

Data File : VV009362.D
Acq On : 26 Feb 2019 11:00
Operator : SY/MD
Sample : VSTD02583
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Quant Time: Feb 26 11:56:34 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 10:19:49 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	170140	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	164605	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	82923	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	55034	24.31	ug/L	0.00
7) Chloroethane-d5	1.57	69	63511	23.72	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	147518	26.51	ug/L	0.00
20) 2-Butanone-d5	3.94	46	34026	42.95	ug/L	0.00
24) Chloroform-d	4.40	84	110047	27.85	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	63337	29.56	ug/L	0.00
29) Benzene-d6	5.10	84	225849	27.36	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	66325	27.30	ug/L	0.00
37) Toluene-d8	7.36	98	222260	28.29	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	32785	26.28	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	29609	43.81	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	70436	26.52	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	80051	26.28	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	53894	27.139	ug/L	98
3) Chloromethane	1.25	50	57554	23.722	ug/L	98
5) Vinyl chloride	1.32	62	61914	22.503	ug/L	98
6) Bromomethane	1.53	94	70013	27.345	ug/L	98
8) Chloroethane	1.59	64	43939	18.920	ug/L	97
9) Trichlorofluoromethane	1.77	101	129824	25.064	ug/L	99
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	70862	23.922	ug/L	97
12) 1,1-Dichloroethene	2.14	96	59345	23.773	ug/L	81
13) Acetone	2.20	43	40868	52.775	ug/L	97
14) Carbon disulfide	2.32	76	162594	24.341	ug/L	98
15) Methyl Acetate	2.46	43	24471	21.672	ug/L	100
16) Methylene chloride	2.54	84	51974	20.194	ug/L	94
17) Methyl tert-butyl Ether	2.81	73	135000	24.415	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	53313	23.707	ug/L	94
19) 1,1-Dichloroethane	3.23	63	93848	25.125	ug/L	99
21) 2-Butanone	4.03	43	51856	58.452	ug/L	94
22) cis-1,2-Dichloroethene	3.96	96	59354	24.161	ug/L	98
23) Bromochloromethane	4.30	128	26658	23.712	ug/L	91
25) Chloroform	4.43	83	101796	25.611	ug/L	96
27) 1,2-Dichloroethane	5.18	62	70495	26.192	ug/L #	94
30) Cyclohexane	4.73	56	95522	25.034	ug/L	95
31) 1,1,1-Trichloroethane	4.66	97	91607	24.643	ug/L	98
32) Carbon tetrachloride	4.88	117	76470	24.343	ug/L	100
34) Benzene	5.15	78	220465	24.495	ug/L	100
35) Trichloroethene	5.96	95	60632	24.219	ug/L	96
36) Methylcyclohexane	6.18	83	103586	23.656	ug/L	95
40) 1,2-Dichloropropane	6.22	63	53699	24.582	ug/L #	97
41) Bromodichloromethane	6.56	83	76850	24.702	ug/L	97
42) cis-1,3-Dichloropropene	7.07	75	86987	23.464	ug/L	99
43) 4-Methyl-2-pentanone	7.28	43	77761	42.406	ug/L	95

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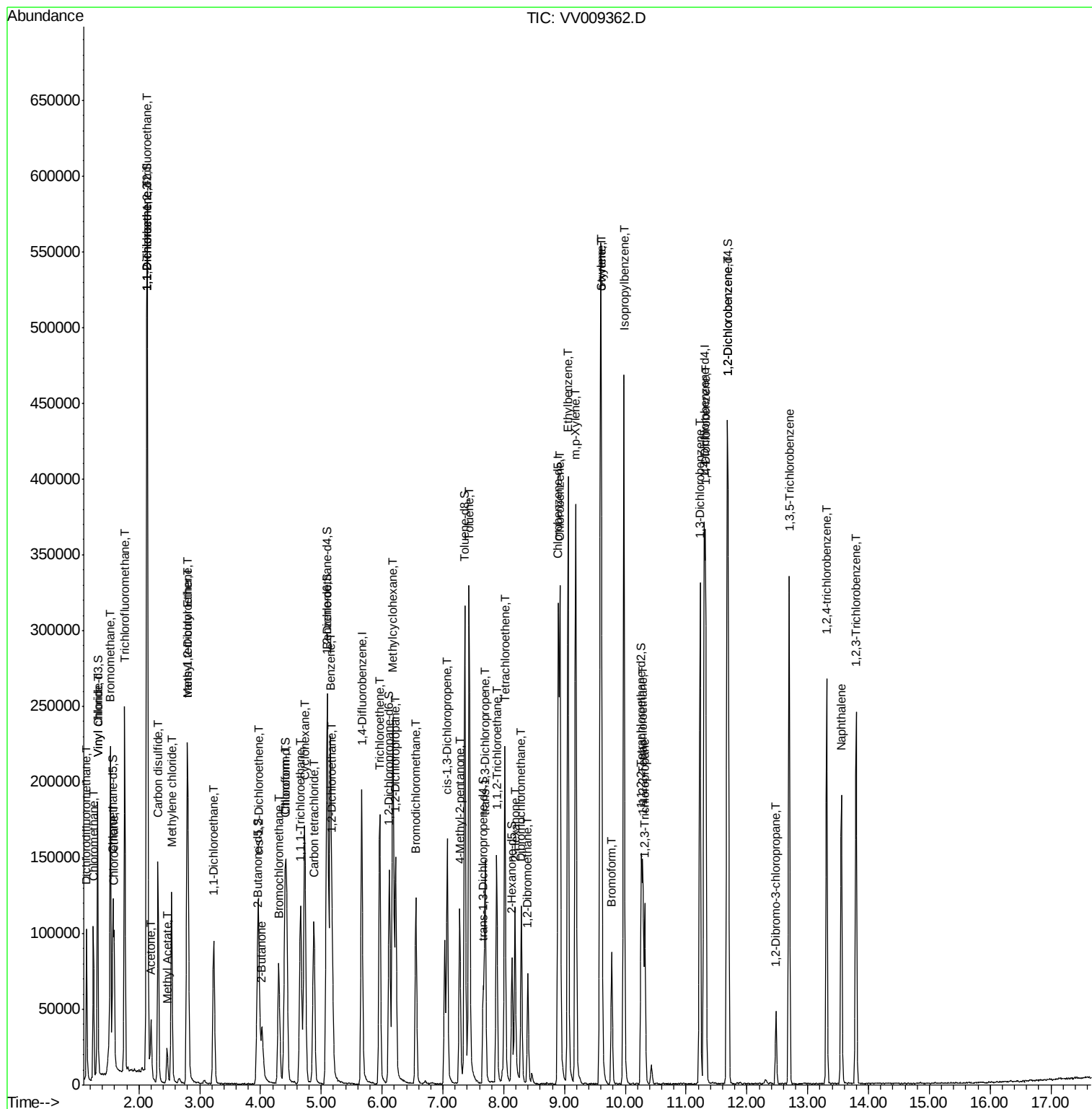
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	245765	24.620	ug/L	98
45) trans-1,3-Dichloropropene	7.69	75	79531	24.499	ug/L	100
46) 1,1,2-Trichloroethane	7.88	97	44602	22.929	ug/L	95
47) Tetrachloroethene	8.02	164	45310	23.158	ug/L	94
49) 2-Hexanone	8.19	43	71845	50.944	ug/L	98
50) Dibromochloromethane	8.29	129	57864	24.670	ug/L	100
51) 1,2-Dibromoethane	8.40	107	45274	23.205	ug/L	98
52) Chlorobenzene	8.93	112	165369	25.442	ug/L	99
53) Ethylbenzene	9.06	91	289065	25.633	ug/L	98
54) m,p-Xylene	9.18	106	114909	26.114	ug/L	97
55) o-xylene	9.59	106	113819	27.557	ug/L	98
56) Styrene	9.60	104	187176	26.408	ug/L	98
57) Isopropylbenzene	9.98	105	303193	26.517	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	64508	23.500	ug/L	99
59) 1,2,3-Trichloropropane	10.32	75	46619	23.700	ug/L	99
62) Bromoform	9.78	173	36005	23.485	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	126220	23.695	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	123906	23.336	ug/L	97
65) 1,2-Dichlorobenzene	11.69	146	119992	24.024	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	11613	20.936	ug/L	92
67) 1,3,5-Trichlorobenzene	12.69	180	90021	23.355	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	70176	22.314	ug/L	99
69) Naphthalene	13.55	128	144703	21.466	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	64784	22.320	ug/L	99

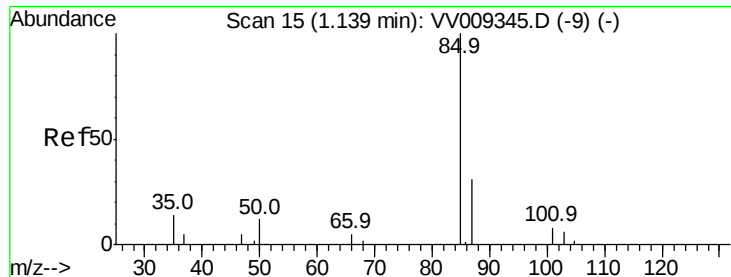
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 27.139 ug/L

RT: 1.14 min Scan# 15

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

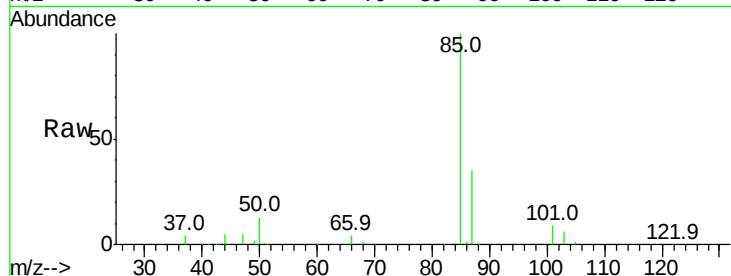
VSTD02583

Tgt Ion: 85 Resp: 53894

Ion Ratio Lower Upper

85 100

87 33.4 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV009345.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009345.D (-9) (-)

1.14

60000

50000

40000

30000

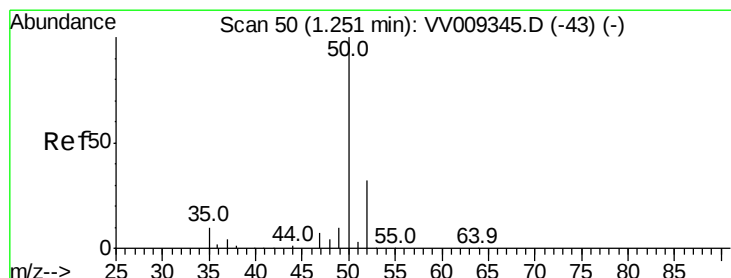
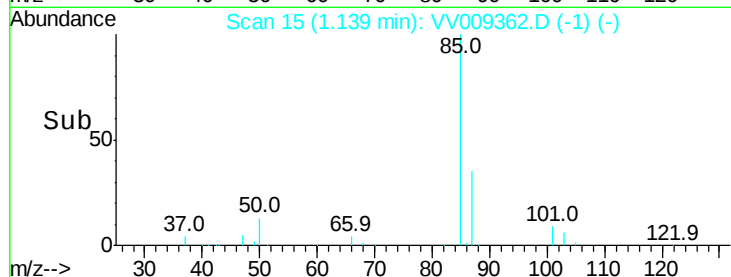
20000

10000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 23.722 ug/L

RT: 1.25 min Scan# 50

Delta R.T. -0.00 min

Lab File: VV009362.D

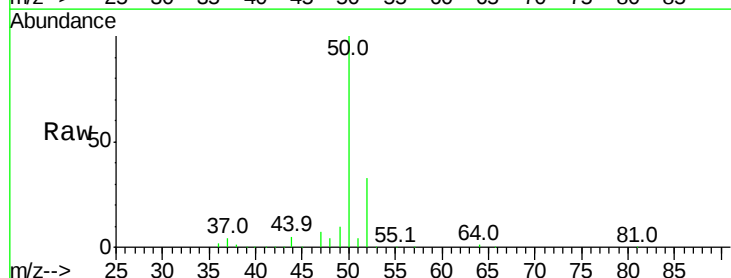
Acq: 26 Feb 2019 11:00

Tgt Ion: 50 Resp: 57554

Ion Ratio Lower Upper

50 100

52 33.0 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009345.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009345.D (-43) (-)

1.25

60000

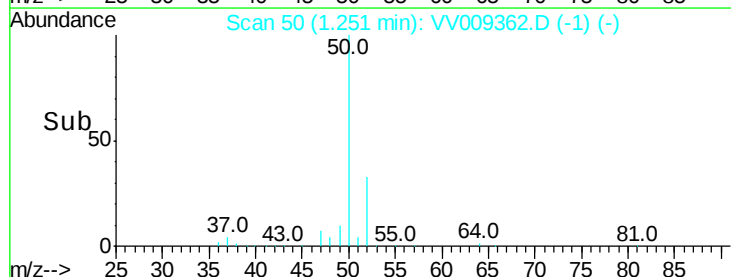
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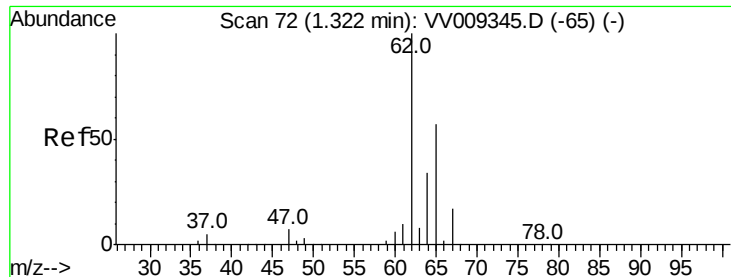
20000

0

1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 22.503 ug/L

RT: 1.32 min Scan# 72

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

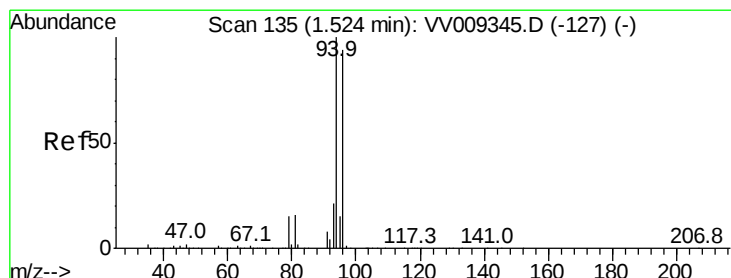
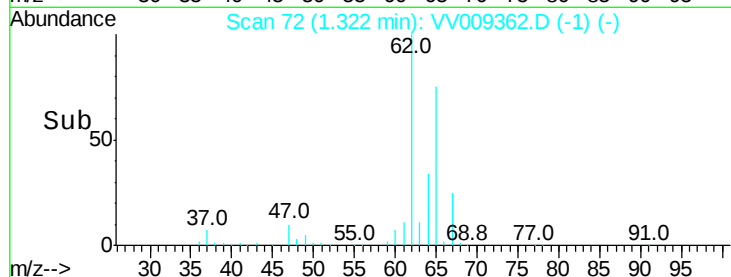
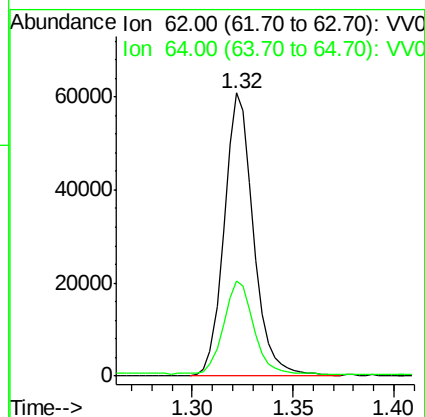
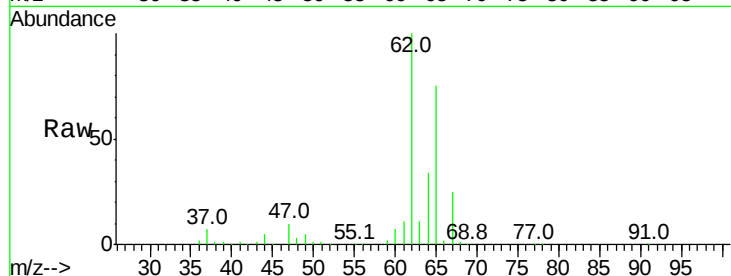
VSTD02583

Tgt Ion: 62 Resp: 61914

Ion Ratio Lower Upper

62 100

64 33.6 24.3 45.1



#6

Bromomethane

Concen: 27.345 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.01 min

Lab File: VV009362.D

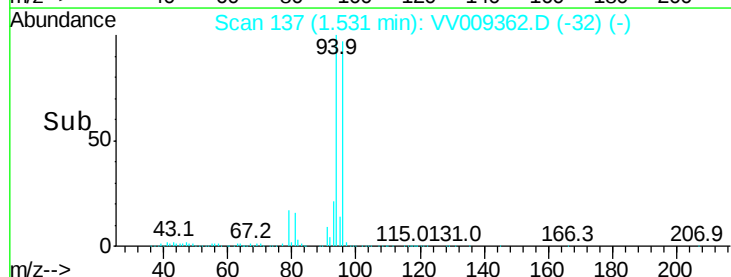
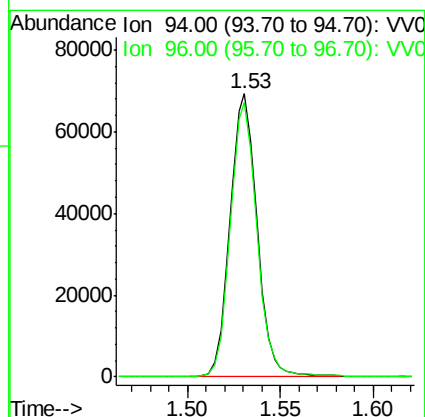
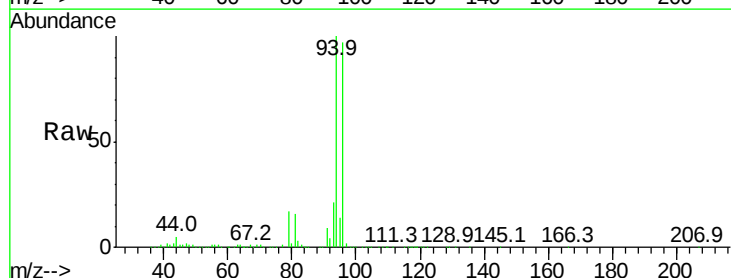
Acq: 26 Feb 2019 11:00

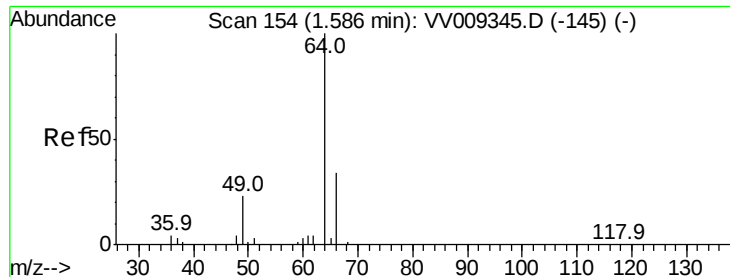
Tgt Ion: 94 Resp: 70013

Ion Ratio Lower Upper

94 100

96 95.5 9.4 178.6





#8

Chloroethane

Concen: 18.920 ug/L

RT: 1.59 min Scan# 156

Delta R.T. 0.01 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

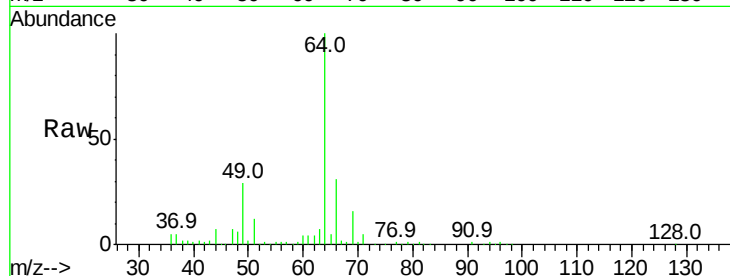
VSTD02583

Tgt Ion: 64 Resp: 43939

Ion Ratio Lower Upper

64 100

66 31.2 22.9 42.5



Abundance Ion 64.00 (63.70 to 64.70): VV009345.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV009345.D (-145) (-)

1.59

40000

30000

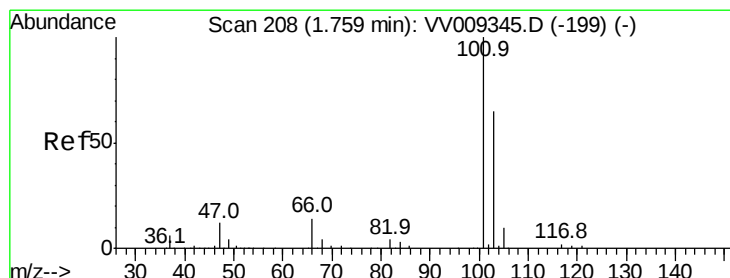
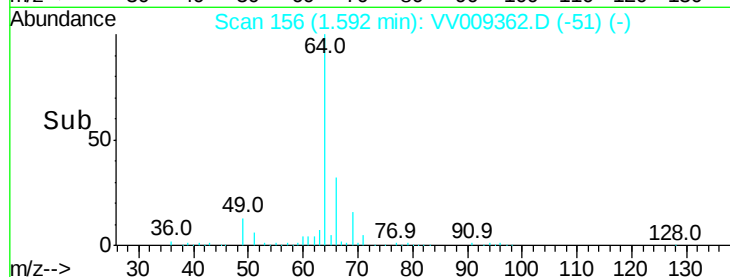
20000

10000

0

Time-->

1.55 1.60 1.65



#9

Trichlorofluoromethane

Concen: 25.064 ug/L

RT: 1.77 min Scan# 210

Delta R.T. 0.01 min

Lab File: VV009362.D

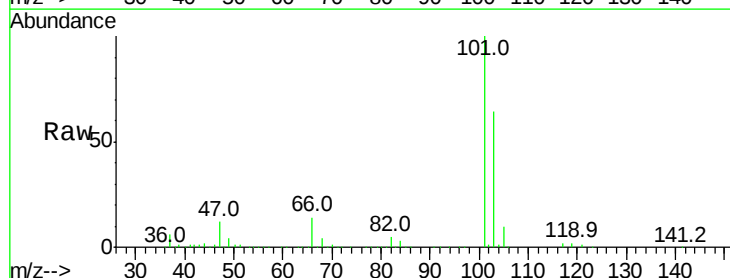
Acq: 26 Feb 2019 11:00

Tgt Ion: 101 Resp: 129824

Ion Ratio Lower Upper

101 100

103 63.9 45.4 84.4



Abundance Ion 101.00 (100.70 to 101.70): VV009362.D (-53) (-)

Ion 103.00 (102.70 to 103.70): VV009362.D (-53) (-)

1.77

120000

100000

80000

60000

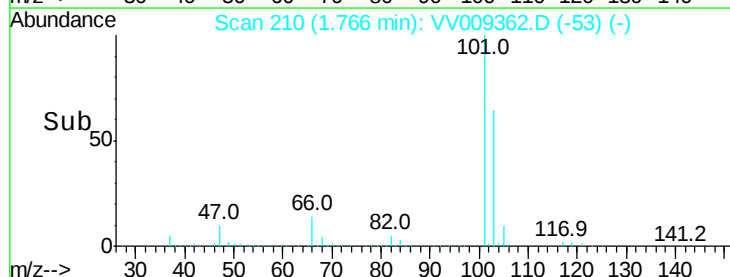
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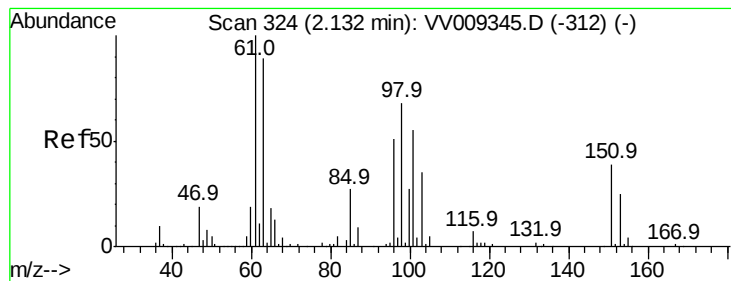
20000

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Time-->

1.70 1.75 1.80





#11

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

Concen: 23.922 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.01 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

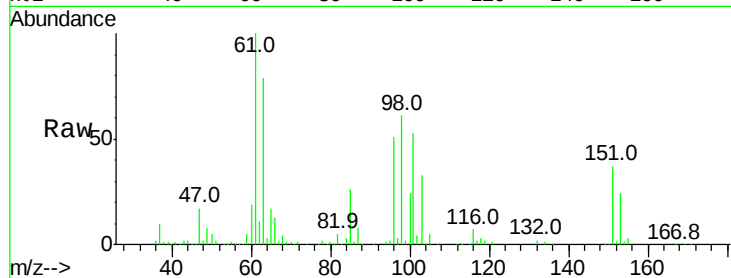
Tgt Ion: 101 Resp: 70862

Ion Ratio Lower Upper

101 100

85 50.1 39.1 58.7

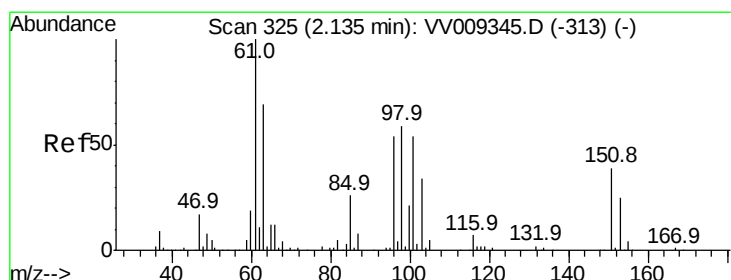
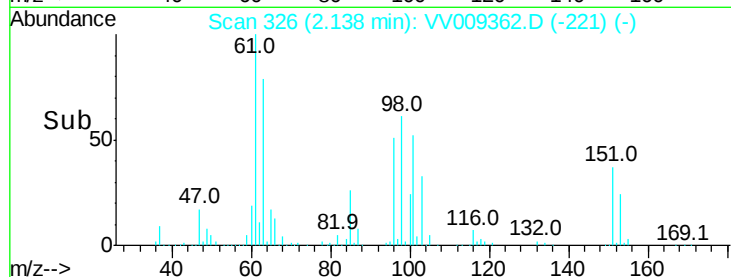
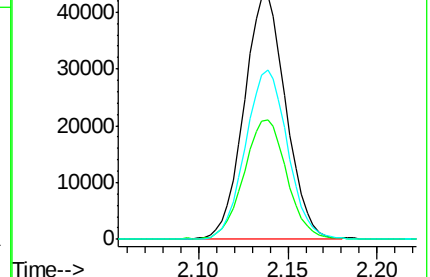
151 69.9 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VV009362.D (-221) (-)

Ion 85.00 (84.70 to 85.70): VV009362.D (-221) (-)

Ion 151.00 (150.70 to 151.70): VV009362.D (-221) (-)



#12

1,1-Dichloroethene

Concen: 23.773 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

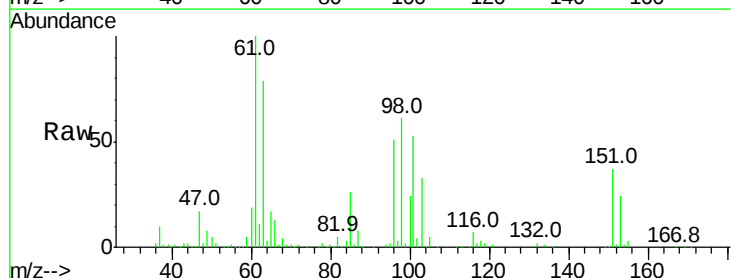
Tgt Ion: 96 Resp: 59345

Ion Ratio Lower Upper

96 100

61 195.6 123.3 228.9

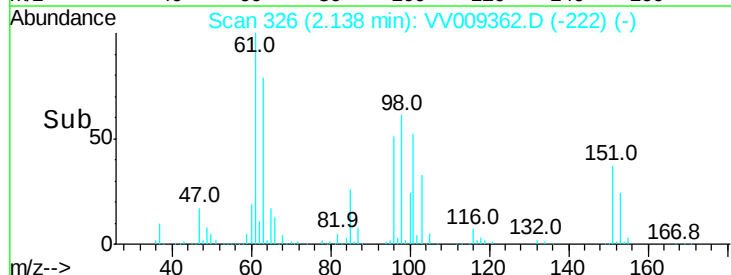
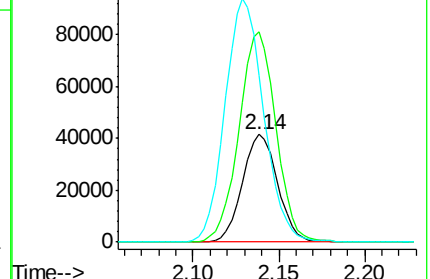
63 155.3 88.4 164.2

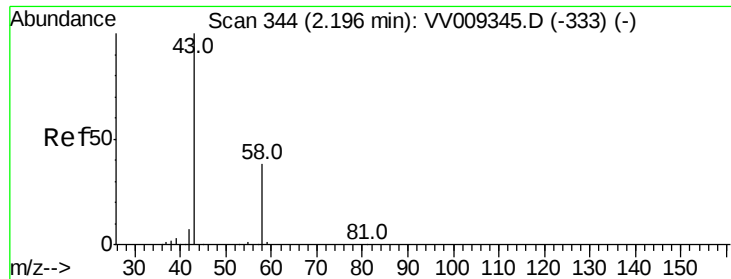


Abundance Ion 96.00 (95.70 to 96.70): VV009362.D (-222) (-)

Ion 61.00 (60.70 to 61.70): VV009362.D (-222) (-)

Ion 63.00 (62.70 to 63.70): VV009362.D (-222) (-)





#13

Acetone

Concen: 52.775 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

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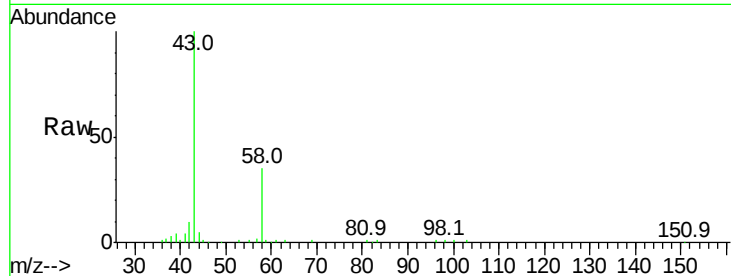
VSTD02583

Tgt Ion: 43 Resp: 40868

Ion Ratio Lower Upper

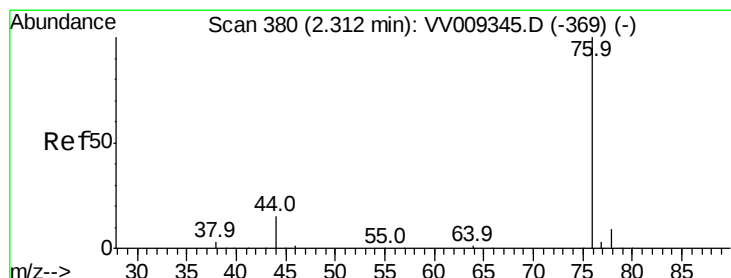
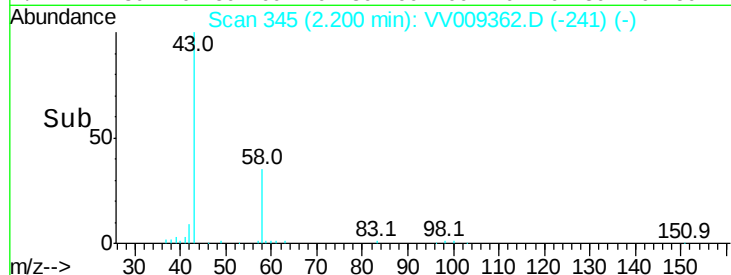
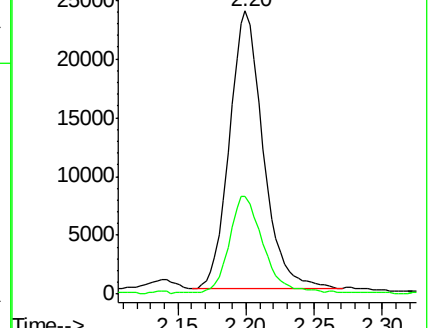
43 100

58 34.4 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009345.D (-333) (-)

Ion 58.00 (57.70 to 58.70): VV009345.D (-333) (-)



#14

Carbon disulfide

Concen: 24.341 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.01 min

Lab File: VV009362.D

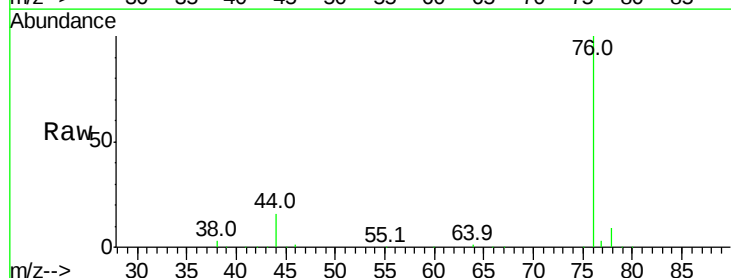
Acq: 26 Feb 2019 11:00

Tgt Ion: 76 Resp: 162594

Ion Ratio Lower Upper

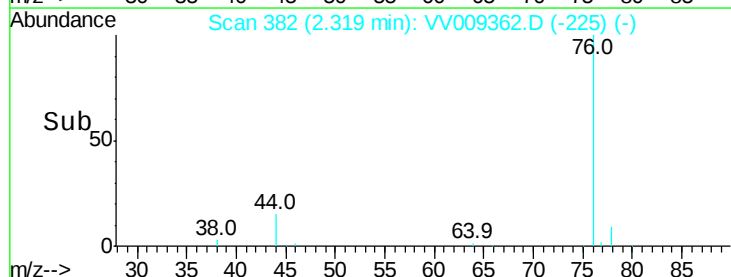
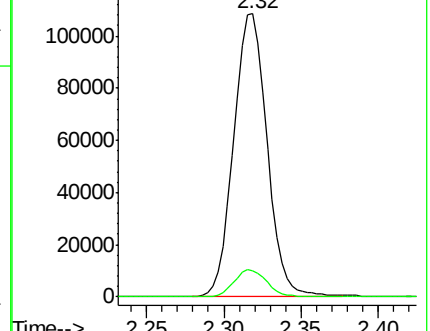
76 100

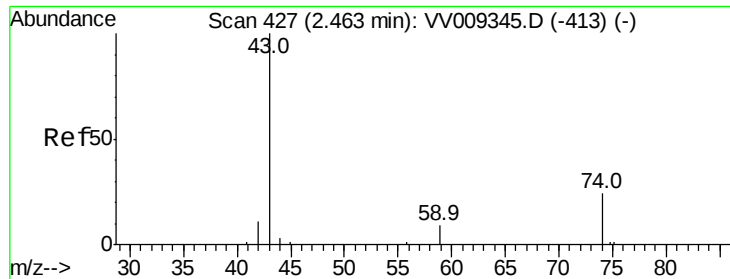
78 9.4 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VV009345.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV009345.D (-369) (-)

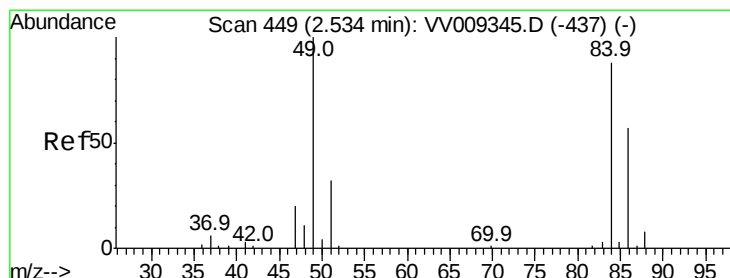
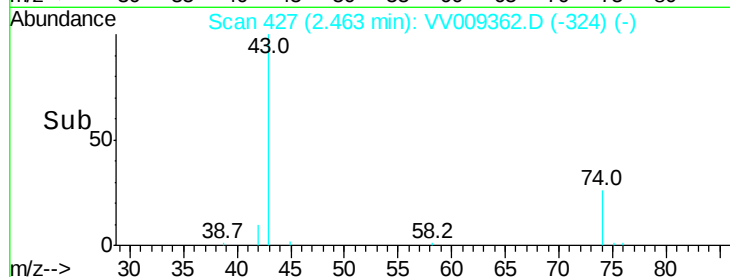
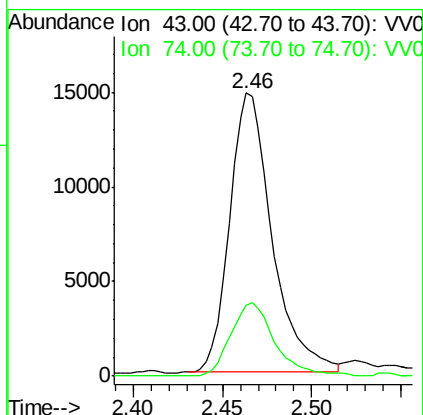
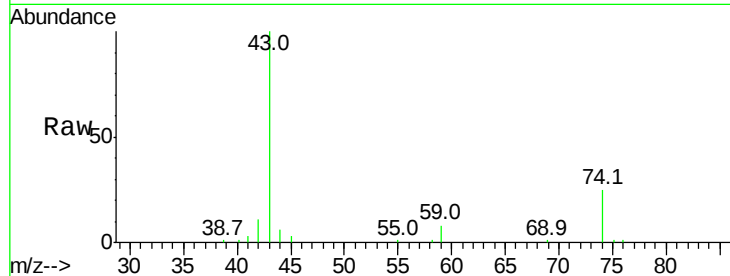




#15
Methyl Acetate
Concen: 21.672 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

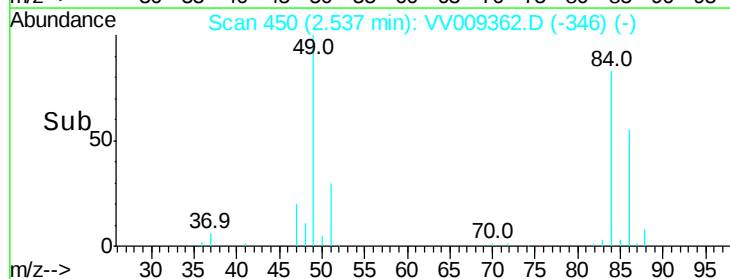
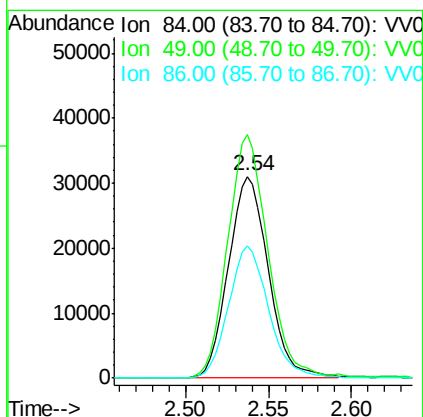
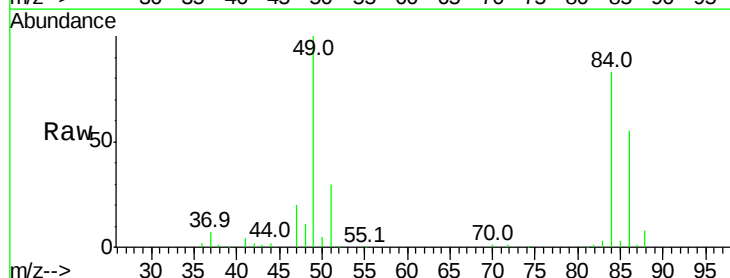
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

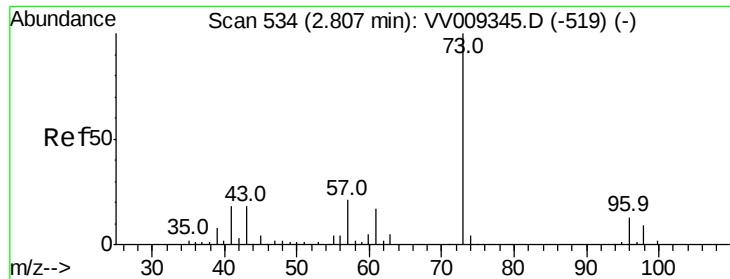
Tgt Ion: 43 Resp: 24471
Ion Ratio Lower Upper
43 100
74 27.3 21.8 32.6



#16
Methylene chloride
Concen: 20.194 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Tgt Ion: 84 Resp: 51974
Ion Ratio Lower Upper
84 100
49 120.8 78.7 146.1
86 65.9 44.0 81.6

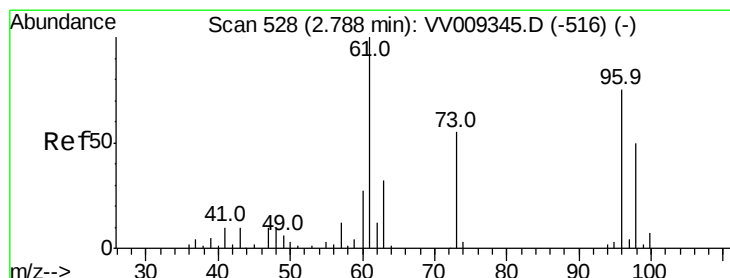
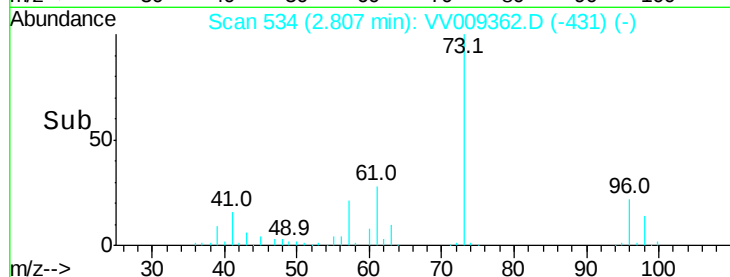
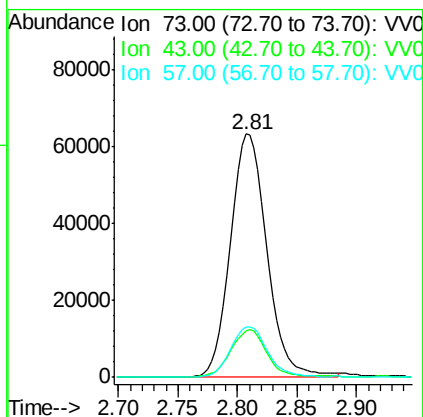
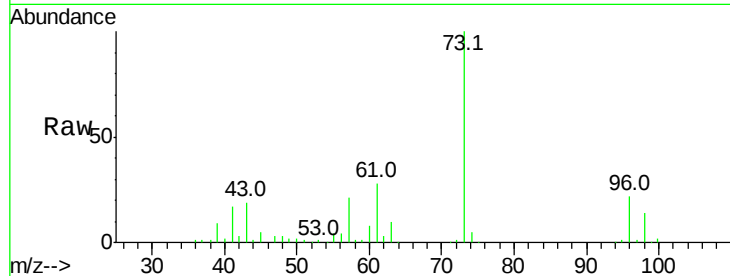




#17
Methyl tert-butyl Ether
Concen: 24.415 ug/L
RT: 2.81 min Scan# 534
Delta R.T. -0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

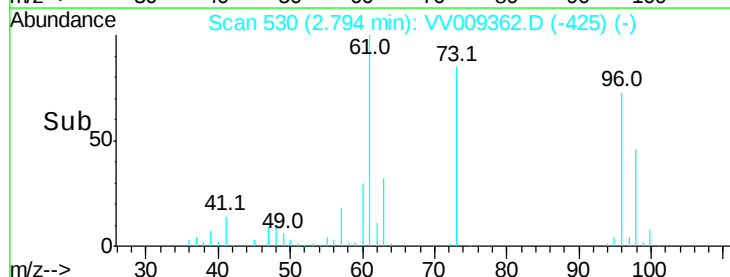
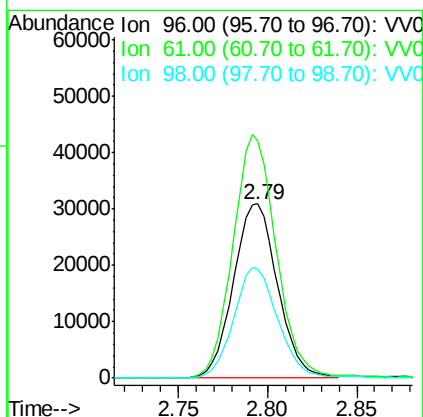
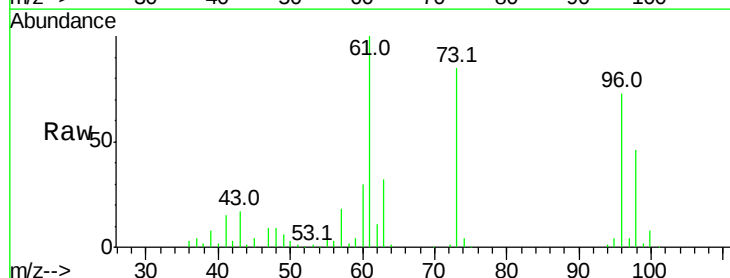
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

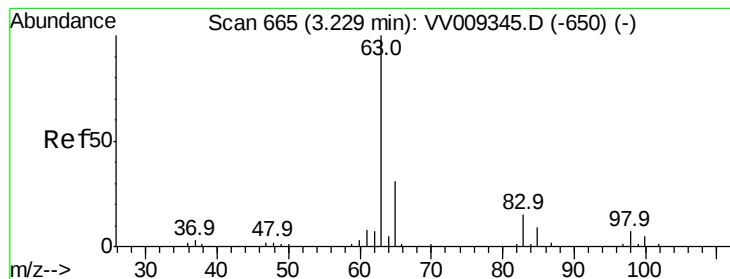
Tgt Ion: 73 Resp: 135000
Ion Ratio Lower Upper
73 100
43 18.7 14.0 21.0
57 21.2 17.0 25.4



#18
trans-1,2-Dichloroethene
Concen: 23.707 ug/L
RT: 2.79 min Scan# 530
Delta R.T. 0.01 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Tgt Ion: 96 Resp: 53313
Ion Ratio Lower Upper
96 100
61 136.6 88.8 165.0
98 62.8 43.0 79.8





#19

1,1-Dichloroethane

Concen: 25.125 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

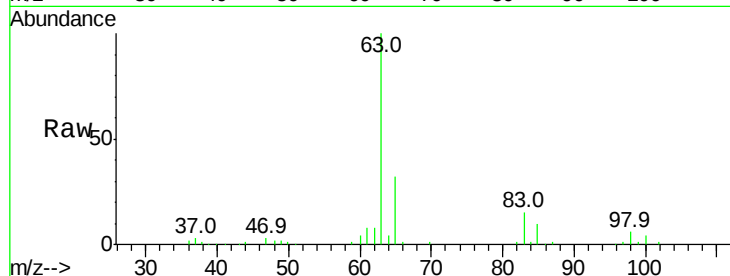
Tgt Ion: 63 Resp: 93848

Ion Ratio Lower Upper

63 100

65 31.6 21.6 40.2

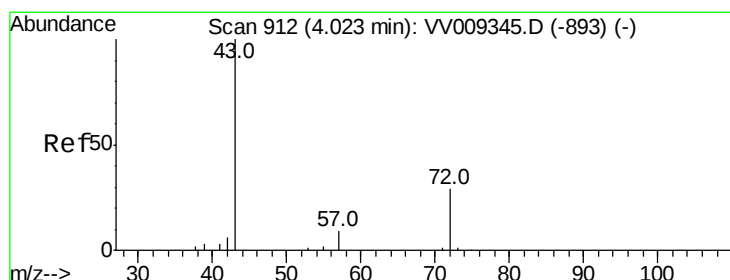
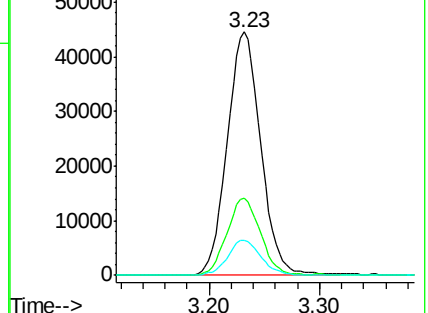
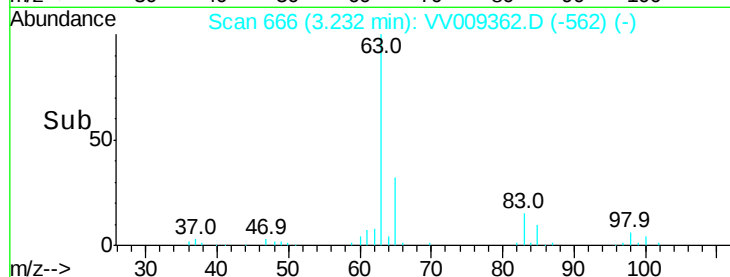
83 14.6 10.1 18.9



Abundance Ion 63.00 (62.70 to 63.70): VV009362.D (-562) (-)

Ion 65.00 (64.70 to 65.70): VV009362.D (-562) (-)

Ion 83.00 (82.70 to 83.70): VV009362.D (-562) (-)



#21

2-Butanone

Concen: 58.452 ug/L

RT: 4.03 min Scan# 913

Delta R.T. 0.00 min

Lab File: VV009362.D

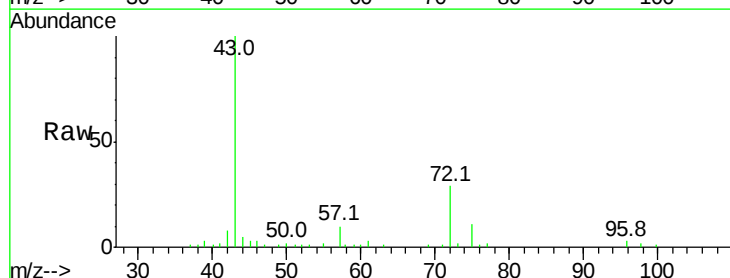
Acq: 26 Feb 2019 11:00

Tgt Ion: 43 Resp: 51856

Ion Ratio Lower Upper

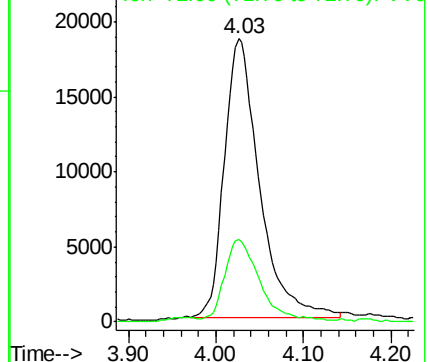
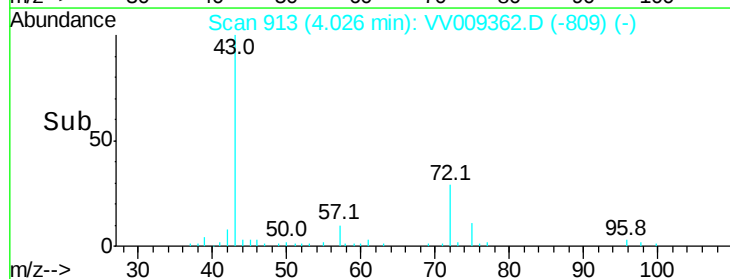
43 100

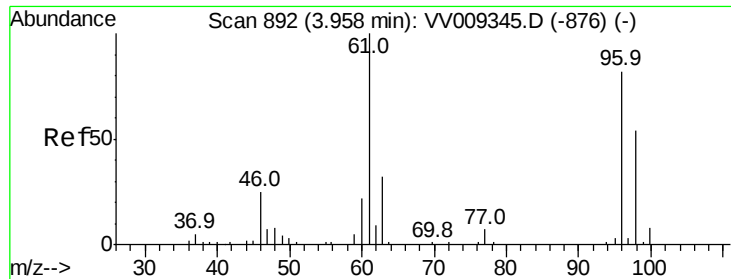
72 27.3 15.4 46.2



Abundance Ion 43.00 (42.70 to 43.70): VV009362.D (-809) (-)

Ion 72.00 (71.70 to 72.70): VV009362.D (-809) (-)



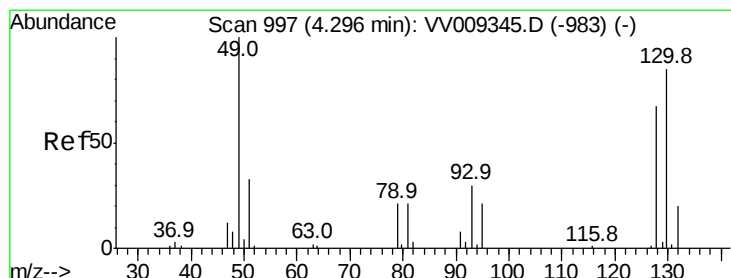
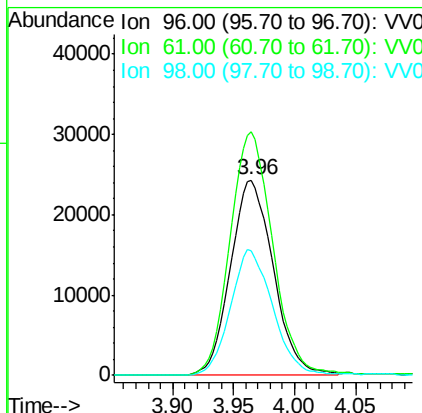
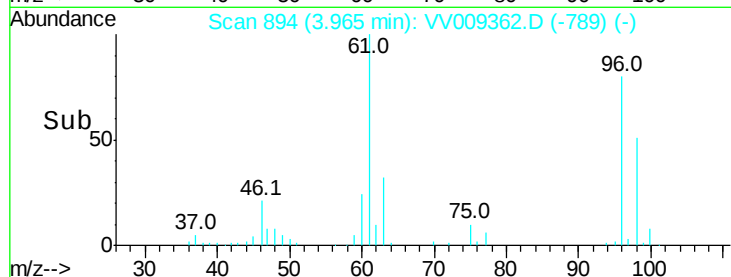
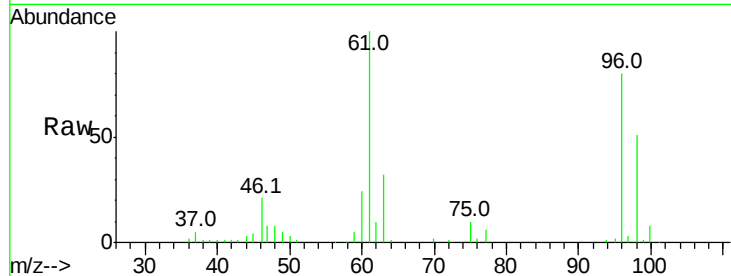


#22

cis-1,2-Dichloroethene
Concen: 24.161 ug/L
RT: 3.96 min Scan# 894
Delta R.T. 0.01 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

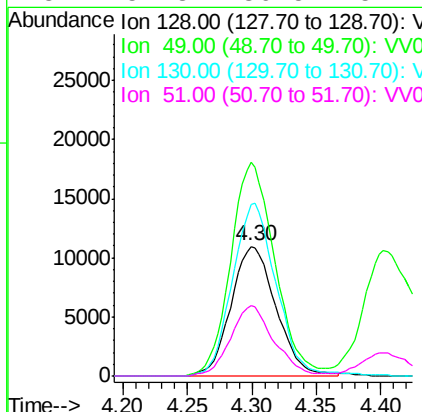
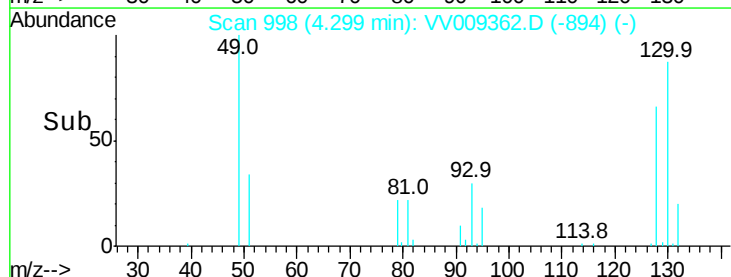
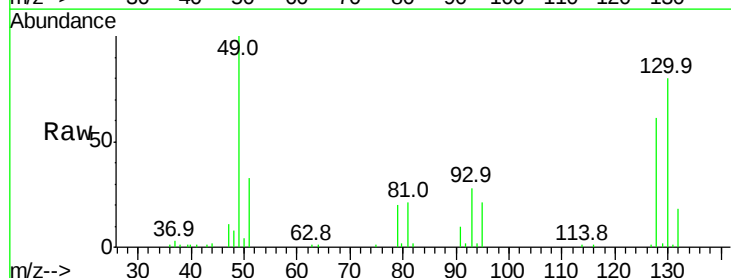
Tgt Ion: 96 Resp: 59354
Ion Ratio Lower Upper
96 100
61 124.5 86.2 160.0
98 63.7 46.8 87.0

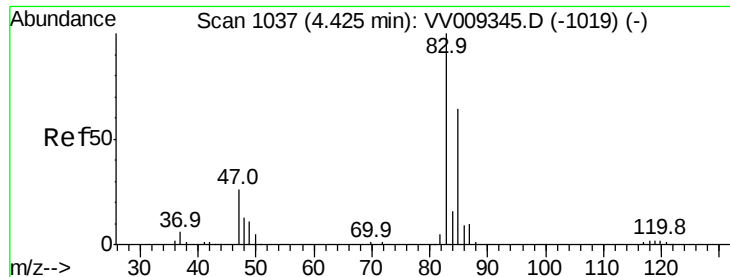


#23

Bromochloromethane
Concen: 23.712 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Tgt Ion: 128 Resp: 26658
Ion Ratio Lower Upper
128 100
49 165.0 103.0 191.4
130 132.3 93.3 173.3
51 54.3 36.5 54.7

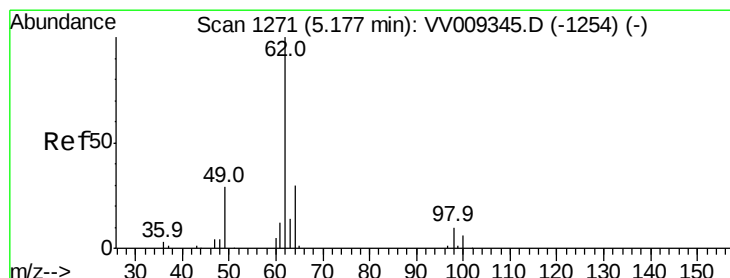
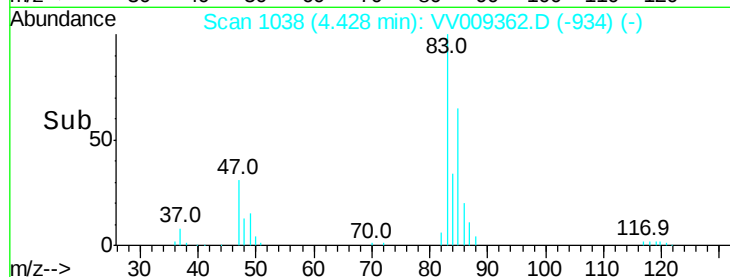
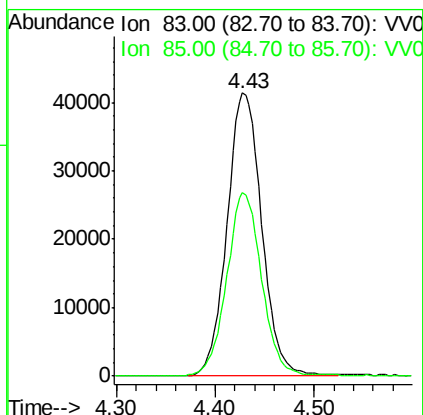
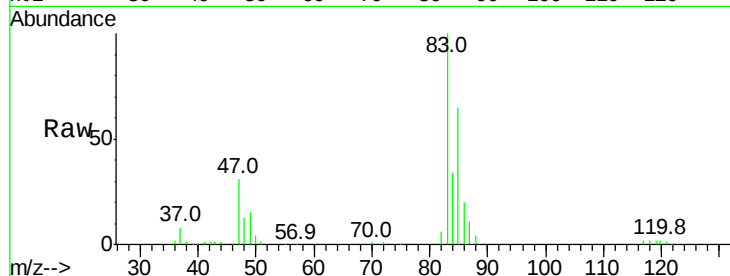




#25
Chloroform
Concen: 25.611 ug/L
RT: 4.43 min Scan# 1038
Delta R.T. 0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

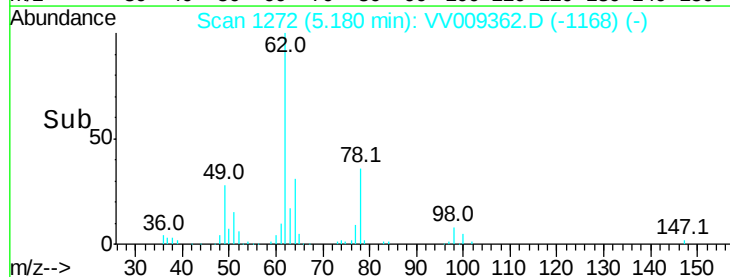
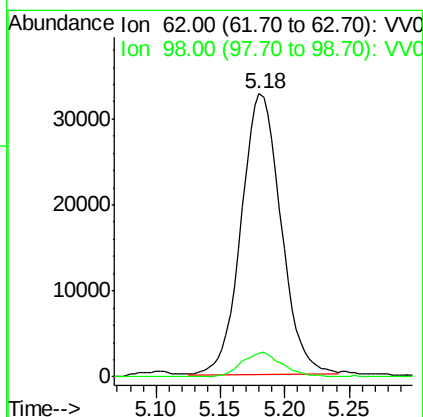
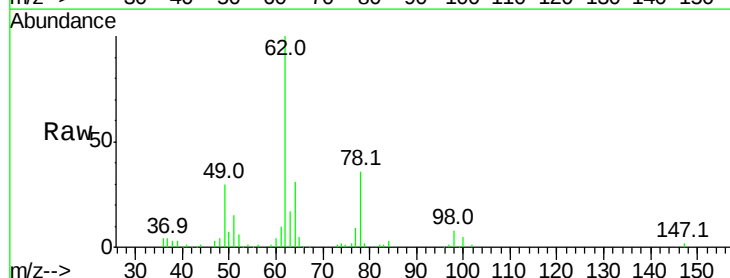
Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

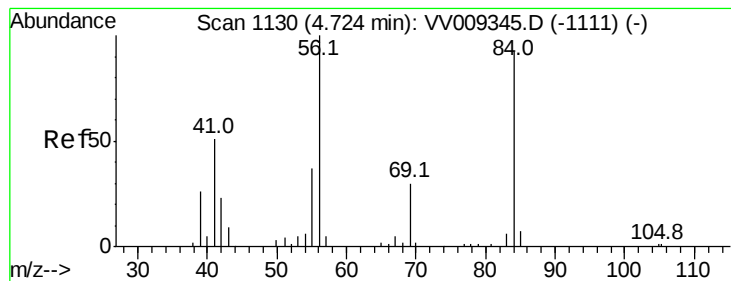
Tgt Ion: 83 Resp: 101796
Ion Ratio Lower Upper
83 100
85 64.8 47.5 88.3



#27
1,2-Dichloroethane
Concen: 26.192 ug/L
RT: 5.18 min Scan# 1272
Delta R.T. 0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Tgt Ion: 62 Resp: 70495
Ion Ratio Lower Upper
62 100
98 8.3 8.5 12.7#





#30

Cyclohexane

Concen: 25.034 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

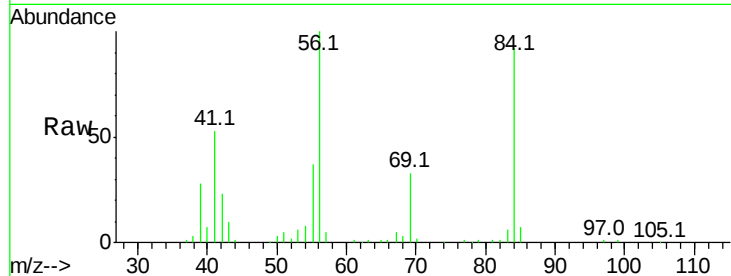
Tgt Ion: 56 Resp: 95522

Ion Ratio Lower Upper

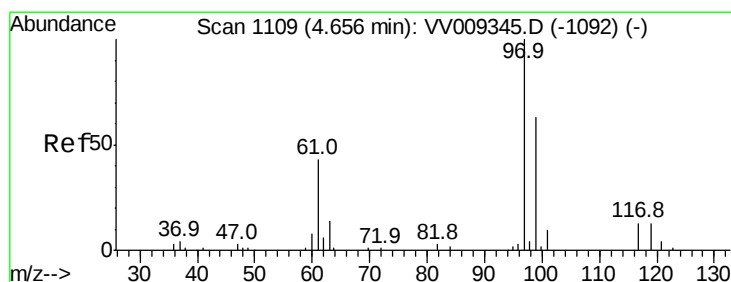
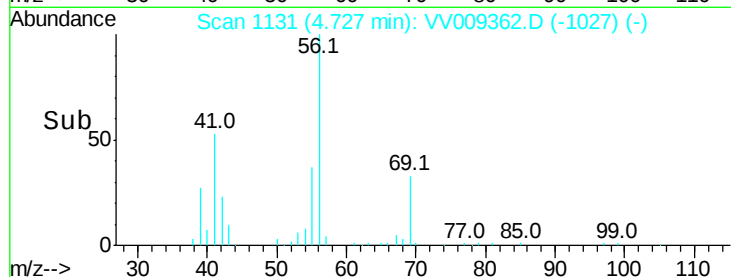
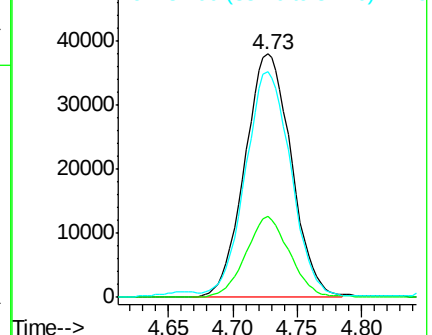
56 100

69 31.1 25.7 38.5

84 89.9 77.2 115.8



Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0



#31

1,1,1-Trichloroethane

Concen: 24.643 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

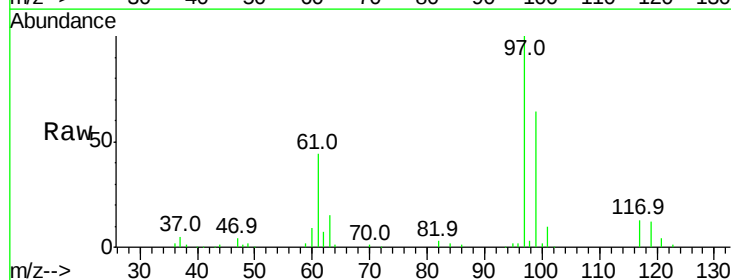
Tgt Ion: 97 Resp: 91607

Ion Ratio Lower Upper

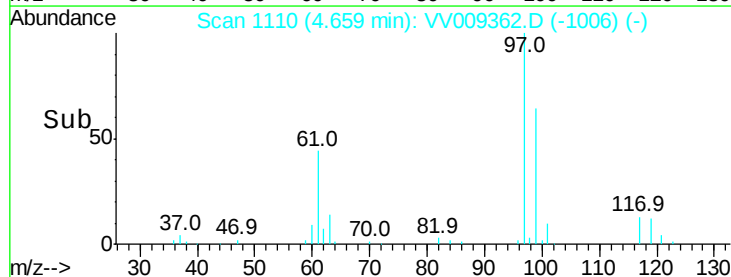
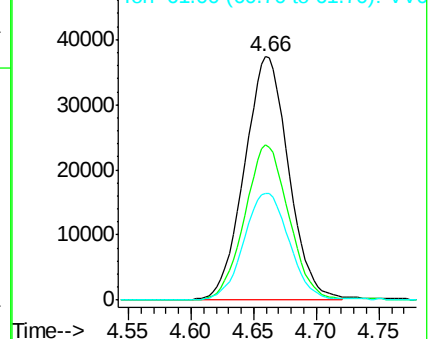
97 100

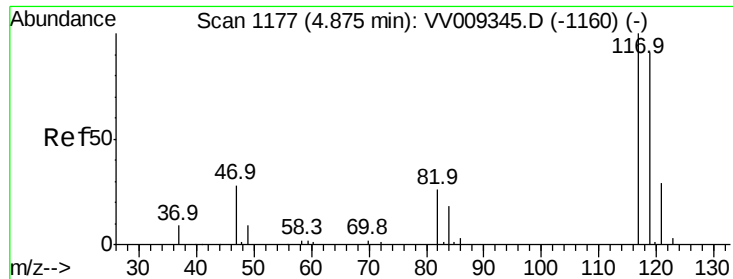
99 63.7 51.7 77.5

61 45.1 34.0 51.0



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.00 (60.70 to 61.70): VV0





#32

Carbon tetrachloride

Concen: 24.343 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

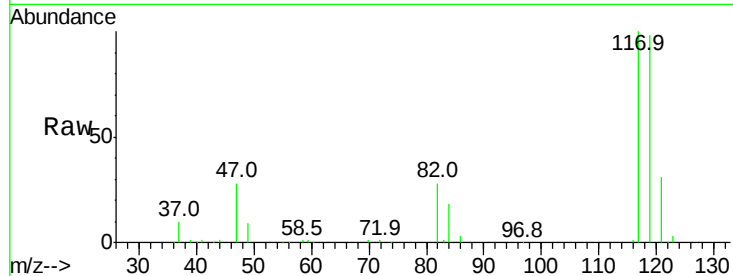
VSTD02583

Tgt Ion:117 Resp: 76470

Ion Ratio Lower Upper

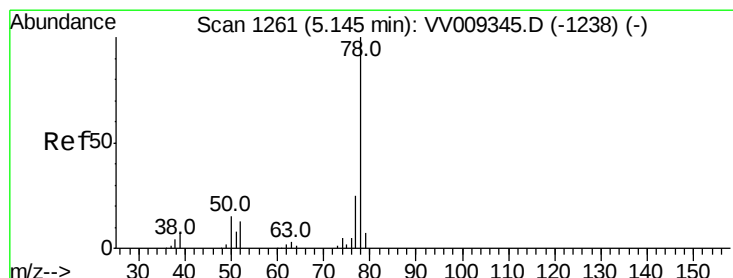
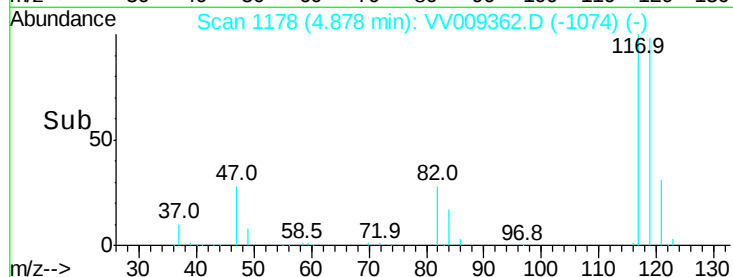
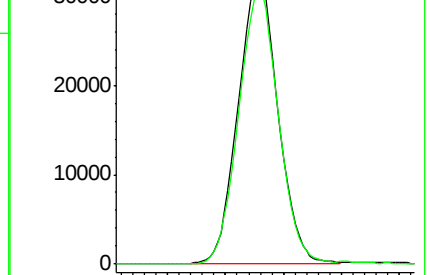
117 100

119 95.6 76.7 115.1



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#34

Benzene

Concen: 24.495 ug/L

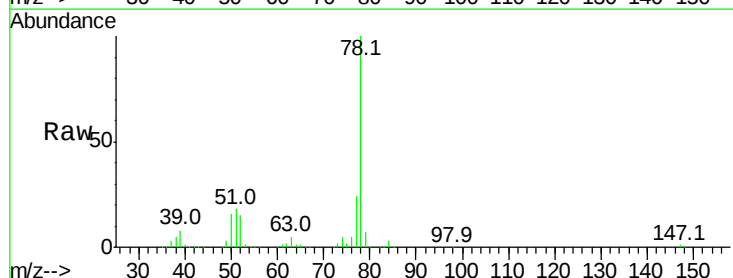
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

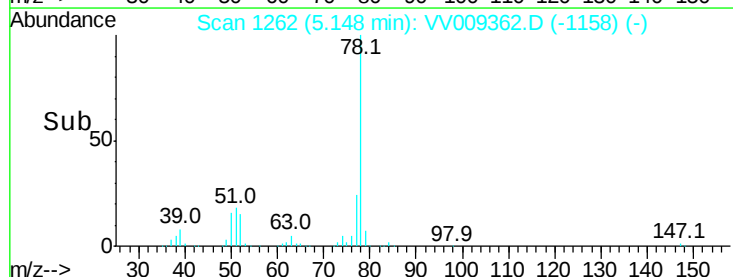
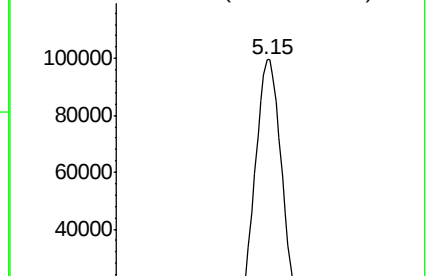
Lab File: VV009362.D

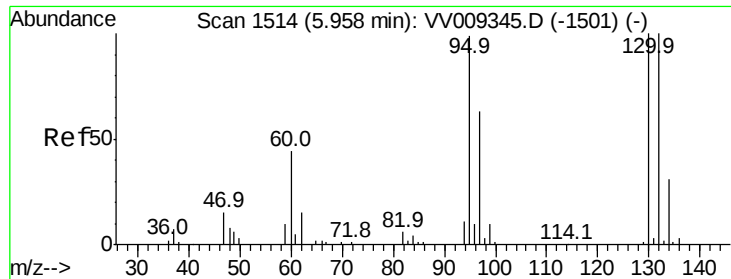
Acq: 26 Feb 2019 11:00

Tgt Ion: 78 Resp: 220465



Abundance Ion 78.00 (77.70 to 78.70): VV0

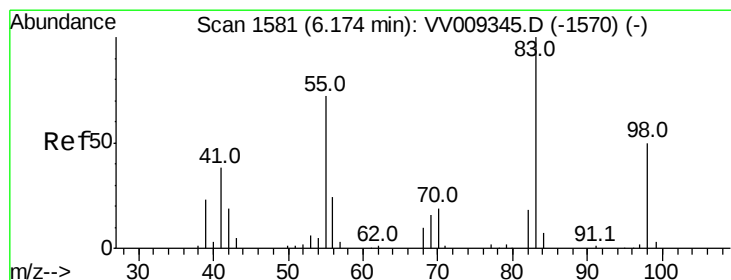
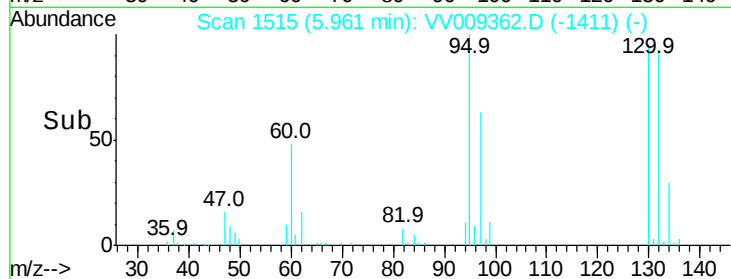
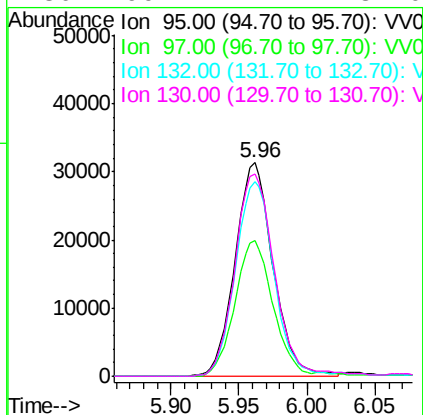
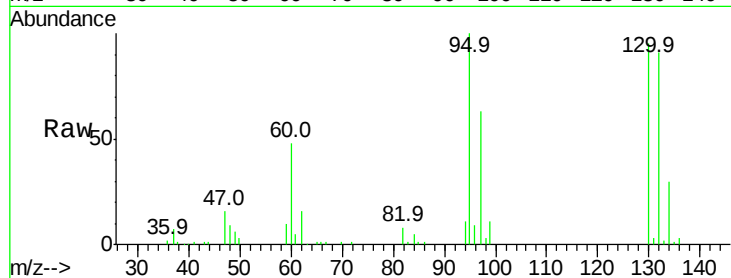




#35
 Trichloroethene
 Concen: 24.219 ug/L
 RT: 5.96 min Scan# 1515
 Delta R.T. 0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

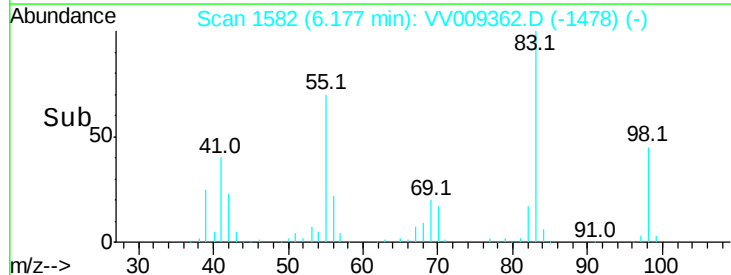
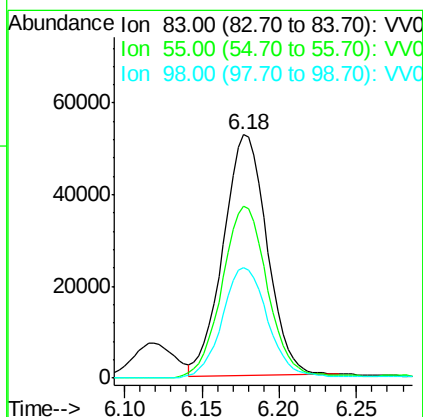
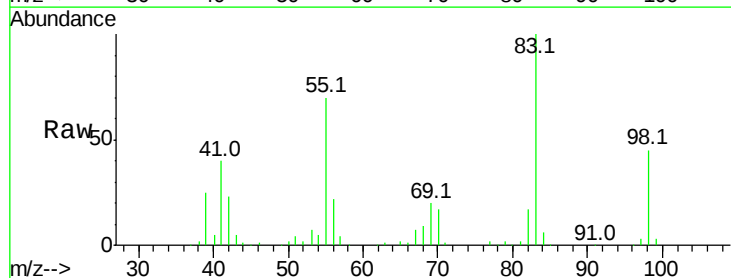
Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD02583

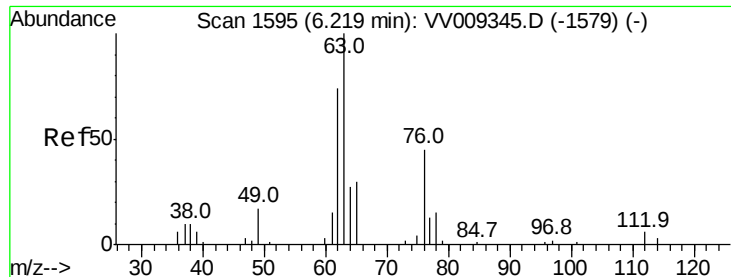
Tgt Ion: 95 Resp: 60632
 Ion Ratio Lower Upper
 95 100
 97 63.3 45.0 83.6
 132 92.0 68.7 127.5
 130 99.1 72.2 134.0



#36
 Methylcyclohexane
 Concen: 23.656 ug/L
 RT: 6.18 min Scan# 1582
 Delta R.T. 0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

Tgt Ion: 83 Resp: 103586
 Ion Ratio Lower Upper
 83 100
 55 73.5 55.8 83.6
 98 47.1 40.3 60.5





#40

1,2-Dichloropropane

Concen: 24.582 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

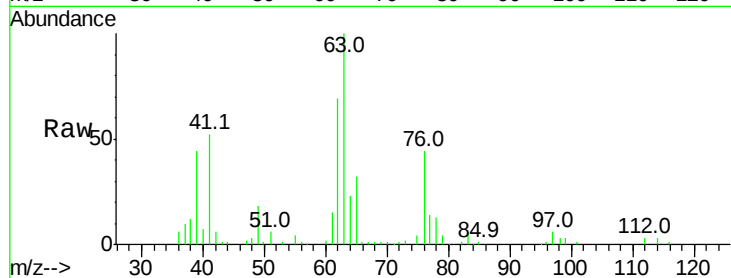
VSTD02583

Tgt Ion: 63 Resp: 53699

Ion Ratio Lower Upper

63 100

112 3.7 3.8 5.8#



Abundance Ion 63.00 (62.70 to 63.70): VV009345.D (-1579) (-)

Ion 112.00 (111.70 to 112.70): VV009345.D (-1579) (-)

6.22

30000

25000

20000

15000

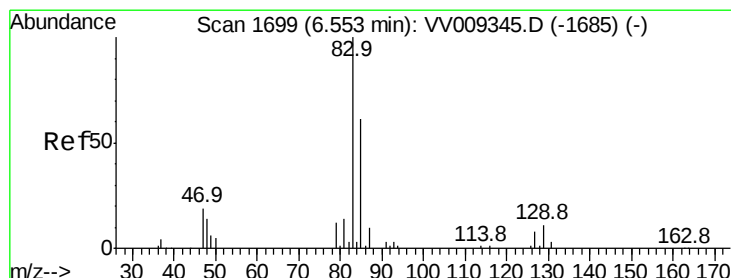
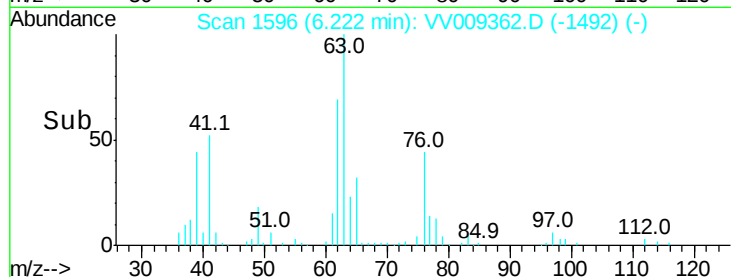
10000

5000

0

6.15 6.20 6.25 6.30

Time-->



#41

Bromodichloromethane

Concen: 24.702 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

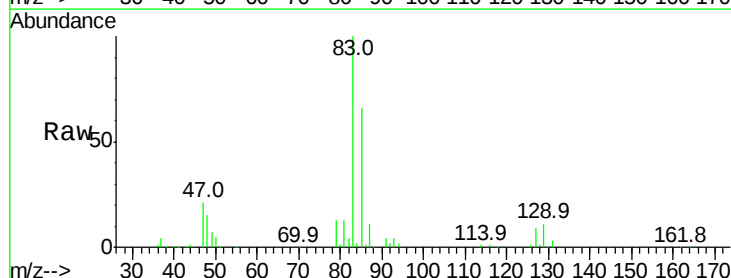
Tgt Ion: 83 Resp: 76850

Ion Ratio Lower Upper

83 100

85 66.4 44.9 83.5

127 9.0 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV009345.D (-1685) (-)

Ion 85.00 (84.70 to 85.70): VV009345.D (-1685) (-)

Ion 127.00 (126.70 to 127.70): VV009345.D (-1685) (-)

6.56

50000

40000

30000

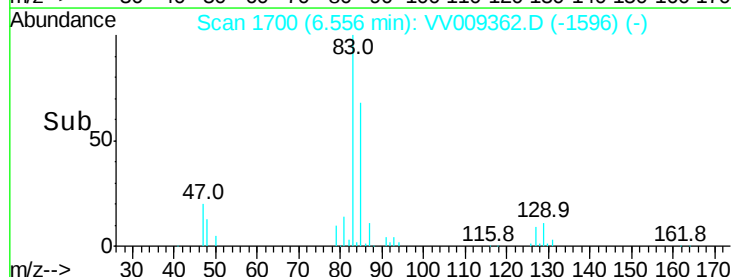
20000

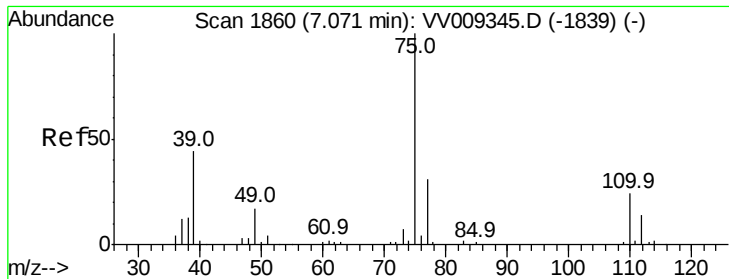
10000

0

6.50 6.55 6.60

Time-->



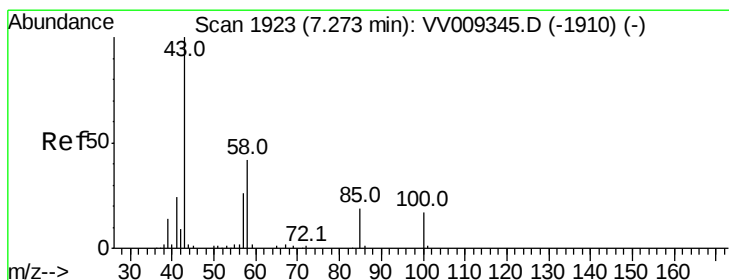
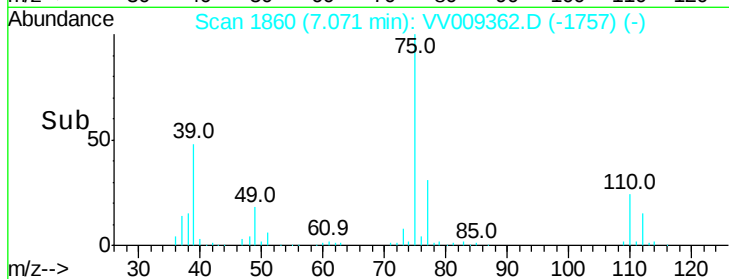
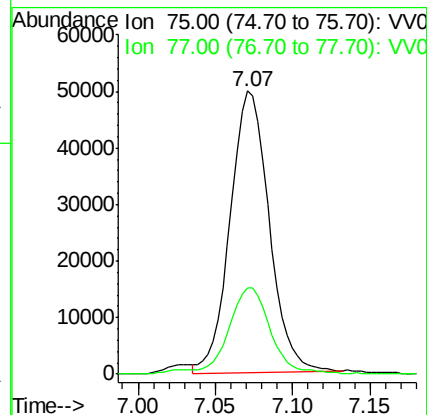
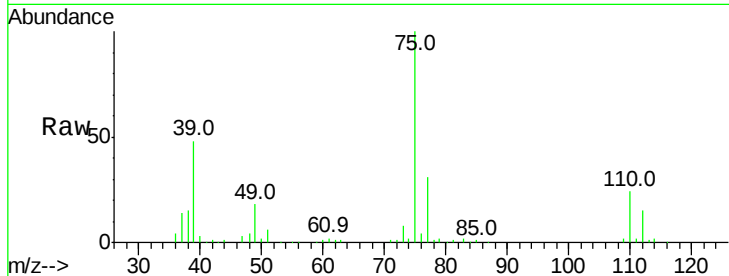


#42

cis-1,3-Dichloropropene
 Concen: 23.464 ug/L
 RT: 7.07 min Scan# 1860
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

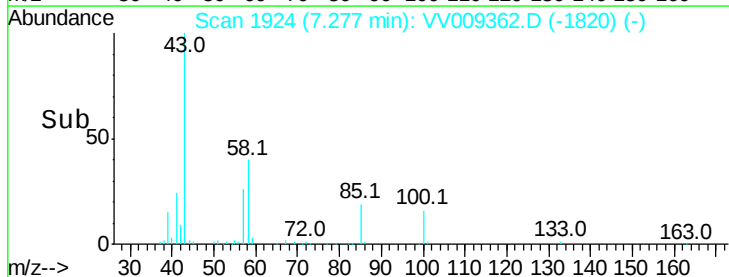
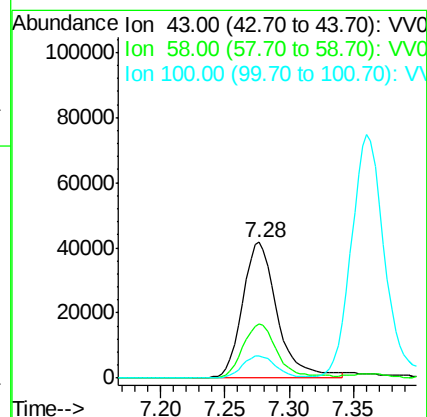
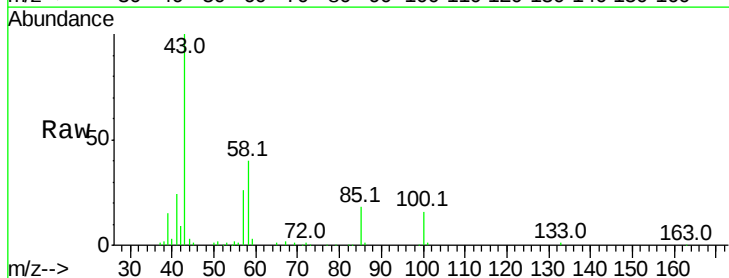
Tgt Ion: 75 Resp: 86987
 Ion Ratio Lower Upper
 75 100
 77 30.6 22.0 40.8

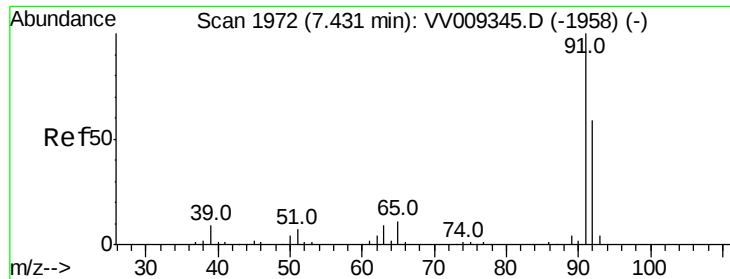


#43

4-Methyl-2-pentanone
 Concen: 42.406 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

Tgt Ion: 43 Resp: 77761
 Ion Ratio Lower Upper
 43 100
 58 39.9 34.2 51.4
 100 16.0 15.1 22.7





#44

Toluene

Concen: 24.620 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

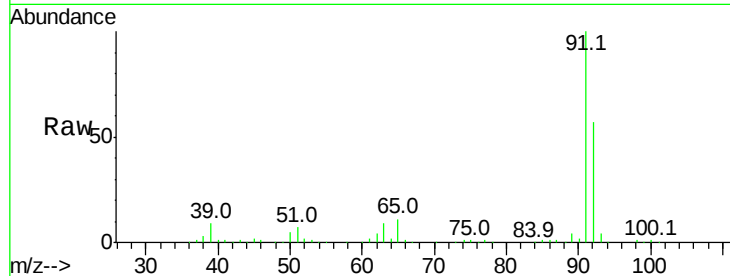
VSTD02583

Tgt Ion: 91 Resp: 245765

Ion Ratio Lower Upper

91 100

92 56.6 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV009345.D (-1958) (-)

Ion 92.00 (91.70 to 92.70): VV009345.D (-1958) (-)

7.43

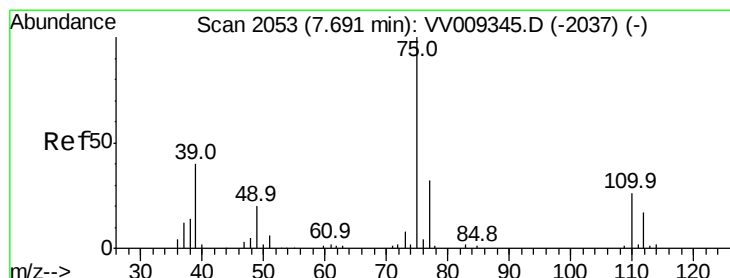
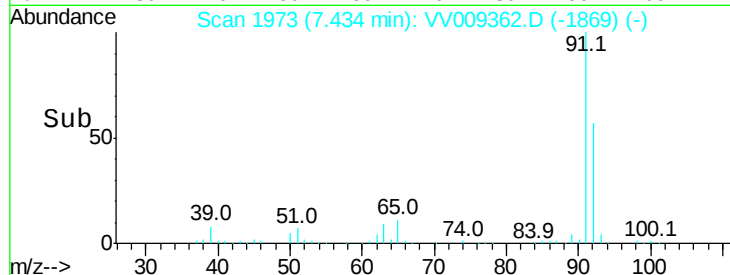
150000

100000

50000

0

Time-->



#45

trans-1,3-Dichloropropene

Concen: 24.499 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009362.D

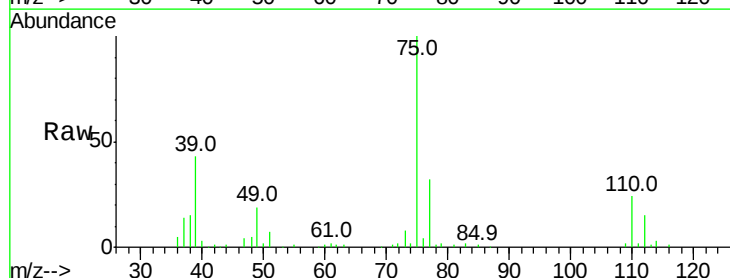
Acq: 26 Feb 2019 11:00

Tgt Ion: 75 Resp: 79531

Ion Ratio Lower Upper

75 100

77 32.1 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV009345.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV009345.D (-2037) (-)

7.69

50000

40000

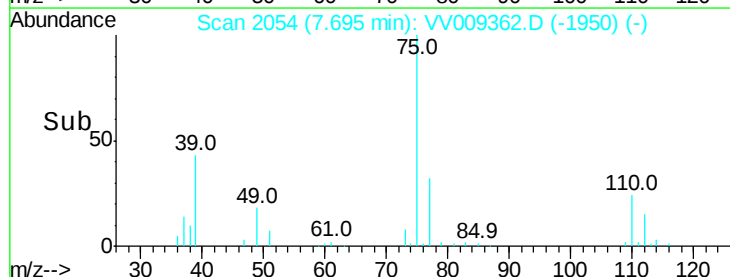
30000

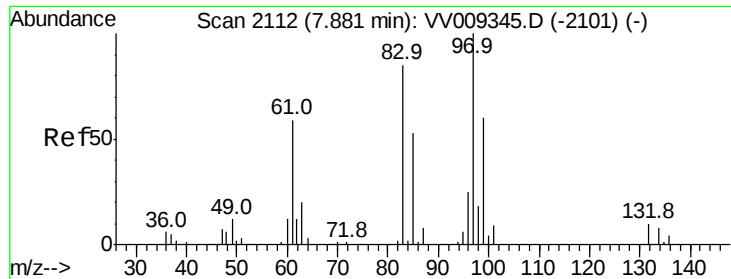
20000

10000

0

Time-->





#46

1,1,2-Trichloroethane

Concen: 22.929 ug/L

RT: 7.88 min Scan# 2113

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

Tgt Ion: 97 Resp: 44602

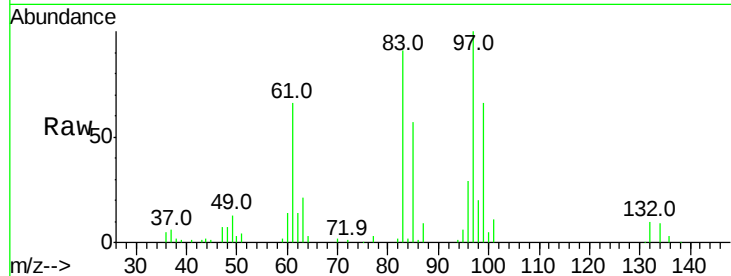
Ion Ratio Lower Upper

97 100

83 91.2 58.1 107.9

85 56.5 38.4 71.2

99 65.6 44.7 83.1



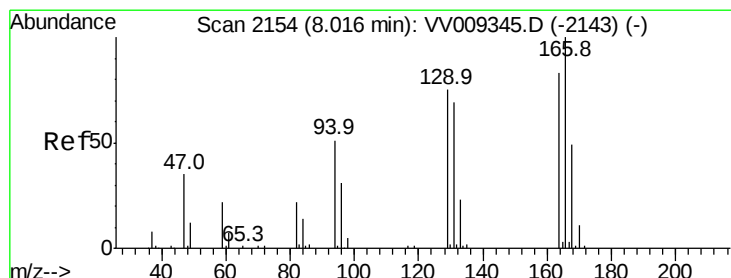
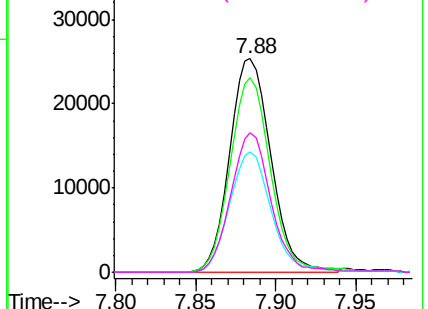
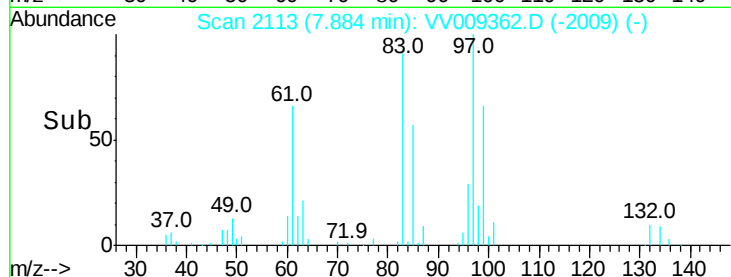
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 99.00 (98.70 to 99.70): VV0



#47

Tetrachloroethene

Concen: 23.158 ug/L

RT: 8.02 min Scan# 2155

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Tgt Ion:164 Resp: 45310

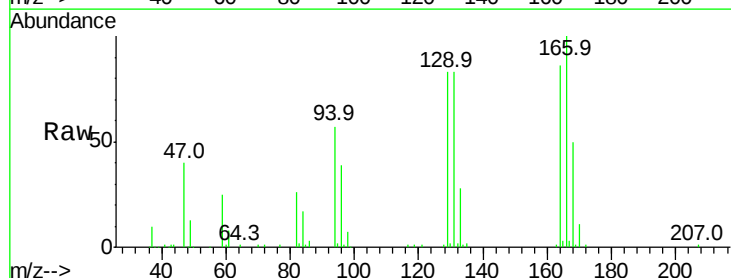
Ion Ratio Lower Upper

164 100

129 96.7 67.0 124.4

131 96.4 65.0 120.8

166 116.6 89.9 167.0



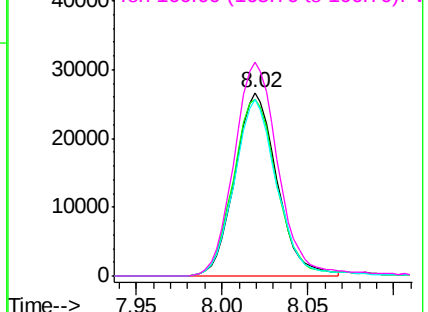
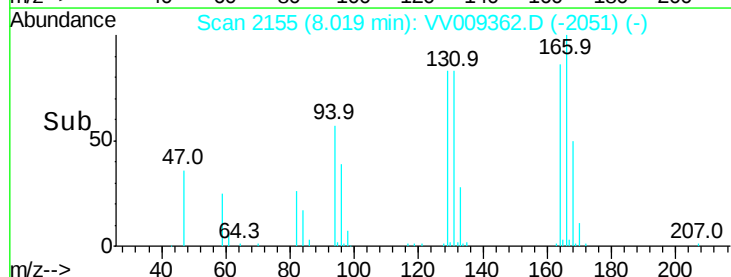
Abundance

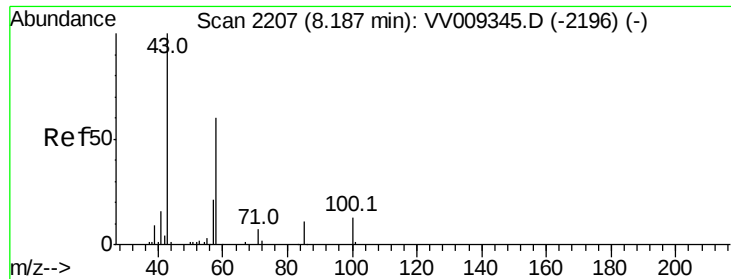
Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V

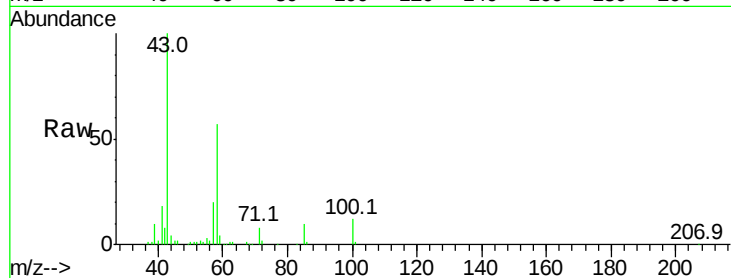




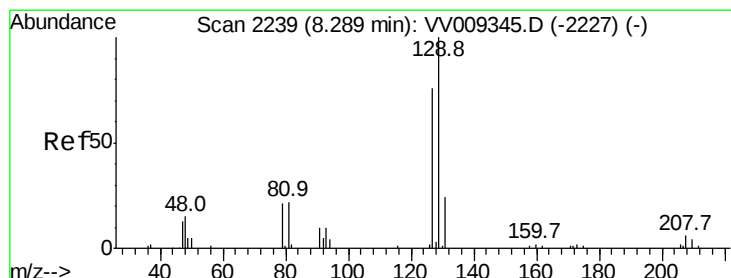
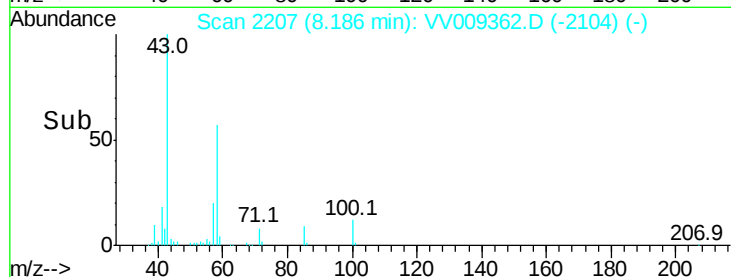
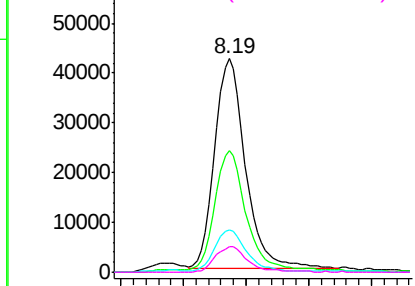
#49
2-Hexanone
Concen: 50.944 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. -0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Tgt Ion: 43 Resp: 71845
Ion Ratio Lower Upper
43 100
58 57.9 46.8 70.2
57 19.7 14.2 21.2
100 12.5 11.0 16.6

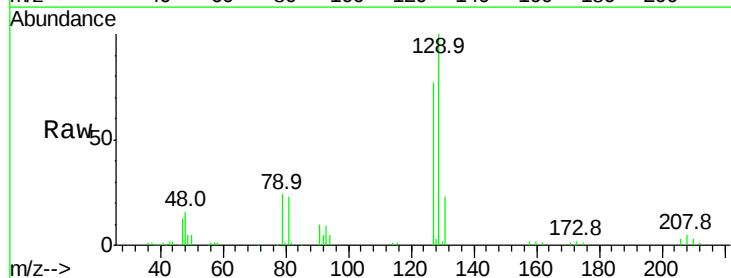


Abundance Ion 43.00 (42.70 to 43.70): VV009345.D (-2196) (-)
Ion 58.00 (57.70 to 58.70): VV009345.D (-2196) (-)
Ion 57.00 (56.70 to 57.70): VV009345.D (-2196) (-)
Ion 100.00 (99.70 to 100.70): VV009345.D (-2196) (-)

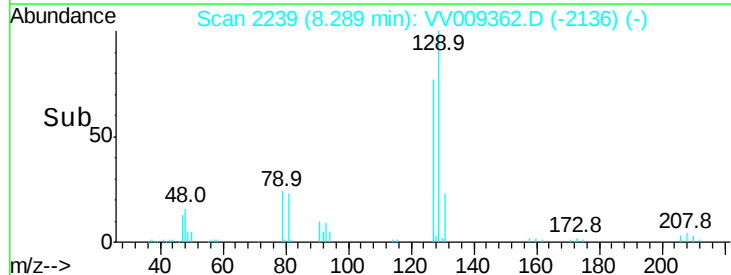
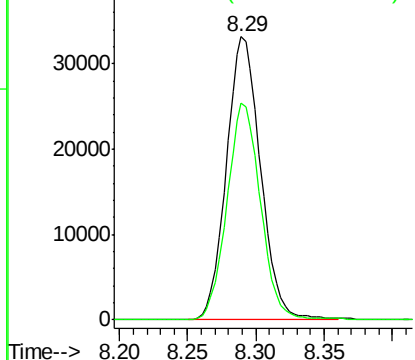


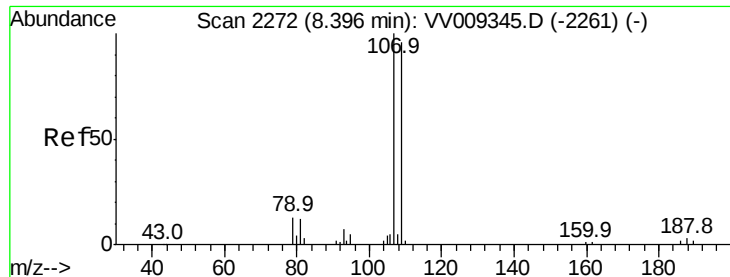
#50
Dibromochloromethane
Concen: 24.670 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. -0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Tgt Ion: 129 Resp: 57864
Ion Ratio Lower Upper
129 100
127 76.7 53.6 99.6



Abundance Ion 129.00 (128.70 to 129.70): VV009345.D (-2227) (-)
Ion 127.00 (126.70 to 127.70): VV009345.D (-2227) (-)





#51

1,2-Dibromoethane

Concen: 23.205 ug/L

RT: 8.40 min Scan# 2273

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

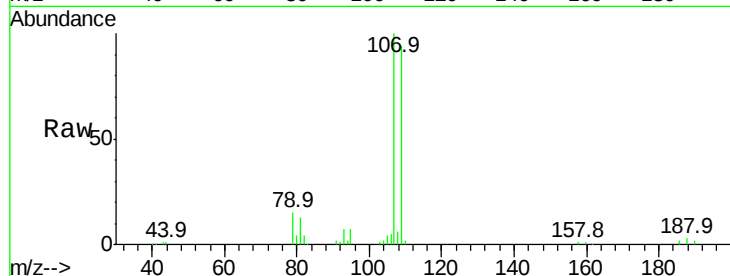
Tgt Ion:107 Resp: 45274

Ion Ratio Lower Upper

107 100

109 93.7 64.5 119.9

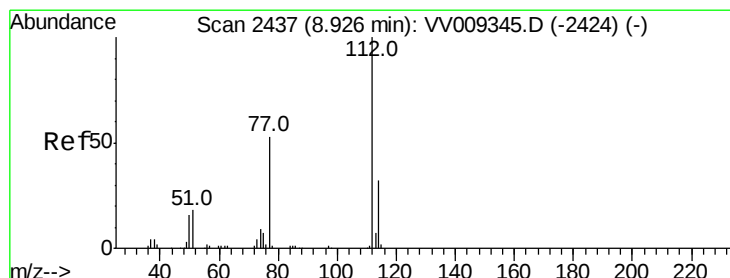
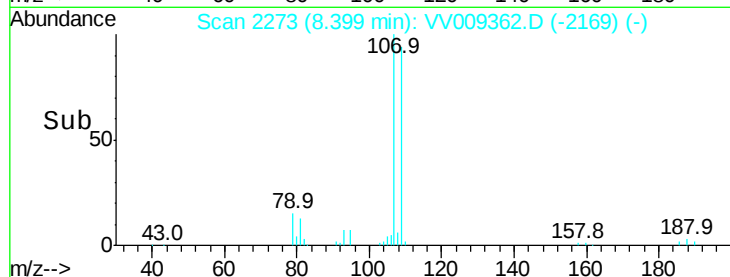
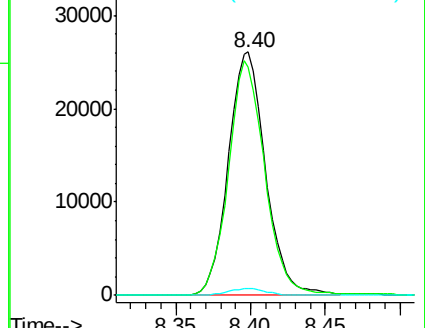
188 2.9 2.8 4.2



Abundance Ion 107.00 (106.70 to 107.70): V

Ion 109.00 (108.70 to 109.70): V

Ion 188.00 (187.70 to 188.70): V



#52

Chlorobenzene

Concen: 25.442 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

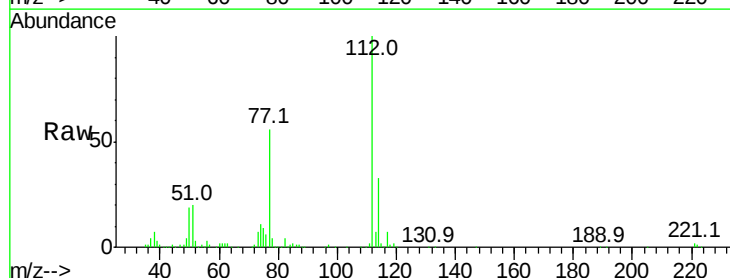
Tgt Ion:112 Resp: 165369

Ion Ratio Lower Upper

112 100

77 56.3 45.0 67.4

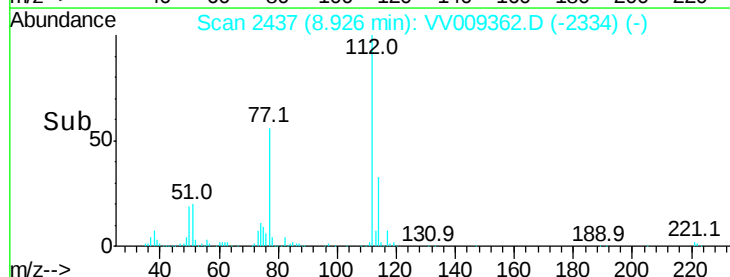
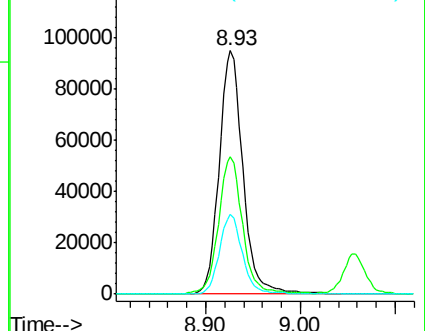
114 32.7 22.0 41.0

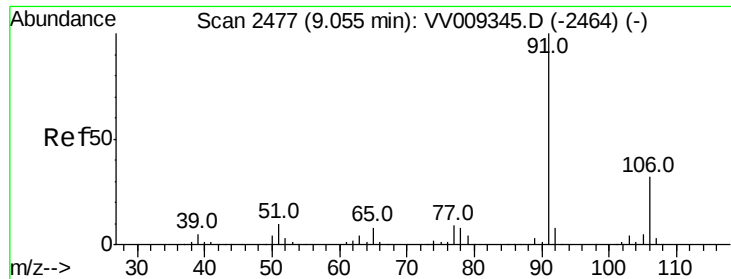


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): VV0

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 25.633 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

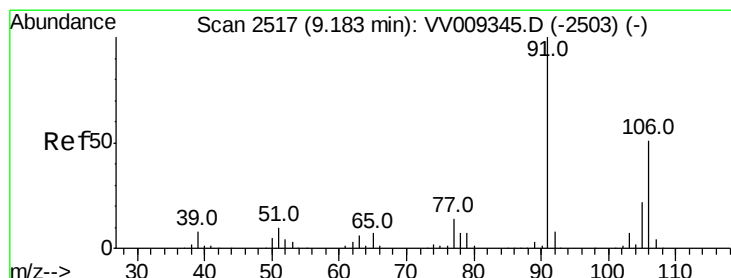
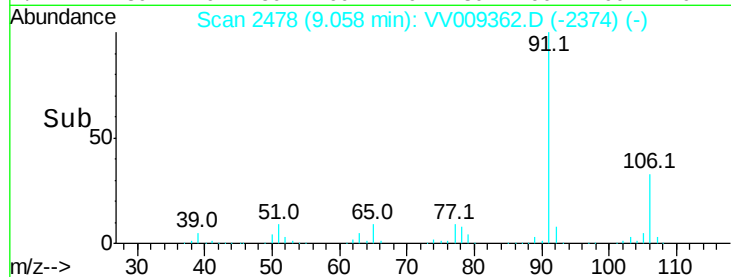
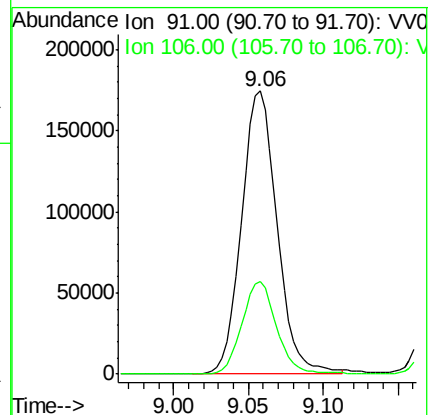
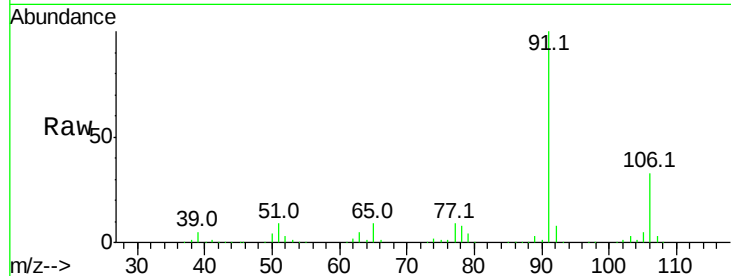
VSTD02583

Tgt Ion: 91 Resp: 289065

Ion Ratio Lower Upper

91 100

106 32.8 22.2 41.2



#54

m,p-Xylene

Concen: 26.114 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. -0.00 min

Lab File: VV009362.D

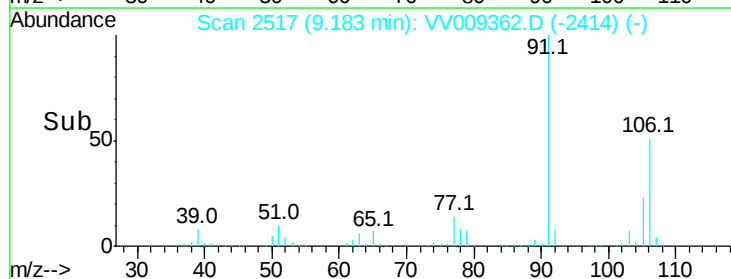
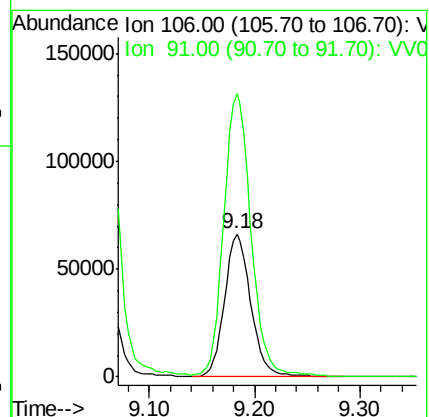
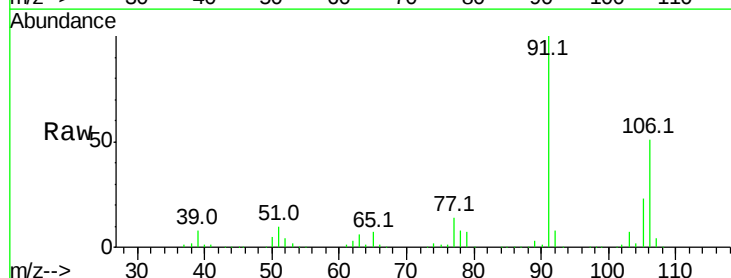
Acq: 26 Feb 2019 11:00

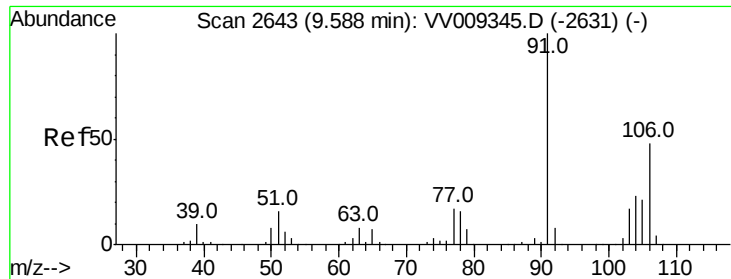
Tgt Ion: 106 Resp: 114909

Ion Ratio Lower Upper

106 100

91 197.8 141.4 262.6

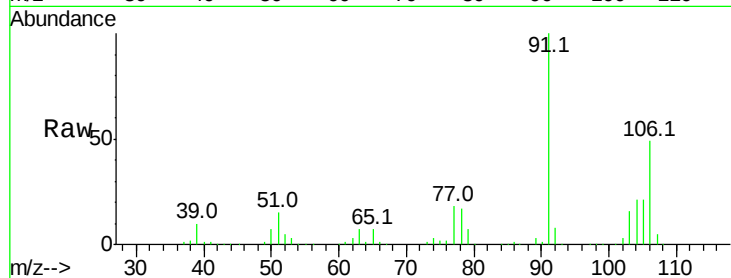




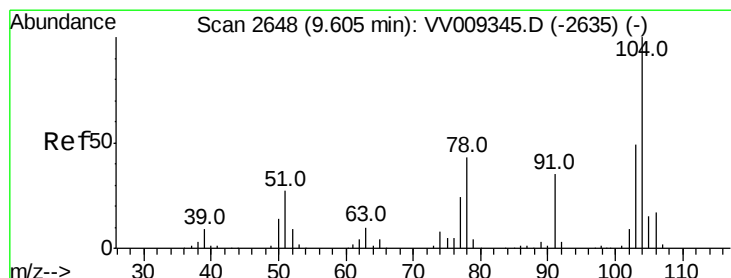
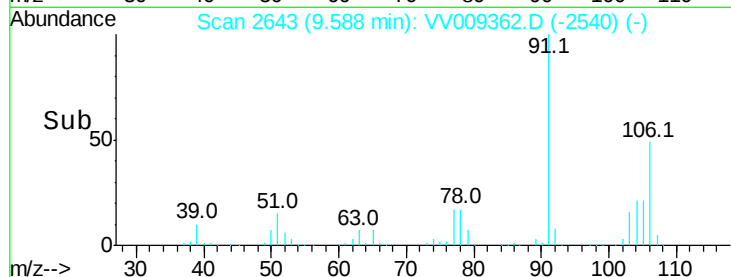
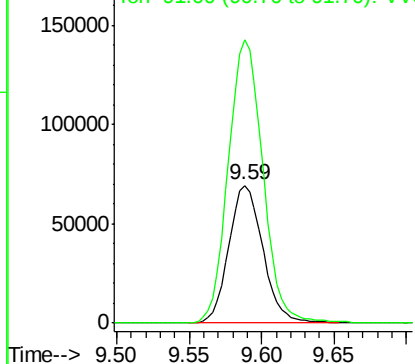
#55
o-xylene
Concen: 27.557 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. -0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Instrument :
MSVOA_V
ClientSampleId :
VSTD02583

Tgt Ion:106 Resp: 113819
Ion Ratio Lower Upper
106 100
91 205.4 146.4 271.8

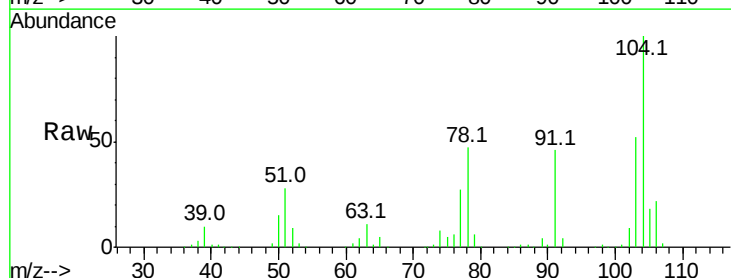


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

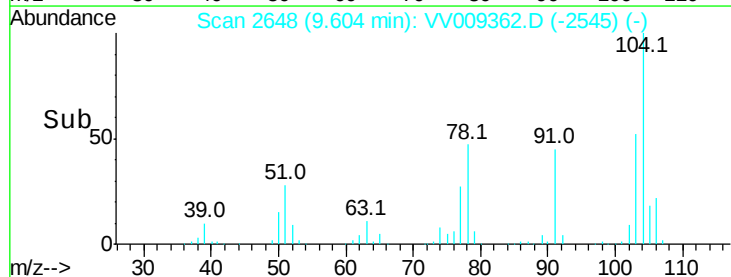
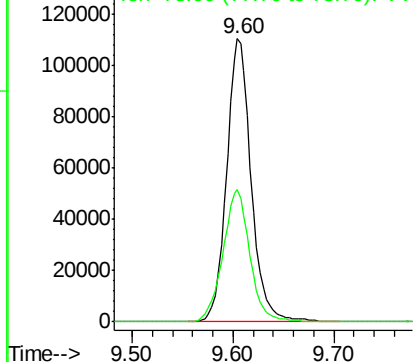


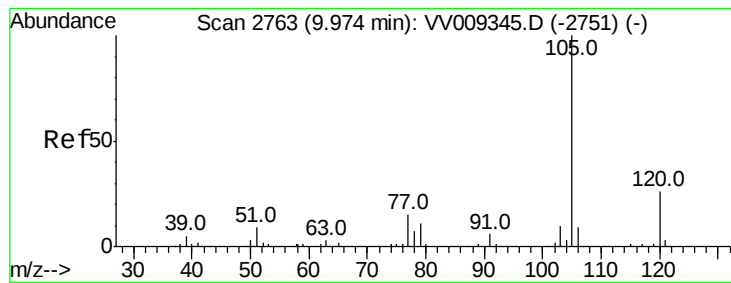
#56
Styrene
Concen: 26.408 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. -0.00 min
Lab File: VV009362.D
Acq: 26 Feb 2019 11:00

Tgt Ion:104 Resp: 187176
Ion Ratio Lower Upper
104 100
78 46.7 31.6 58.6



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





#57

Isopropylbenzene

Concen: 26.517 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

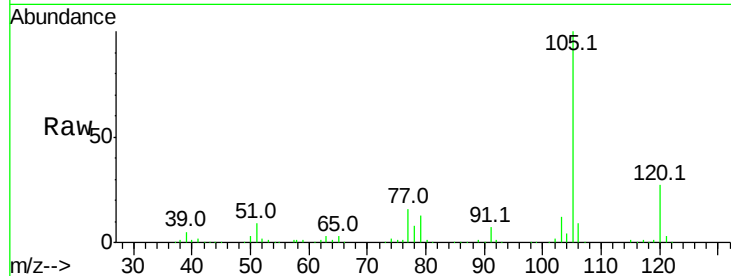
Tgt Ion:105 Resp: 303193

Ion Ratio Lower Upper

105 100

120 26.8 21.7 32.5

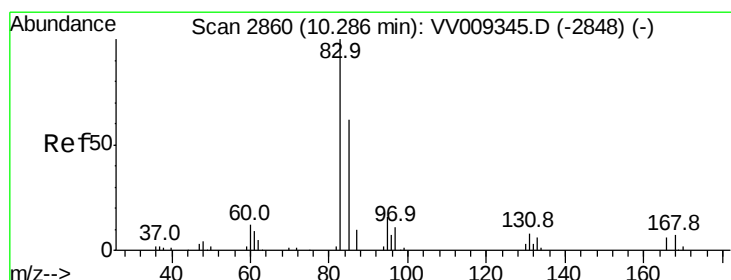
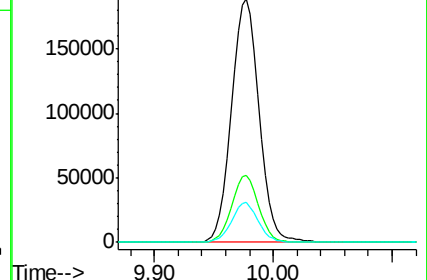
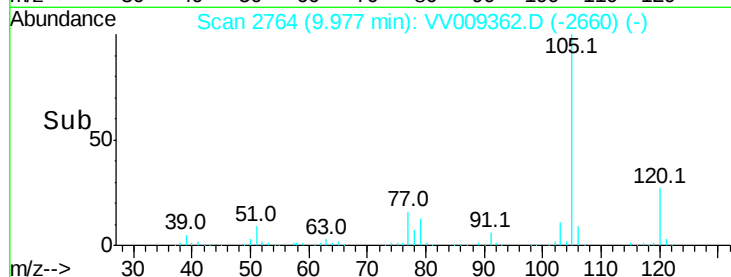
77 16.0 12.8 19.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 23.500 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

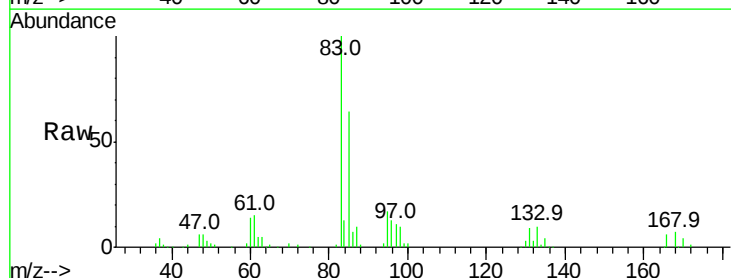
Tgt Ion: 83 Resp: 64508

Ion Ratio Lower Upper

83 100

85 63.9 44.7 83.1

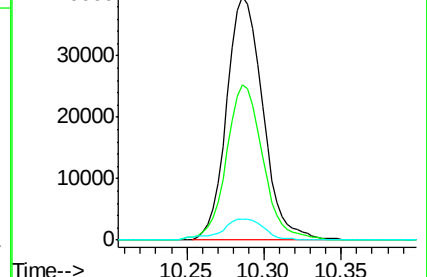
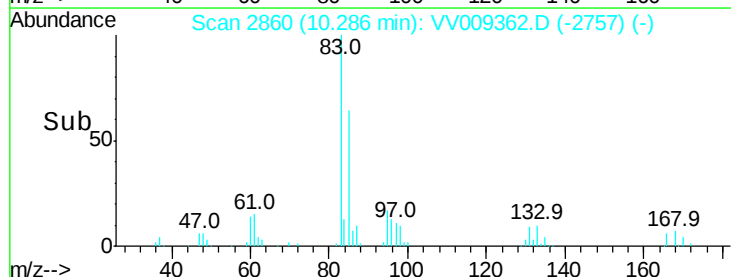
131 8.8 8.1 12.1

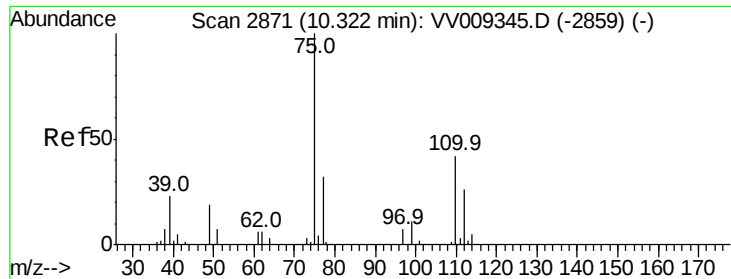


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

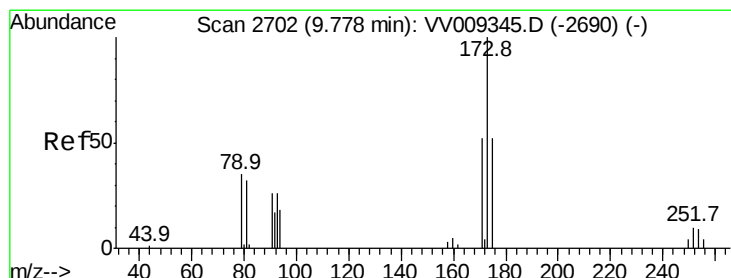
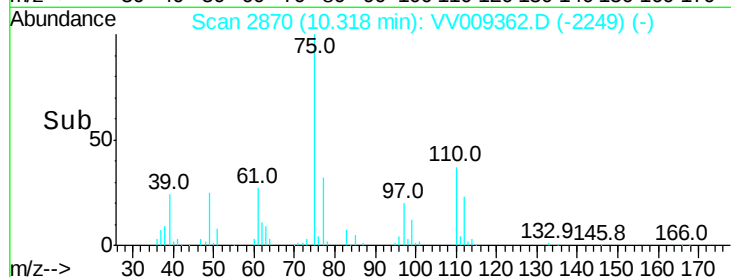
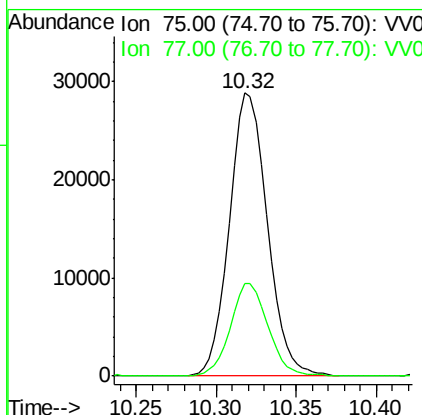
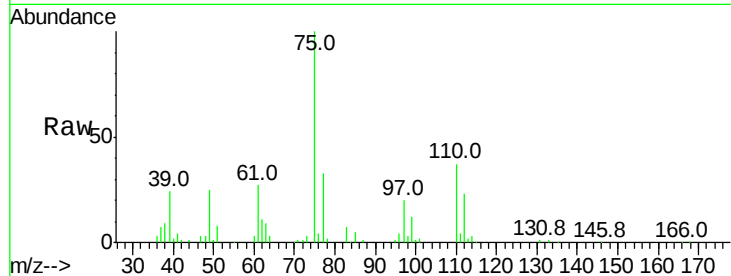




#59
 1,2,3-Trichloropropane
 Concen: 23.700 ug/L
 RT: 10.32 min Scan# 2870
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

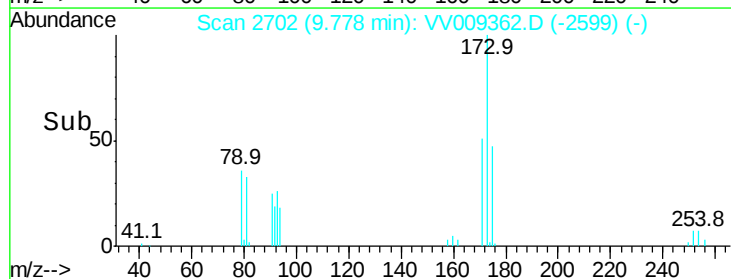
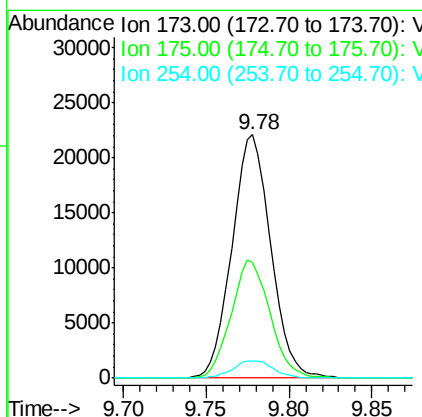
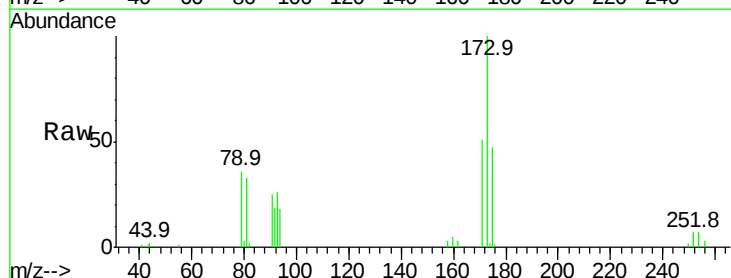
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

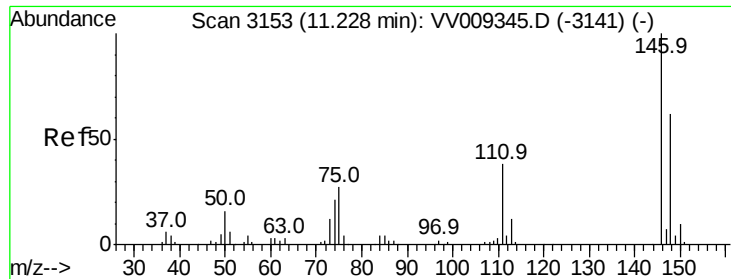
Tgt Ion: 75 Resp: 46619
 Ion Ratio Lower Upper
 75 100
 77 32.4 26.3 39.5



#62
 Bromoform
 Concen: 23.485 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

Tgt Ion: 173 Resp: 36005
 Ion Ratio Lower Upper
 173 100
 175 48.5 39.1 58.7
 254 7.3 5.7 8.5

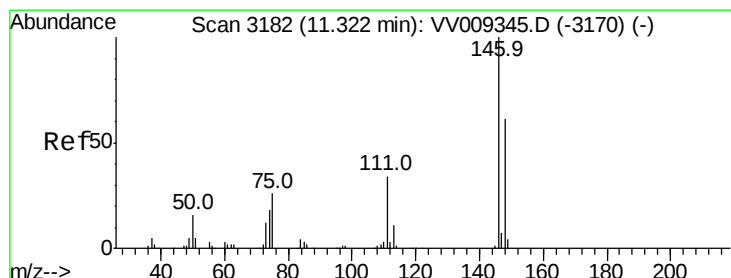
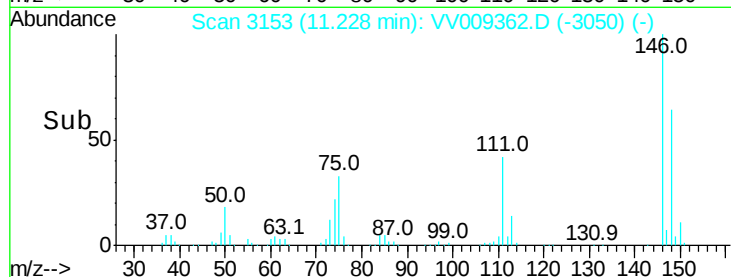
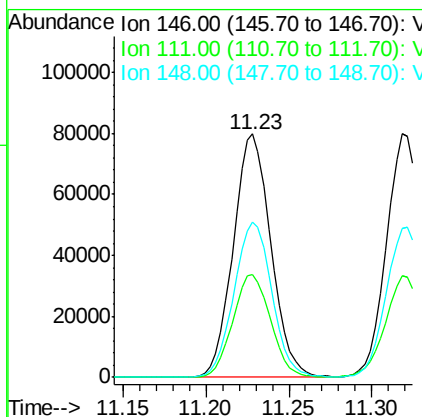
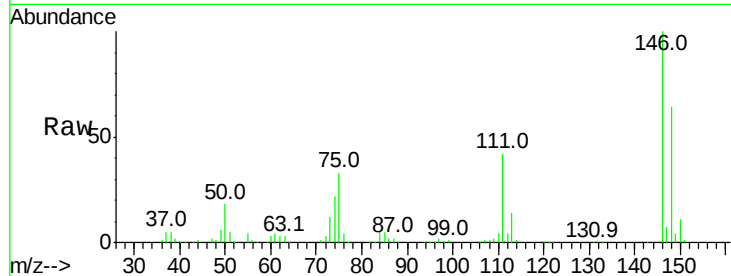




#63
 1,3-Dichlorobenzene
 Concen: 23.695 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

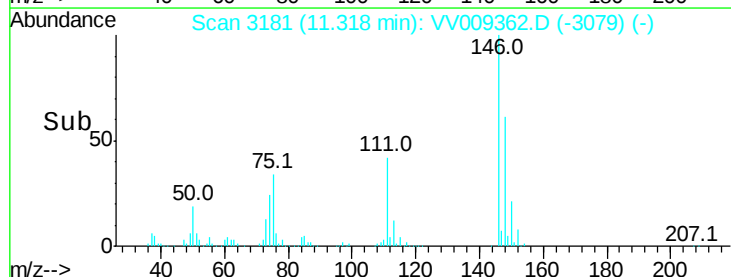
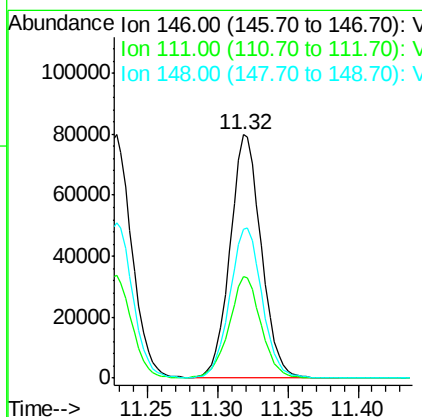
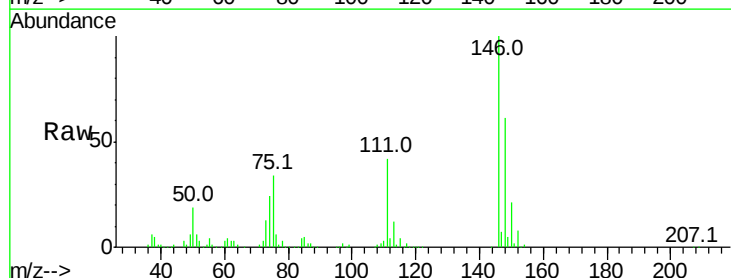
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

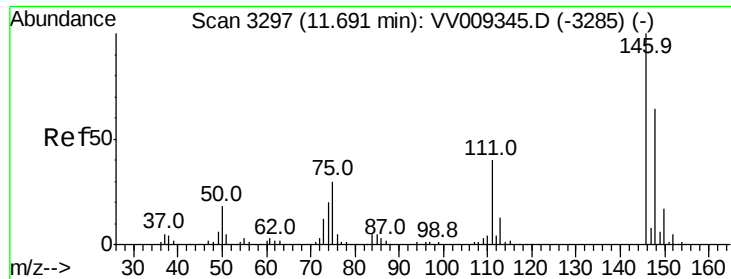
Tgt Ion:146 Resp: 126220
 Ion Ratio Lower Upper
 146 100
 111 42.3 27.6 51.4
 148 64.0 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 23.336 ug/L
 RT: 11.32 min Scan# 3181
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

Tgt Ion:146 Resp: 123906
 Ion Ratio Lower Upper
 146 100
 111 41.7 26.9 50.1
 148 61.4 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 24.024 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

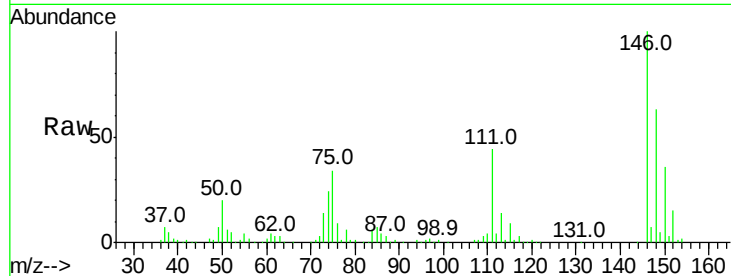
Tgt Ion:146 Resp: 119992

Ion Ratio Lower Upper

146 100

111 44.2 32.6 48.8

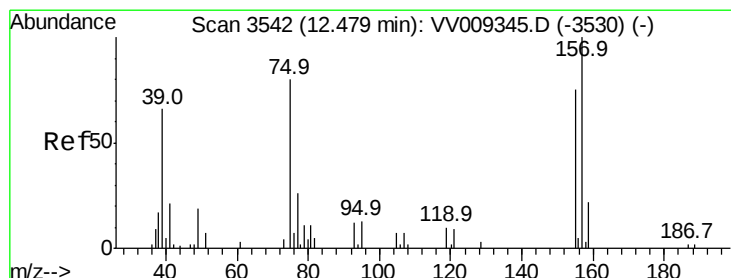
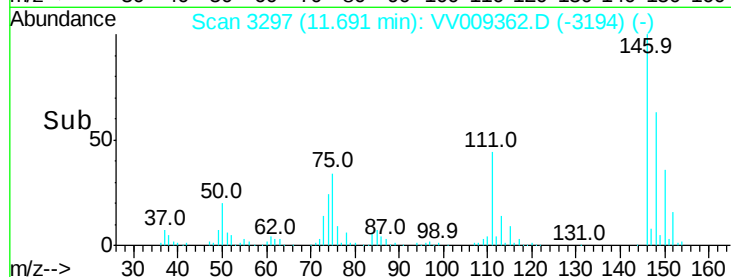
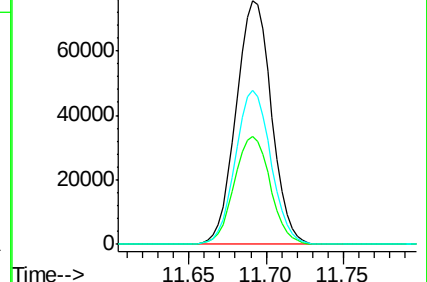
148 63.3 51.1 76.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#66

1,2-Dibromo-3-chloropropane

Concen: 20.936 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

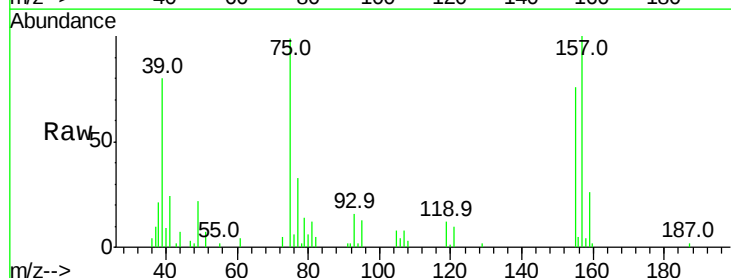
Tgt Ion: 75 Resp: 11613

Ion Ratio Lower Upper

75 100

157 101.2 88.6 133.0

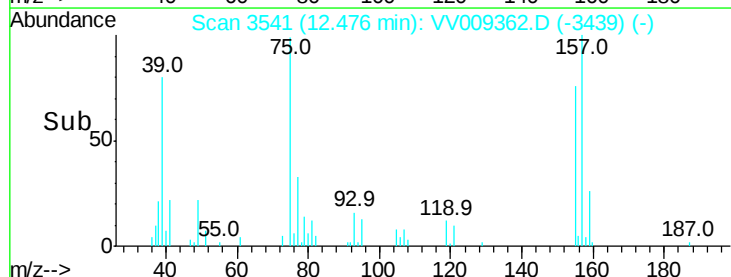
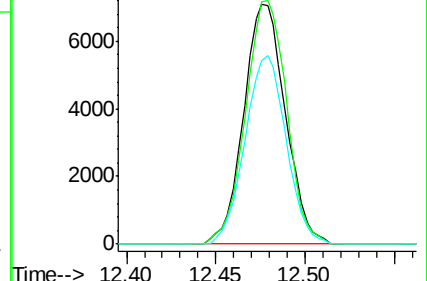
155 76.5 66.6 100.0

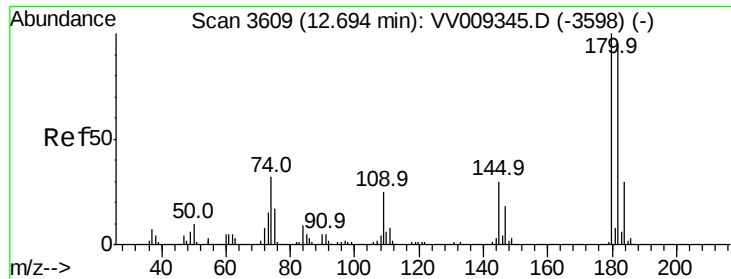


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

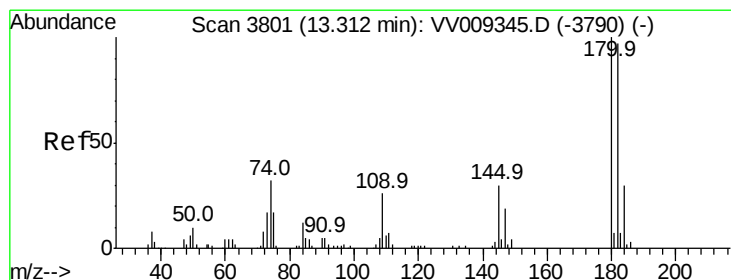
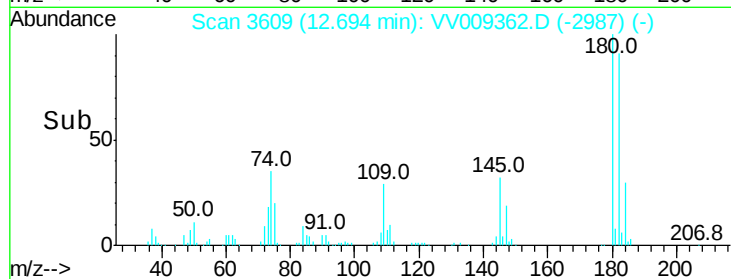
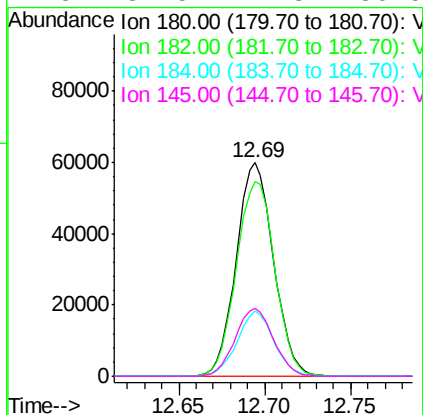
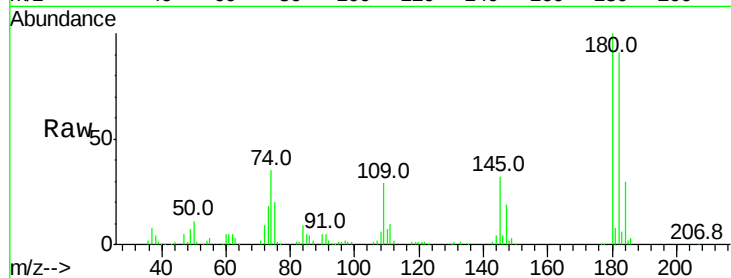




#67
 1,3,5-Trichlorobenzene
 Concen: 23.355 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

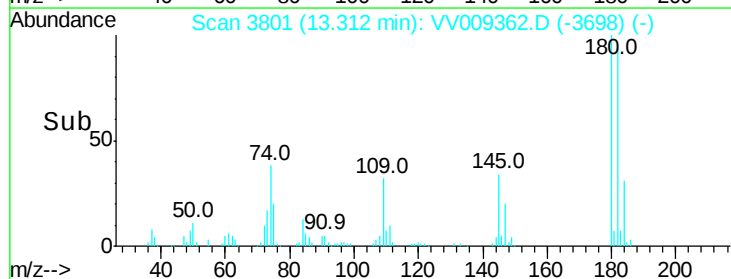
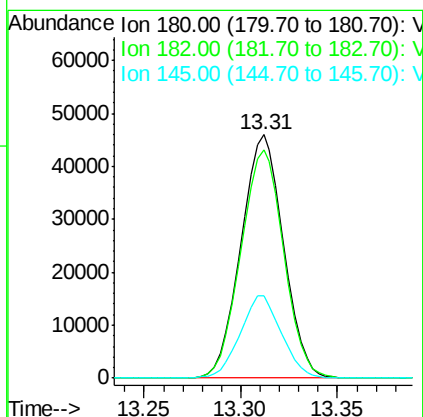
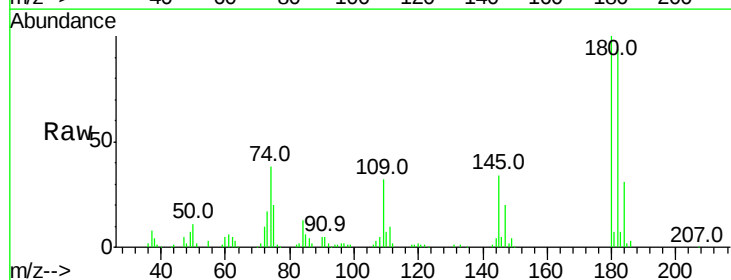
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD02583

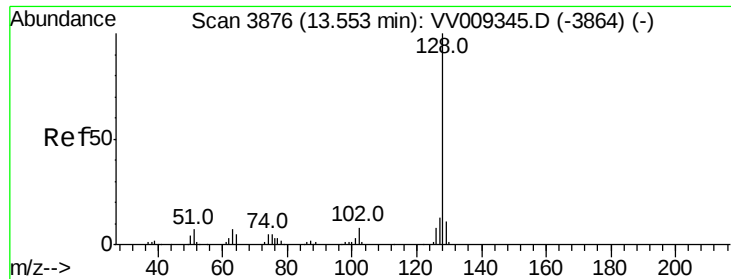
Tgt Ion:	180	Resp:	90021
Ion	Ratio	Lower	Upper
180	100		
182	94.3	77.4	116.2
184	29.9	24.9	37.3
145	32.5	24.3	36.5



#68
 1,2,4-trichlorobenzene
 Concen: 22.314 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. -0.00 min
 Lab File: VV009362.D
 Acq: 26 Feb 2019 11:00

Tgt Ion:	180	Resp:	70176
Ion	Ratio	Lower	Upper
180	100		
182	94.9	76.7	115.1
145	32.8	25.1	37.7





#69

Naphthalene

Concen: 21.466 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

Instrument :

MSVOA_V

ClientSampleId :

VSTD02583

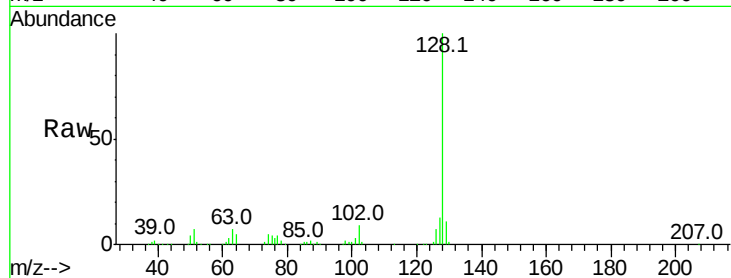
Tgt Ion:128 Resp: 144703

Ion Ratio Lower Upper

128 100

129 11.0 8.6 13.0

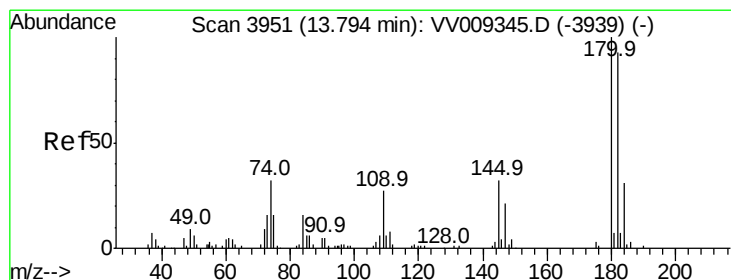
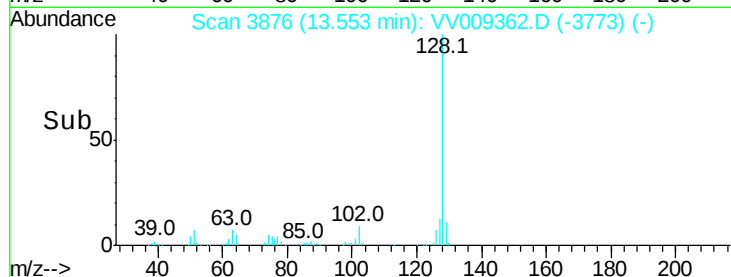
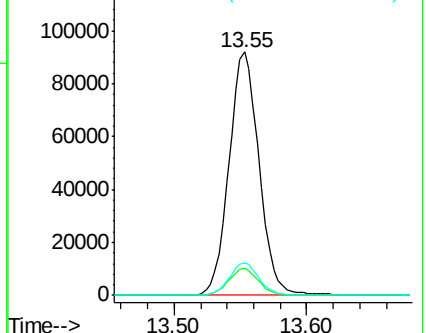
127 13.3 10.5 15.7



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: 22.320 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. -0.00 min

Lab File: VV009362.D

Acq: 26 Feb 2019 11:00

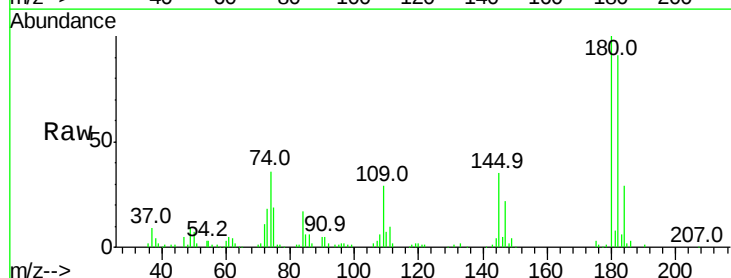
Tgt Ion:180 Resp: 64784

Ion Ratio Lower Upper

180 100

182 92.7 73.6 110.4

145 34.6 26.1 39.1



Abundance Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

