

Data File : VV010764.D
Acq On : 09 May 2019 12:08
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02591

Quant Time: May 09 14:20:19 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM050719S.M
Quant Title : VOC Analysis
QLast Update : Thu May 09 04:43:30 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	121901	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	119210	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	57326	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	39413	20.81	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	83.24%
7) Chloroethane-d5	1.57	69	33672	21.61	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.44%
10) 1,1-Dichloroethene-d2	2.12	63	85844	20.90	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	83.60%
20) 2-Butanone-d5	3.93	46	22947	40.38	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	80.76%
24) Chloroform-d	4.40	84	71465	21.50	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	86.00%
26) 1,2-Dichloroethane-d4	5.08	65	44549	21.46	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	85.84%
29) Benzene-d6	5.09	84	144828	23.08	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	92.32%
33) 1,2-Dichloropropane-d6	6.11	67	45449	22.73	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	90.92%
37) Toluene-d8	7.36	98	139079	23.15	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	92.60%
38) trans-1,3-Dichloropropene-	7.66	79	20138	22.09	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	88.36%
39) 2-Hexanone-d5	8.13	63	17263	41.26	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.52%
48) 1,1,2,2-Tetrachloroethane-	10.26	84	39548	21.05	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	84.20%
61) 1,2-Dichlorobenzene-d4	11.67	152	48888	22.02	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	88.08%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	39404	23.339 ug/L	98
3) Chloromethane	1.25	50	45969	22.383 ug/L	98
5) Vinyl chloride	1.32	62	52033	21.819 ug/L	99
6) Bromomethane	1.51	94	27491	23.771 ug/L	99
8) Chloroethane	1.59	64	32128	21.633 ug/L	95
9) Trichlorofluoromethane	1.76	101	78627	21.903 ug/L	98
11) 1,1,2-Trichloro-1,2,2-trif	2.13	101	46638	22.756 ug/L	99
12) 1,1-Dichloroethene	2.13	96	42552	22.173 ug/L	91
13) Acetone	2.19	43	31218	35.485 ug/L	100
14) Carbon disulfide	2.31	76	110576	23.447 ug/L	97
15) Methyl Acetate	2.46	43	21024	20.004 ug/L	98
16) Methylene chloride	2.53	84	43251	22.947 ug/L	97
17) Methyl tert-butyl Ether	2.80	73	110144	22.921 ug/L	99
18) trans-1,2-Dichloroethene	2.78	96	40617	23.414 ug/L	97
19) 1,1-Dichloroethane	3.22	63	79531	23.748 ug/L	98
21) 2-Butanone	4.01	43	33029	39.613 ug/L	99
22) cis-1,2-Dichloroethene	3.96	96	46576	23.504 ug/L	98

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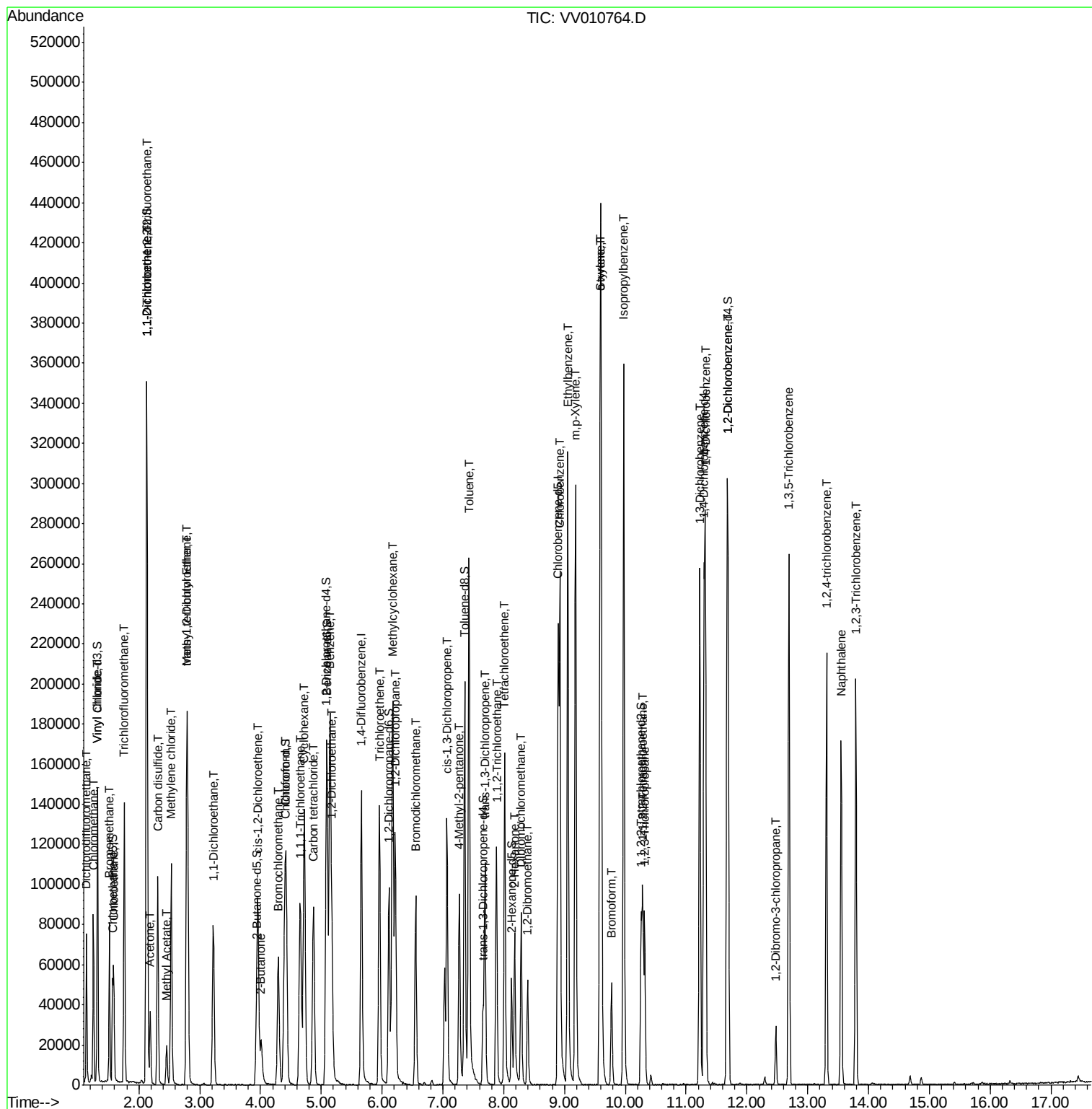
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	20311	22.801	ug/L	92
25) Chloroform	4.42	83	89661	24.303	ug/L	99
27) 1,2-Dichloroethane	5.17	62	62037	23.005	ug/L	100
30) Cyclohexane	4.72	56	74667	24.974	ug/L	99
31) 1,1,1-Trichloroethane	4.65	97	72167	24.279	ug/L	99
32) Carbon tetrachloride	4.87	117	64744	25.006	ug/L	98
34) Benzene	5.14	78	173870	24.845	ug/L	100
35) Trichloroethene	5.96	95	49210	25.104	ug/L	98
36) Methylcyclohexane	6.17	83	77597	24.699	ug/L	98
40) 1,2-Dichloropropane	6.22	63	45688	24.542	ug/L #	93
41) Bromodichloromethane	6.55	83	60343	23.590	ug/L	98
42) cis-1,3-Dichloropropene	7.07	75	74051	25.149	ug/L	99
43) 4-Methyl-2-pentanone	7.27	43	66551	42.469	ug/L	97
44) Toluene	7.43	91	199695	25.125	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	59912	24.163	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	35217	23.027	ug/L	97
47) Tetrachloroethene	8.02	164	34704	24.446	ug/L	96
49) 2-Hexanone	8.18	43	49377	41.444	ug/L	95
50) Dibromochloromethane	8.29	129	41188	23.420	ug/L	100
51) 1,2-Dibromoethane	8.39	107	33868	22.929	ug/L	98
52) Chlorobenzene	8.92	112	126408	24.344	ug/L	99
53) Ethylbenzene	9.05	91	226733	24.603	ug/L	100
54) m,p-Xylene	9.18	106	83542	24.264	ug/L	99
55) o-xylene	9.59	106	85237	24.959	ug/L	94
56) Styrene	9.60	104	140215	24.274	ug/L	98
57) Isopropylbenzene	9.97	105	228204	25.045	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	44802	22.360	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	34228	21.888	ug/L	99
62) Bromoform	9.78	173	20519	21.020	ug/L	100
63) 1,3-Dichlorobenzene	11.23	146	97232	24.366	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	97458	23.910	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	91849	23.699	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	6925	19.256	ug/L	95
67) 1,3,5-Trichlorobenzene	12.69	180	69301	24.109	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	55039	24.747	ug/L	98
69) Naphthalene	13.55	128	124678	26.189	ug/L	98
70) 1,2,3-Trichlorobenzene	13.79	180	51609	24.737	ug/L	100

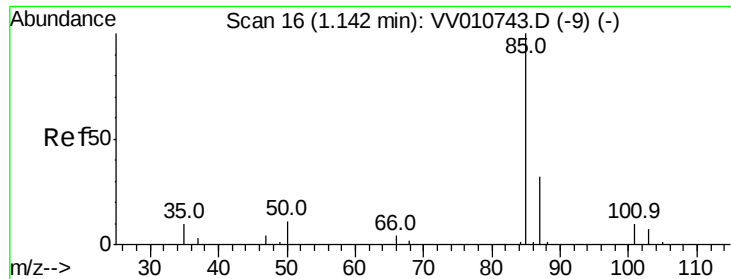
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 23.339 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

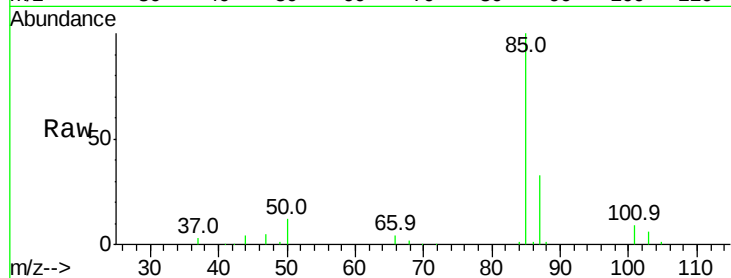
VSTD02591

Tgt Ion: 85 Resp: 39404

Ion Ratio Lower Upper

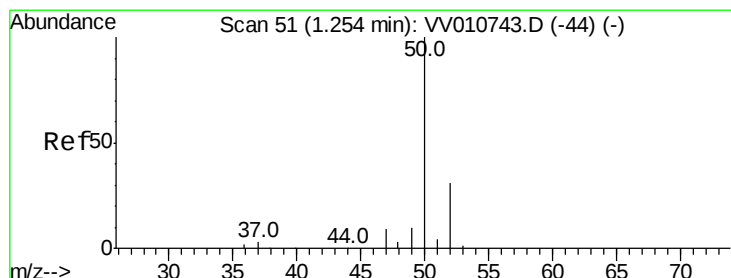
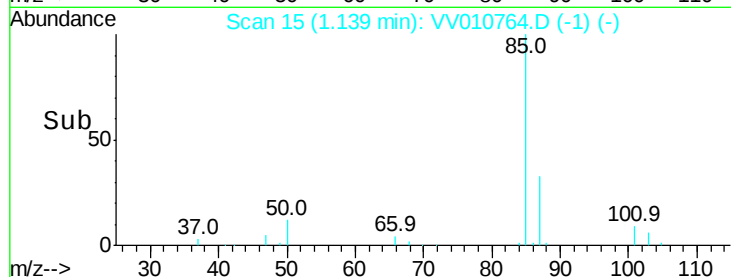
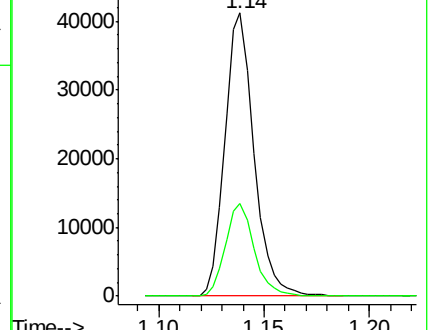
85 100

87 32.2 21.9 40.7



Abundance Ion 85.00 (84.70 to 85.70): VV010743.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV010743.D (-9) (-)



#3

Chloromethane

Concen: 22.383 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV010764.D

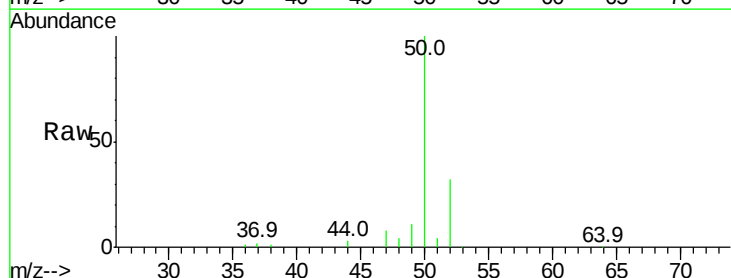
Acq: 09 May 2019 12:08

Tgt Ion: 50 Resp: 45969

Ion Ratio Lower Upper

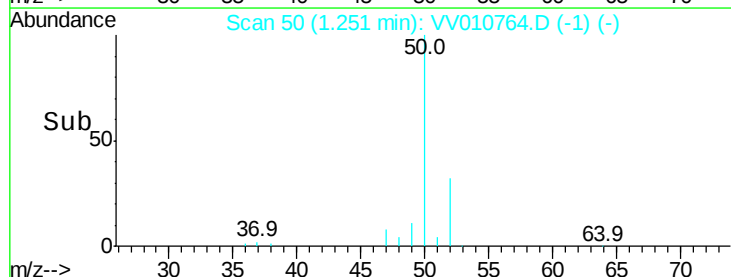
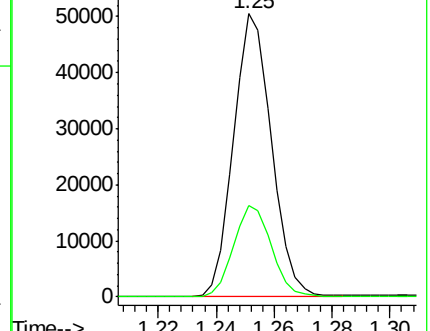
50 100

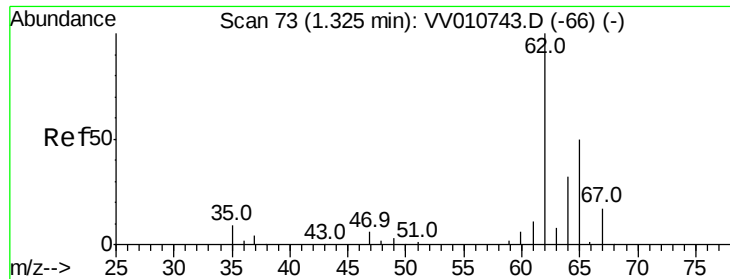
52 32.4 23.7 43.9



Abundance Ion 50.00 (49.70 to 50.70): VV010743.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV010743.D (-44) (-)





#5

Vinyl chloride

Concen: 21.819 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampled :

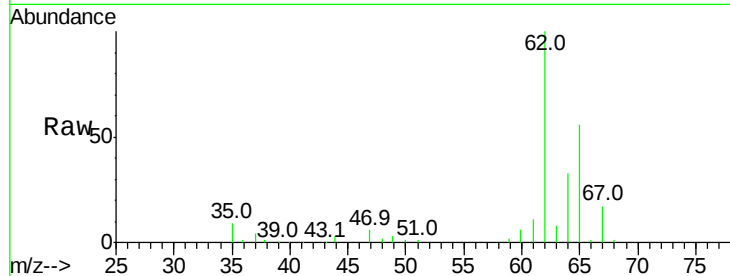
VSTD02591

Tgt Ion: 62 Resp: 52033

Ion Ratio Lower Upper

62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

60000

50000

40000

30000

20000

10000

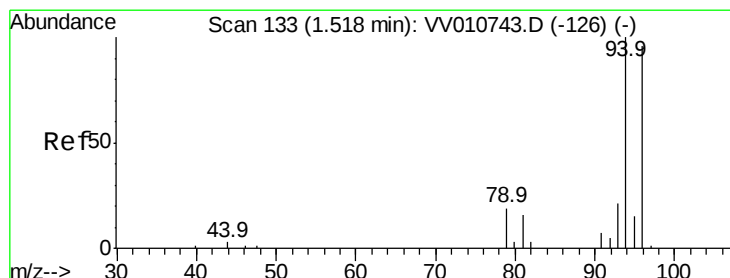
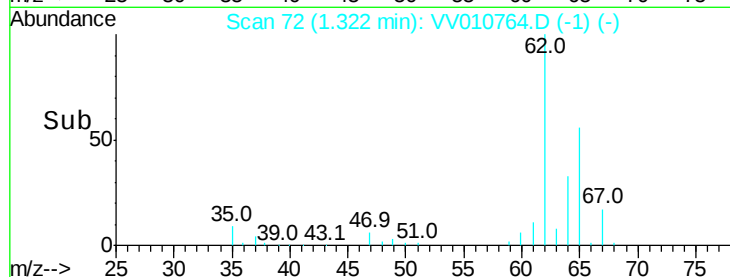
0

1.30

1.32

1.35

Time-->



#6

Bromomethane

Concen: 23.771 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV010764.D

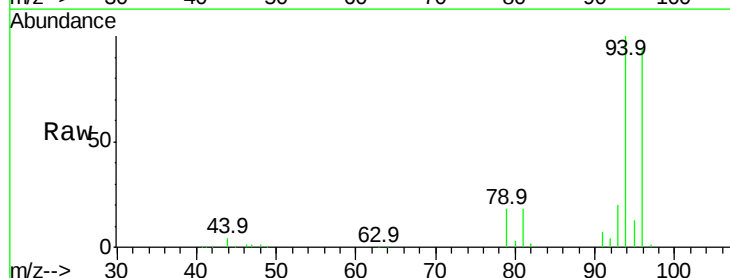
Acq: 09 May 2019 12:08

Tgt Ion: 94 Resp: 27491

Ion Ratio Lower Upper

94 100

96 93.1 9.4 179.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

30000

25000

20000

15000

10000

5000

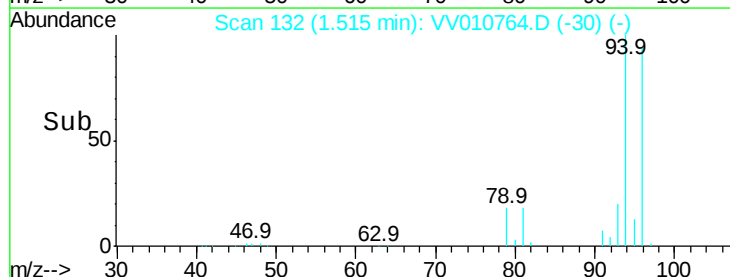
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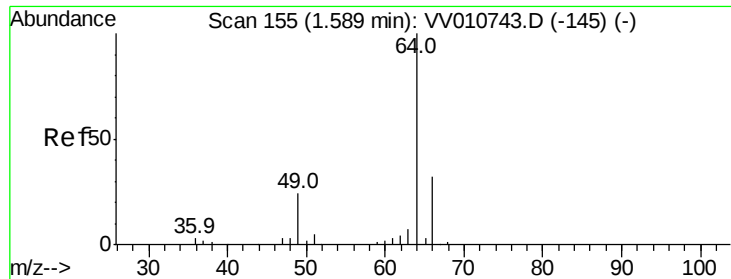
1.50

1.51

1.55

Time-->





#8

Chloroethane

Concen: 21.633 ug/L

RT: 1.59 min Scan# 154

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampled :

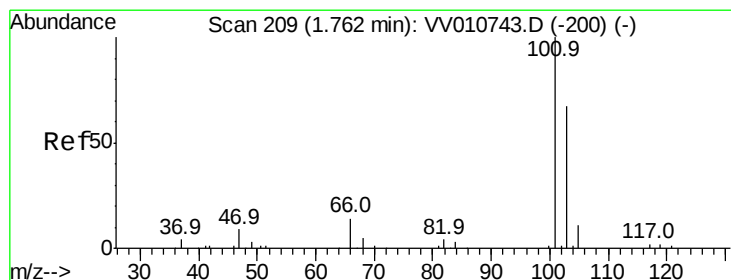
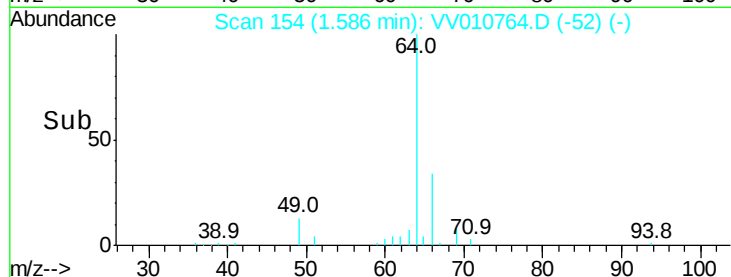
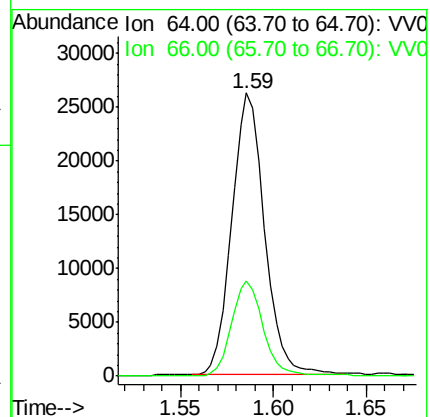
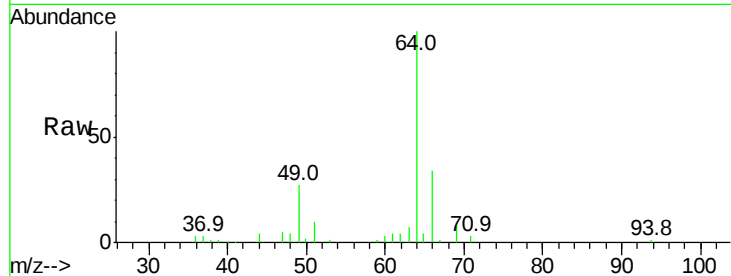
VSTD02591

Tgt Ion: 64 Resp: 32128

Ion Ratio Lower Upper

64 100

66 33.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 21.903 ug/L

RT: 1.76 min Scan# 208

Delta R.T. -0.00 min

Lab File: VV010764.D

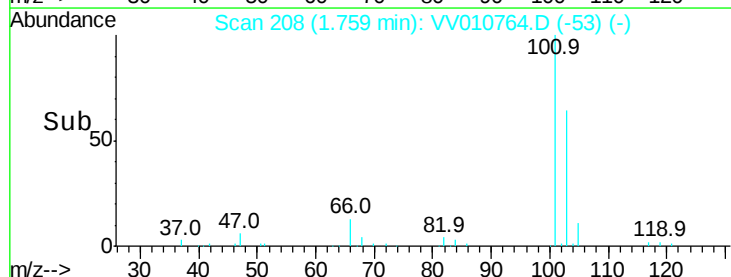
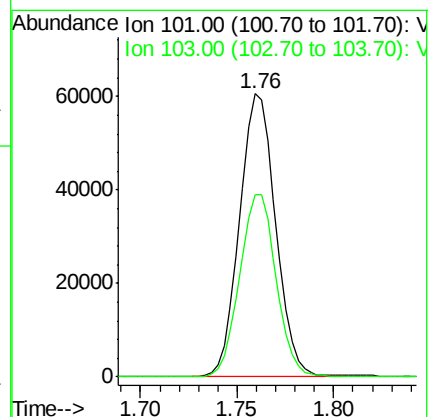
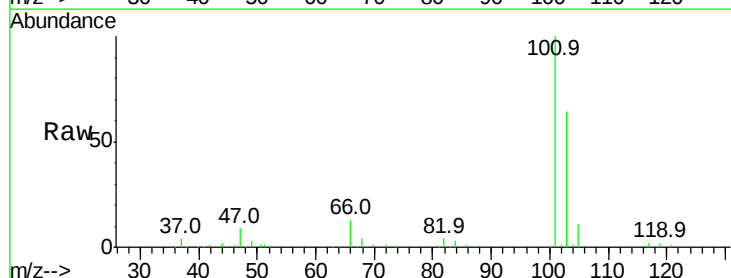
Acq: 09 May 2019 12:08

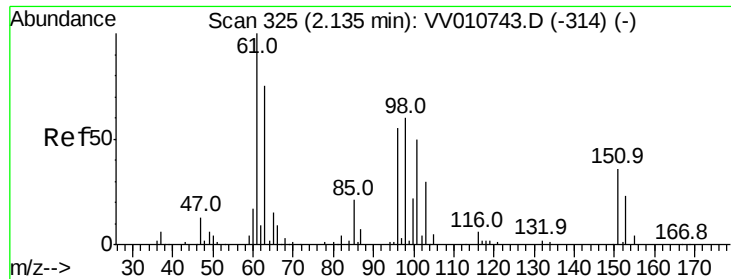
Tgt Ion: 101 Resp: 78627

Ion Ratio Lower Upper

101 100

103 65.2 44.7 82.9





#11

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

Concen: 22.756 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

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ClientSampleId :

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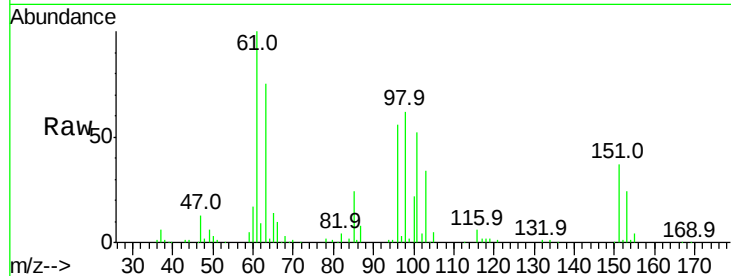
Tgt Ion:101 Resp: 46638

Ion Ratio Lower Upper

101 100

85 45.5 36.0 54.0

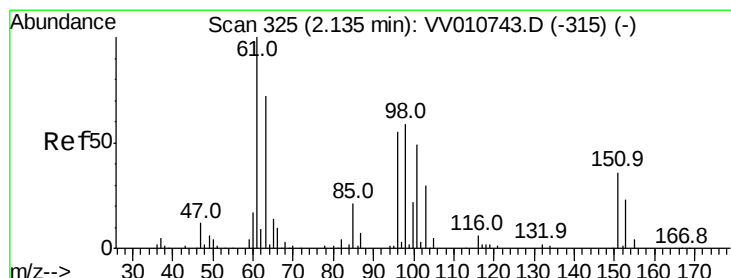
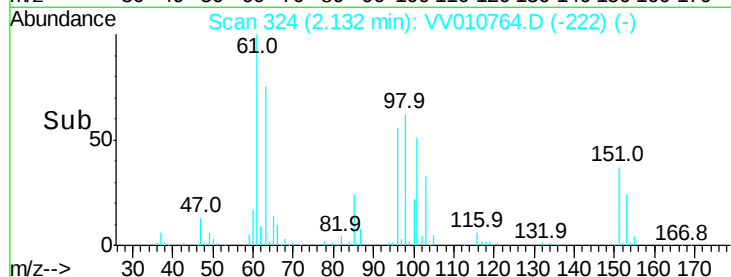
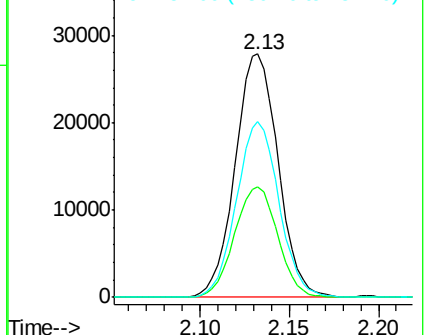
151 71.6 58.5 87.7



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: 22.173 ug/L

RT: 2.13 min Scan# 324

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

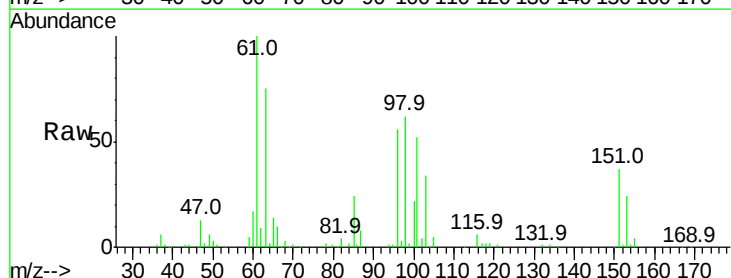
Tgt Ion: 96 Resp: 42552

Ion Ratio Lower Upper

96 100

61 179.0 120.3 223.3

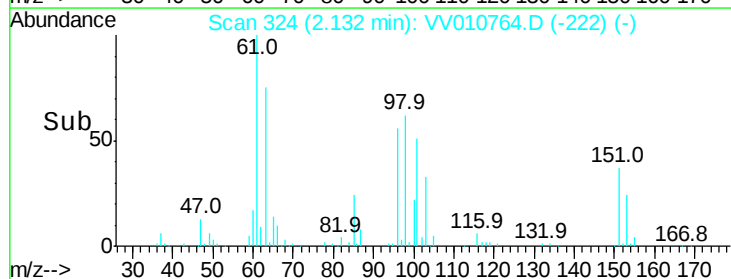
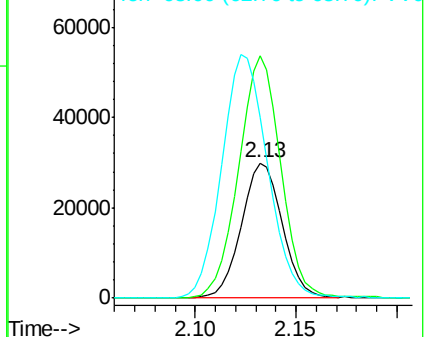
63 133.8 82.9 153.9

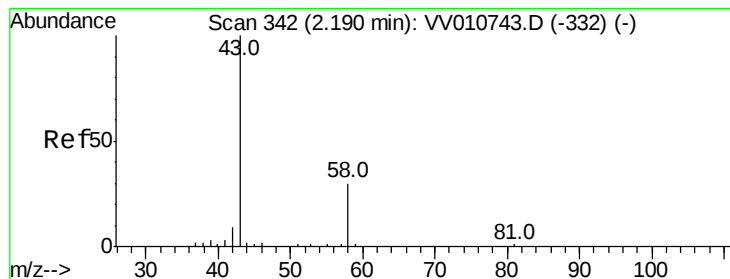


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 35.485 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

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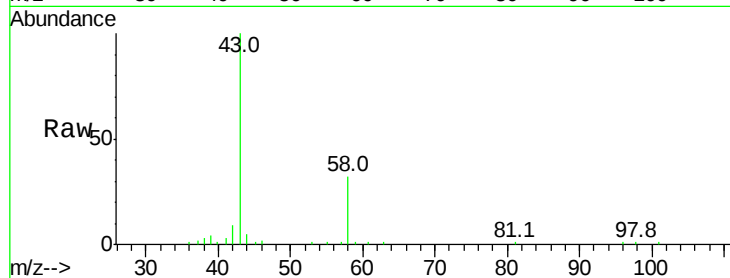
VSTD02591

Tgt Ion: 43 Resp: 31218

Ion Ratio Lower Upper

43 100

58 31.7 0.0 63.4



Abundance Ion 43.00 (42.70 to 43.70): VV010764.D (-239) (-)

Ion 58.00 (57.70 to 58.70): VV010764.D (-239) (-)

2.19

20000

15000

10000

5000

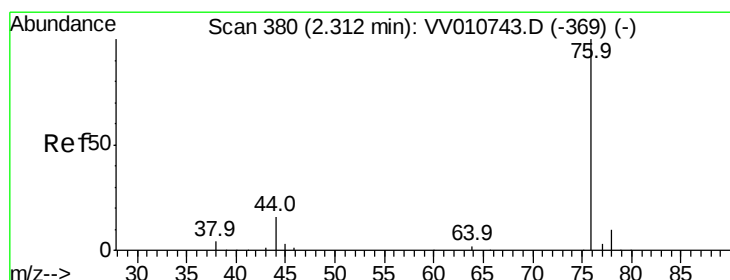
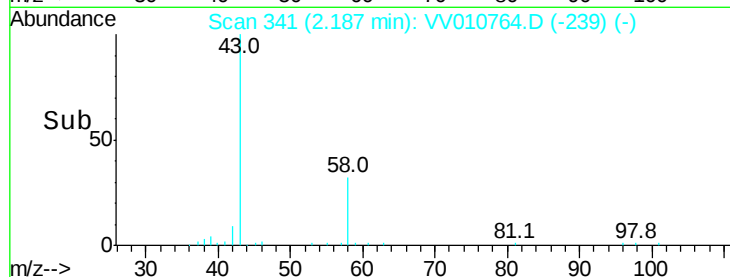
0

Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 23.447 ug/L

RT: 2.31 min Scan# 379

Delta R.T. -0.00 min

Lab File: VV010764.D

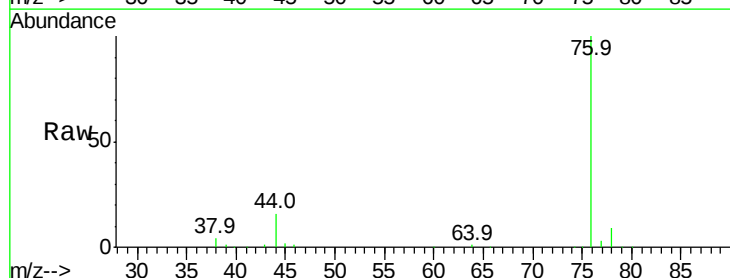
Acq: 09 May 2019 12:08

Tgt Ion: 76 Resp: 110576

Ion Ratio Lower Upper

76 100

78 8.8 7.8 11.8



Abundance Ion 76.00 (75.70 to 76.70): VV010764.D (-224) (-)

Ion 78.00 (77.70 to 78.70): VV010764.D (-224) (-)

2.31

80000

60000

40000

20000

0

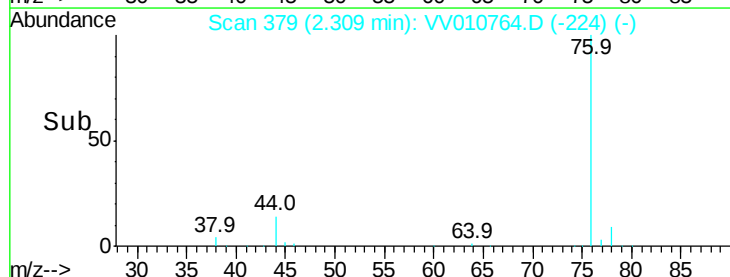
Time-->

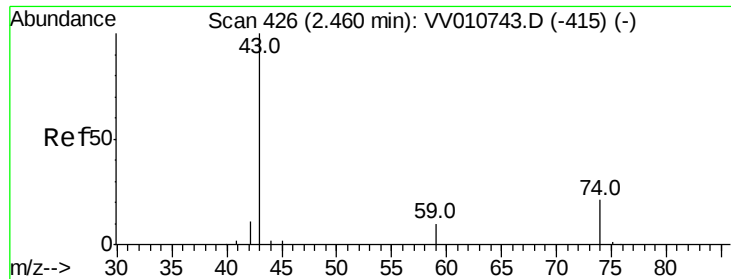
2.25

2.30

2.35

2.40

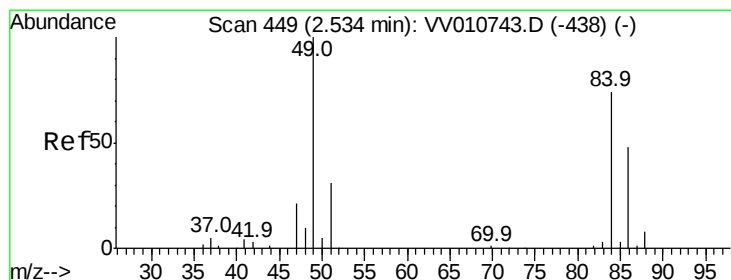
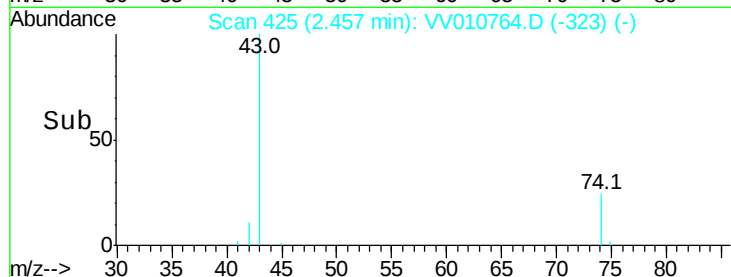
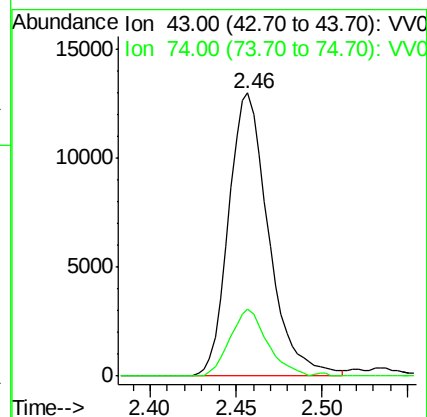
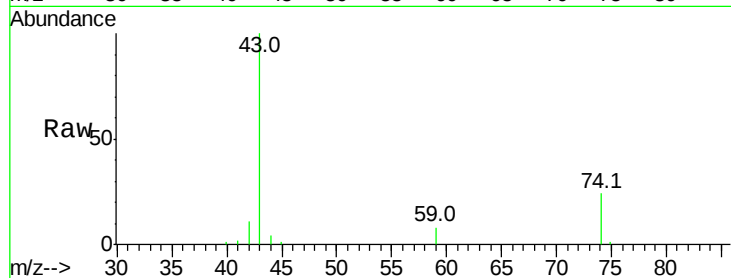




#15
Methyl Acetate
Concen: 20.004 ug/L
RT: 2.46 min Scan# 425
Delta R.T. -0.00 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

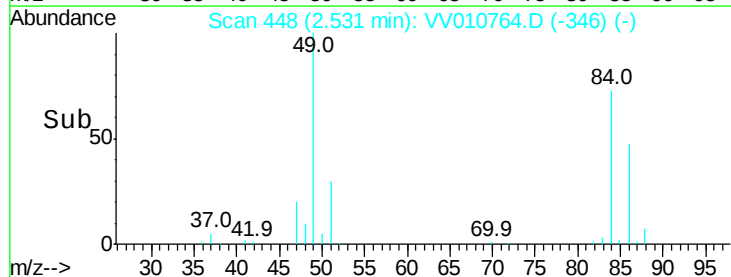
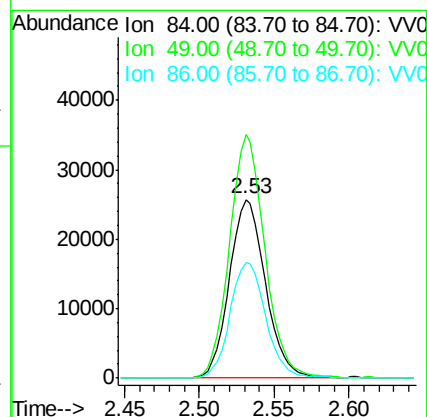
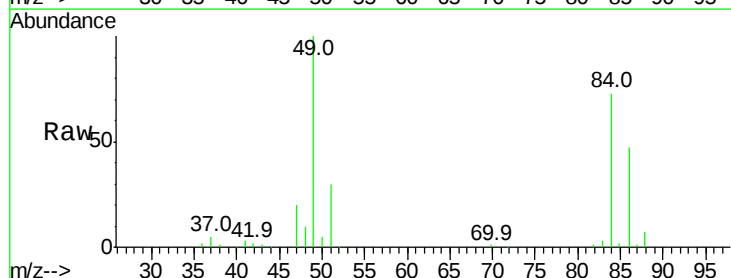
Instrument :
MSVOA_V
ClientSampleId :
VSTD02591

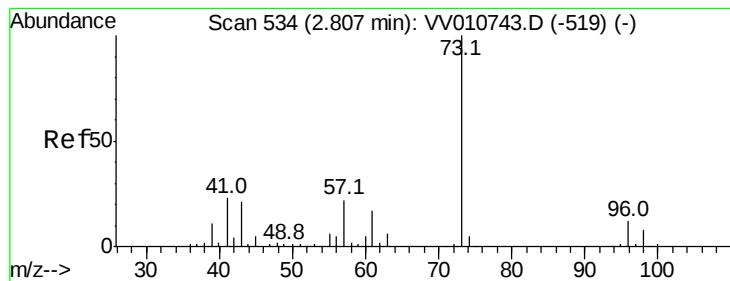
Tgt Ion: 43 Resp: 21024
Ion Ratio Lower Upper
43 100
74 22.2 17.0 25.4



#16
Methylene chloride
Concen: 22.947 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Tgt Ion: 84 Resp: 43251
Ion Ratio Lower Upper
84 100
49 136.2 92.9 172.5
86 64.6 46.5 86.5





#17

Methyl tert-butyl Ether

Concen: 22.921 ug/L

RT: 2.80 min Scan# 532

Delta R.T. -0.01 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02591

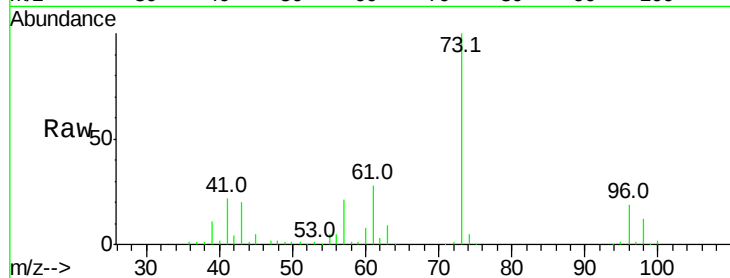
Tgt Ion: 73 Resp: 110144

Ion Ratio Lower Upper

73 100

43 21.1 16.6 25.0

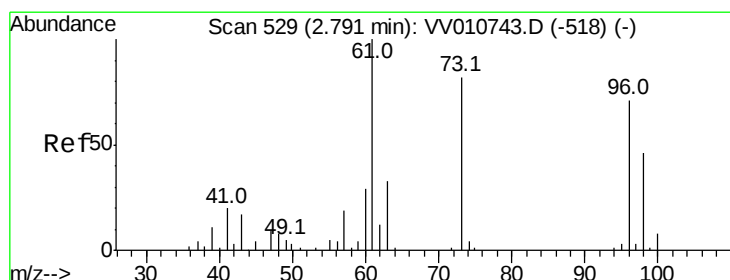
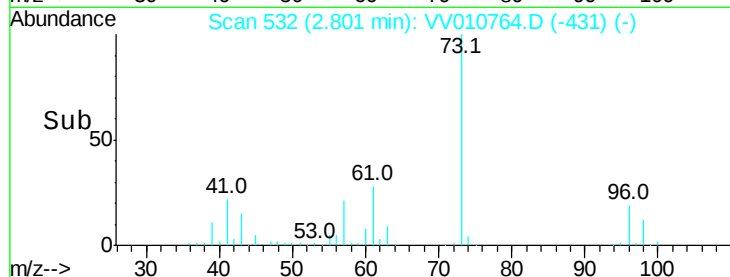
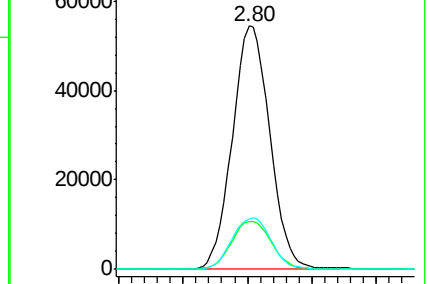
57 22.2 17.4 26.2



Abundance Ion 73.00 (72.70 to 73.70): VV010743.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV010743.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV010743.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 23.414 ug/L

RT: 2.78 min Scan# 527

Delta R.T. -0.01 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

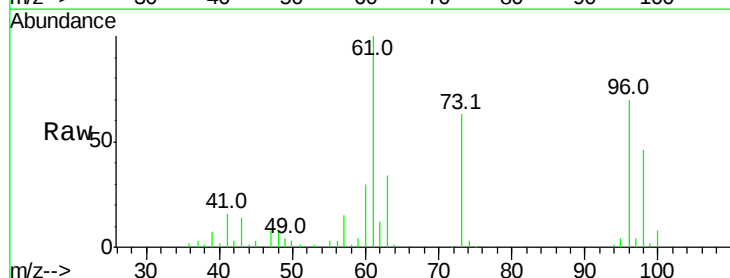
Tgt Ion: 96 Resp: 40617

Ion Ratio Lower Upper

96 100

61 143.4 102.8 190.8

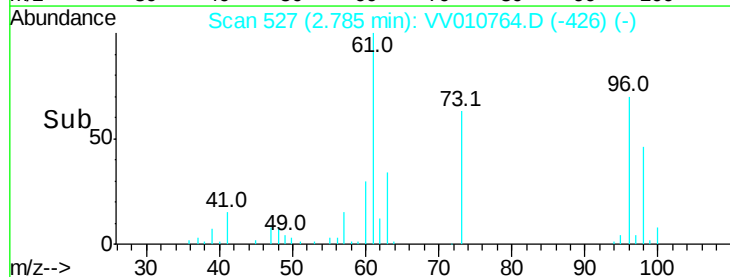
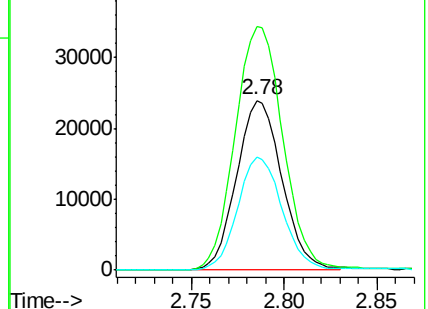
98 66.2 44.0 81.6

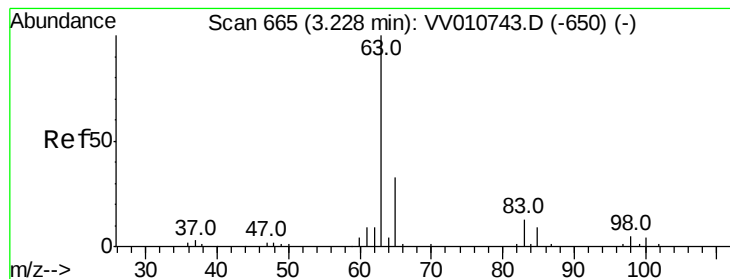


Abundance Ion 96.00 (95.70 to 96.70): VV010743.D (-518) (-)

Ion 61.00 (60.70 to 61.70): VV010743.D (-518) (-)

Ion 98.00 (97.70 to 98.70): VV010743.D (-518) (-)





#19

1,1-Dichloroethane

Concen: 23.748 ug/L

RT: 3.22 min Scan# 663

Delta R.T. -0.01 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02591

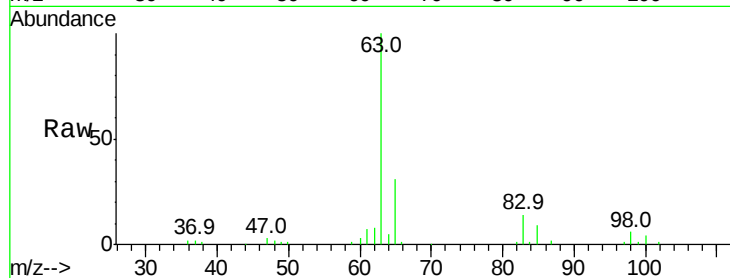
Tgt Ion: 63 Resp: 79531

Ion Ratio Lower Upper

63 100

65 30.9 22.5 41.7

83 14.1 10.3 19.1



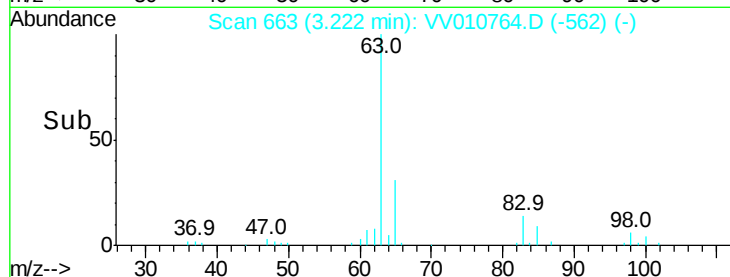
Abundance Ion 63.00 (62.70 to 63.70): VV010764.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV010764.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV010764.D (-650) (-)

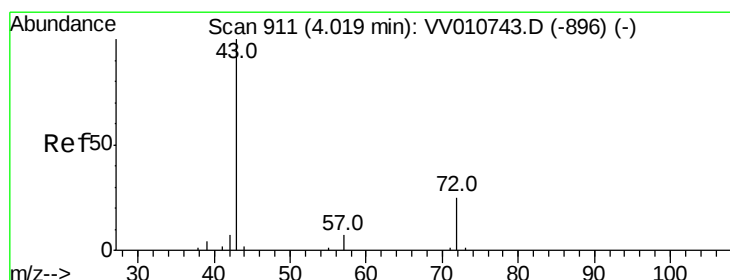
3.22

Time-->



3.22

Time-->



#21

2-Butanone

Concen: 39.613 ug/L

RT: 4.01 min Scan# 908

Delta R.T. -0.01 min

Lab File: VV010764.D

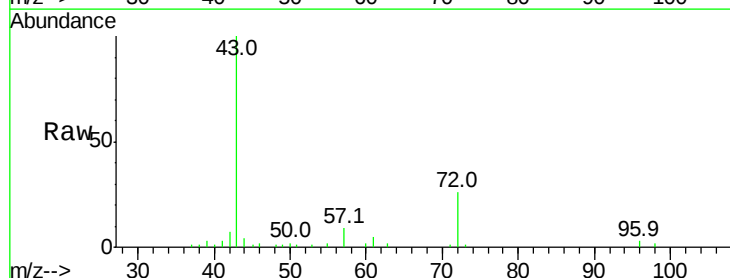
Acq: 09 May 2019 12:08

Tgt Ion: 43 Resp: 33029

Ion Ratio Lower Upper

43 100

72 22.1 11.2 33.6

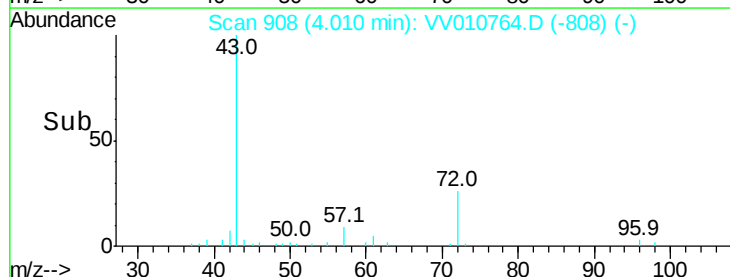


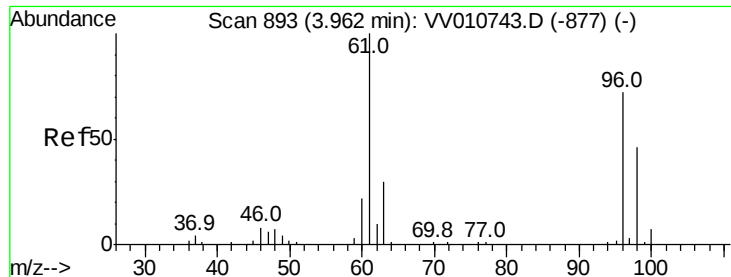
Abundance Ion 43.00 (42.70 to 43.70): VV010764.D (-808) (-)

Ion 72.00 (71.70 to 72.70): VV010764.D (-808) (-)

4.01

Time-->



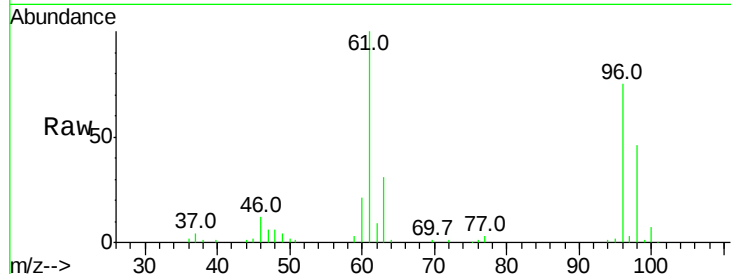


#22

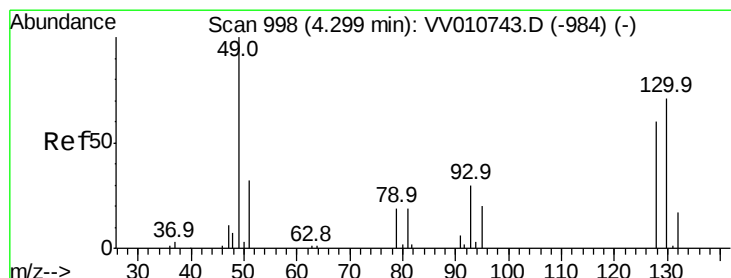
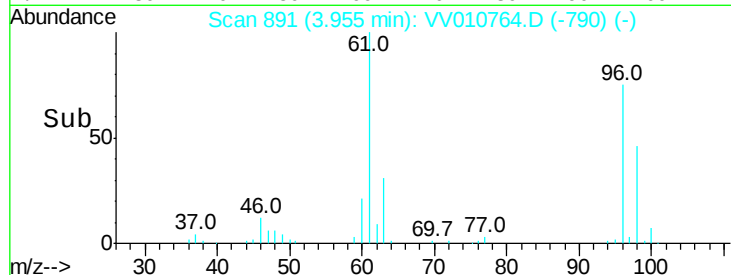
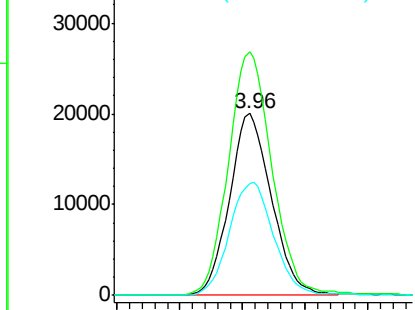
cis-1,2-Dichloroethene
Concen: 23.504 ug/L
RT: 3.96 min Scan# 891
Delta R.T. -0.01 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD02591

Tgt Ion: 96 Resp: 46576
Ion Ratio Lower Upper
96 100
61 134.1 93.9 174.5
98 61.3 46.5 86.5



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

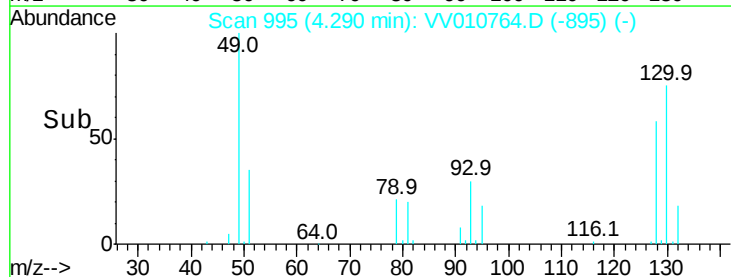
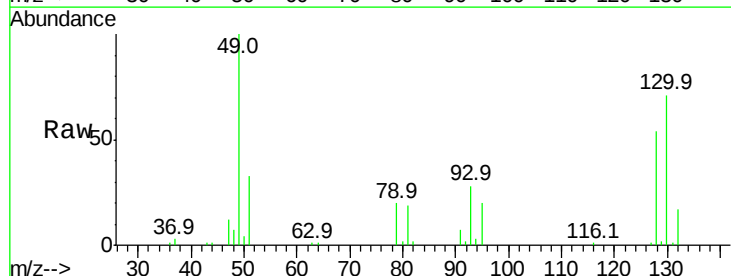
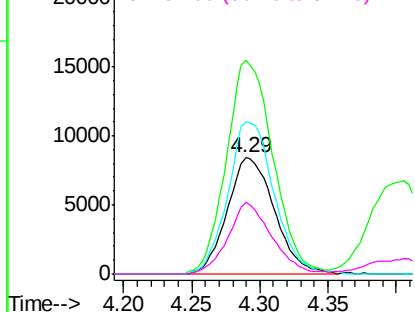


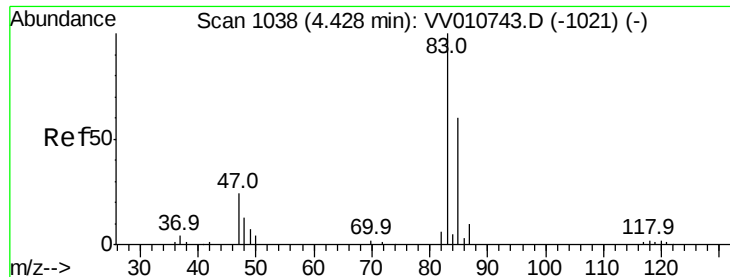
#23

Bromochloromethane
Concen: 22.801 ug/L
RT: 4.29 min Scan# 995
Delta R.T. -0.01 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Tgt Ion: 128 Resp: 20311
Ion Ratio Lower Upper
128 100
49 183.8 122.6 227.8
130 131.2 84.0 156.0
51 61.4 45.0 67.4

Abundance Ion 128.00 (127.70 to 128.70): V
Ion 49.00 (48.70 to 49.70): VV0
Ion 130.00 (129.70 to 130.70): V
Ion 51.00 (50.70 to 51.70): VV0

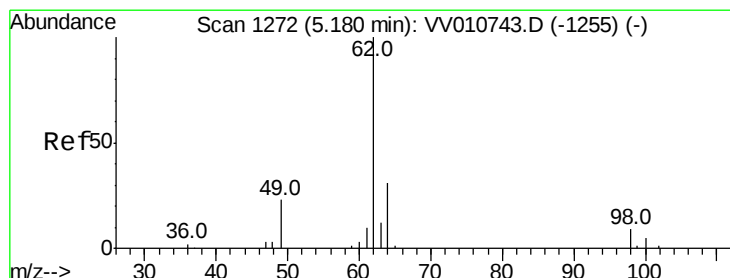
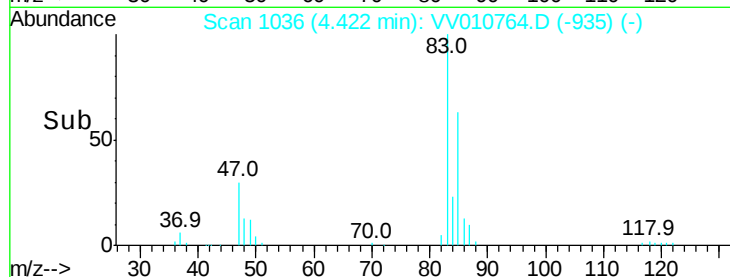
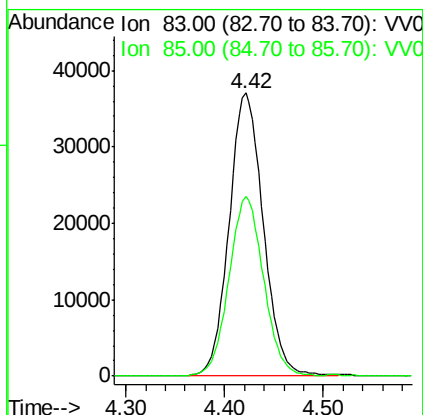
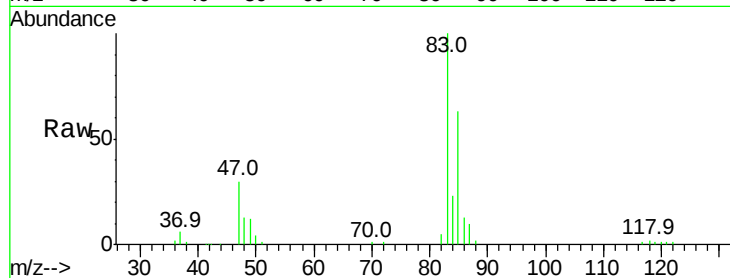




#25
Chloroform
Concen: 24.303 ug/L
RT: 4.42 min Scan# 1036
Delta R.T. -0.01 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

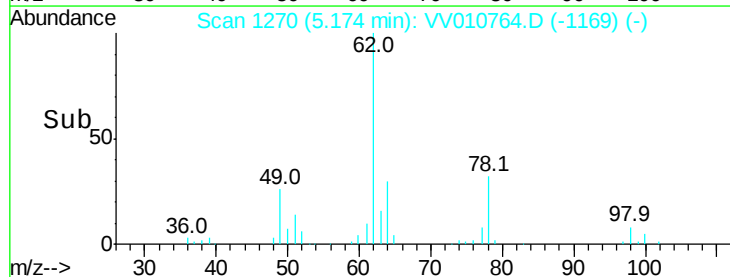
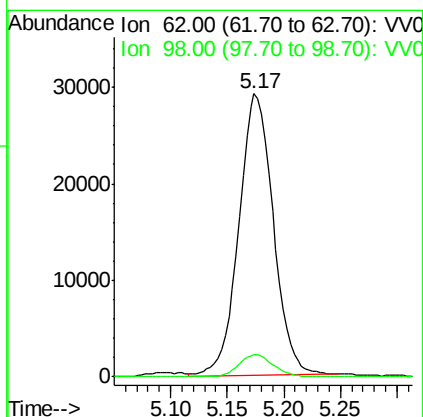
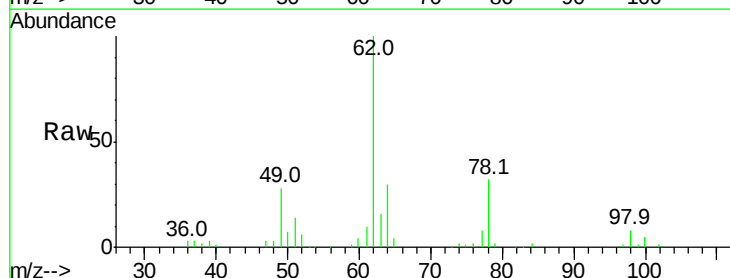
Instrument :
MSVOA_V
ClientSampleId :
VSTD02591

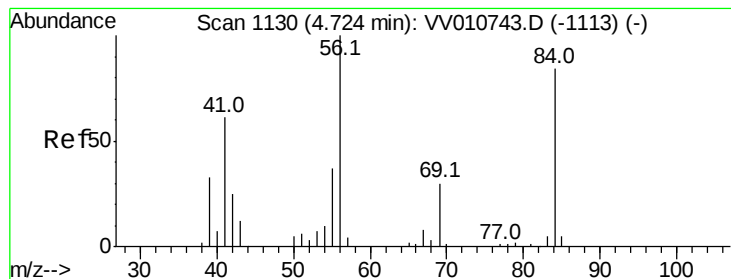
Tgt Ion: 83 Resp: 89661
Ion Ratio Lower Upper
83 100
85 64.2 44.6 82.8



#27
1,2-Dichloroethane
Concen: 23.005 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Tgt Ion: 62 Resp: 62037
Ion Ratio Lower Upper
62 100
98 7.9 6.3 9.5





#30

Cyclohexane

Concen: 24.974 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampled :

VSTD02591

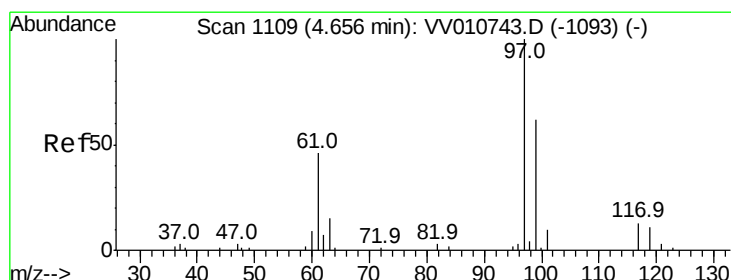
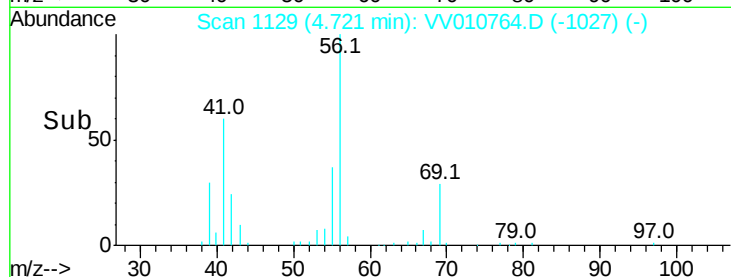
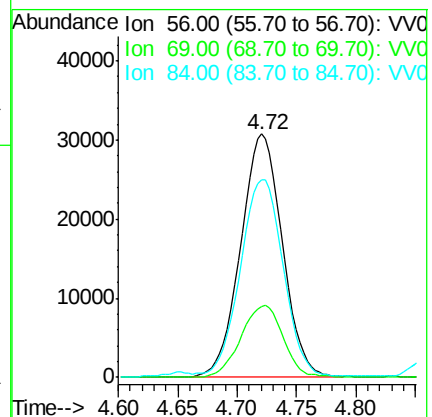
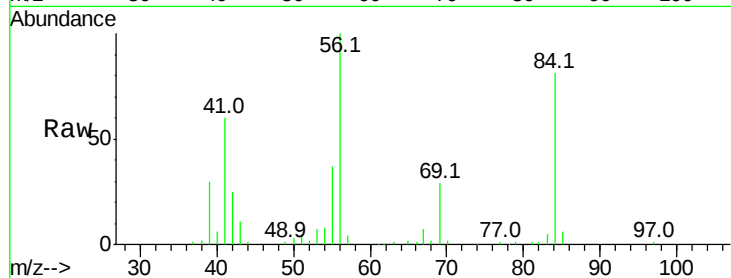
Tgt Ion: 56 Resp: 74667

Ion Ratio Lower Upper

56 100

69 30.0 24.2 36.4

84 84.3 66.5 99.7



#31

1,1,1-Trichloroethane

Concen: 24.279 ug/L

RT: 4.65 min Scan# 1108

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

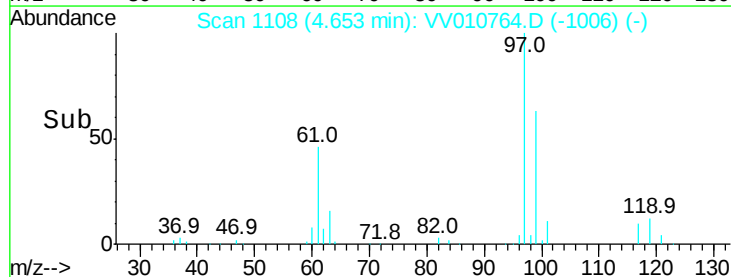
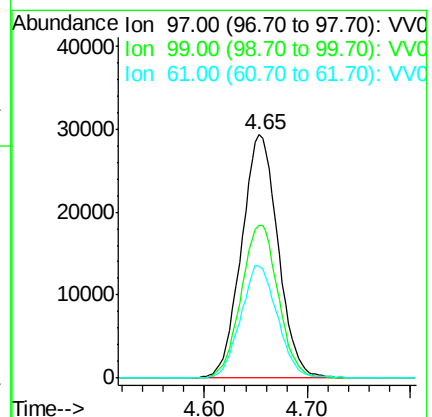
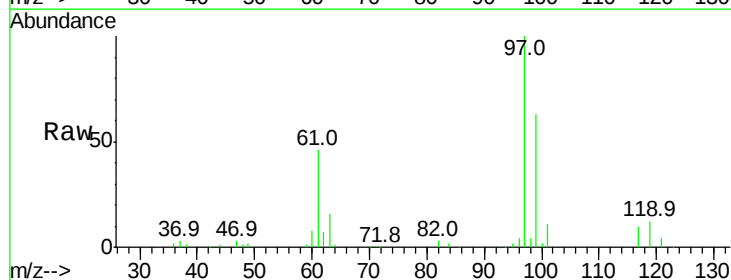
Tgt Ion: 97 Resp: 72167

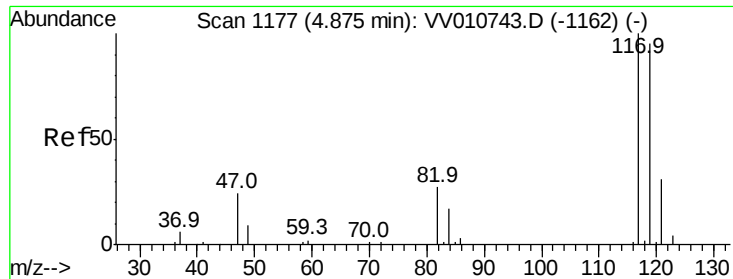
Ion Ratio Lower Upper

97 100

99 63.5 50.2 75.2

61 46.4 36.7 55.1





#32

Carbon tetrachloride

Concen: 25.006 ug/L

RT: 4.87 min Scan# 1176

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

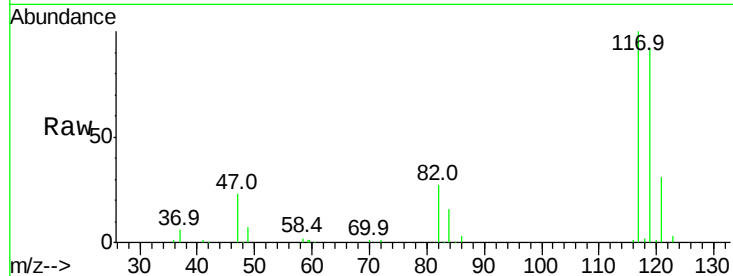
VSTD02591

Tgt Ion:117 Resp: 64744

Ion Ratio Lower Upper

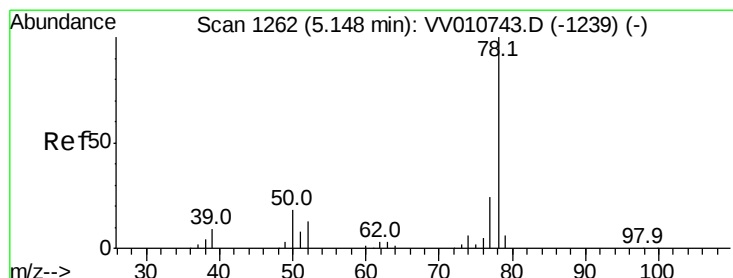
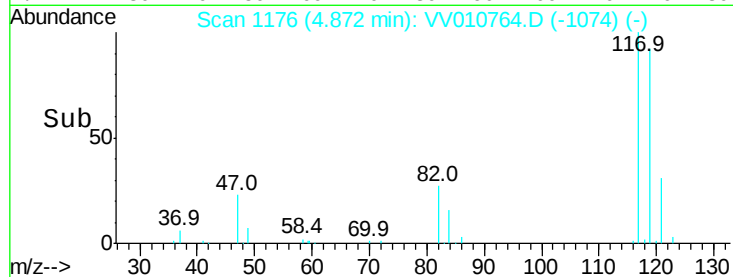
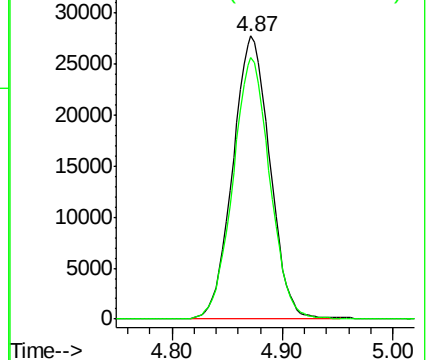
117 100

119 91.6 74.9 112.3



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.845 ug/L

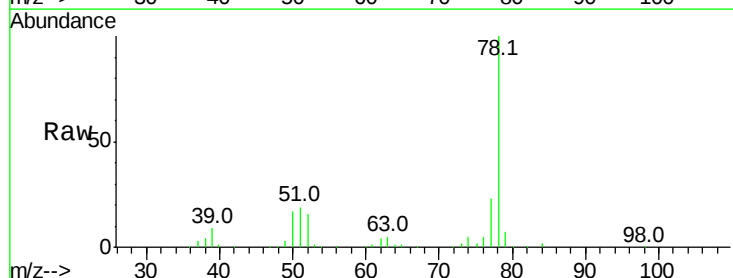
RT: 5.14 min Scan# 1261

Delta R.T. -0.00 min

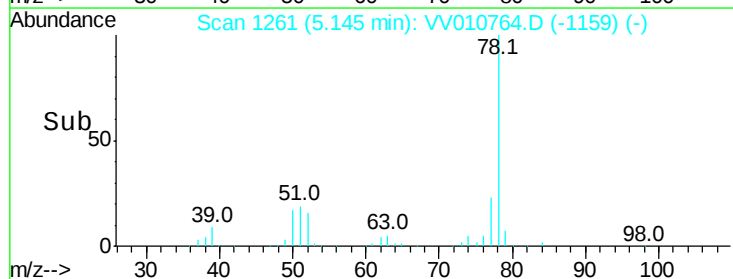
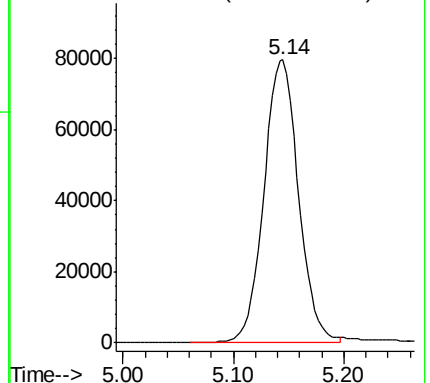
Lab File: VV010764.D

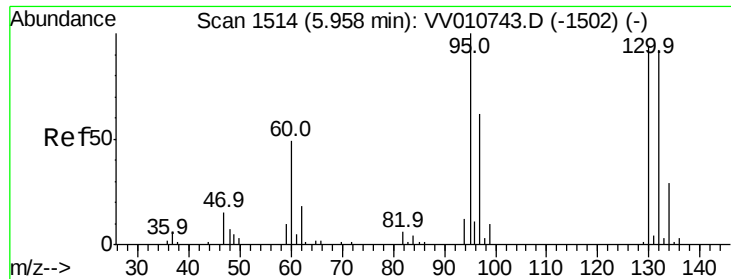
Acq: 09 May 2019 12:08

Tgt Ion: 78 Resp: 173870



Abundance Ion 78.00 (77.70 to 78.70): VV0





#35

Trichloroethene

Concen: 25.104 ug/L

RT: 5.96 min Scan# 1513

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02591

Tgt Ion: 95 Resp: 49210

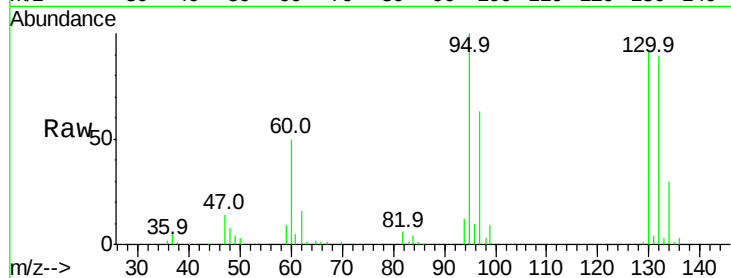
Ion Ratio Lower Upper

95 100

97 63.1 44.3 82.3

132 87.8 62.4 115.8

130 93.2 68.5 127.3



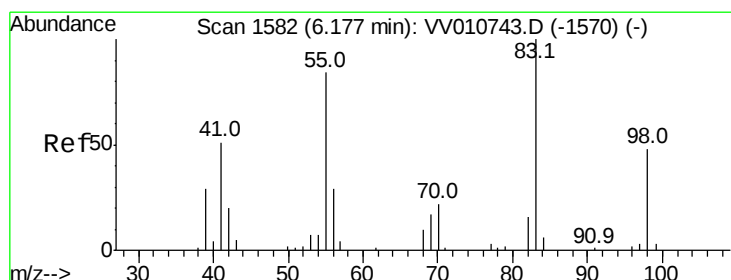
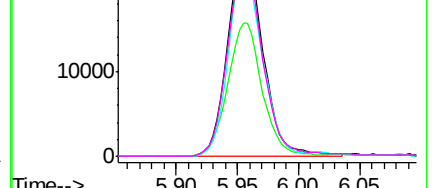
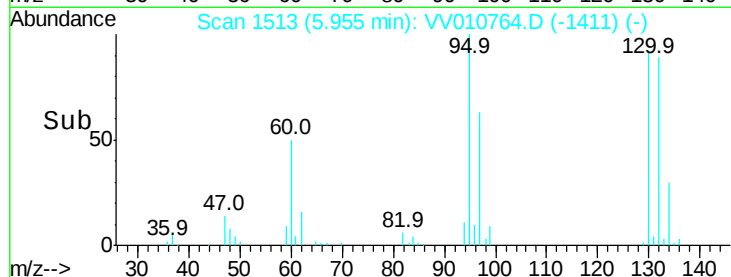
Abundance Ion 95.00 (94.70 to 95.70): VV010743.D (-1502) (-)

Ion 97.00 (96.70 to 97.70): VV010743.D (-1502) (-)

Ion 132.00 (131.70 to 132.70): VV010743.D (-1502) (-)

Ion 130.00 (129.70 to 130.70): VV010743.D (-1502) (-)

Time-->



#36

Methylcyclohexane

Concen: 24.699 ug/L

RT: 6.17 min Scan# 1581

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

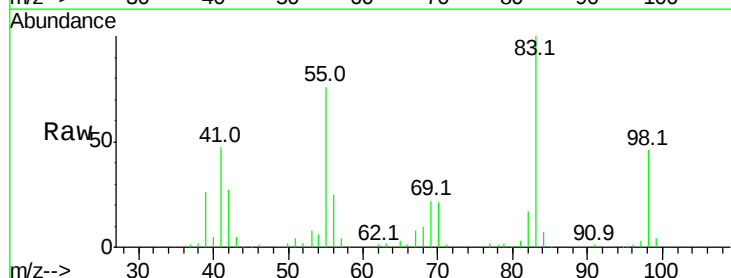
Tgt Ion: 83 Resp: 77597

Ion Ratio Lower Upper

83 100

55 78.8 64.6 96.8

98 47.6 37.7 56.5

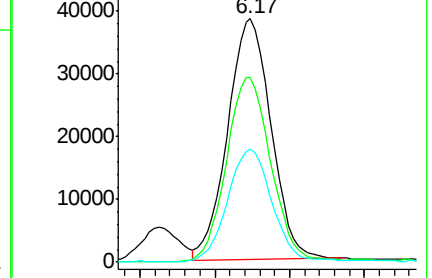
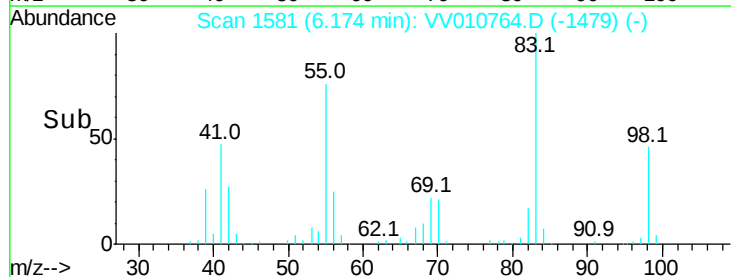


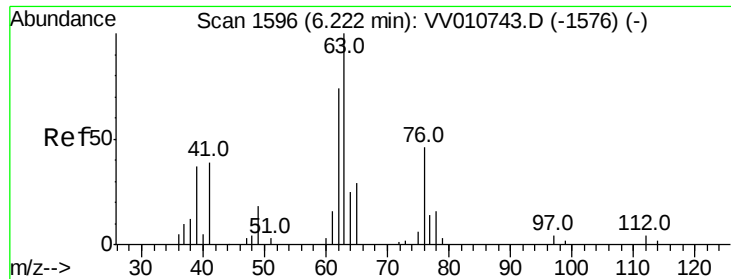
Abundance Ion 83.00 (82.70 to 83.70): VV010743.D (-1570) (-)

Ion 55.00 (54.70 to 55.70): VV010743.D (-1570) (-)

Ion 98.00 (97.70 to 98.70): VV010743.D (-1570) (-)

Time-->





#40

1,2-Dichloropropane

Concen: 24.542 ug/L

RT: 6.22 min Scan# 1595

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

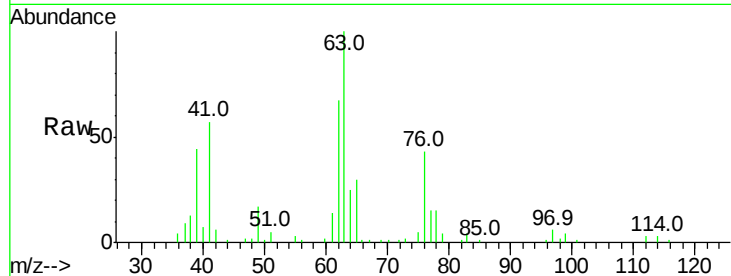
VSTD02591

Tgt Ion: 63 Resp: 45688

Ion Ratio Lower Upper

63 100

112 1.9 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV0

Ion 112.00 (111.70 to 112.70): V

25000

20000

15000

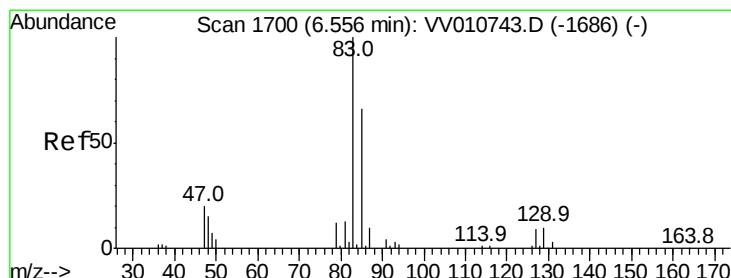
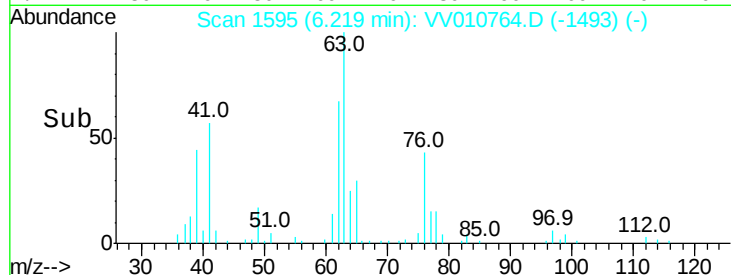
10000

5000

0

6.10 6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 23.590 ug/L

RT: 6.55 min Scan# 1698

Delta R.T. -0.01 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

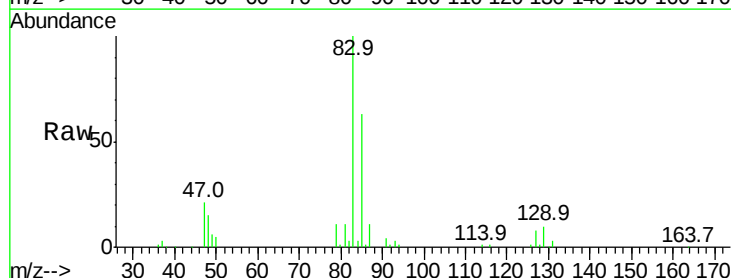
Tgt Ion: 83 Resp: 60343

Ion Ratio Lower Upper

83 100

85 63.3 43.5 80.7

127 8.2 6.2 9.4



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 127.00 (126.70 to 127.70): V

40000

30000

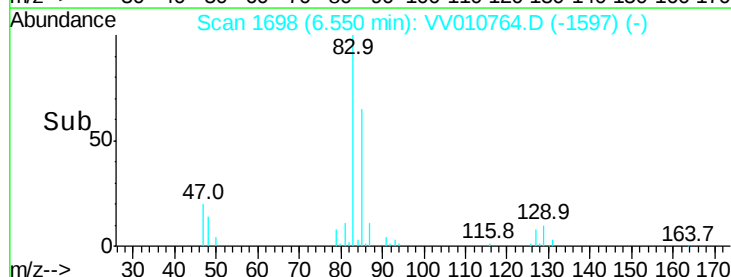
20000

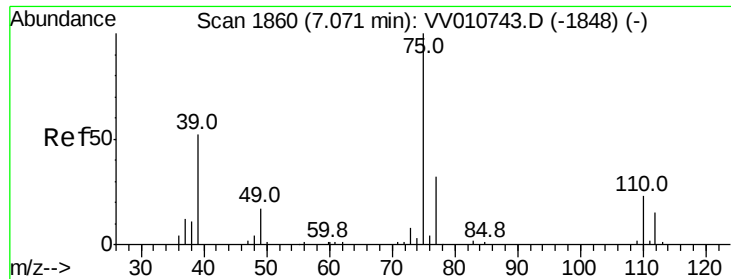
10000

0

6.50 6.55 6.60

Time-->





#42

cis-1,3-Dichloropropene

Concen: 25.149 ug/L

RT: 7.07 min Scan# 1859

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

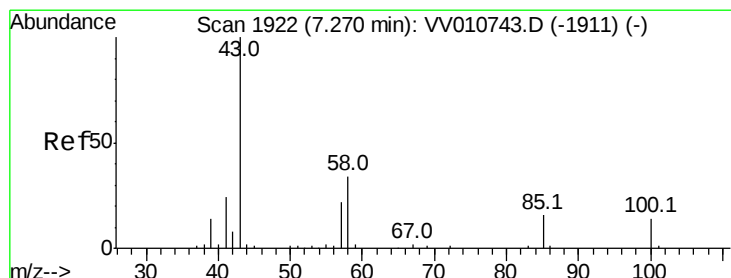
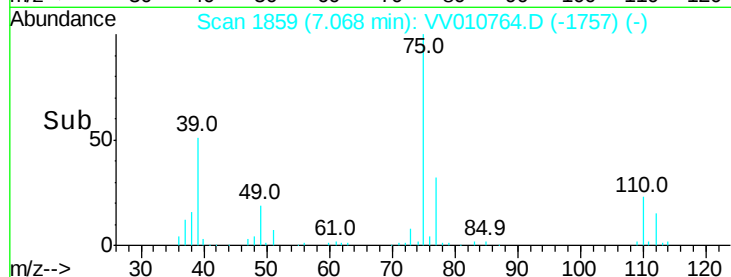
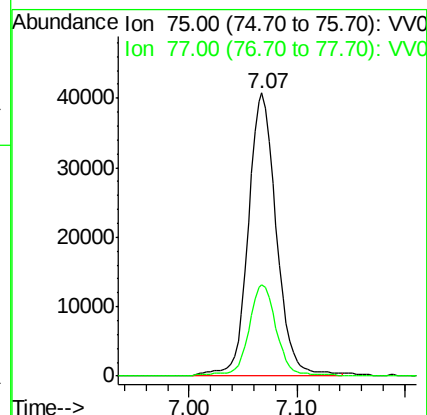
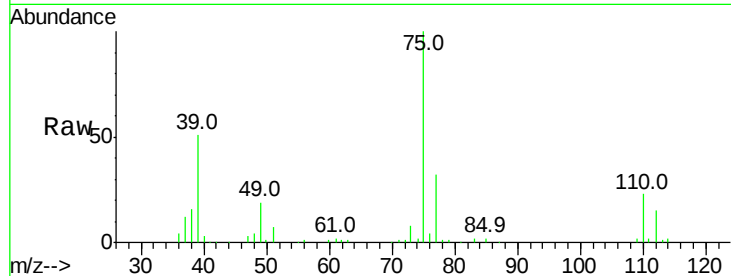
VSTD02591

Tgt Ion: 75 Resp: 74051

Ion Ratio Lower Upper

75 100

77 32.4 22.3 41.3



#43

4-Methyl-2-pentanone

Concen: 42.469 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. 0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

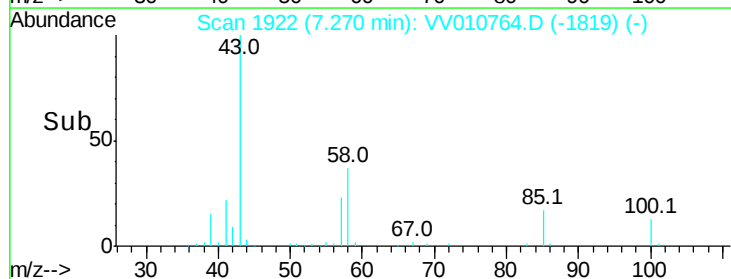
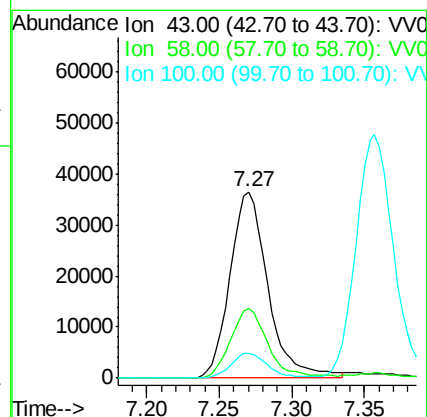
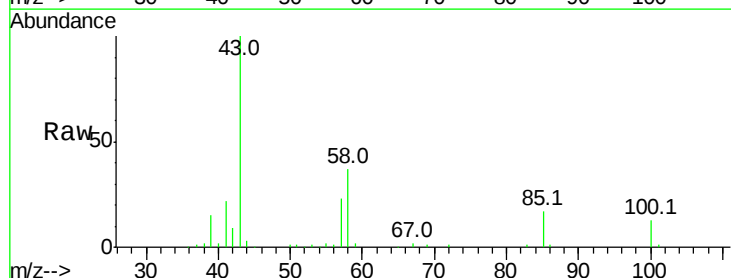
Tgt Ion: 43 Resp: 66551

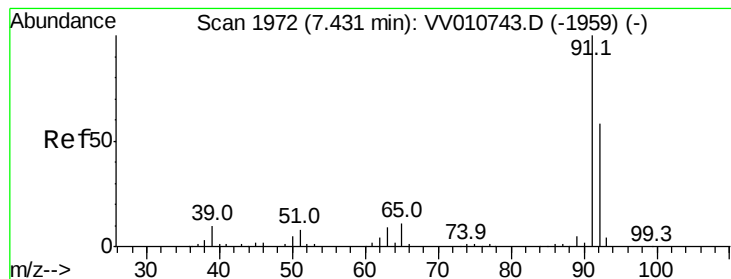
Ion Ratio Lower Upper

43 100

58 36.9 28.1 42.1

100 12.6 11.0 16.6





#44

Toluene

Concen: 25.125 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

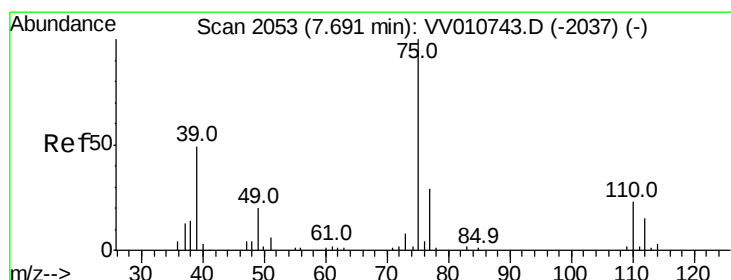
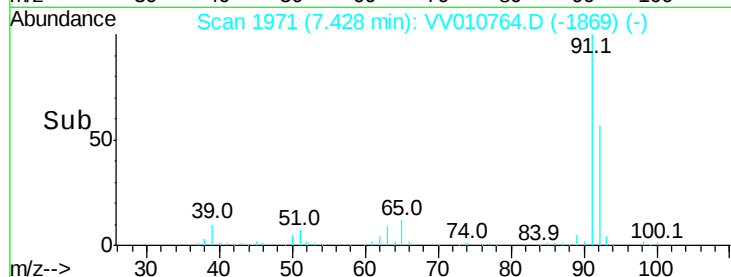
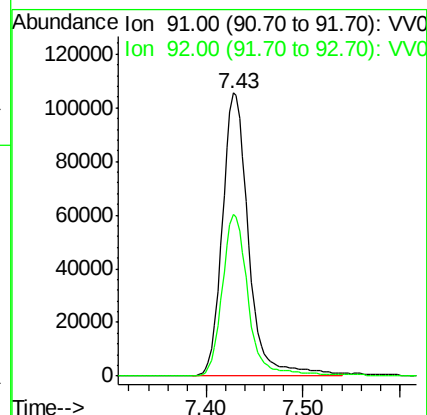
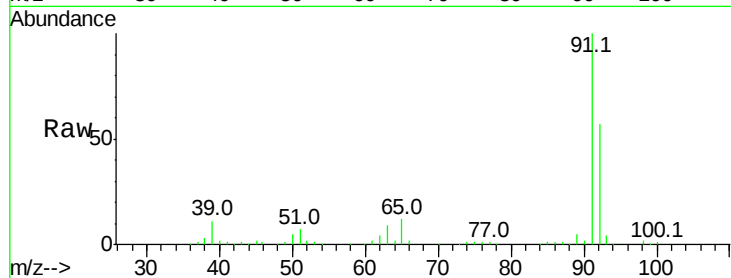
VSTD02591

Tgt Ion: 91 Resp: 199695

Ion Ratio Lower Upper

91 100

92 57.3 40.1 74.5



#45

trans-1,3-Dichloropropene

Concen: 24.163 ug/L

RT: 7.69 min Scan# 2053

Delta R.T. 0.00 min

Lab File: VV010764.D

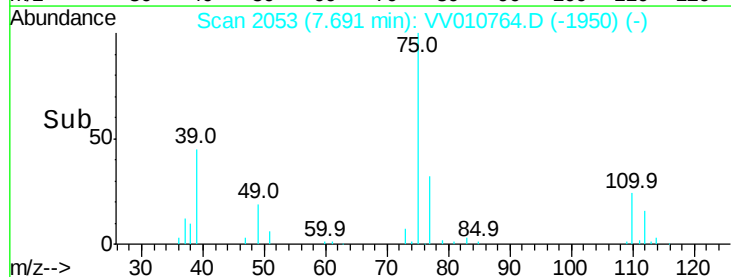
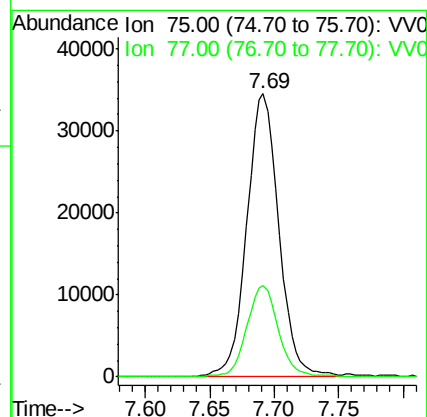
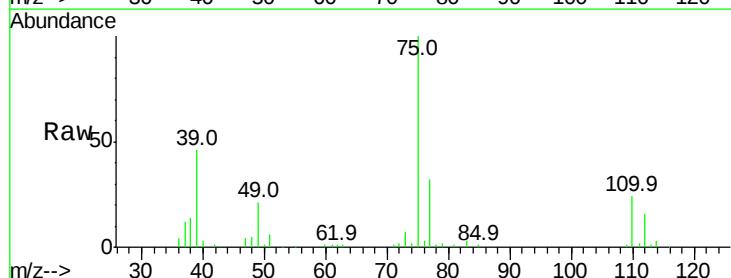
Acq: 09 May 2019 12:08

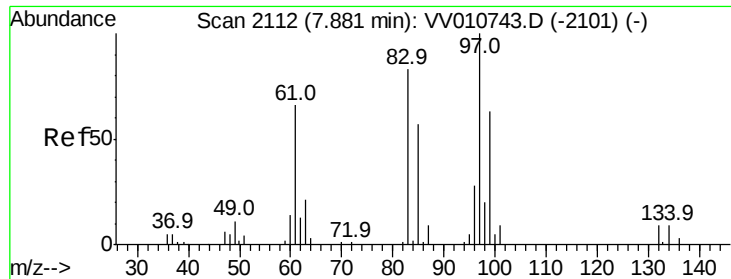
Tgt Ion: 75 Resp: 59912

Ion Ratio Lower Upper

75 100

77 32.2 22.3 41.3

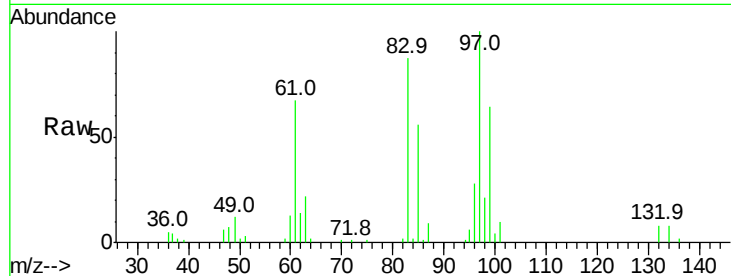




#46
 1,1,2-Trichloroethane
 Concen: 23.027 ug/L
 RT: 7.88 min Scan# 2112
 Delta R.T. 0.00 min
 Lab File: VV010764.D
 Acq: 09 May 2019 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02591

Tgt Ion:	97	Resp:	35217
Ion	Ratio	Lower	Upper
97	100		
83	86.9	62.8	116.6
85	55.7	40.2	74.6
99	63.6	42.6	79.0



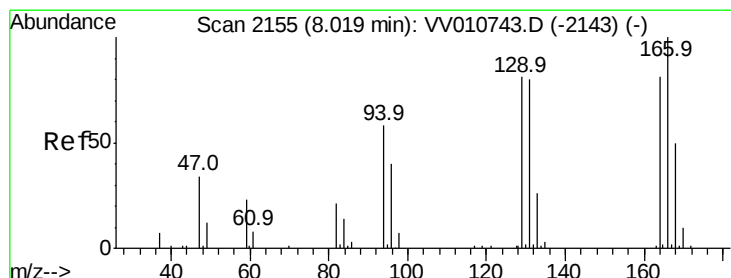
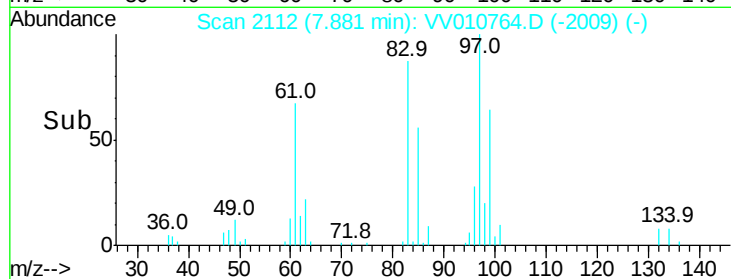
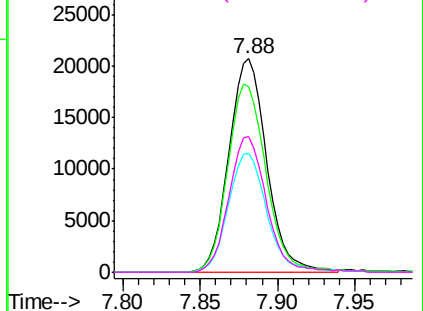
Abundance

Ion 97.00 (96.70 to 97.70): VV010764.D (-2009) (-)

Ion 83.00 (82.70 to 83.70): VV010764.D (-2009) (-)

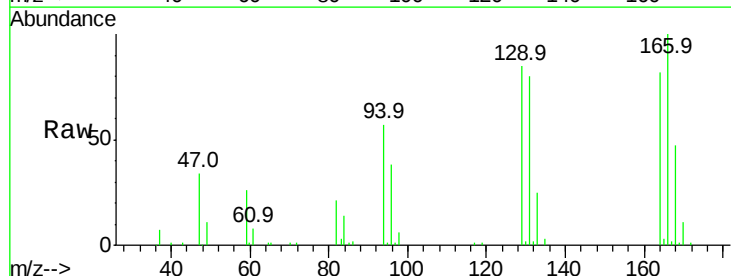
Ion 85.00 (84.70 to 85.70): VV010764.D (-2009) (-)

Ion 99.00 (98.70 to 99.70): VV010764.D (-2009) (-)



#47
 Tetrachloroethene
 Concen: 24.446 ug/L
 RT: 8.02 min Scan# 2154
 Delta R.T. -0.00 min
 Lab File: VV010764.D
 Acq: 09 May 2019 12:08

Tgt Ion:	164	Resp:	34704
Ion	Ratio	Lower	Upper
164	100		
129	103.5	69.3	128.7
131	97.2	67.3	125.1
166	121.5	81.1	150.7



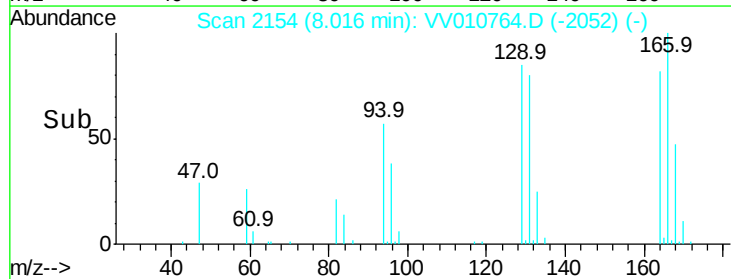
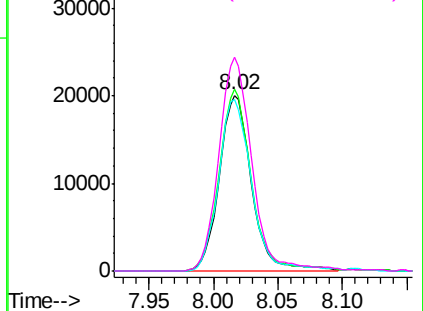
Abundance

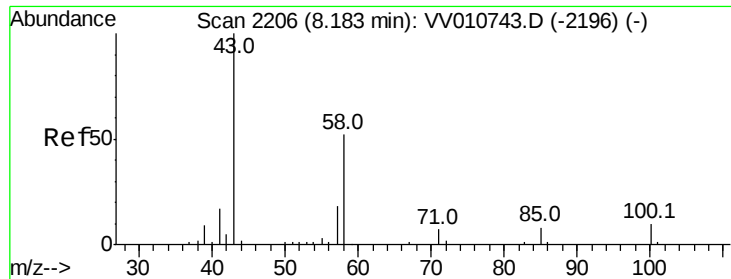
Ion 164.00 (163.70 to 164.70): VV010764.D (-2052) (-)

Ion 129.00 (128.70 to 129.70): VV010764.D (-2052) (-)

Ion 131.00 (130.70 to 131.70): VV010764.D (-2052) (-)

Ion 166.00 (165.70 to 166.70): VV010764.D (-2052) (-)

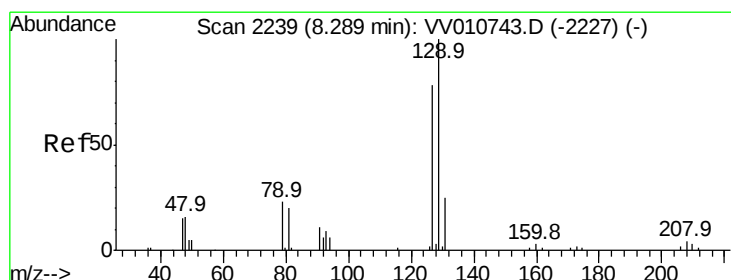
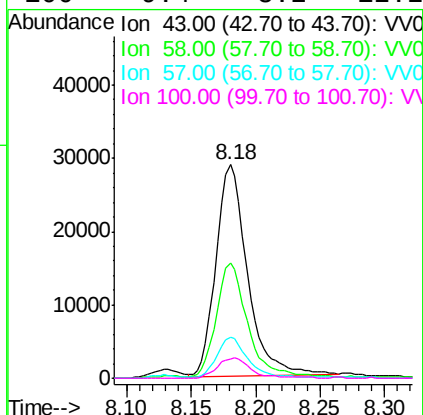
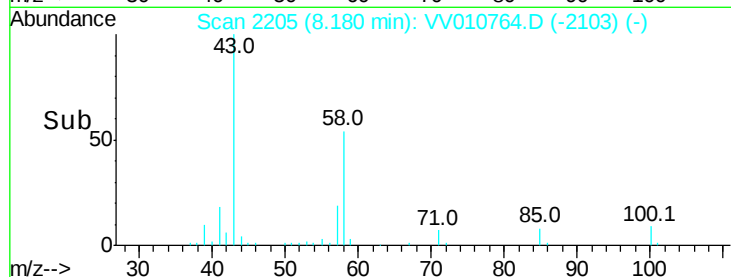
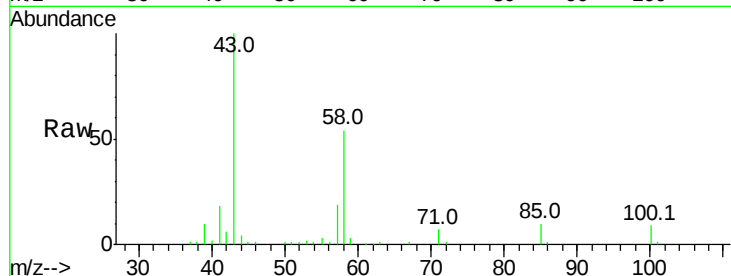




#49
2-Hexanone
Concen: 41.444 ug/L
RT: 8.18 min Scan# 2205
Delta R.T. -0.00 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

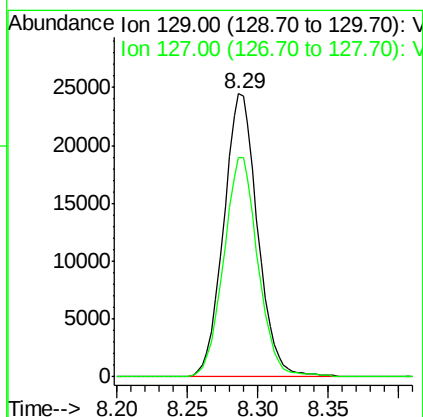
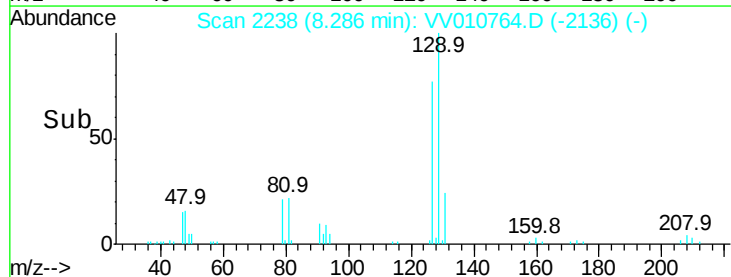
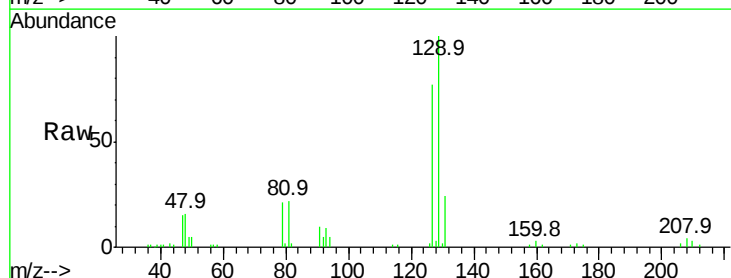
Instrument :
MSVOA_V
ClientSampleId :
VSTD02591

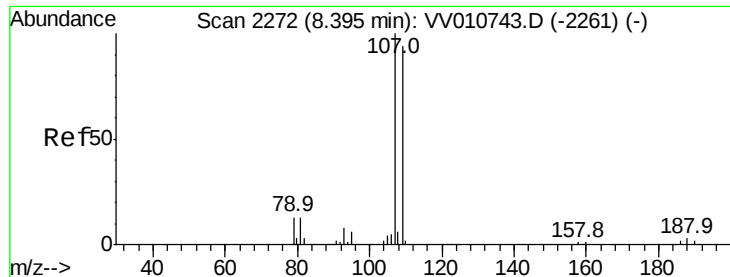
Tgt Ion: 43 Resp: 49377
Ion Ratio Lower Upper
43 100
58 53.6 39.4 59.0
57 18.3 14.2 21.4
100 9.4 8.2 12.2



#50
Dibromochloromethane
Concen: 23.420 ug/L
RT: 8.29 min Scan# 2238
Delta R.T. -0.00 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Tgt Ion: 129 Resp: 41188
Ion Ratio Lower Upper
129 100
127 77.4 54.5 101.1





#51

1,2-Dibromoethane

Concen: 22.929 ug/L

RT: 8.39 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02591

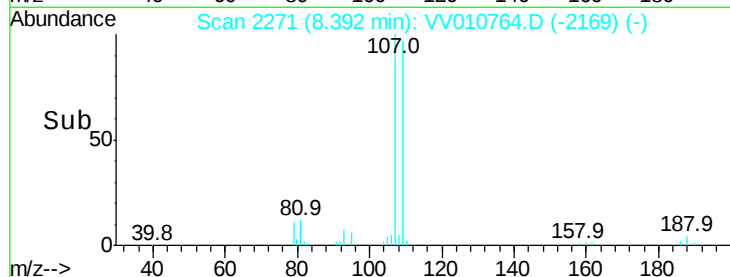
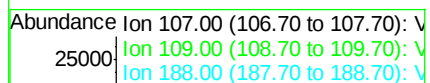
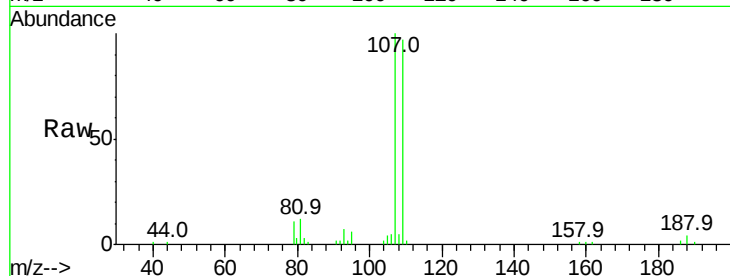
Tgt Ion:107 Resp: 33868

Ion Ratio Lower Upper

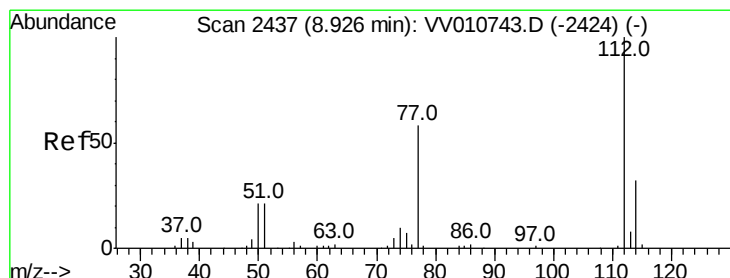
107 100

109 97.1 66.6 123.6

188 4.0 2.7 4.1



Time-->



#52

Chlorobenzene

Concen: 24.344 ug/L

RT: 8.92 min Scan# 2436

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

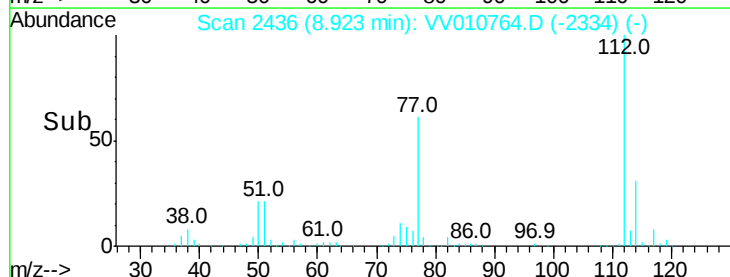
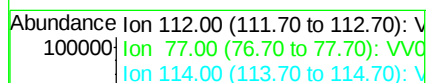
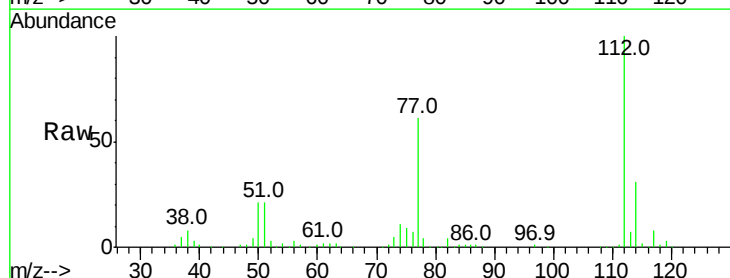
Tgt Ion:112 Resp: 126408

Ion Ratio Lower Upper

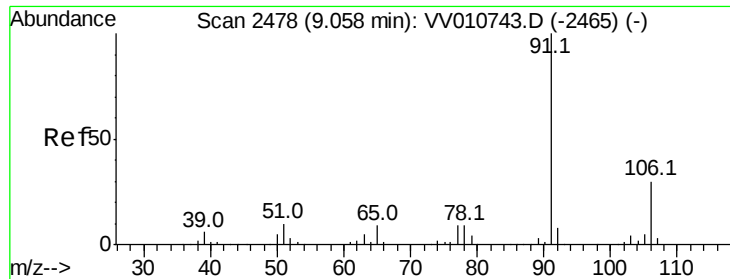
112 100

77 60.7 47.7 71.5

114 31.0 22.1 41.1



Time-->



#53

Ethylbenzene

Concen: 24.603 ug/L

RT: 9.05 min Scan# 2477

Delta R.T. -0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampled :

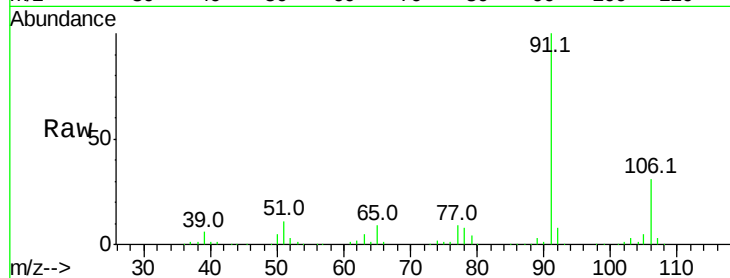
VSTD02591

Tgt Ion: 91 Resp: 226733

Ion Ratio Lower Upper

91 100

106 31.0 21.8 40.6



Abundance Ion 91.00 (90.70 to 91.70): VV010764.D (-2465) (-)

Ion 106.00 (105.70 to 106.70): VV010764.D (-2465) (-)

9.05

150000

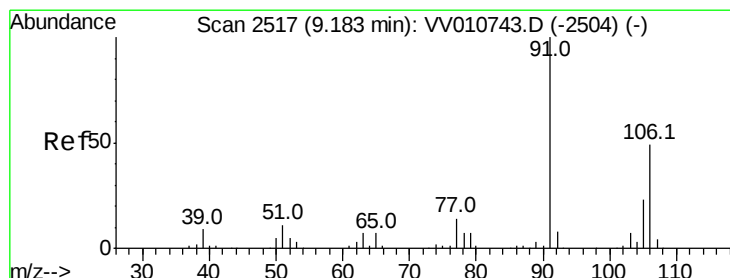
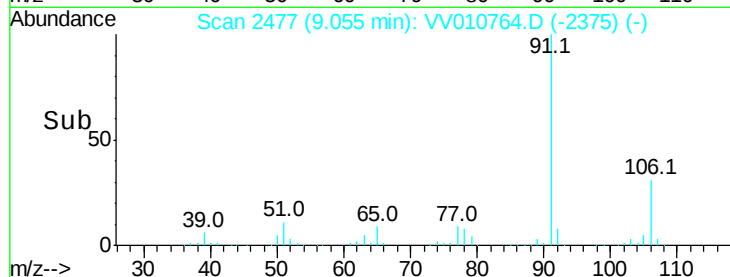
100000

50000

0

9.00 9.05 9.10 9.15

Time-->



#54

m,p-Xylene

Concen: 24.264 ug/L

RT: 9.18 min Scan# 2516

Delta R.T. -0.00 min

Lab File: VV010764.D

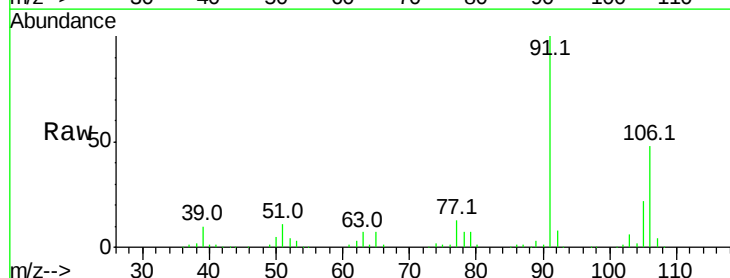
Acq: 09 May 2019 12:08

Tgt Ion: 106 Resp: 83542

Ion Ratio Lower Upper

106 100

91 209.9 145.4 270.0



Abundance Ion 106.00 (105.70 to 106.70): VV010764.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV010764.D (-2504) (-)

9.18

120000

100000

80000

60000

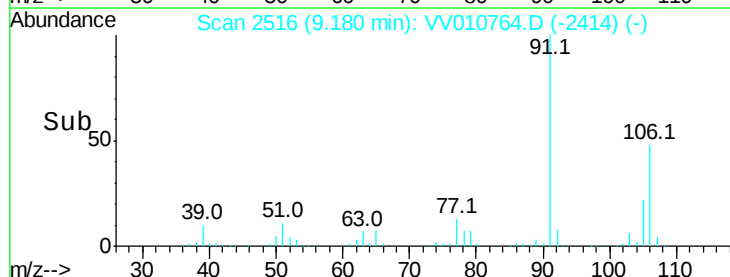
40000

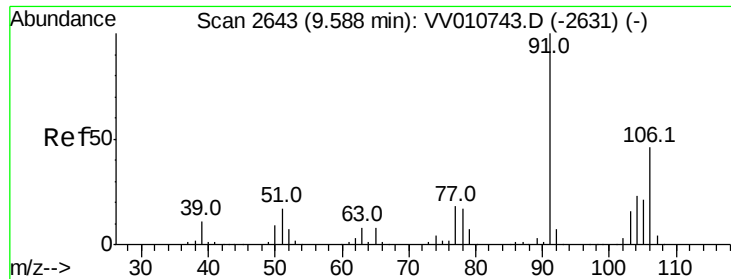
20000

0

9.10 9.15 9.20 9.25

Time-->

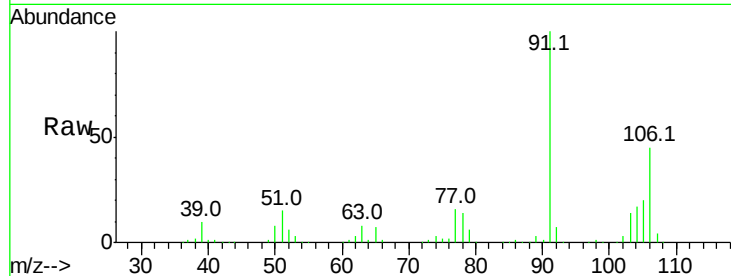




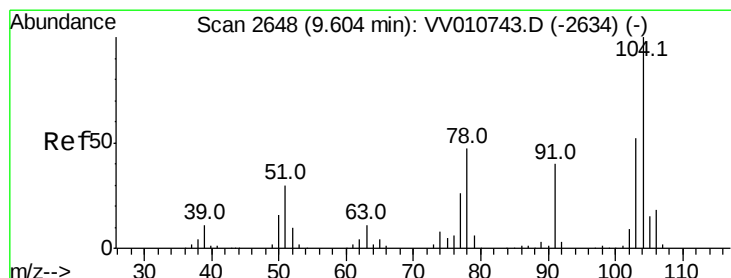
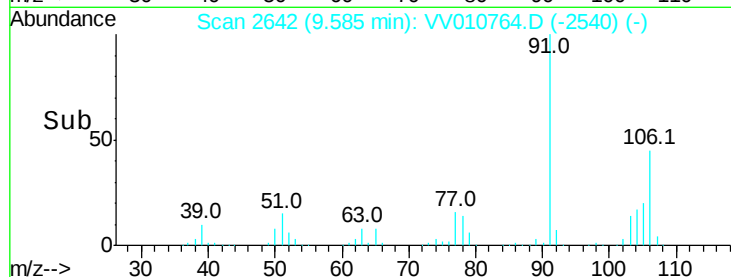
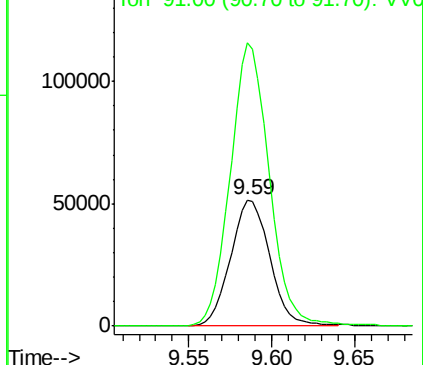
#55
o-xylene
Concen: 24.959 ug/L
RT: 9.59 min Scan# 2642
Delta R.T. -0.00 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Instrument :
MSVOA_V
ClientSampleId :
VSTD02591

Tgt Ion:106 Resp: 85237
Ion Ratio Lower Upper
106 100
91 224.7 151.0 280.4

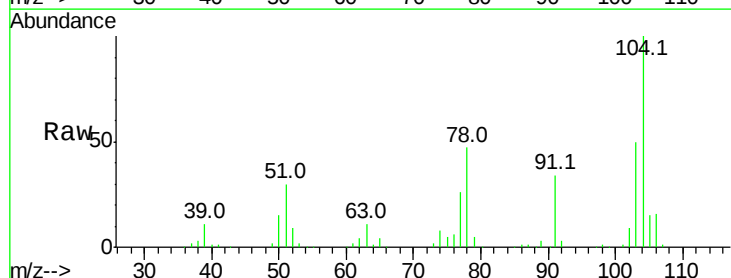


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

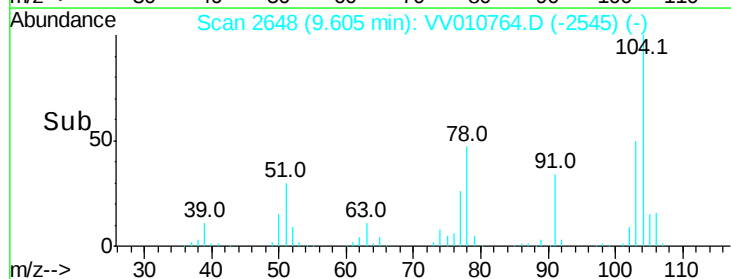
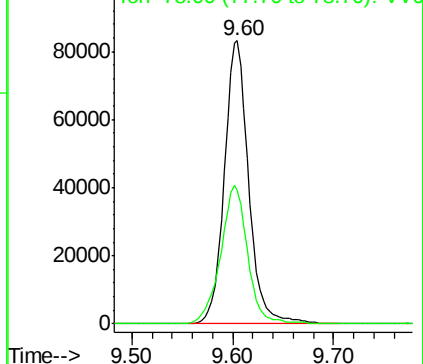


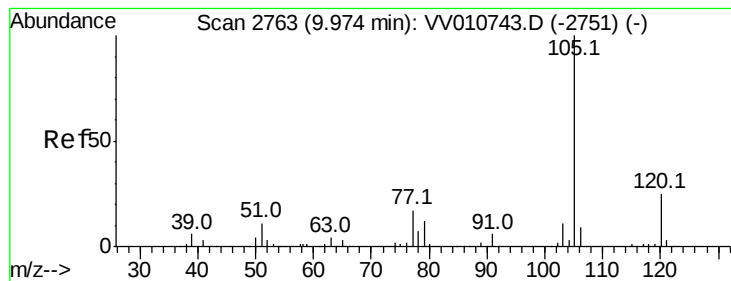
#56
Styrene
Concen: 24.274 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV010764.D
Acq: 09 May 2019 12:08

Tgt Ion:104 Resp: 140215
Ion Ratio Lower Upper
104 100
78 47.4 32.2 59.8



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





#57

Isopropylbenzene

Concen: 25.045 ug/L

RT: 9.97 min Scan# 2763

Delta R.T. 0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

Instrument :

MSVOA_V

ClientSampleId :

VSTD02591

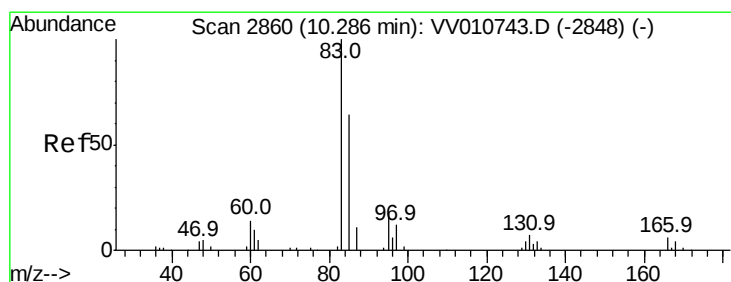
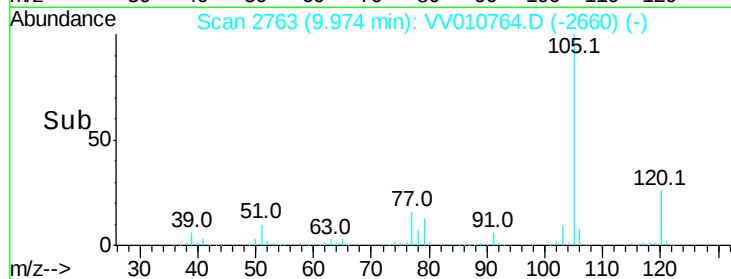
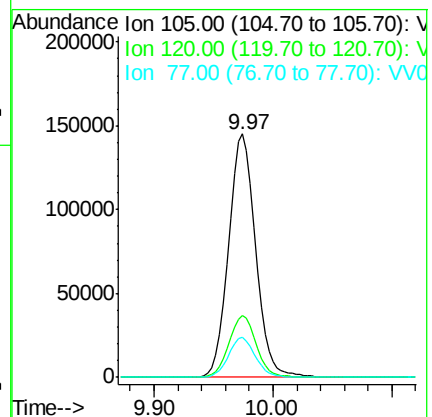
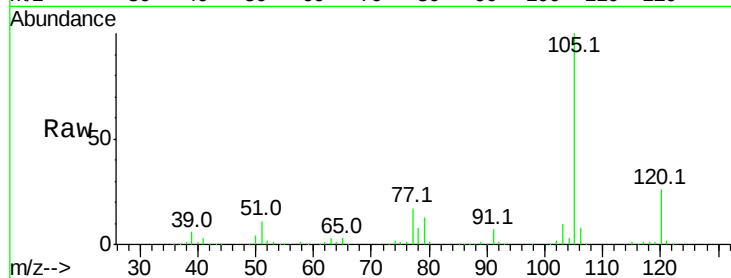
Tgt Ion:105 Resp: 228204

Ion Ratio Lower Upper

105 100

120 25.8 20.9 31.3

77 16.5 12.8 19.2



#58

1,1,2,2-Tetrachloroethane

Concen: 22.360 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV010764.D

Acq: 09 May 2019 12:08

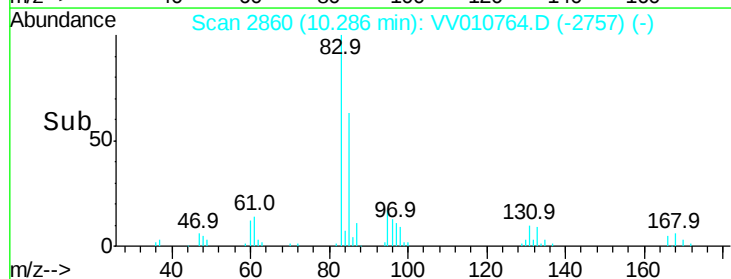
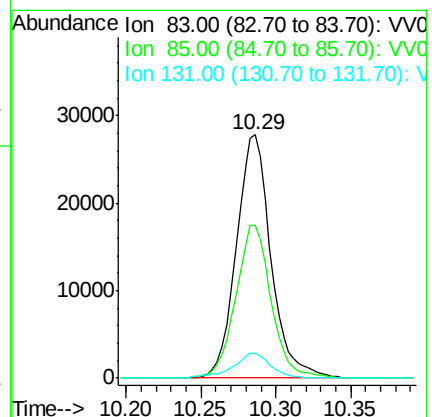
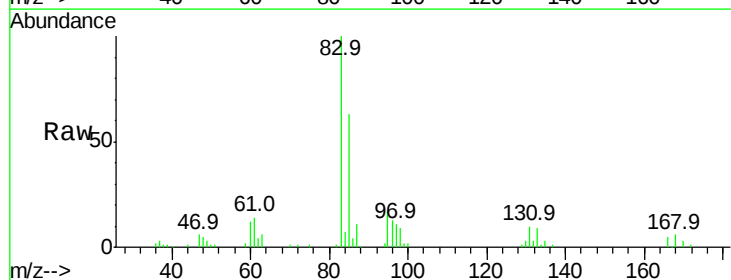
Tgt Ion: 83 Resp: 44802

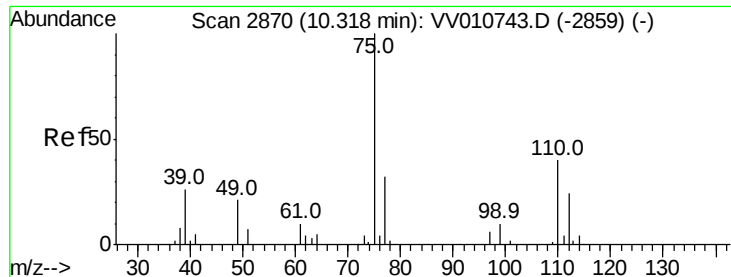
Ion Ratio Lower Upper

83 100

85 62.8 44.6 82.8

131 10.3 7.9 11.9

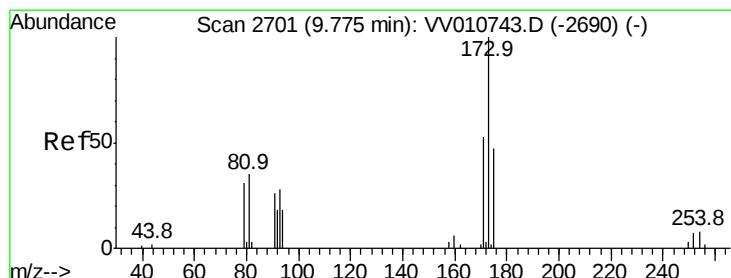
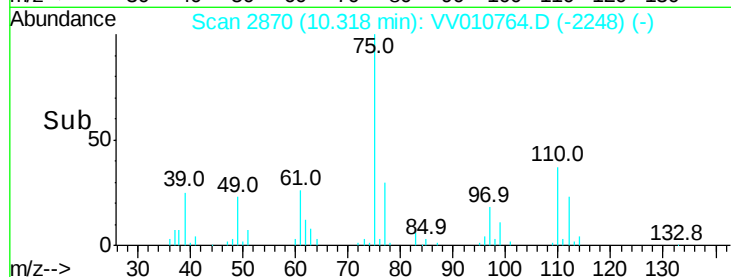
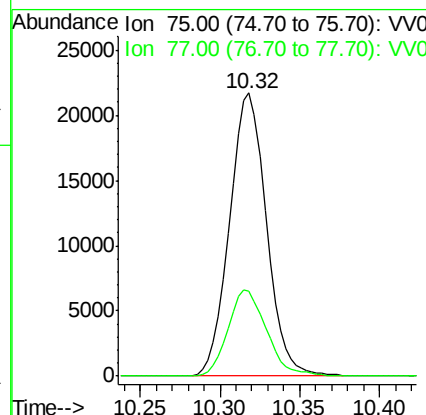
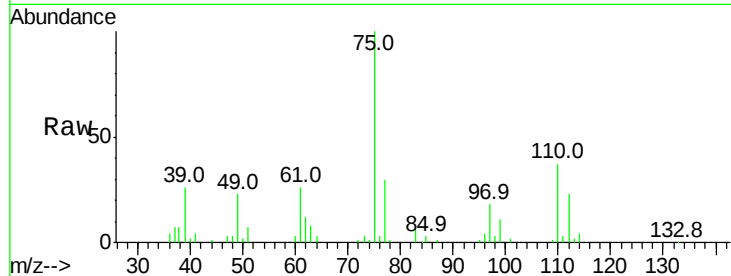




#59
 1,2,3-Trichloropropane
 Concen: 21.888 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. 0.00 min
 Lab File: VV010764.D
 Acq: 09 May 2019 12:08

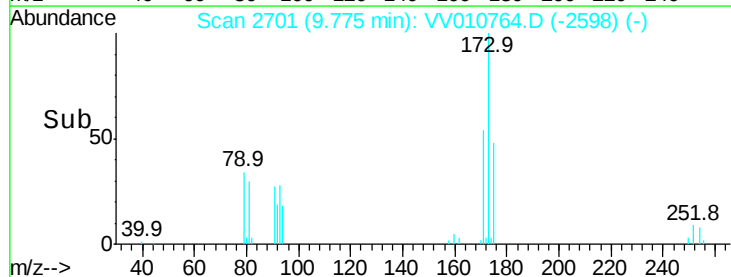
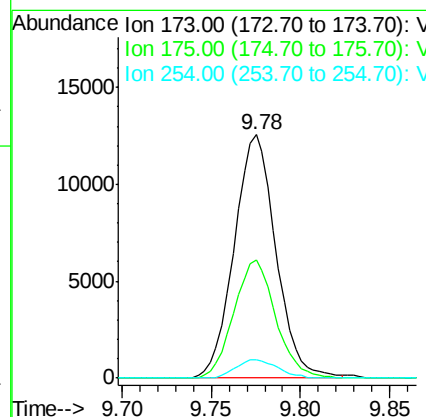
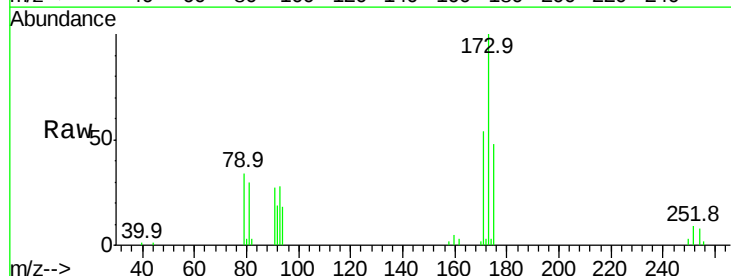
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02591

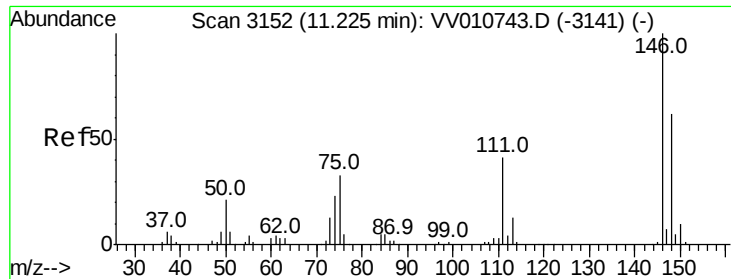
Tgt Ion: 75 Resp: 34228
 Ion Ratio Lower Upper
 75 100
 77 31.7 25.0 37.6



#62
 Bromoform
 Concen: 21.020 ug/L
 RT: 9.78 min Scan# 2701
 Delta R.T. 0.00 min
 Lab File: VV010764.D
 Acq: 09 May 2019 12:08

Tgt Ion: 173 Resp: 20519
 Ion Ratio Lower Upper
 173 100
 175 48.4 38.6 58.0
 254 7.5 6.5 9.7

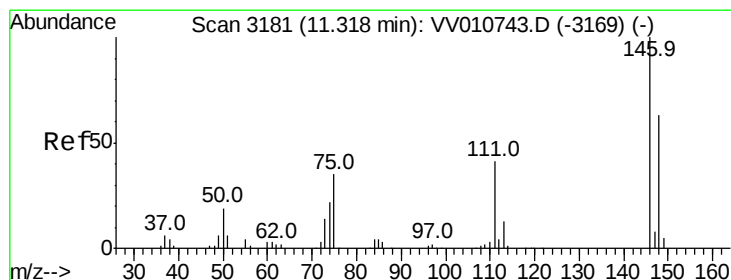
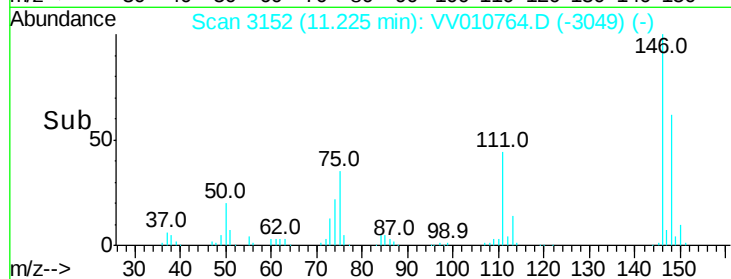
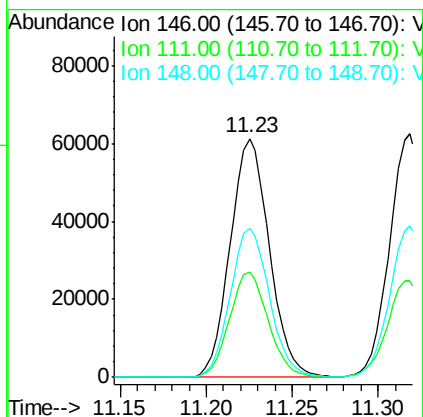
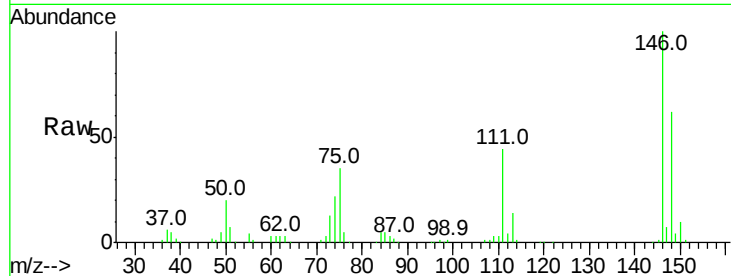




#63
 1,3-Dichlorobenzene
 Concen: 24.366 ug/L
 RT: 11.23 min Scan# 3152
 Delta R.T. 0.00 min
 Lab File: VV010764.D
 Acq: 09 May 2019 12:08

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02591

Tgt Ion:146 Resp: 97232
 Ion Ratio Lower Upper
 146 100
 111 44.3 30.6 56.8
 148 62.2 44.9 83.5



#64
 1,4-Dichlorobenzene
 Concen: 23.910 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. 0.00 min
 Lab File: VV010764.D
 Acq: 09 May 2019 12:08

Tgt Ion:146 Resp: 97458
 Ion Ratio Lower Upper
 146 100
 111 39.4 27.4 50.8
 148 62.0 45.1 83.9

