

Data File : VV013683.D
Acq On : 19 Nov 2019 18:12
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

Quant Time: Nov 20 01:35:58 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR111519WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Wed Nov 20 01:31:47 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	483194	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	461996	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	252531	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	102998	3.45	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	69.00%
7) Chloroethane-d5	1.58	69	102899	3.86	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	77.20%
11) 1,1-Dichloroethene-d2	2.13	63	215850	4.03	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	80.60%
20) 2-Butanone-d5	3.96	46	389677	56.45	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	112.90%
24) Chloroform-d	4.40	84	273051	4.14	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	82.80%
26) 1,2-Dichloroethane-d4	5.08	65	136024	4.29	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	85.80%
32) Benzene-d6	5.09	84	525329	4.08	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	81.60%
36) 1,2-Dichloropropane-d6	6.11	67	166289	4.37	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	87.40%
41) Toluene-d8	7.35	98	485446	4.06	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	81.20%
43) trans-1,3-Dichloropropene-	7.66	79	62080	4.24	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	84.80%
46) 2-Hexanone-d5	8.13	63	307924	55.56	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	111.12%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	127867	4.65	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	93.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	208276	4.29	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	85.80%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	215078	4.840 ug/L	99
3) Chloromethane	1.25	50	201355	4.710 ug/L	98
5) Vinyl chloride	1.32	62	200489	4.923 ug/L	99
6) Bromomethane	1.53	94	113313	4.565 ug/L	99
8) Chloroethane	1.60	64	114955	5.029 ug/L	100
9) Trichlorofluoromethane	1.77	101	270528	4.997 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	153069	5.148 ug/L	97
12) 1,1-Dichloroethene	2.14	96	145970	5.056 ug/L	96
13) Acetone	2.22	43	261665	60.083 ug/L #	35
14) Carbon disulfide	2.31	76	464931	4.669 ug/L	100
15) Methyl Acetate	2.47	43	67258	5.453 ug/L	99
16) Methylene chloride	2.53	84	178296	4.444 ug/L	99
17) Methyl tert-butyl Ether	2.80	73	398979	5.411 ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	175324	4.925 ug/L	92
19) 1,1-Dichloroethane	3.23	63	316596	4.980 ug/L	99
21) 2-Butanone	4.04	43	468663	64.173 ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	188313	5.096 ug/L #	97

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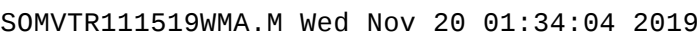
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

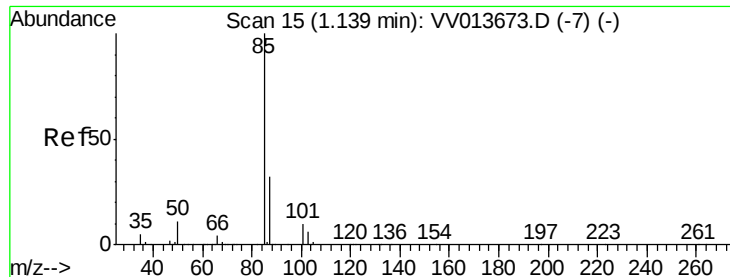
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	86308	5.067	ug/L	97
25) Chloroform	4.42	83	320610	3.724	ug/L	98
27) 1,2-Dichloroethane	5.18	62	196679	5.142	ug/L	100
29) 1,1,1-Trichloroethane	4.65	97	277981	4.978	ug/L	98
30) Cyclohexane	4.72	56	296534	5.337	ug/L	100
31) Carbon tetrachloride	4.87	117	248328	4.922	ug/L	96
33) Benzene	5.14	78	717413	5.130	ug/L	100
34) Trichloroethene	5.96	95	188905	5.047	ug/L	98
35) Methylcyclohexane	6.17	83	312099	5.467	ug/L	97
37) 1,2-Dichloropropane	6.22	63	178688	5.336	ug/L	99
38) Bromodichloromethane	6.55	83	222722	4.769	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	260075	5.404	ug/L	98
40) 4-Methyl-2-pentanone	7.27	43	1148713	58.966	ug/L	98
42) Toluene	7.43	91	801155	5.362	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	201653	5.316	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	126471	5.237	ug/L	98
47) Tetrachloroethene	8.01	164	175524	5.061	ug/L	98
48) 2-Hexanone	8.18	43	821979	59.492	ug/L	97
49) Dibromochloromethane	8.29	129	158717	5.178	ug/L	100
50) 1,2-Dibromoethane	8.39	107	120154	5.180	ug/L	99
51) Chlorobenzene	8.92	112	502709	5.075	ug/L	100
52) Ethylbenzene	9.05	91	863652	5.423	ug/L	100
53) m,p-xylene	9.18	106	348280	5.799	ug/L	100
54) o-xylene	9.58	106	316110	5.472	ug/L	99
55) Styrene	9.60	104	541977	5.547	ug/L	98
56) Isopropylbenzene	9.97	105	845683	5.506	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.28	83	142120	5.305	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	110270	5.328	ug/L	98
61) Bromoform	9.77	173	96245	5.091	ug/L	97
62) 1,3-Dichlorobenzene	11.22	146	436538	5.158	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	430009	5.003	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	396939	5.035	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.47	75	23275	4.944	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	360368	5.130	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	299640	5.192	ug/L	98
69) Naphthalene	13.55	128	449881	5.708	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	282862	5.366	ug/L	100

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

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#2

Dichlorodifluoromethane

Concen: 4.840 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

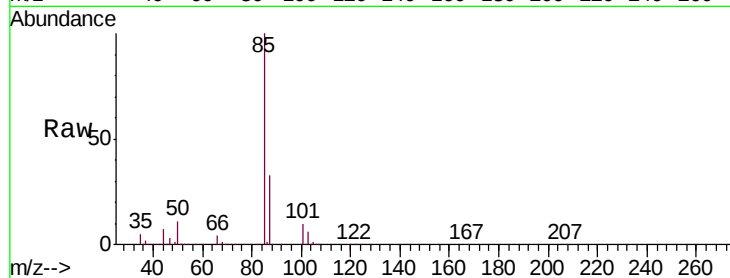
VSTD00541

Tgt Ion: 85 Resp: 215078

Ion Ratio Lower Upper

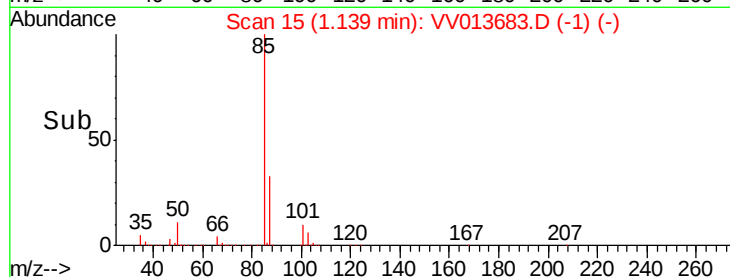
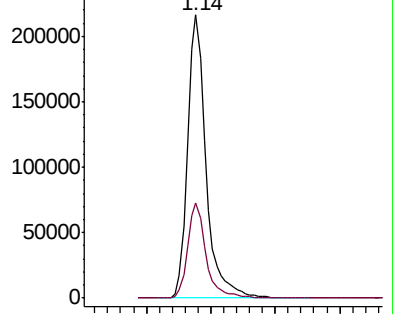
85 100

87 33.3 26.0 39.0

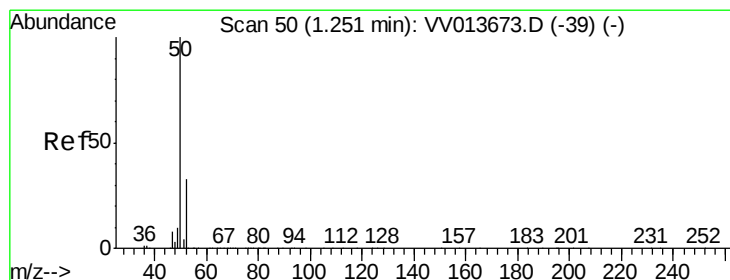


Abundance Ion 85.00 (84.70 to 85.70): VV013673.D (-7) (-)

Ion 87.00 (86.70 to 87.70): VV013673.D (-7) (-)



Time-->



#3

Chloromethane

Concen: 4.710 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV013683.D

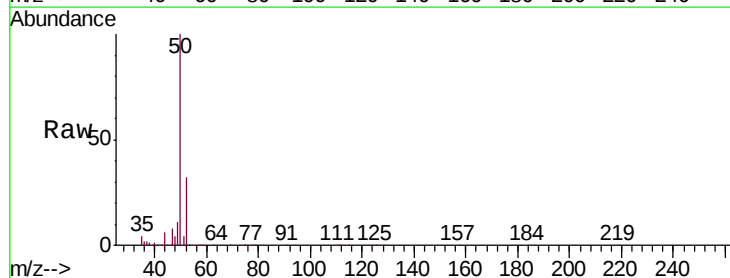
Acq: 19 Nov 2019 18:12

Tgt Ion: 50 Resp: 201355

Ion Ratio Lower Upper

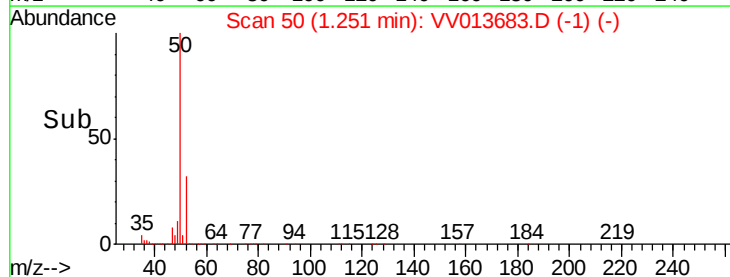
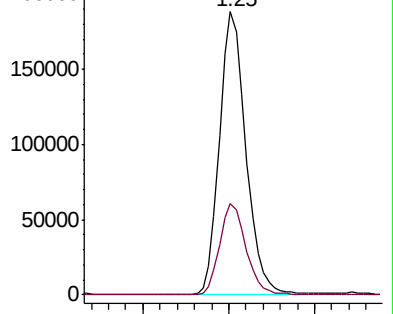
50 100

52 32.3 23.4 43.4

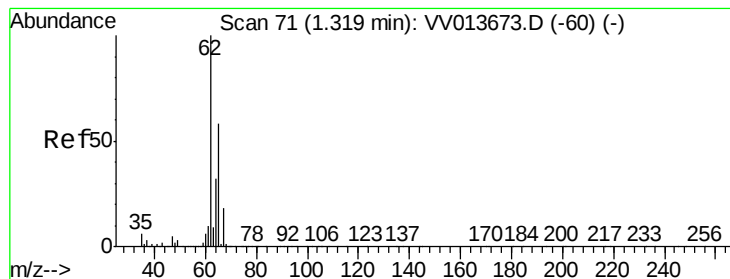


Abundance Ion 50.05 (49.75 to 50.75): VV013673.D (-39) (-)

Ion 52.05 (51.75 to 52.75): VV013673.D (-39) (-)



Time-->



#5

Vinyl chloride

Concen: 4.923 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

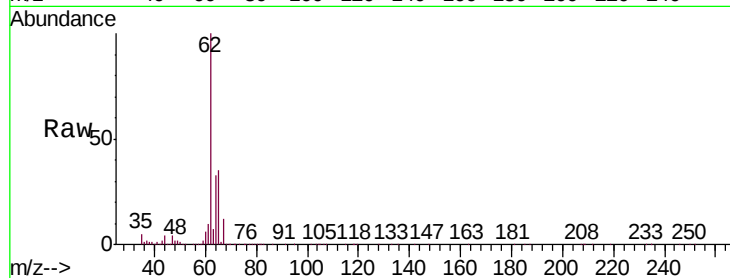
VSTD00541

Tgt Ion: 62 Resp: 200489

Ion Ratio Lower Upper

62 100

64 32.7 23.4 43.6



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

200000

150000

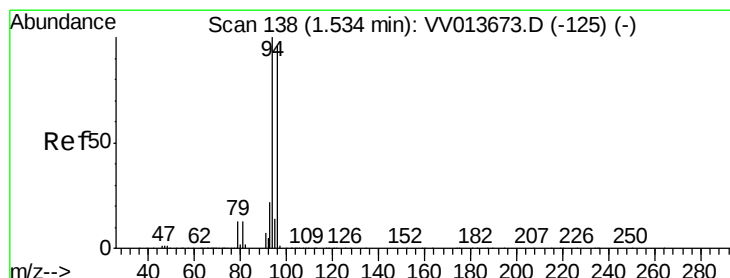
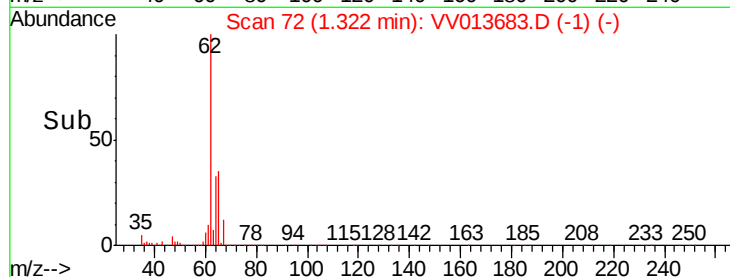
100000

50000

0

1.25 1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 4.565 ug/L

RT: 1.53 min Scan# 138

Delta R.T. -0.00 min

Lab File: VV013683.D

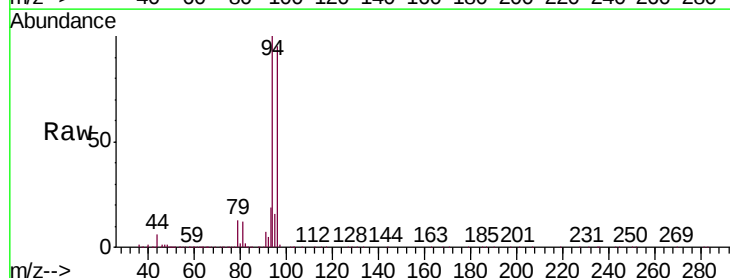
Acq: 19 Nov 2019 18:12

Tgt Ion: 94 Resp: 113313

Ion Ratio Lower Upper

94 100

96 95.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

120000

100000

80000

60000

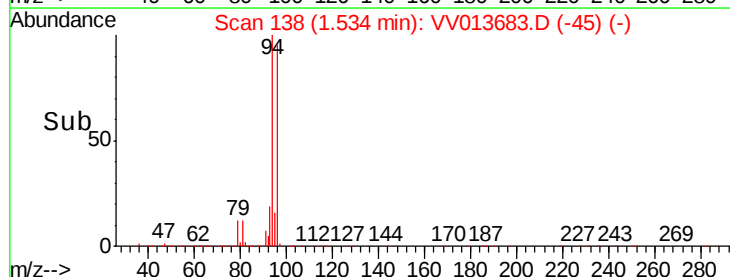
40000

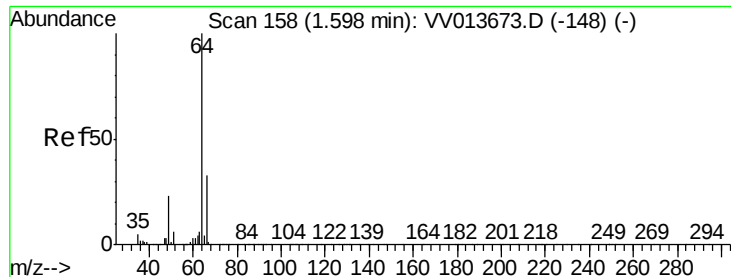
20000

0

1.45 1.50 1.55 1.60 1.65

Time-->





#8

Chloroethane

Concen: 5.029 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

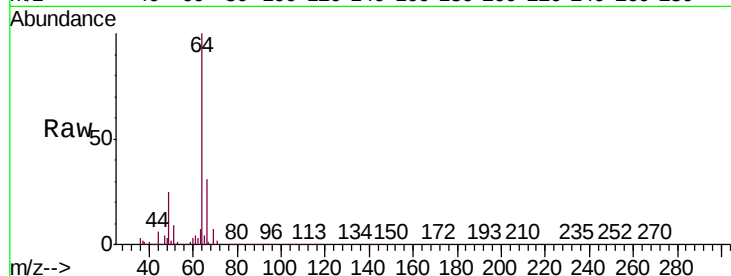
VSTD00541

Tgt Ion: 64 Resp: 114955

Ion Ratio Lower Upper

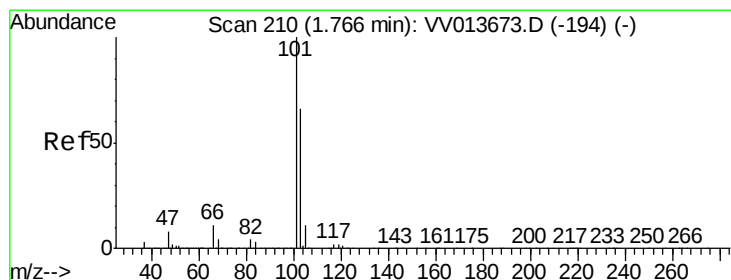
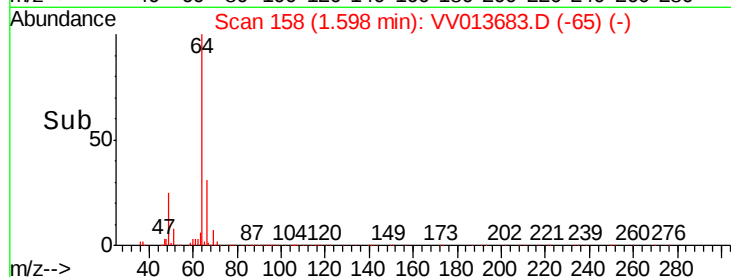
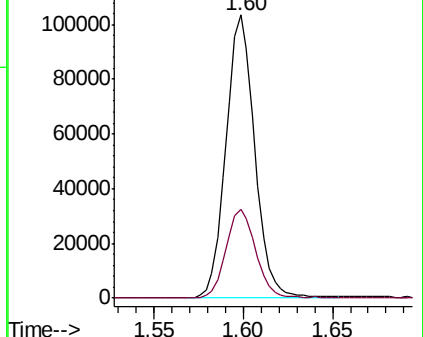
64 100

66 31.3 21.9 40.7



Abundance Ion 64.10 (63.80 to 64.80): VV013683.D (-65) (-)

Ion 66.05 (65.75 to 66.75): VV013683.D (-65) (-)



#9

Trichlorofluoromethane

Concen: 4.997 ug/L

RT: 1.77 min Scan# 210

Delta R.T. -0.00 min

Lab File: VV013683.D

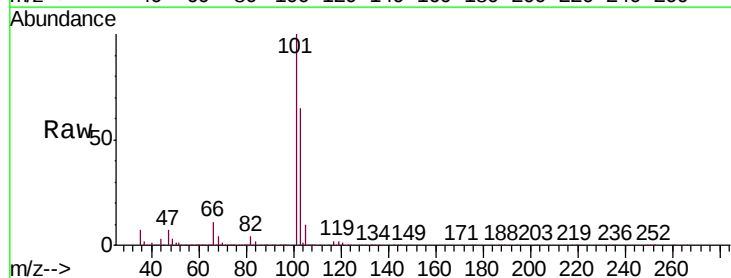
Acq: 19 Nov 2019 18:12

Tgt Ion: 101 Resp: 270528

Ion Ratio Lower Upper

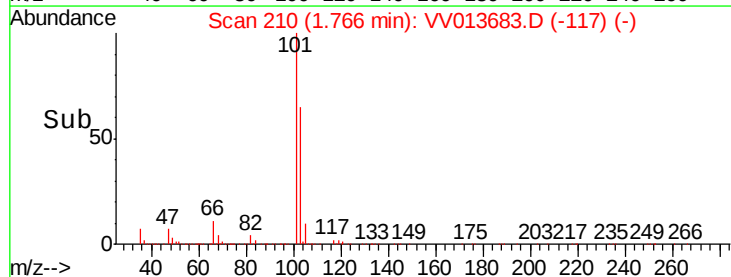
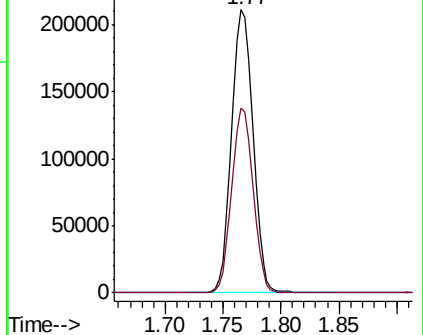
101 100

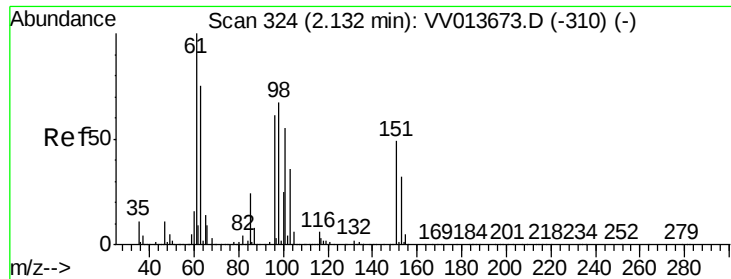
103 64.9 51.6 77.4



Abundance Ion 101.00 (100.70 to 101.70): VV013683.D (-117) (-)

Ion 103.00 (102.70 to 103.70): VV013683.D (-117) (-)





#10

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

Concen: 5.148 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

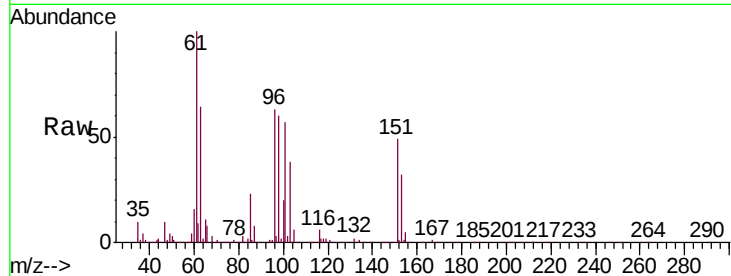
Tgt Ion: 101 Resp: 153069

Ion Ratio Lower Upper

101 100

85 40.5 32.0 48.0

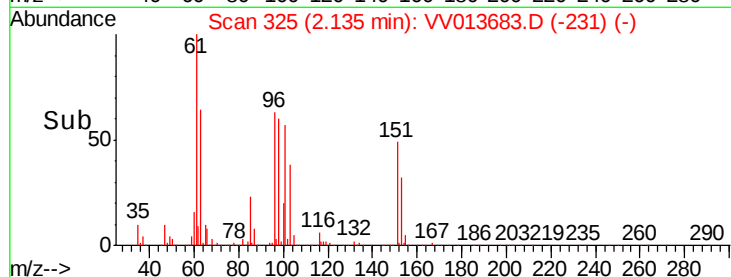
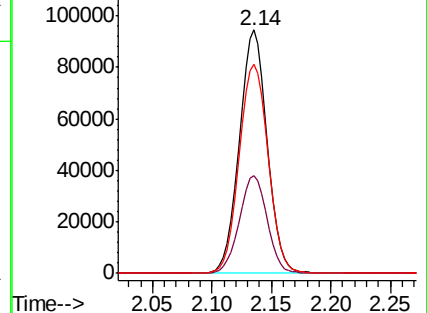
151 89.4 69.0 103.6



Abundance Ion 101.00 (100.70 to 101.70): VV013673.D (-310) (-)

Ion 85.00 (84.70 to 85.70): VV013673.D (-310) (-)

Ion 151.00 (150.70 to 151.70): VV013673.D (-310) (-)



#12

1,1-Dichloroethene

Concen: 5.056 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

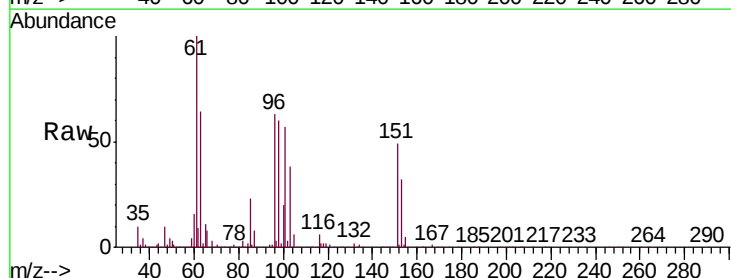
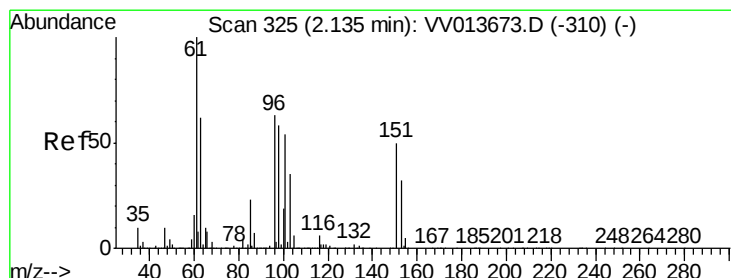
Tgt Ion: 96 Resp: 145970

Ion Ratio Lower Upper

96 100

61 159.5 112.5 208.9

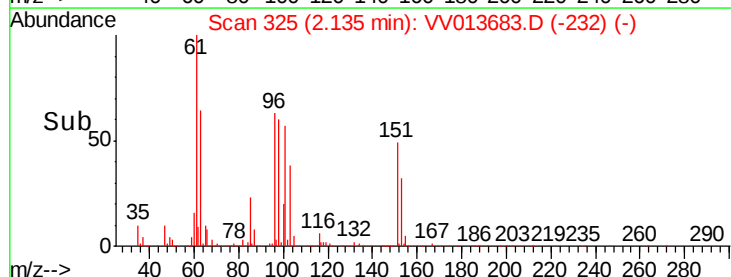
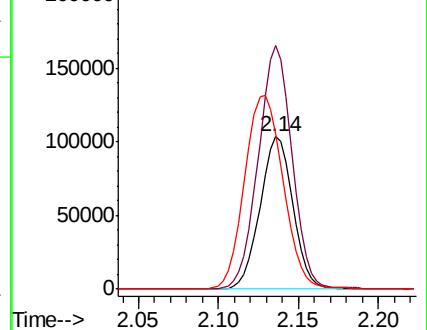
63 101.5 76.9 142.7

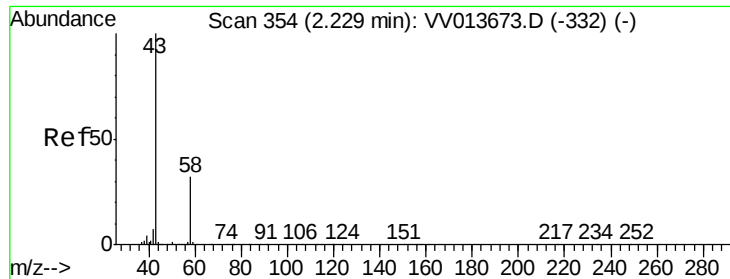


Abundance Ion 96.00 (95.70 to 96.70): VV013673.D (-310) (-)

Ion 61.05 (60.75 to 61.75): VV013673.D (-310) (-)

Ion 63.00 (62.70 to 63.70): VV013673.D (-310) (-)





#13

Acetone

Concen: 60.083 ug/L

RT: 2.22 min Scan# 352

Delta R.T. -0.01 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

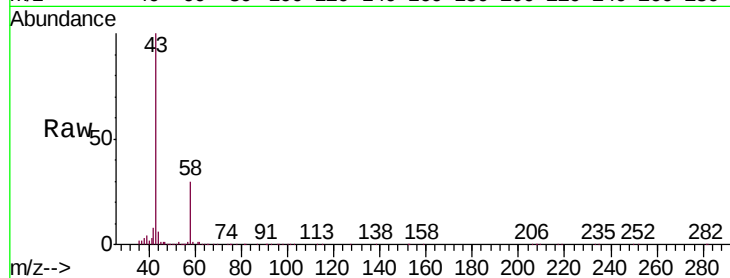
VSTD00541

Tgt Ion: 43 Resp: 261665

Ion Ratio Lower Upper

43 100

58 31.7 0.0 17.0#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.22

60000

50000

40000

30000

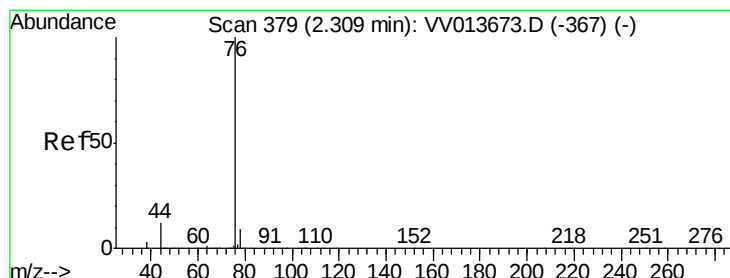
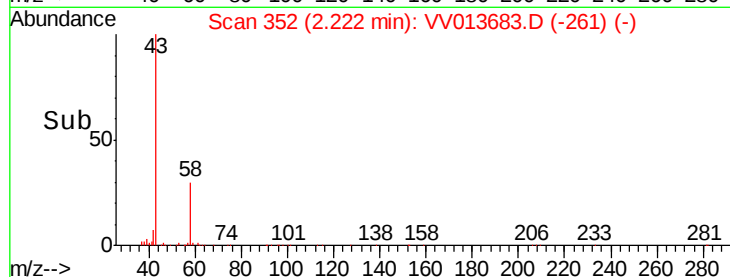
20000

10000

0

Time-->

2.10 2.20 2.30 2.40



#14

Carbon disulfide

Concen: 4.669 ug/L

RT: 2.31 min Scan# 380

Delta R.T. 0.00 min

Lab File: VV013683.D

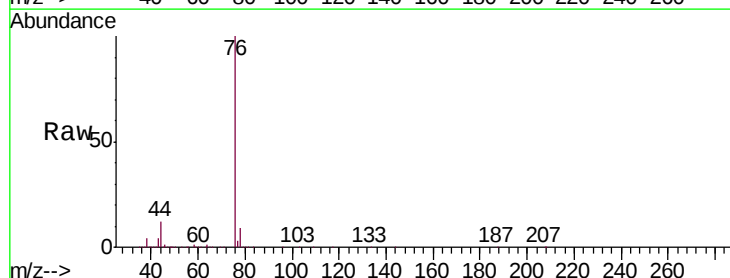
Acq: 19 Nov 2019 18:12

Tgt Ion: 76 Resp: 464931

Ion Ratio Lower Upper

76 100

78 9.2 7.4 11.2



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.31

300000

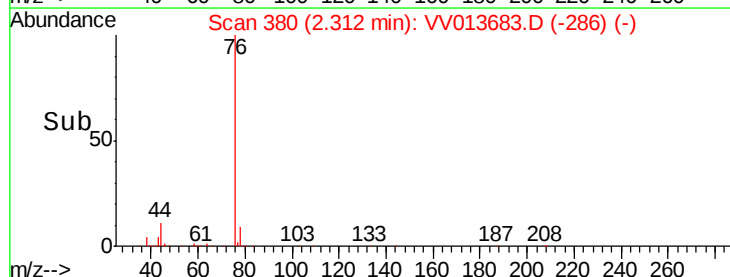
200000

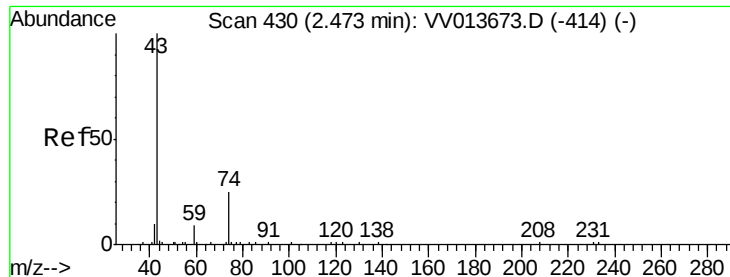
100000

0

Time-->

2.20 2.30 2.40

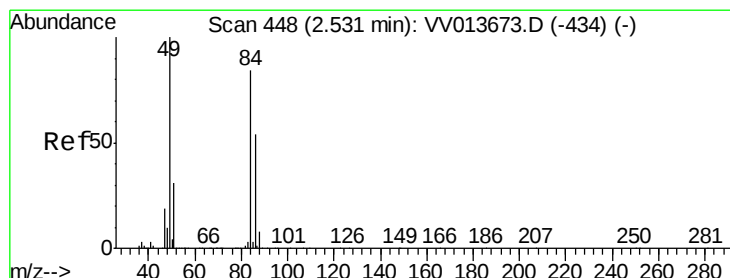
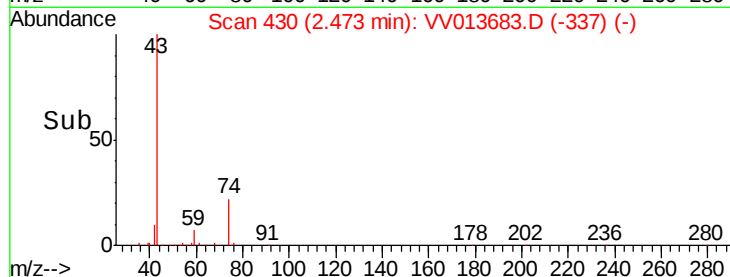
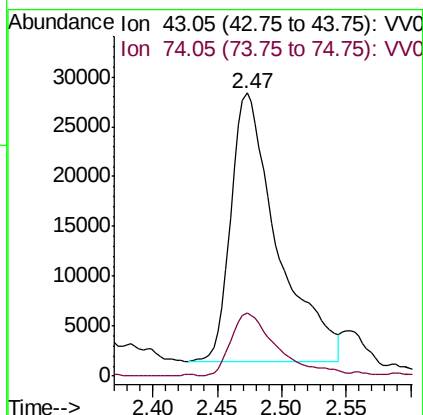
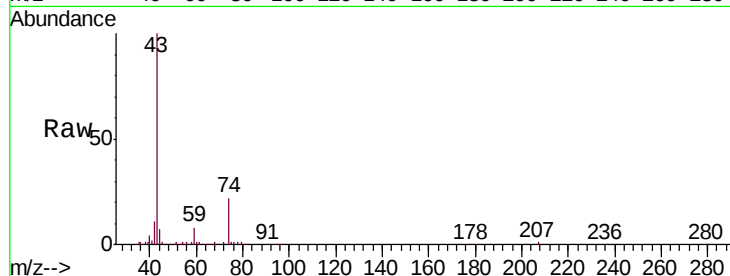




#15
Methyl Acetate
Concen: 5.453 ug/L
RT: 2.47 min Scan# 430
Delta R.T. -0.00 min
Lab File: VV013683.D
Acq: 19 Nov 2019 18:12

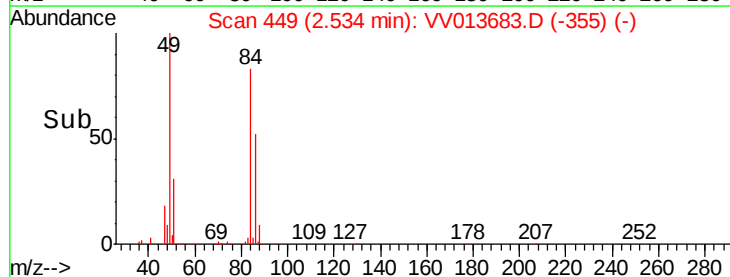
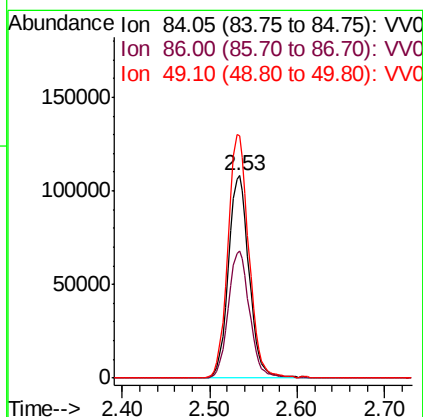
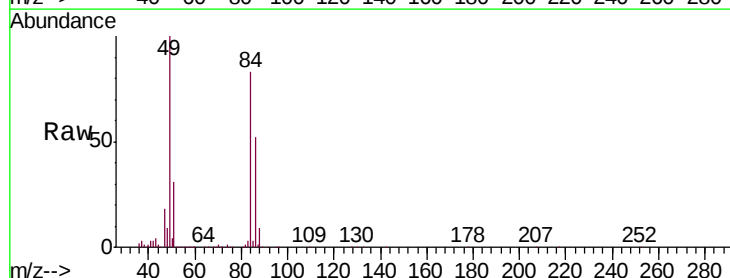
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

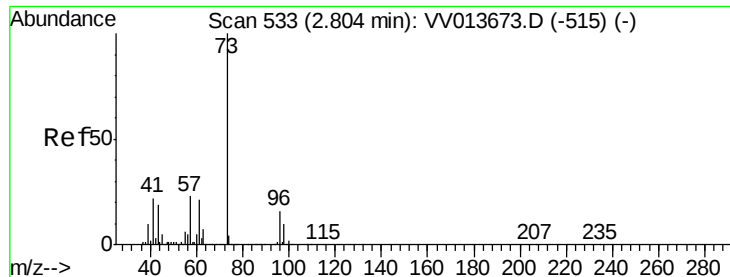
Tgt Ion: 43 Resp: 67258
Ion Ratio Lower Upper
43 100
74 23.9 18.9 28.3



#16
Methylene chloride
Concen: 4.444 ug/L
RT: 2.53 min Scan# 449
Delta R.T. 0.00 min
Lab File: VV013683.D
Acq: 19 Nov 2019 18:12

Tgt Ion: 84 Resp: 178296
Ion Ratio Lower Upper
84 100
86 63.0 44.1 81.9
49 120.1 83.4 155.0





#17

Methyl tert-butyl Ether

Concen: 5.411 ug/L

RT: 2.80 min Scan# 533

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

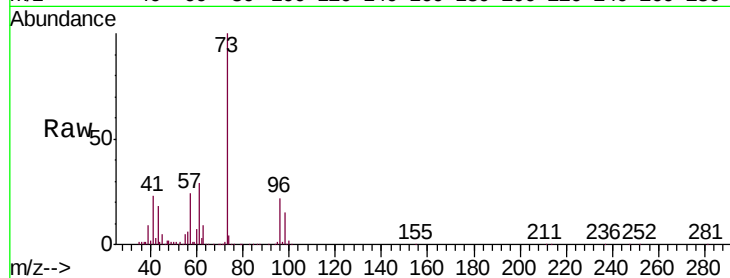
Tgt Ion: 73 Resp: 398979

Ion Ratio Lower Upper

73 100

43 18.4 15.4 23.0

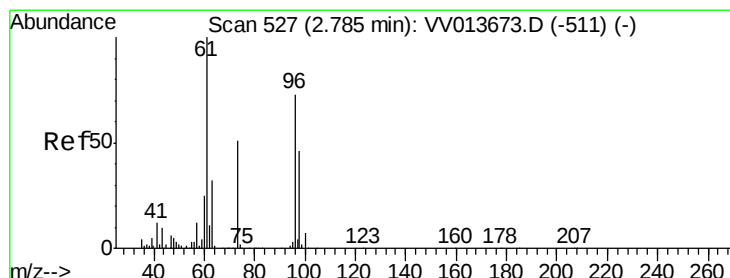
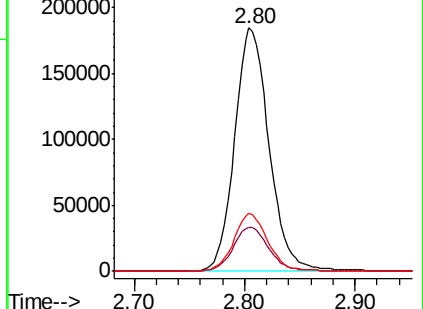
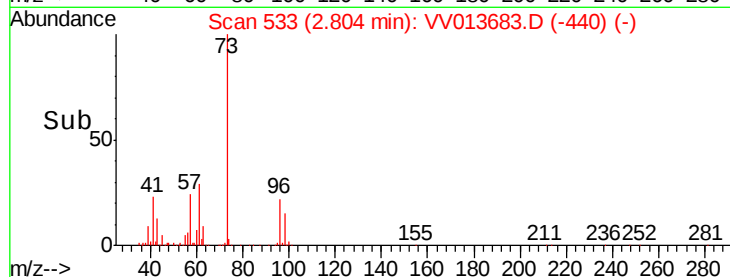
57 23.6 18.1 27.1



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 4.925 ug/L

RT: 2.79 min Scan# 528

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

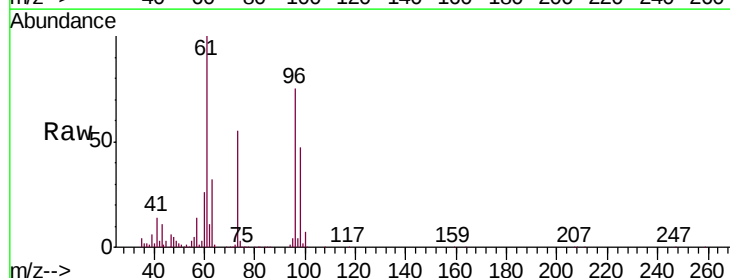
Tgt Ion: 96 Resp: 175324

Ion Ratio Lower Upper

96 100

61 132.5 101.0 187.6

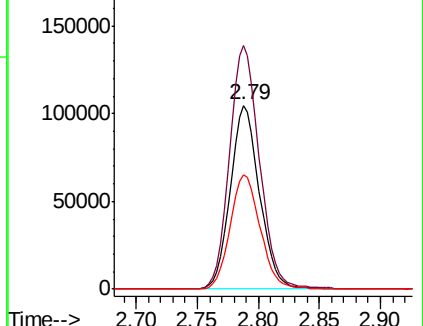
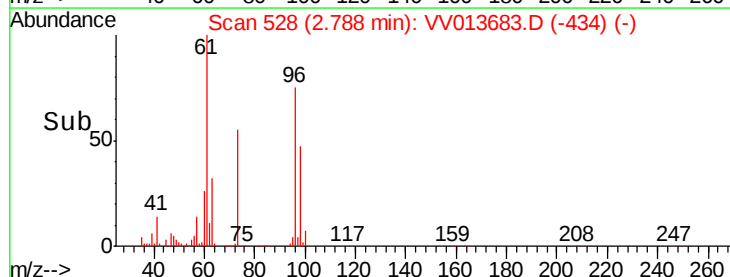
98 62.4 47.0 87.2

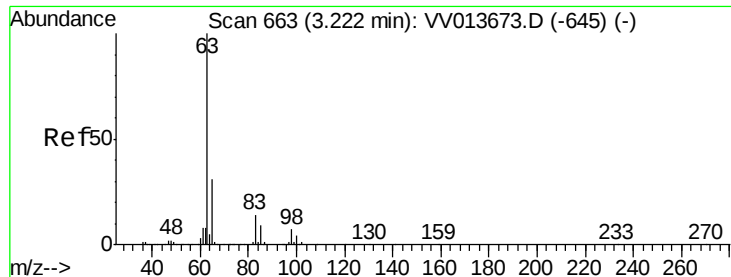


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 97.95 (97.65 to 98.65): VV0

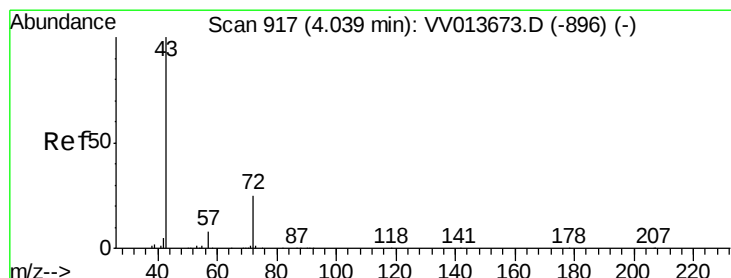
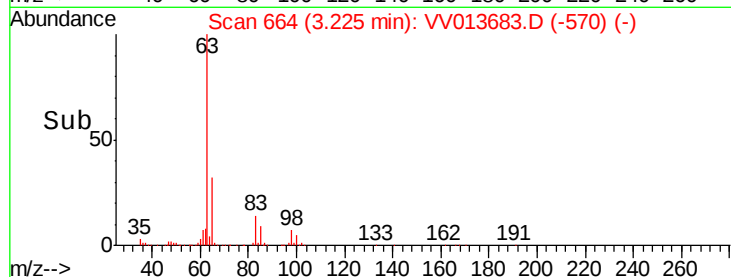
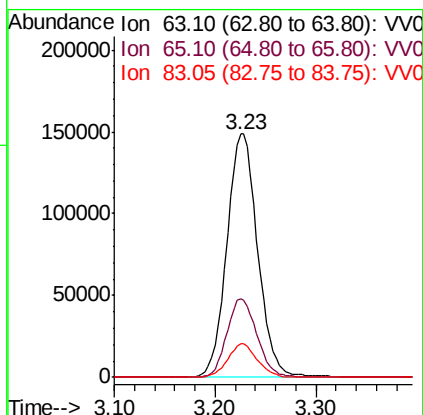
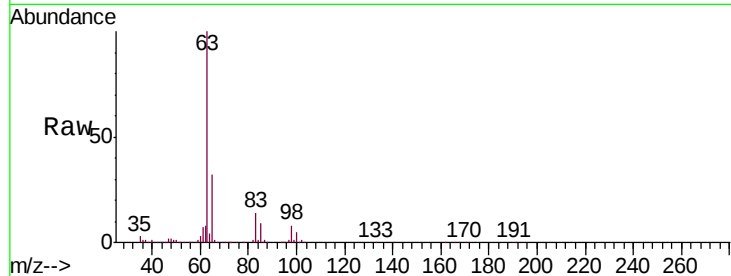




#19
 1,1-Dichloroethane
 Concen: 4.980 ug/L
 RT: 3.23 min Scan# 664
 Delta R.T. 0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

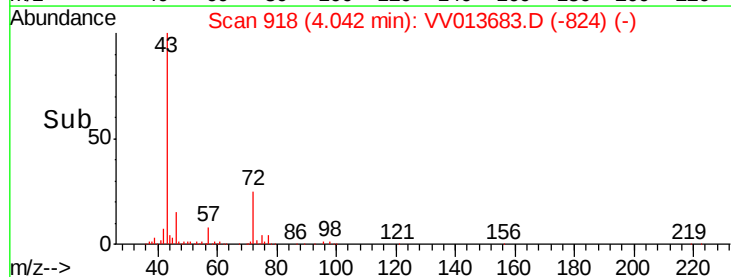
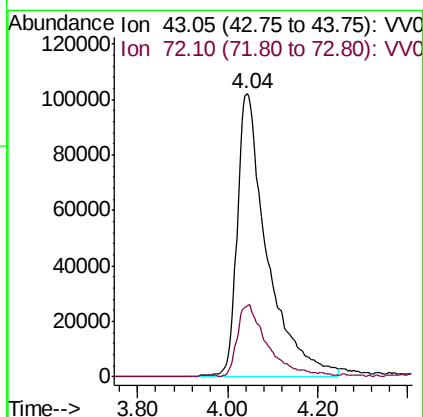
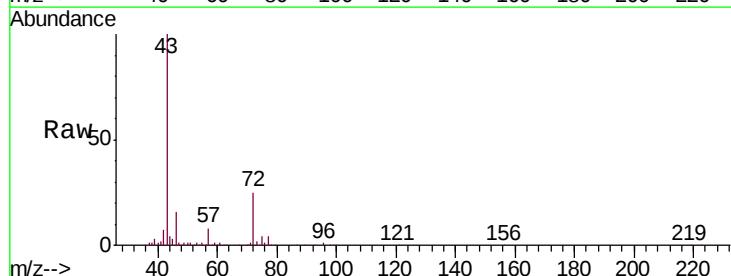
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

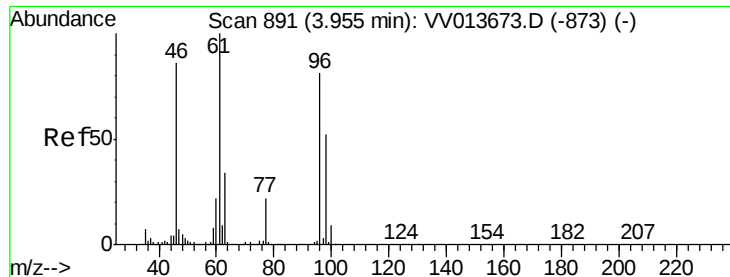
Tgt Ion: 63 Resp: 316596
 Ion Ratio Lower Upper
 63 100
 65 32.5 22.5 41.7
 83 13.6 9.7 17.9



#21
 2-Butanone
 Concen: 64.173 ug/L
 RT: 4.04 min Scan# 918
 Delta R.T. 0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

Tgt Ion: 43 Resp: 468663
 Ion Ratio Lower Upper
 43 100
 72 24.0 11.6 34.8



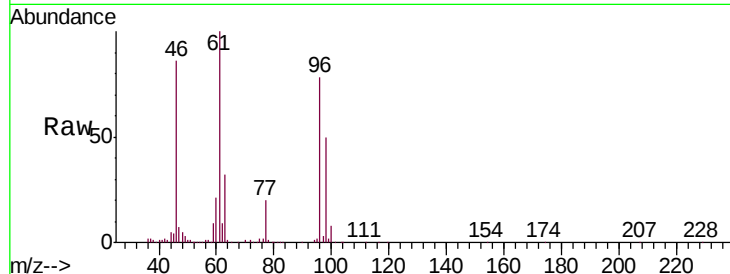


#22

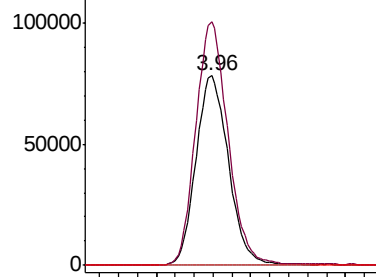
cis-1,2-Dichloroethene
 Concen: 5.096 ug/L
 RT: 3.96 min Scan# 892
 Delta R.T. 0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

Instrument :
 MSVOA_V
 ClientSampled :
 VSTD00541

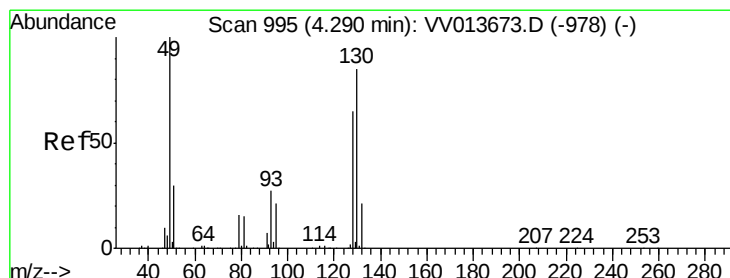
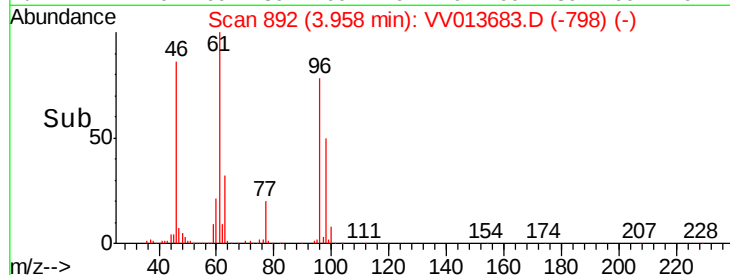
Tgt Ion: 96 Resp: 188313
 Ion Ratio Lower Upper
 96 100
 61 128.5 87.7 162.9
 68 0.0 0.1 0.3#



Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



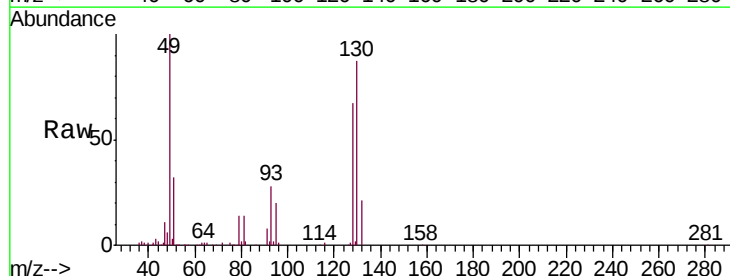
Time-->



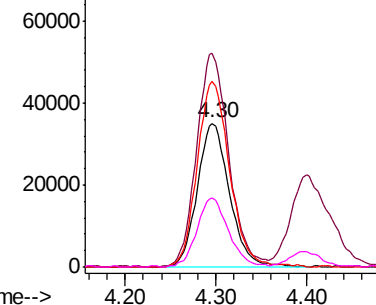
#23

Bromochloromethane
 Concen: 5.067 ug/L
 RT: 4.30 min Scan# 997
 Delta R.T. 0.01 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

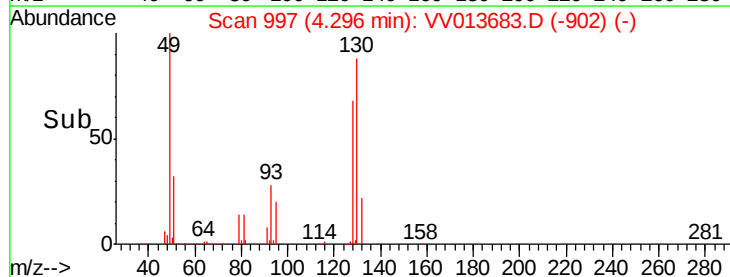
Tgt Ion: 128 Resp: 86308
 Ion Ratio Lower Upper
 128 100
 49 148.3 107.2 199.0
 130 128.7 87.9 163.3
 51 47.8 39.4 59.0

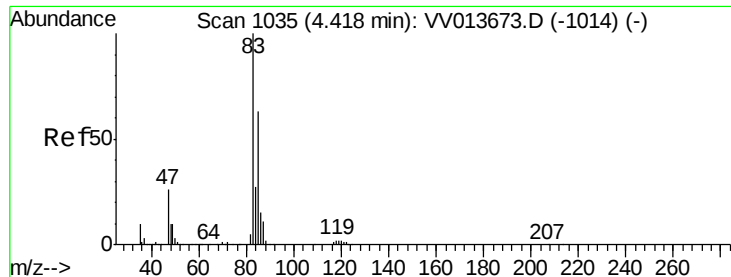


Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0



Time-->





#25

Chloroform

Concen: 3.724 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. 0.01 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

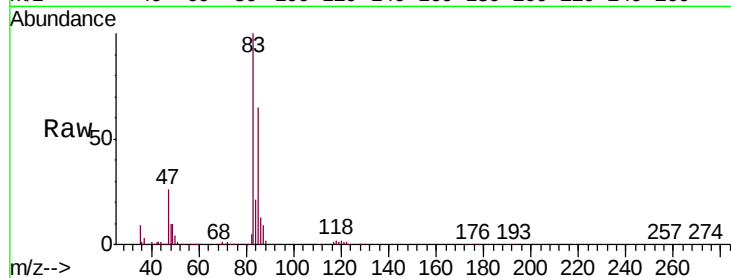
VSTD00541

Tgt Ion: 83 Resp: 320610

Ion Ratio Lower Upper

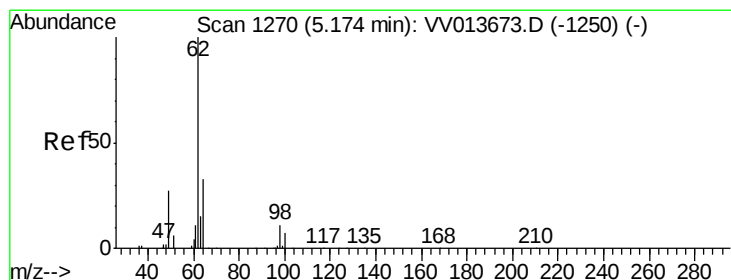
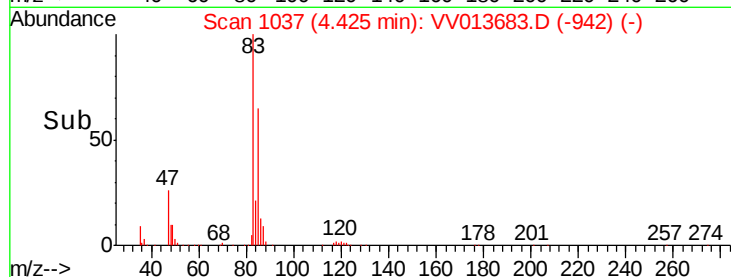
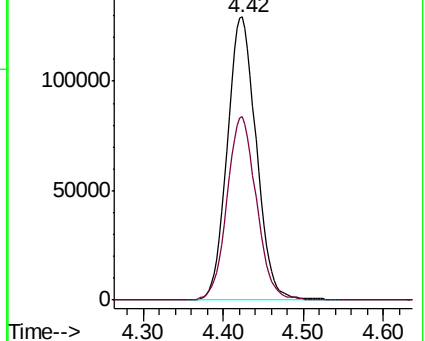
83 100

85 64.8 44.4 82.5



Abundance Ion 83.05 (82.75 to 83.75): VV013673.D (-1014) (-)

Ion 85.00 (84.70 to 85.70): VV013673.D (-1014) (-)



#27

1,2-Dichloroethane

Concen: 5.142 ug/L

RT: 5.18 min Scan# 1271

Delta R.T. 0.00 min

Lab File: VV013683.D

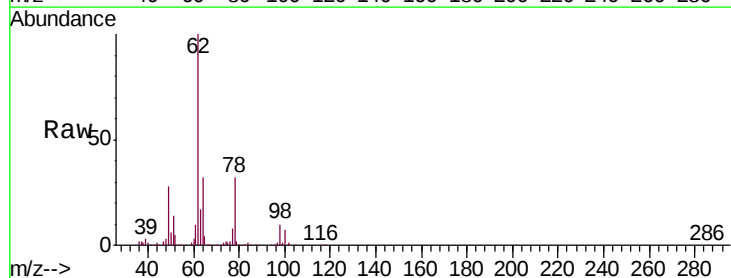
Acq: 19 Nov 2019 18:12

Tgt Ion: 62 Resp: 196679

Ion Ratio Lower Upper

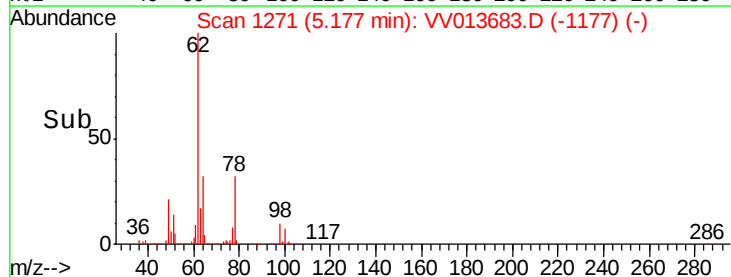
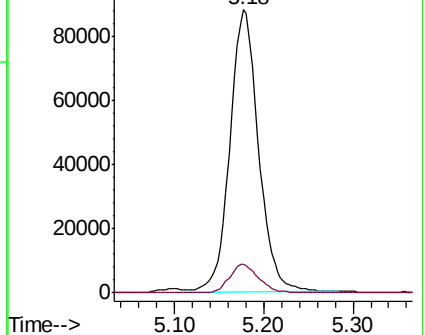
62 100

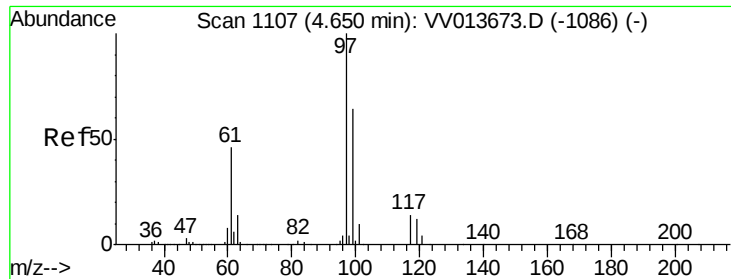
98 10.1 8.2 12.2



Abundance Ion 62.00 (61.70 to 62.70): VV013673.D (-1250) (-)

Ion 98.05 (97.75 to 98.75): VV013673.D (-1250) (-)

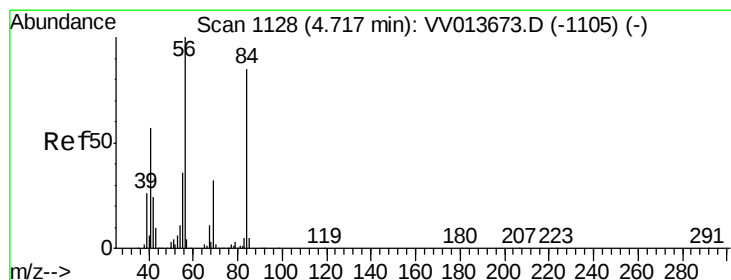
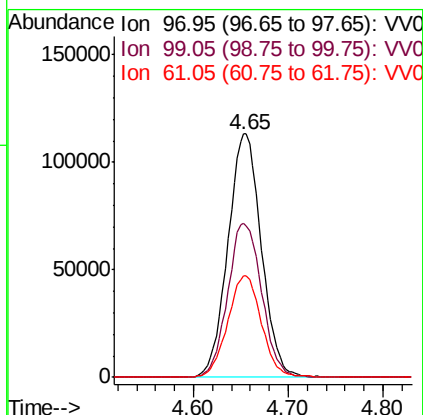
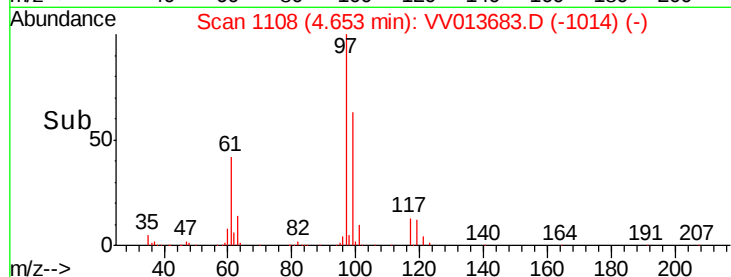
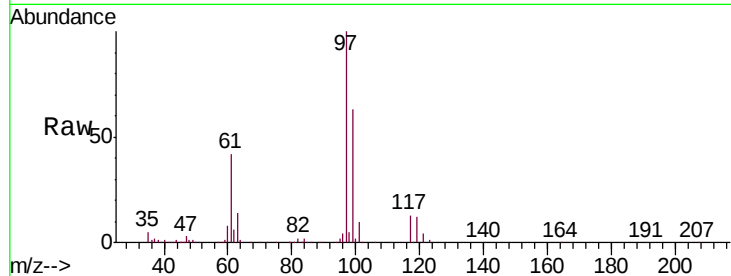




#29
 1,1,1-Trichloroethane
 Concen: 4.978 ug/L
 RT: 4.65 min Scan# 1108
 Delta R.T. 0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

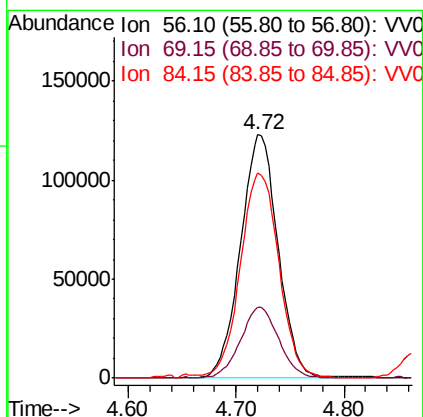
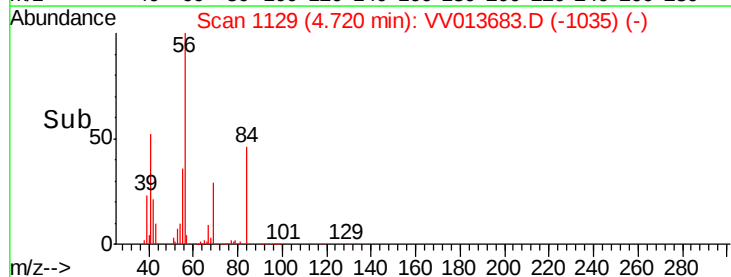
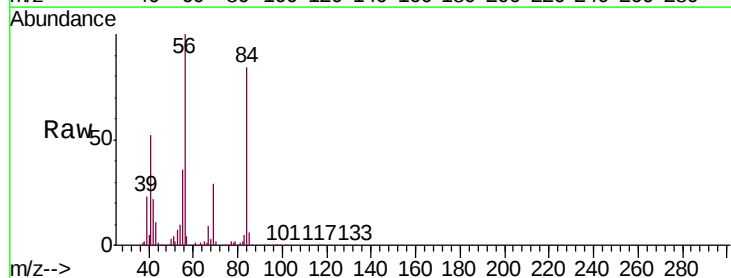
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

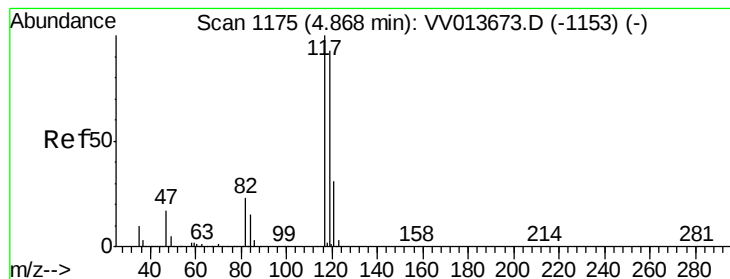
Tgt Ion: 97 Resp: 277981
 Ion Ratio Lower Upper
 97 100
 99 64.2 52.6 79.0
 61 42.4 34.7 52.1



#30
 Cyclohexane
 Concen: 5.337 ug/L
 RT: 4.72 min Scan# 1129
 Delta R.T. 0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

Tgt Ion: 56 Resp: 296534
 Ion Ratio Lower Upper
 56 100
 69 29.8 23.8 35.8
 84 86.6 69.1 103.7





#31

Carbon tetrachloride

Concen: 4.922 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

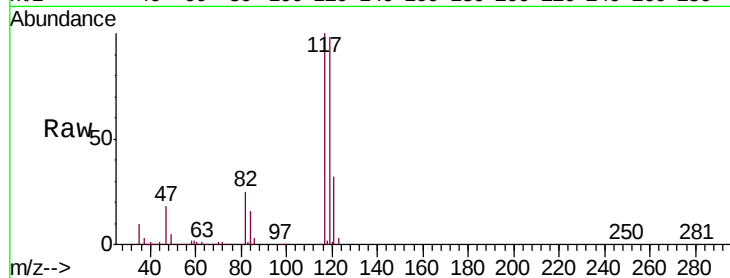
VSTD00541

Tgt Ion:117 Resp: 248328

Ion Ratio Lower Upper

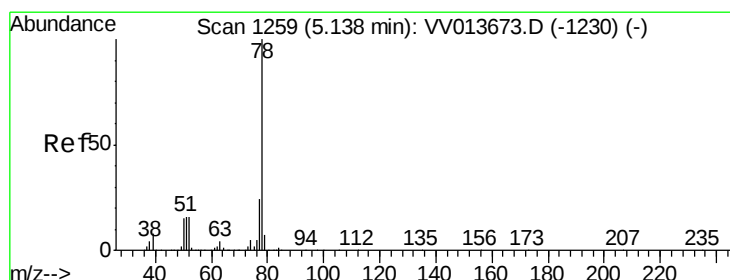
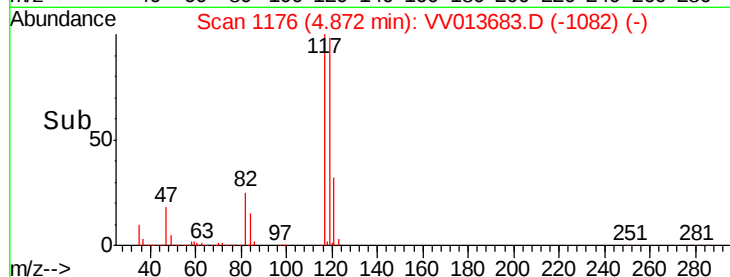
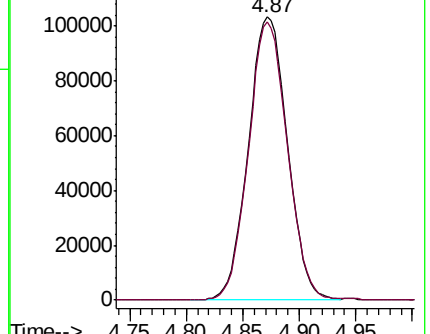
117 100

119 97.5 74.8 112.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.130 ug/L

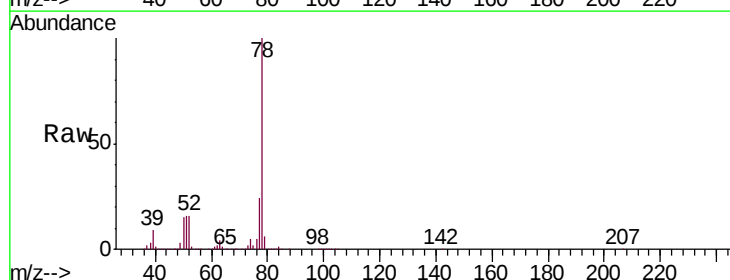
RT: 5.14 min Scan# 1261

Delta R.T. 0.01 min

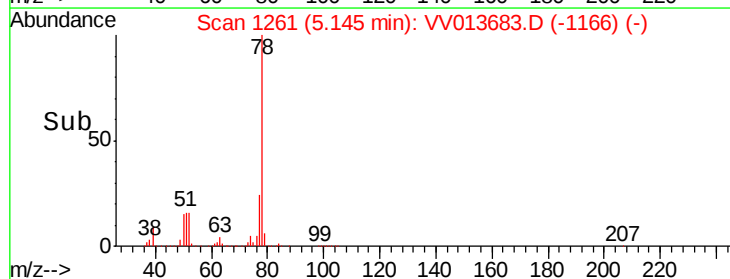
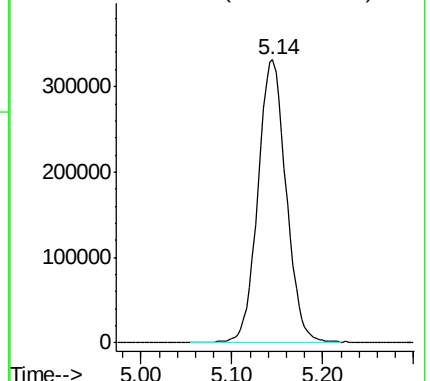
Lab File: VV013683.D

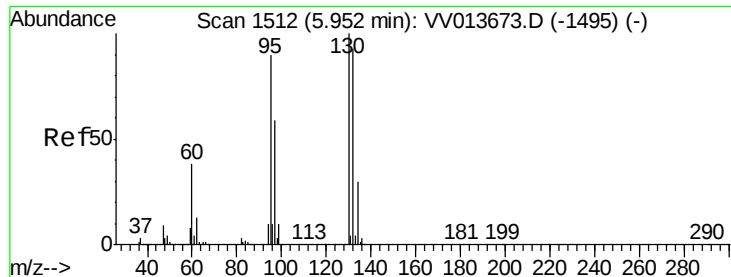
Acq: 19 Nov 2019 18:12

Tgt Ion: 78 Resp: 717413



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.047 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

Tgt Ion: 95 Resp: 188905

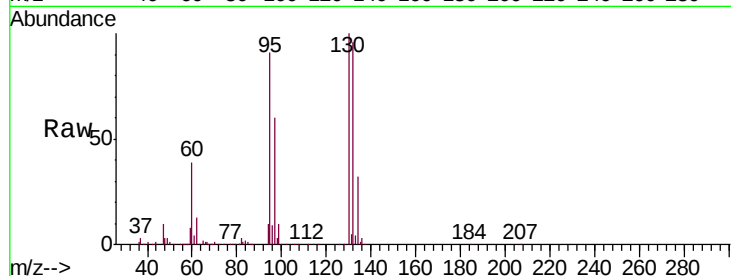
Ion Ratio Lower Upper

95 100

97 65.5 44.8 83.2

132 105.7 72.9 135.3

130 110.0 75.1 139.5

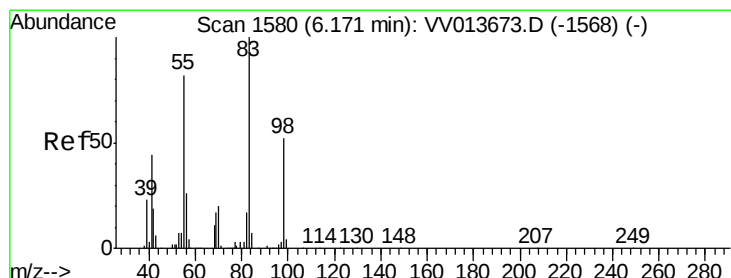
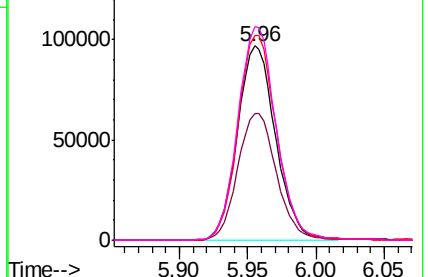
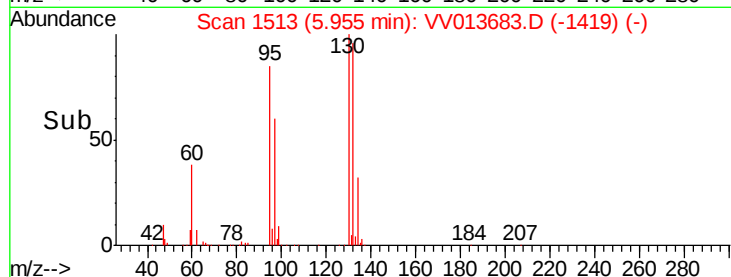


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 5.467 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

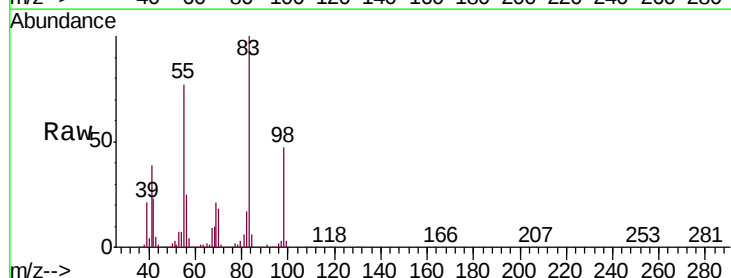
Tgt Ion: 83 Resp: 312099

Ion Ratio Lower Upper

83 100

55 76.5 64.1 96.1

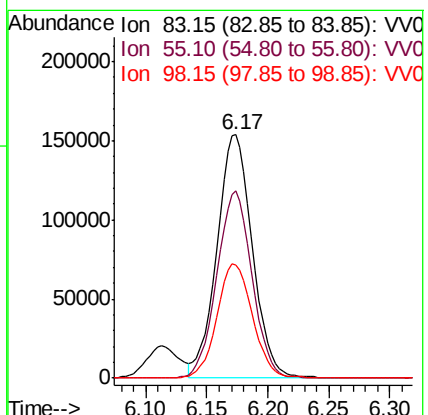
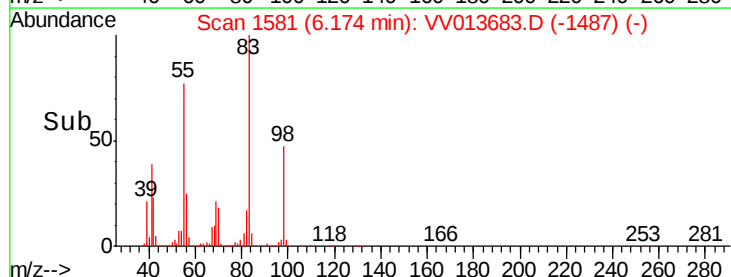
98 46.8 38.2 57.2

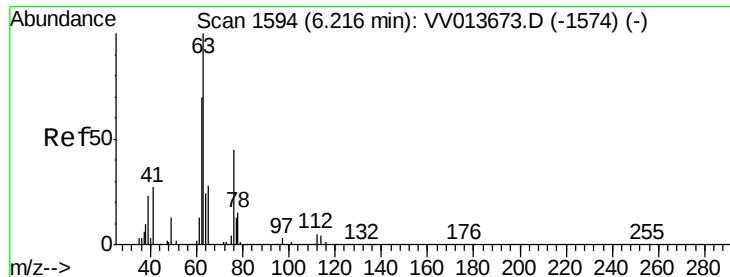


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0





#37

1,2-Dichloropropane

Concen: 5.336 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

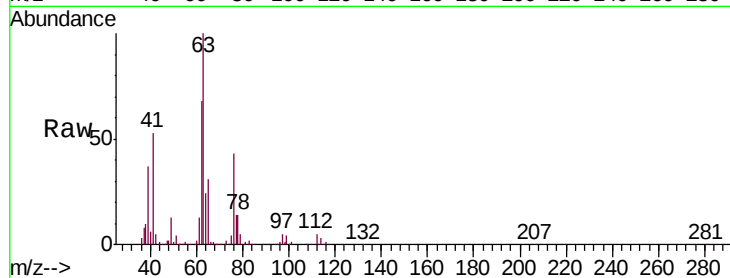
VSTD00541

Tgt Ion: 63 Resp: 178688

Ion Ratio Lower Upper

63 100

112 5.4 4.1 6.1



Abundance Ion 63.10 (62.80 to 63.80): VV013673.D (-1574) (-)

Ion 112.10 (111.80 to 112.80): VV013673.D (-1574) (-)

6.22

100000

80000

60000

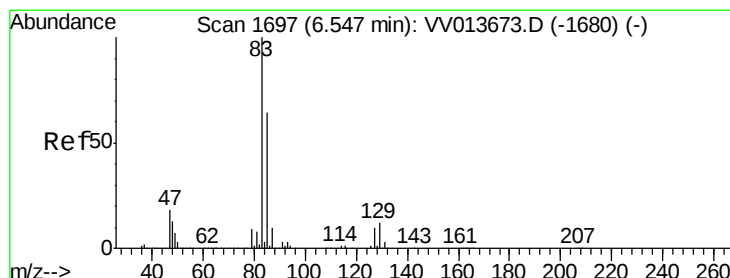
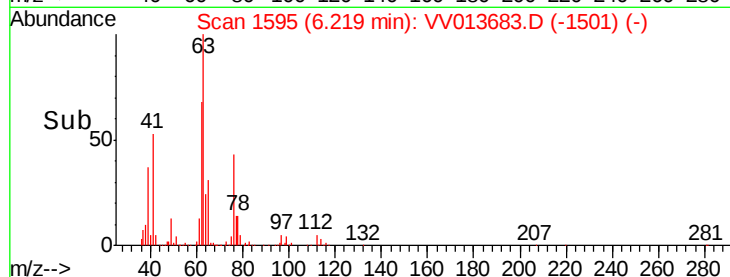
40000

20000

0

6.10 6.20 6.30

Time-->



#38

Bromodichloromethane

Concen: 4.769 ug/L

RT: 6.55 min Scan# 1699

Delta R.T. 0.01 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

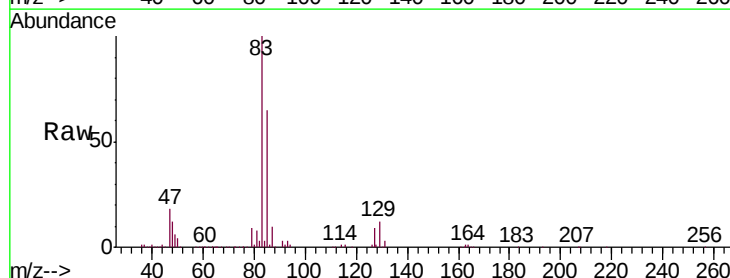
Tgt Ion: 83 Resp: 222722

Ion Ratio Lower Upper

83 100

85 64.9 44.9 83.5

127 9.3 7.0 10.6



Abundance Ion 82.95 (82.65 to 83.65): VV013673.D (-1680) (-)

Ion 85.00 (84.70 to 85.70): VV013673.D (-1680) (-)

Ion 126.90 (126.60 to 127.60): VV013673.D (-1680) (-)

6.55

150000

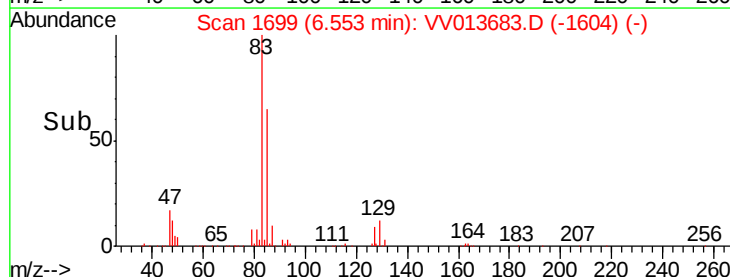
100000

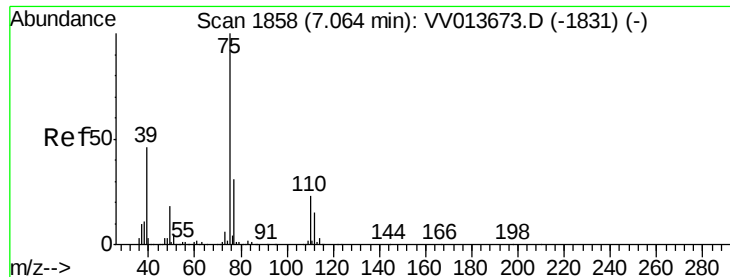
50000

0

6.50 6.60 6.70

Time-->





#39

cis-1,3-Dichloropropene

Concen: 5.404 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

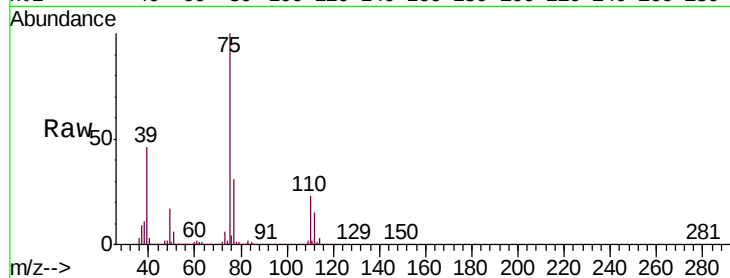
VSTD00541

Tgt Ion: 75 Resp: 260075

Ion Ratio Lower Upper

75 100

77 30.6 22.0 40.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.07

150000

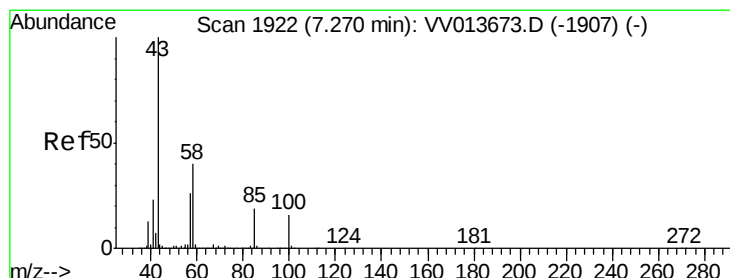
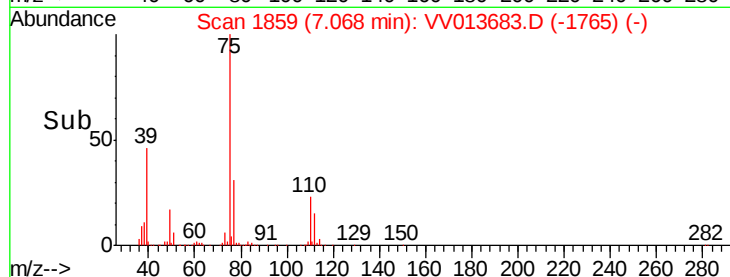
100000

50000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 58.966 ug/L

RT: 7.27 min Scan# 1923

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

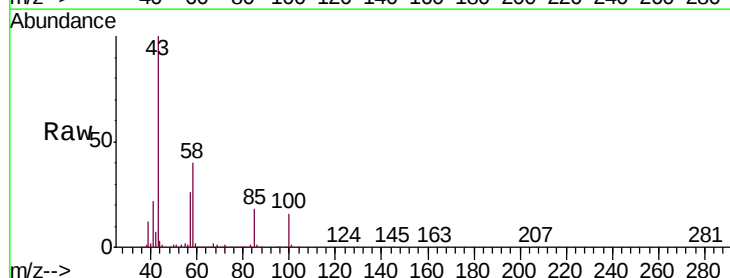
Tgt Ion: 43 Resp: 1148713

Ion Ratio Lower Upper

43 100

58 40.3 31.5 47.3

100 16.0 12.2 18.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0

7.27

600000

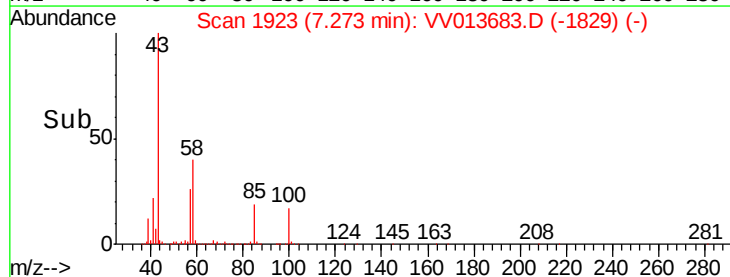
400000

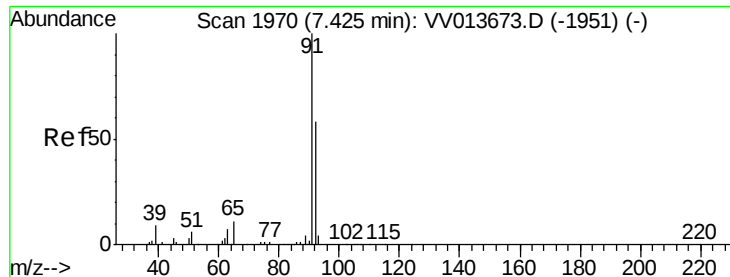
200000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.362 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

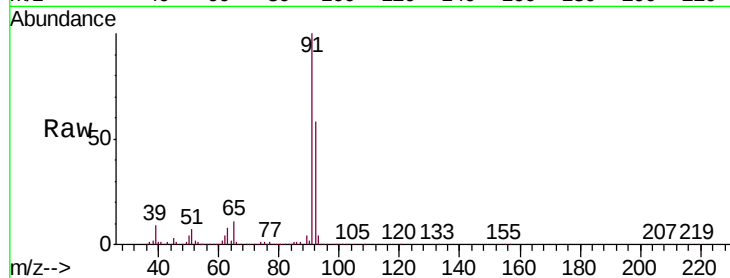
VSTD00541

Tgt Ion: 91 Resp: 801155

Ion Ratio Lower Upper

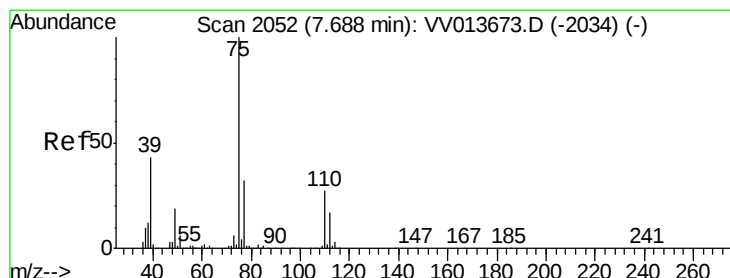
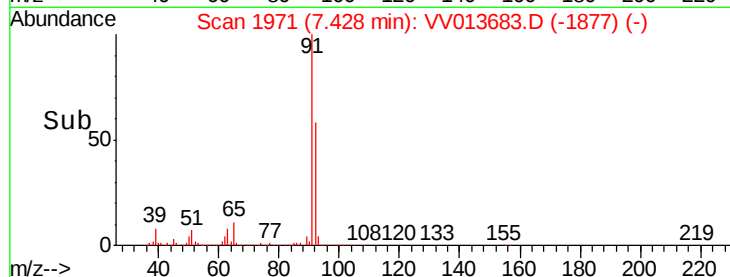
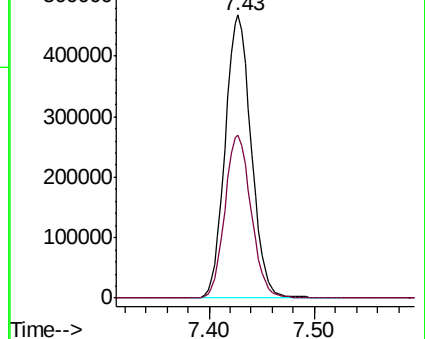
91 100

92 57.7 41.2 76.6



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0



#44

trans-1,3-Dichloropropene

Concen: 5.316 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV013683.D

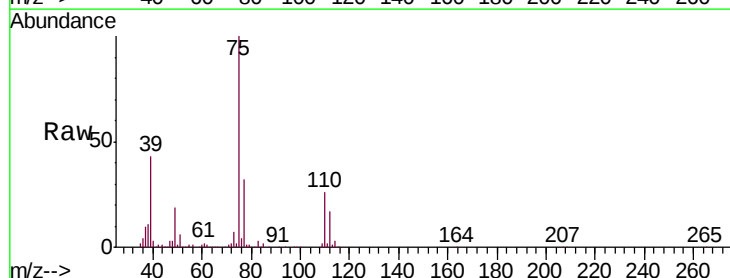
Acq: 19 Nov 2019 18:12

Tgt Ion: 75 Resp: 201653

Ion Ratio Lower Upper

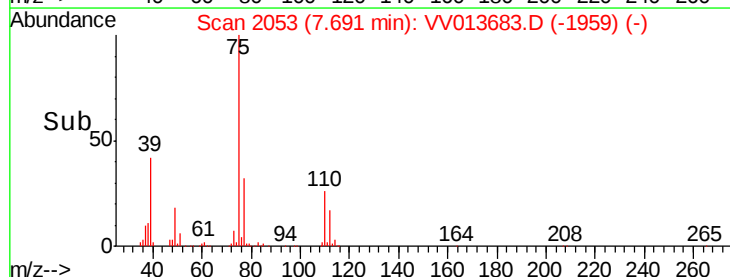
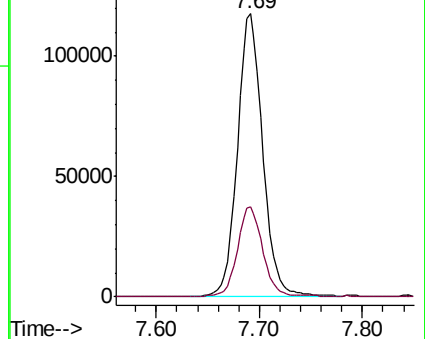
75 100

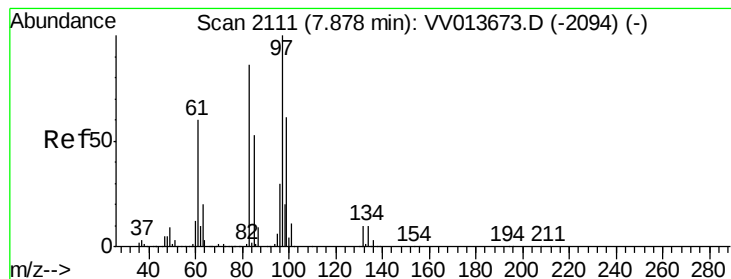
77 32.0 21.6 40.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0





#45

1,1,2-Trichloroethane

Concen: 5.237 ug/L

RT: 7.88 min Scan# 2111

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

Tgt Ion: 97 Resp: 126471

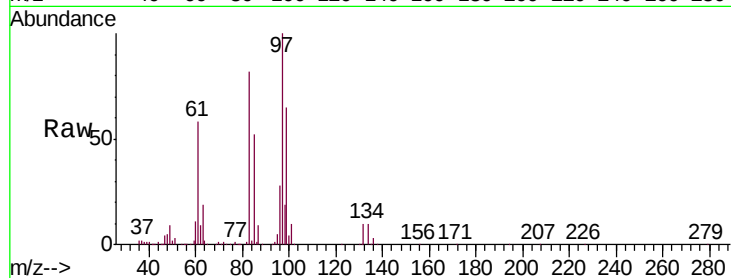
Ion Ratio Lower Upper

97 100

99 64.6 43.8 81.3

83 82.1 58.0 107.8

85 52.5 36.0 67.0

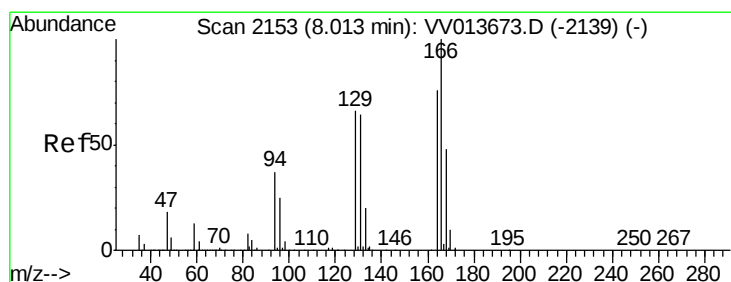
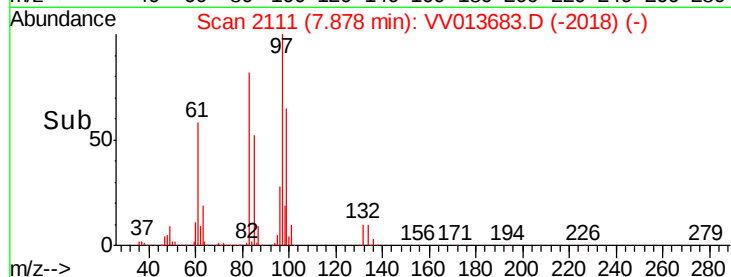
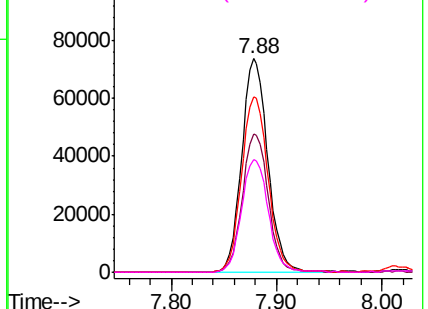


Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47

Tetrachloroethene

Concen: 5.061 ug/L

RT: 8.01 min Scan# 2153

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Tgt Ion: 164 Resp: 175524

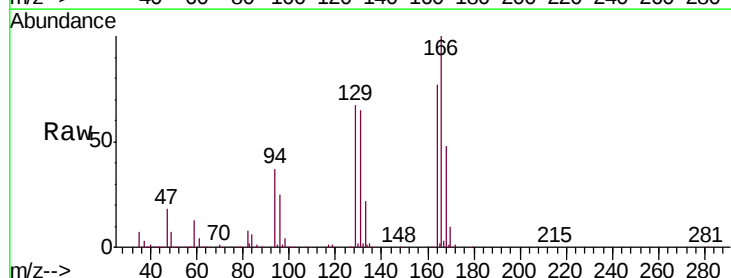
Ion Ratio Lower Upper

164 100

129 87.0 59.1 109.9

131 84.6 58.9 109.5

166 129.6 87.8 163.2

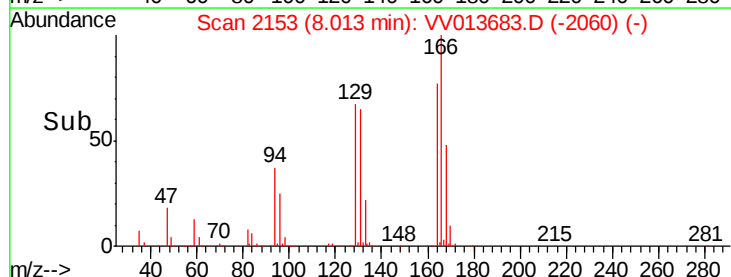
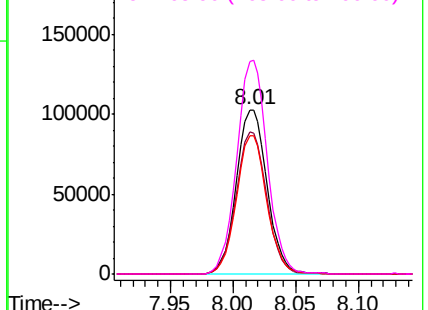


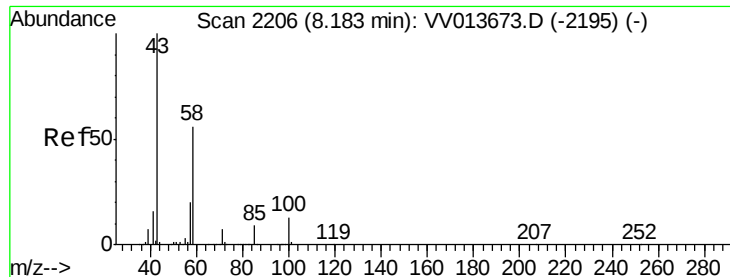
Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

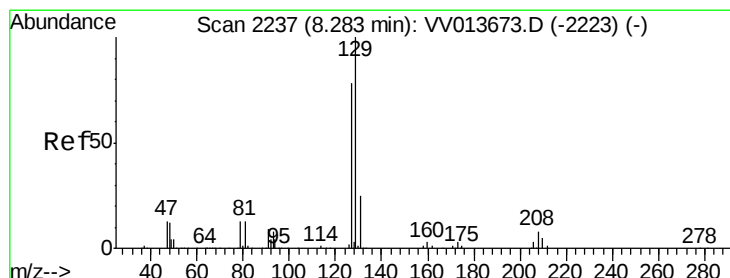
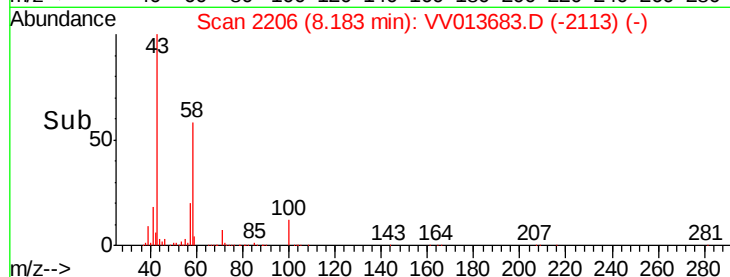
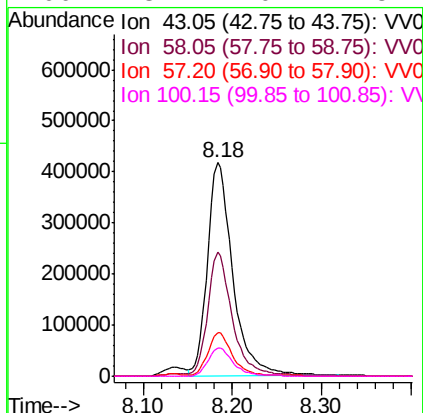
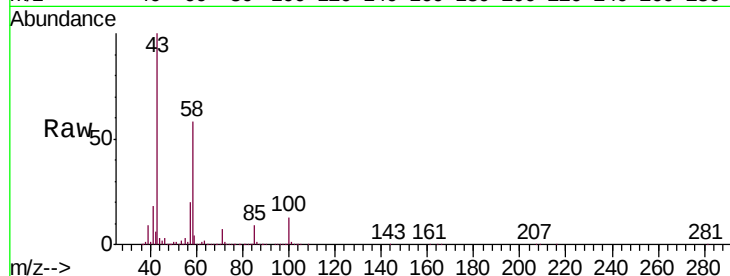




#48
2-Hexanone
Concen: 59.492 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013683.D
Acq: 19 Nov 2019 18:12

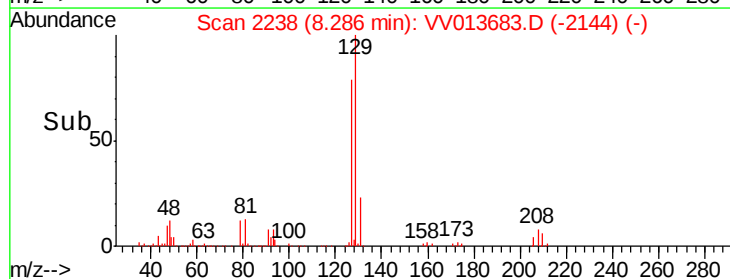
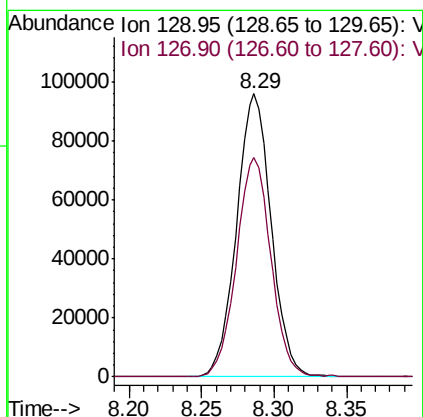
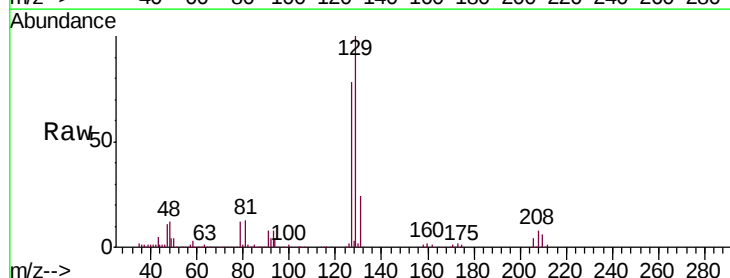
Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

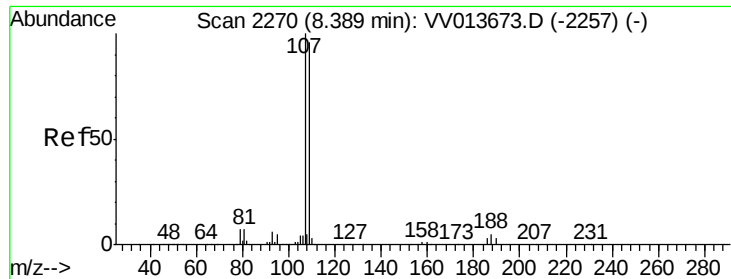
Tgt Ion: 43 Resp: 821979
Ion Ratio Lower Upper
43 100
58 57.2 43.0 64.6
57 19.3 15.4 23.2
100 13.4 10.1 15.1



#49
Dibromochloromethane
Concen: 5.178 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. 0.00 min
Lab File: VV013683.D
Acq: 19 Nov 2019 18:12

Tgt Ion: 129 Resp: 158717
Ion Ratio Lower Upper
129 100
127 77.7 54.5 101.3

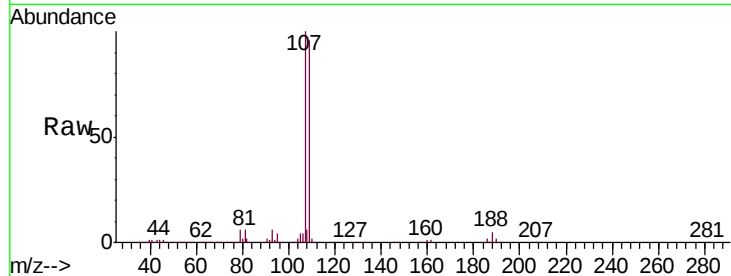




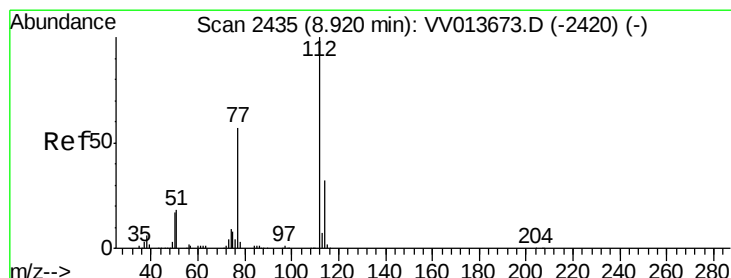
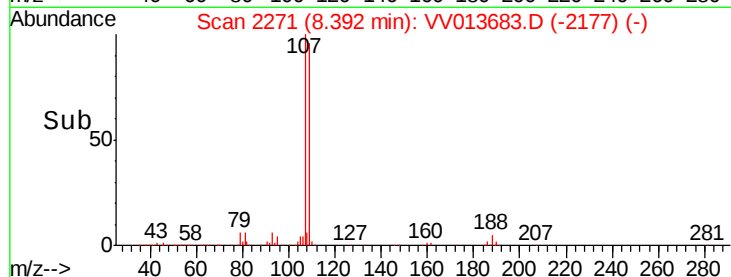
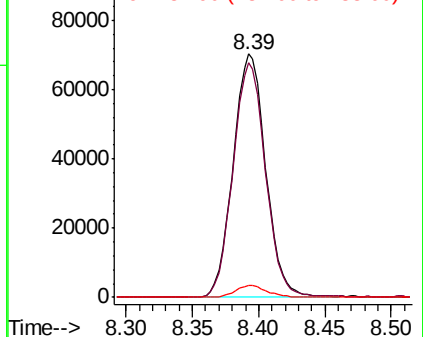
#50
1,2-Dibromoethane
Concen: 5.180 ug/L
RT: 8.39 min Scan# 2271
Delta R.T. 0.00 min
Lab File: VV013683.D
Acq: 19 Nov 2019 18:12

Instrument :
MSVOA_V
ClientSampleId :
VSTD00541

Tgt Ion	Ratio	Lower	Upper
107	100		
109	96.3	66.5	123.5
188	4.8	3.6	5.4

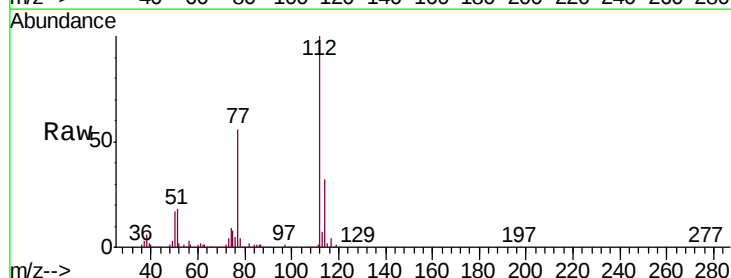


Abundance Ion 106.95 (106.65 to 107.65): V
Ion 109.00 (108.70 to 109.70): V
Ion 187.90 (187.60 to 188.60): V

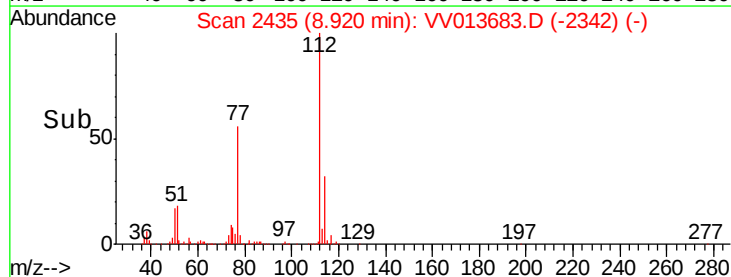
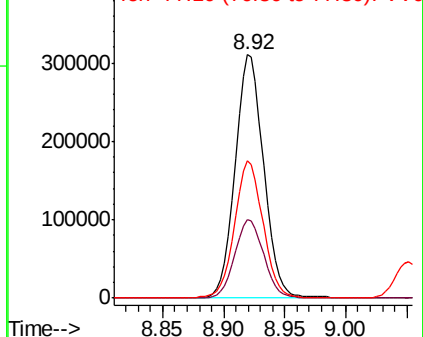


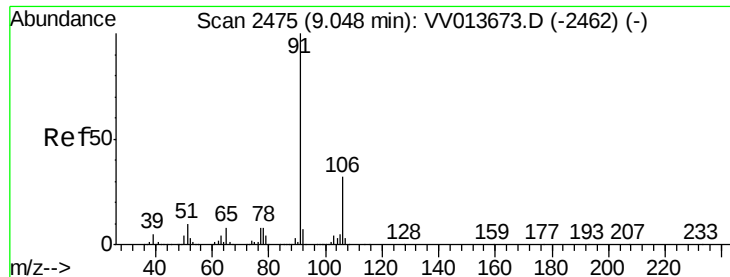
#51
Chlorobenzene
Concen: 5.075 ug/L
RT: 8.92 min Scan# 2435
Delta R.T. -0.00 min
Lab File: VV013683.D
Acq: 19 Nov 2019 18:12

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.4	22.8	42.4
77	56.5	45.0	67.4



Abundance Ion 112.10 (111.80 to 112.80): V
Ion 114.05 (113.75 to 114.75): V
Ion 77.10 (76.80 to 77.80): V





#52

Ethylbenzene

Concen: 5.423 ug/L

RT: 9.05 min Scan# 2476

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

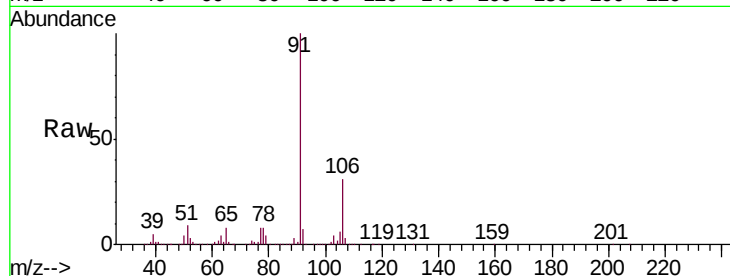
VSTD00541

Tgt Ion: 91 Resp: 863652

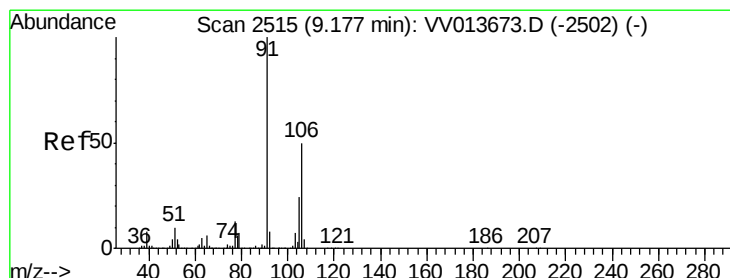
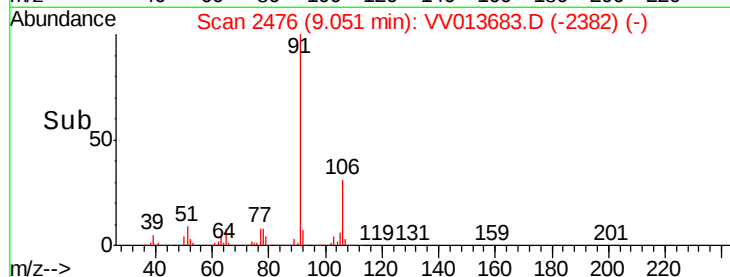
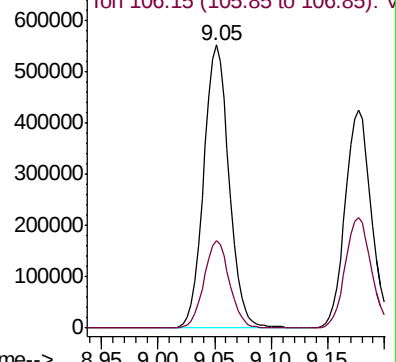
Ion Ratio Lower Upper

91 100

106 30.9 21.7 40.3



Abundance Ion 91.15 (90.85 to 91.85): VV013673.D (-2462) (-)



#53

m,p-xylene

Concen: 5.799 ug/L

RT: 9.18 min Scan# 2515

Delta R.T. -0.00 min

Lab File: VV013683.D

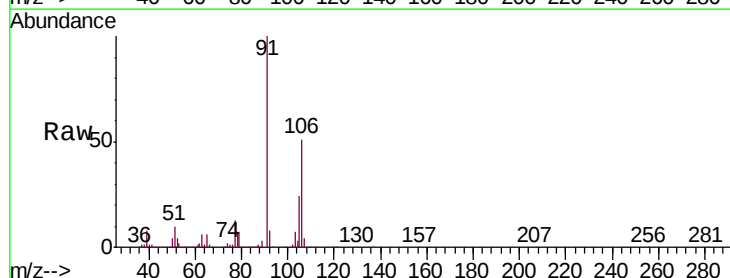
Acq: 19 Nov 2019 18:12

Tgt Ion: 106 Resp: 348280

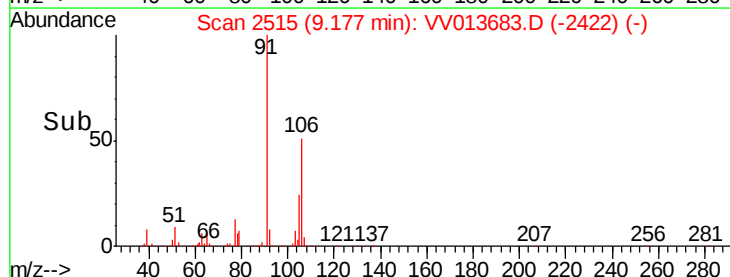
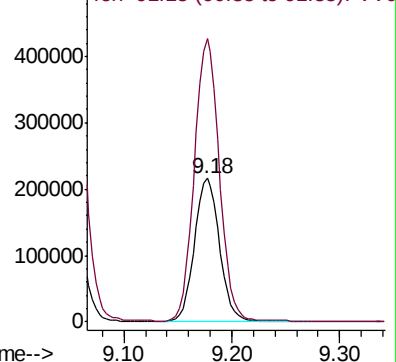
Ion Ratio Lower Upper

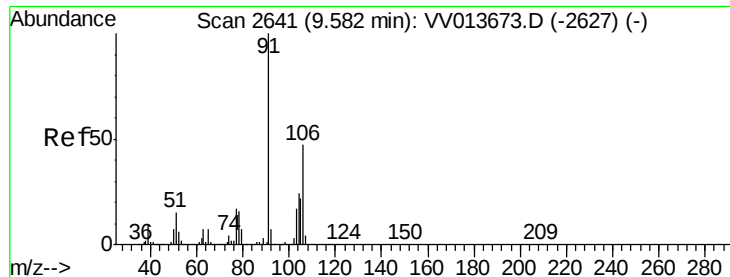
106 100

91 197.3 138.1 256.5



Abundance Ion 106.15 (105.85 to 106.85): VV013673.D (-2502) (-)





#54

o-xylene

Concen: 5.472 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

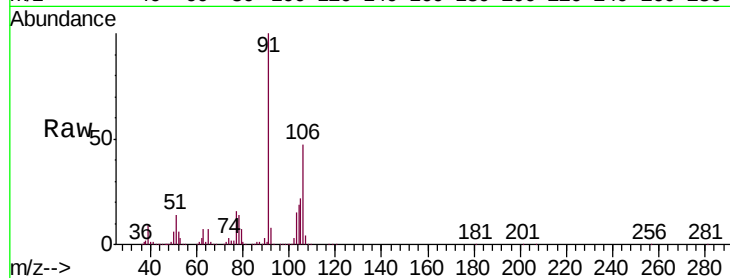
VSTD00541

Tgt Ion:106 Resp: 316110

Ion Ratio Lower Upper

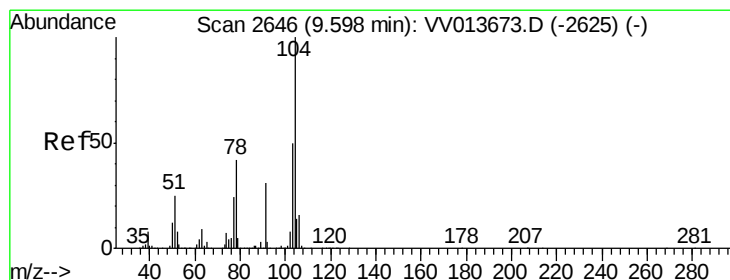
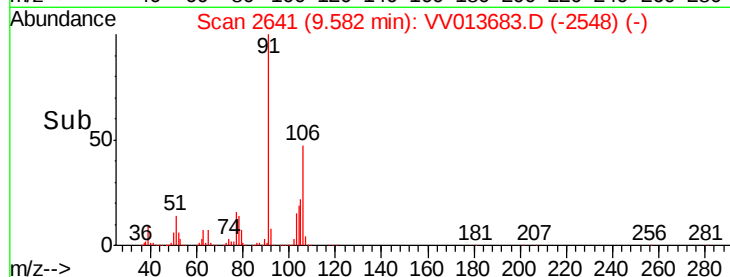
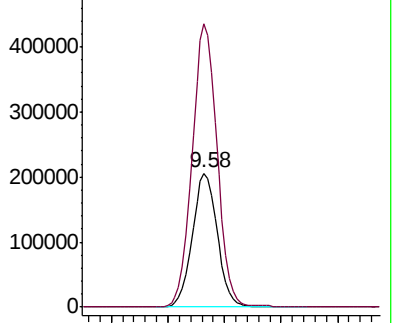
106 100

91 211.2 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.547 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. -0.00 min

Lab File: VV013683.D

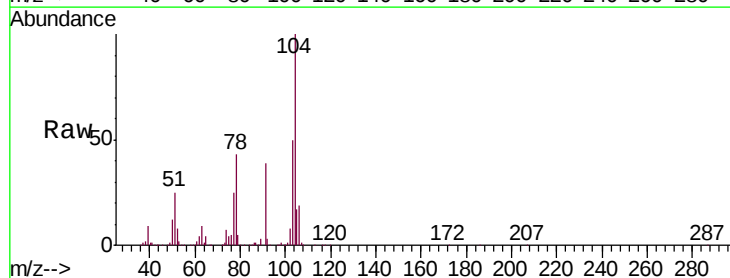
Acq: 19 Nov 2019 18:12

Tgt Ion:104 Resp: 541977

Ion Ratio Lower Upper

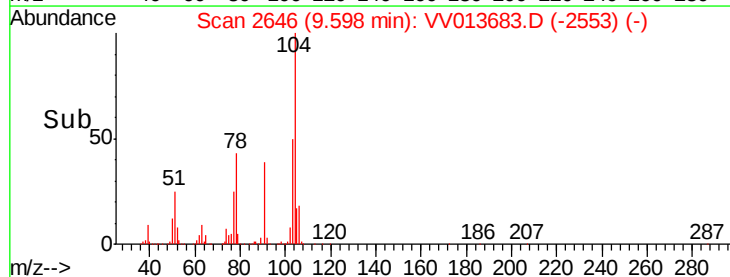
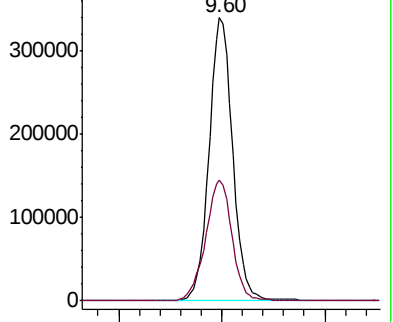
104 100

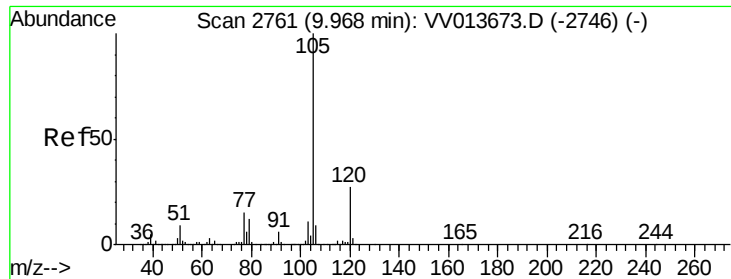
78 42.7 30.8 57.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.506 ug/L

RT: 9.97 min Scan# 2762

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

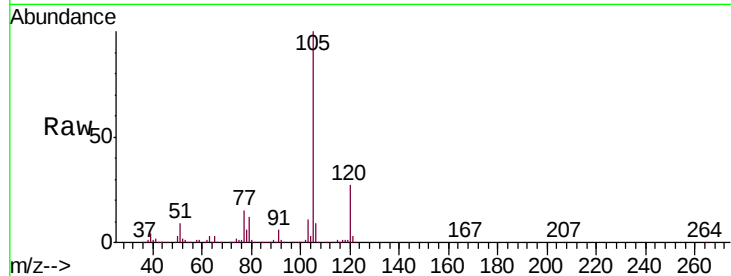
Tgt Ion: 105 Resp: 845683

Ion Ratio Lower Upper

105 100

120 27.0 21.2 31.8

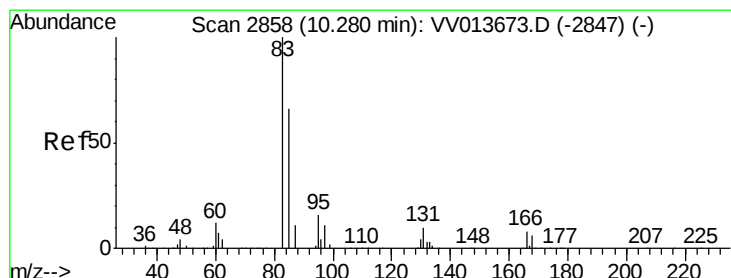
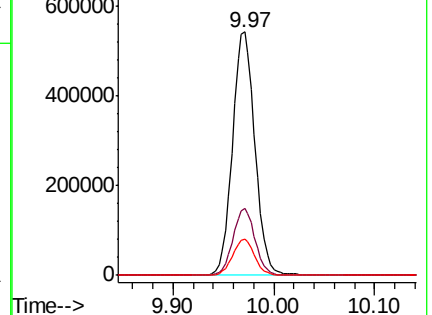
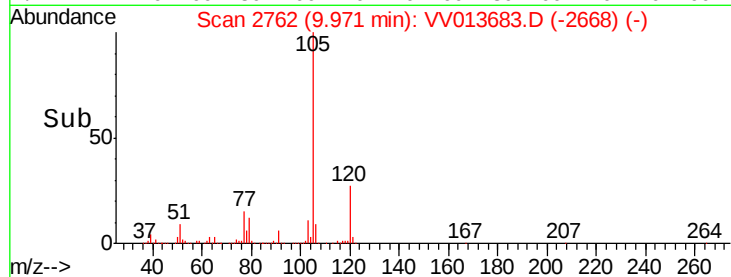
77 14.6 11.9 17.9



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 5.305 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

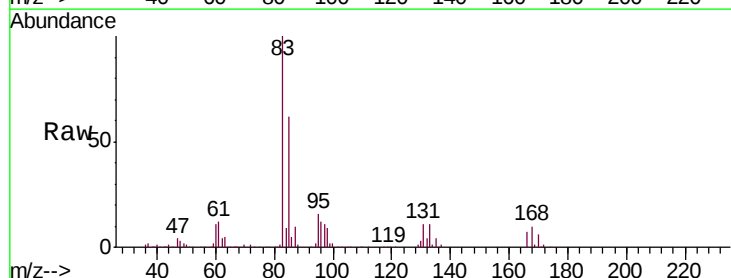
Tgt Ion: 83 Resp: 142120

Ion Ratio Lower Upper

83 100

85 62.2 43.0 80.0

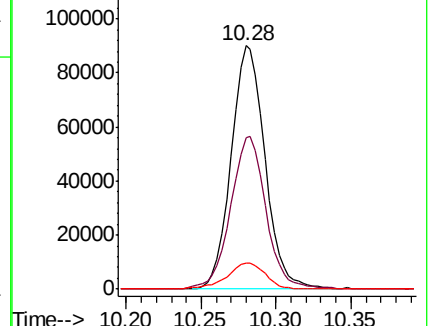
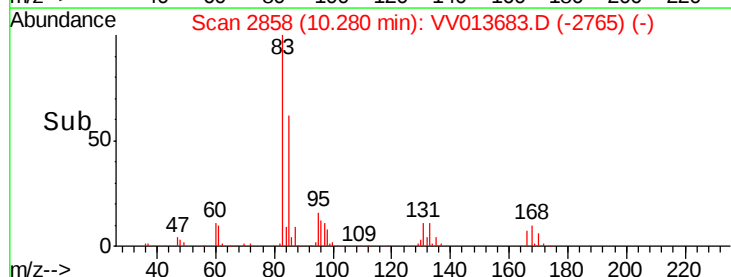
131 11.0 8.3 12.5

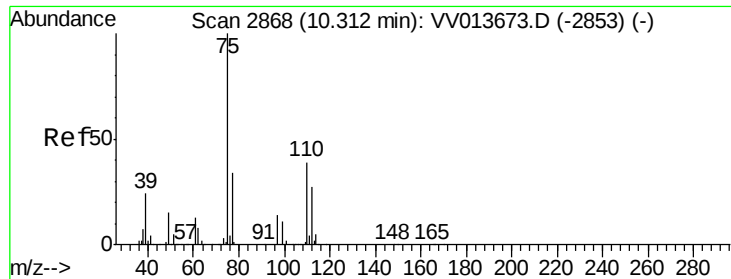


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.328 ug/L

RT: 10.32 min Scan# 2869

Delta R.T. 0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

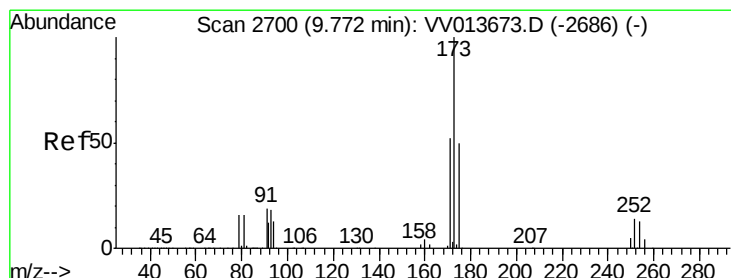
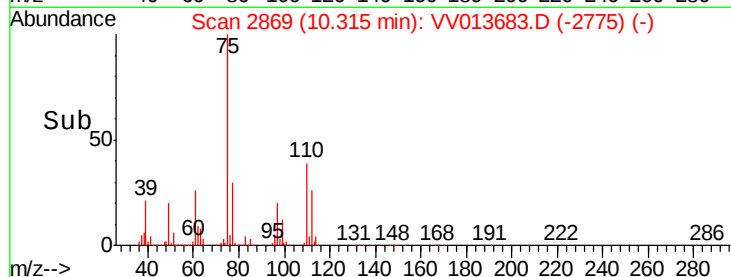
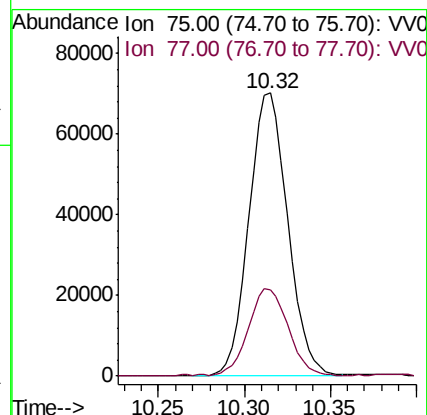
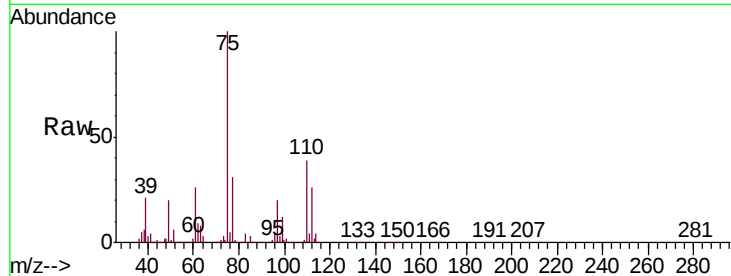
VSTD00541

Tgt Ion: 75 Resp: 110270

Ion Ratio Lower Upper

75 100

77 30.9 25.6 38.4



#61

Bromoform

Concen: 5.091 ug/L

RT: 9.77 min Scan# 2700

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

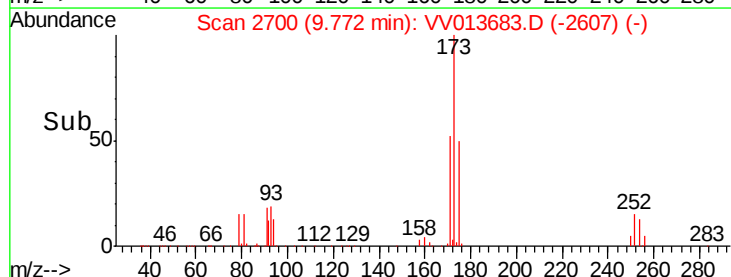
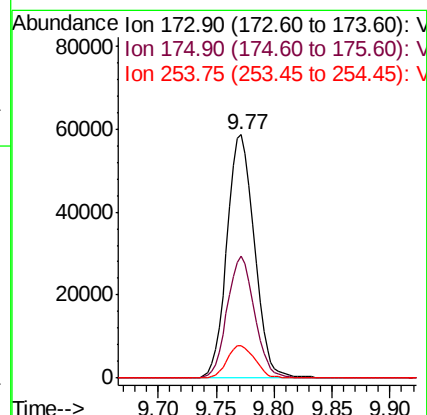
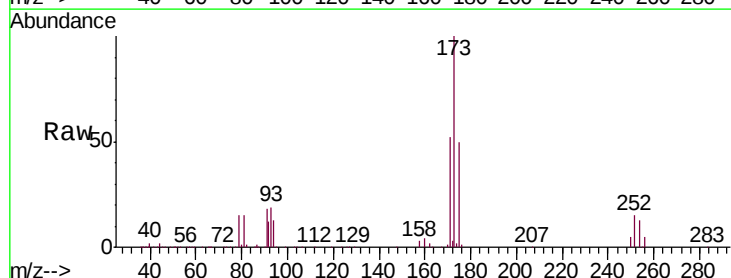
Tgt Ion: 173 Resp: 96245

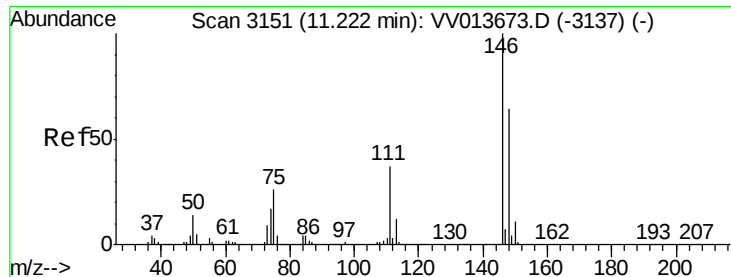
Ion Ratio Lower Upper

173 100

175 49.8 38.2 57.2

254 13.6 10.4 15.6





#62

1,3-Dichlorobenzene

Concen: 5.158 ug/L

RT: 11.22 min Scan# 3151

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

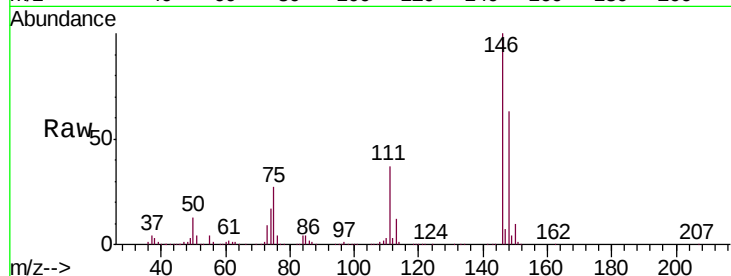
Tgt Ion:146 Resp: 436538

Ion Ratio Lower Upper

146 100

111 37.2 26.2 48.6

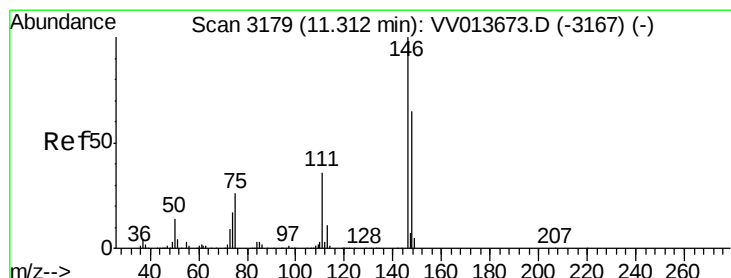
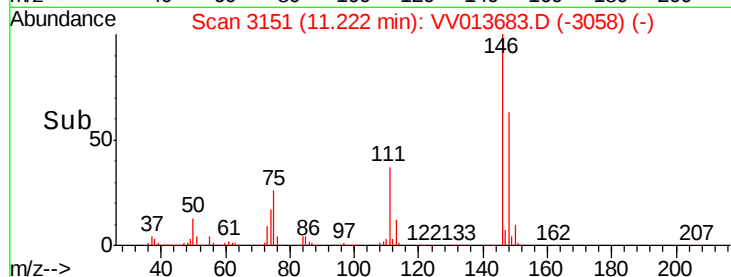
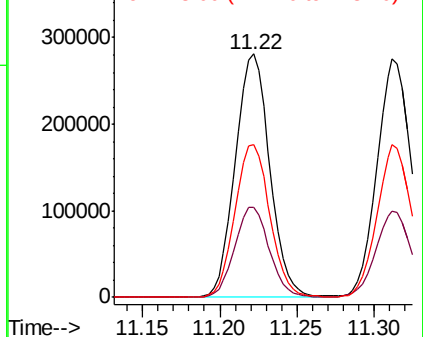
148 62.7 44.4 82.5



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.003 ug/L

RT: 11.31 min Scan# 3179

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

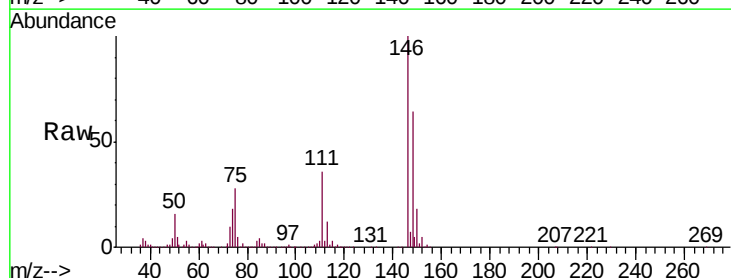
Tgt Ion:146 Resp: 430009

Ion Ratio Lower Upper

146 100

111 36.5 25.6 47.6

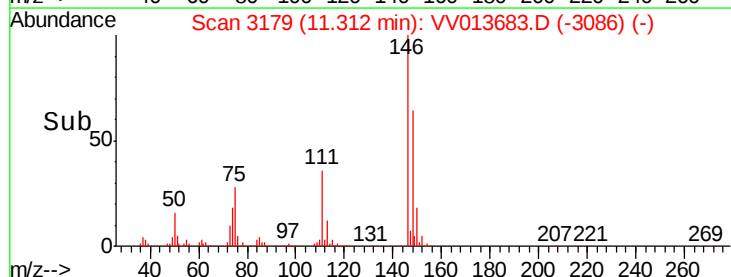
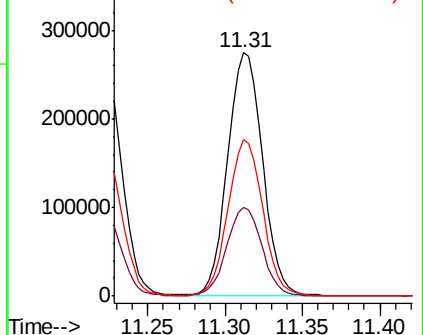
148 64.1 45.6 84.8

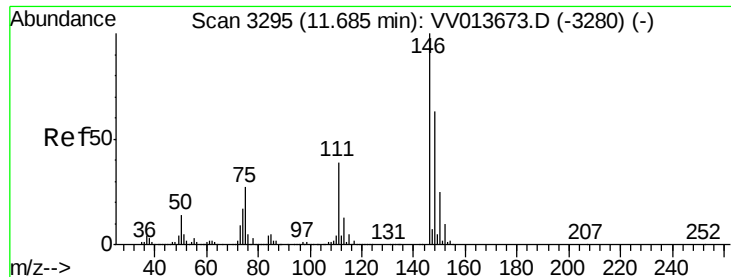


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 5.035 ug/L

RT: 11.68 min Scan# 3295

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

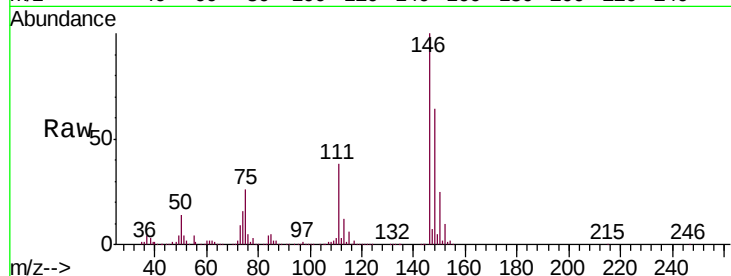
Tgt Ion:146 Resp: 396939

Ion Ratio Lower Upper

146 100

111 38.0 31.3 46.9

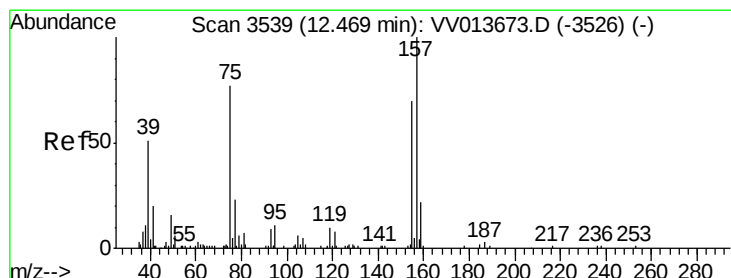
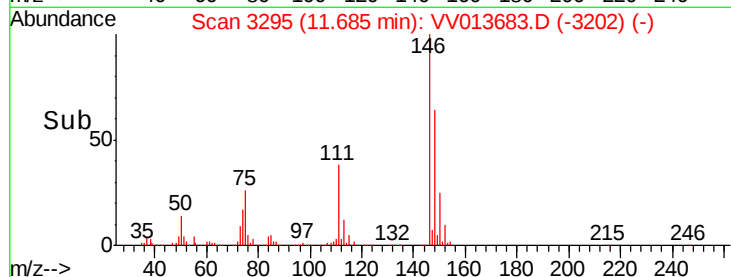
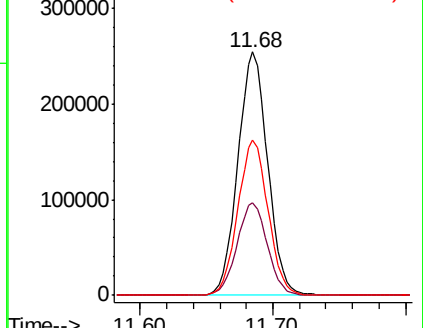
148 63.8 51.1 76.7



Abundance Ion 145.95 (145.65 to 146.65): 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: 4.944 ug/L

RT: 12.47 min Scan# 3539

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

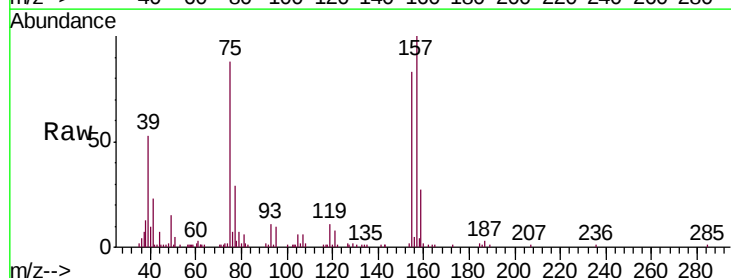
Tgt Ion: 75 Resp: 23275

Ion Ratio Lower Upper

75 100

155 94.5 64.8 97.2

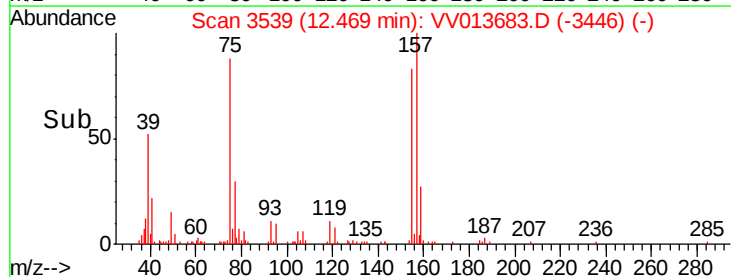
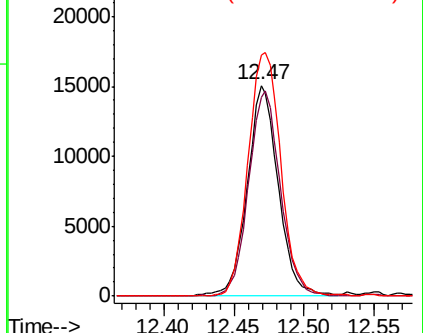
157 114.2 89.1 133.7

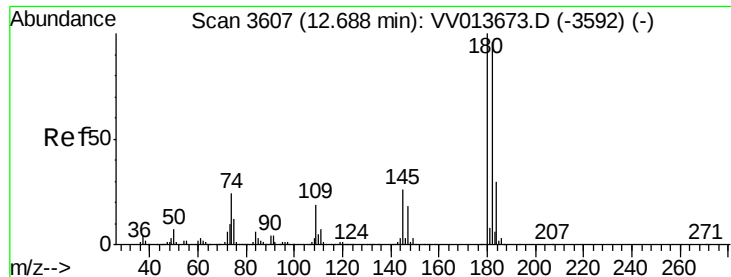


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

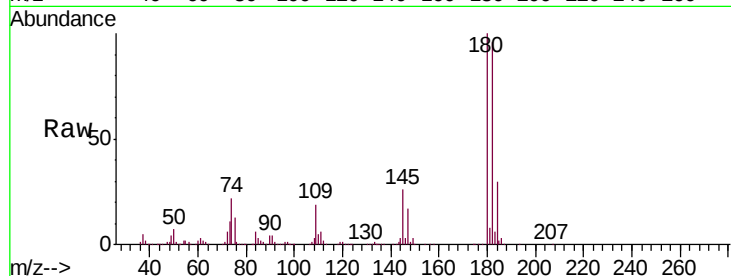




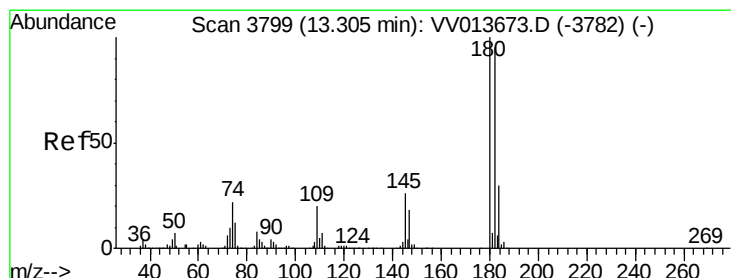
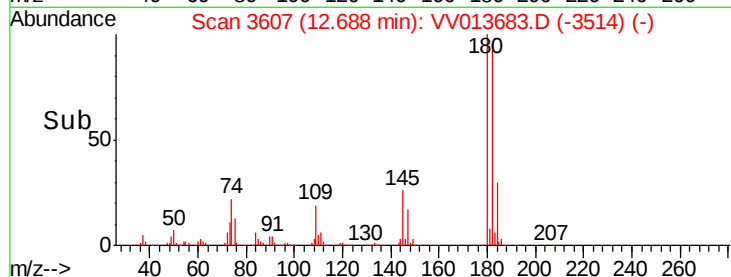
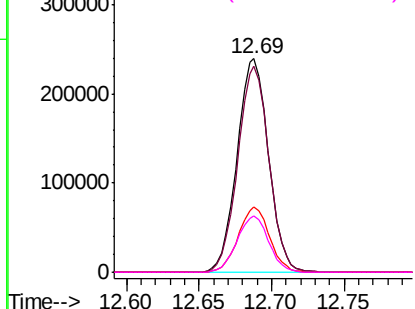
#67
 1,3,5-Trichlorobenzene
 Concen: 5.130 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. -0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD00541

Tgt Ion:	180	Resp:	360368
Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.0	115.6
184	30.6	24.4	36.6
145	26.7	21.5	32.3

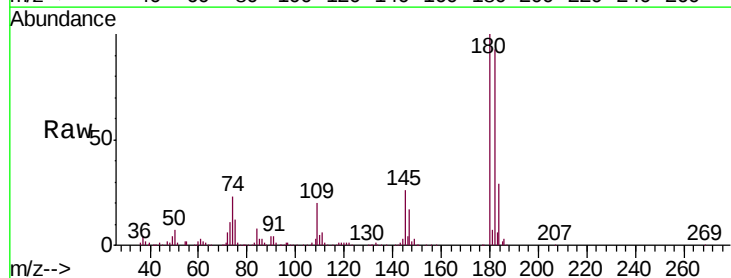


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

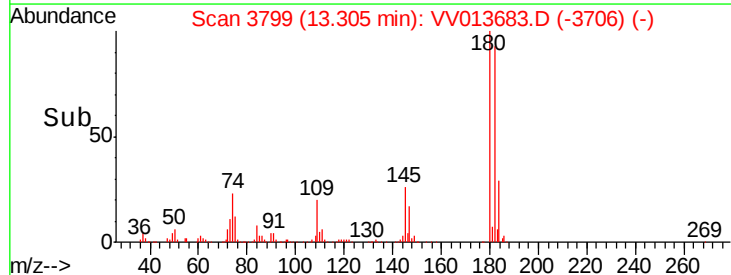
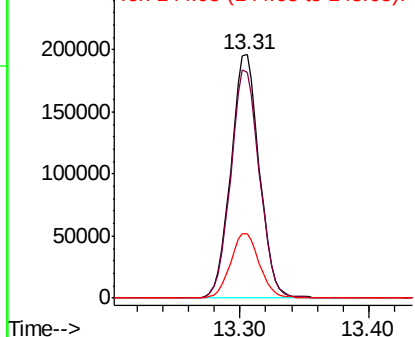


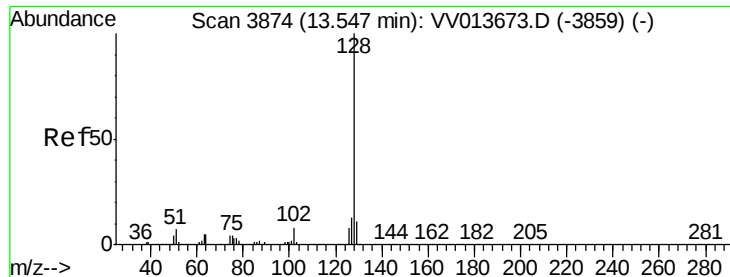
#68
 1,2,4-trichlorobenzene
 Concen: 5.192 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. -0.00 min
 Lab File: VV013683.D
 Acq: 19 Nov 2019 18:12

Tgt Ion:	180	Resp:	299640
Ion	Ratio	Lower	Upper
180	100		
182	94.7	77.2	115.8
145	27.0	22.6	33.8



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.708 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

Instrument :

MSVOA_V

ClientSampleId :

VSTD00541

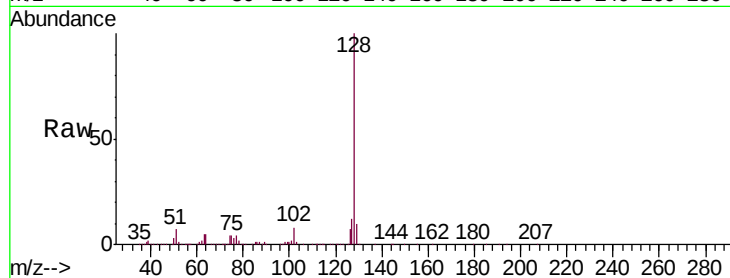
Tgt Ion:128 Resp: 449881

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

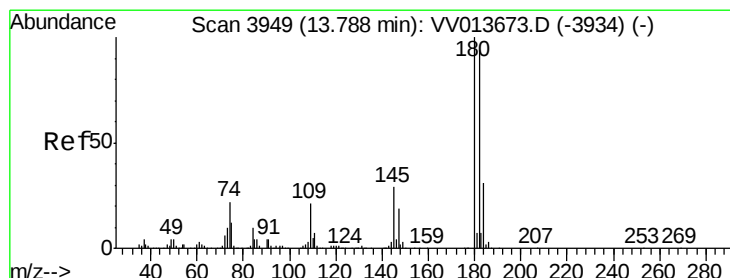
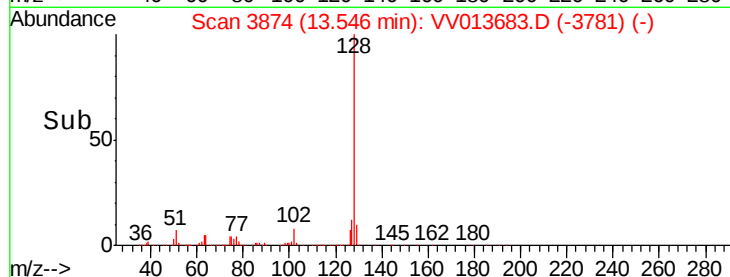
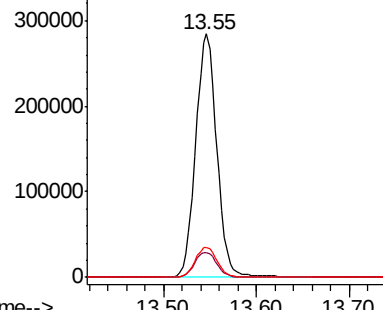
127 13.0 10.4 15.6



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.366 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. -0.00 min

Lab File: VV013683.D

Acq: 19 Nov 2019 18:12

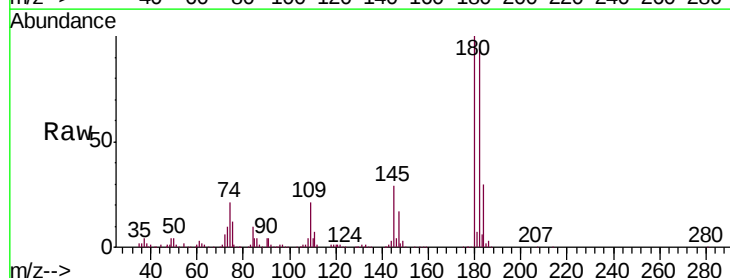
Tgt Ion:180 Resp: 282862

Ion Ratio Lower Upper

180 100

182 94.5 75.6 113.4

145 29.2 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

