

Data File : VV009364.D
Acq On : 26 Feb 2019 11:53
Operator : SY/MD
Sample : VSTD10085
Misc : 5.00G/10ML/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD10085

Quant Time: Feb 26 12:15:44 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM022619S.M
Quant Title : VOC Analysis
QLast Update : Tue Feb 26 11:56:52 2019
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	239443	25.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	233430	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	116274	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	247748	77.77	ug/L	0.00
7) Chloroethane-d5	1.57	69	289409	76.80	ug/L	0.00
10) 1,1-Dichloroethene-d2	2.13	63	653445	83.43	ug/L	0.00
20) 2-Butanone-d5	3.94	46	154233	138.34	ug/L	0.00
24) Chloroform-d	4.40	84	552771	99.41	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.08	65	309337	102.60	ug/L	0.00
29) Benzene-d6	5.10	84	1105347	94.42	ug/L	0.00
33) 1,2-Dichloropropane-d6	6.12	67	329911	95.75	ug/L	0.00
37) Toluene-d8	7.36	98	1120744	100.58	ug/L	0.00
38) trans-1,3-Dichloropropene-	7.66	79	177454	100.29	ug/L	0.00
39) 2-Hexanone-d5	8.14	63	132377	138.13	ug/L	0.00
48) 1,1,2,2-Tetrachloroethane-	10.26	84	322961	85.73	ug/L	0.00
61) 1,2-Dichlorobenzene-d4	11.67	152	393486	92.14	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	257825	92.252	ug/L	95
3) Chloromethane	1.25	50	258937	75.836	ug/L	98
5) Vinyl chloride	1.32	62	289961	74.887	ug/L	98
6) Bromomethane	1.53	94	328676	91.215	ug/L	100
8) Chloroethane	1.59	64	244763	74.890	ug/L	100
9) Trichlorofluoromethane	1.76	101	577488	79.221	ug/L	100
11) 1,1,2-Trichloro-1,2,2-trif	2.14	101	322846	77.445	ug/L	99
12) 1,1-Dichloroethene	2.14	96	277010	78.851	ug/L	89
13) Acetone	2.20	43	167274	153.488	ug/L	97
14) Carbon disulfide	2.32	76	741553	78.883	ug/L	99
15) Methyl Acetate	2.46	43	112762	70.960	ug/L	98
16) Methylene chloride	2.53	84	244175	67.414	ug/L	93
17) Methyl tert-butyl Ether	2.81	73	657913	84.546	ug/L	98
18) trans-1,2-Dichloroethene	2.79	96	252592	79.812	ug/L	94
19) 1,1-Dichloroethane	3.23	63	461804	87.850	ug/L	98
21) 2-Butanone	4.02	43	228627	183.119	ug/L	97
22) cis-1,2-Dichloroethene	3.96	96	306815	88.745	ug/L	97
23) Bromochloromethane	4.30	128	140394	88.733	ug/L	98
25) Chloroform	4.43	83	520147	92.988	ug/L	97
27) 1,2-Dichloroethane	5.18	62	372121	98.242	ug/L	96
30) Cyclohexane	4.73	56	467026	86.309	ug/L	98
31) 1,1,1-Trichloroethane	4.66	97	499012	94.659	ug/L	99
32) Carbon tetrachloride	4.88	117	444768	99.839	ug/L	99
34) Benzene	5.15	78	1135320	88.950	ug/L	100
35) Trichloroethene	5.96	95	316200	89.065	ug/L	98
36) Methylcyclohexane	6.18	83	534634	86.095	ug/L	98
40) 1,2-Dichloropropane	6.22	63	287278	92.735	ug/L	98
41) Bromodichloromethane	6.56	83	419324	95.045	ug/L	99
42) cis-1,3-Dichloropropene	7.07	75	474698	90.293	ug/L	100
43) 4-Methyl-2-pentanone	7.28	43	370262	142.382	ug/L	97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) Toluene	7.43	91	1311513	92.646	ug/L	100
45) trans-1,3-Dichloropropene	7.69	75	442370	96.091	ug/L	99
46) 1,1,2-Trichloroethane	7.88	97	245458	88.979	ug/L	99
47) Tetrachloroethene	8.02	164	247956	89.364	ug/L	97
49) 2-Hexanone	8.19	43	346816	173.414	ug/L	98
50) Dibromochloromethane	8.29	129	328595	98.789	ug/L	99
51) 1,2-Dibromoethane	8.40	107	249750	90.266	ug/L	99
52) Chlorobenzene	8.93	112	859526	93.247	ug/L	99
53) Ethylbenzene	9.06	91	1478124	92.426	ug/L	99
54) m,p-Xylene	9.18	106	581822	93.239	ug/L	99
55) o-xylene	9.59	106	552406	94.312	ug/L	97
56) Styrene	9.60	104	939060	93.425	ug/L	99
57) Isopropylbenzene	9.98	105	1484565	91.557	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	311087	79.913	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	219238	78.592	ug/L	99
62) Bromoform	9.78	173	197900	92.061	ug/L	99
63) 1,3-Dichlorobenzene	11.23	146	670289	89.741	ug/L	98
64) 1,4-Dichlorobenzene	11.32	146	665045	89.324	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	621838	88.790	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	58827	75.635	ug/L	96
67) 1,3,5-Trichlorobenzene	12.69	180	486311	89.980	ug/L	97
68) 1,2,4-trichlorobenzene	13.31	180	420026	95.247	ug/L	98
69) Naphthalene	13.55	128	912618	96.551	ug/L	99
70) 1,2,3-Trichlorobenzene	13.79	180	383278	94.176	ug/L	96

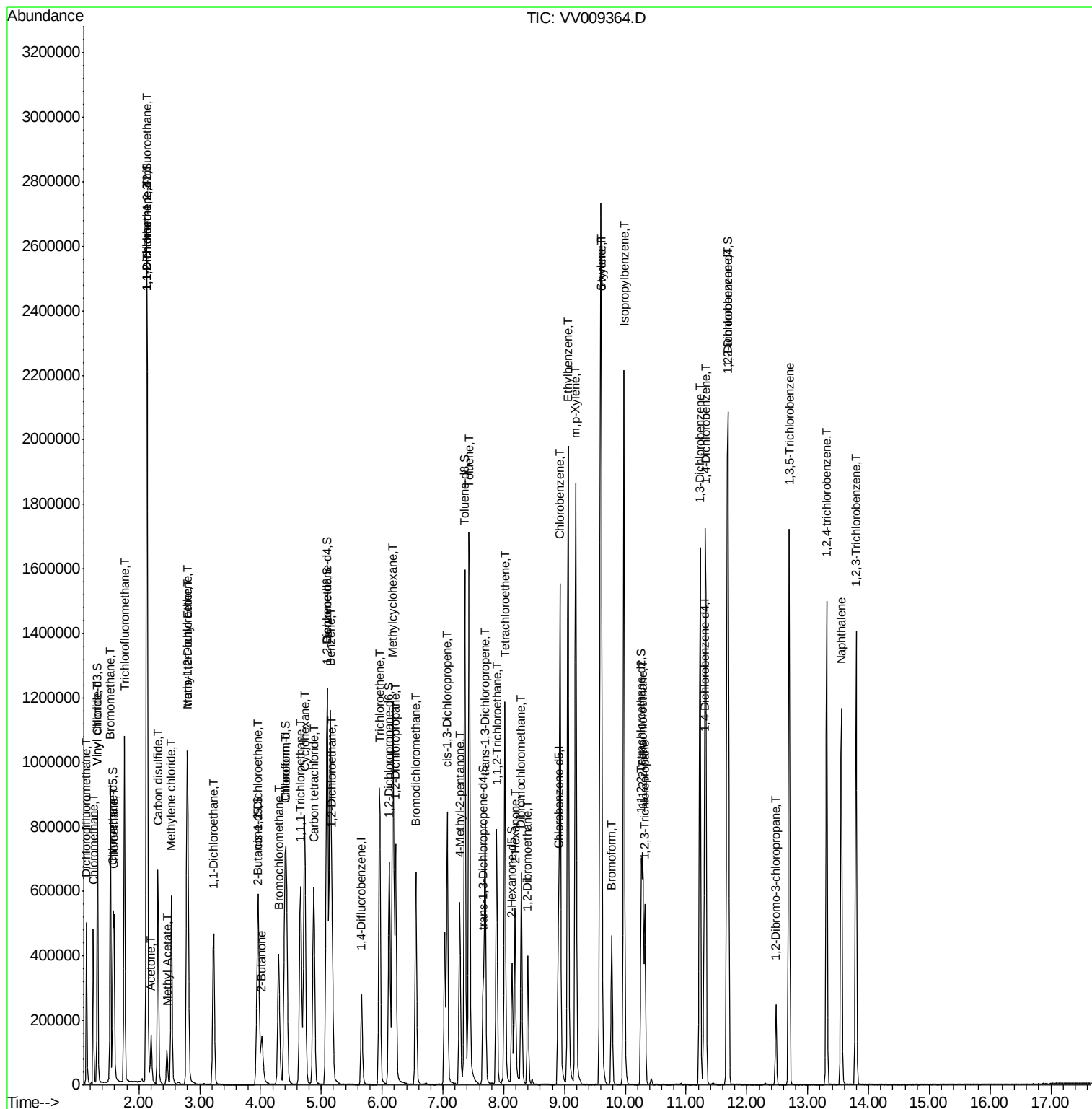
(#) = qualifier out of range (m) = manual integration (+) = signals summed

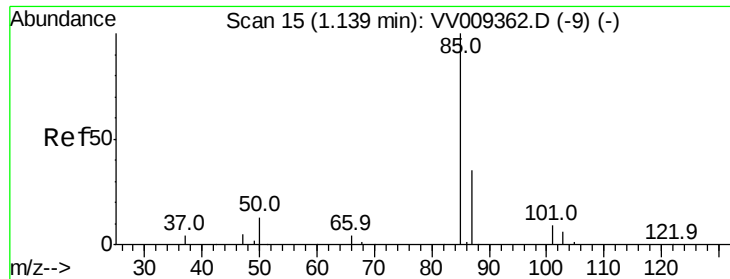
Data File : VV009364.D

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#2

Dichlorodifluoromethane

Concen: 92.252 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

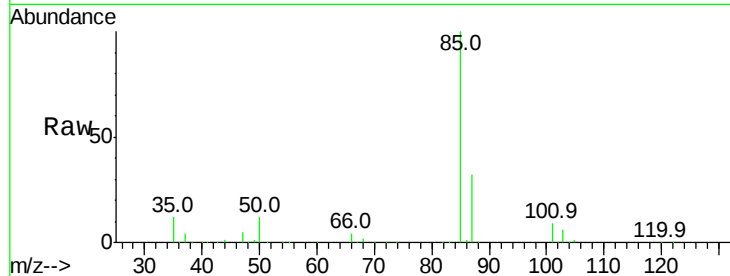
VSTD10085

Tgt Ion: 85 Resp: 257825

Ion Ratio Lower Upper

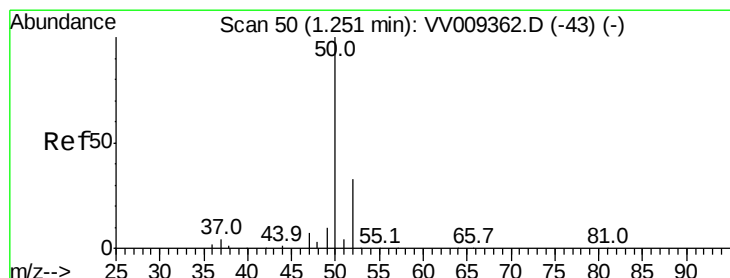
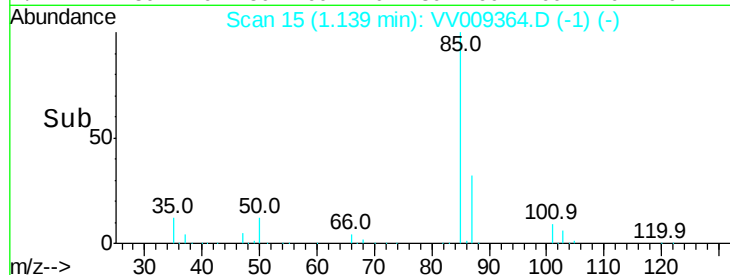
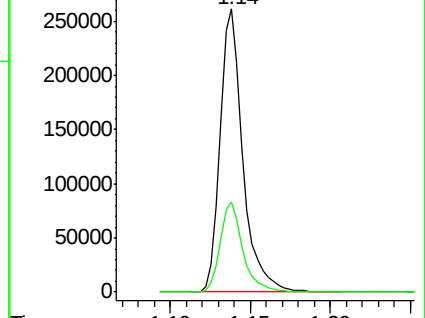
85 100

87 31.8 24.2 45.0



Abundance Ion 85.00 (84.70 to 85.70): VV009362.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV009362.D (-9) (-)



#3

Chloromethane

Concen: 75.836 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009364.D

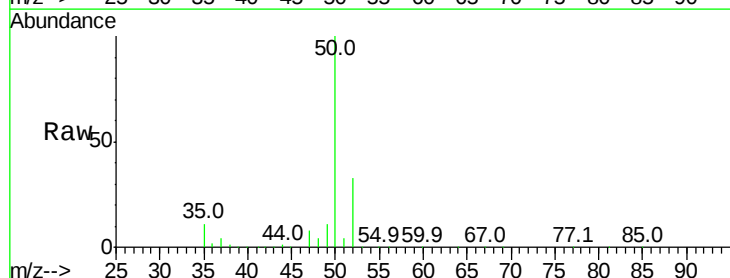
Acq: 26 Feb 2019 11:53

Tgt Ion: 50 Resp: 258937

Ion Ratio Lower Upper

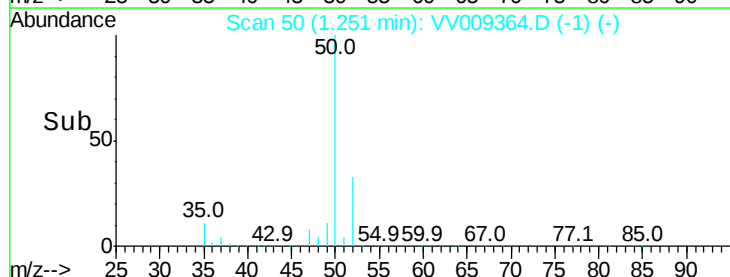
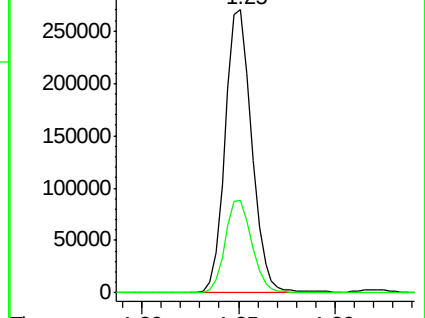
50 100

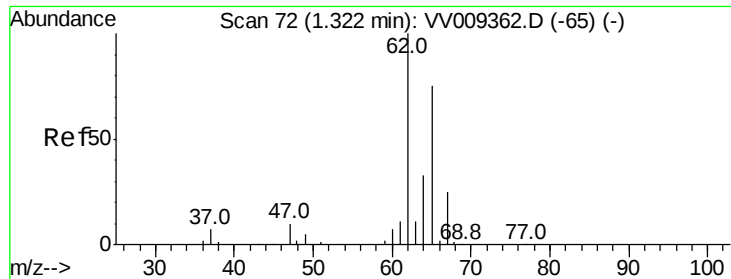
52 32.9 22.3 41.5



Abundance Ion 50.00 (49.70 to 50.70): VV009362.D (-43) (-)

Ion 52.00 (51.70 to 52.70): VV009362.D (-43) (-)





#5

Vinyl chloride

Concen: 74.887 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

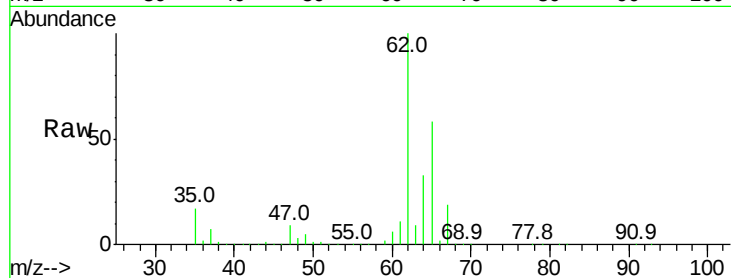
VSTD10085

Tgt Ion: 62 Resp: 289961

Ion Ratio Lower Upper

62 100

64 33.3 24.3 45.1



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0

1.32

300000

250000

200000

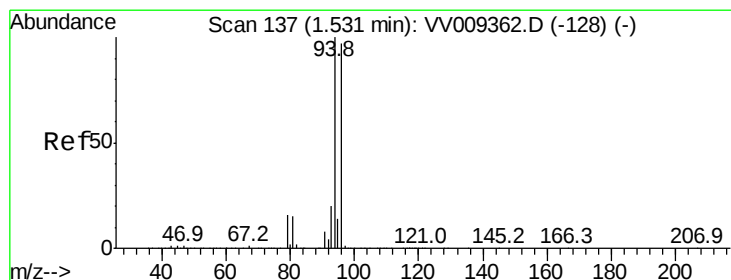
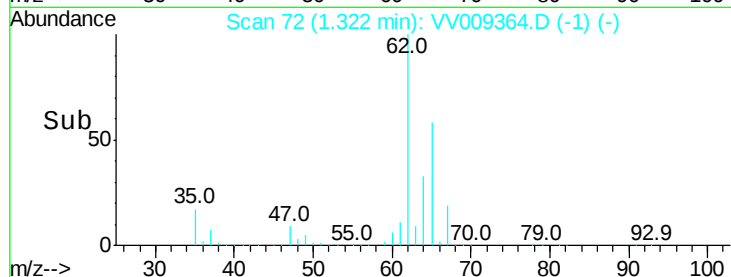
150000

100000

50000

0

Time--> 1.25 1.30 1.35 1.40



#6

Bromomethane

Concen: 91.215 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.00 min

Lab File: VV009364.D

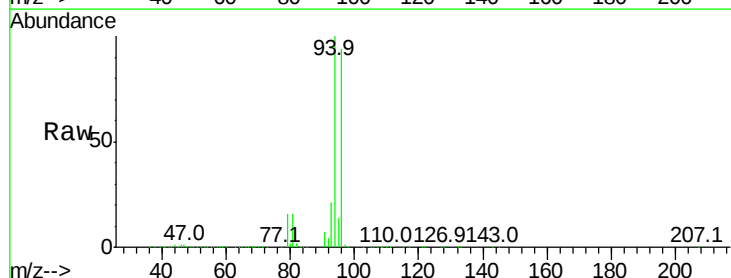
Acq: 26 Feb 2019 11:53

Tgt Ion: 94 Resp: 328676

Ion Ratio Lower Upper

94 100

96 94.1 9.4 178.6



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

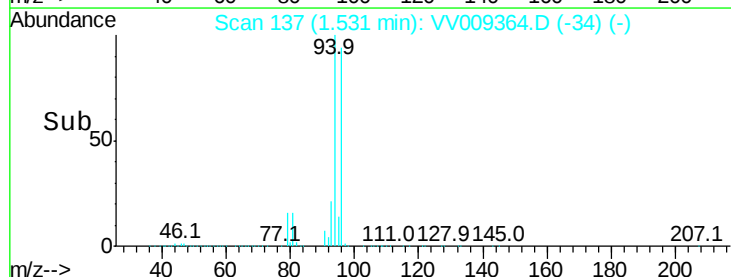
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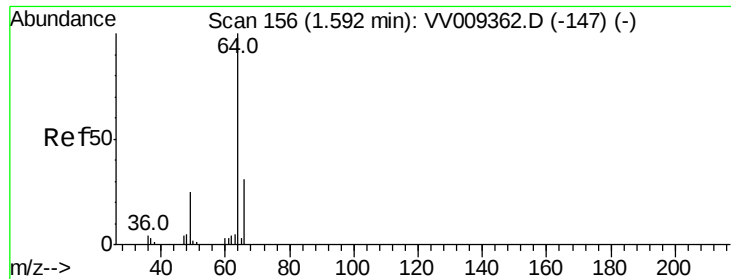
200000

100000

0

Time--> 1.50 1.55 1.60





#8

Chloroethane

Concen: 74.890 ug/L

RT: 1.59 min Scan# 155

Delta R.T. -0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

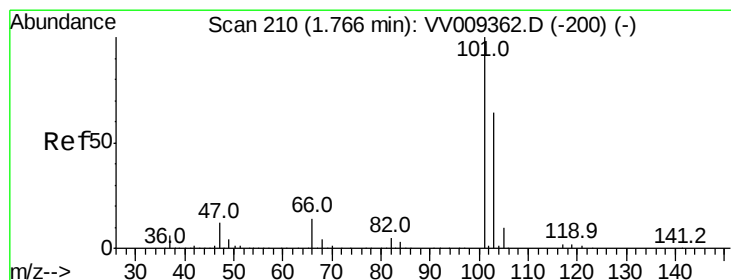
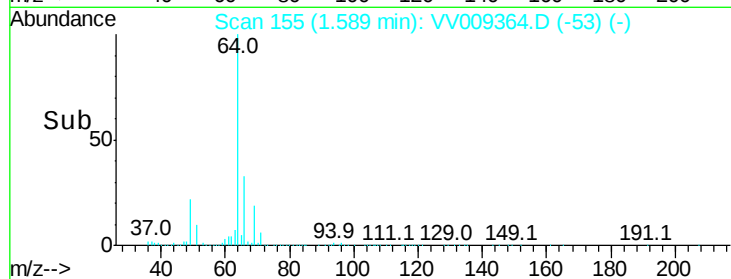
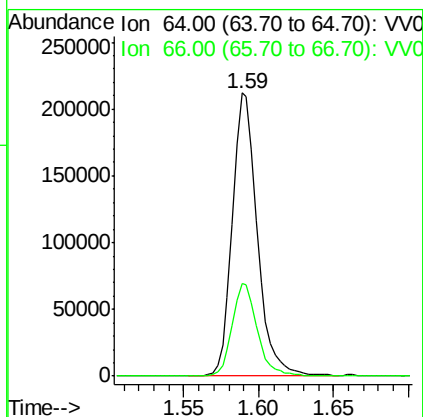
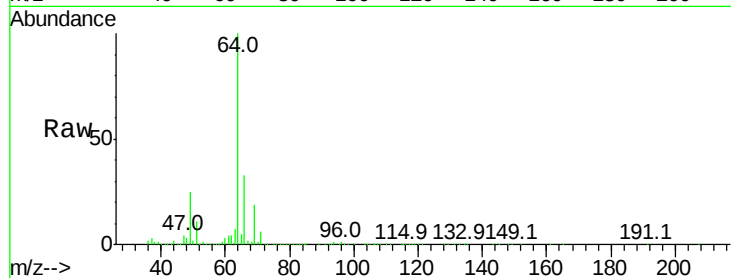
VSTD10085

Tgt Ion: 64 Resp: 244763

Ion Ratio Lower Upper

64 100

66 32.6 22.9 42.5



#9

Trichlorofluoromethane

Concen: 79.221 ug/L

RT: 1.76 min Scan# 209

Delta R.T. -0.00 min

Lab File: VV009364.D

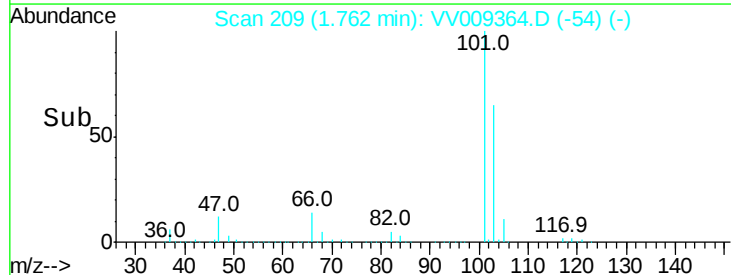
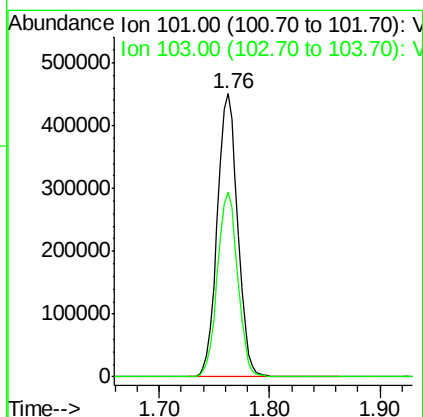
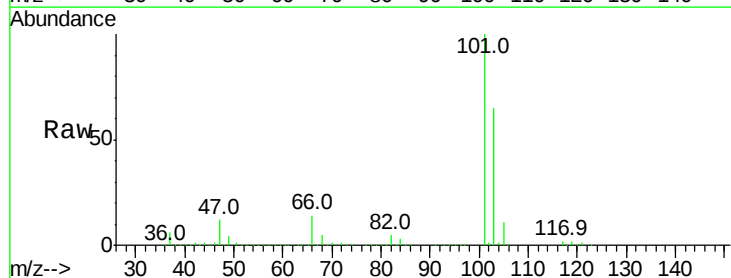
Acq: 26 Feb 2019 11:53

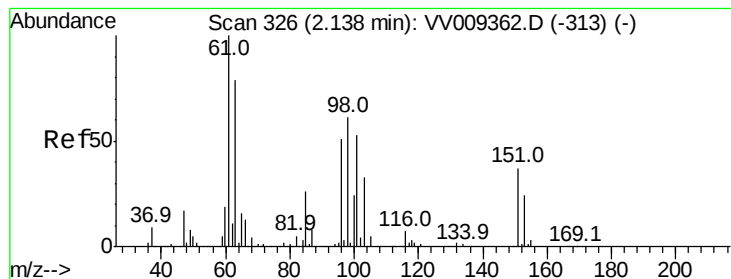
Tgt Ion: 101 Resp: 577488

Ion Ratio Lower Upper

101 100

103 64.8 45.4 84.4





#11

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

Concen: 77.445 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

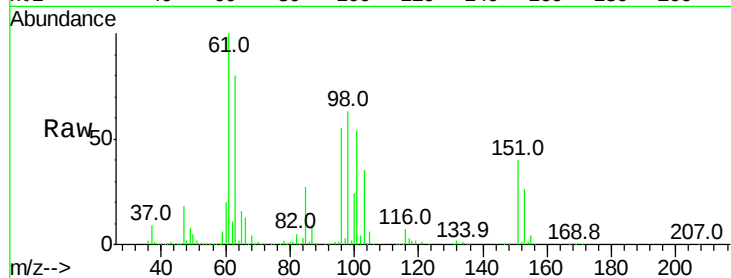
Tgt Ion: 101 Resp: 322846

Ion Ratio Lower Upper

101 100

85 50.1 39.1 58.7

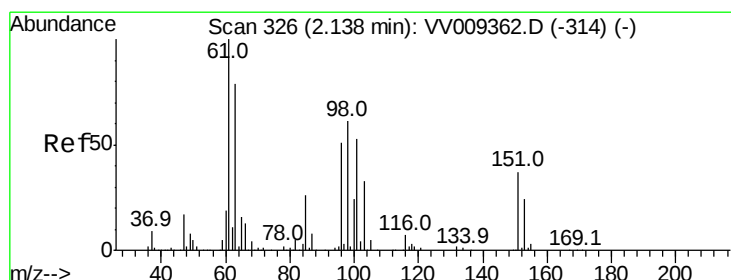
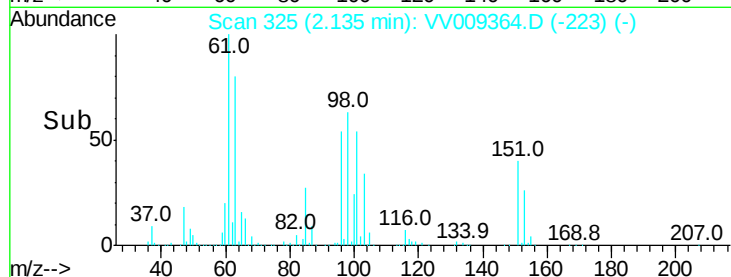
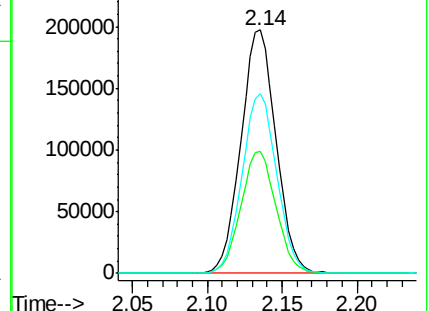
151 73.2 58.5 87.7



Abundance Ion 101.00 (100.70 to 101.70): VV009362.D (-313) (-)

Ion 85.00 (84.70 to 85.70): VV009362.D (-313) (-)

Ion 151.00 (150.70 to 151.70): VV009362.D (-313) (-)



#12

1,1-Dichloroethene

Concen: 78.851 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

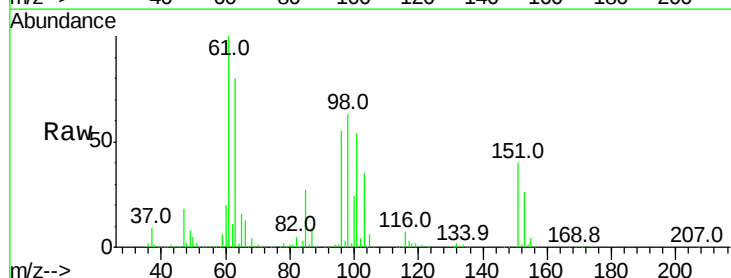
Tgt Ion: 96 Resp: 277010

Ion Ratio Lower Upper

96 100

61 183.2 123.3 228.9

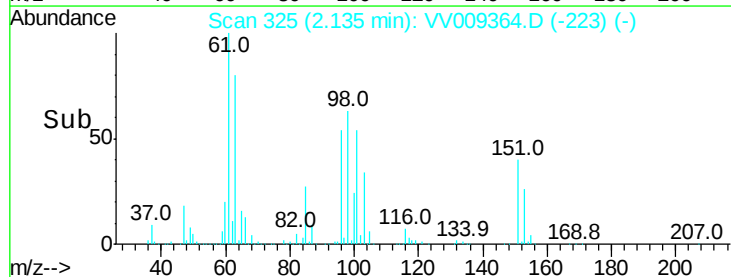
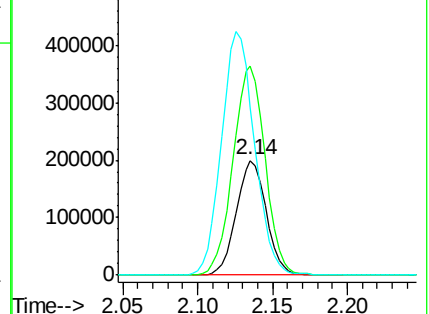
63 147.5 88.4 164.2

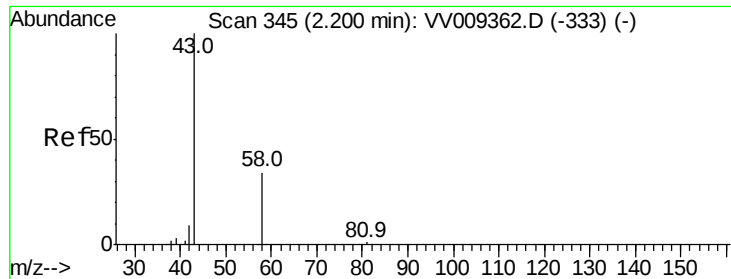


Abundance Ion 96.00 (95.70 to 96.70): VV009362.D (-314) (-)

Ion 61.00 (60.70 to 61.70): VV009362.D (-314) (-)

Ion 63.00 (62.70 to 63.70): VV009362.D (-314) (-)





#13

Acetone

Concen: 153.488 ug/L

RT: 2.20 min Scan# 345

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

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ClientSampleId :

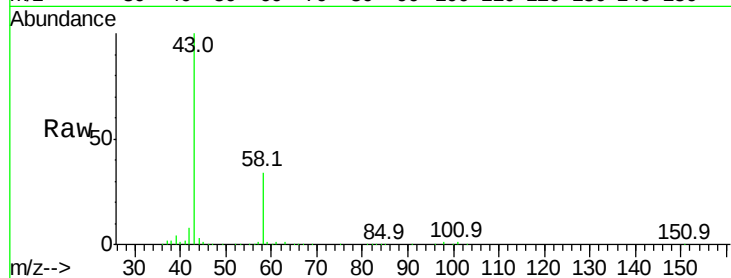
VSTD10085

Tgt Ion: 43 Resp: 167274

Ion Ratio Lower Upper

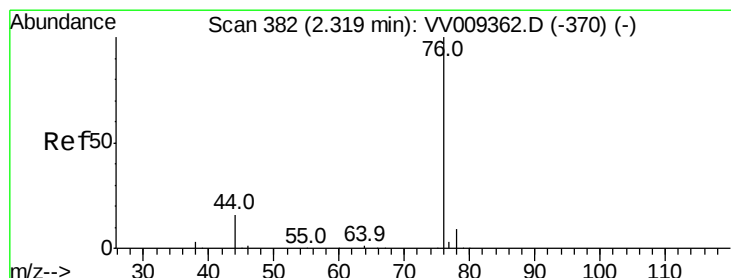
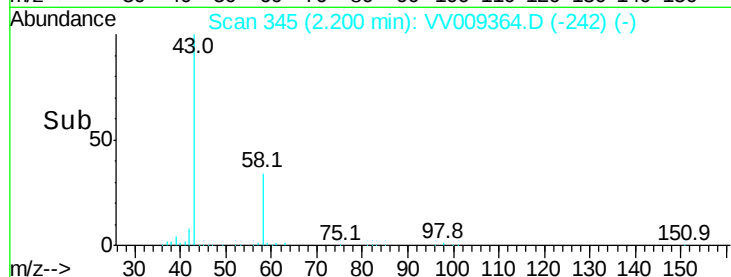
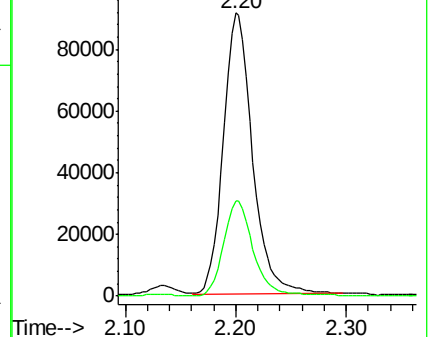
43 100

58 34.0 0.0 72.0



Abundance Ion 43.00 (42.70 to 43.70): VV009364.D (-242) (-)

Ion 58.00 (57.70 to 58.70): VV009364.D (-242) (-)



#14

Carbon disulfide

Concen: 78.883 ug/L

RT: 2.32 min Scan# 381

Delta R.T. -0.00 min

Lab File: VV009364.D

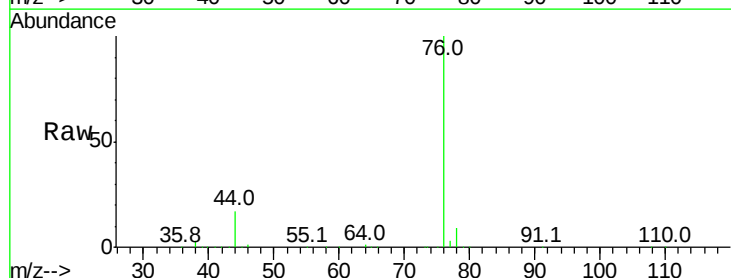
Acq: 26 Feb 2019 11:53

Tgt Ion: 76 Resp: 741553

Ion Ratio Lower Upper

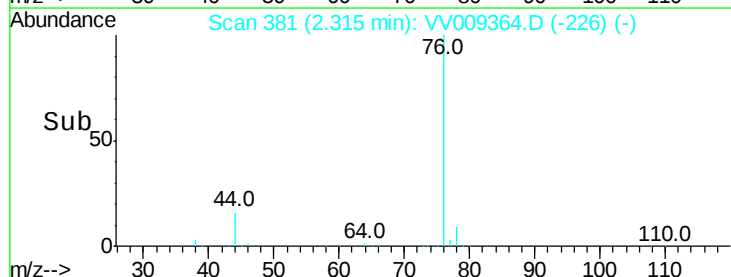
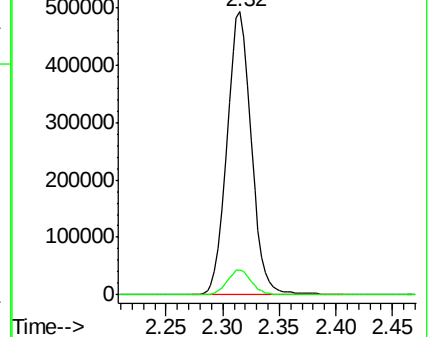
76 100

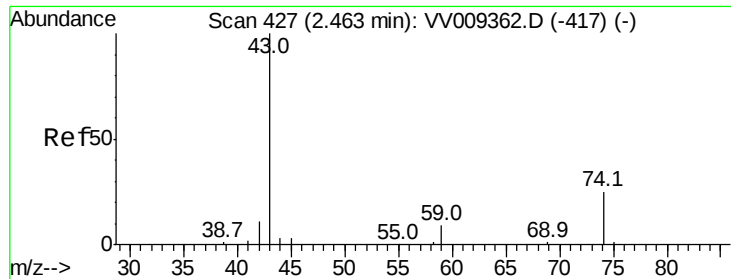
78 8.9 6.9 10.3



Abundance Ion 76.00 (75.70 to 76.70): VV009364.D (-226) (-)

Ion 78.00 (77.70 to 78.70): VV009364.D (-226) (-)

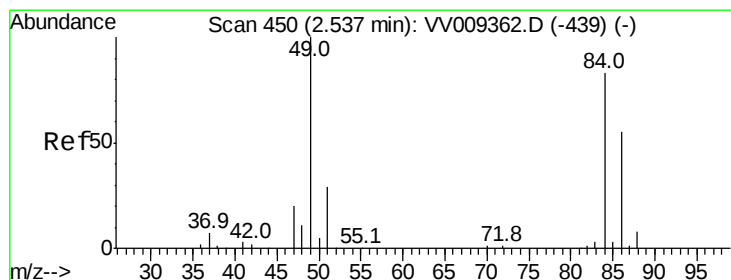
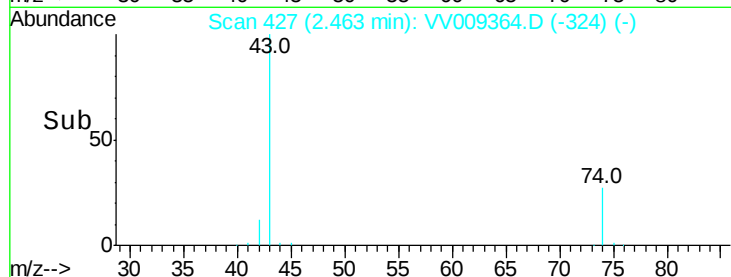
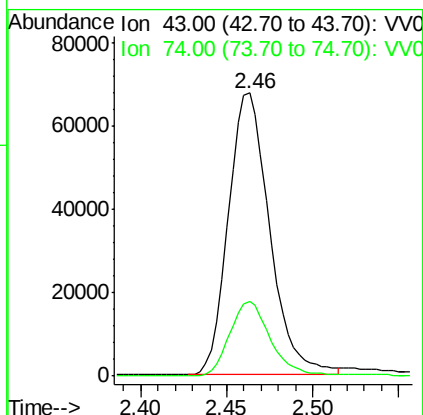
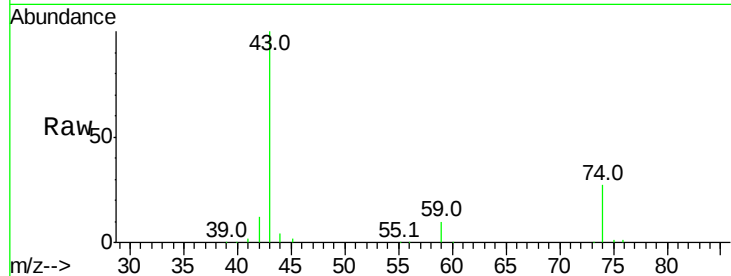




#15
Methyl Acetate
Concen: 70.960 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

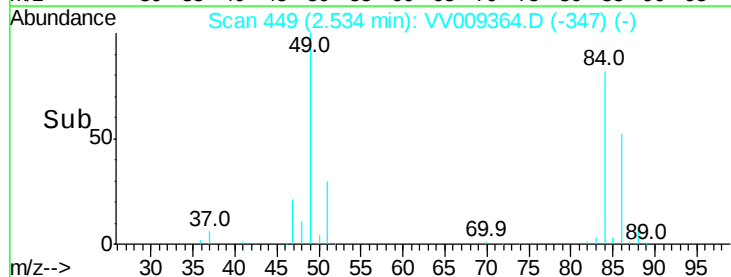
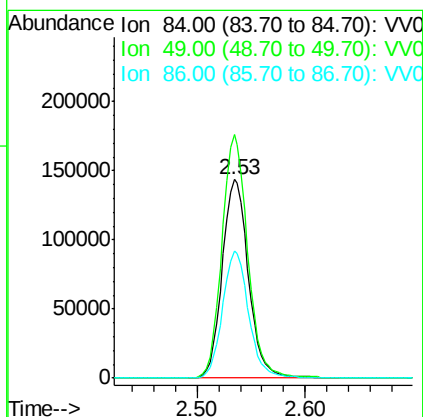
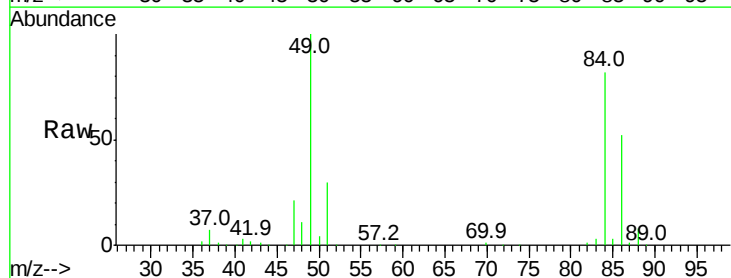
Instrument :
MSVOA_V
ClientSampleId :
VSTD10085

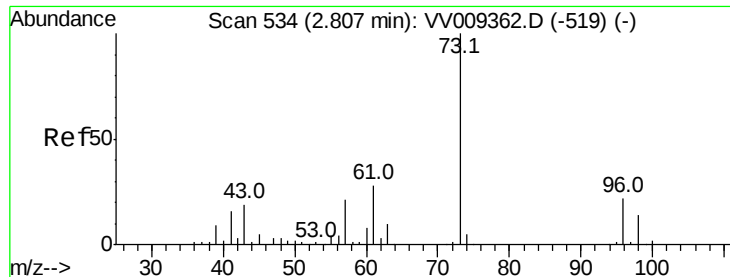
Tgt Ion: 43 Resp: 112762
Ion Ratio Lower Upper
43 100
74 26.3 21.8 32.6



#16
Methylene chloride
Concen: 67.414 ug/L
RT: 2.53 min Scan# 449
Delta R.T. -0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

Tgt Ion: 84 Resp: 244175
Ion Ratio Lower Upper
84 100
49 122.6 78.7 146.1
86 63.8 44.0 81.6





#17

Methyl tert-butyl Ether

Concen: 84.546 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

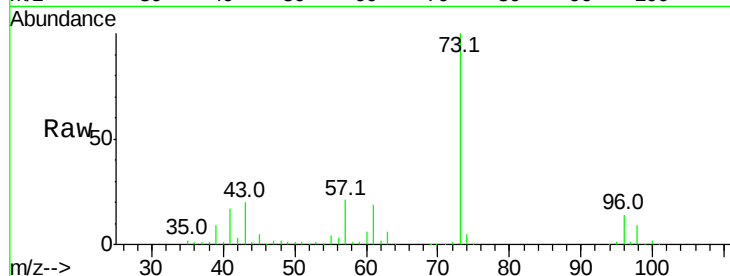
Tgt Ion: 73 Resp: 657913

Ion Ratio Lower Upper

73 100

43 19.2 14.0 21.0

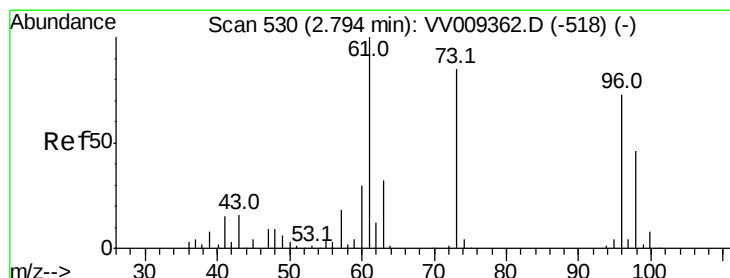
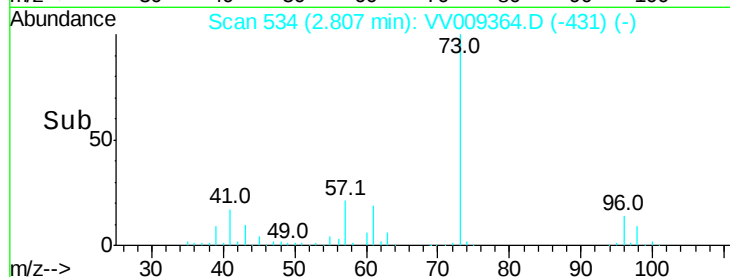
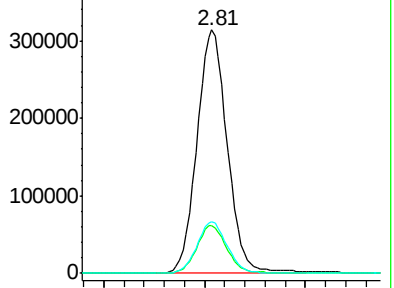
57 21.1 17.0 25.4



Abundance Ion 73.00 (72.70 to 73.70): VV009362.D (-519) (-)

Ion 43.00 (42.70 to 43.70): VV009362.D (-519) (-)

Ion 57.00 (56.70 to 57.70): VV009362.D (-519) (-)



#18

trans-1,2-Dichloroethene

Concen: 79.812 ug/L

RT: 2.79 min Scan# 528

Delta R.T. -0.01 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

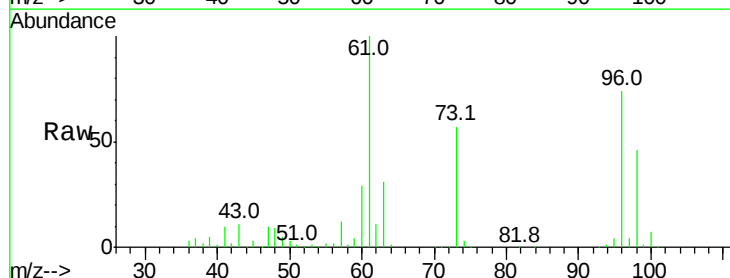
Tgt Ion: 96 Resp: 252592

Ion Ratio Lower Upper

96 100

61 135.4 88.8 165.0

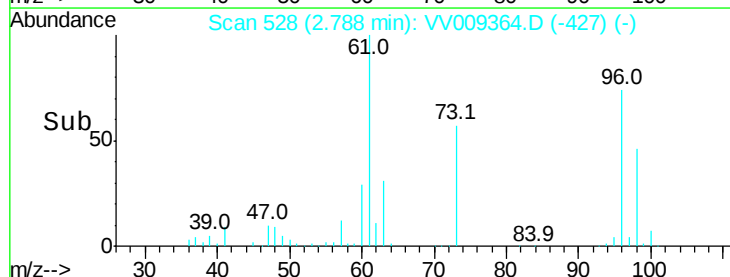
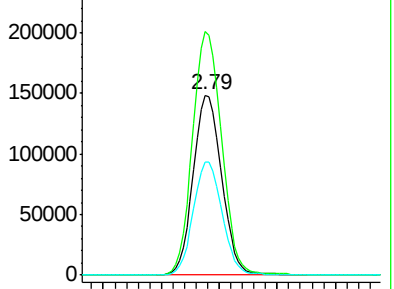
98 62.8 43.0 79.8

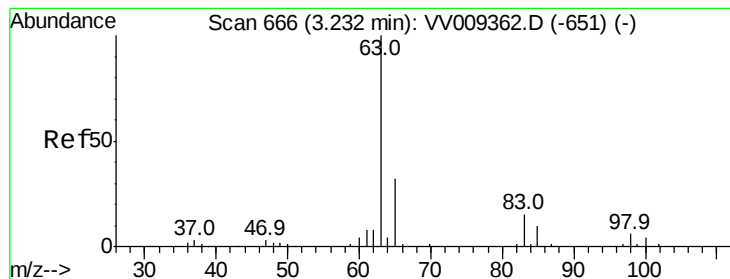


Abundance Ion 96.00 (95.70 to 96.70): VV009364.D (-427) (-)

Ion 61.00 (60.70 to 61.70): VV009364.D (-427) (-)

Ion 98.00 (97.70 to 98.70): VV009364.D (-427) (-)





#19

1,1-Dichloroethane

Concen: 87.850 ug/L

RT: 3.23 min Scan# 665

Delta R.T. -0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

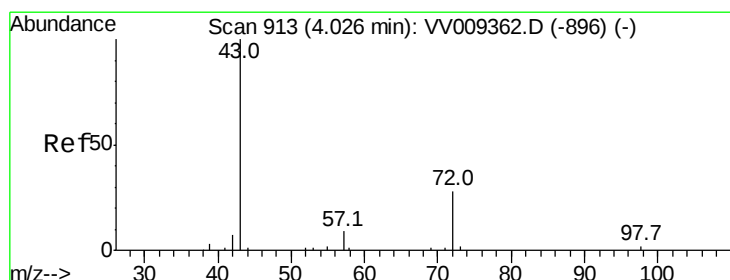
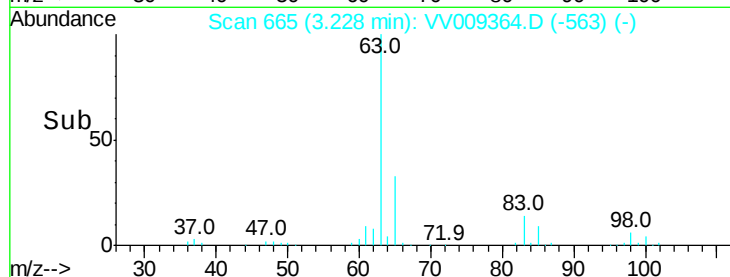
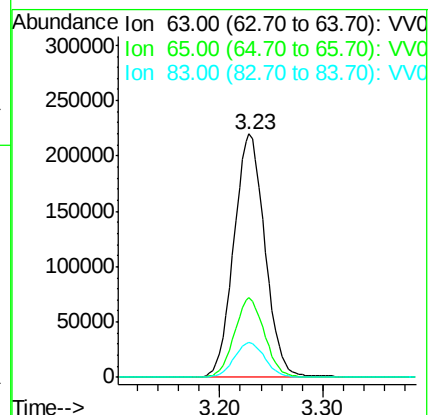
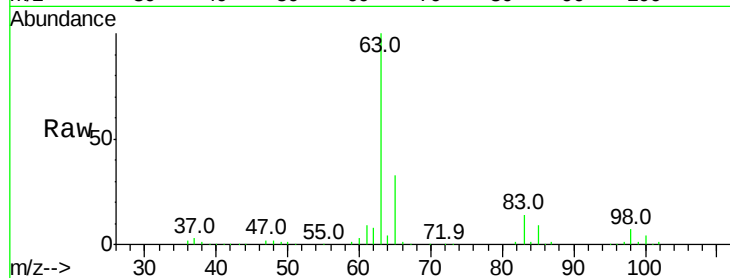
Tgt Ion: 63 Resp: 461804

Ion Ratio Lower Upper

63 100

65 32.5 21.6 40.2

83 14.3 10.1 18.9



#21

2-Butanone

Concen: 183.119 ug/L

RT: 4.02 min Scan# 912

Delta R.T. -0.00 min

Lab File: VV009364.D

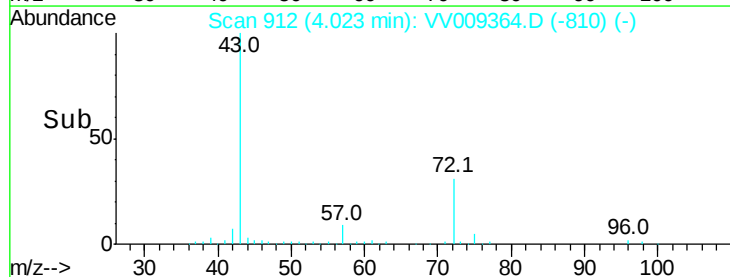
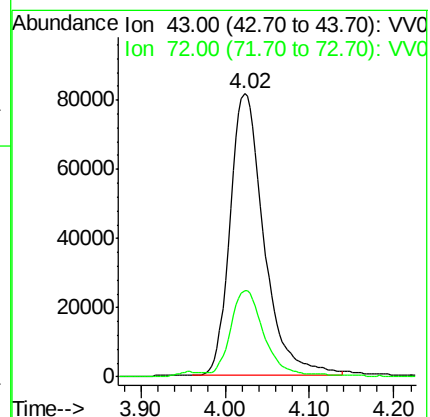
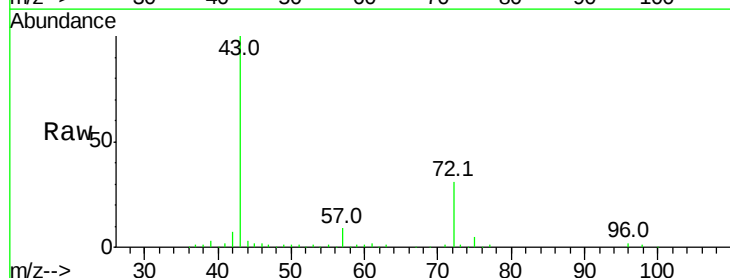
Acq: 26 Feb 2019 11:53

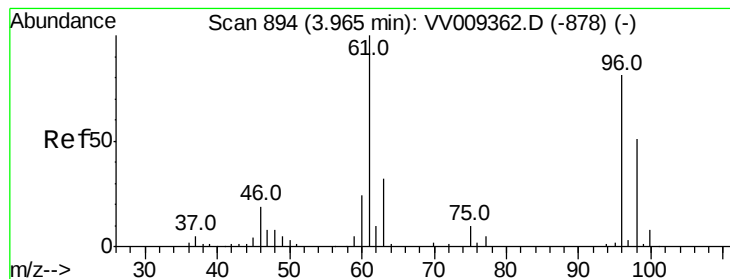
Tgt Ion: 43 Resp: 228627

Ion Ratio Lower Upper

43 100

72 28.9 15.4 46.2



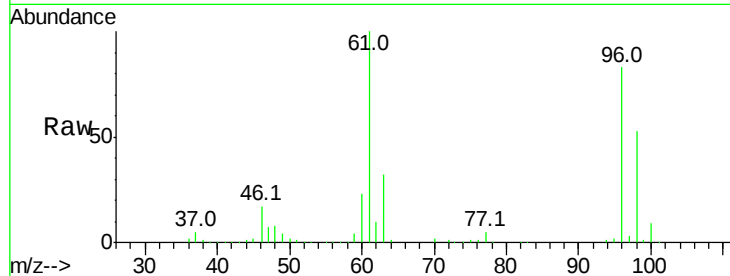


#22

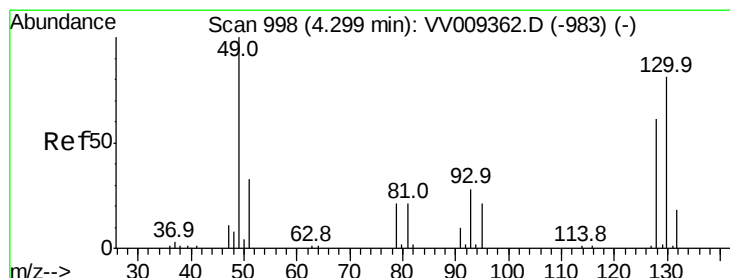
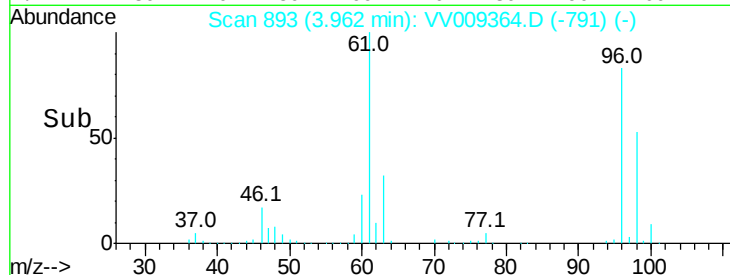
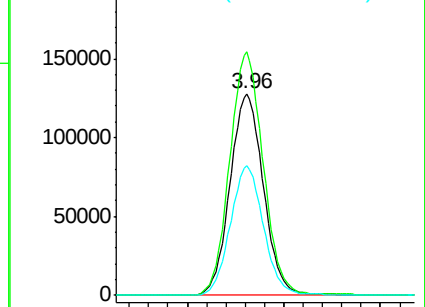
cis-1,2-Dichloroethene
Concen: 88.745 ug/L
RT: 3.96 min Scan# 893
Delta R.T. -0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10085

Tgt Ion: 96 Resp: 306815
Ion Ratio Lower Upper
96 100
61 120.6 86.2 160.0
98 64.0 46.8 87.0



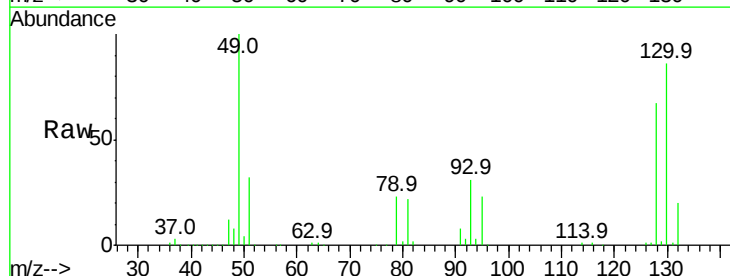
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.00 (60.70 to 61.70): VV0
Ion 98.00 (97.70 to 98.70): VV0



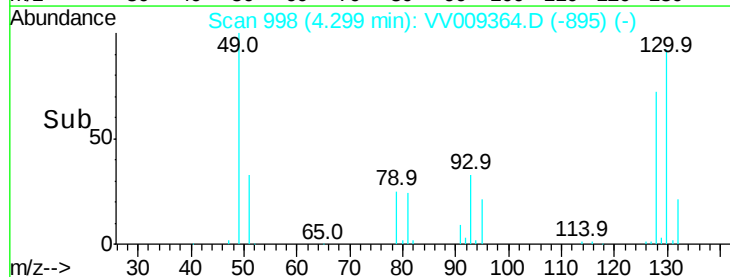
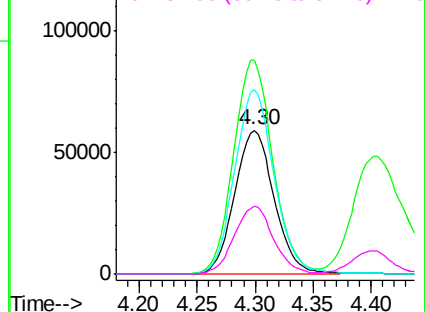
#23

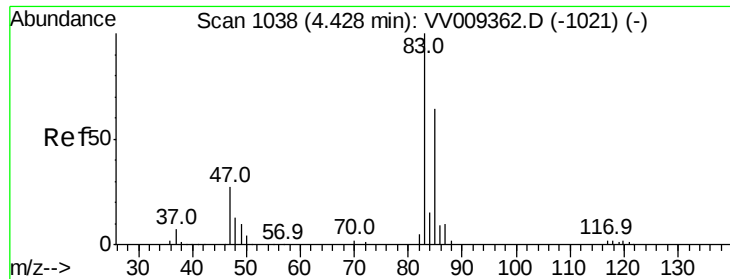
Bromochloromethane
Concen: 88.733 ug/L
RT: 4.30 min Scan# 998
Delta R.T. 0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

Tgt Ion: 128 Resp: 140394
Ion Ratio Lower Upper
128 100
49 148.5 103.0 191.4
130 128.4 93.3 173.3
51 46.8 36.5 54.7



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: 92.988 ug/L

RT: 4.43 min Scan# 1038

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

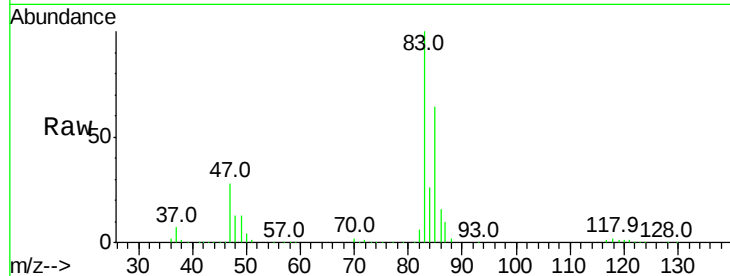
VSTD10085

Tgt Ion: 83 Resp: 520147

Ion Ratio Lower Upper

83 100

85 65.3 47.5 88.3



Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

250000

200000

150000

100000

50000

0

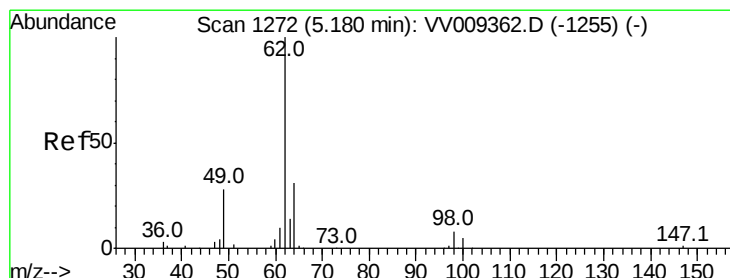
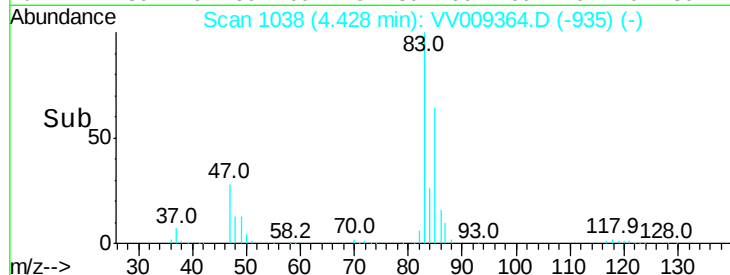
4.30

4.40

4.50

4.60

Time-->



#27

1,2-Dichloroethane

Concen: 98.242 ug/L

RT: 5.18 min Scan# 1272

Delta R.T. 0.00 min

Lab File: VV009364.D

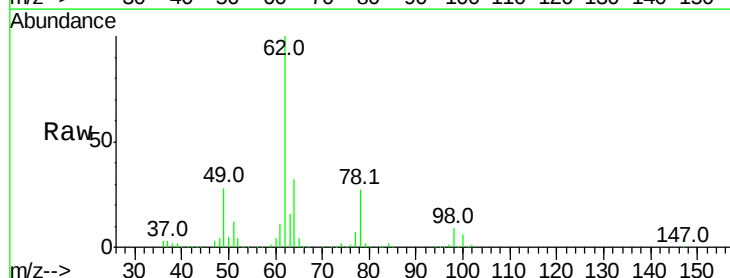
Acq: 26 Feb 2019 11:53

Tgt Ion: 62 Resp: 372121

Ion Ratio Lower Upper

62 100

98 9.0 8.5 12.7



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

200000

150000

100000

50000

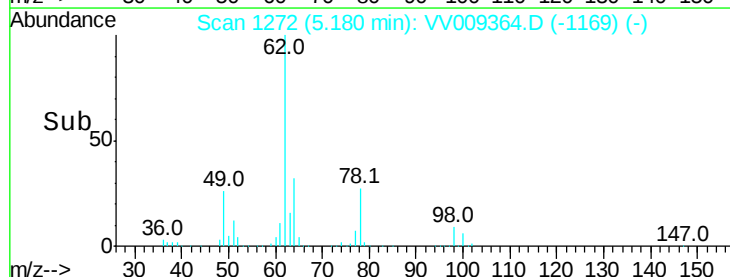
0

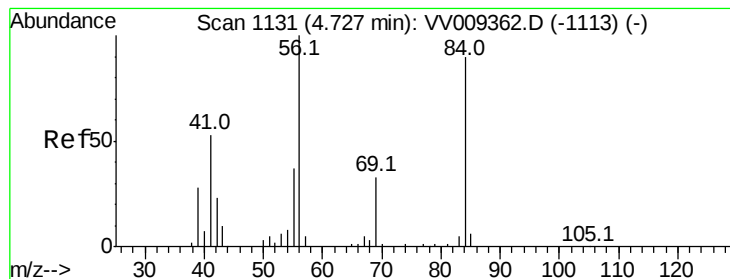
5.10

5.20

5.30

Time-->





#30

Cyclohexane

Concen: 86.309 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10085

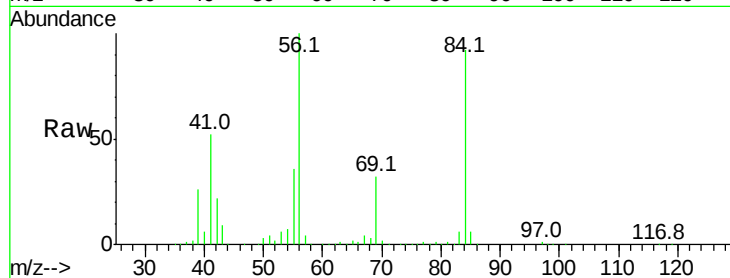
Tgt Ion: 56 Resp: 467026

Ion Ratio Lower Upper

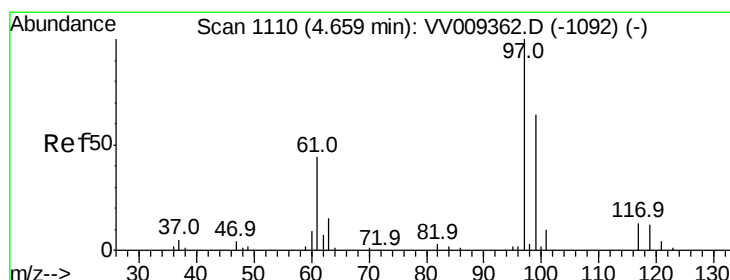
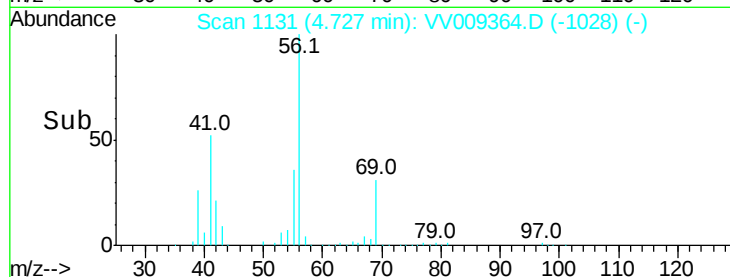
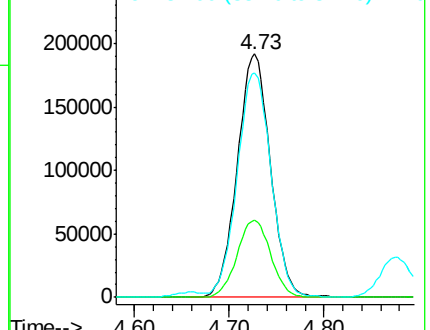
56 100

69 32.2 25.7 38.5

84 93.6 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: 94.659 ug/L

RT: 4.66 min Scan# 1110

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

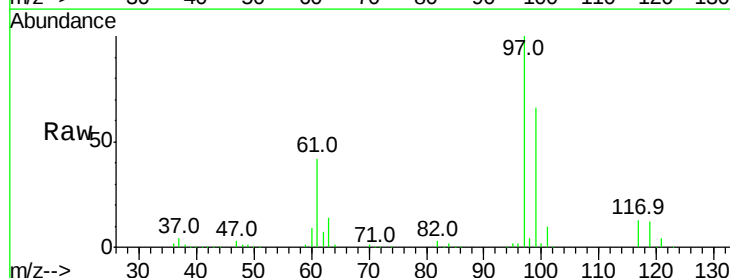
Tgt Ion: 97 Resp: 499012

Ion Ratio Lower Upper

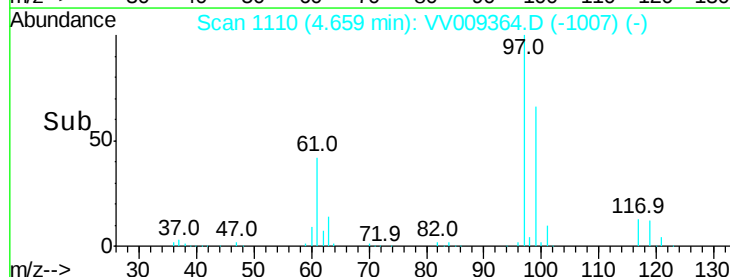
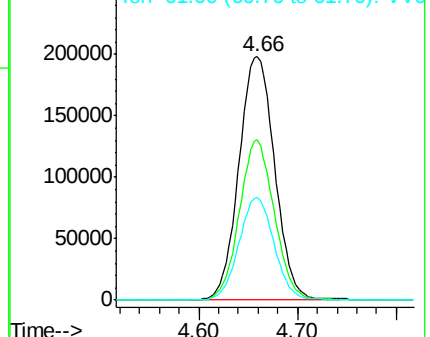
97 100

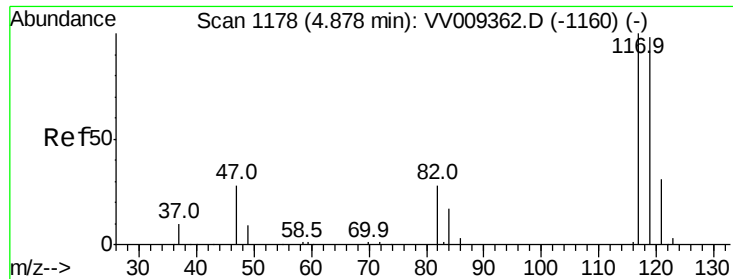
99 63.8 51.7 77.5

61 41.5 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: 99.839 ug/L

RT: 4.88 min Scan# 1178

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

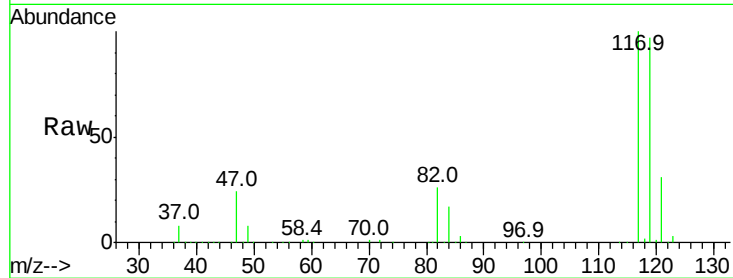
VSTD10085

Tgt Ion:117 Resp: 444768

Ion Ratio Lower Upper

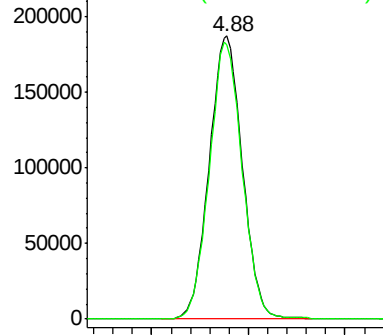
117 100

119 96.9 76.7 115.1

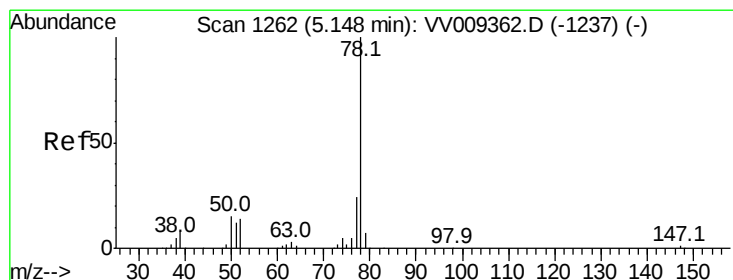
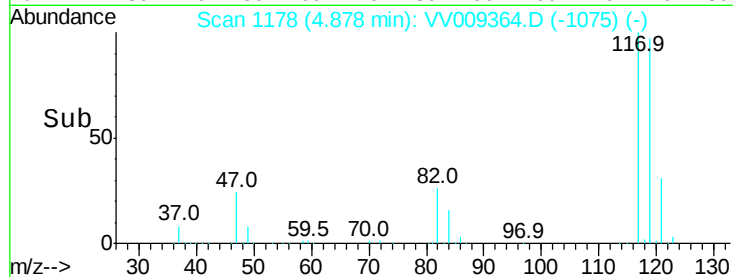


Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



Time-->



#34

Benzene

Concen: 88.950 ug/L

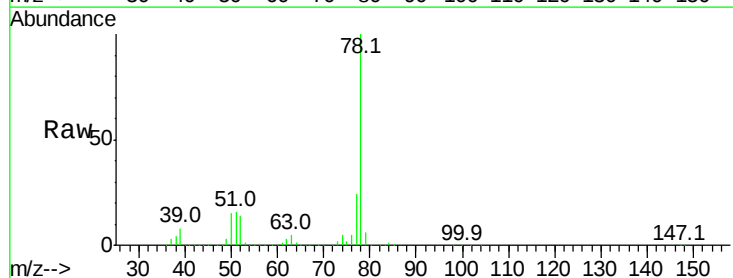
RT: 5.15 min Scan# 1262

Delta R.T. 0.00 min

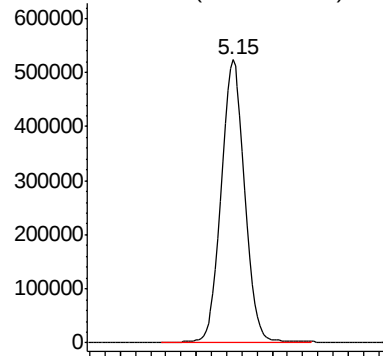
Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

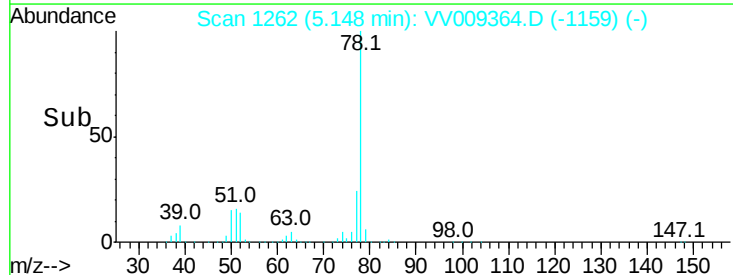
Tgt Ion: 78 Resp: 1135320

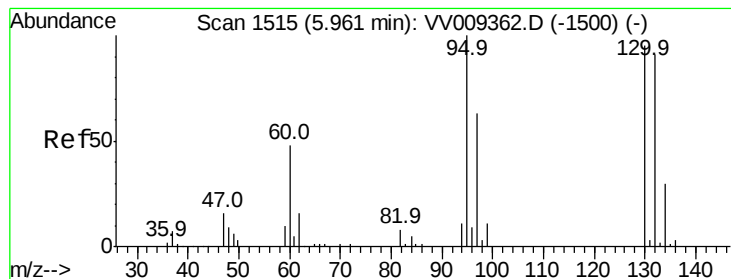


Abundance Ion 78.00 (77.70 to 78.70): VV0



Time-->





#35

Trichloroethene

Concen: 89.065 ug/L

RT: 5.96 min Scan# 1514

Delta R.T. -0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleID :

VSTD10085

Tgt Ion: 95 Resp: 316200

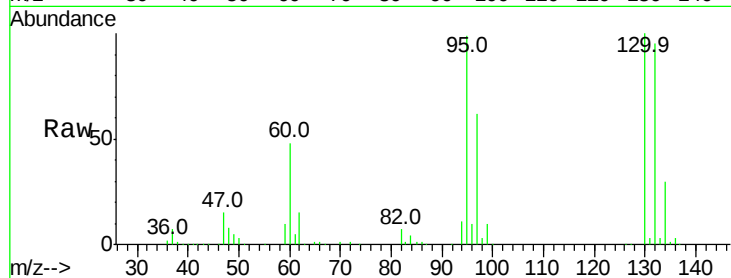
Ion Ratio Lower Upper

95 100

97 62.7 45.0 83.6

132 95.4 68.7 127.5

130 101.6 72.2 134.0

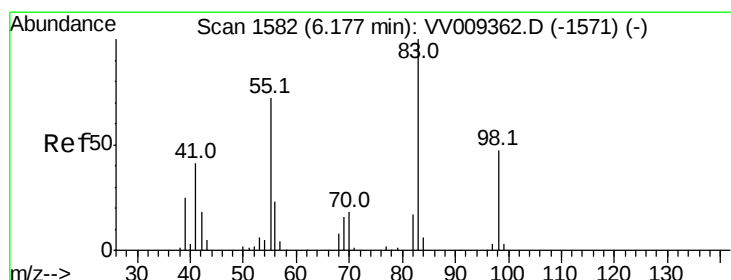
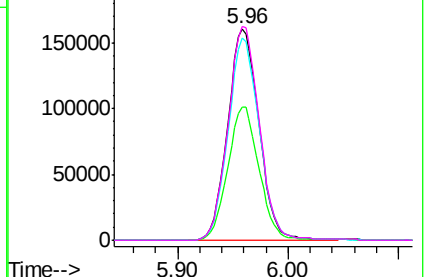
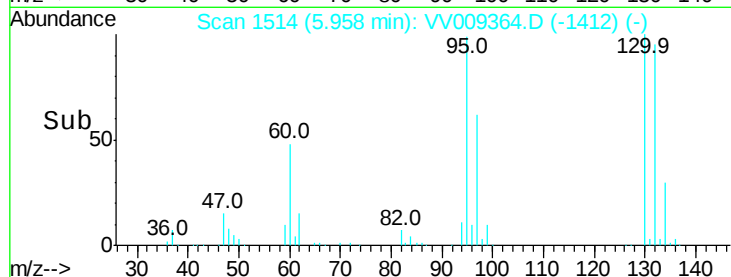


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#36

Methylcyclohexane

Concen: 86.095 ug/L

RT: 6.18 min Scan# 1582

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

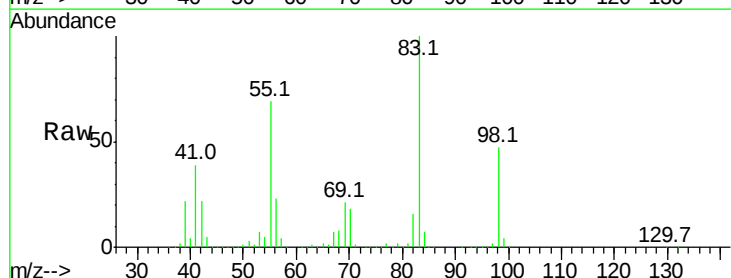
Tgt Ion: 83 Resp: 534634

Ion Ratio Lower Upper

83 100

55 69.6 55.8 83.6

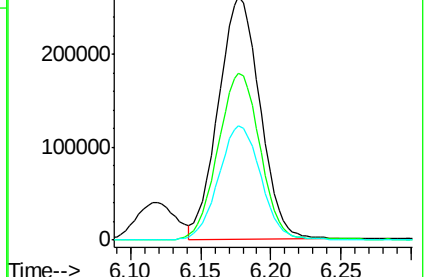
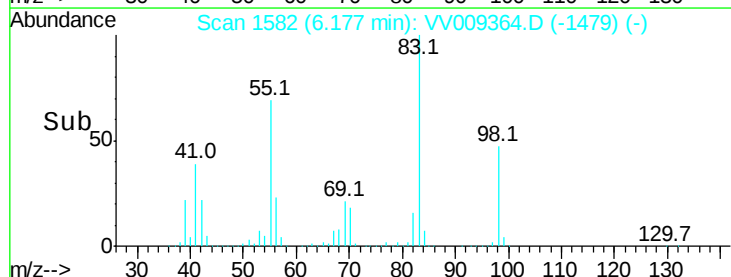
98 47.7 40.3 60.5

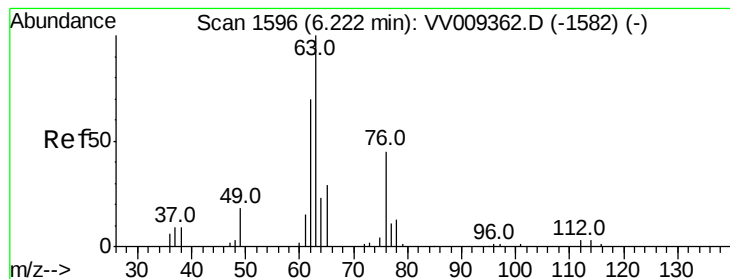


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#40

1,2-Dichloropropane

Concen: 92.735 ug/L

RT: 6.22 min Scan# 1596

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

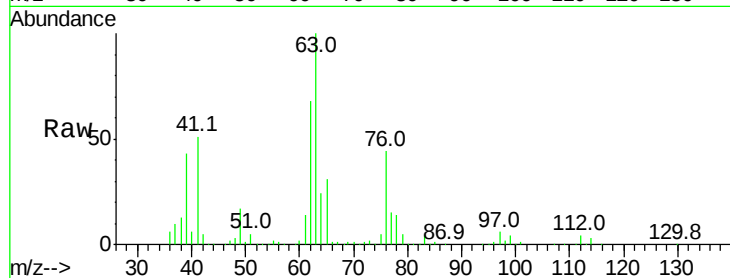
VSTD10085

Tgt Ion: 63 Resp: 287278

Ion Ratio Lower Upper

63 100

112 4.1 3.8 5.8



Abundance Ion 63.00 (62.70 to 63.70): VV009364.D (-1493) (-)

Ion 112.00 (111.70 to 112.70): VV009364.D (-1493) (-)

6.22

150000

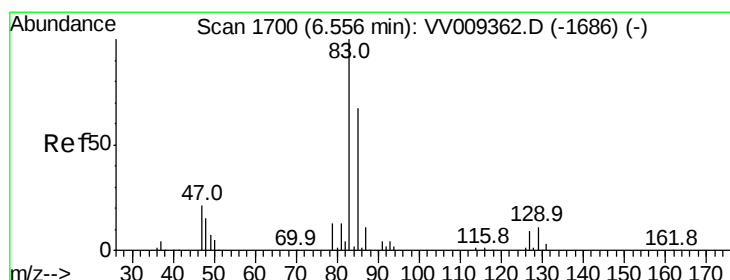
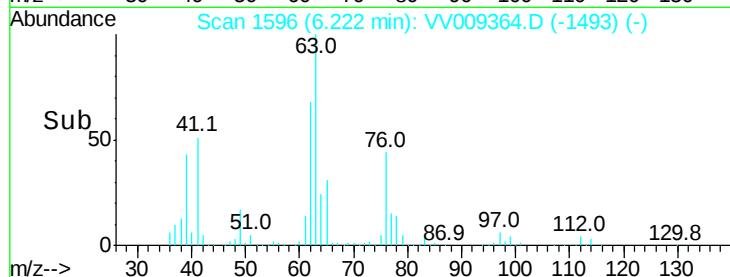
100000

50000

0

6.10 6.20 6.30

Time-->



#41

Bromodichloromethane

Concen: 95.045 ug/L

RT: 6.56 min Scan# 1700

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

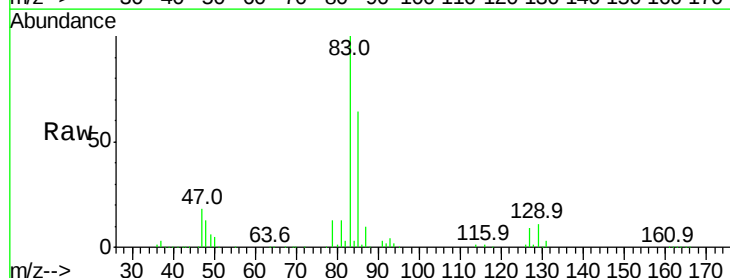
Tgt Ion: 83 Resp: 419324

Ion Ratio Lower Upper

83 100

85 63.6 44.9 83.5

127 9.2 6.3 9.5



Abundance Ion 83.00 (82.70 to 83.70): VV009364.D (-1597) (-)

Ion 85.00 (84.70 to 85.70): VV009364.D (-1597) (-)

Ion 127.00 (126.70 to 127.70): VV009364.D (-1597) (-)

6.56

300000

250000

200000

150000

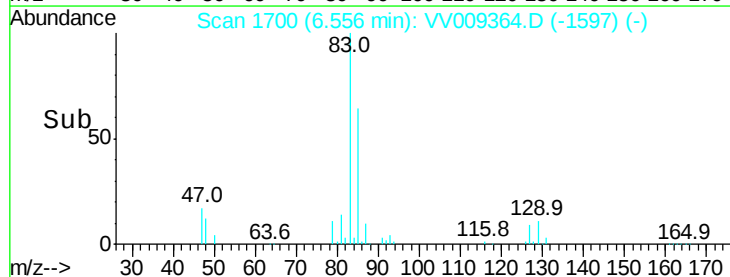
100000

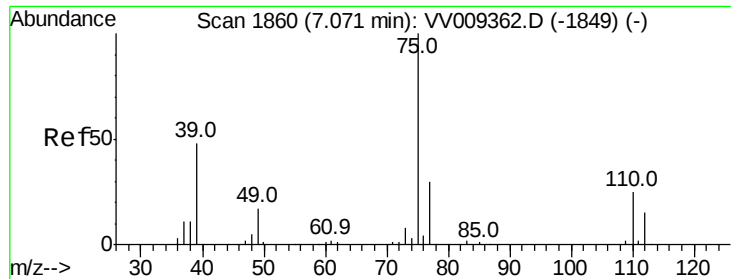
50000

0

6.45 6.50 6.55 6.60 6.65

Time-->



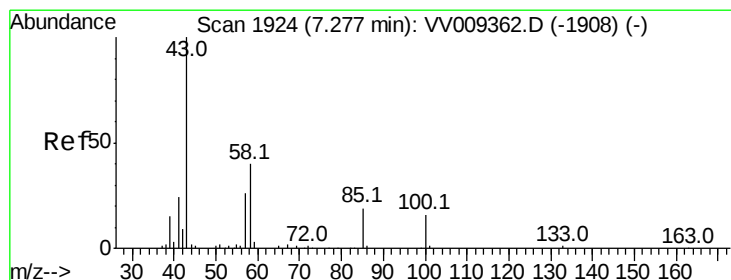
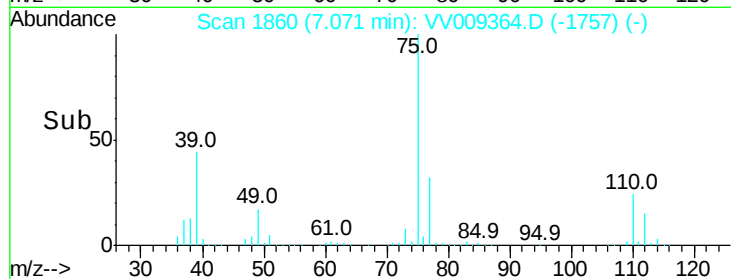
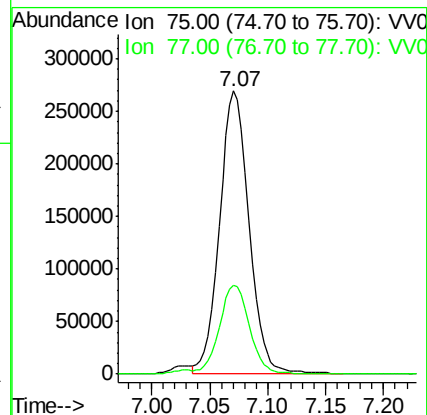
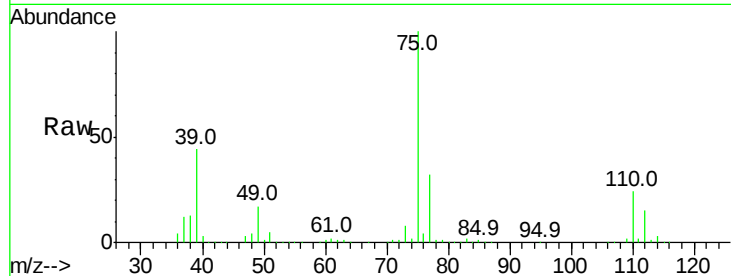


#42

cis-1,3-Dichloropropene
Concen: 90.293 ug/L
RT: 7.07 min Scan# 1860
Delta R.T. 0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

Instrument :
MSVOA_V
ClientSampleId :
VSTD10085

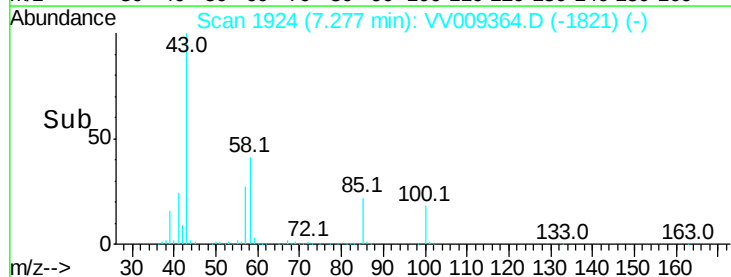
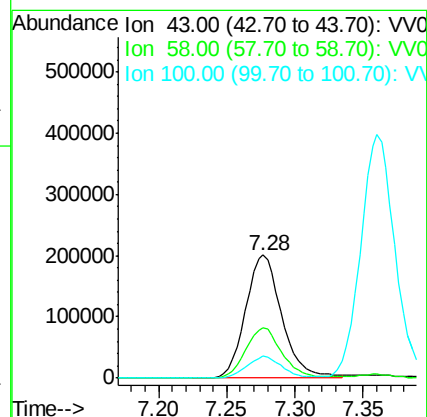
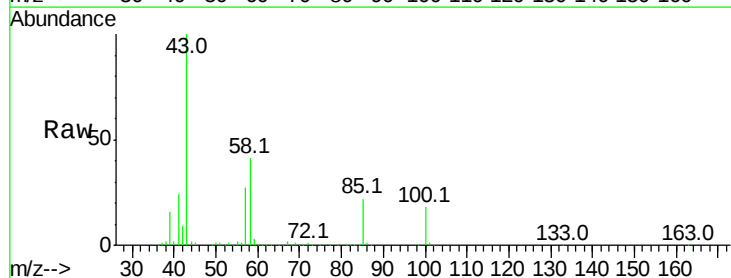
Tgt Ion: 75 Resp: 474698
Ion Ratio Lower Upper
75 100
77 31.5 22.0 40.8

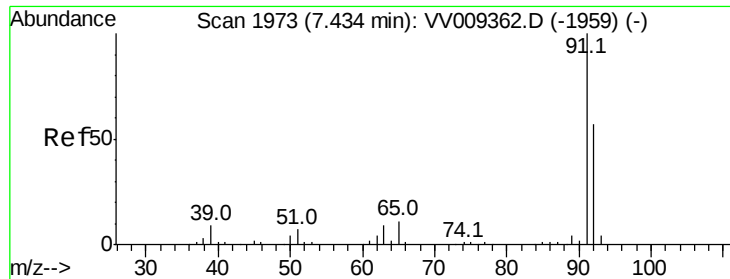


#43

4-Methyl-2-pentanone
Concen: 142.382 ug/L
RT: 7.28 min Scan# 1924
Delta R.T. 0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

Tgt Ion: 43 Resp: 370262
Ion Ratio Lower Upper
43 100
58 41.3 34.2 51.4
100 17.4 15.1 22.7





#44

Toluene

Concen: 92.646 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

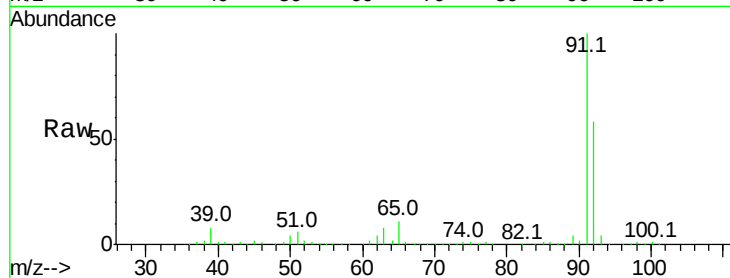
VSTD10085

Tgt Ion: 91 Resp: 1311513

Ion Ratio Lower Upper

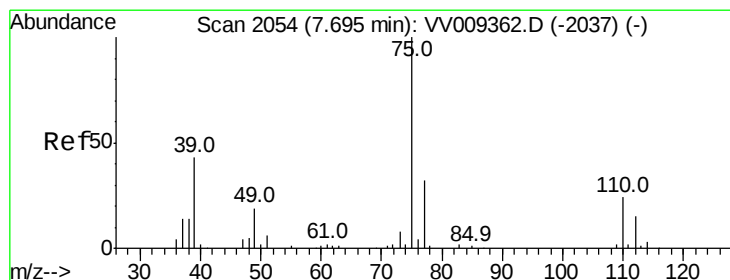
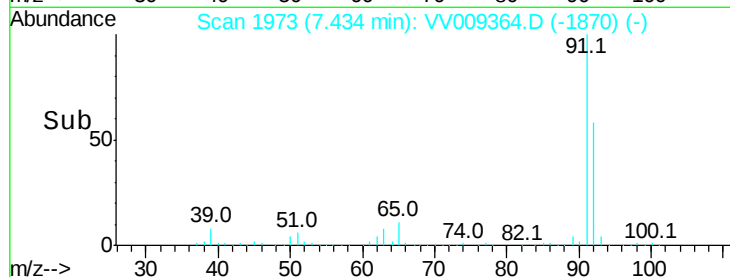
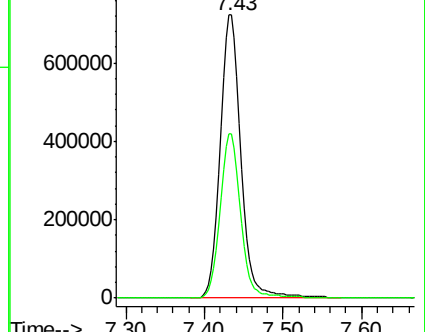
91 100

92 57.8 40.5 75.3



Abundance Ion 91.00 (90.70 to 91.70): VV009364.D (-1951) (-)

Ion 92.00 (91.70 to 92.70): VV009364.D (-1951) (-)



#45

trans-1,3-Dichloropropene

Concen: 96.091 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV009364.D

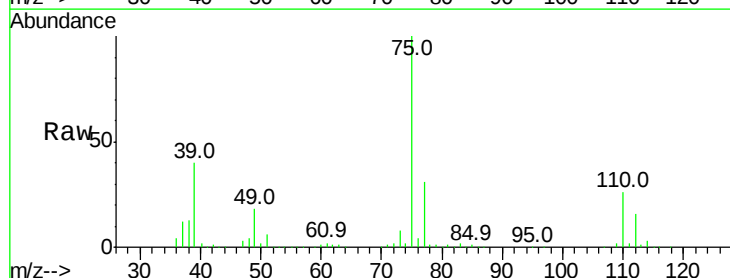
Acq: 26 Feb 2019 11:53

Tgt Ion: 75 Resp: 442370

Ion Ratio Lower Upper

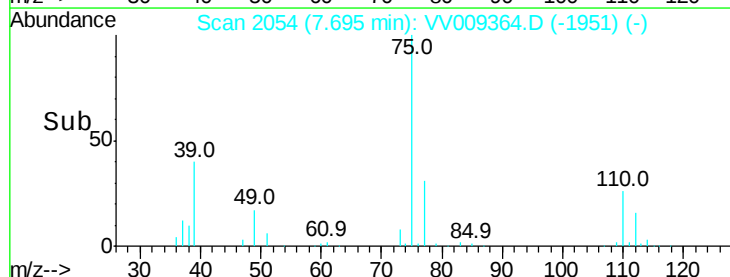
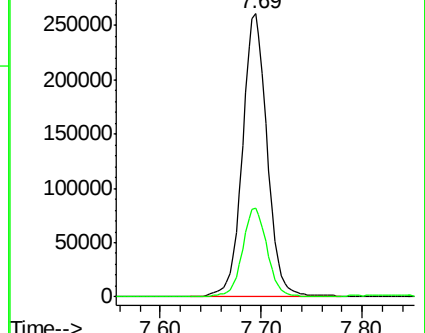
75 100

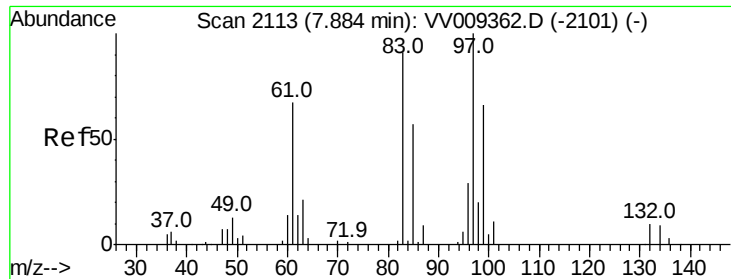
77 31.5 22.6 42.0



Abundance Ion 75.00 (74.70 to 75.70): VV009364.D (-1951) (-)

Ion 77.00 (76.70 to 77.70): VV009364.D (-1951) (-)

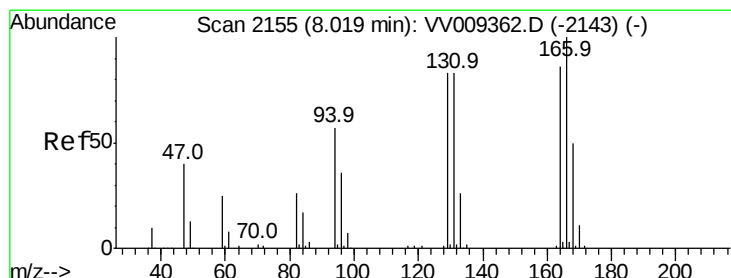
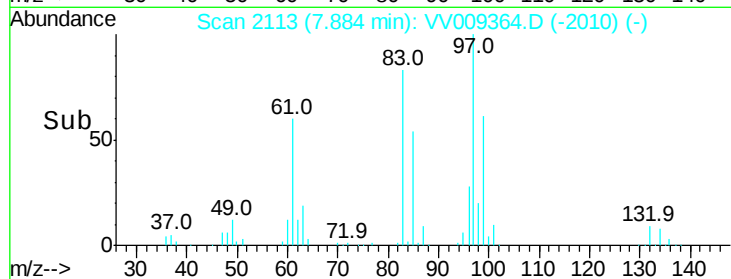
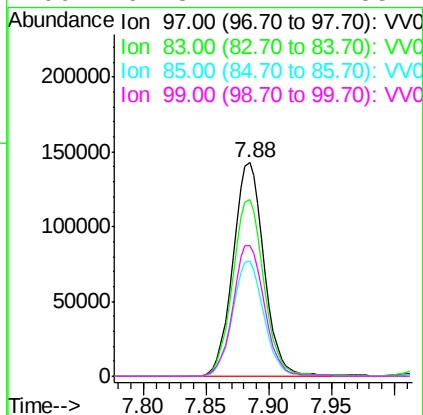
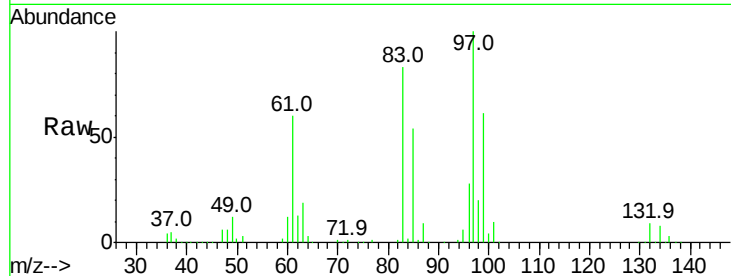




#46
 1,1,2-Trichloroethane
 Concen: 88.979 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

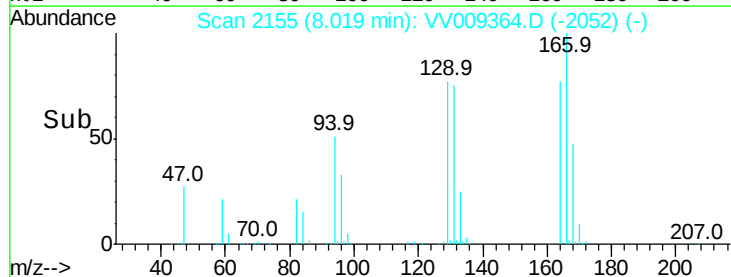
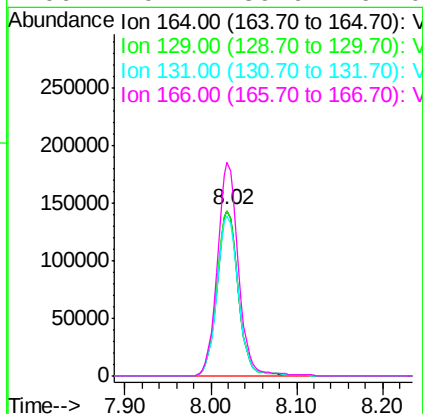
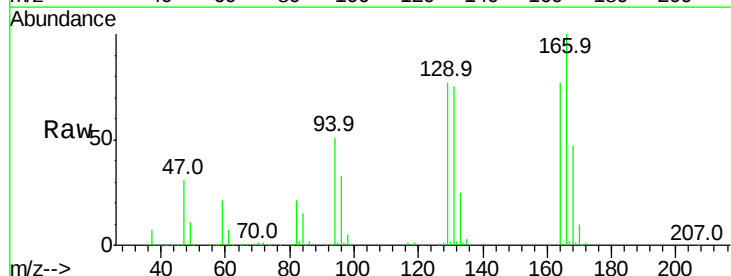
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10085

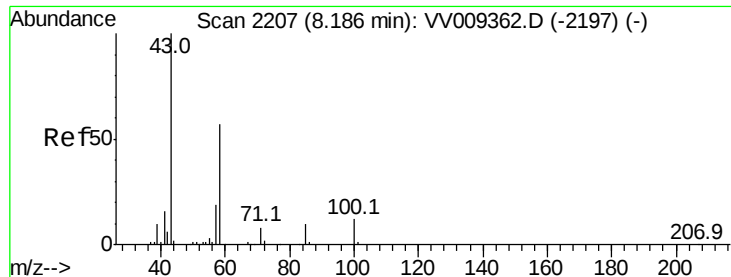
Tgt Ion:	97	Resp:	245458
Ion	Ratio	Lower	Upper
97	100		
83	83.0	58.1	107.9
85	53.7	38.4	71.2
99	61.3	44.7	83.1



#47
 Tetrachloroethene
 Concen: 89.364 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

Tgt Ion:	164	Resp:	247956
Ion	Ratio	Lower	Upper
164	100		
129	100.0	67.0	124.4
131	96.6	65.0	120.8
166	129.2	89.9	167.0

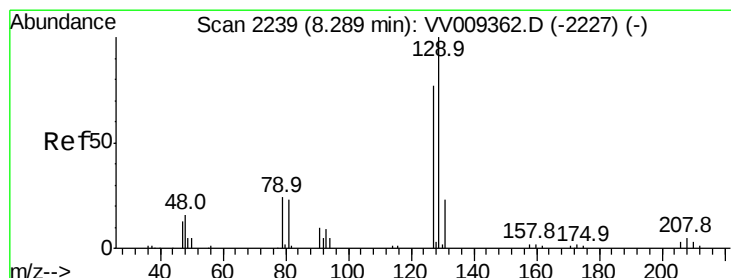
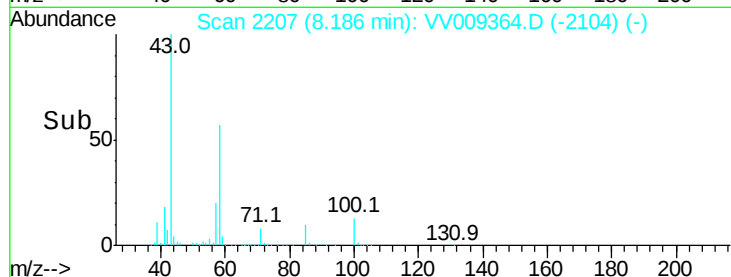
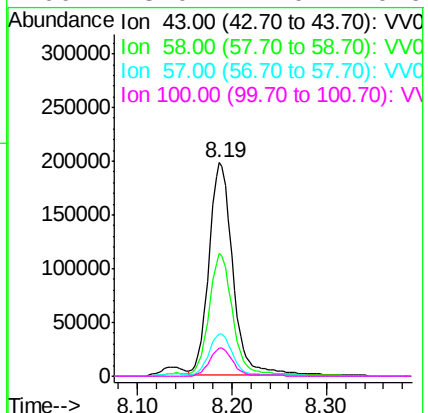
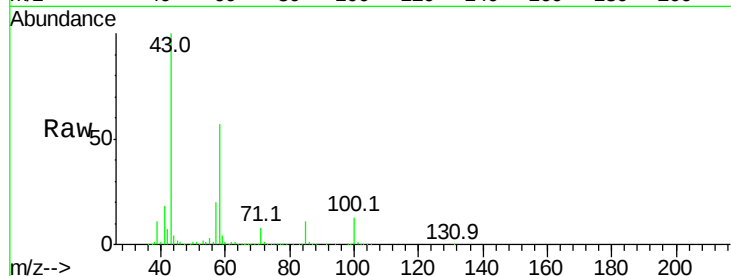




#49
2-Hexanone
Concen: 173.414 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

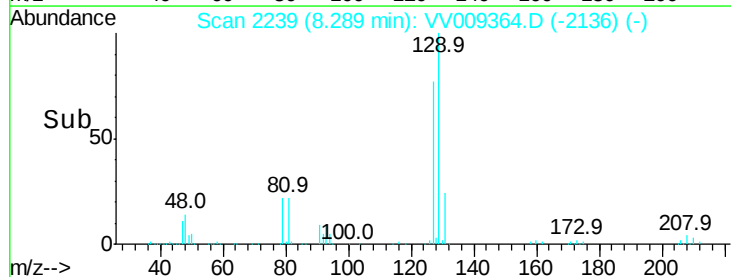
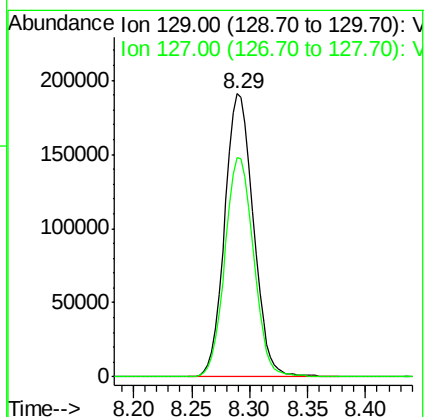
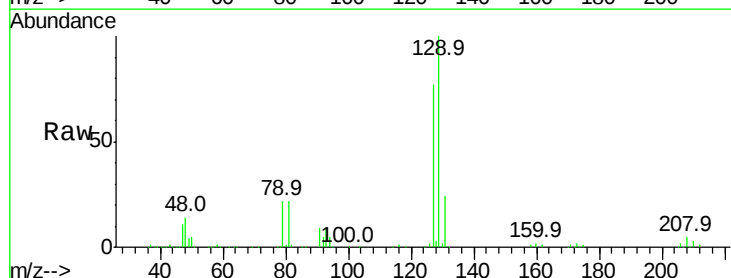
Instrument :
MSVOA_V
ClientSampleId :
VSTD10085

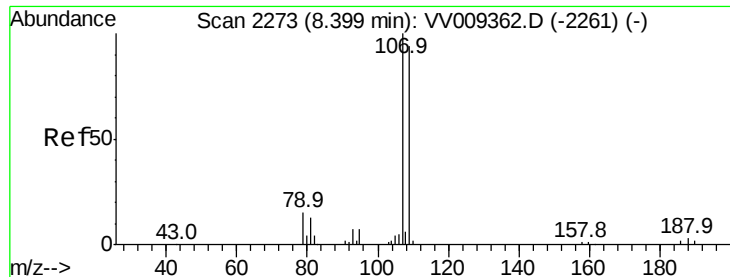
Tgt Ion: 43 Resp: 346816
Ion Ratio Lower Upper
43 100
58 57.1 46.8 70.2
57 19.6 14.2 21.2
100 13.0 11.0 16.6



#50
Dibromochloromethane
Concen: 98.789 ug/L
RT: 8.29 min Scan# 2239
Delta R.T. 0.00 min
Lab File: VV009364.D
Acq: 26 Feb 2019 11:53

Tgt Ion: 129 Resp: 328595
Ion Ratio Lower Upper
129 100
127 77.5 53.6 99.6





#51

1,2-Dibromoethane

Concen: 90.266 ug/L

RT: 8.40 min Scan# 2272

Delta R.T. -0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

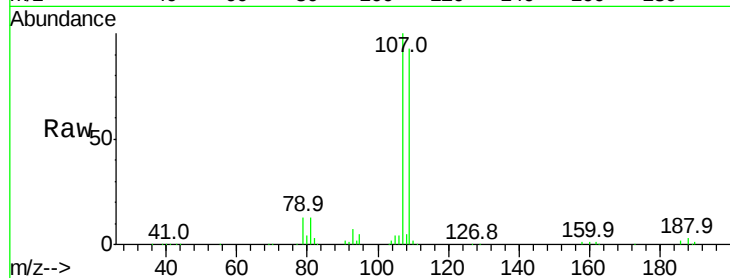
Tgt Ion:107 Resp: 249750

Ion Ratio Lower Upper

107 100

109 92.9 64.5 119.9

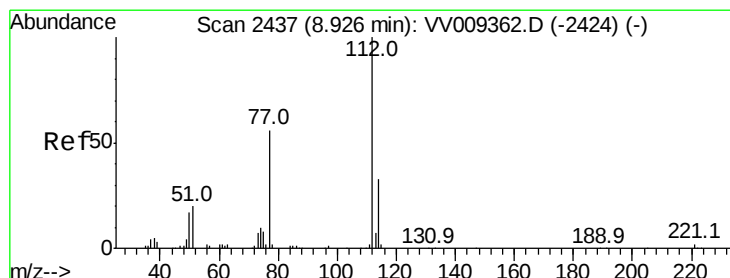
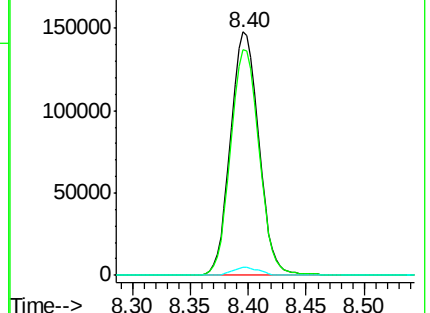
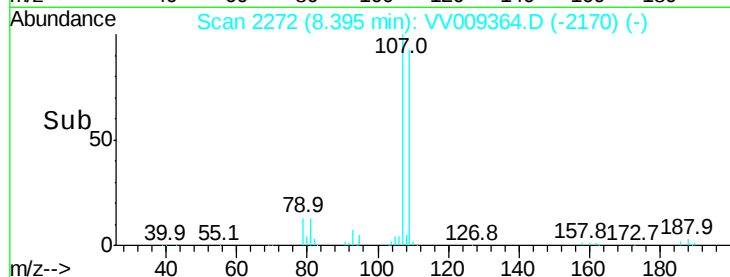
188 3.1 2.8 4.2



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: 93.247 ug/L

RT: 8.93 min Scan# 2437

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

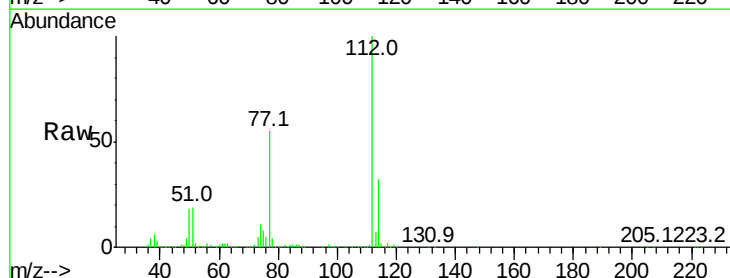
Tgt Ion:112 Resp: 859526

Ion Ratio Lower Upper

112 100

77 55.4 45.0 67.4

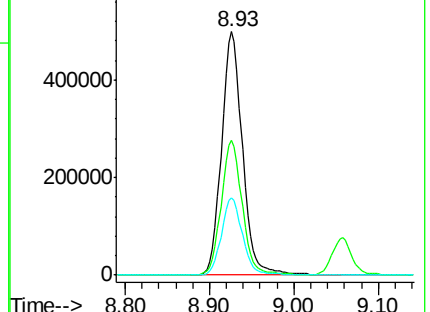
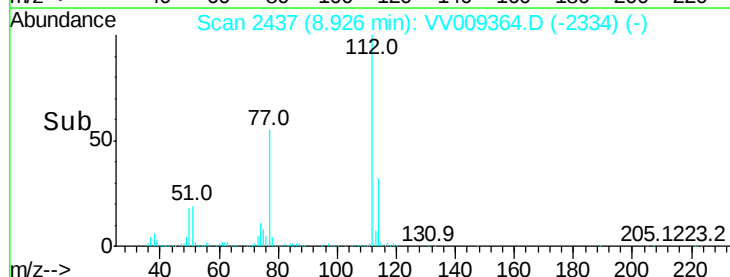
114 31.8 22.0 41.0

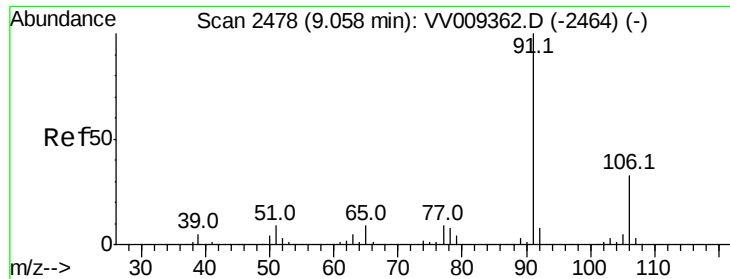


Abundance Ion 112.00 (111.70 to 112.70): V

Ion 77.00 (76.70 to 77.70): V

Ion 114.00 (113.70 to 114.70): V





#53

Ethylbenzene

Concen: 92.426 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

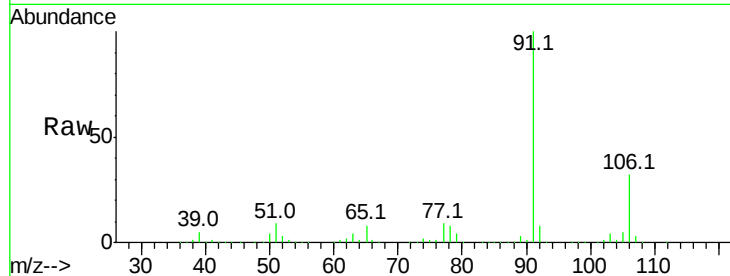
VSTD10085

Tgt Ion: 91 Resp: 1478124

Ion Ratio Lower Upper

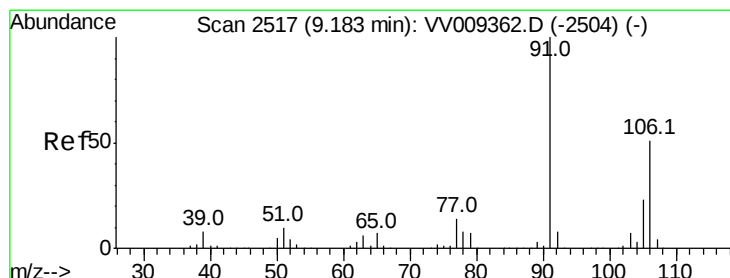
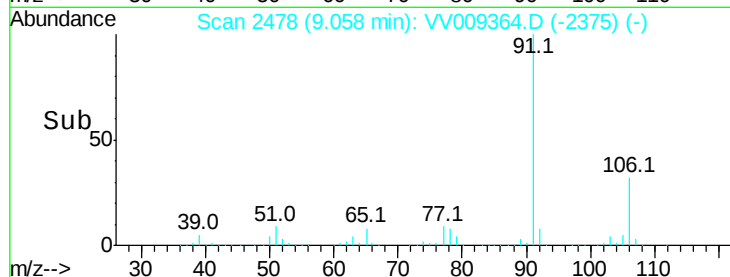
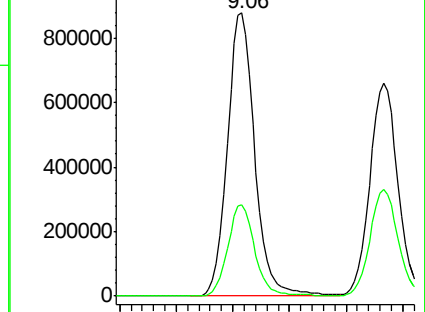
91 100

106 32.3 22.2 41.2



Abundance Ion 91.00 (90.70 to 91.70): VV009362.D (-2464) (-)

Ion 106.00 (105.70 to 106.70): VV009362.D (-2464) (-)



#54

m,p-Xylene

Concen: 93.239 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV009364.D

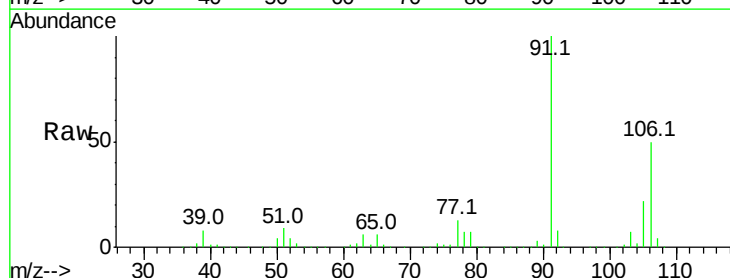
Acq: 26 Feb 2019 11:53

Tgt Ion: 106 Resp: 581822

Ion Ratio Lower Upper

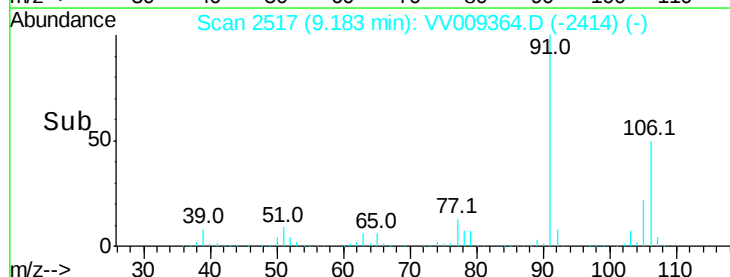
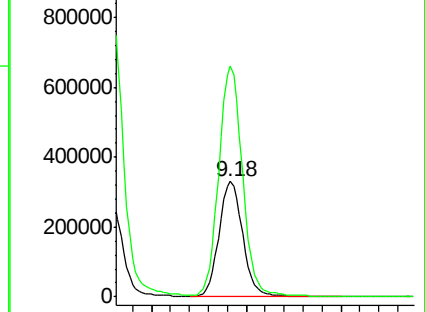
106 100

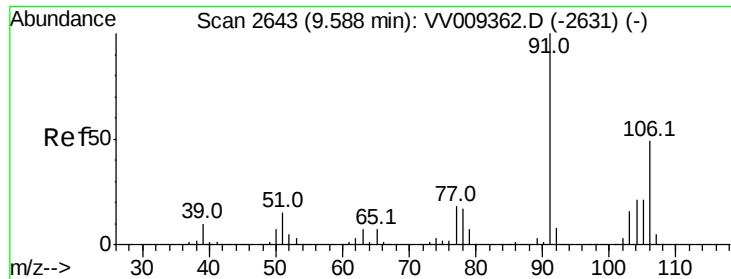
91 200.0 141.4 262.6



Abundance Ion 106.00 (105.70 to 106.70): VV009362.D (-2504) (-)

Ion 91.00 (90.70 to 91.70): VV009362.D (-2504) (-)





#55

o-xylene

Concen: 94.312 ug/L

RT: 9.59 min Scan# 2643

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

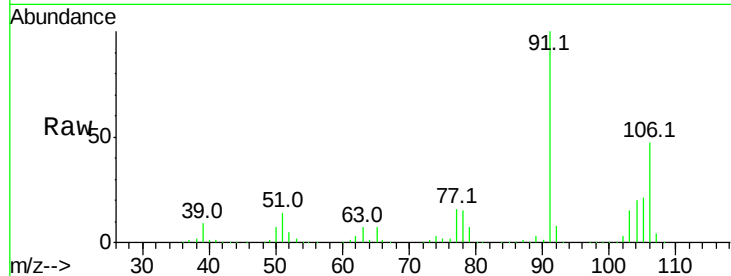
VSTD10085

Tgt Ion:106 Resp: 552406

Ion Ratio Lower Upper

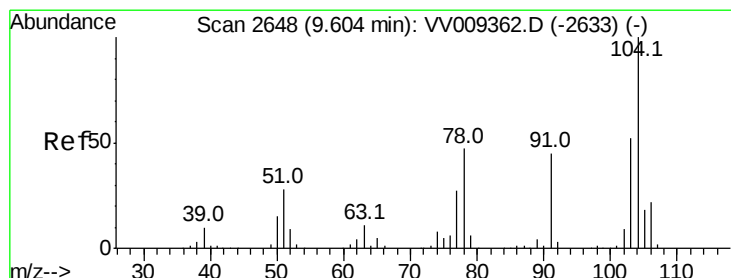
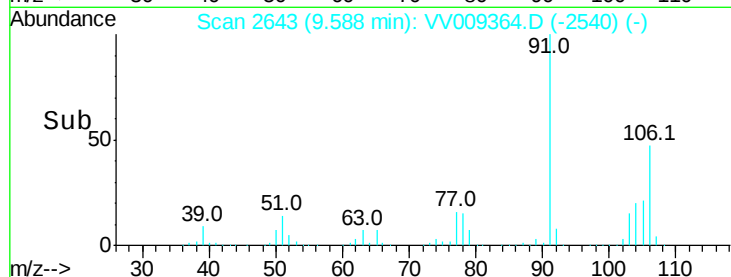
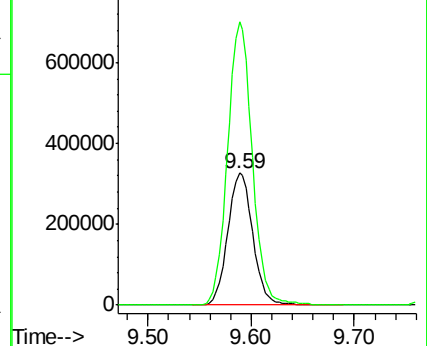
106 100

91 214.5 146.4 271.8



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#56

Styrene

Concen: 93.425 ug/L

RT: 9.60 min Scan# 2648

Delta R.T. 0.00 min

Lab File: VV009364.D

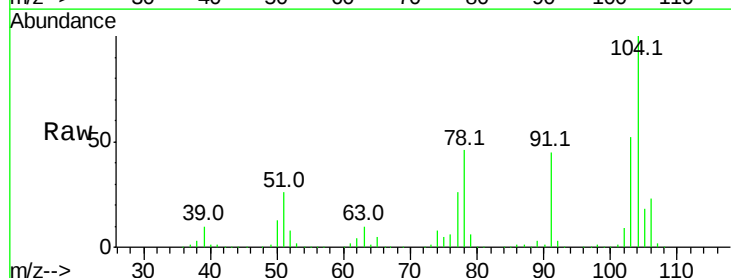
Acq: 26 Feb 2019 11:53

Tgt Ion:104 Resp: 939060

Ion Ratio Lower Upper

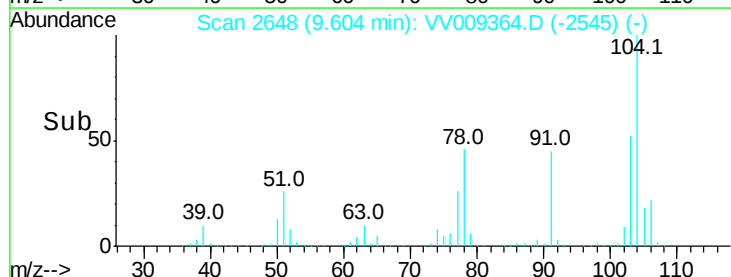
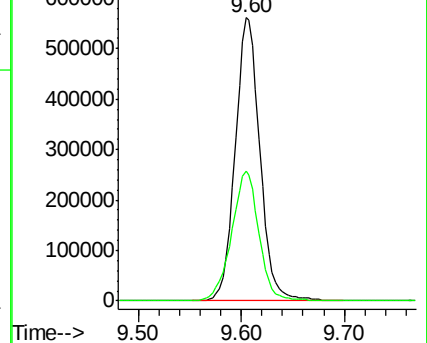
104 100

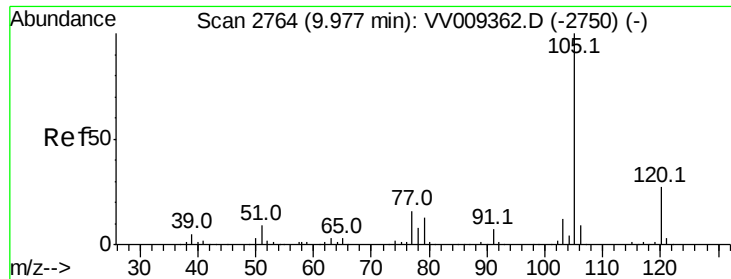
78 46.0 31.6 58.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#57

Isopropylbenzene

Concen: 91.557 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

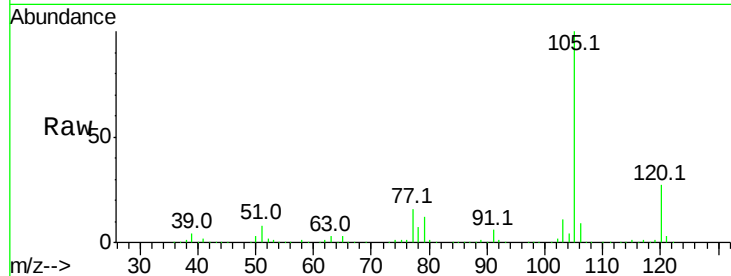
Tgt Ion:105 Resp: 1484565

Ion Ratio Lower Upper

105 100

120 27.2 21.7 32.5

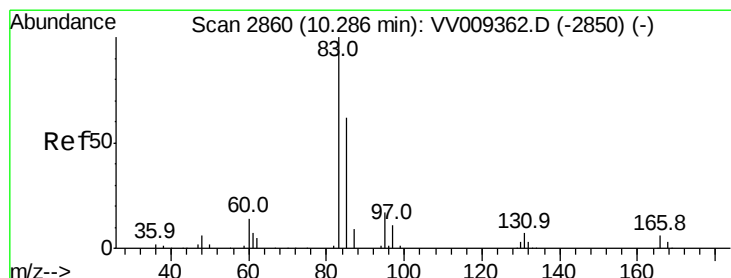
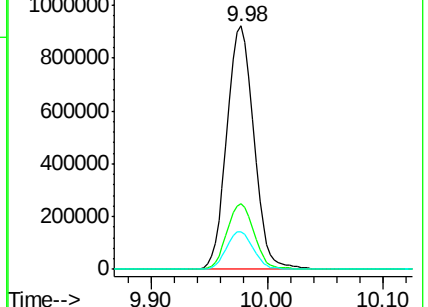
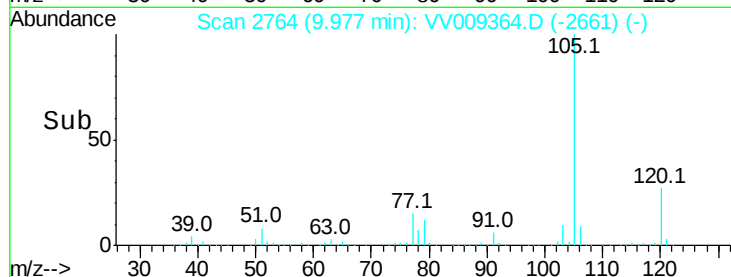
77 15.6 12.8 19.2



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: 79.913 ug/L

RT: 10.29 min Scan# 2860

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

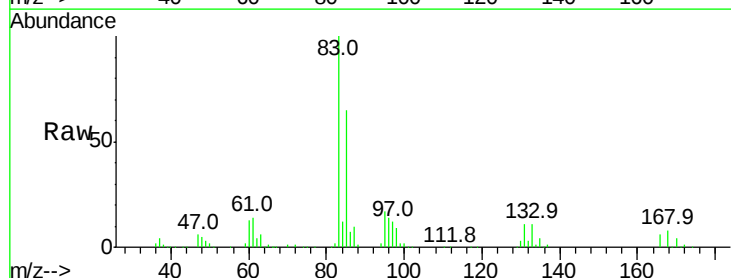
Tgt Ion: 83 Resp: 311087

Ion Ratio Lower Upper

83 100

85 65.3 44.7 83.1

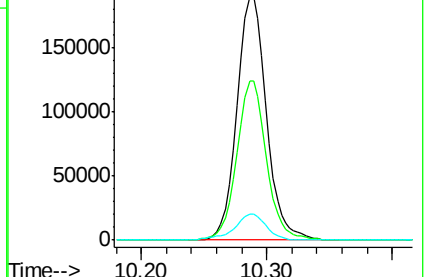
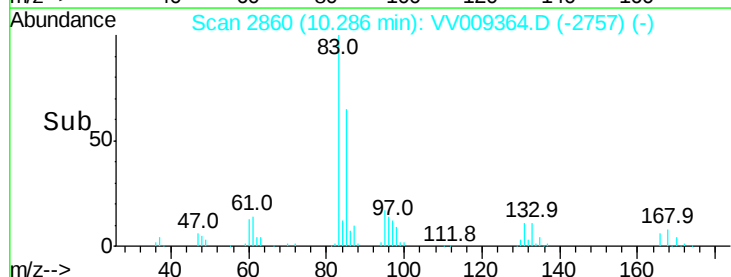
131 10.5 8.1 12.1

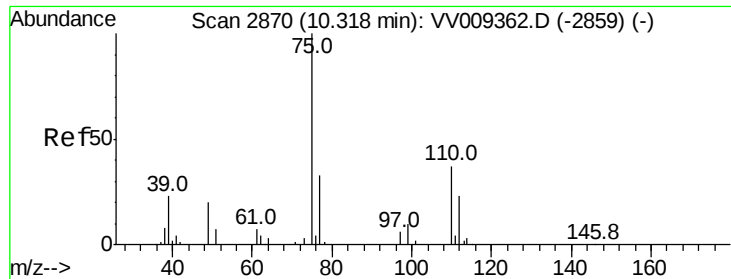


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V

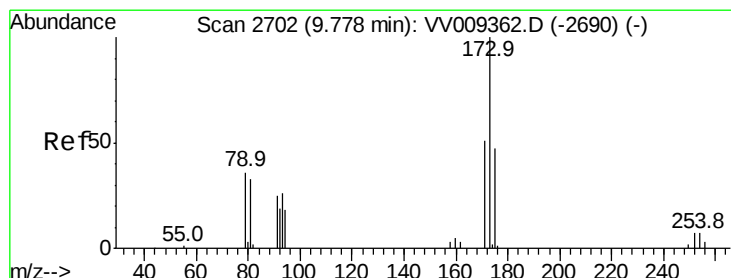
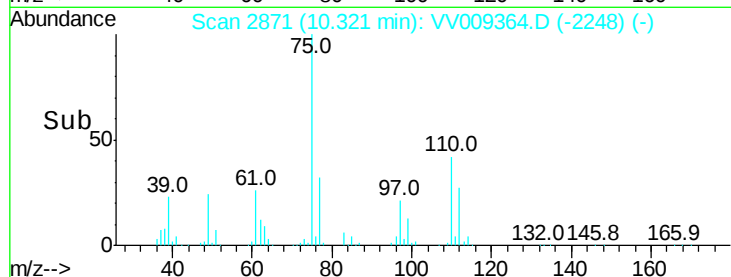
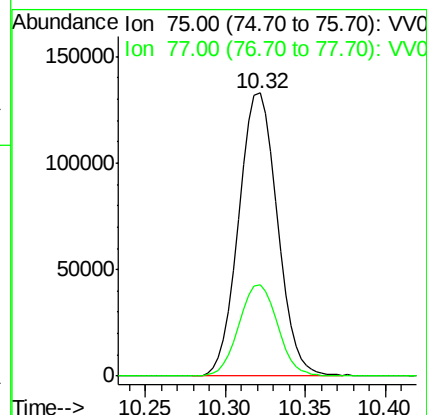
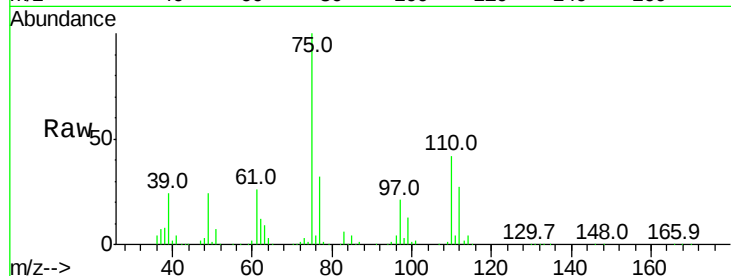




#59
 1,2,3-Trichloropropane
 Concen: 78.592 ug/L
 RT: 10.32 min Scan# 2871
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

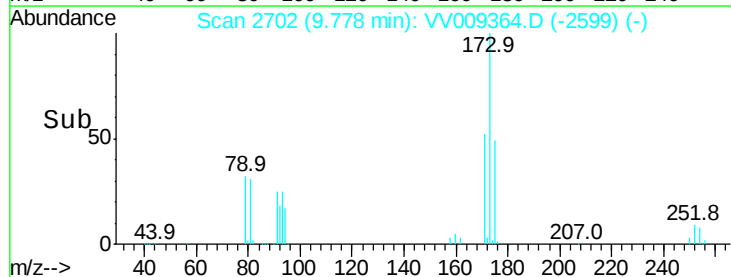
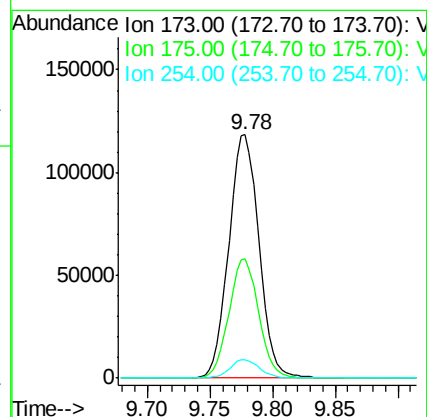
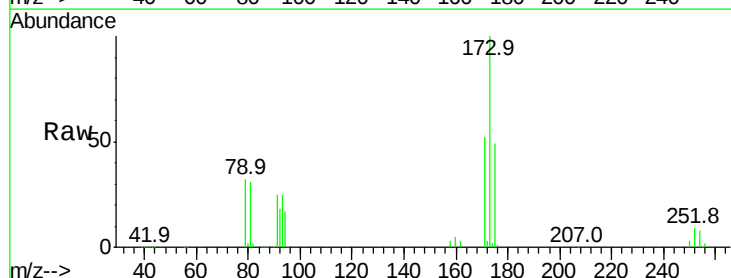
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10085

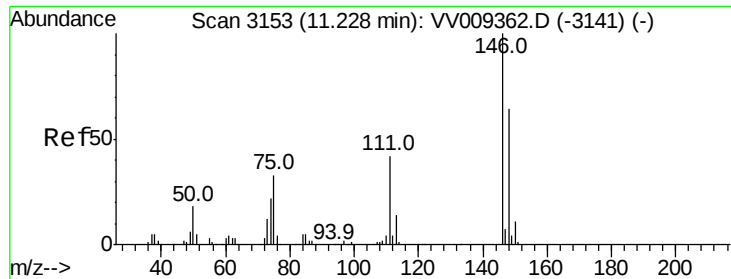
Tgt Ion: 75 Resp: 219238
 Ion Ratio Lower Upper
 75 100
 77 32.2 26.3 39.5



#62
 Bromoform
 Concen: 92.061 ug/L
 RT: 9.78 min Scan# 2702
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

Tgt Ion: 173 Resp: 197900
 Ion Ratio Lower Upper
 173 100
 175 48.3 39.1 58.7
 254 7.6 5.7 8.5

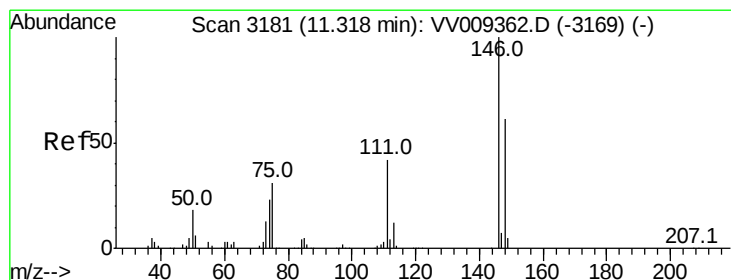
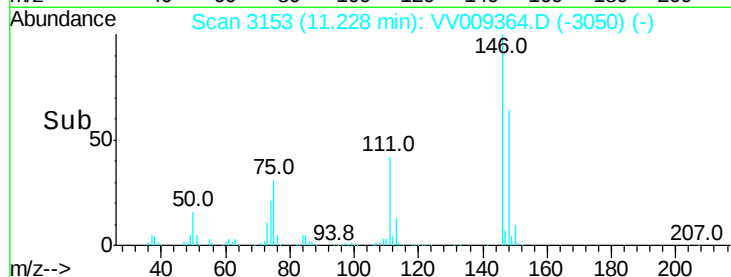
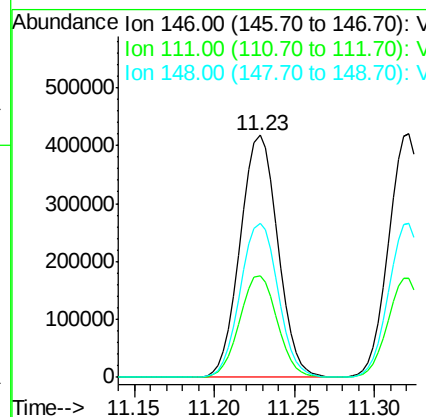
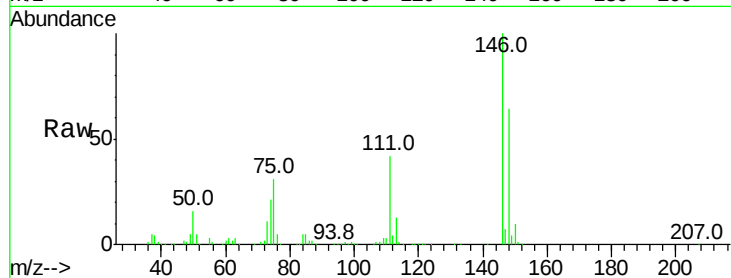




#63
 1,3-Dichlorobenzene
 Concen: 89.741 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

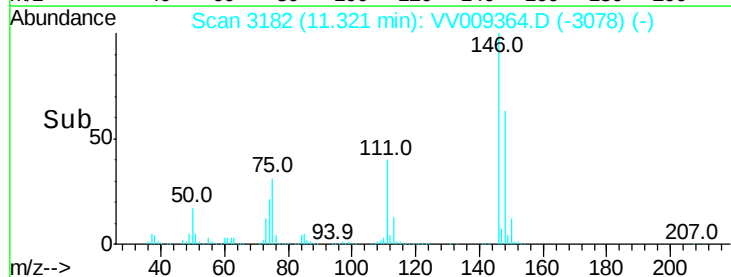
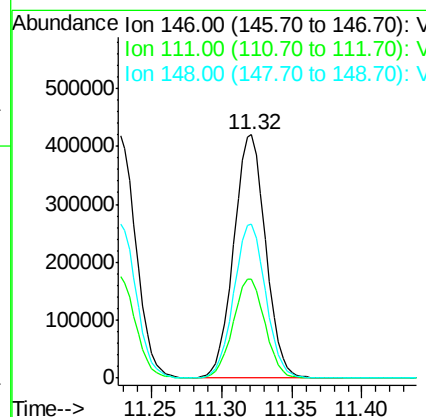
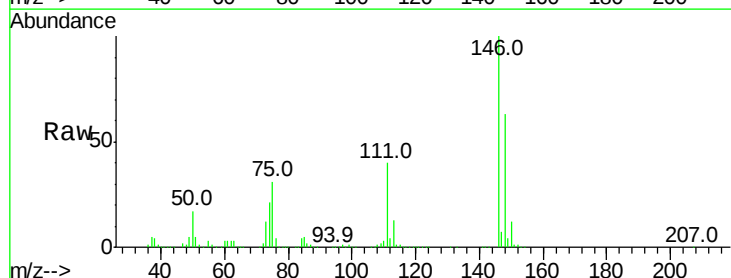
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10085

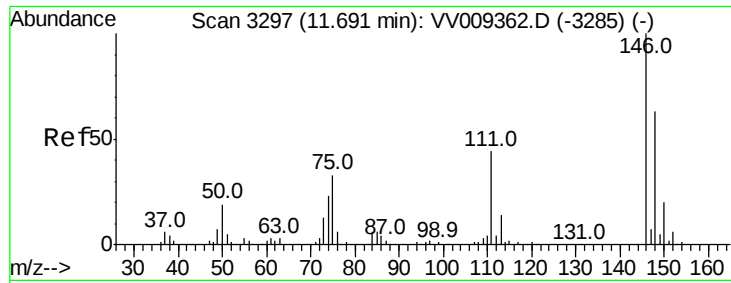
Tgt Ion:146 Resp: 670289
 Ion Ratio Lower Upper
 146 100
 111 42.2 27.6 51.4
 148 63.9 45.4 84.4



#64
 1,4-Dichlorobenzene
 Concen: 89.324 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

Tgt Ion:146 Resp: 665045
 Ion Ratio Lower Upper
 146 100
 111 40.4 26.9 50.1
 148 63.1 44.1 81.9





#65

1,2-Dichlorobenzene

Concen: 88.790 ug/L

RT: 11.69 min Scan# 3297

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

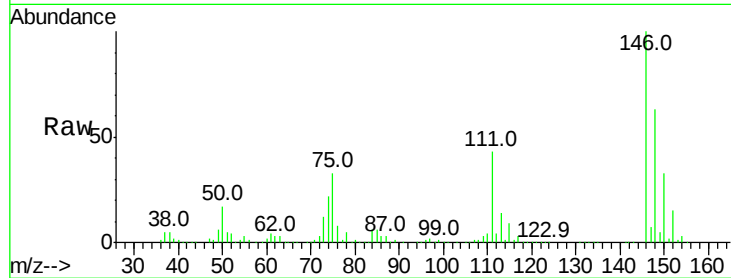
Tgt Ion:146 Resp: 621838

Ion Ratio Lower Upper

146 100

111 42.8 32.6 48.8

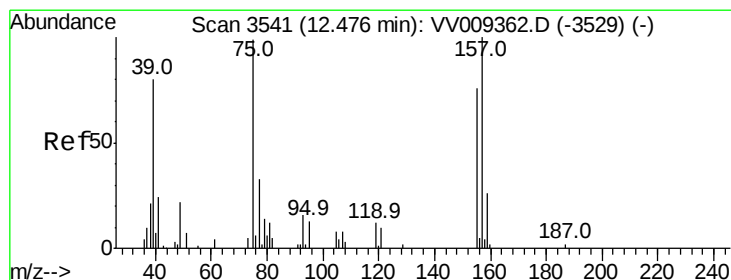
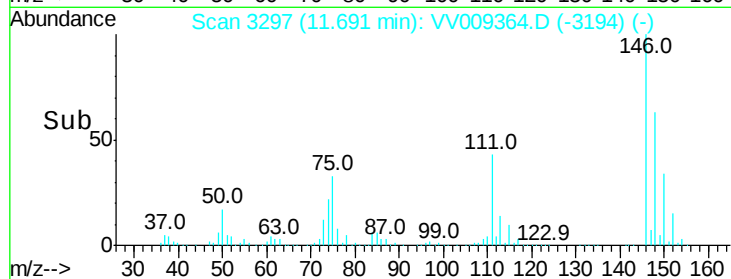
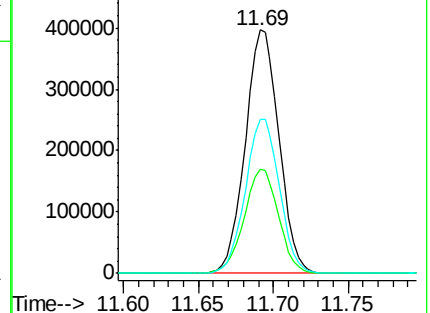
148 63.0 51.1 76.7



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: 75.635 ug/L

RT: 12.48 min Scan# 3541

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

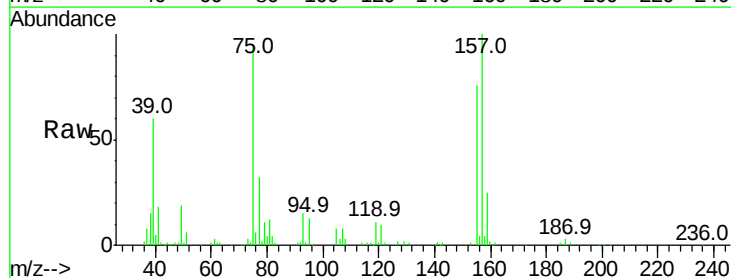
Tgt Ion: 75 Resp: 58827

Ion Ratio Lower Upper

75 100

157 105.7 88.6 133.0

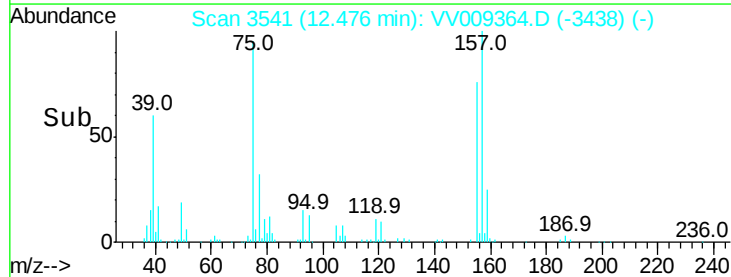
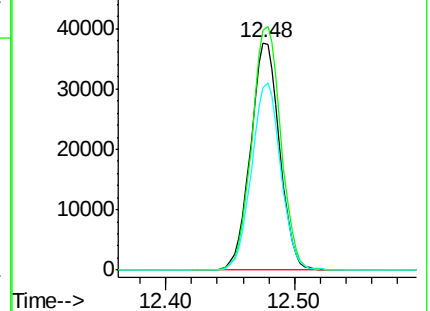
155 80.1 66.6 100.0

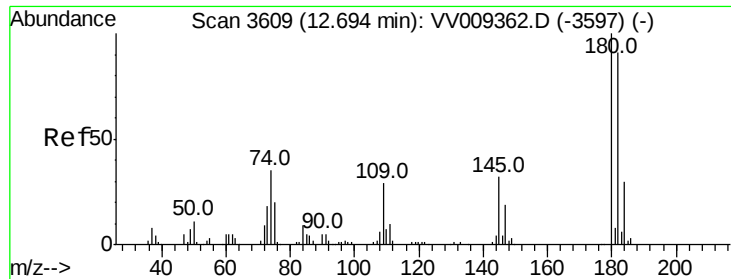


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 157.00 (156.70 to 157.70): V

Ion 155.00 (154.70 to 155.70): V

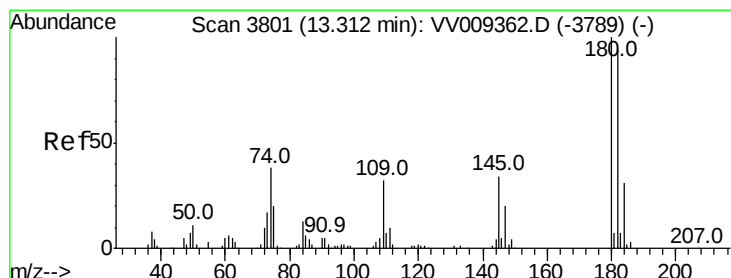
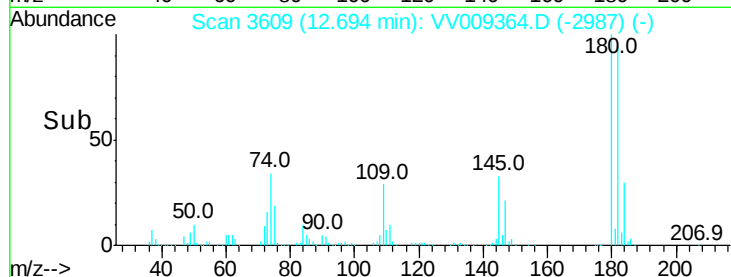
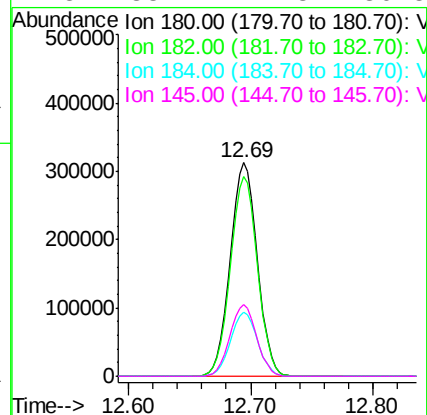
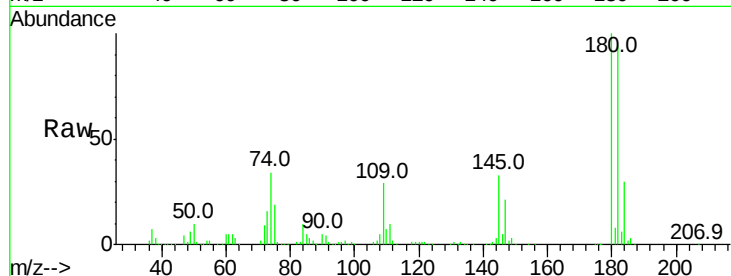




#67
 1,3,5-Trichlorobenzene
 Concen: 89.980 ug/L
 RT: 12.69 min Scan# 3609
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

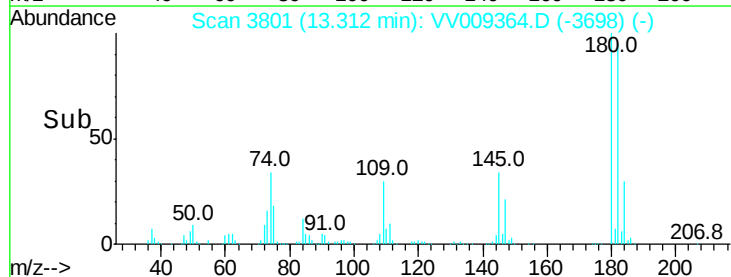
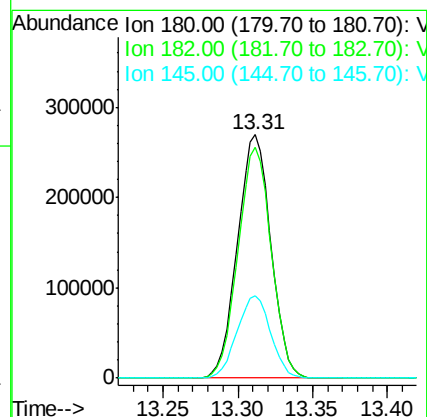
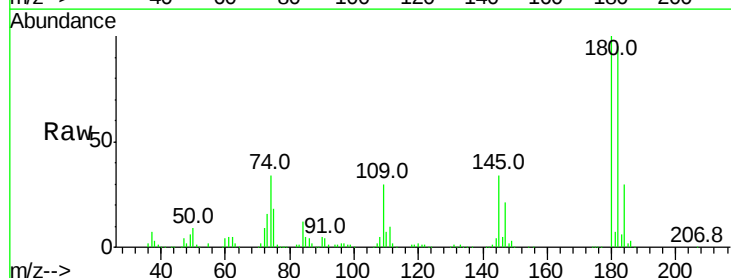
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD10085

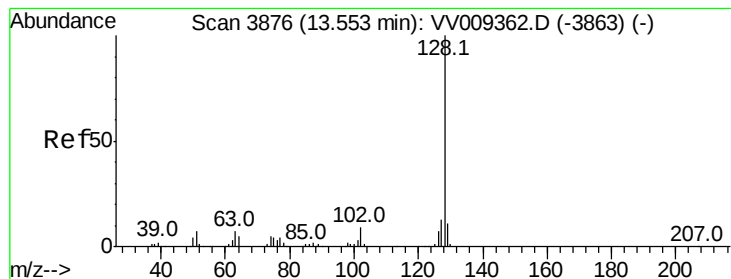
Tgt Ion:180 Resp: 486311
 Ion Ratio Lower Upper
 180 100
 182 93.6 77.4 116.2
 184 29.9 24.9 37.3
 145 33.1 24.3 36.5



#68
 1,2,4-trichlorobenzene
 Concen: 95.247 ug/L
 RT: 13.31 min Scan# 3801
 Delta R.T. 0.00 min
 Lab File: VV009364.D
 Acq: 26 Feb 2019 11:53

Tgt Ion:180 Resp: 420026
 Ion Ratio Lower Upper
 180 100
 182 94.3 76.7 115.1
 145 33.9 25.1 37.7





#69

Naphthalene

Concen: 96.551 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD10085

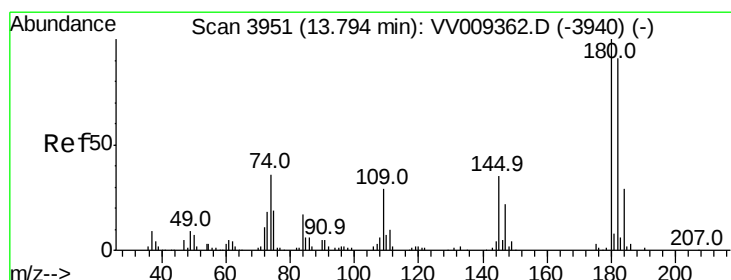
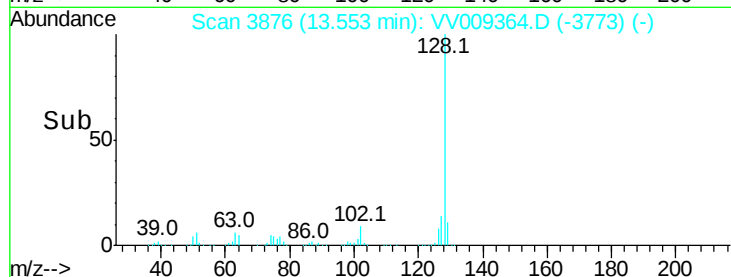
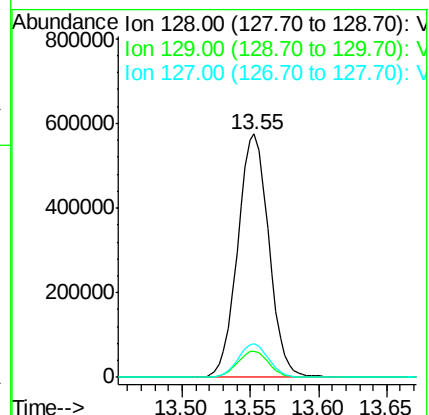
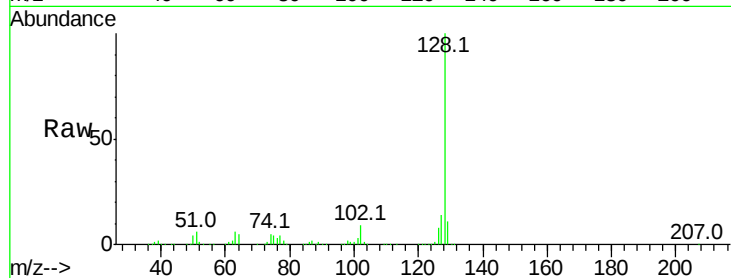
Tgt Ion:128 Resp: 912618

Ion Ratio Lower Upper

128 100

129 10.8 8.6 13.0

127 13.6 10.5 15.7



#70

1,2,3-Trichlorobenzene

Concen: 94.176 ug/L

RT: 13.79 min Scan# 3951

Delta R.T. 0.00 min

Lab File: VV009364.D

Acq: 26 Feb 2019 11:53

Tgt Ion:180 Resp: 383278

Ion Ratio Lower Upper

180 100

182 94.5 73.6 110.4

145 36.1 26.1 39.1

