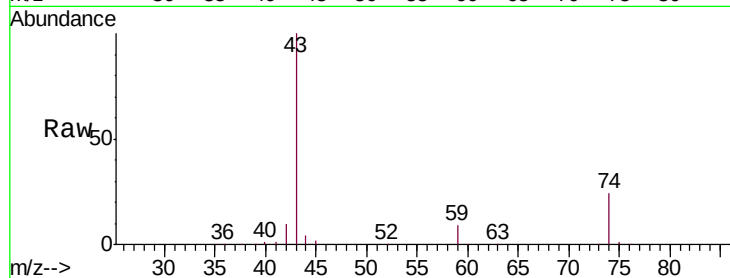




#15
Methyl Acetate
Concen: 66.182 ug/L
RT: 2.46 min Scan# 425
Delta R.T. 0.00 min
Lab File: VV014513.D
Acq: 06 Feb 2020 11:09

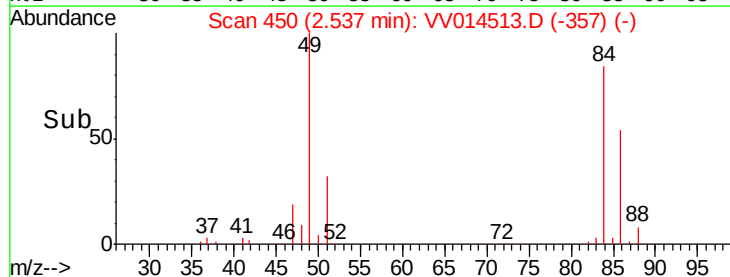
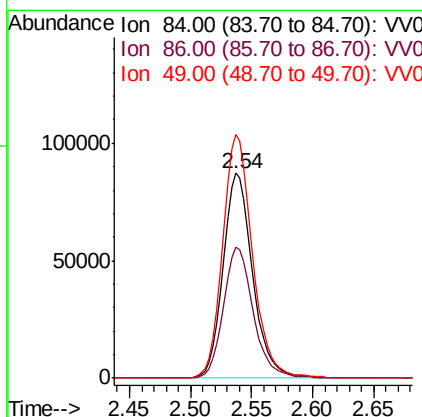
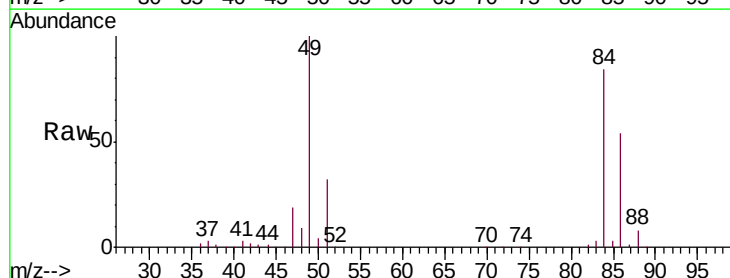
Instrument :
MSVOA_V
ClientSampleId :
VSTD050203

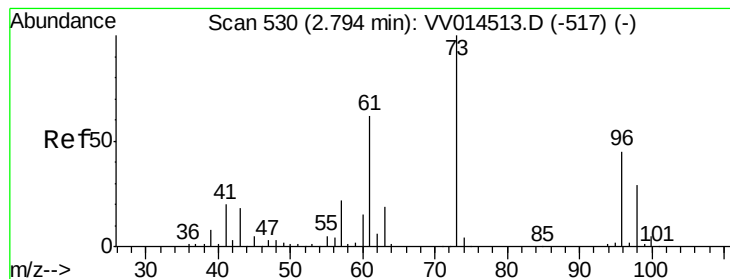
Tgt Ion: 43 Resp: 145679
Ion Ratio Lower Upper
43 100
74 24.2 19.4 29.0



#16
Methylene chloride
Concen: 60.010 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV014513.D
Acq: 06 Feb 2020 11:09

Tgt Ion: 84 Resp: 148577
Ion Ratio Lower Upper
84 100
86 63.7 44.6 82.8
49 118.8 83.2 154.4





#17

trans-1,2-Dichloroethene

Concen: 61.585 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050203

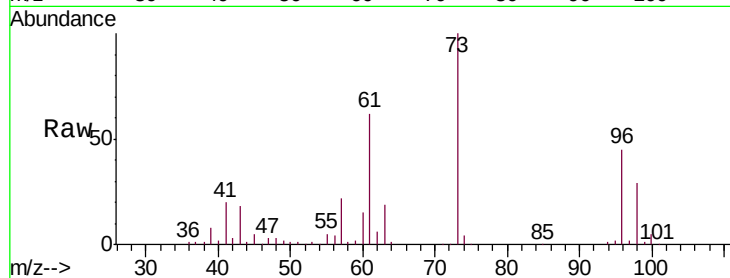
Tgt Ion: 96 Resp: 142417

Ion Ratio Lower Upper

96 100

61 136.9 95.8 178.0

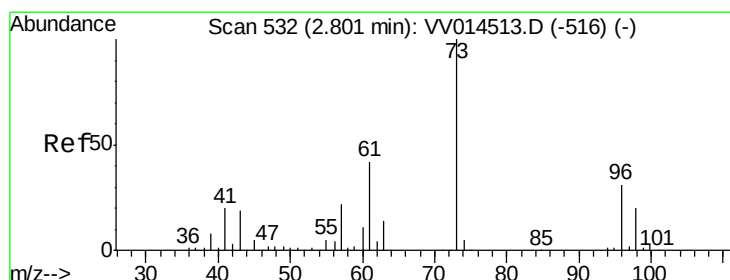
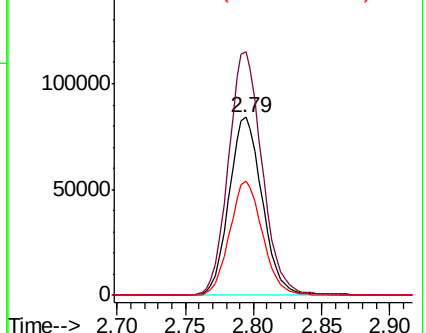
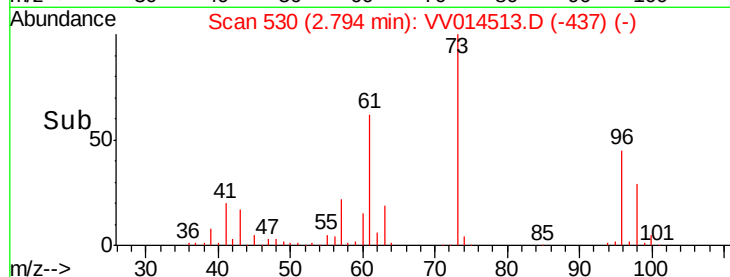
98 64.4 45.1 83.7



Abundance Ion 96.00 (95.70 to 96.70): VV014513.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV014513.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV014513.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 58.081 ug/L

RT: 2.80 min Scan# 532

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

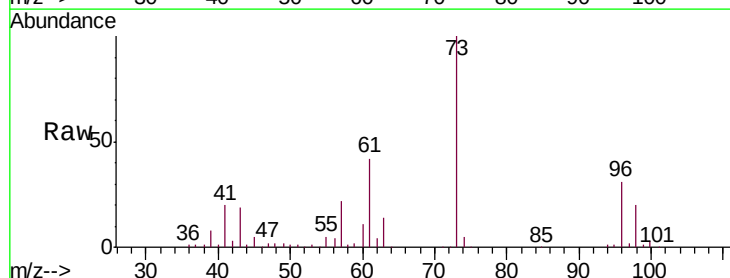
Tgt Ion: 73 Resp: 451108

Ion Ratio Lower Upper

73 100

43 18.6 14.9 22.3

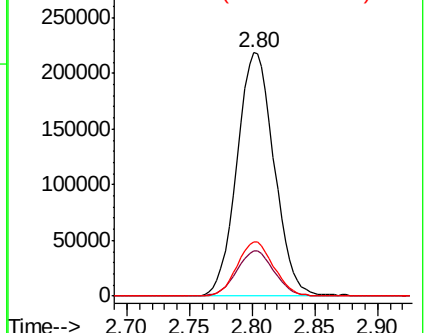
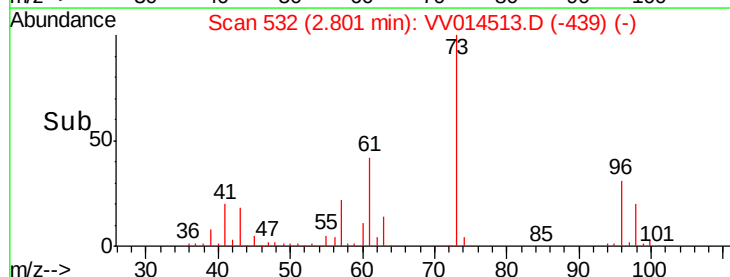
57 21.9 17.5 26.3

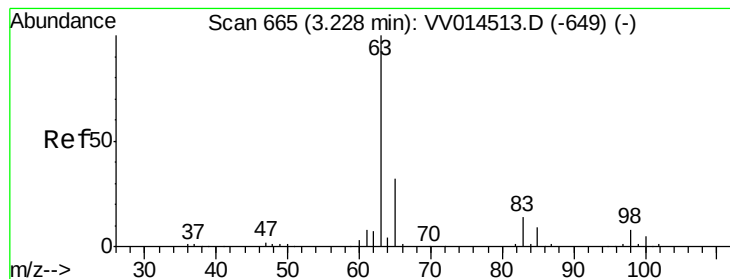


Abundance Ion 73.00 (72.70 to 73.70): VV014513.D (-516) (-)

Ion 43.00 (42.70 to 43.70): VV014513.D (-516) (-)

Ion 57.00 (56.70 to 57.70): VV014513.D (-516) (-)





#19

1,1-Dichloroethane

Concen: 60.482 ug/L

RT: 3.23 min Scan# 665

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050203

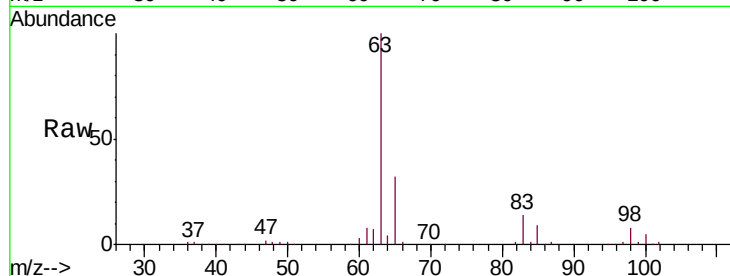
Tgt Ion: 63 Resp: 254467

Ion Ratio Lower Upper

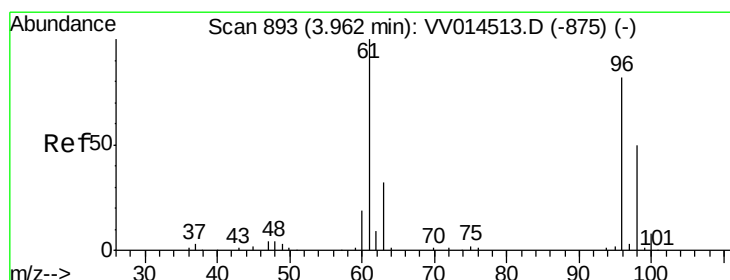
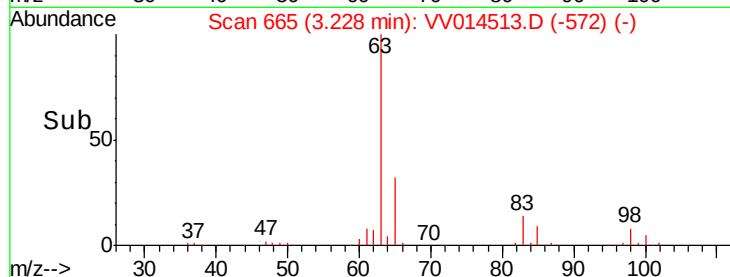
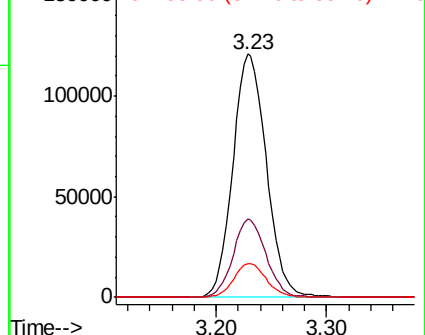
63 100

65 32.1 22.5 41.7

83 13.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV0
Ion 65.00 (64.70 to 65.70): VV0
Ion 83.00 (82.70 to 83.70): VV0



#20

cis-1,2-Dichloroethene

Concen: 59.758 ug/L

RT: 3.96 min Scan# 893

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

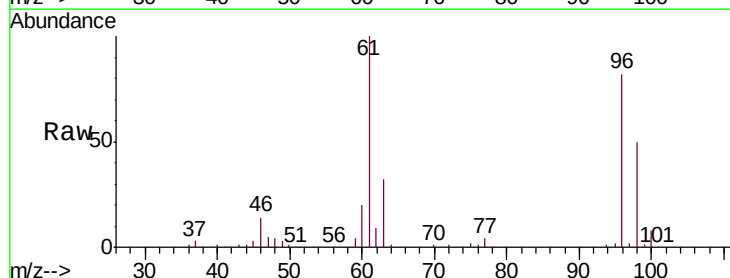
Tgt Ion: 96 Resp: 160432

Ion Ratio Lower Upper

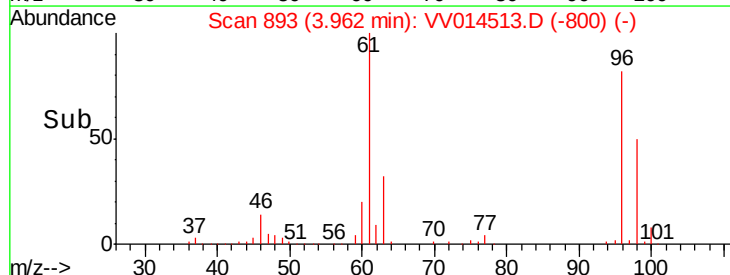
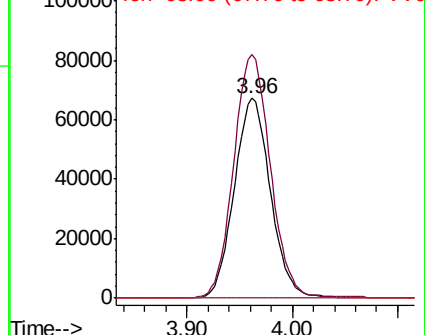
96 100

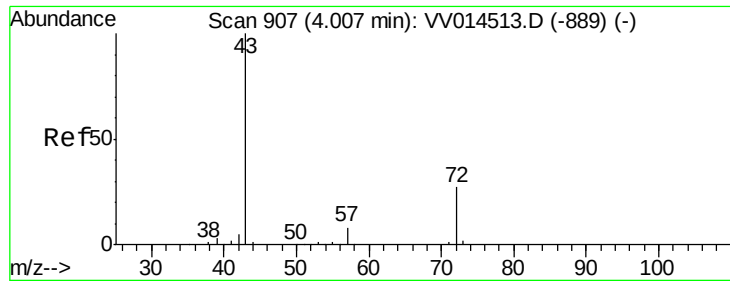
61 121.7 85.2 158.2

68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 68.00 (67.70 to 68.70): VV0





#22

2-Butanone

Concen: 138.639 ug/L

RT: 4.01 min Scan# 907

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

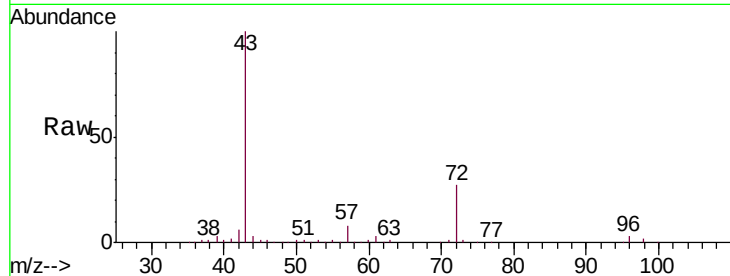
VSTD050203

Tgt Ion: 43 Resp: 227129

Ion Ratio Lower Upper

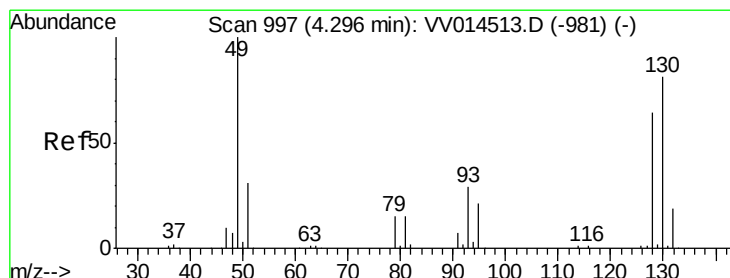
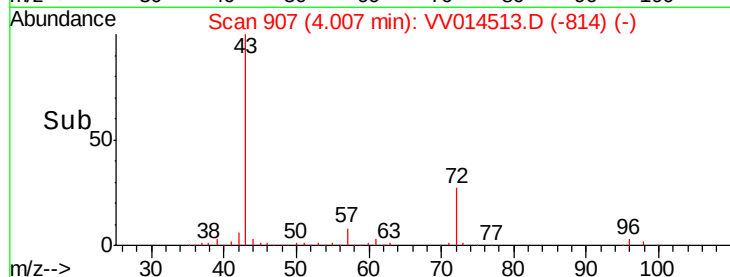
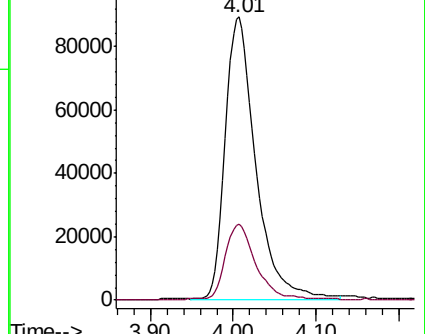
43 100

72 25.4 12.7 38.1



Abundance Ion 43.00 (42.70 to 43.70): VV014513.D (-889) (-)

Ion 72.00 (71.70 to 72.70): VV014513.D (-889) (-)



#23

Bromochloromethane

Concen: 52.981 ug/L

RT: 4.30 min Scan# 997

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Tgt Ion: 128 Resp: 76084

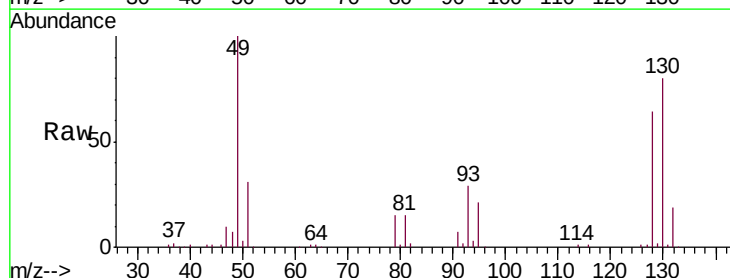
Ion Ratio Lower Upper

128 100

49 157.3 110.1 204.5

130 126.5 88.5 164.4

51 49.2 39.4 59.0

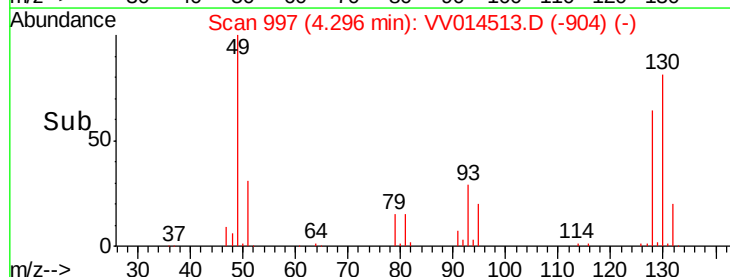
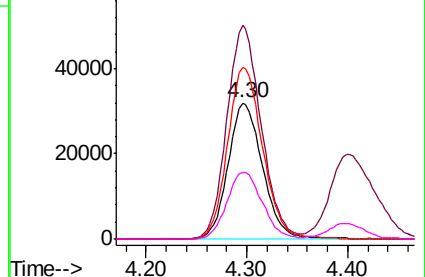


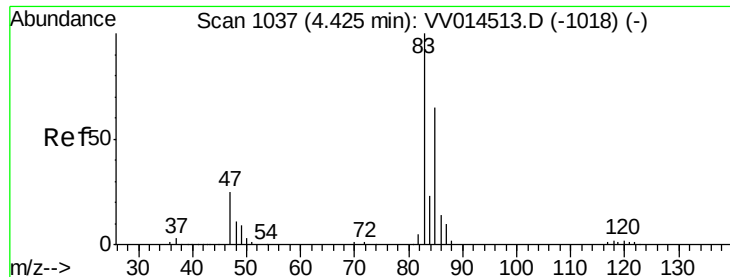
Abundance Ion 128.00 (127.70 to 128.70): VV014513.D (-981) (-)

Ion 49.00 (48.70 to 49.70): VV014513.D (-981) (-)

Ion 130.00 (129.70 to 130.70): VV014513.D (-981) (-)

Ion 51.00 (50.70 to 51.70): VV014513.D (-981) (-)

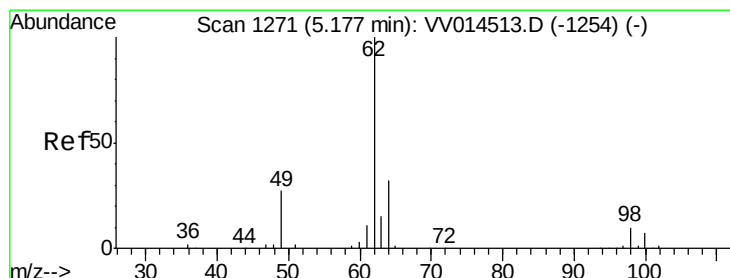
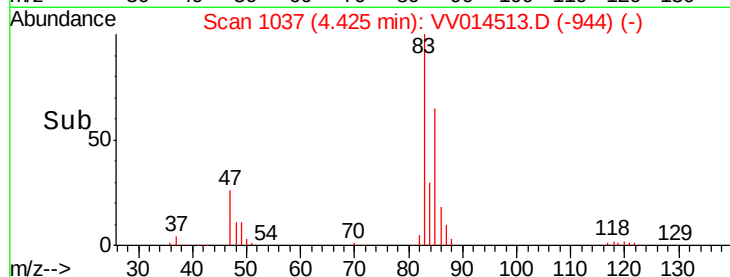
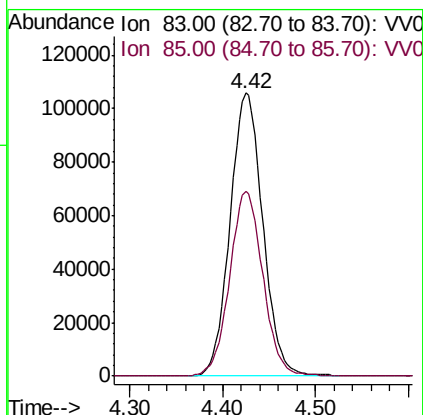
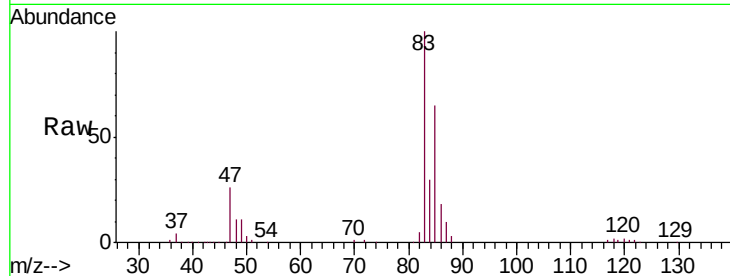




#25
Chloroform
Concen: 55.853 ug/L
RT: 4.42 min Scan# 1037
Delta R.T. 0.00 min
Lab File: VV014513.D
Acq: 06 Feb 2020 11:09

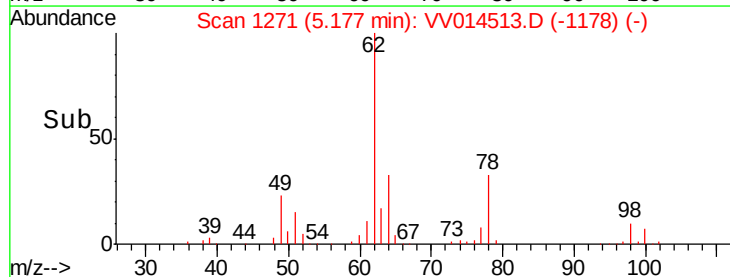
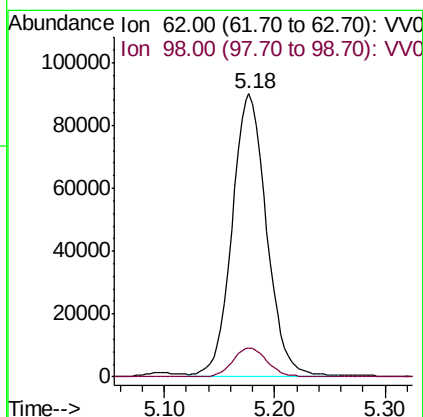
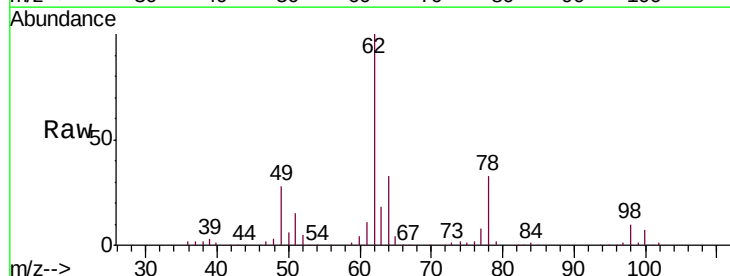
Instrument :
MSVOA_V
ClientSampleId :
VSTD050203

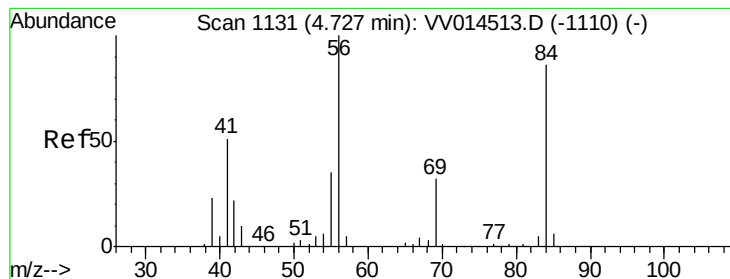
Tgt Ion: 83 Resp: 259681
Ion Ratio Lower Upper
83 100
85 65.4 45.8 85.0



#27
1,2-Dichloroethane
Concen: 54.797 ug/L
RT: 5.18 min Scan# 1271
Delta R.T. 0.00 min
Lab File: VV014513.D
Acq: 06 Feb 2020 11:09

Tgt Ion: 62 Resp: 196061
Ion Ratio Lower Upper
62 100
98 10.3 8.2 12.4





#29

Cyclohexane

Concen: 67.313 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050203

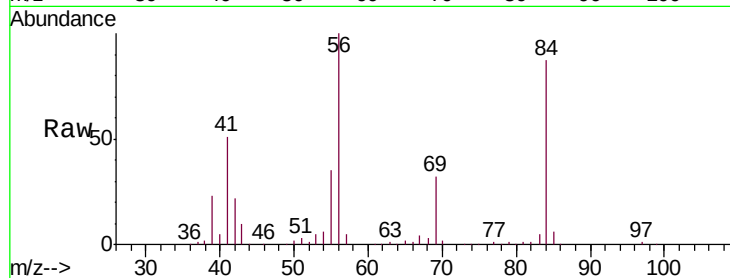
Tgt Ion: 56 Resp: 240875

Ion Ratio Lower Upper

56 100

69 31.5 25.2 37.8

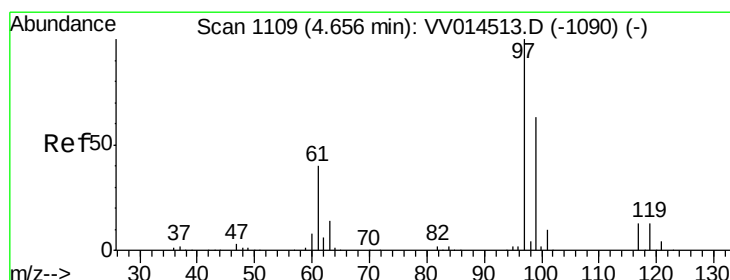
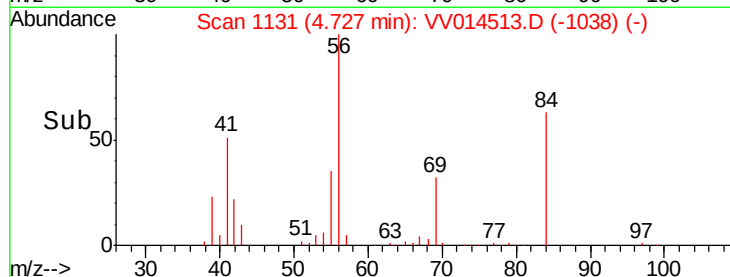
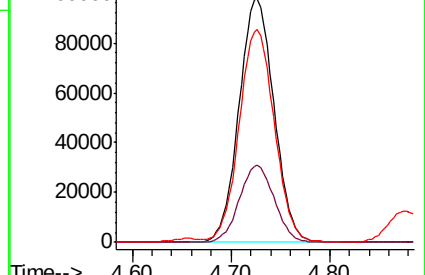
84 87.3 69.8 104.8



Abundance Ion 56.00 (55.70 to 56.70): VV014513.D (-1110) (-)

Ion 69.00 (68.70 to 69.70): VV014513.D (-1110) (-)

Ion 84.00 (83.70 to 84.70): VV014513.D (-1110) (-)



#30

1,1,1-Trichloroethane

Concen: 53.070 ug/L

RT: 4.66 min Scan# 1109

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

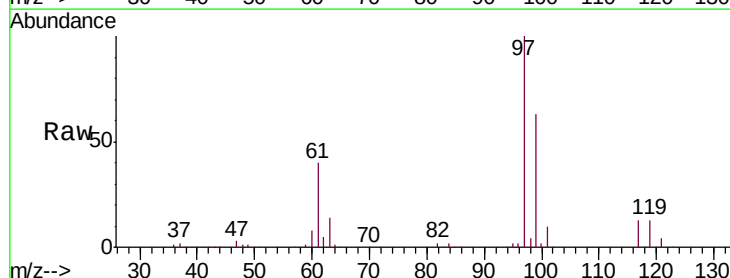
Tgt Ion: 97 Resp: 224422

Ion Ratio Lower Upper

97 100

99 63.3 50.6 76.0

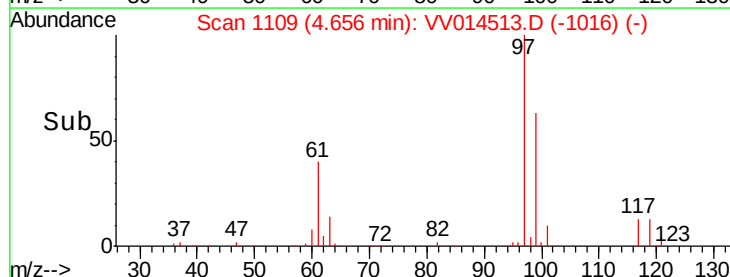
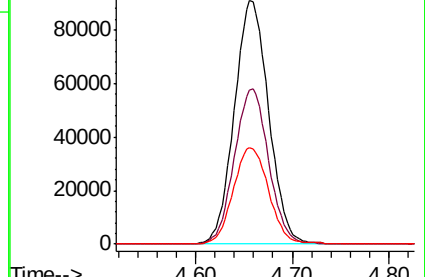
61 41.2 33.0 49.4

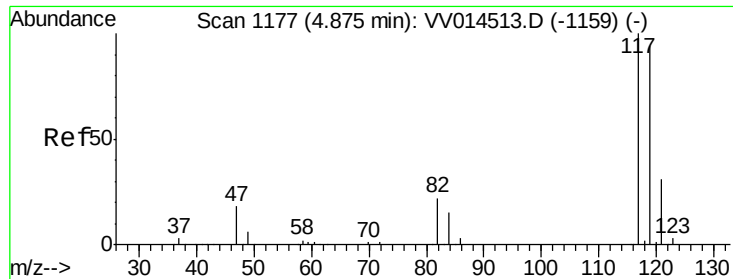


Abundance Ion 97.00 (96.70 to 97.70): VV014513.D (-1090) (-)

Ion 99.00 (98.70 to 99.70): VV014513.D (-1090) (-)

Ion 61.05 (60.75 to 61.75): VV014513.D (-1090) (-)





#31

Carbon tetrachloride

Concen: 50.453 ug/L

RT: 4.87 min Scan# 1177

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

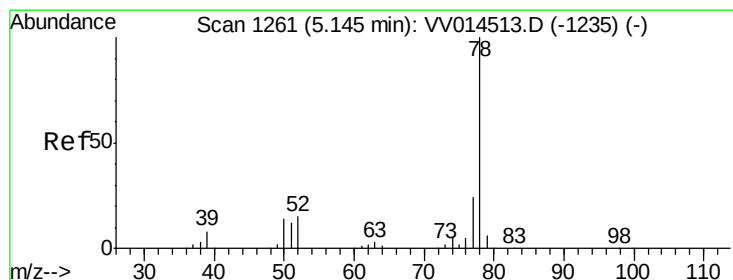
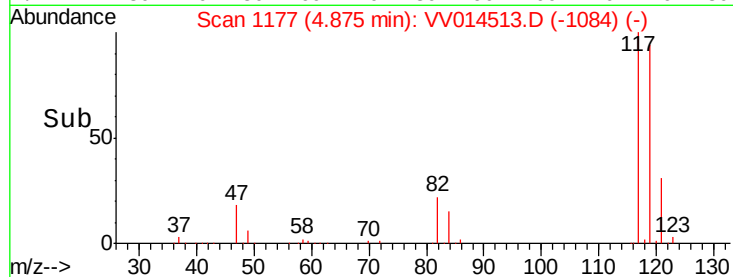
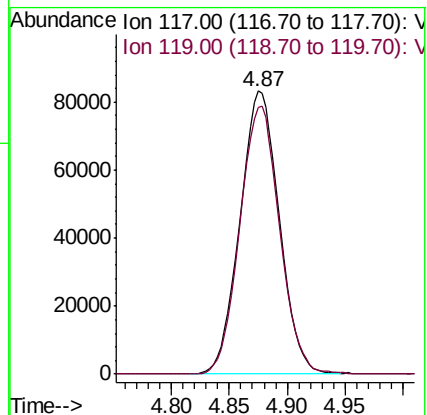
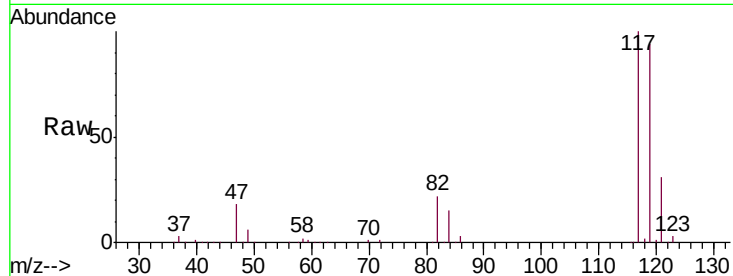
VSTD050203

Tgt Ion:117 Resp: 195793

Ion Ratio Lower Upper

117 100

119 95.9 76.7 115.1



#33

Benzene

Concen: 60.811 ug/L

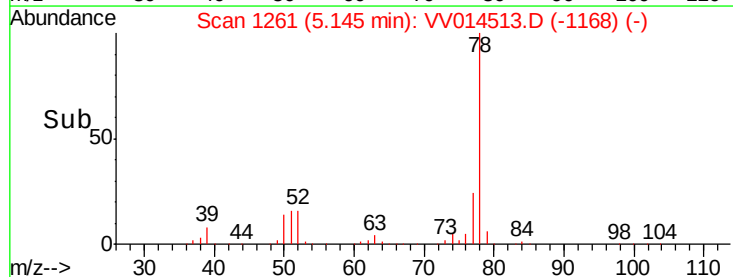
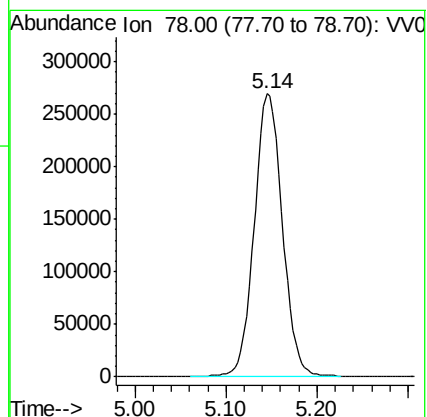
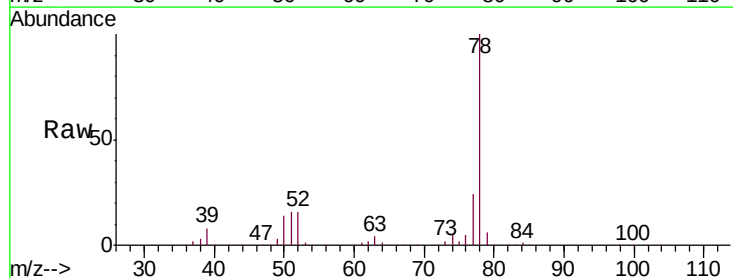
RT: 5.14 min Scan# 1261

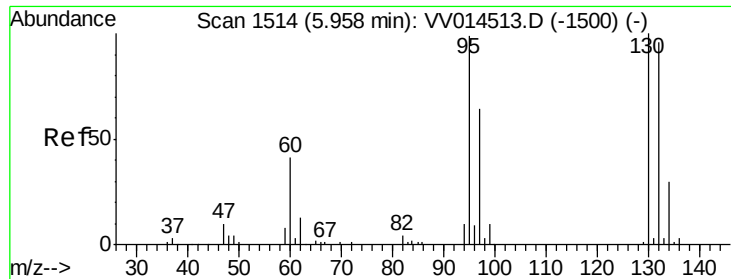
Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Tgt Ion: 78 Resp: 580234





#34

Trichloroethene

Concen: 57.385 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

VSTD050203

Tgt Ion: 95 Resp: 149604

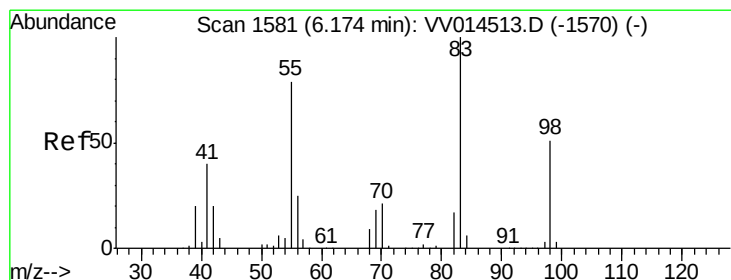
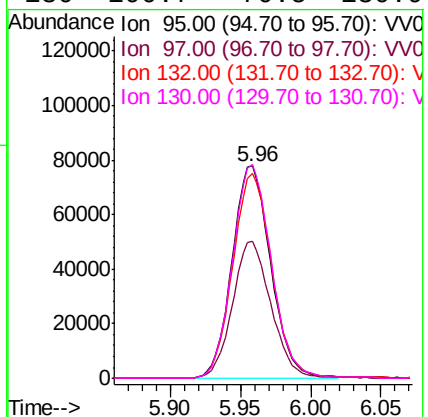
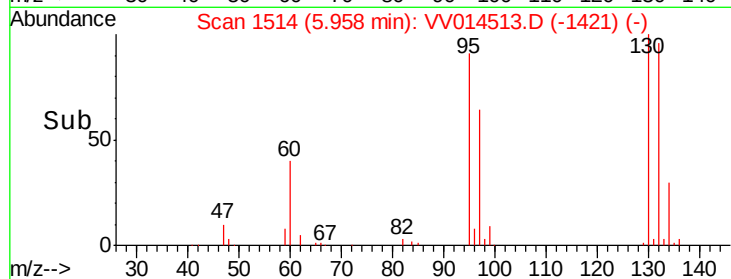
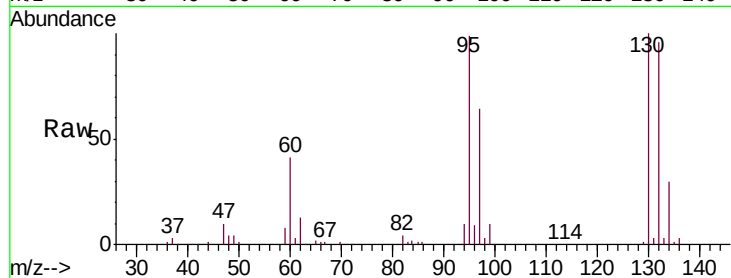
Ion Ratio Lower Upper

95 100

97 64.4 45.1 83.7

132 96.7 67.7 125.7

130 100.7 70.5 130.9



#35

Methylcyclohexane

Concen: 61.899 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

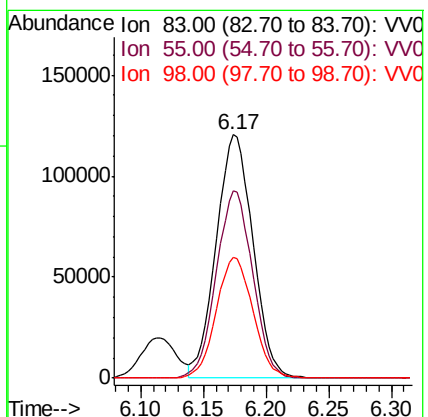
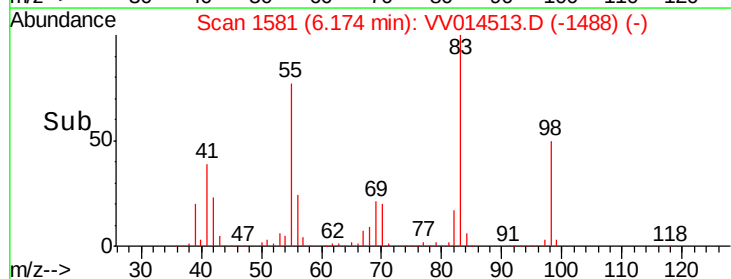
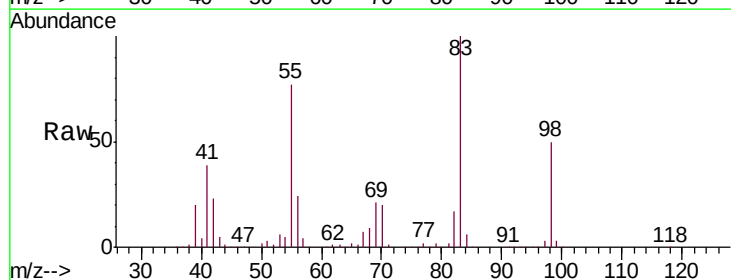
Tgt Ion: 83 Resp: 245331

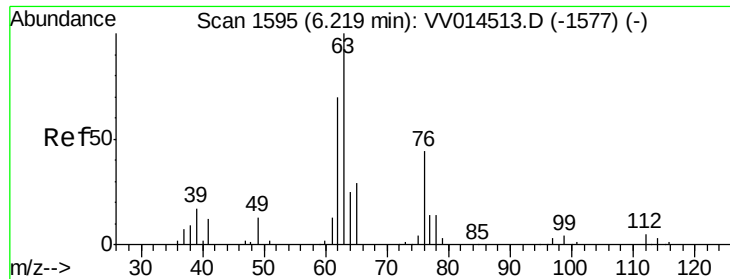
Ion Ratio Lower Upper

83 100

55 75.9 60.7 91.1

98 49.2 39.4 59.0

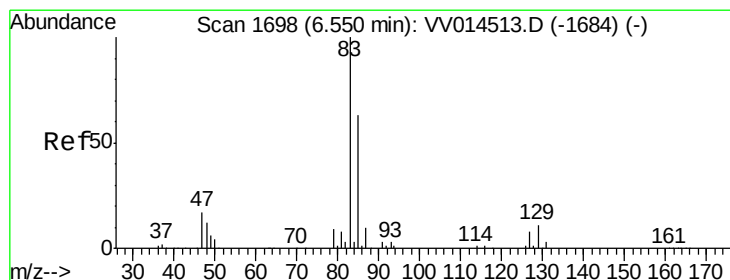
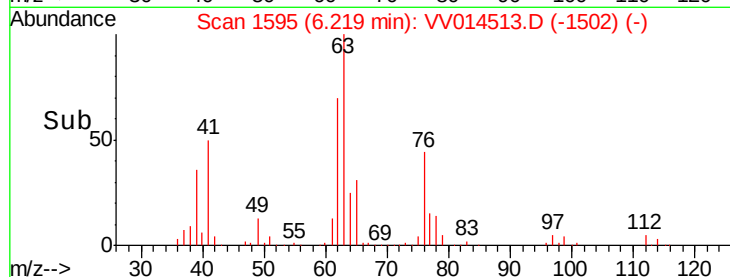
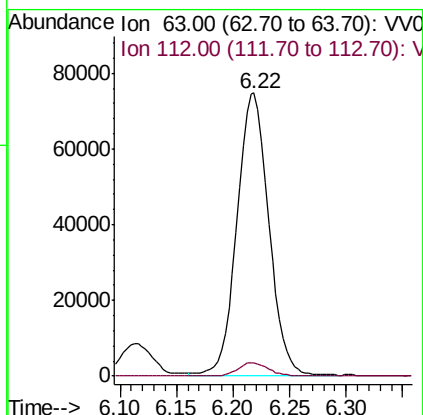
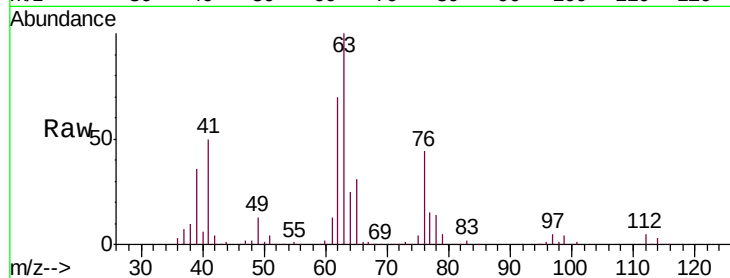




#37
 1,2-Dichloropropane
 Concen: 62.338 ug/L
 RT: 6.22 min Scan# 1595
 Delta R.T. 0.00 min
 Lab File: VV014513.D
 Acq: 06 Feb 2020 11:09

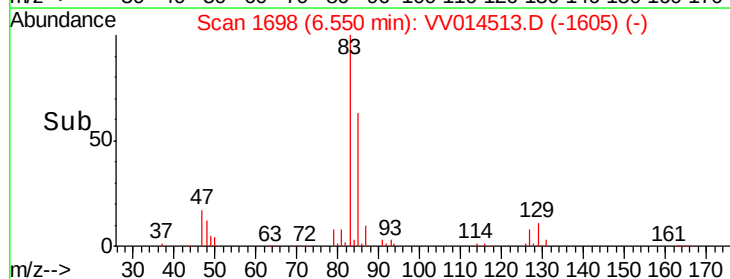
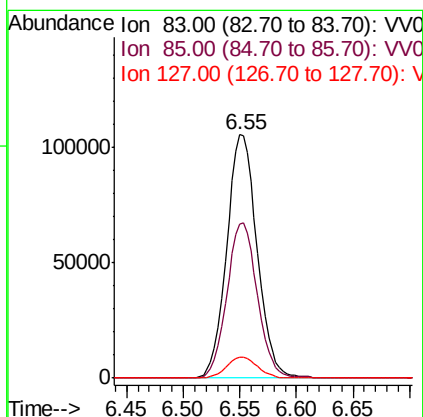
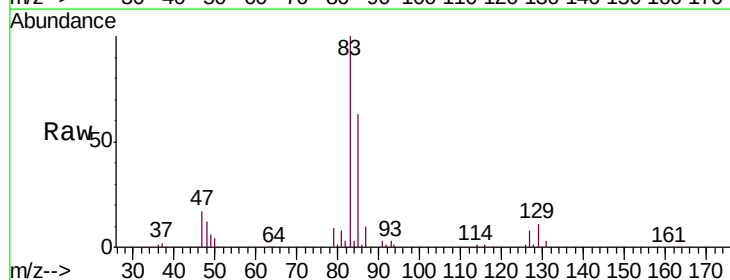
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050203

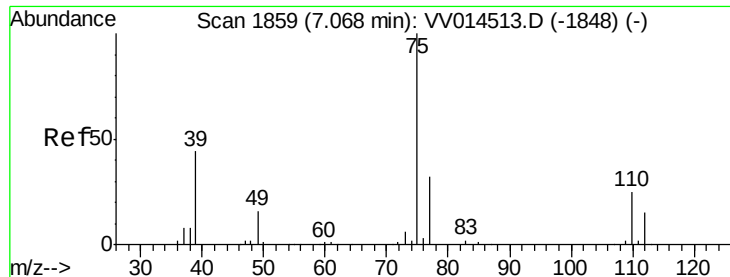
Tgt Ion: 63 Resp: 146217
 Ion Ratio Lower Upper
 63 100
 112 4.6 3.7 5.5



#38
 Bromodichloromethane
 Concen: 55.409 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. 0.00 min
 Lab File: VV014513.D
 Acq: 06 Feb 2020 11:09

Tgt Ion: 83 Resp: 197125
 Ion Ratio Lower Upper
 83 100
 85 63.4 44.4 82.4
 127 8.4 6.7 10.1





#39

cis-1,3-Dichloropropene

Concen: 59.944 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

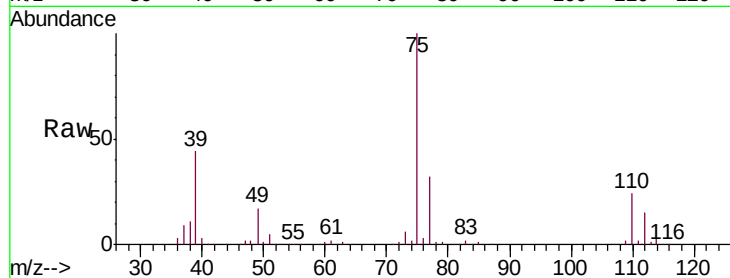
VSTD050203

Tgt Ion: 75 Resp: 245574

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.07

150000

100000

50000

0

7.00 7.05 7.10 7.15 7.20

Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.07

150000

100000

50000

0

7.00 7.05 7.10 7.15 7.20

Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.07

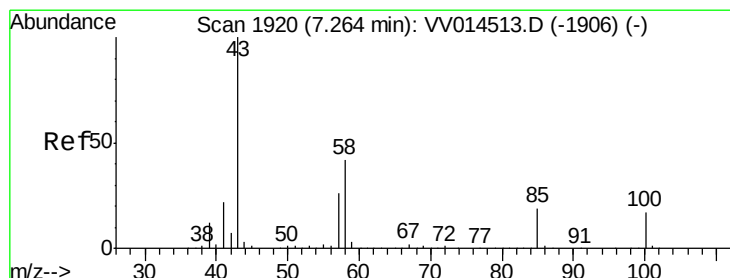
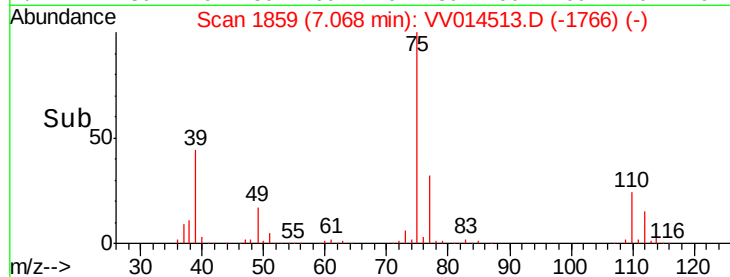
150000

100000

50000

0

7.00 7.05 7.10 7.15 7.20



#40

4-Methyl-2-pentanone

Concen: 127.758 ug/L

RT: 7.26 min Scan# 1920

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

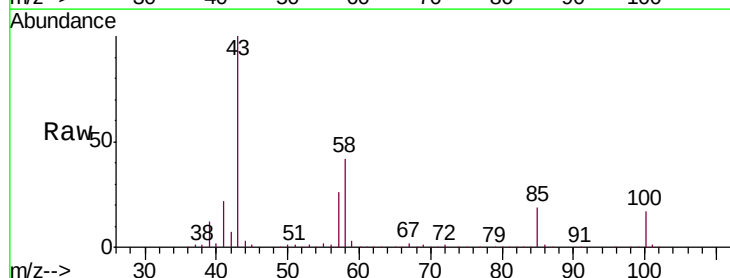
Tgt Ion: 43 Resp: 389153

Ion Ratio Lower Upper

43 100

58 41.5 33.2 49.8

100 17.4 13.9 20.9



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

7.26

300000

250000

200000

150000

100000

50000

0

7.20 7.25 7.30 7.35

Abundance

Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0

Ion 100.00 (99.70 to 100.70): VV0

7.26

300000

250000

200000

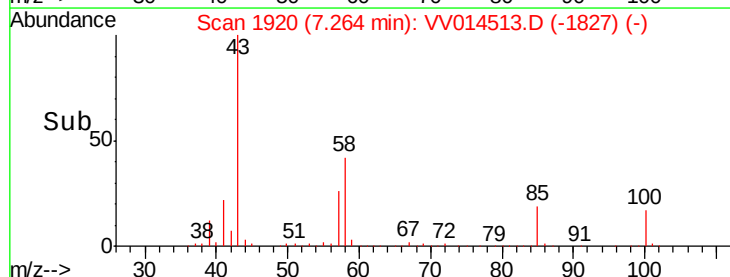
150000

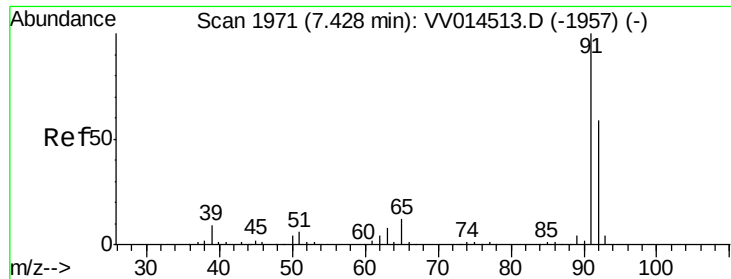
100000

50000

0

7.20 7.25 7.30 7.35





#42

Toluene

Concen: 58.776 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV014513.D

Acq: 06 Feb 2020 11:09

Instrument :

MSVOA_V

ClientSampleId :

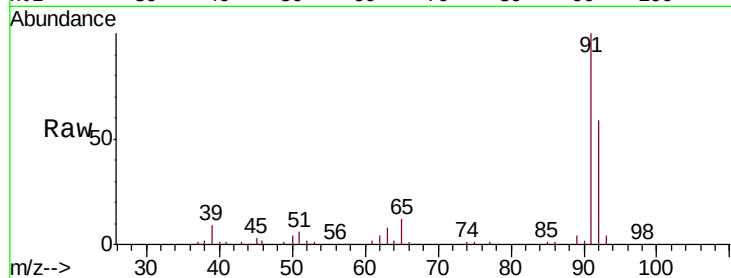
VSTD050203

Tgt Ion: 91 Resp: 614681

Ion Ratio Lower Upper

91 100

92 59.4 41.6 77.2



Abundance Ion 91.00 (90.70 to 91.70): VV0

Ion 92.00 (91.70 to 92.70): VV0

7.43

400000

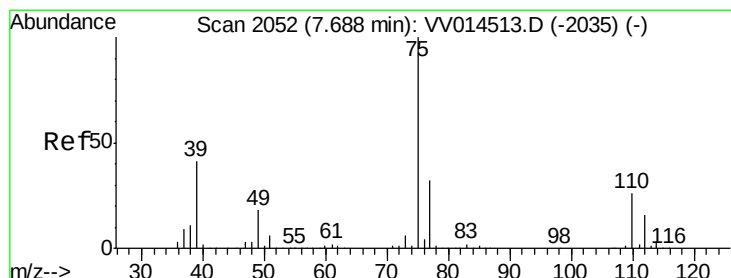
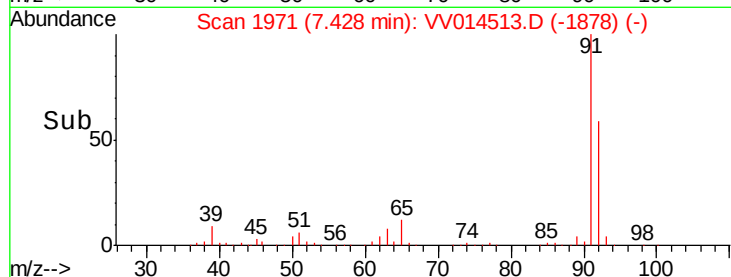
300000

200000

100000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 58.251 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. 0.00 min

Lab File: VV014513.D

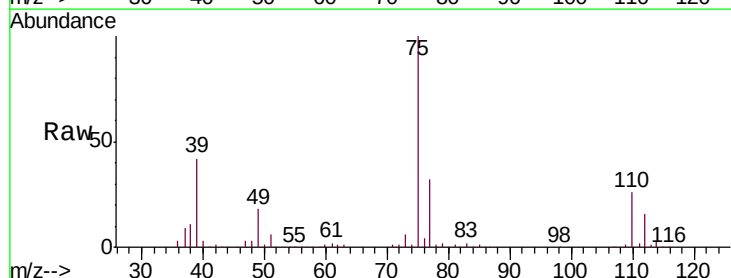
Acq: 06 Feb 2020 11:09

Tgt Ion: 75 Resp: 222239

Ion Ratio Lower Upper

75 100

77 31.7 22.2 41.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

7.69

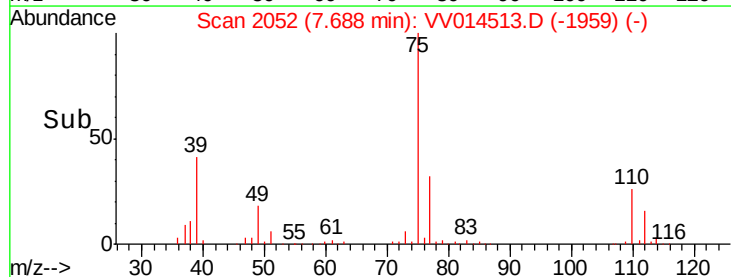
150000

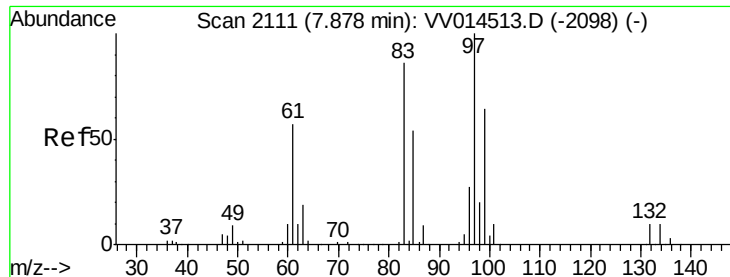
100000

50000

0

Time-->

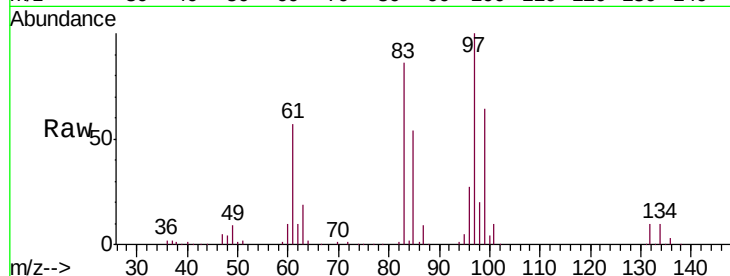




#45
 1,1,2-Trichloroethane
 Concen: 56.916 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. 0.00 min
 Lab File: VV014513.D
 Acq: 06 Feb 2020 11:09

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD050203

Tgt Ion:	97	Resp:	140307
Ion	Ratio	Lower	Upper
97	100		
99	63.6	44.5	82.7
83	85.8	60.1	111.5
85	54.5	38.1	70.9



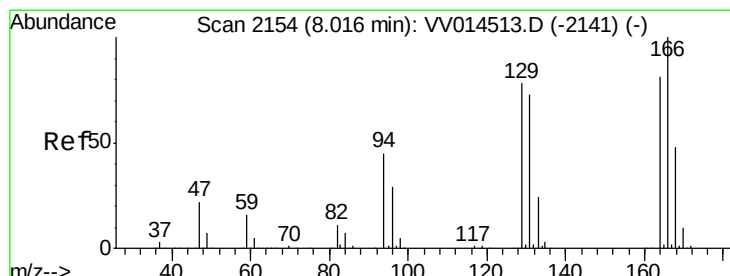
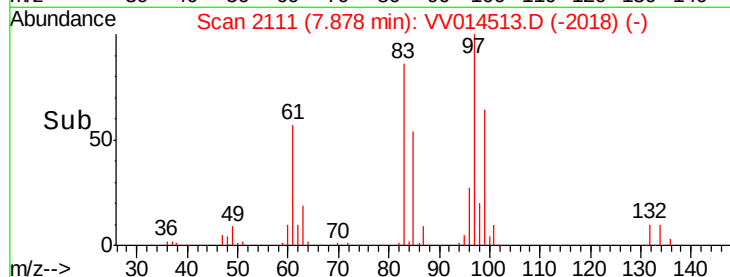
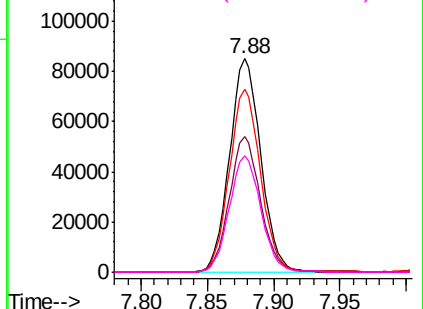
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

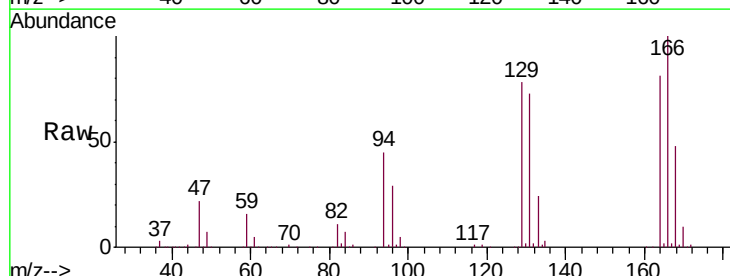
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.361 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. 0.00 min
 Lab File: VV014513.D
 Acq: 06 Feb 2020 11:09

Tgt Ion:	164	Resp:	115686
Ion	Ratio	Lower	Upper
164	100		
129	97.2	68.0	126.4
131	90.6	63.4	117.8
166	124.1	86.9	161.3



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

