

Data File : VV007851.D
Acq On : 25 Sep 2018 12:52
Operator : SY/MD
Sample : VSTD05066
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Quant Time: Sep 26 04:27:14 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM092518WMA.M
Quant Title : VOC Analysis
QLast Update : Wed Sep 26 04:25:56 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	192398	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	191762	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	106087	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	61234	50.77	ug/L	0.00
7) Chloroethane-d5	1.59	69	53193	51.07	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.14	63	132629	51.61	ug/L	0.00
21) 2-Butanone-d5	3.95	46	82069	100.96	ug/L	0.00
24) Chloroform-d	4.41	84	127469	50.88	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	92024	51.51	ug/L	0.00
32) Benzene-d6	5.11	84	257664	50.17	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.13	67	80165	49.85	ug/L	0.00
41) Toluene-d8	7.36	98	265956	51.38	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	39929	52.15	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	68663	104.30	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	120829	50.90	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	115861	49.13	ug/L	0.00

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.14	85	71463	52.375	ug/L	100
3) Chloromethane	1.26	50	66524	50.688	ug/L	100
5) Vinyl chloride	1.33	62	71955	51.081	ug/L	100
6) Bromomethane	1.54	94	39733	50.934	ug/L	100
8) Chloroethane	1.60	64	44639	50.805	ug/L	100
9) Trichlorofluoromethane	1.78	101	120908	51.225	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.15	101	68589	51.997	ug/L	100
12) 1,1-Dichloroethene	2.15	96	60499	51.165	ug/L	100
13) Acetone	2.19	43	100586	102.720	ug/L	100
14) Carbon disulfide	2.33	76	156793	50.768	ug/L	100
15) Methyl Acetate	2.46	43	74538	51.888	ug/L	100
16) Methylene chloride	2.54	84	67427	51.474	ug/L	100
17) trans-1,2-Dichloroethene	2.80	96	64936	51.417	ug/L	100
18) Methyl tert-butyl Ether	2.81	73	204198	51.893	ug/L	100
19) 1,1-Dichloroethane	3.24	63	111803	51.587	ug/L	100
20) cis-1,2-Dichloroethene	3.97	96	70492	51.514	ug/L	100
22) 2-Butanone	4.04	43	115847	103.238	ug/L	100
23) Bromochloromethane	4.31	128	36633	51.454	ug/L	100
25) Chloroform	4.43	83	131783	51.231	ug/L	100
27) 1,2-Dichloroethane	5.19	62	107089	52.528	ug/L	100
29) Cyclohexane	4.73	56	104472	50.944	ug/L	100
30) 1,1,1-Trichloroethane	4.67	97	110672	50.956	ug/L	100
31) Carbon tetrachloride	4.88	117	99357	51.779	ug/L	100
33) Benzene	5.15	78	261577	50.726	ug/L	100
34) Trichloroethene	5.96	95	70322	49.162	ug/L	100
35) Methylcyclohexane	6.18	83	114710	51.117	ug/L	100
37) 1,2-Dichloropropane	6.23	63	69609	50.618	ug/L	100
38) Bromodichloromethane	6.56	83	90758	52.145	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	102083	51.132	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	200313	103.076	ug/L	100

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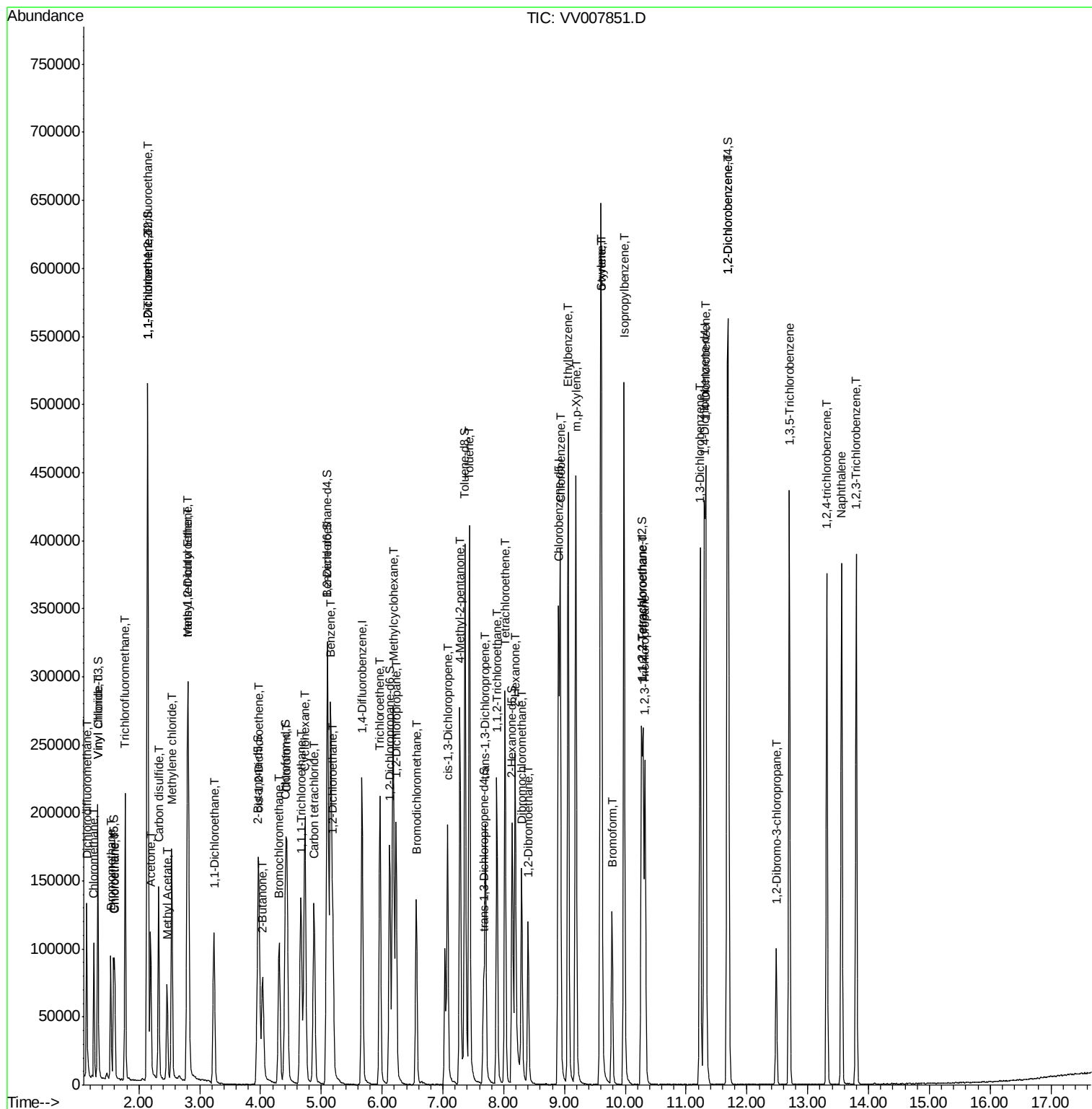
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	300627	51.744	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	103304	52.061	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	70329	51.176	ug/L	100
46) Tetrachloroethene	8.02	164	67961	49.444	ug/L	100
48) 2-Hexanone	8.19	43	161407	105.086	ug/L	100
49) Dibromochloromethane	8.30	129	77942	51.869	ug/L	100
50) 1,2-Dibromoethane	8.40	107	77522	52.462	ug/L	100
51) Chlorobenzene	8.93	112	203398	50.579	ug/L	100
52) Ethylbenzene	9.06	91	336478	51.271	ug/L	100
53) m,p-Xylene	9.19	106	127763	51.098	ug/L	100
54) o-xylene	9.59	106	125089	51.501	ug/L	100
55) Styrene	9.61	104	218142	52.435	ug/L	100
56) Isopropylbenzene	9.98	105	342930	51.801	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	116157	51.720	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	94216	51.464	ug/L	100
61) Bromoform	9.78	173	58338	52.146	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	170387	51.332	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	175536	49.764	ug/L	100
65) 1,2-Dichlorobenzene	11.69	146	175294	50.890	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	23029	51.098	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	140235	50.113	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	120580	51.070	ug/L	100
69) Naphthalene	13.56	128	304526	52.725	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	123047	51.471	ug/L	100

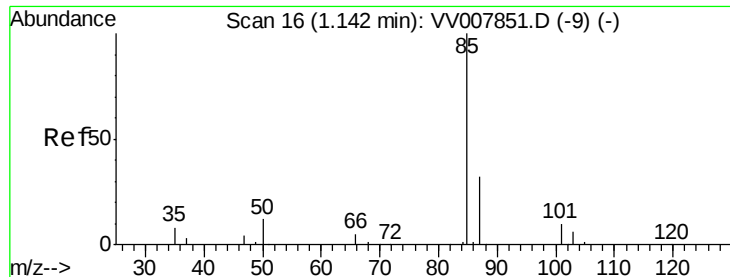
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 52.375 ug/L

RT: 1.14 min Scan# 16

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

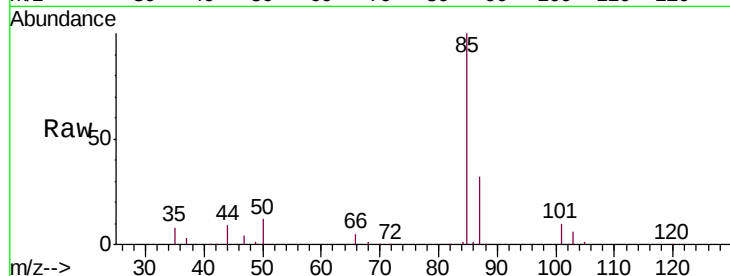
VSTD05066

Tgt Ion: 85 Resp: 71463

Ion Ratio Lower Upper

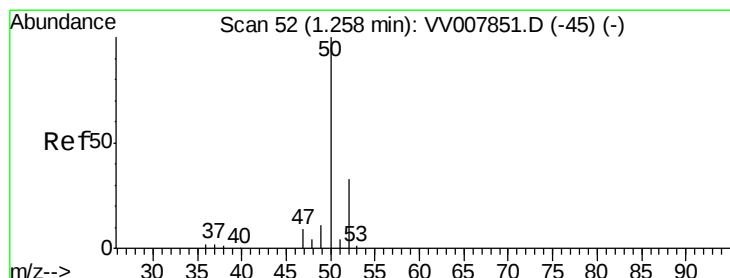
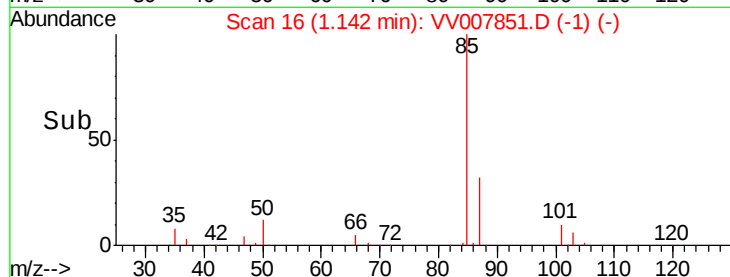
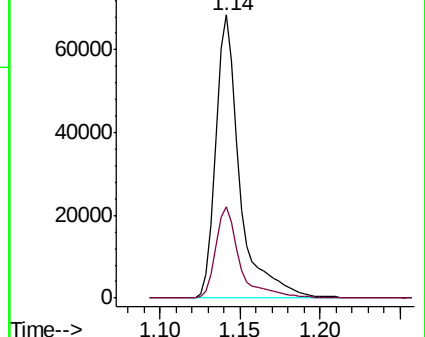
85 100

87 32.3 25.8 38.8



Abundance Ion 85.00 (84.70 to 85.70): VV007851.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV007851.D (-9) (-)



#3

Chloromethane

Concen: 50.688 ug/L

RT: 1.26 min Scan# 52

Delta R.T. 0.00 min

Lab File: VV007851.D

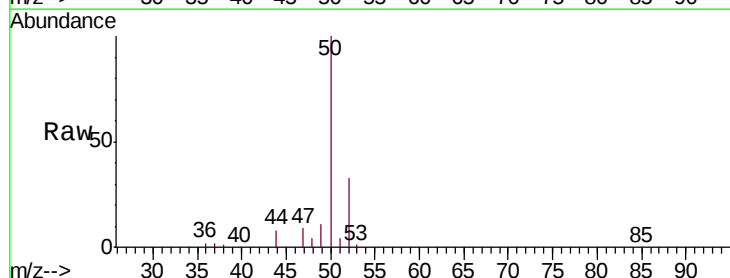
Acq: 25 Sep 2018 12:52

Tgt Ion: 50 Resp: 66524

Ion Ratio Lower Upper

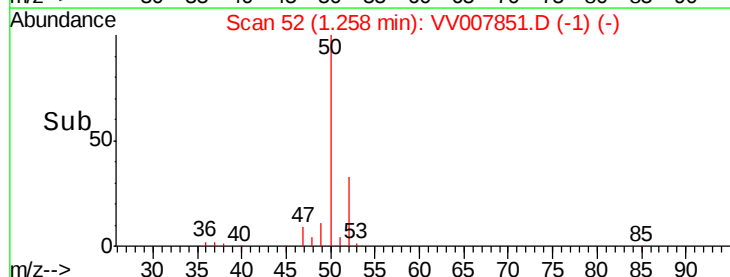
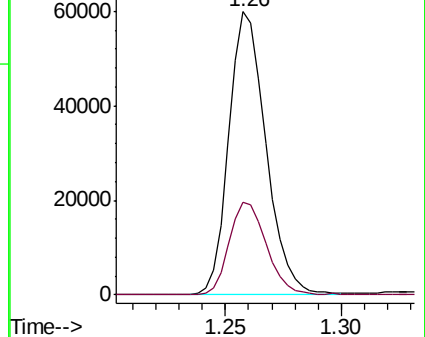
50 100

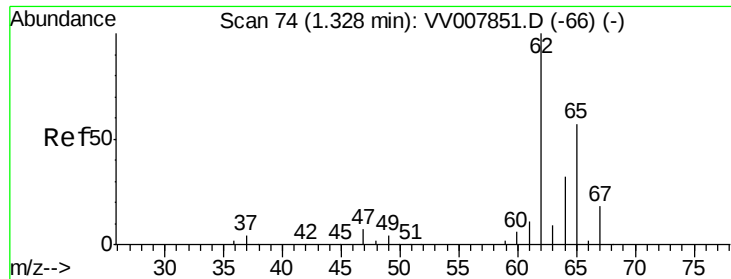
52 32.8 23.0 42.6



Abundance Ion 50.00 (49.70 to 50.70): VV007851.D (-45) (-)

Ion 52.00 (51.70 to 52.70): VV007851.D (-45) (-)





#5

Vinyl chloride

Concen: 51.081 ug/L

RT: 1.33 min Scan# 74

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

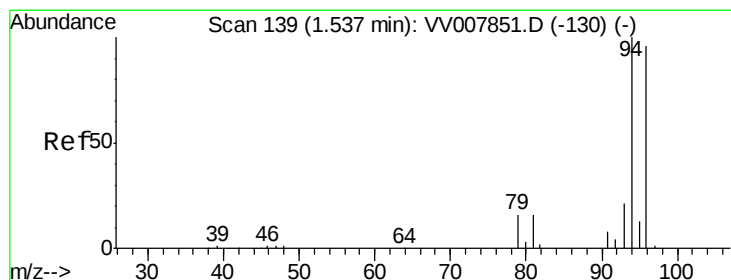
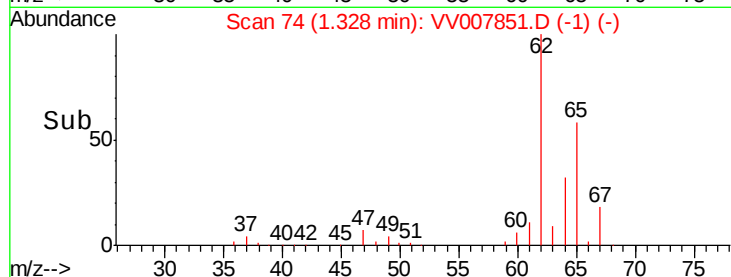
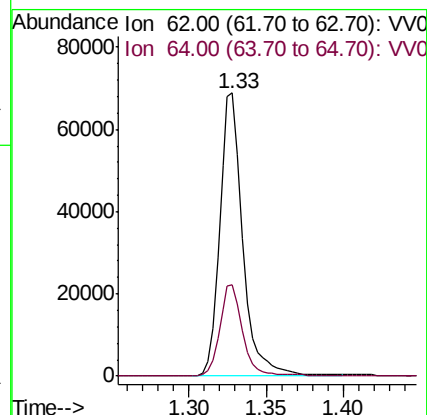
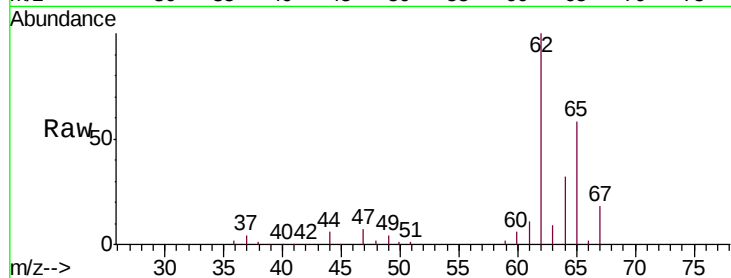
VSTD05066

Tgt Ion: 62 Resp: 71955

Ion Ratio Lower Upper

62 100

64 32.4 22.7 42.1



#6

Bromomethane

Concen: 50.934 ug/L

RT: 1.54 min Scan# 139

Delta R.T. 0.00 min

Lab File: VV007851.D

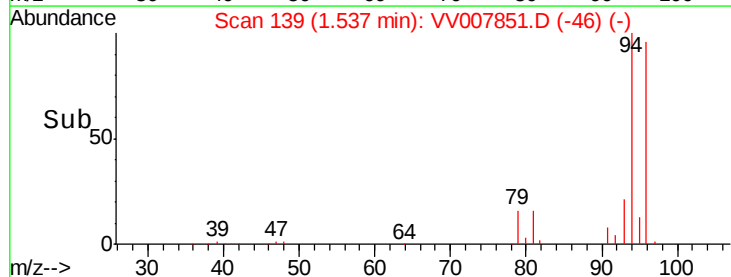
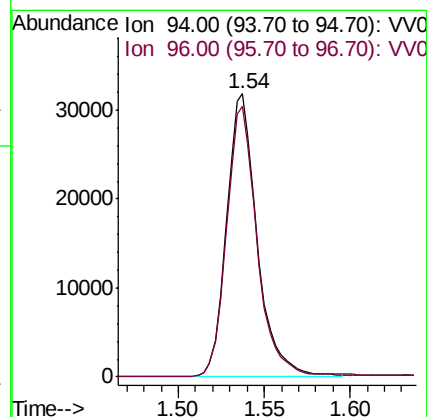
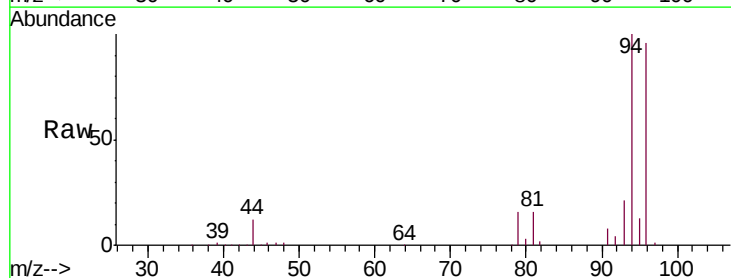
Acq: 25 Sep 2018 12:52

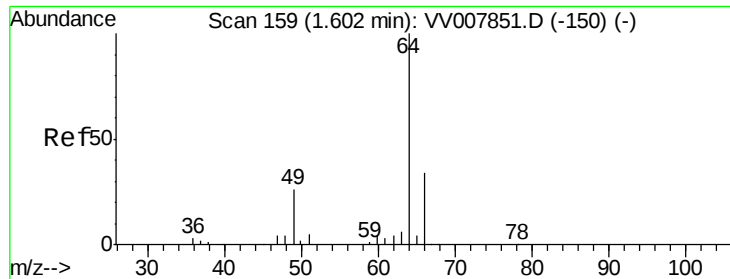
Tgt Ion: 94 Resp: 39733

Ion Ratio Lower Upper

94 100

96 95.6 66.9 124.3





#8

Chloroethane

Concen: 50.805 ug/L

RT: 1.60 min Scan# 159

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

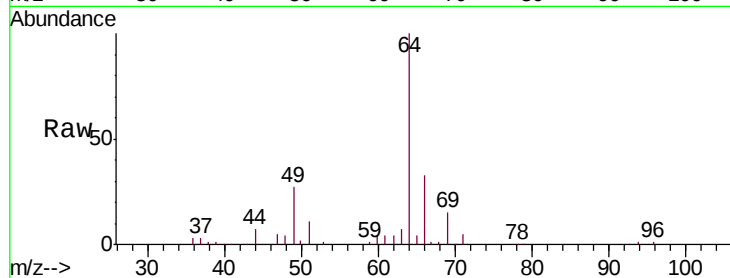
VSTD05066

Tgt Ion: 64 Resp: 44639

Ion Ratio Lower Upper

64 100

66 33.5 23.4 43.6



Abundance Ion 64.00 (63.70 to 64.70): VV007851.D (-150) (-)

Ion 66.00 (65.70 to 66.70): VV007851.D (-150) (-)

1.60

40000

30000

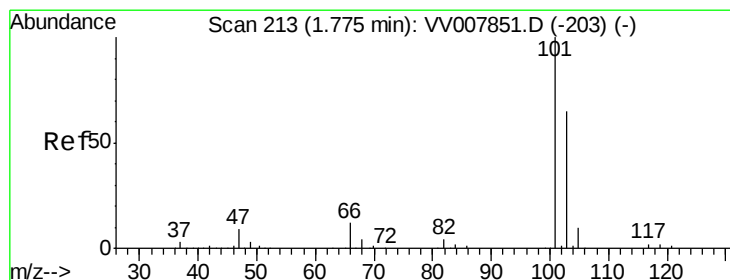
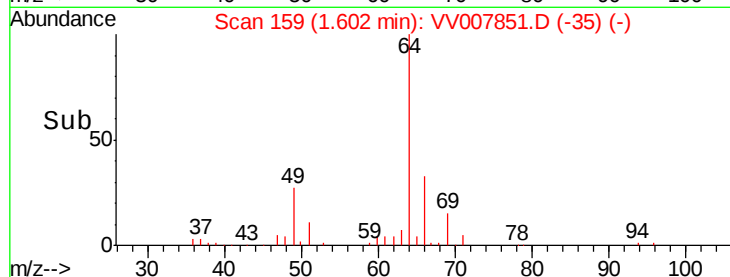
20000

10000

0

Time-->

1.55 1.60 1.65 1.70



#9

Trichlorofluoromethane

Concen: 51.225 ug/L

RT: 1.78 min Scan# 213

Delta R.T. 0.00 min

Lab File: VV007851.D

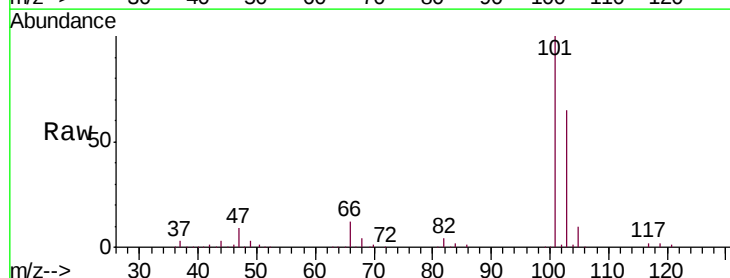
Acq: 25 Sep 2018 12:52

Tgt Ion: 101 Resp: 120908

Ion Ratio Lower Upper

101 100

103 65.5 52.4 78.6



Abundance Ion 101.00 (100.70 to 101.70): VV007851.D (-203) (-)

Ion 103.00 (102.70 to 103.70): VV007851.D (-203) (-)

1.78

100000

80000

60000

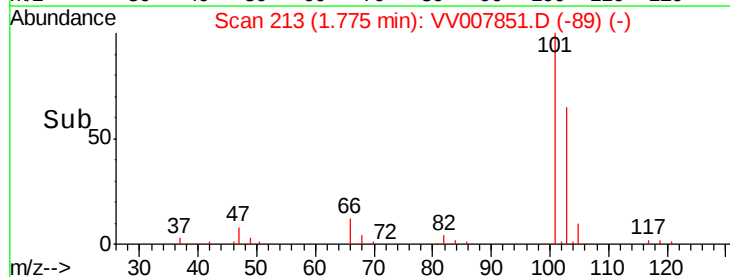
40000

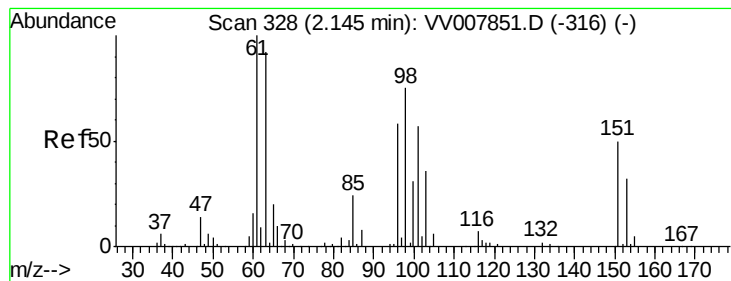
20000

0

Time-->

1.70 1.75 1.80 1.85





#10

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

Concen: 51.997 ug/L

RT: 2.15 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

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ClientSampleId :

VSTD05066

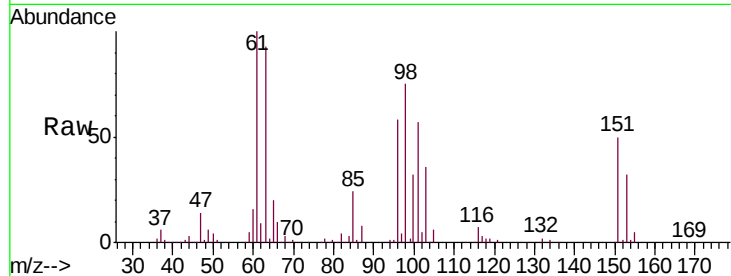
Tgt Ion:101 Resp: 68589

Ion Ratio Lower Upper

101 100

85 42.7 34.2 51.2

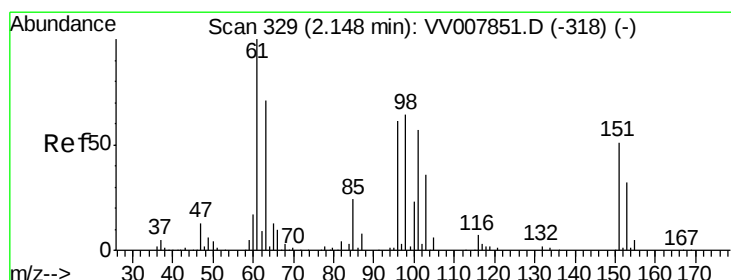
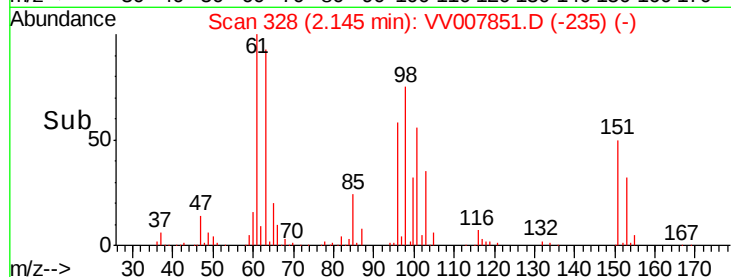
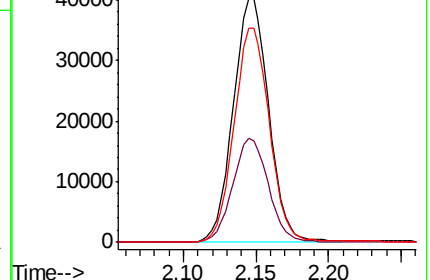
151 87.1 69.7 104.5



Abundance Ion 101.00 (100.70 to 101.70): VV007851.D (-316) (-)

Ion 85.00 (84.70 to 85.70): VV007851.D (-316) (-)

Ion 151.00 (150.70 to 151.70): VV007851.D (-316) (-)



#12

1,1-Dichloroethene

Concen: 51.165 ug/L

RT: 2.15 min Scan# 329

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

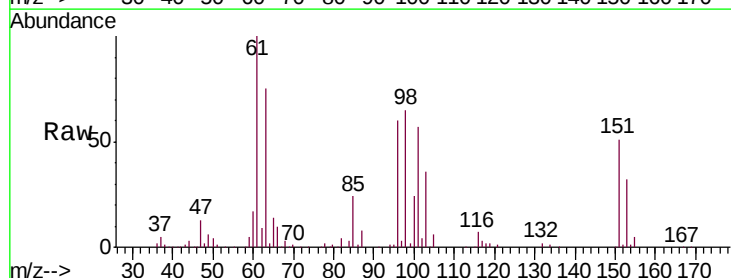
Tgt Ion: 96 Resp: 60499

Ion Ratio Lower Upper

96 100

61 165.9 116.1 215.7

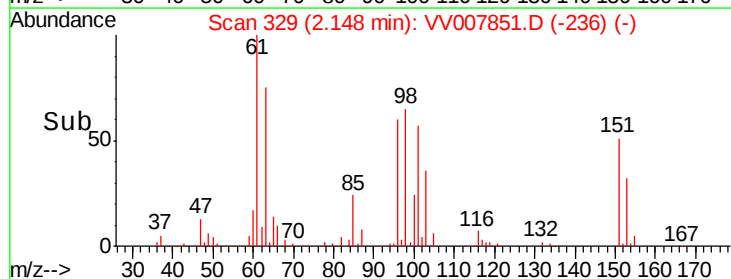
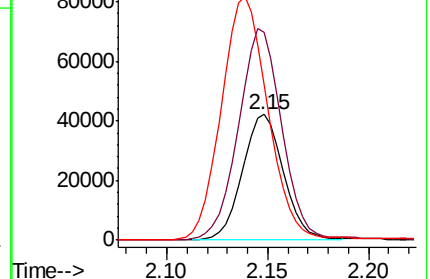
63 123.6 86.5 160.7

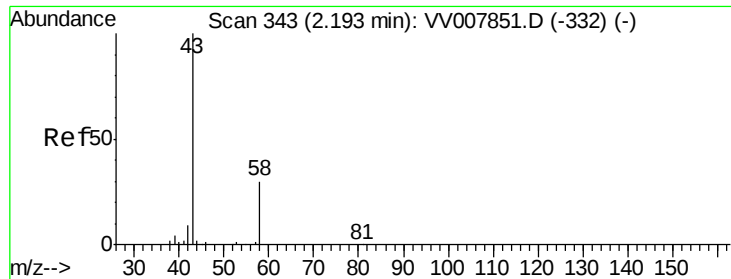


Abundance Ion 96.00 (95.70 to 96.70): VV007851.D (-318) (-)

Ion 61.00 (60.70 to 61.70): VV007851.D (-318) (-)

Ion 63.00 (62.70 to 63.70): VV007851.D (-318) (-)





#13

Acetone

Concen: 102.720 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

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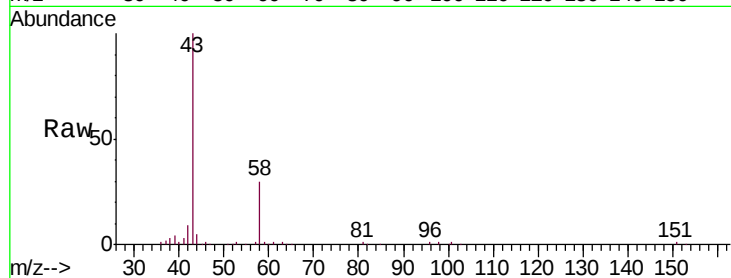
VSTD05066

Tgt Ion: 43 Resp: 100586

Ion Ratio Lower Upper

43 100

58 29.7 0.0 59.4



Abundance Ion 43.00 (42.70 to 43.70): VV007851.D (-332) (-)

Ion 58.00 (57.70 to 58.70): VV007851.D (-332) (-)

2.19

60000

40000

20000

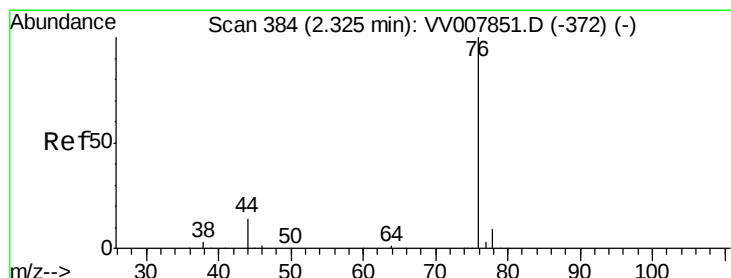
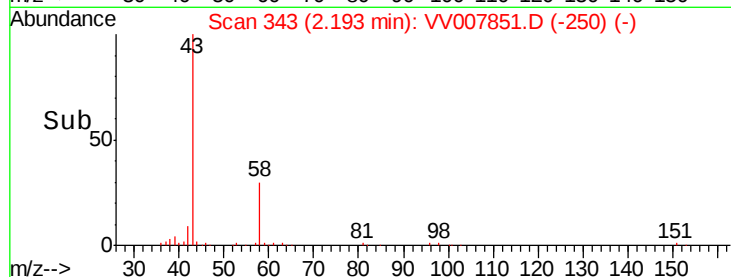
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Time-->

2.15

2.20

2.25



#14

Carbon disulfide

Concen: 50.768 ug/L

RT: 2.33 min Scan# 384

Delta R.T. 0.00 min

Lab File: VV007851.D

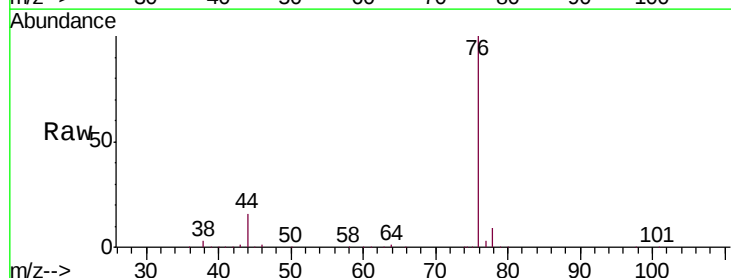
Acq: 25 Sep 2018 12:52

Tgt Ion: 76 Resp: 156793

Ion Ratio Lower Upper

76 100

78 9.5 7.6 11.4



Abundance Ion 76.00 (75.70 to 76.70): VV007851.D (-372) (-)

Ion 78.00 (77.70 to 78.70): VV007851.D (-372) (-)

2.33

120000

100000

80000

60000

40000

20000

0

Time-->

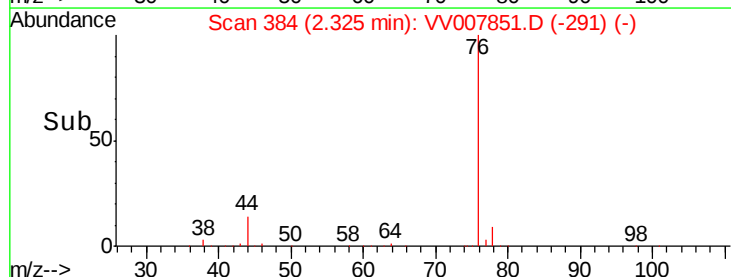
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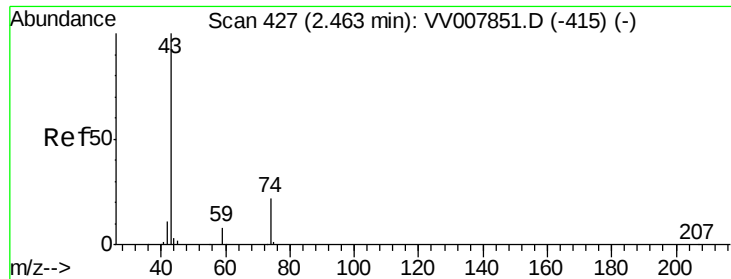
2.30

2.35

2.40

2.45

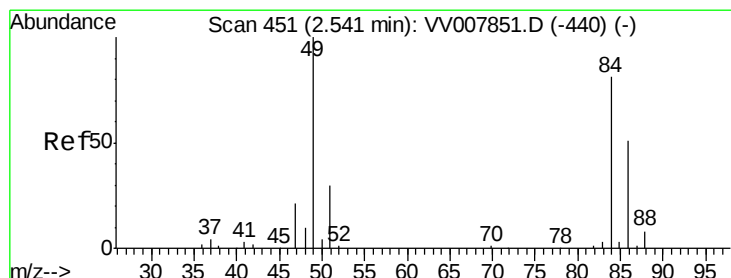
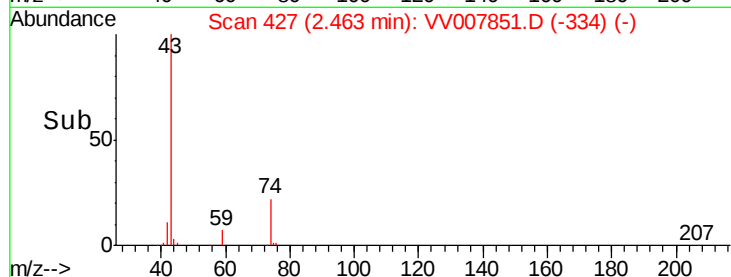
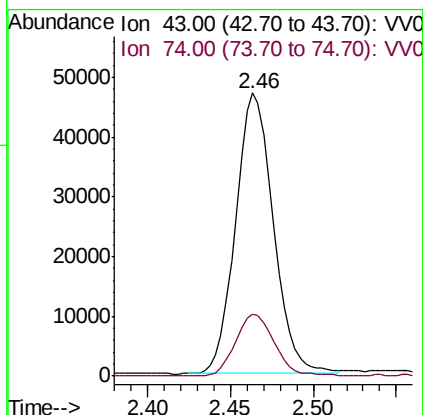
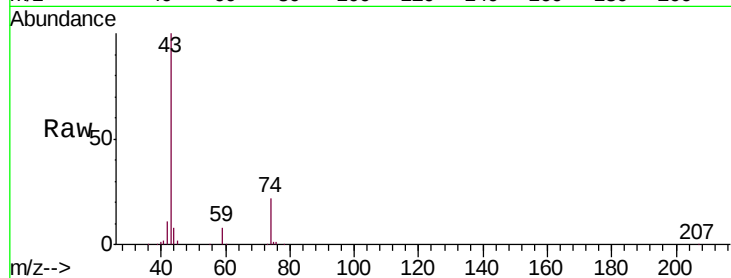




#15
Methyl Acetate
Concen: 51.888 ug/L
RT: 2.46 min Scan# 427
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

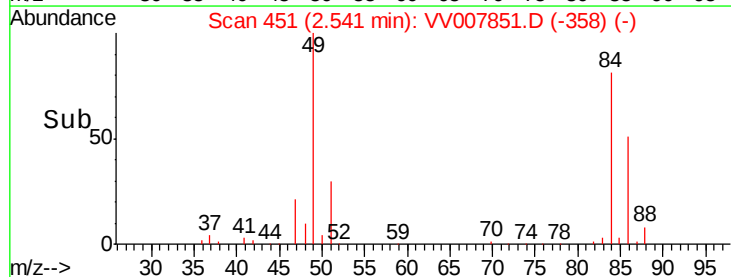
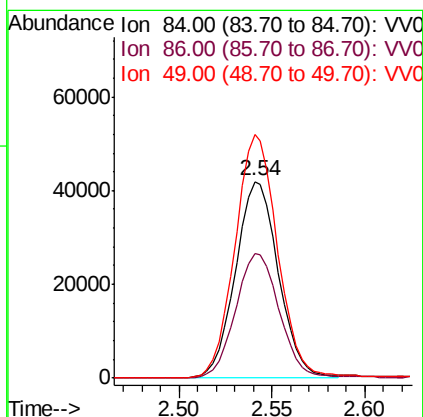
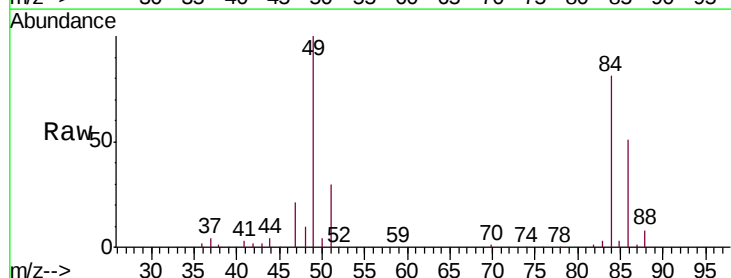
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

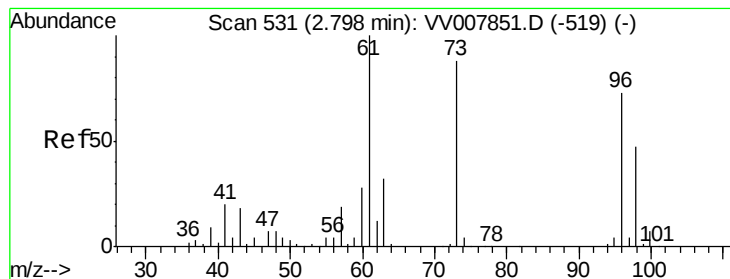
Tgt Ion: 43 Resp: 74538
Ion Ratio Lower Upper
43 100
74 22.8 18.2 27.4



#16
Methylene chloride
Concen: 51.474 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

Tgt Ion: 84 Resp: 67427
Ion Ratio Lower Upper
84 100
86 63.4 44.4 82.4
49 124.0 86.8 161.2





#17

trans-1,2-Dichloroethene

Concen: 51.417 ug/L

RT: 2.80 min Scan# 531

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

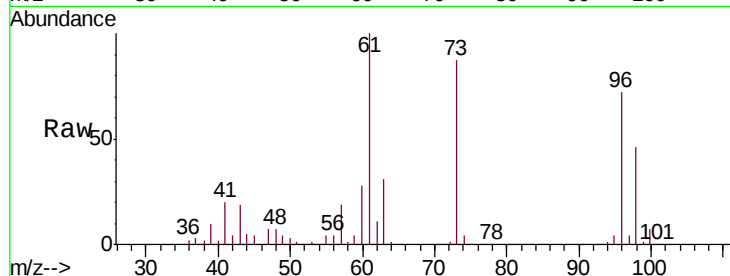
Tgt Ion: 96 Resp: 64936

Ion Ratio Lower Upper

96 100

61 138.3 96.8 179.8

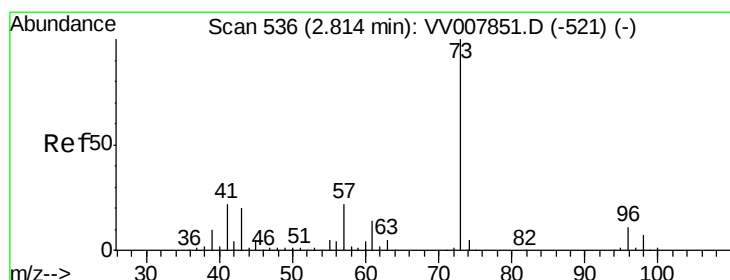
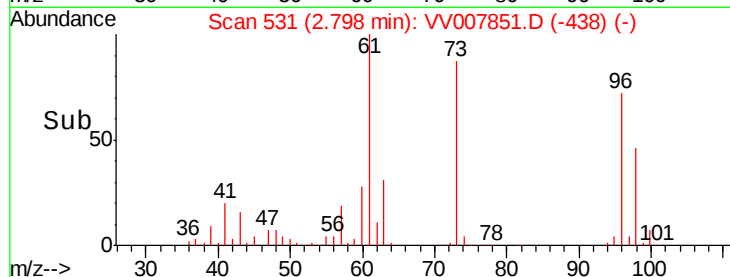
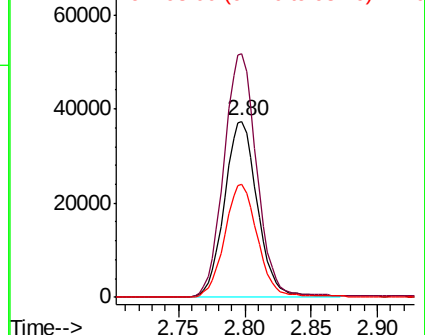
98 64.1 44.9 83.3



Abundance Ion 96.00 (95.70 to 96.70): VV007851.D (-519) (-)

Ion 61.00 (60.70 to 61.70): VV007851.D (-519) (-)

Ion 98.00 (97.70 to 98.70): VV007851.D (-519) (-)



#18

Methyl tert-butyl Ether

Concen: 51.893 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

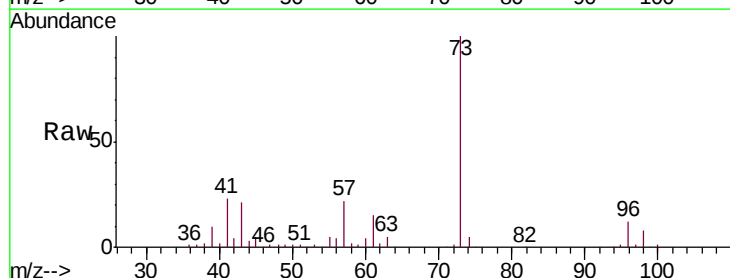
Tgt Ion: 73 Resp: 204198

Ion Ratio Lower Upper

73 100

43 20.3 16.2 24.4

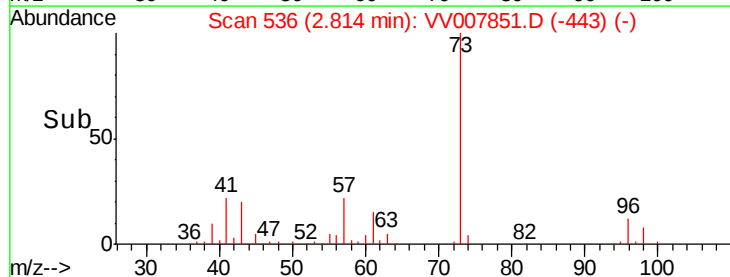
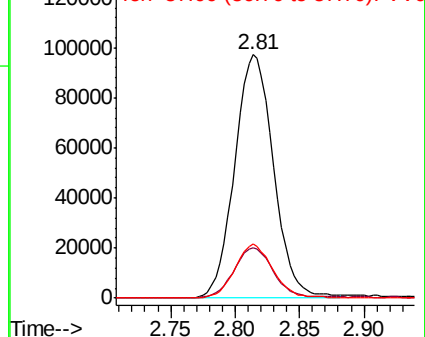
57 21.4 17.1 25.7

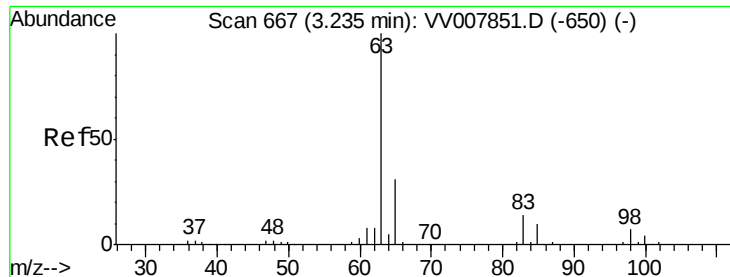


Abundance Ion 73.00 (72.70 to 73.70): VV007851.D (-521) (-)

Ion 43.00 (42.70 to 43.70): VV007851.D (-521) (-)

Ion 57.00 (56.70 to 57.70): VV007851.D (-521) (-)





#19

1,1-Dichloroethane

Concen: 51.587 ug/L

RT: 3.24 min Scan# 667

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

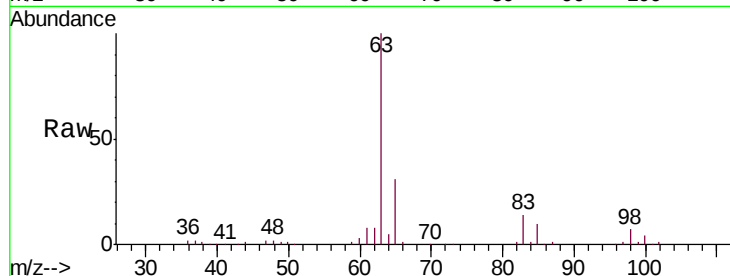
Tgt Ion: 63 Resp: 111803

Ion Ratio Lower Upper

63 100

65 31.3 21.9 40.7

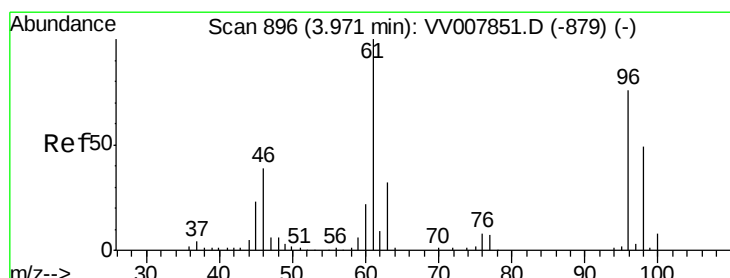
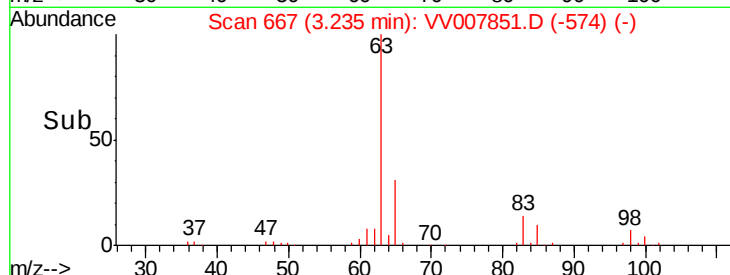
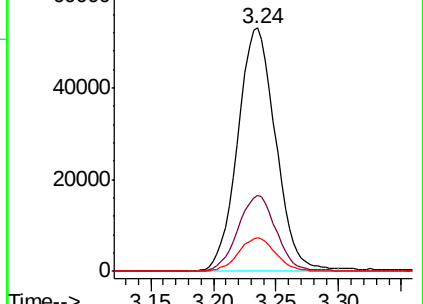
83 13.9 9.7 18.1



Abundance Ion 63.00 (62.70 to 63.70): VV007851.D (-650) (-)

Ion 65.00 (64.70 to 65.70): VV007851.D (-650) (-)

Ion 83.00 (82.70 to 83.70): VV007851.D (-650) (-)



#20

cis-1,2-Dichloroethene

Concen: 51.514 ug/L

RT: 3.97 min Scan# 896

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

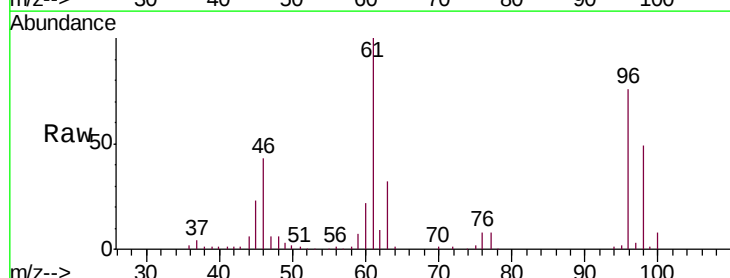
Tgt Ion: 96 Resp: 70492

Ion Ratio Lower Upper

96 100

61 132.3 92.6 172.0

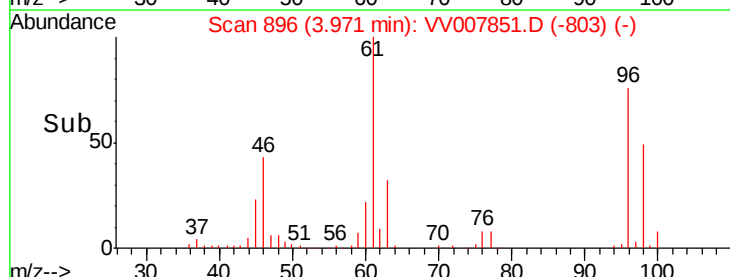
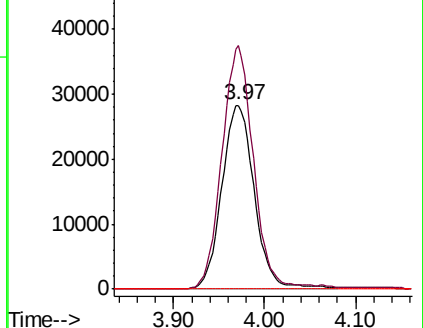
68 0.0 0.0 0.0

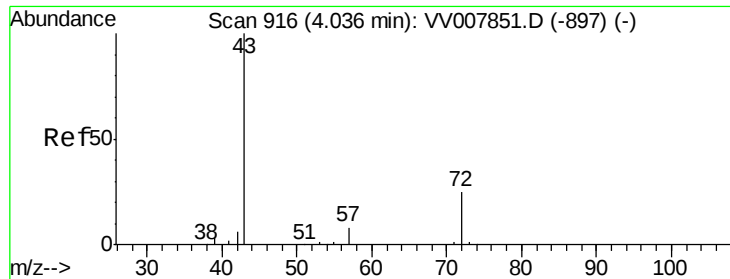


Abundance Ion 96.00 (95.70 to 96.70): VV007851.D (-879) (-)

Ion 61.00 (60.70 to 61.70): VV007851.D (-879) (-)

Ion 68.00 (67.70 to 68.70): VV007851.D (-879) (-)





#22

2-Butanone

Concen: 103.238 ug/L

RT: 4.04 min Scan# 916

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

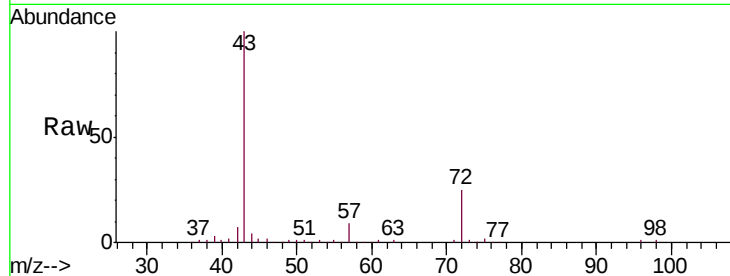
VSTD05066

Tgt Ion: 43 Resp: 115847

Ion Ratio Lower Upper

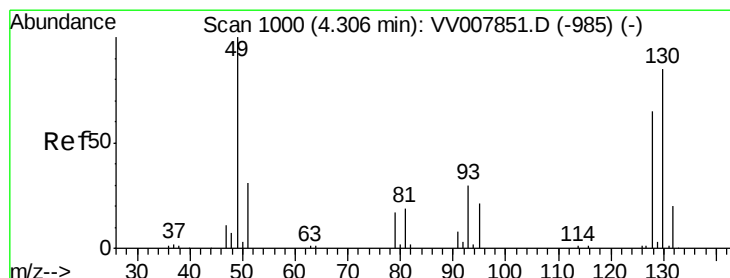
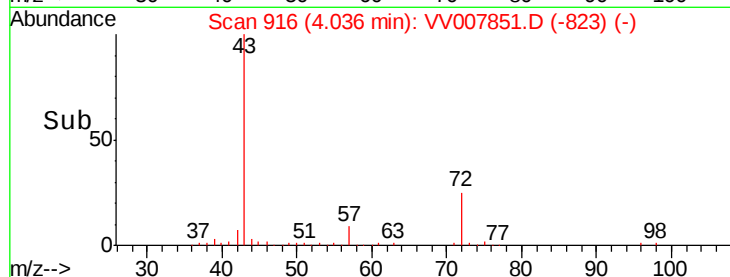
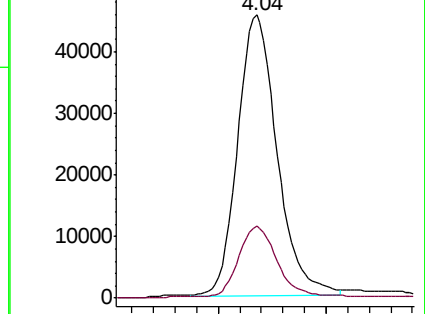
43 100

72 24.8 12.4 37.2



Abundance Ion 43.00 (42.70 to 43.70): VV007851.D (-897) (-)

Ion 72.00 (71.70 to 72.70): VV007851.D (-897) (-)



#23

Bromochloromethane

Concen: 51.454 ug/L

RT: 4.31 min Scan# 1000

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Tgt Ion: 128 Resp: 36633

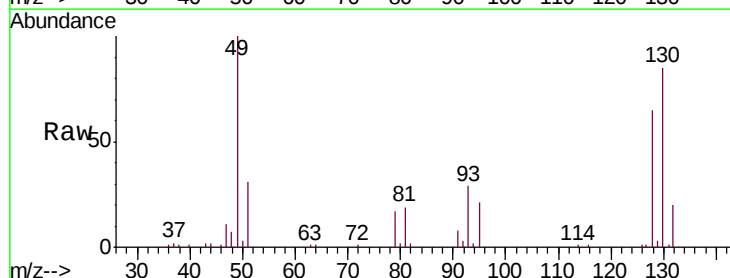
Ion Ratio Lower Upper

128 100

49 153.8 107.7 199.9

130 130.1 91.1 169.1

51 47.6 38.1 57.1

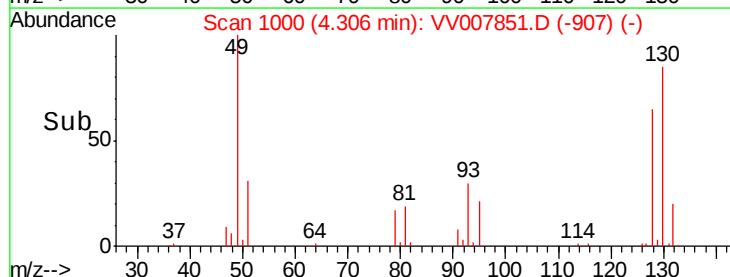
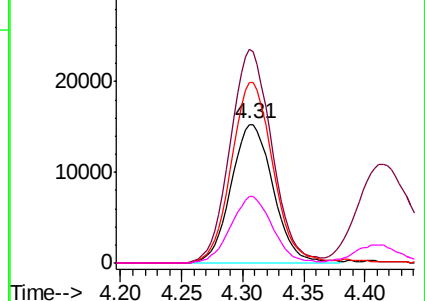


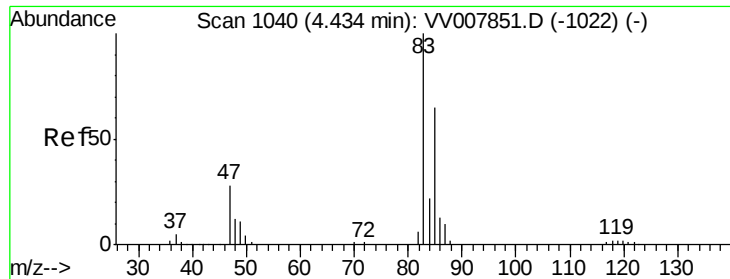
Abundance Ion 128.00 (127.70 to 128.70): VV007851.D (-985) (-)

Ion 49.00 (48.70 to 49.70): VV007851.D (-985) (-)

Ion 130.00 (129.70 to 130.70): VV007851.D (-985) (-)

Ion 51.00 (50.70 to 51.70): VV007851.D (-985) (-)

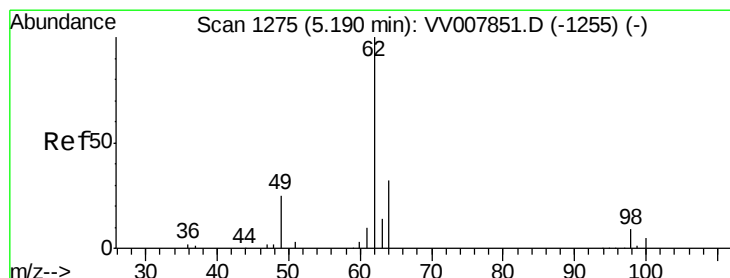
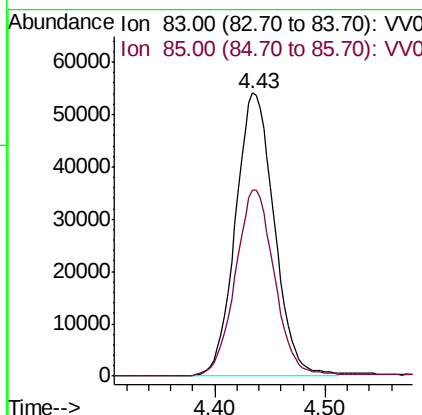
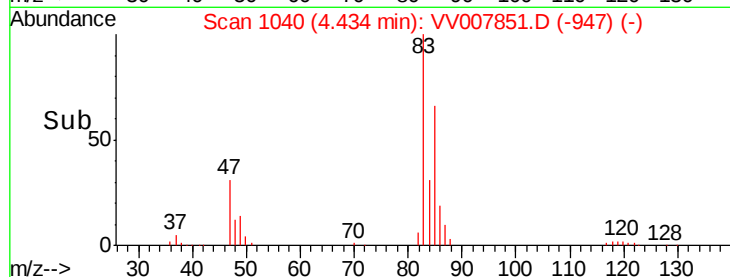
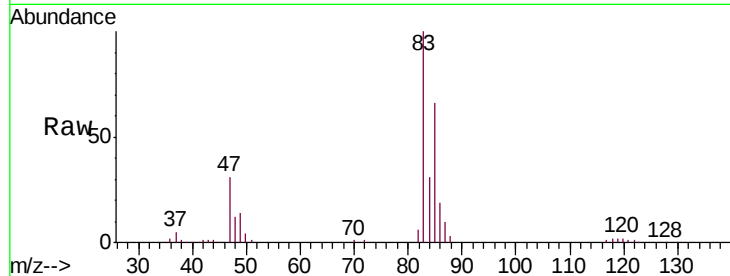




#25
Chloroform
Concen: 51.231 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

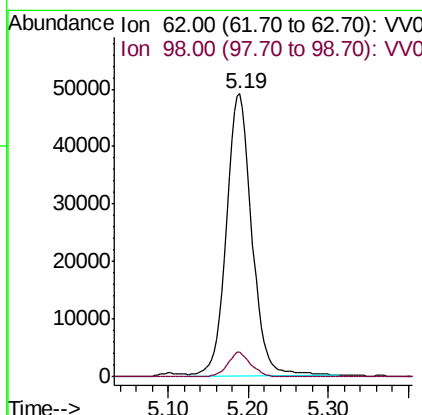
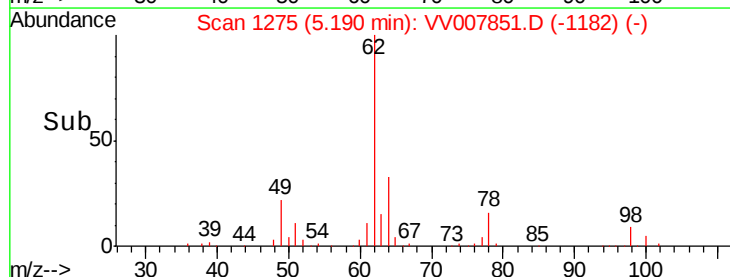
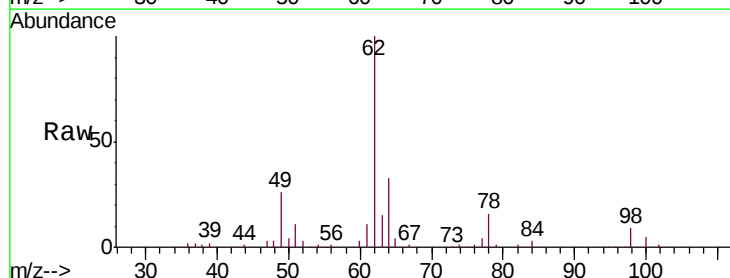
Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

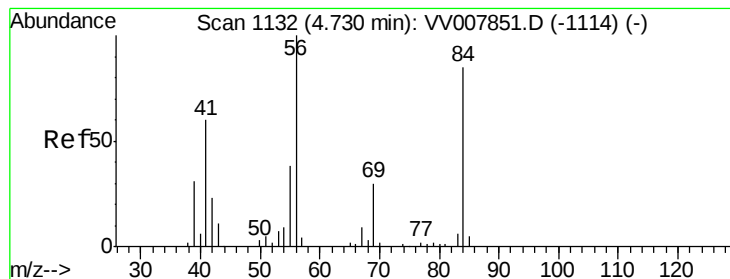
Tgt Ion: 83 Resp: 131783
Ion Ratio Lower Upper
83 100
85 65.6 45.9 85.3



#27
1,2-Dichloroethane
Concen: 52.528 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

Tgt Ion: 62 Resp: 107089
Ion Ratio Lower Upper
62 100
98 8.7 7.0 10.4





#29

Cyclohexane

Concen: 50.944 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

VSTD05066

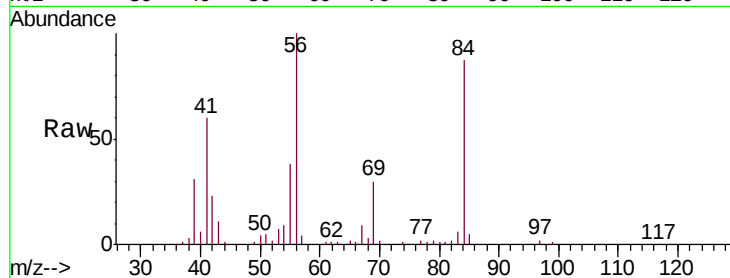
Tgt Ion: 56 Resp: 104472

Ion Ratio Lower Upper

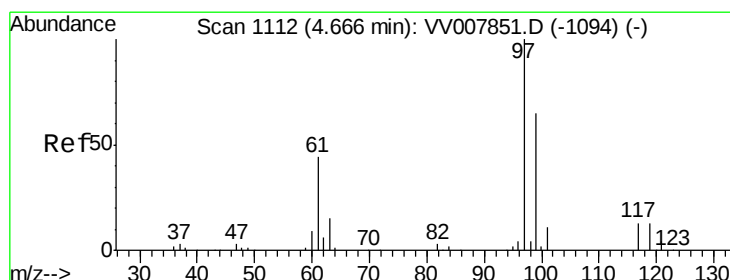
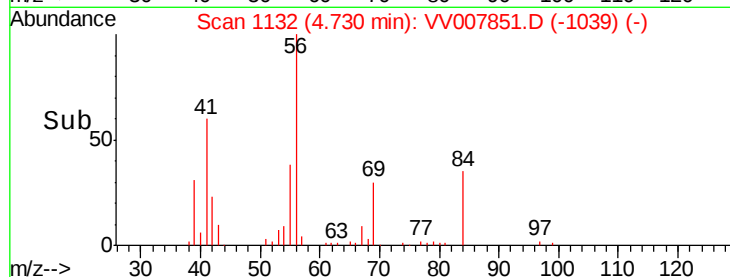
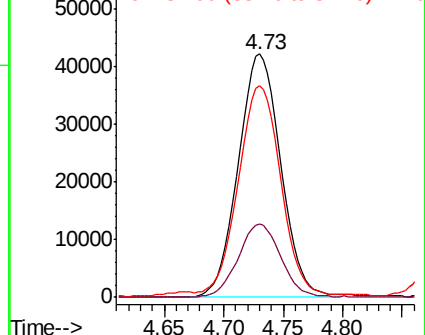
56 100

69 30.1 24.1 36.1

84 85.3 68.2 102.4



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



#30

1,1,1-Trichloroethane

Concen: 50.956 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

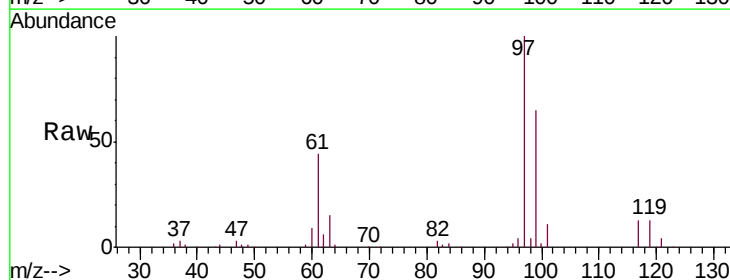
Tgt Ion: 97 Resp: 110672

Ion Ratio Lower Upper

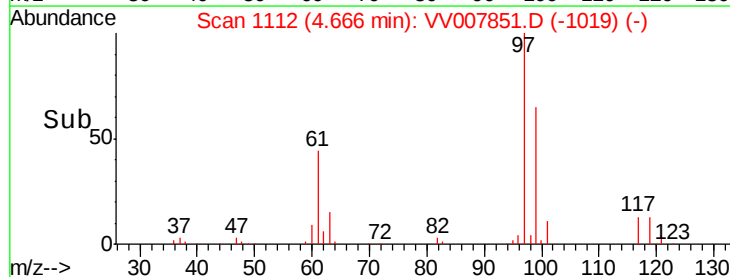
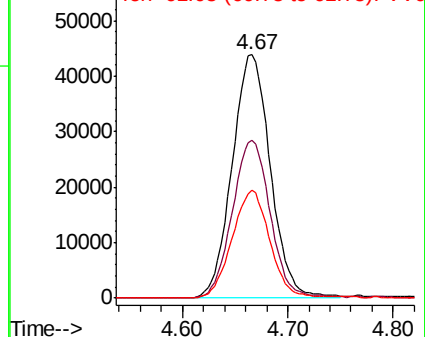
97 100

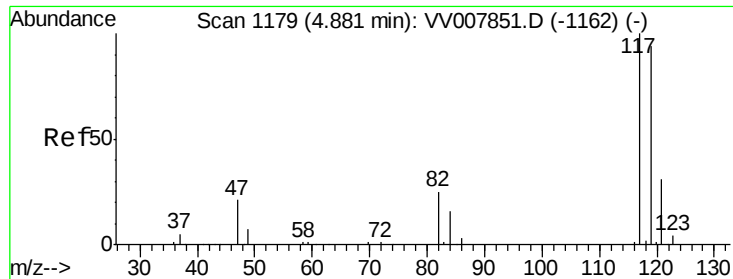
99 63.8 51.0 76.6

61 43.7 35.0 52.4



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 51.779 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

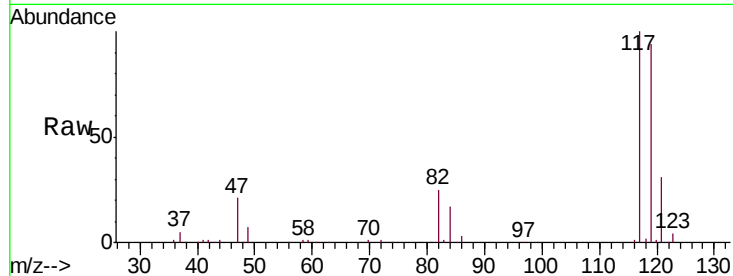
VSTD05066

Tgt Ion:117 Resp: 99357

Ion Ratio Lower Upper

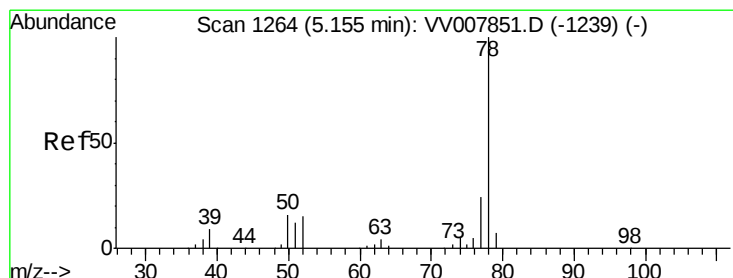
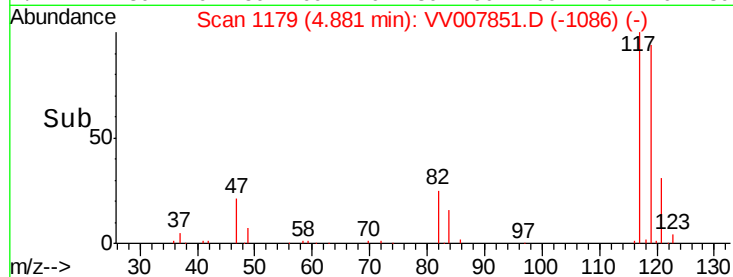
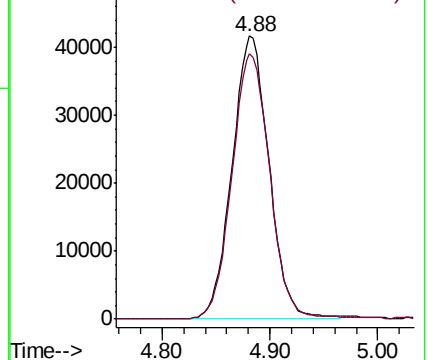
117 100

119 95.2 76.2 114.2



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.726 ug/L

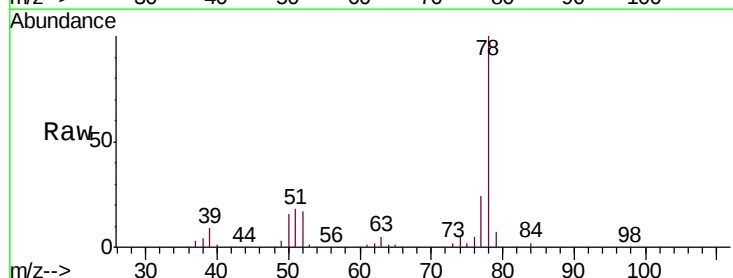
RT: 5.15 min Scan# 1264

Delta R.T. 0.00 min

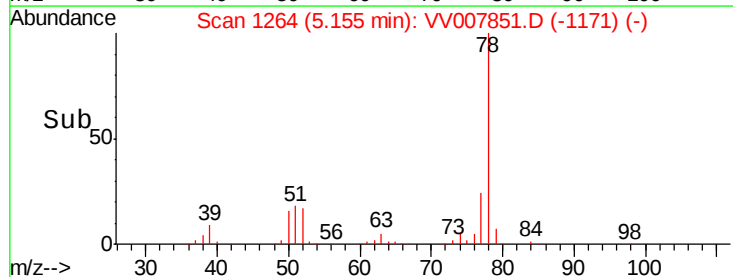
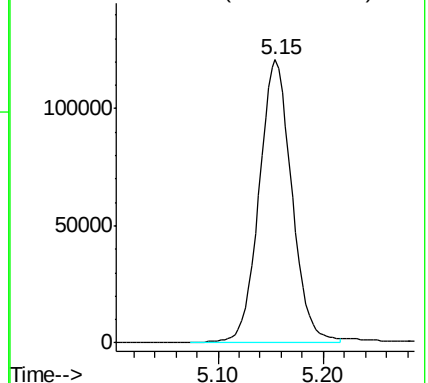
Lab File: VV007851.D

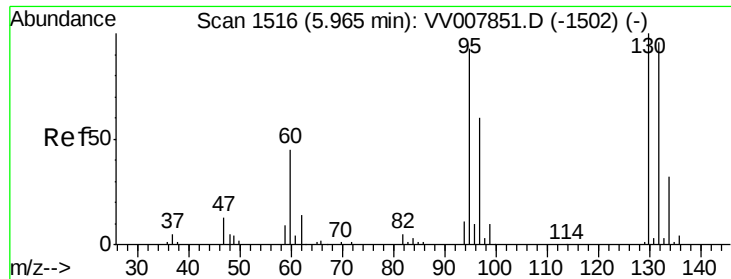
Acq: 25 Sep 2018 12:52

Tgt Ion: 78 Resp: 261577



Abundance Ion 78.00 (77.70 to 78.70): VV0

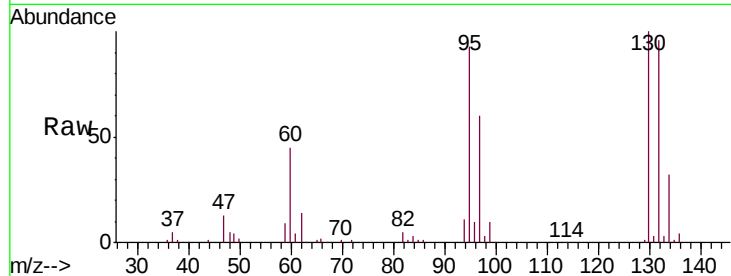




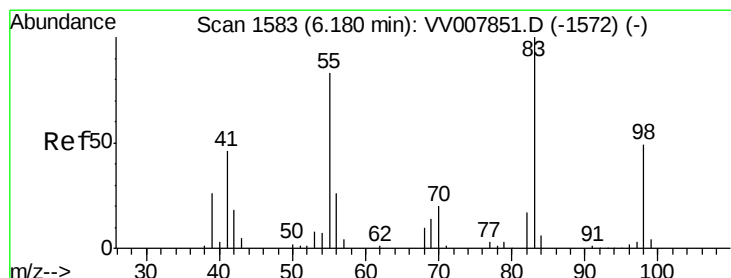
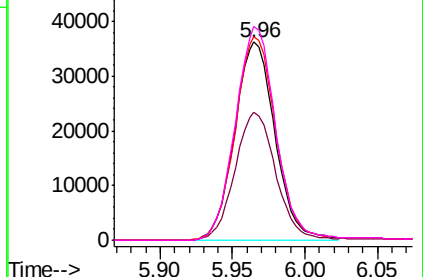
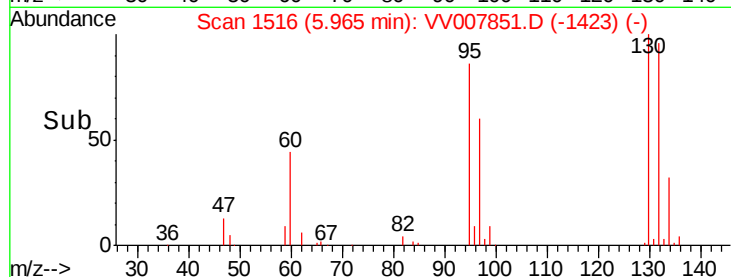
#34
 Trichloroethene
 Concen: 49.162 ug/L
 RT: 5.96 min Scan# 1516
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion: 95 Resp: 70322
 Ion Ratio Lower Upper
 95 100
 97 64.8 45.4 84.2
 132 103.1 72.2 134.0
 130 107.9 75.5 140.3

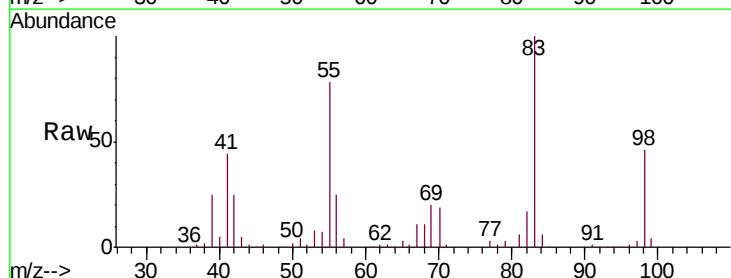


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

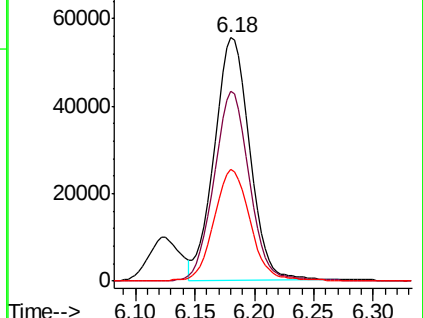
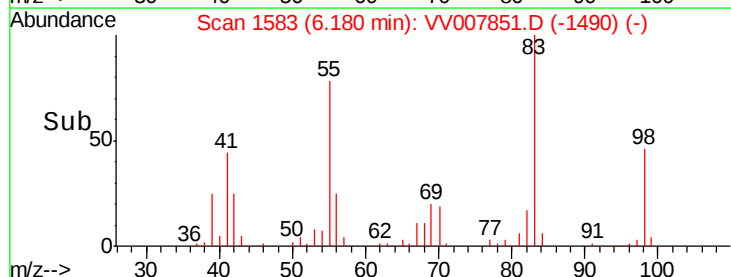


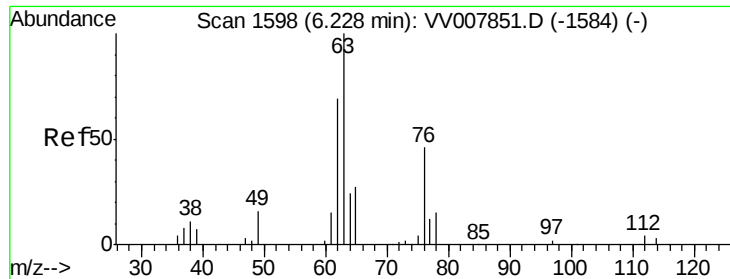
#35
 Methylcyclohexane
 Concen: 51.117 ug/L
 RT: 6.18 min Scan# 1583
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Tgt Ion: 83 Resp: 114710
 Ion Ratio Lower Upper
 83 100
 55 78.3 62.6 94.0
 98 47.0 37.6 56.4



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





#37

1,2-Dichloropropane

Concen: 50.618 ug/L

RT: 6.23 min Scan# 1598

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

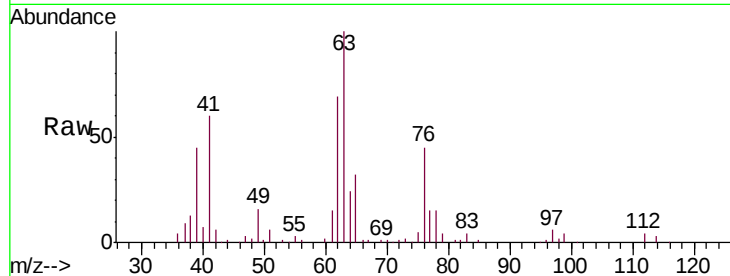
VSTD05066

Tgt Ion: 63 Resp: 69609

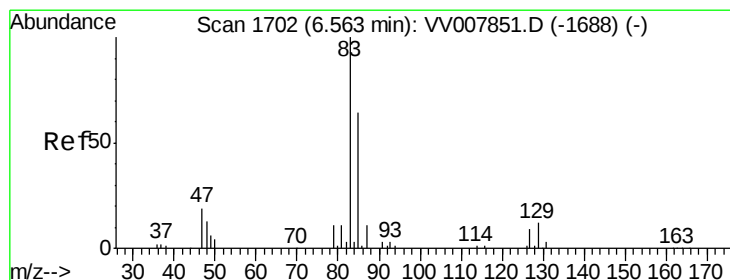
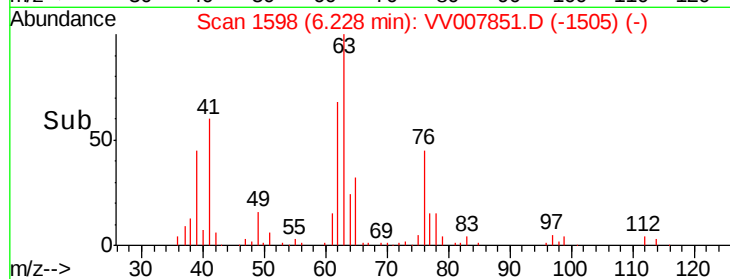
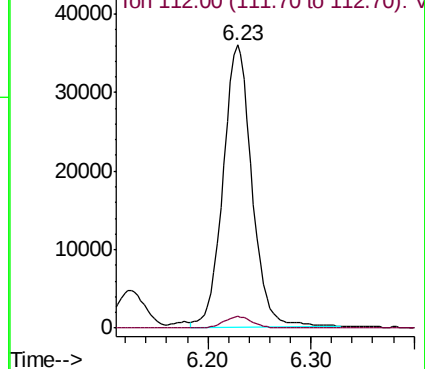
Ion Ratio Lower Upper

63 100

112 4.1 3.3 4.9



Abundance Ion 63.00 (62.70 to 63.70): VV007851.D (-1584) (-)



#38

Bromodichloromethane

Concen: 52.145 ug/L

RT: 6.56 min Scan# 1702

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

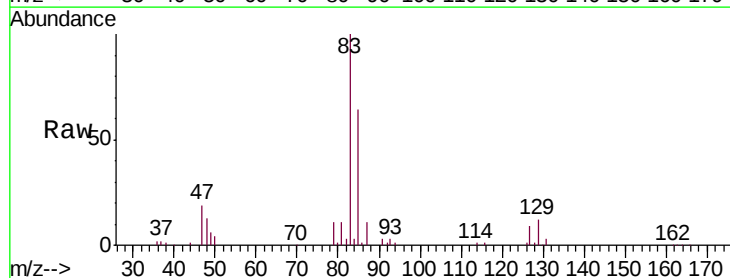
Tgt Ion: 83 Resp: 90758

Ion Ratio Lower Upper

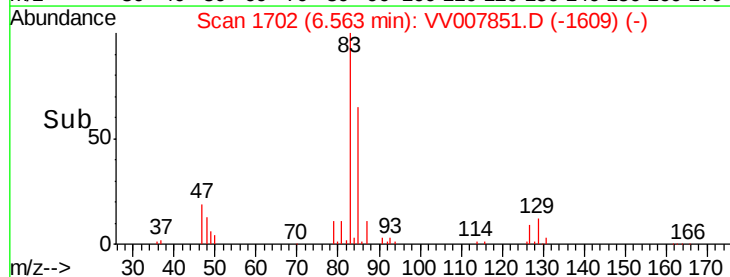
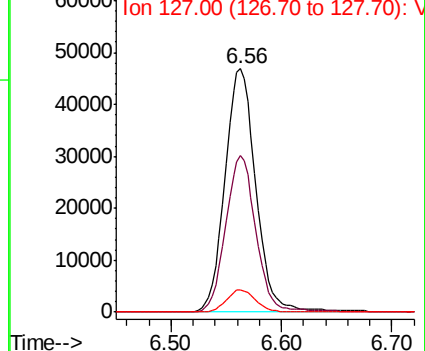
83 100

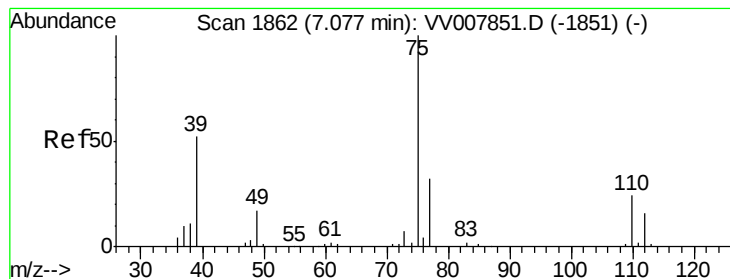
85 64.1 44.9 83.3

127 9.3 7.4 11.2



Abundance Ion 83.00 (82.70 to 83.70): VV007851.D (-1688) (-)



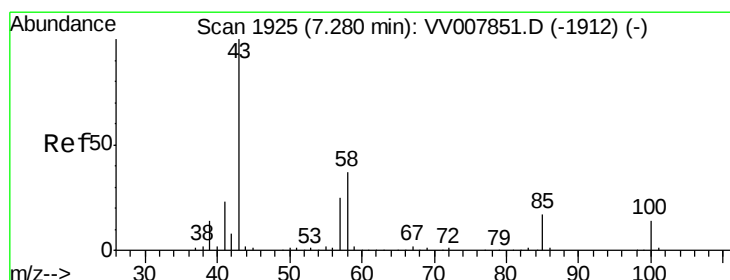
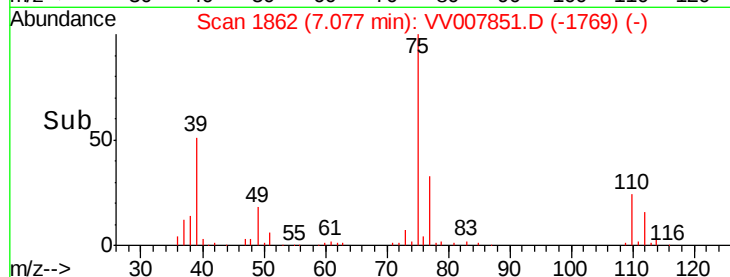
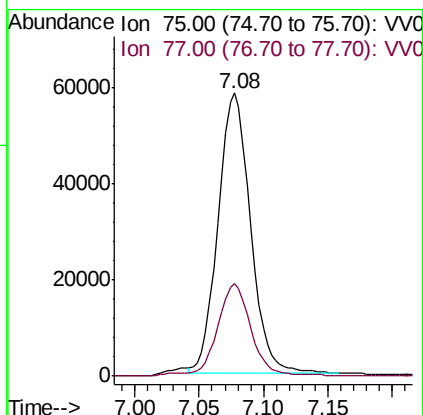
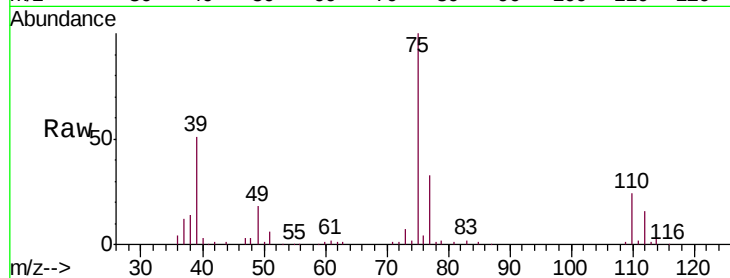


#39

cis-1,3-Dichloropropene
 Concen: 51.132 ug/L
 RT: 7.08 min Scan# 1862
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

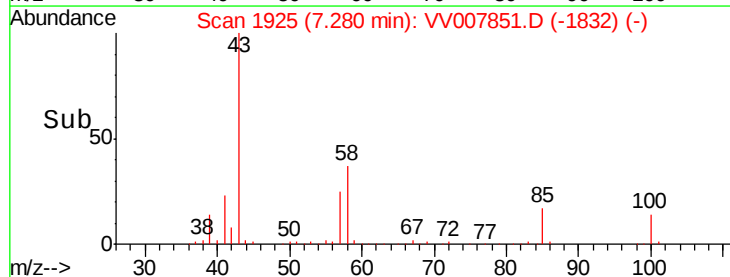
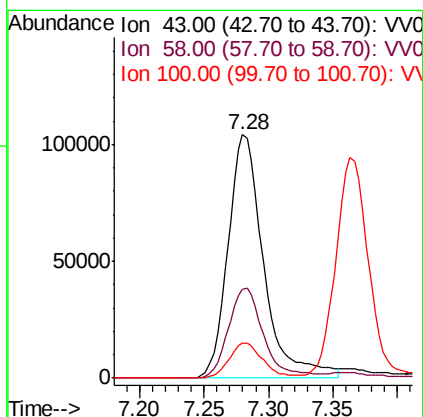
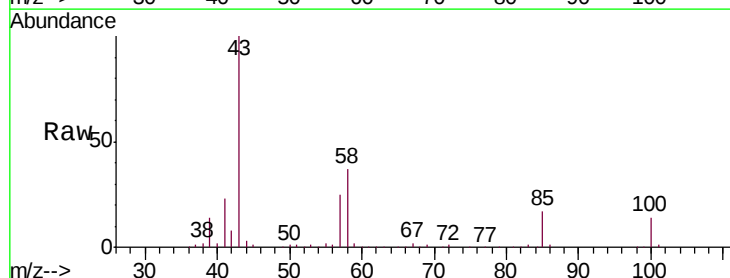
Tgt Ion: 75 Resp: 102083
 Ion Ratio Lower Upper
 75 100
 77 32.6 22.8 42.4

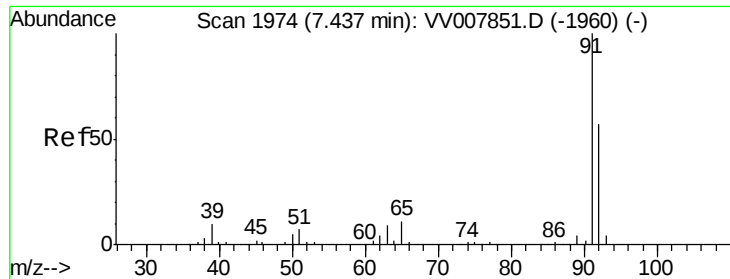


#40

4-Methyl-2-pentanone
 Concen: 103.076 ug/L
 RT: 7.28 min Scan# 1925
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Tgt Ion: 43 Resp: 200313
 Ion Ratio Lower Upper
 43 100
 58 36.6 29.3 43.9
 100 13.7 11.0 16.4





#42

Toluene

Concen: 51.744 ug/L

RT: 7.44 min Scan# 1974

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

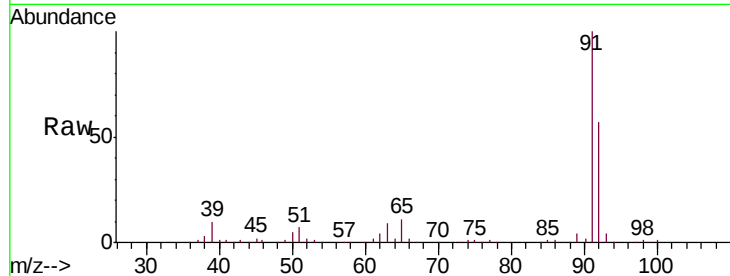
VSTD05066

Tgt Ion: 91 Resp: 300627

Ion Ratio Lower Upper

91 100

92 56.8 39.8 73.8



Abundance Ion 91.00 (90.70 to 91.70): VV007851.D (-1960) (-)

Ion 92.00 (91.70 to 92.70): VV007851.D (-1960) (-)

7.44

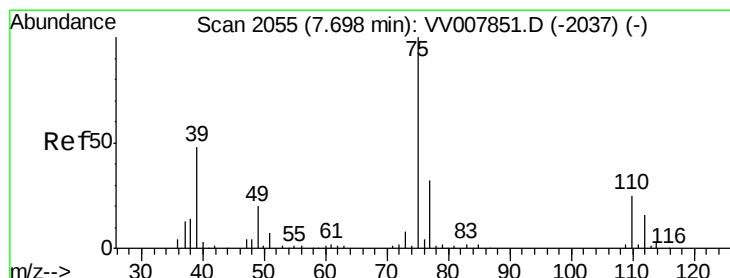
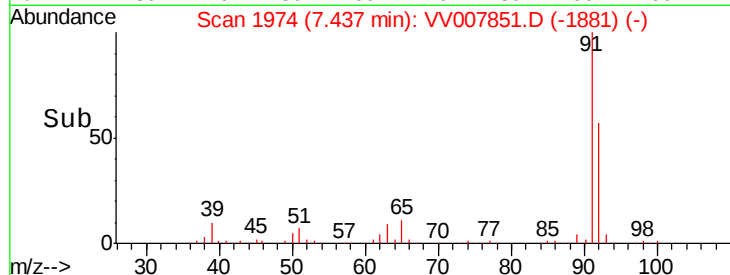
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 52.061 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007851.D

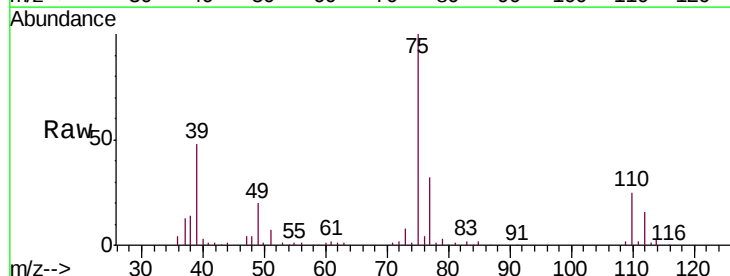
Acq: 25 Sep 2018 12:52

Tgt Ion: 75 Resp: 103304

Ion Ratio Lower Upper

75 100

77 32.2 22.5 41.9



Abundance Ion 75.00 (74.70 to 75.70): VV007851.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV007851.D (-2037) (-)

7.70

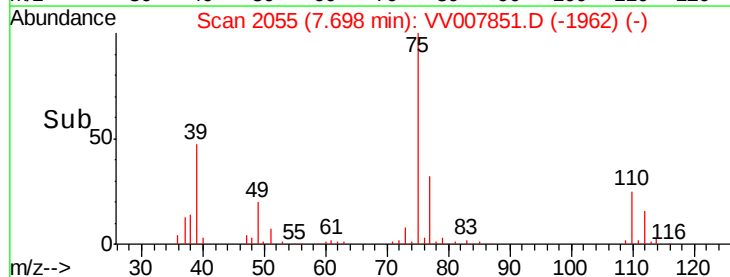
60000

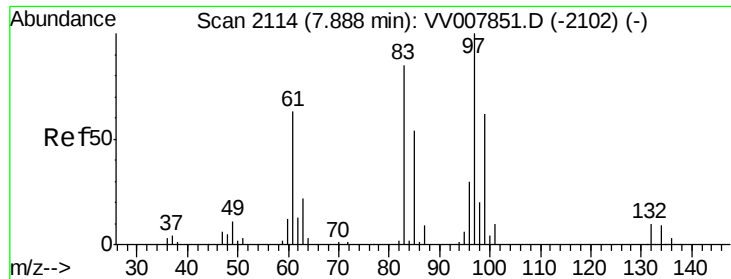
40000

20000

0

Time-->

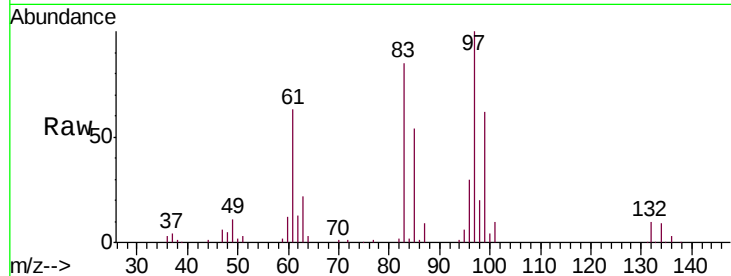




#45
 1,1,2-Trichloroethane
 Concen: 51.176 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:	97	Resp:	70329
Ion	Ratio	Lower	Upper
97	100		
99	62.4	43.7	81.1
83	85.2	59.6	110.8
85	53.9	37.7	70.1



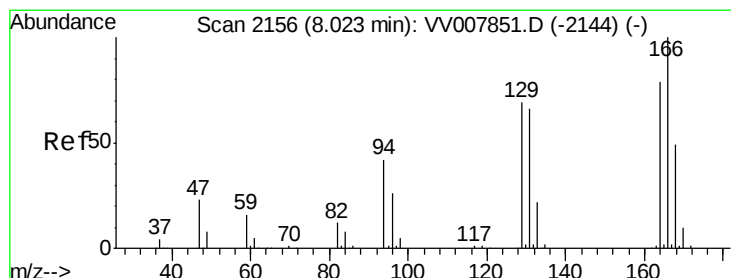
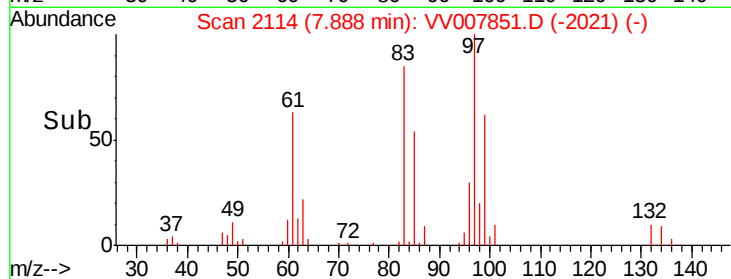
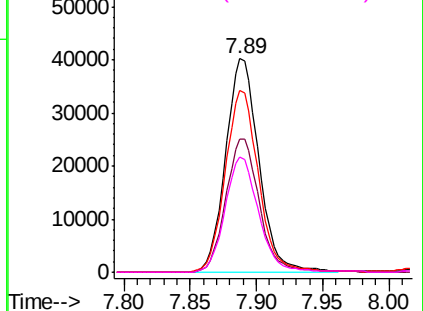
Abundance

Ion 97.00 (96.70 to 97.70): VV0

Ion 99.00 (98.70 to 99.70): VV0

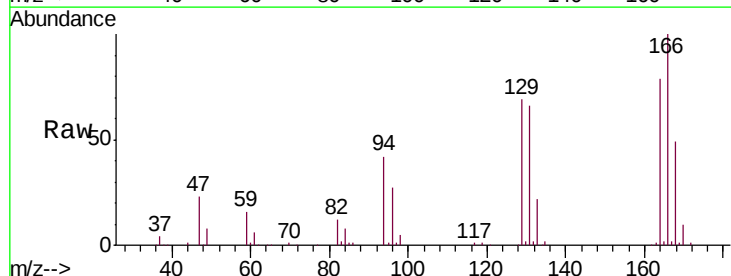
Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0



#46
 Tetrachloroethene
 Concen: 49.444 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Tgt Ion:	164	Resp:	67961
Ion	Ratio	Lower	Upper
164	100		
129	87.0	60.9	113.1
131	84.0	58.8	109.2
166	126.8	88.8	164.8



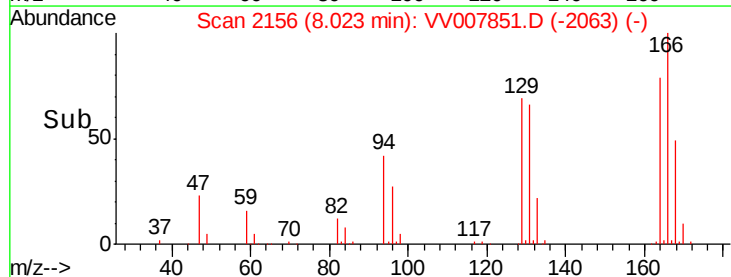
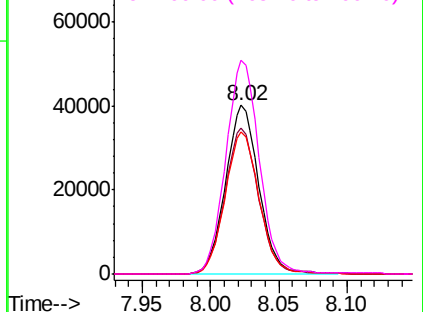
Abundance

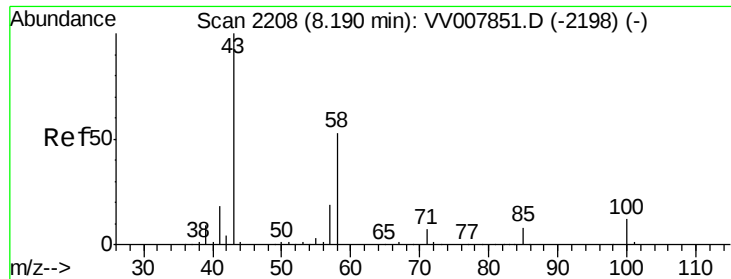
Ion 164.00 (163.70 to 164.70): V

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

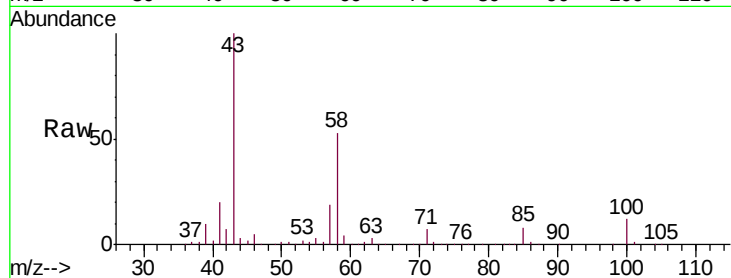




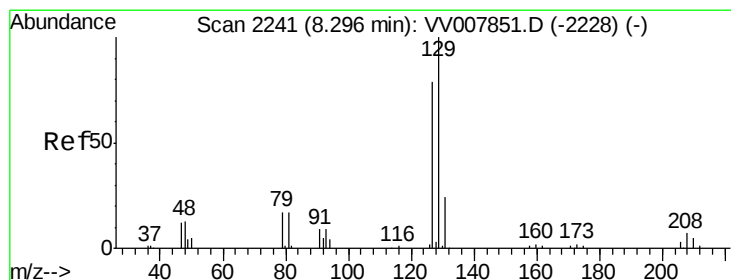
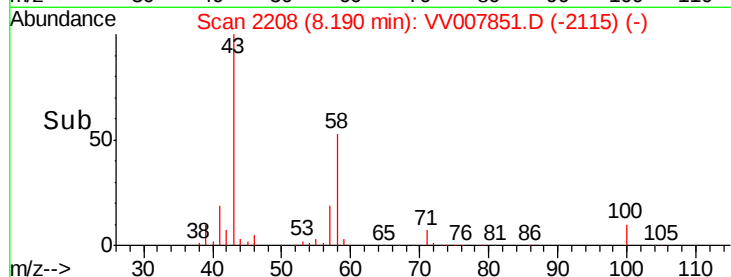
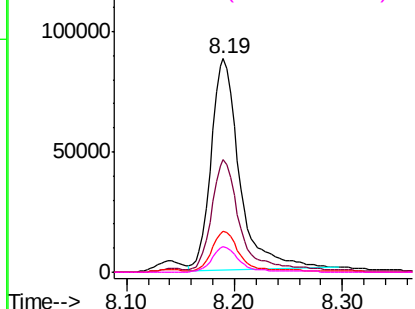
#48
2-Hexanone
Concen: 105.086 ug/L
RT: 8.19 min Scan# 2208
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion: 43 Resp: 161407
Ion Ratio Lower Upper
43 100
58 51.4 41.1 61.7
57 17.9 14.3 21.5
100 12.4 9.9 14.9

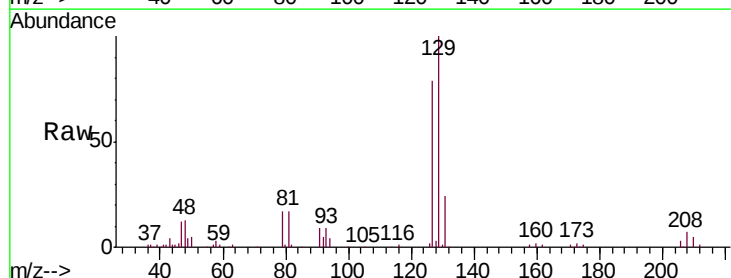


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

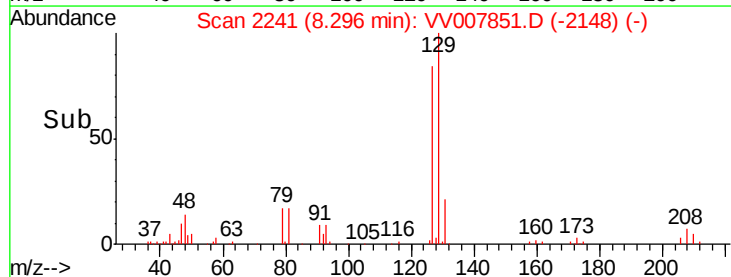
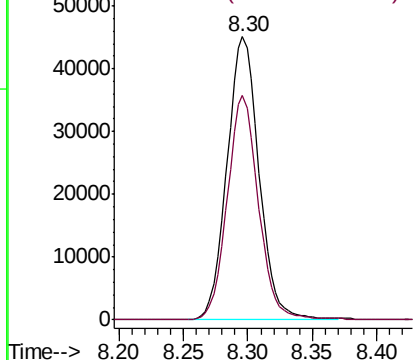


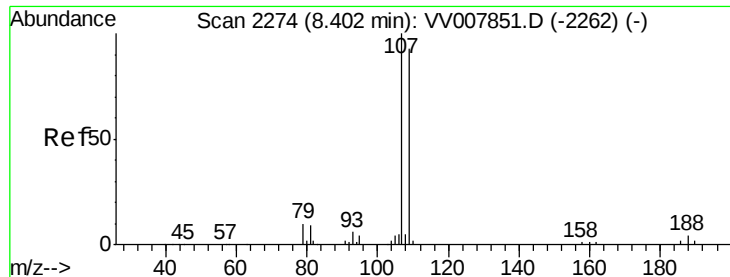
#49
Dibromochloromethane
Concen: 51.869 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

Tgt Ion: 129 Resp: 77942
Ion Ratio Lower Upper
129 100
127 79.3 55.5 103.1



Abundance Ion 129.00 (128.70 to 129.70): V
Ion 127.00 (126.70 to 127.70): V

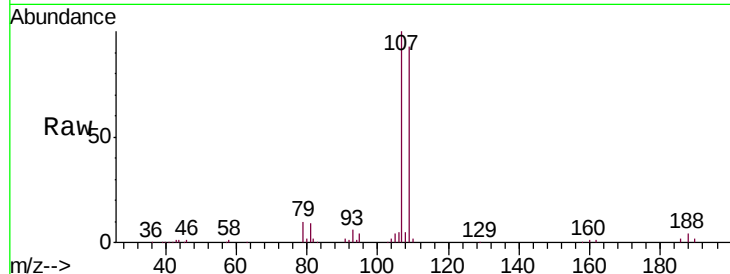




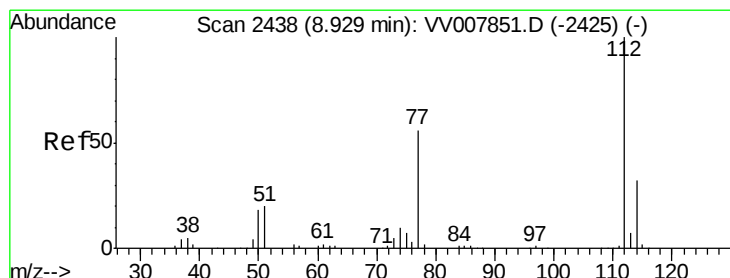
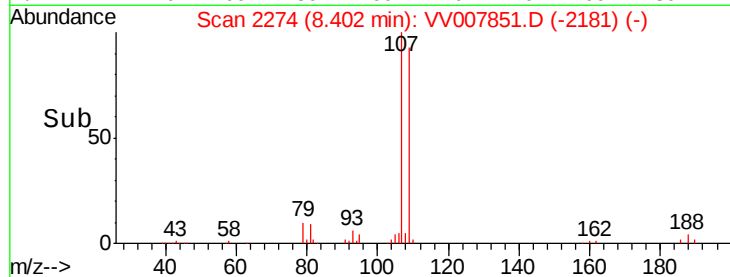
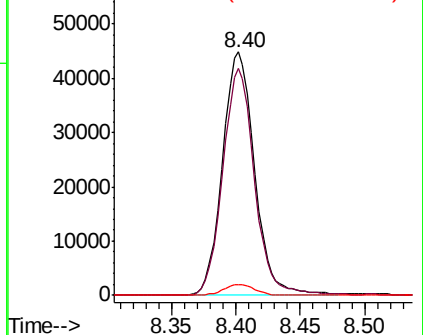
#50
 1,2-Dibromoethane
 Concen: 52.462 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:107 Resp: 77522
 Ion Ratio Lower Upper
 107 100
 109 93.3 65.3 121.3
 188 4.4 3.5 5.3

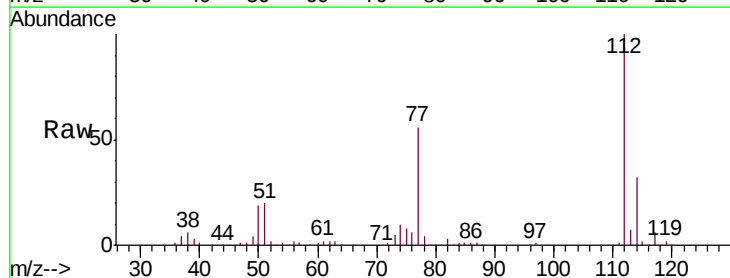


Abundance Ion 107.00 (106.70 to 107.70): V
 Ion 109.00 (108.70 to 109.70): V
 Ion 188.00 (187.70 to 188.70): V

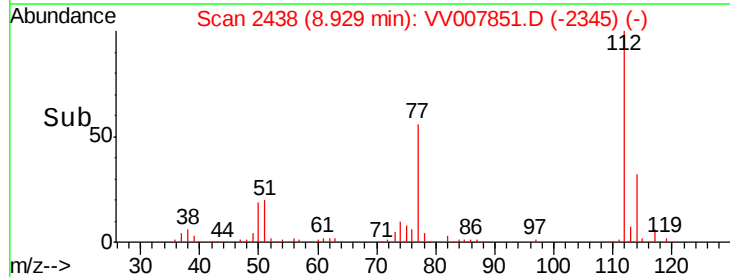
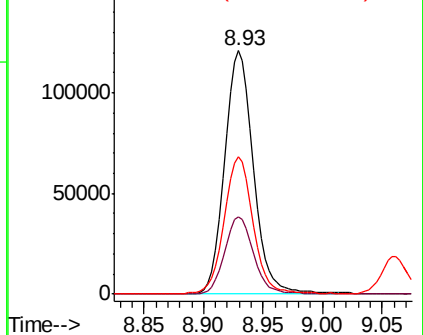


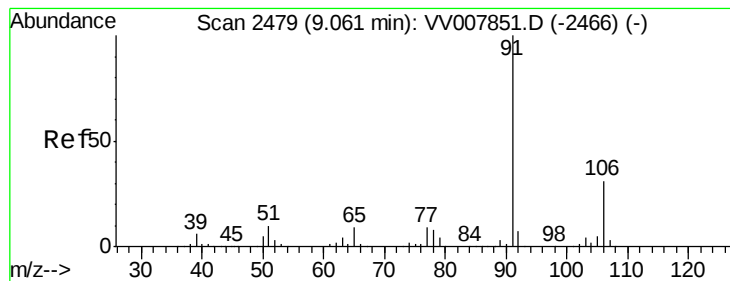
#51
 Chlorobenzene
 Concen: 50.579 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Tgt Ion:112 Resp: 203398
 Ion Ratio Lower Upper
 112 100
 114 31.9 22.3 41.5
 77 56.5 45.2 67.8



Abundance Ion 112.00 (111.70 to 112.70): V
 Ion 114.00 (113.70 to 114.70): V
 Ion 77.00 (76.70 to 77.70): V





#52

Ethylbenzene

Concen: 51.271 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

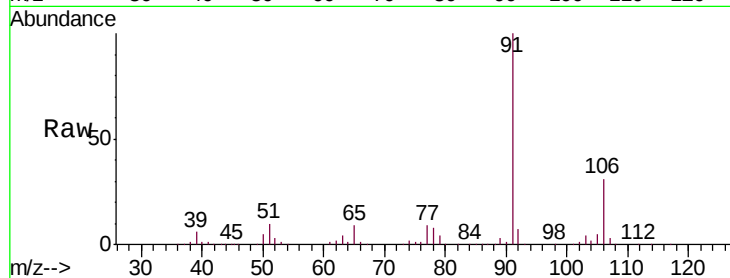
VSTD05066

Tgt Ion: 91 Resp: 336478

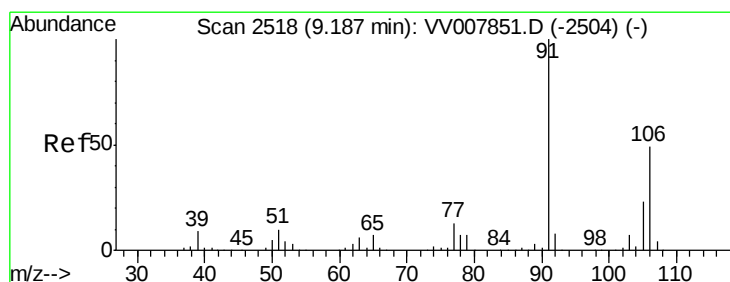
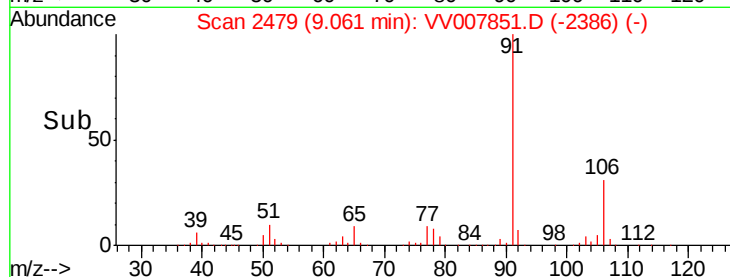
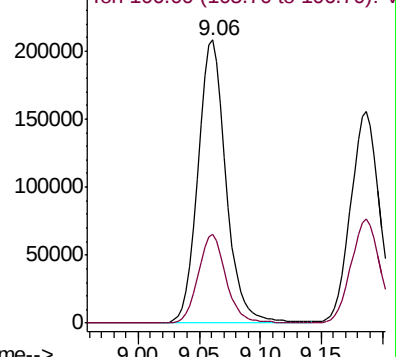
Ion Ratio Lower Upper

91 100

106 31.3 21.9 40.7



Abundance Ion 91.00 (90.70 to 91.70): VV007851.D (-2466) (-)



#53

m,p-Xylene

Concen: 51.098 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007851.D

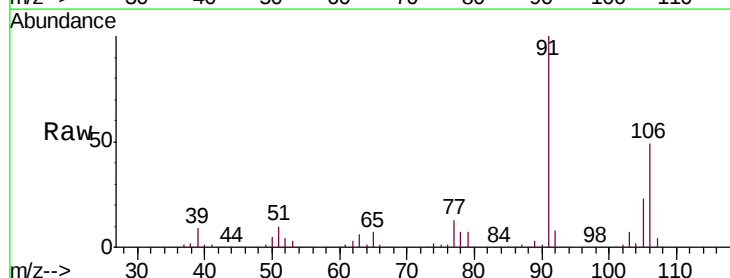
Acq: 25 Sep 2018 12:52

Tgt Ion: 106 Resp: 127763

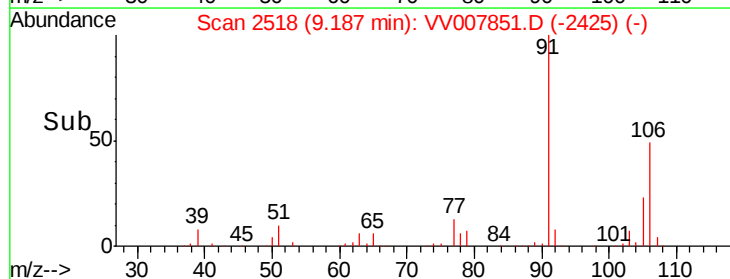
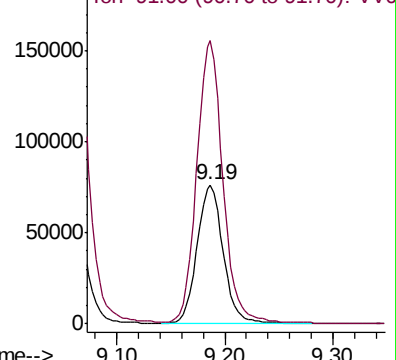
Ion Ratio Lower Upper

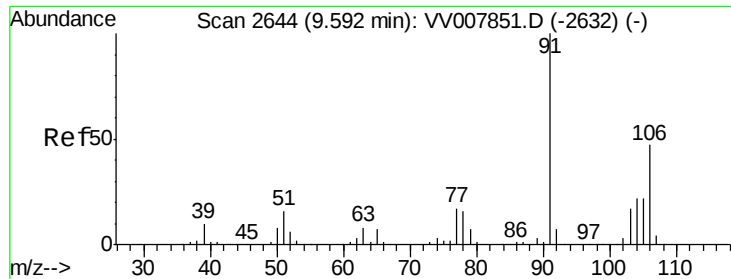
106 100

91 203.3 142.3 264.3



Abundance Ion 106.00 (105.70 to 106.70): VV007851.D (-2504) (-)

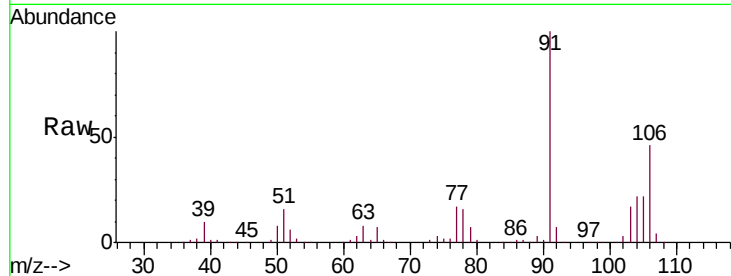




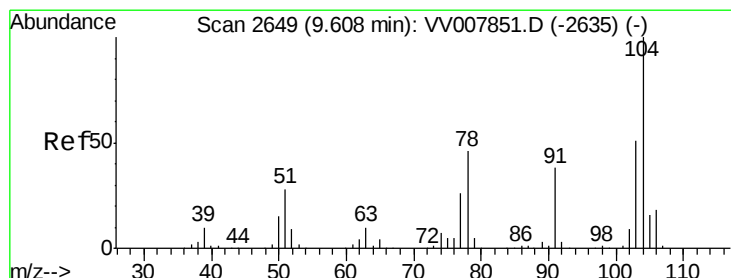
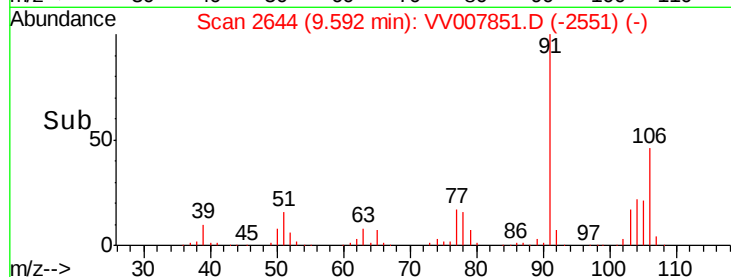
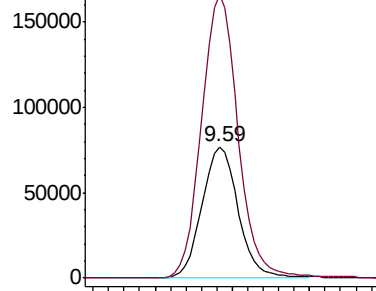
#54
o-xylene
Concen: 51.501 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05066

Tgt Ion:106 Resp: 125089
Ion Ratio Lower Upper
106 100
91 215.1 150.6 279.6

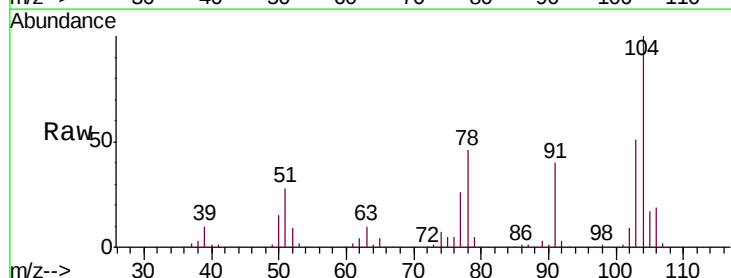


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

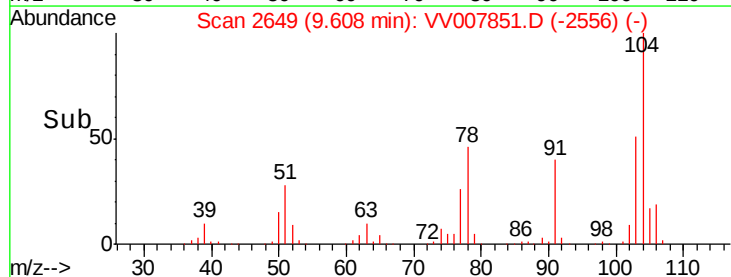
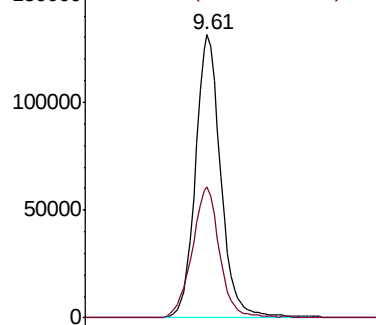


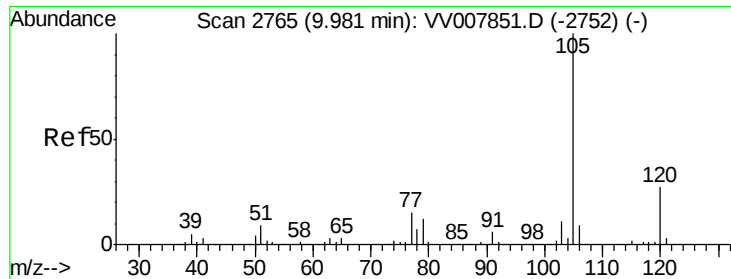
#55
Styrene
Concen: 52.435 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007851.D
Acq: 25 Sep 2018 12:52

Tgt Ion:104 Resp: 218142
Ion Ratio Lower Upper
104 100
78 46.2 32.3 60.1



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





#56

Isopropylbenzene

Concen: 51.801 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampled :

VSTD05066

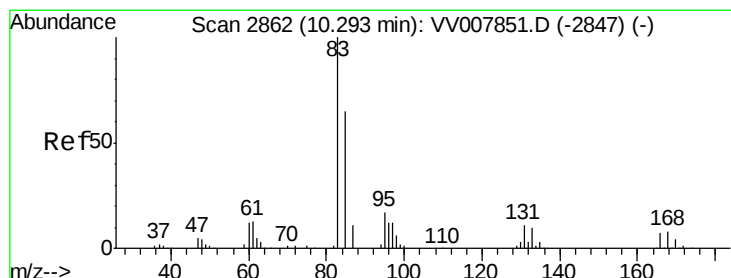
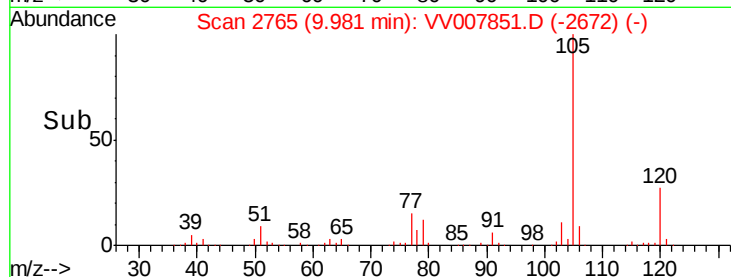
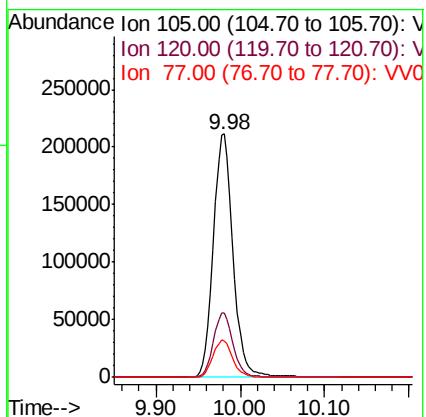
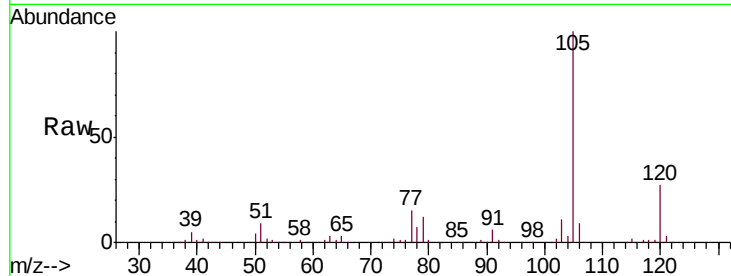
Tgt Ion: 105 Resp: 342930

Ion Ratio Lower Upper

105 100

120 26.3 21.0 31.6

77 15.6 12.5 18.7



#58

1,1,2,2-Tetrachloroethane

Concen: 51.720 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

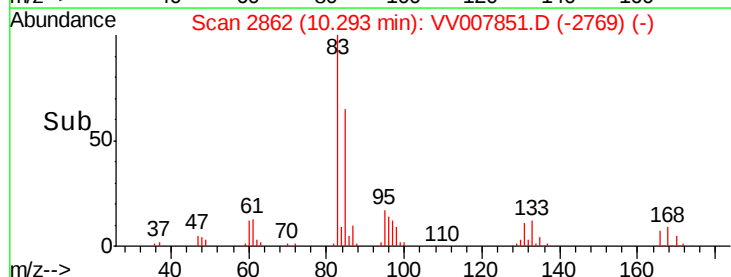
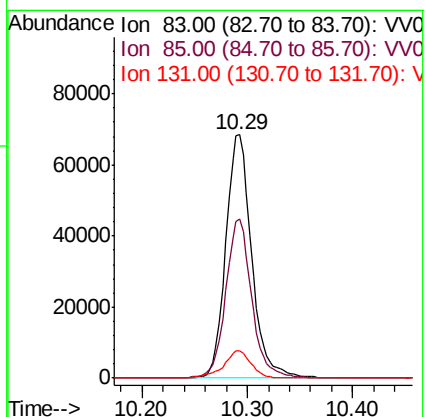
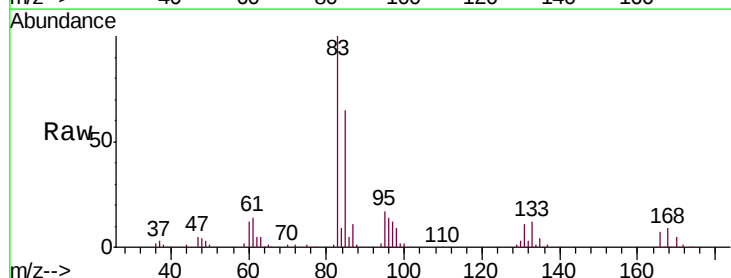
Tgt Ion: 83 Resp: 116157

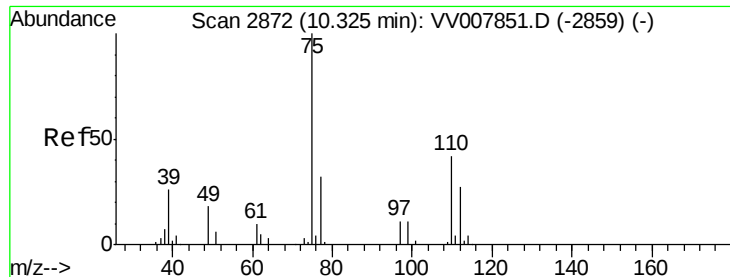
Ion Ratio Lower Upper

83 100

85 65.4 45.8 85.0

131 11.2 9.0 13.4





#59

1,2,3-Trichloropropane

Concen: 51.464 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

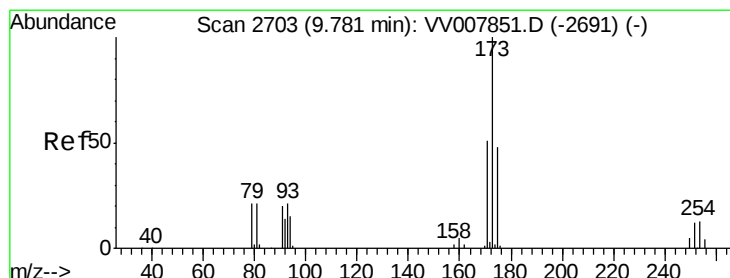
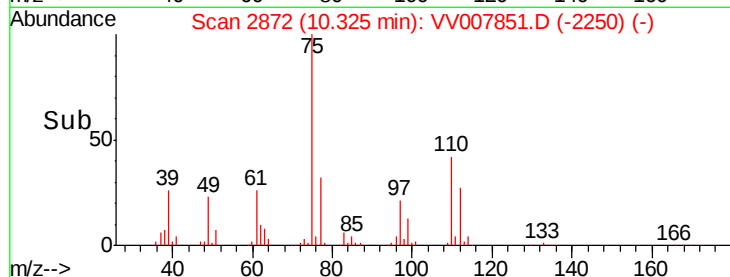
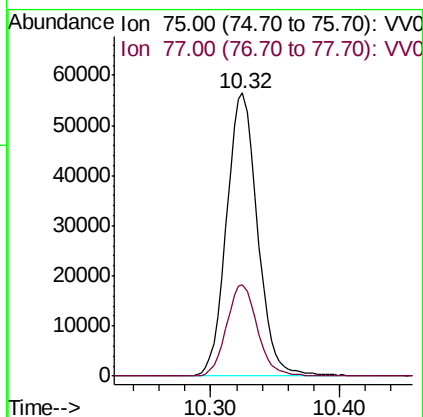
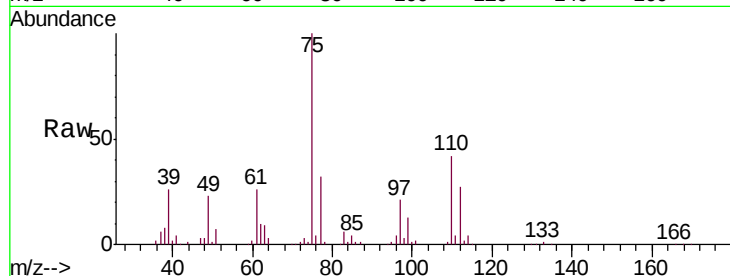
VSTD05066

Tgt Ion: 75 Resp: 94216

Ion Ratio Lower Upper

75 100

77 32.2 25.8 38.6



#61

Bromoform

Concen: 52.146 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

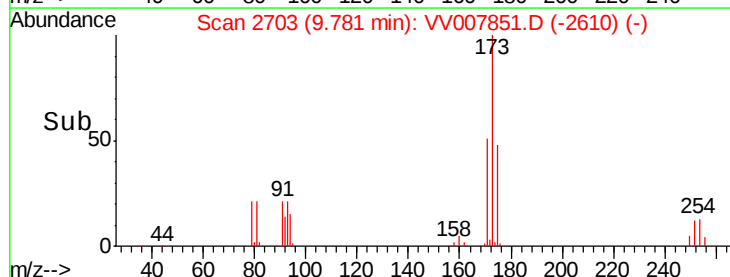
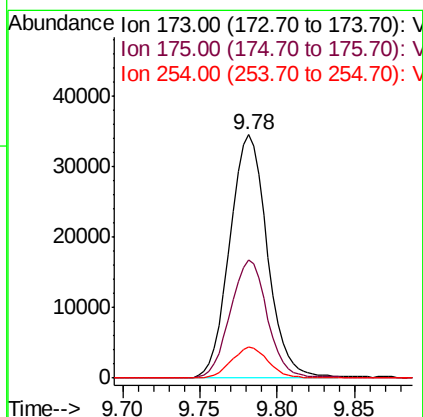
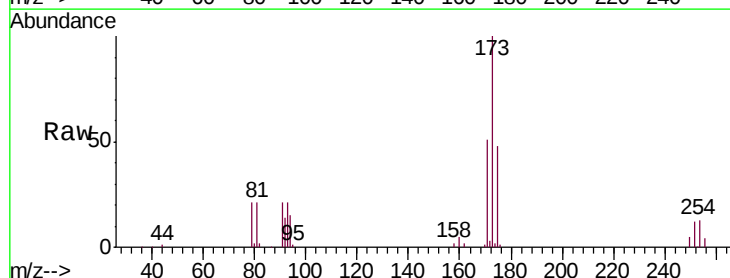
Tgt Ion: 173 Resp: 58338

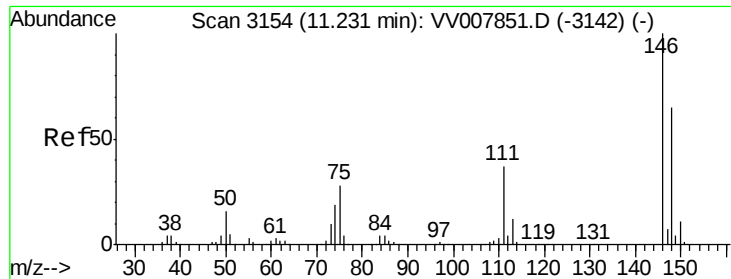
Ion Ratio Lower Upper

173 100

175 48.1 38.5 57.7

254 12.4 9.9 14.9





#62

1,3-Dichlorobenzene

Concen: 51.332 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

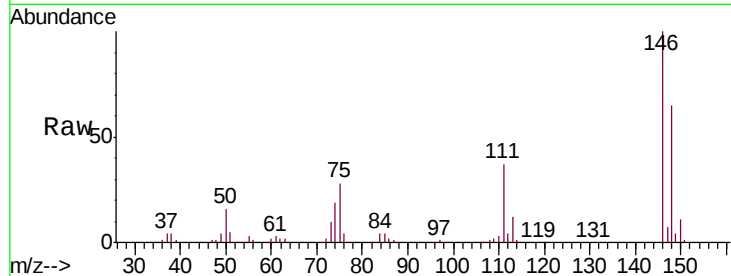
Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

Tgt Ion:	146	Resp:	170387
Ion	Ratio	Lower	Upper
146	100		
111	36.5	25.6	47.4
148	64.8	45.4	84.2

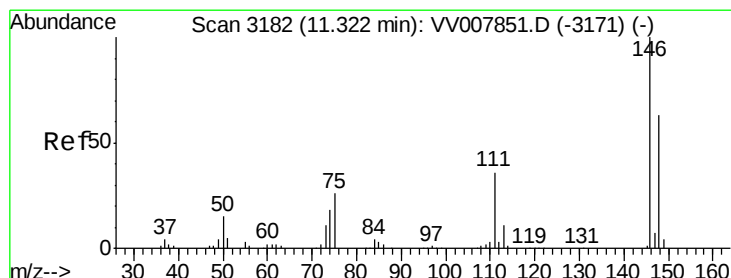
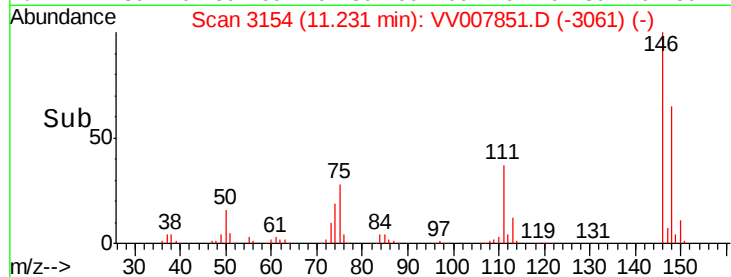
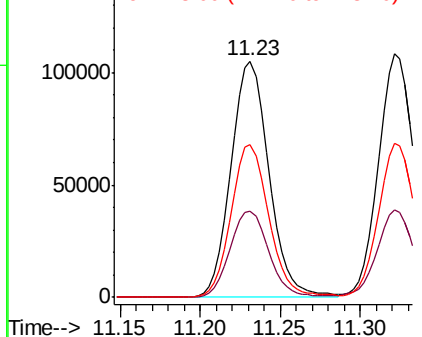


Abundance

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



#63

1,4-Dichlorobenzene

Concen: 49.764 ug/L

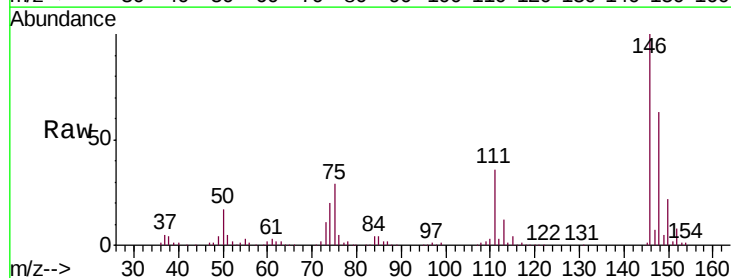
RT: 11.32 min Scan# 3182

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Tgt Ion:	146	Resp:	175536
Ion	Ratio	Lower	Upper
146	100		
111	36.0	25.2	46.8
148	63.1	44.2	82.0

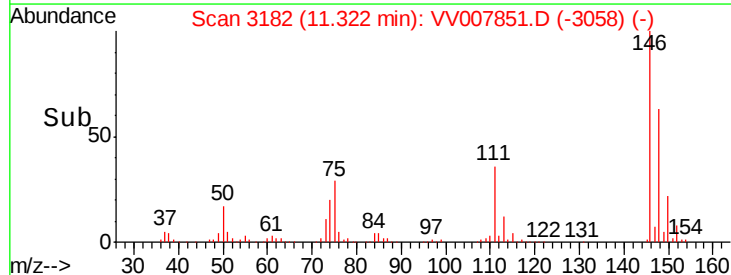
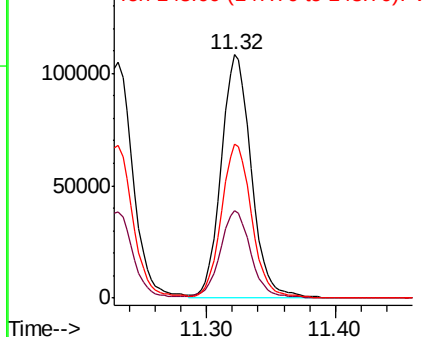


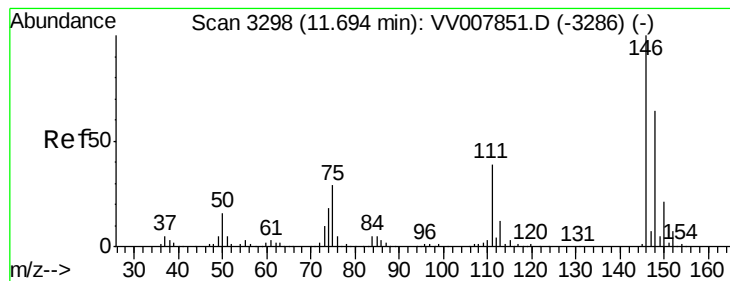
Abundance

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





#65

1,2-Dichlorobenzene

Concen: 50.890 ug/L

RT: 11.69 min Scan# 3298

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

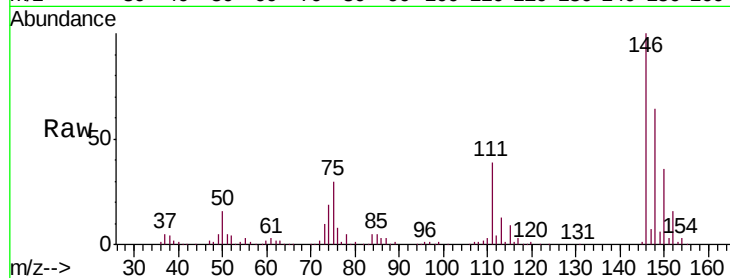
Tgt Ion:146 Resp: 175294

Ion Ratio Lower Upper

146 100

111 39.0 31.2 46.8

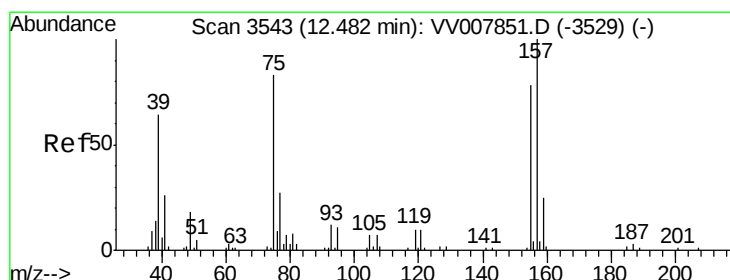
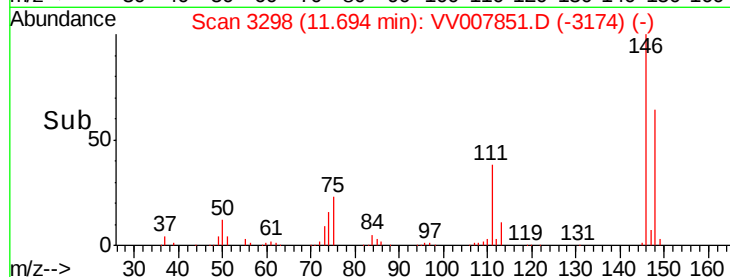
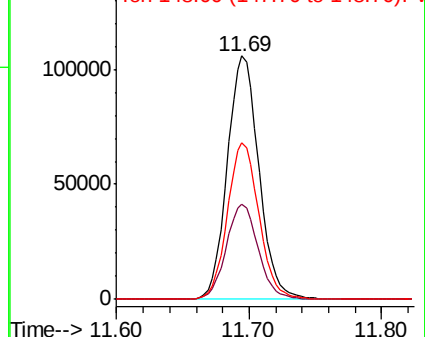
148 64.4 51.5 77.3



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: 51.098 ug/L

RT: 12.48 min Scan# 3543

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

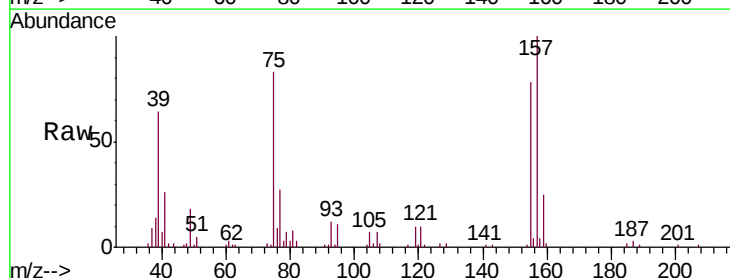
Tgt Ion: 75 Resp: 23029

Ion Ratio Lower Upper

75 100

155 94.5 75.6 113.4

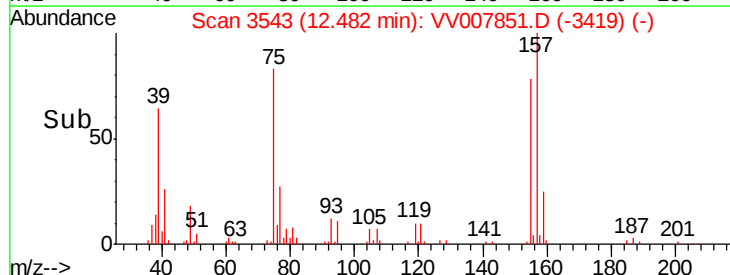
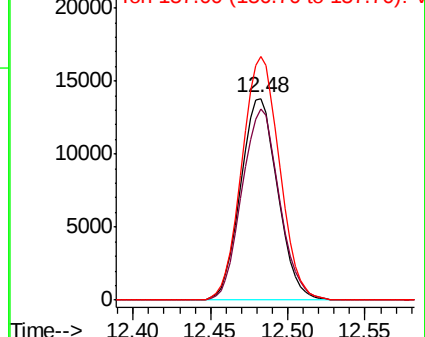
157 120.6 96.5 144.7

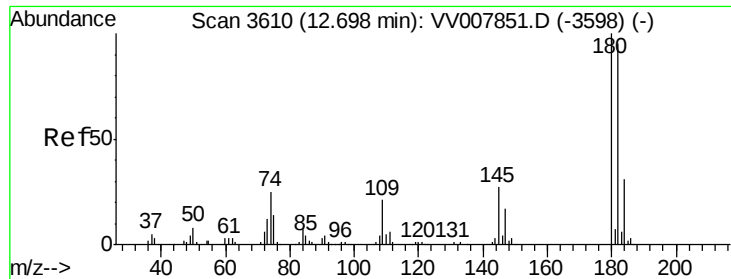


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

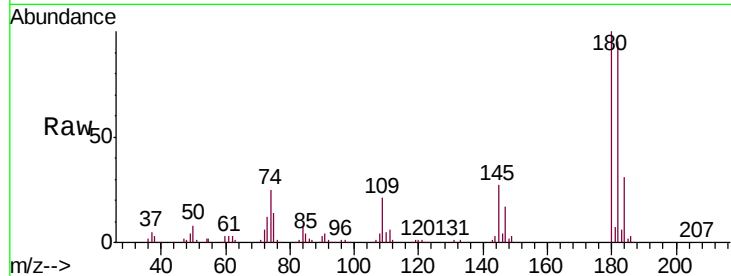




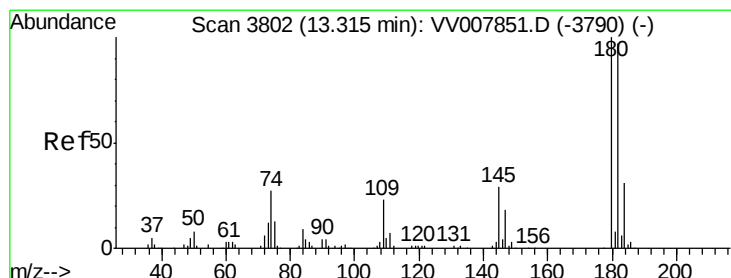
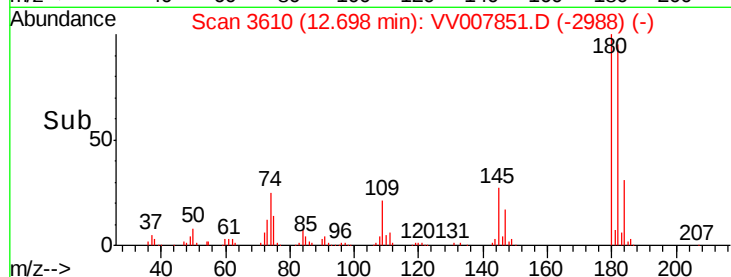
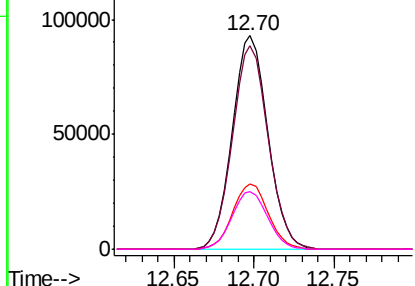
#67
 1,3,5-Trichlorobenzene
 Concen: 50.113 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05066

Tgt Ion:	180	Resp:	140235
Ion	Ratio	Lower	Upper
180	100		
182	96.0	76.8	115.2
184	30.7	24.6	36.8
145	27.1	21.7	32.5

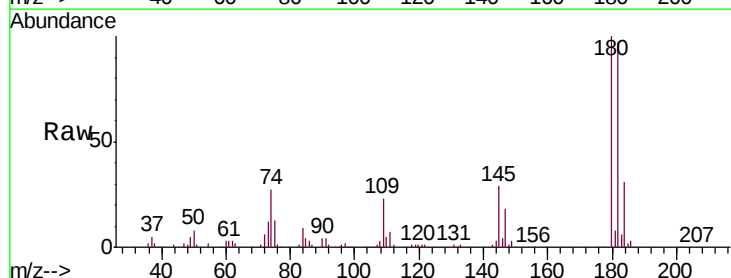


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

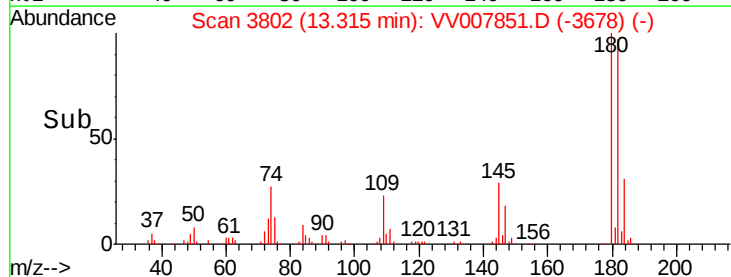
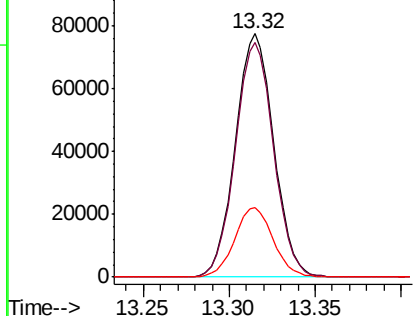


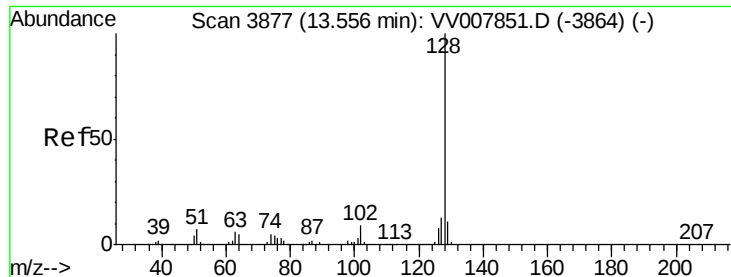
#68
 1,2,4-trichlorobenzene
 Concen: 51.070 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007851.D
 Acq: 25 Sep 2018 12:52

Tgt Ion:	180	Resp:	120580
Ion	Ratio	Lower	Upper
180	100		
182	95.8	76.6	115.0
145	28.4	22.7	34.1



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





#69

Naphthalene

Concen: 52.725 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05066

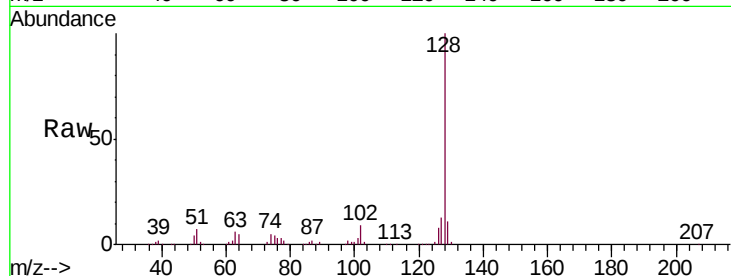
Tgt Ion:128 Resp: 304526

Ion Ratio Lower Upper

128 100

127 13.1 10.5 15.7

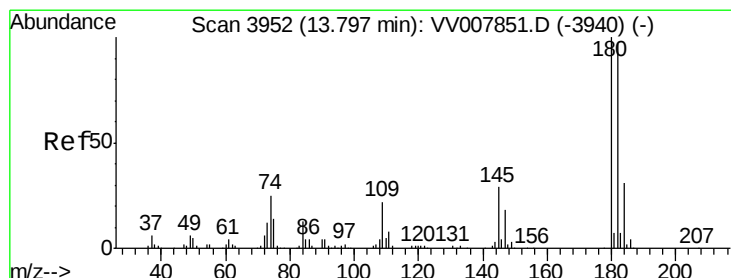
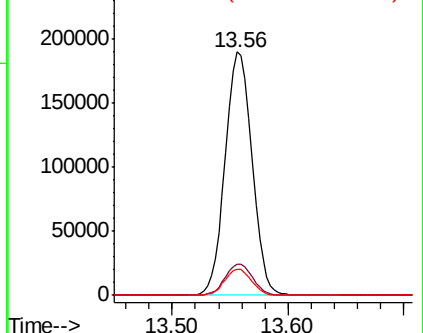
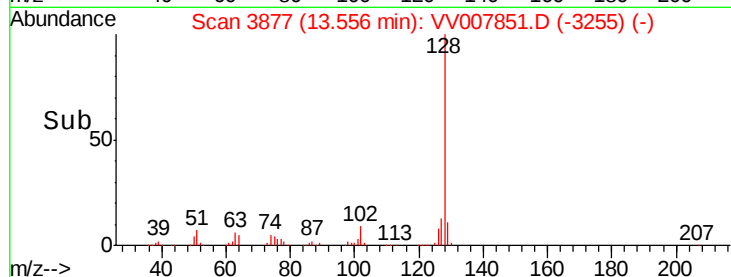
129 10.8 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 51.471 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV007851.D

Acq: 25 Sep 2018 12:52

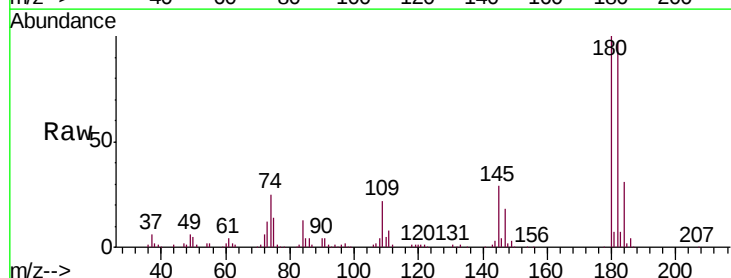
Tgt Ion:180 Resp: 123047

Ion Ratio Lower Upper

180 100

182 95.9 76.7 115.1

145 29.5 23.6 35.4



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

