

Data File : VV008443.D
Acq On : 26 Oct 2018 19:06
Operator : SY/MD
Sample : VSTDCCC050EC
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Quant Time: Oct 27 04:48:55 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM102318WMA.M
Quant Title : VOC Analysis
QLast Update : Sat Oct 27 04:42:32 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	191907	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	178844	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	84257	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	51856	48.80	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	97.60%
7) Chloroethane-d5	1.56	69	39853	51.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	103.90%
11) 1,1-Dichloroethene-d2	2.13	63	94811	49.40	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.80%
21) 2-Butanone-d5	3.94	46	114055	98.77	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.77%
24) Chloroform-d	4.41	84	125878	48.03	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	96.06%
26) 1,2-Dichloroethane-d4	5.09	65	86449	49.34	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.68%
32) Benzene-d6	5.10	84	253655	49.77	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.54%
36) 1,2-Dichloropropane-d6	6.12	67	87537	49.48	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	98.96%
41) Toluene-d8	7.36	98	230340	49.78	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.56%
43) trans-1,3-Dichloropropene-	7.67	79	42238	49.15	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.30%
47) 2-Hexanone-d5	8.14	63	87460	94.68	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	94.68%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	121885	50.87	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.74%
64) 1,2-Dichlorobenzene-d4	11.68	152	85683	49.71	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	99.42%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	65125	47.524	ug/L 100
3) Chloromethane	1.25	50	73946	50.374	ug/L 99
5) Vinyl chloride	1.33	62	69640	51.199	ug/L 96
6) Bromomethane	1.51	94	18619	49.889	ug/L 100
8) Chloroethane	1.58	64	39921	55.867	ug/L 95
9) Trichlorofluoromethane	1.76	101	88459	50.533	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	45709	49.981	ug/L 99
12) 1,1-Dichloroethene	2.14	96	44423	51.592	ug/L 95
13) Acetone	2.19	43	70380	78.530	ug/L 99
14) Carbon disulfide	2.32	76	189448	48.850	ug/L 100
15) Methyl Acetate	2.46	43	88187	49.344	ug/L 100
16) Methylene chloride	2.54	84	75184	50.415	ug/L 98
17) trans-1,2-Dichloroethene	2.79	96	66145	50.395	ug/L 99
18) Methyl tert-butyl Ether	2.81	73	245635	52.286	ug/L 100
19) 1,1-Dichloroethane	3.23	63	139496	51.531	ug/L 99
20) cis-1,2-Dichloroethene	3.97	96	78195	52.293	ug/L 96
22) 2-Butanone	4.02	43	120644	93.179	ug/L 100

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Quant Title : VOC Analysis
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Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	36247	51.398	ug/L	97
25) Chloroform	4.43	83	141250	53.451	ug/L	99
27) 1,2-Dichloroethane	5.18	62	112740	51.077	ug/L	99
29) Cyclohexane	4.73	56	121373	46.611	ug/L	99
30) 1,1,1-Trichloroethane	4.67	97	118088	50.916	ug/L	99
31) Carbon tetrachloride	4.88	117	97662	49.620	ug/L	98
33) Benzene	5.15	78	299320	51.200	ug/L	100
34) Trichloroethene	5.96	95	75441	50.405	ug/L	99
35) Methylcyclohexane	6.18	83	120479	47.347	ug/L	100
37) 1,2-Dichloropropane	6.23	63	83284	51.583	ug/L	100
38) Bromodichloromethane	6.56	83	104244	50.668	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	126324	49.767	ug/L	100
40) 4-Methyl-2-pentanone	7.28	43	247163	103.377	ug/L	100
42) Toluene	7.43	91	307957	50.714	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	121884	51.326	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	74039	51.864	ug/L	98
46) Tetrachloroethene	8.02	164	49749	50.987	ug/L	98
48) 2-Hexanone	8.19	43	181019	98.120	ug/L	99
49) Dibromochloromethane	8.29	129	79278	51.678	ug/L	100
50) 1,2-Dibromoethane	8.40	107	76779	51.270	ug/L	99
51) Chlorobenzene	8.93	112	194103	51.912	ug/L	99
52) Ethylbenzene	9.06	91	346778	50.981	ug/L	99
53) m,p-Xylene	9.18	106	126389	50.859	ug/L	98
54) o-xylene	9.59	106	129664	52.252	ug/L	96
55) Styrene	9.61	104	220909	52.833	ug/L	99
56) Isopropylbenzene	9.98	105	332331	51.184	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	132996	53.194	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	107261	53.010	ug/L	100
61) Bromoform	9.78	173	54546	51.306	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	145653	52.286	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	145382	52.071	ug/L	98
65) 1,2-Dichlorobenzene	11.69	146	148842	52.396	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.48	75	28882	49.455	ug/L	97
67) 1,3,5-Trichlorobenzene	12.70	180	97360	53.524	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	77567	52.707	ug/L	99
69) Naphthalene	13.56	128	229915	48.313	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	78140	53.129	ug/L	99

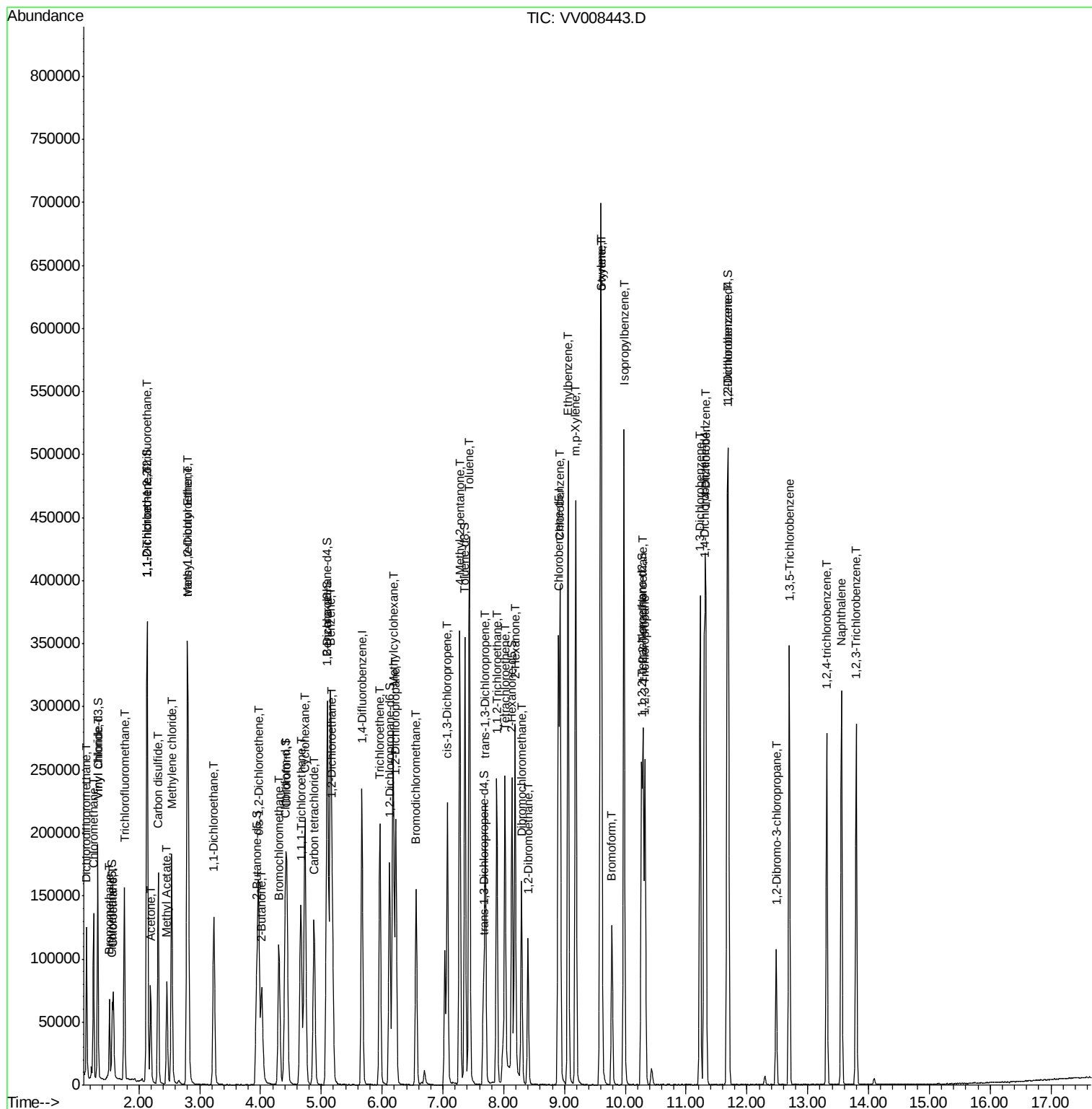
(#) = qualifier out of range (m) = manual integration (+) = signals summed

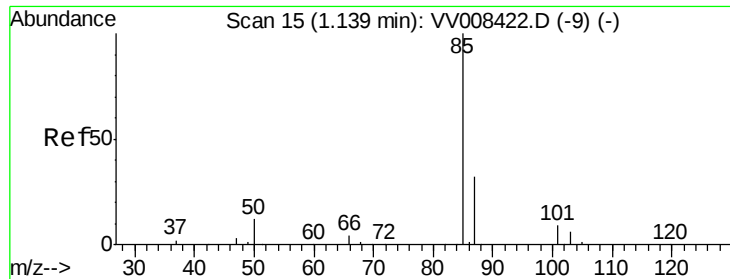
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#2

Dichlorodifluoromethane

Concen: 47.524 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

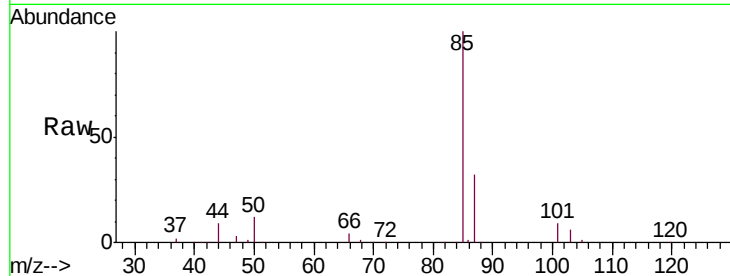
VSTD05080

Tgt Ion: 85 Resp: 65125

Ion Ratio Lower Upper

85 100

87 32.0 25.4 38.2



Abundance Ion 85.00 (84.70 to 85.70): VV008422.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008422.D (-9) (-)

1.14

60000

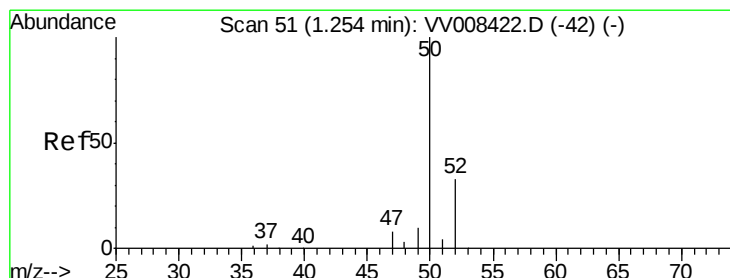
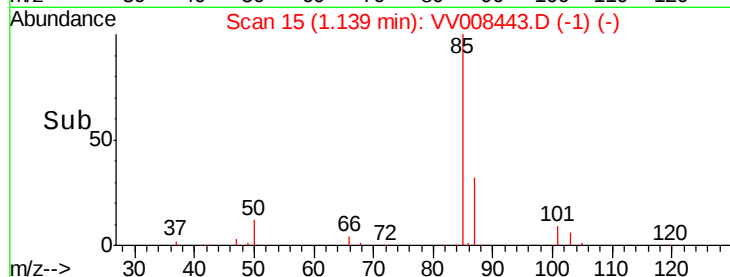
40000

20000

0

1.10 1.15 1.20

Time-->



#3

Chloromethane

Concen: 50.374 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008443.D

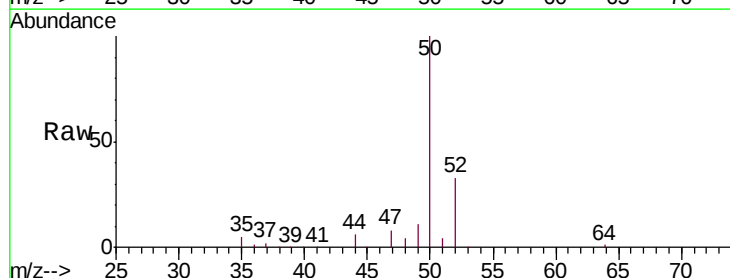
Acq: 26 Oct 2018 19:06

Tgt Ion: 50 Resp: 73946

Ion Ratio Lower Upper

50 100

52 32.5 23.1 42.9



Abundance Ion 50.00 (49.70 to 50.70): VV008422.D (-42) (-)

Ion 52.00 (51.70 to 52.70): VV008422.D (-42) (-)

1.25

80000

60000

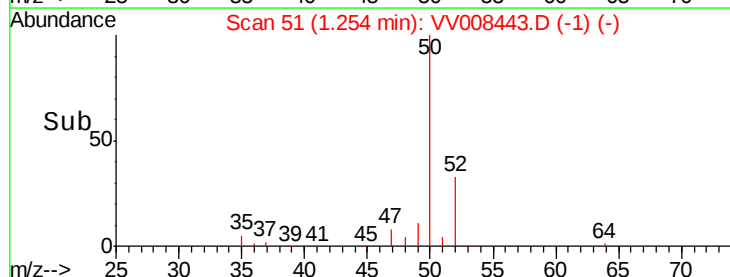
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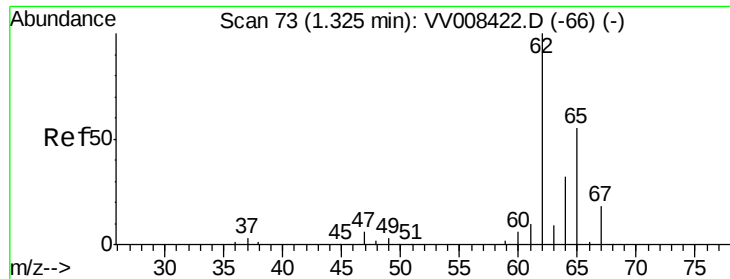
20000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 51.199 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

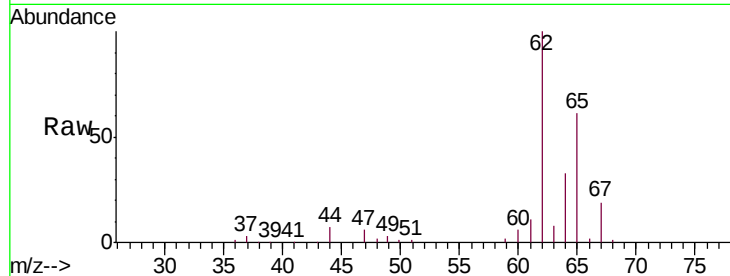
VSTD05080

Tgt Ion: 62 Resp: 69640

Ion Ratio Lower Upper

62 100

64 32.6 24.4 45.4



Abundance Ion 62.00 (61.70 to 62.70): VV008422.D (-66) (-)

Ion 64.00 (63.70 to 64.70): VV008422.D (-66) (-)

1.33

80000

60000

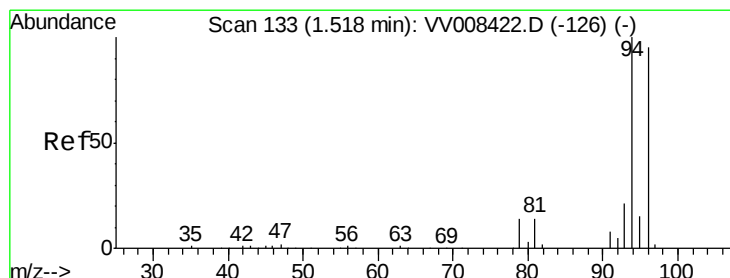
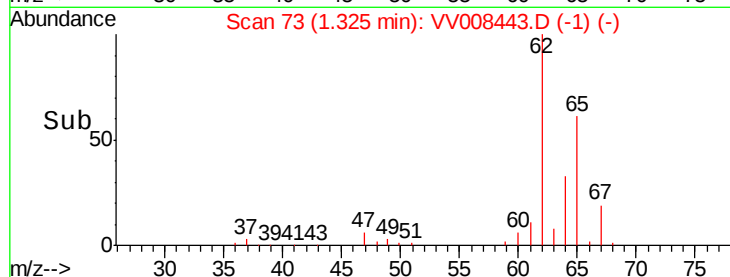
40000

20000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 49.889 ug/L

RT: 1.51 min Scan# 132

Delta R.T. -0.00 min

Lab File: VV008443.D

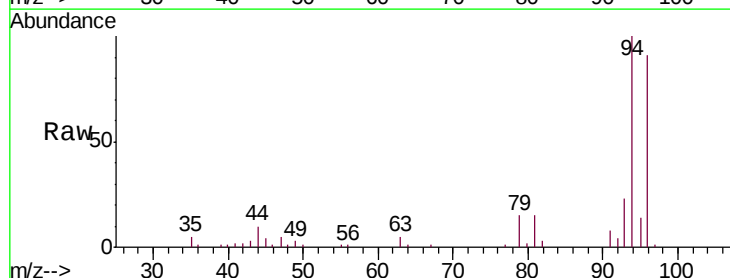
Acq: 26 Oct 2018 19:06

Tgt Ion: 94 Resp: 18619

Ion Ratio Lower Upper

94 100

96 90.8 63.8 118.6



Abundance Ion 94.00 (93.70 to 94.70): VV008422.D (-126) (-)

Ion 96.00 (95.70 to 96.70): VV008422.D (-126) (-)

1.51

25000

20000

15000

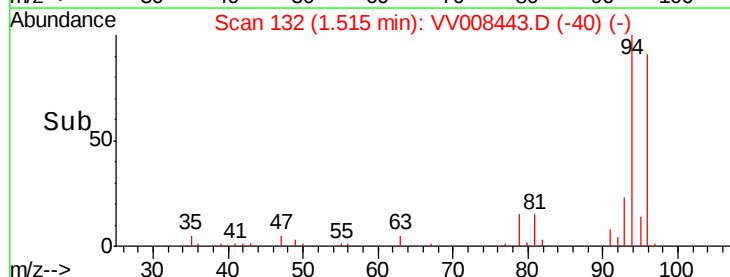
10000

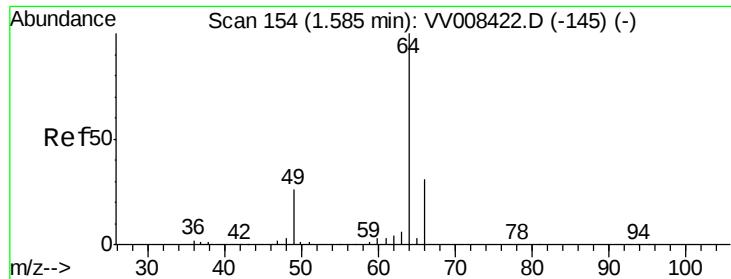
5000

0

1.48 1.50 1.52 1.54 1.56

Time-->





#8

Chloroethane

Concen: 55.867 ug/L

RT: 1.58 min Scan# 153

Delta R.T. -0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

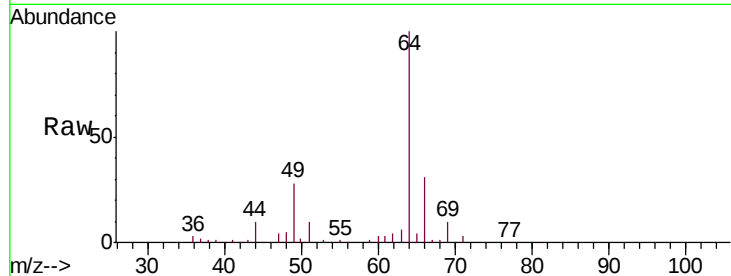
VSTD05080

Tgt Ion: 64 Resp: 39921

Ion Ratio Lower Upper

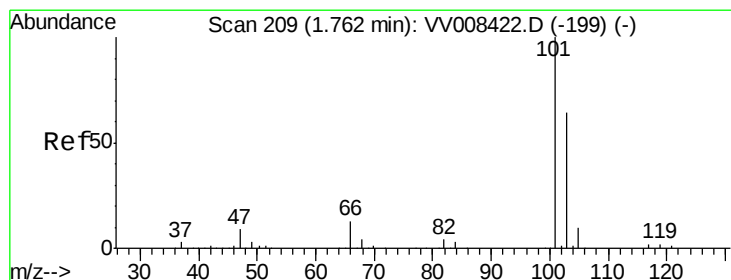
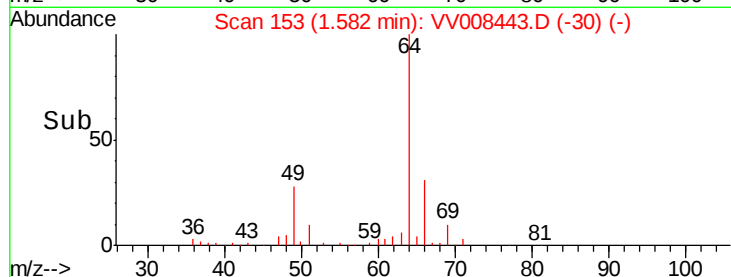
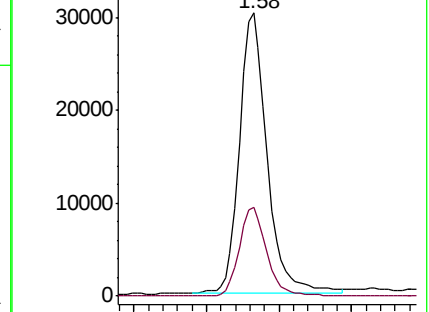
64 100

66 31.3 19.9 36.9



Abundance Ion 64.00 (63.70 to 64.70): VV008422.D (-145) (-)

Ion 66.00 (65.70 to 66.70): VV008422.D (-145) (-)



#9

Trichlorofluoromethane

Concen: 50.533 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV008443.D

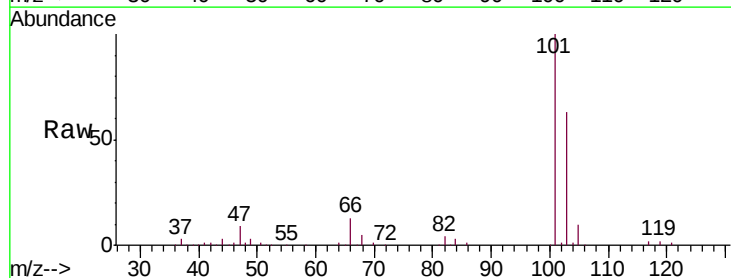
Acq: 26 Oct 2018 19:06

Tgt Ion: 101 Resp: 88459

Ion Ratio Lower Upper

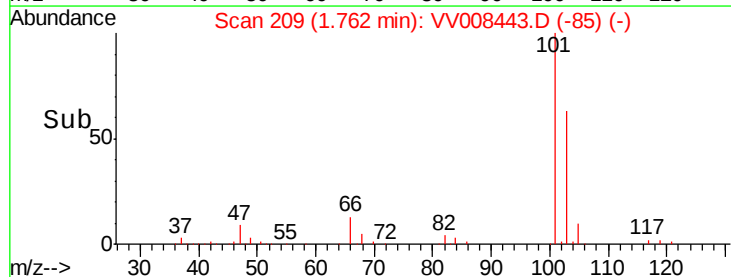
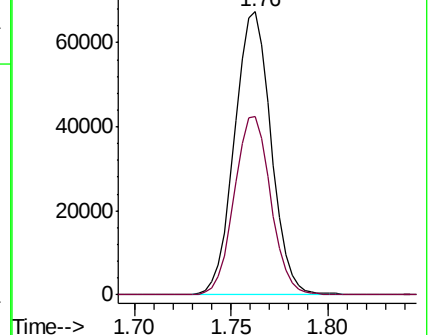
101 100

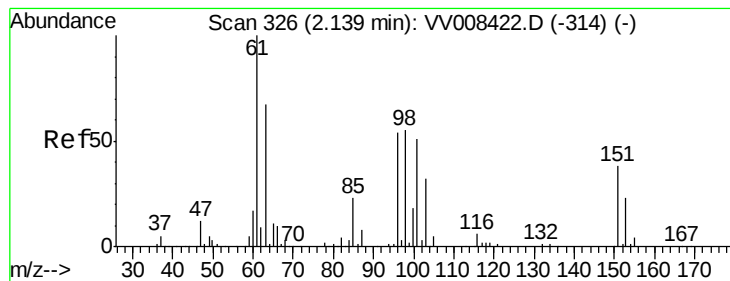
103 62.7 51.0 76.6



Abundance Ion 101.00 (100.70 to 101.70): VV008422.D (-199) (-)

Ion 103.00 (102.70 to 103.70): VV008422.D (-199) (-)





#10

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

Concen: 49.981 ug/L

RT: 2.14 min Scan# 325

Delta R.T. -0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

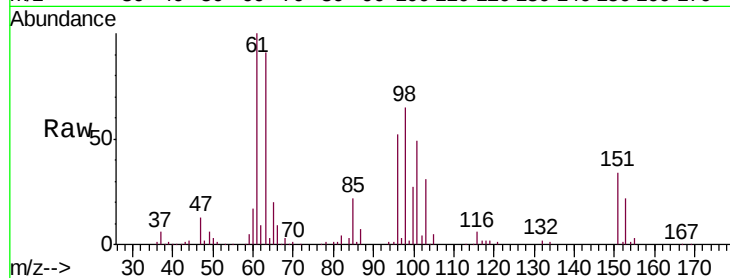
Tgt Ion:101 Resp: 45709

Ion Ratio Lower Upper

101 100

85 45.2 35.6 53.4

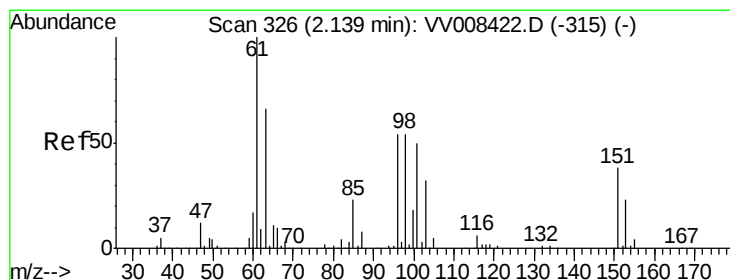
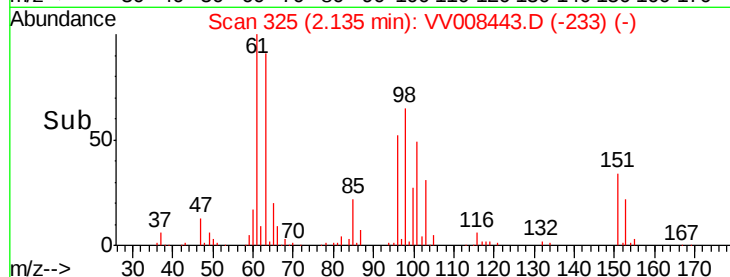
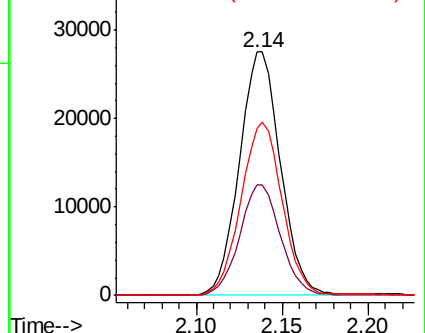
151 71.2 58.1 87.1



Abundance Ion 101.00 (100.70 to 101.70): VV008422.D (-314) (-)

Ion 85.00 (84.70 to 85.70): VV008422.D (-314) (-)

Ion 151.00 (150.70 to 151.70): VV008422.D (-314) (-)



#12

1,1-Dichloroethene

Concen: 51.592 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

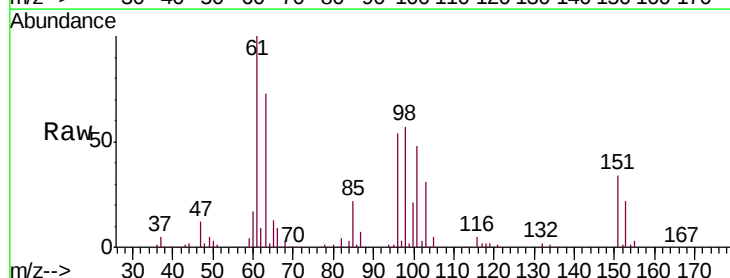
Tgt Ion: 96 Resp: 44423

Ion Ratio Lower Upper

96 100

61 185.3 130.3 242.1

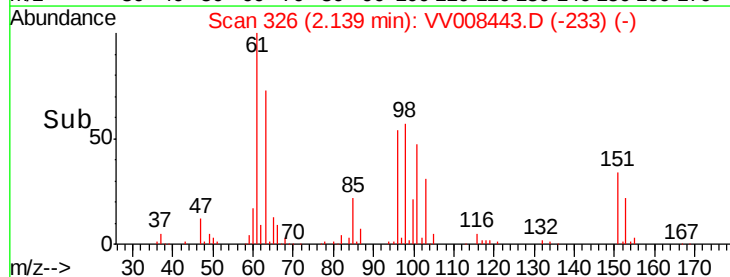
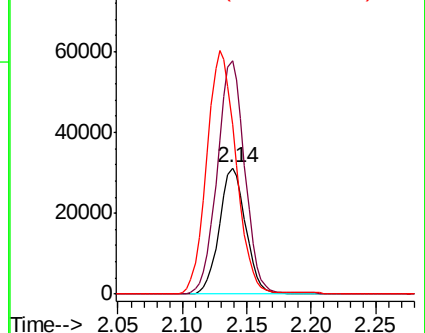
63 134.4 84.4 156.8

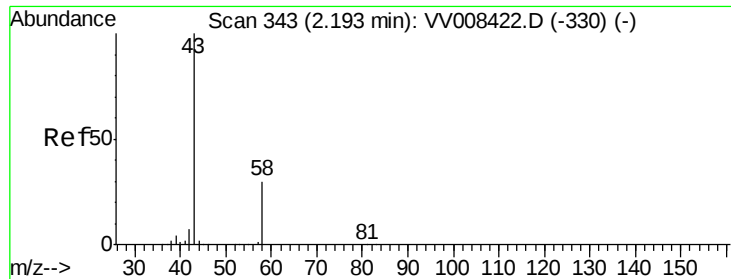


Abundance Ion 96.00 (95.70 to 96.70): VV008422.D (-315) (-)

Ion 61.00 (60.70 to 61.70): VV008422.D (-315) (-)

Ion 63.00 (62.70 to 63.70): VV008422.D (-315) (-)





#13

Acetone

Concen: 78.530 ug/L

RT: 2.19 min Scan# 343

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

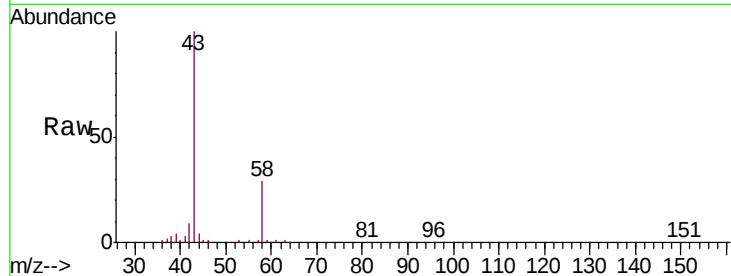
VSTD05080

Tgt Ion: 43 Resp: 70380

Ion Ratio Lower Upper

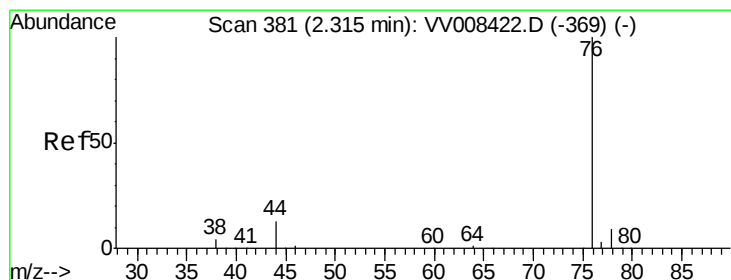
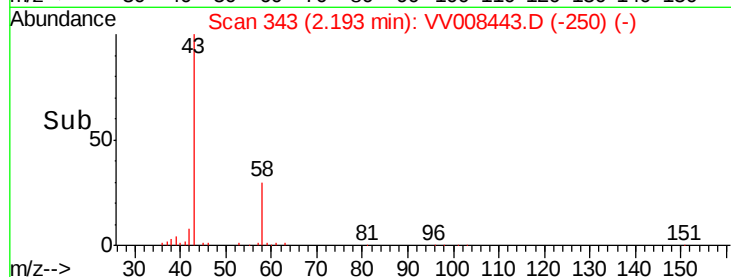
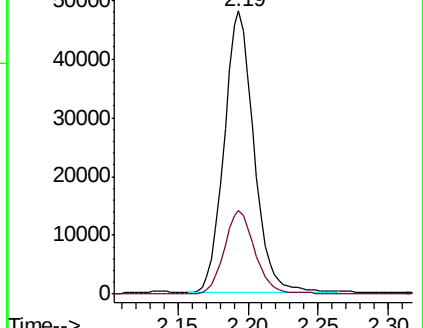
43 100

58 30.3 0.0 61.4



Abundance Ion 43.00 (42.70 to 43.70): VV008422.D (-330) (-)

Ion 58.00 (57.70 to 58.70): VV008422.D (-330) (-)



#14

Carbon disulfide

Concen: 48.850 ug/L

RT: 2.32 min Scan# 382

Delta R.T. 0.00 min

Lab File: VV008443.D

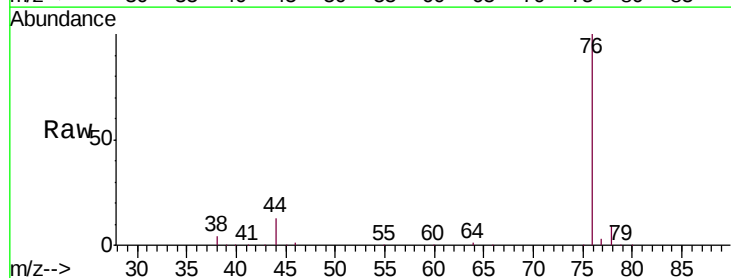
Acq: 26 Oct 2018 19:06

Tgt Ion: 76 Resp: 189448

Ion Ratio Lower Upper

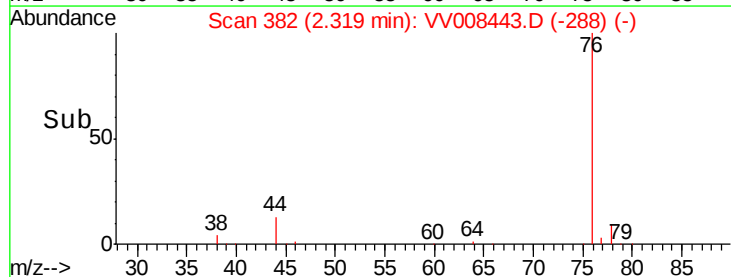
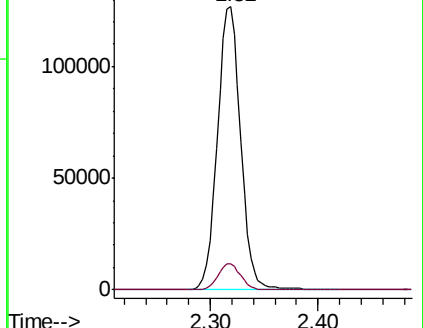
76 100

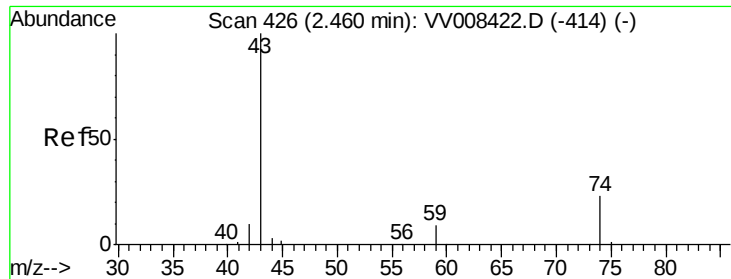
78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV008422.D (-369) (-)

Ion 78.00 (77.70 to 78.70): VV008422.D (-369) (-)

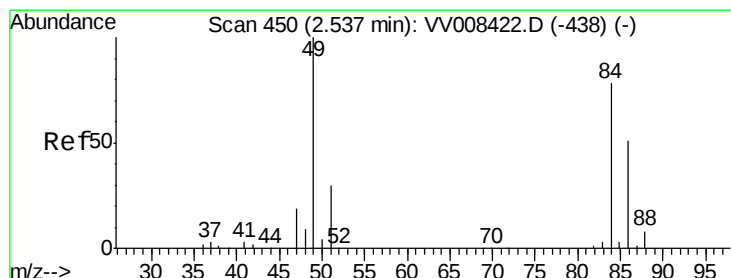
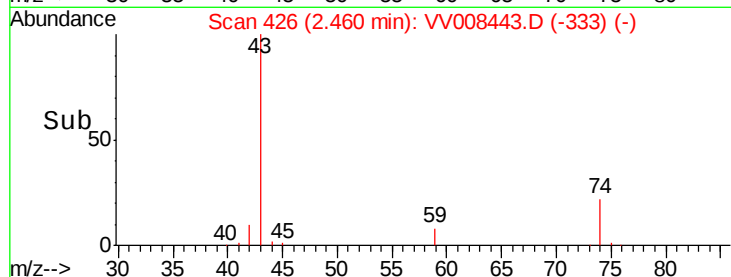
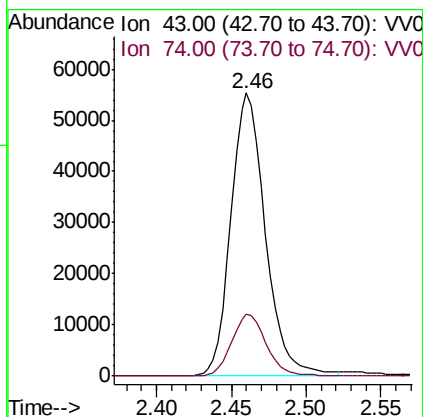
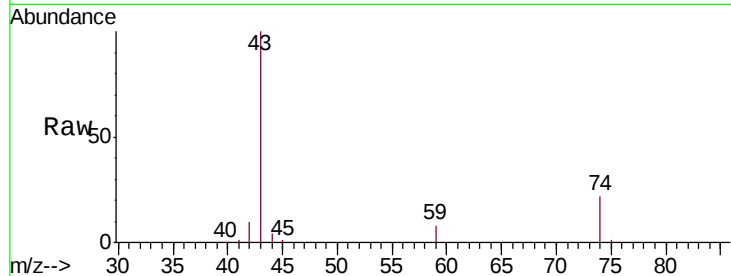




#15
Methyl Acetate
Concen: 49.344 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

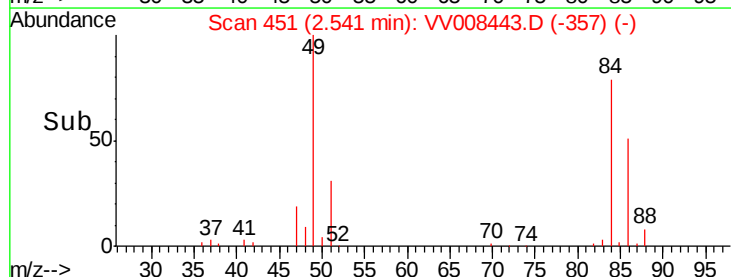
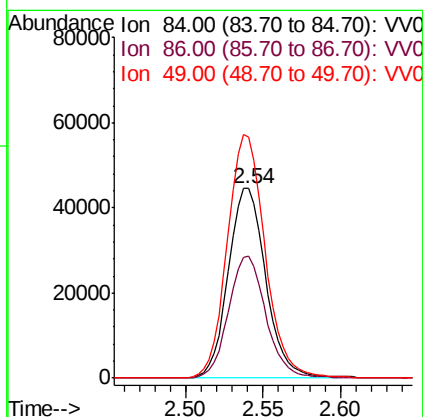
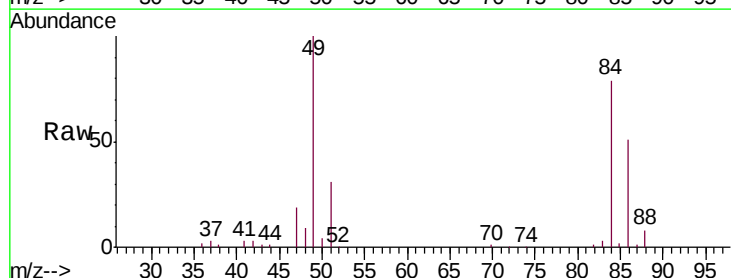
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

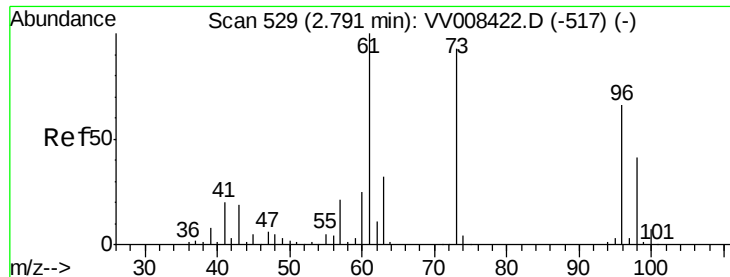
Tgt Ion: 43 Resp: 88187
Ion Ratio Lower Upper
43 100
74 22.1 17.8 26.6



#16
Methylene chloride
Concen: 50.415 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Tgt Ion: 84 Resp: 75184
Ion Ratio Lower Upper
84 100
86 64.2 45.6 84.6
49 126.8 90.6 168.3





#17

trans-1,2-Dichloroethene

Concen: 50.395 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

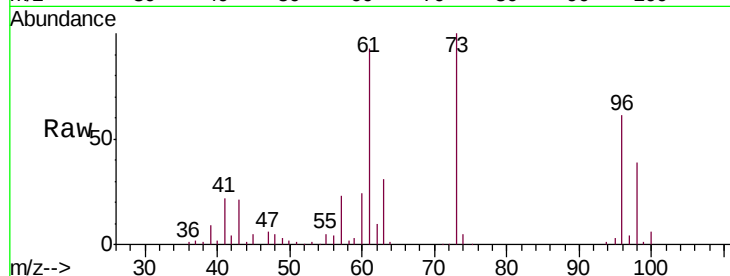
Tgt Ion: 96 Resp: 66145

Ion Ratio Lower Upper

96 100

61 154.3 108.6 201.6

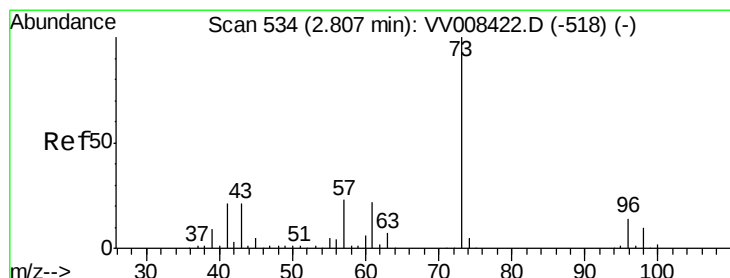
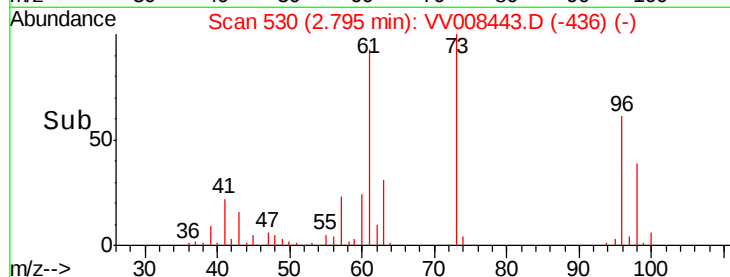
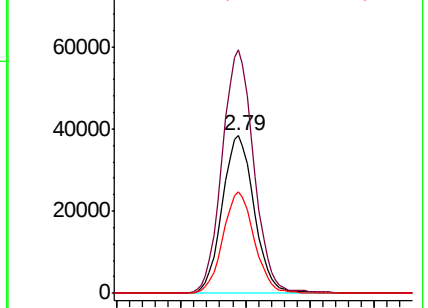
98 64.4 44.3 82.3



Abundance Ion 96.00 (95.70 to 96.70): VV008443.D (-436) (-)

Ion 61.00 (60.70 to 61.70): VV008443.D (-436) (-)

Ion 98.00 (97.70 to 98.70): VV008443.D (-436) (-)



#18

Methyl tert-butyl Ether

Concen: 52.286 ug/L

RT: 2.81 min Scan# 535

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

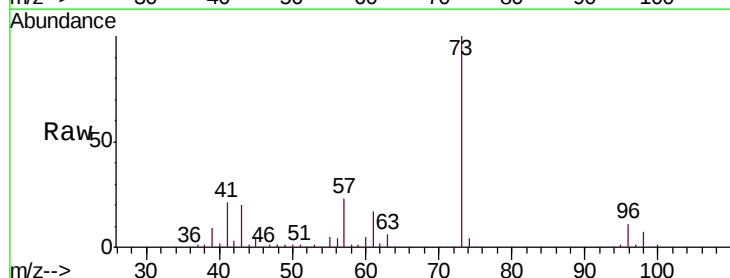
Tgt Ion: 73 Resp: 245635

Ion Ratio Lower Upper

73 100

43 20.2 16.2 24.4

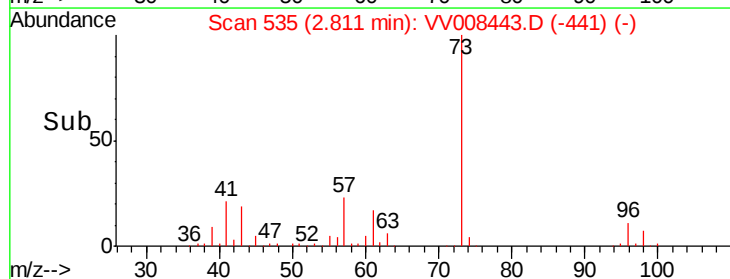
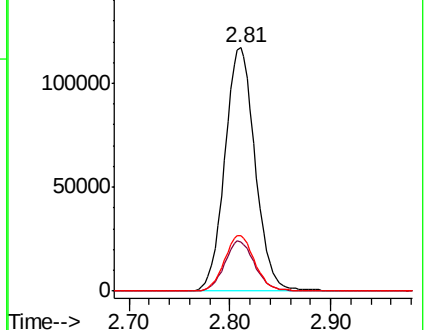
57 22.7 18.2 27.2

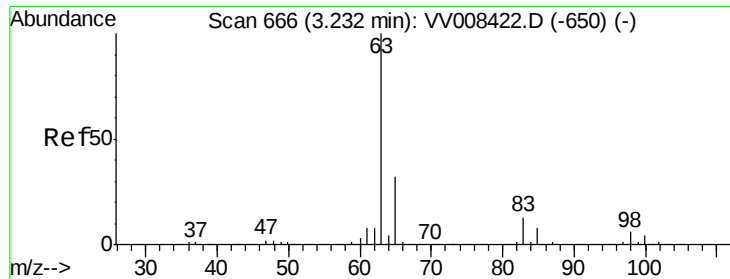


Abundance Ion 73.00 (72.70 to 73.70): VV008443.D (-441) (-)

Ion 43.00 (42.70 to 43.70): VV008443.D (-441) (-)

Ion 57.00 (56.70 to 57.70): VV008443.D (-441) (-)

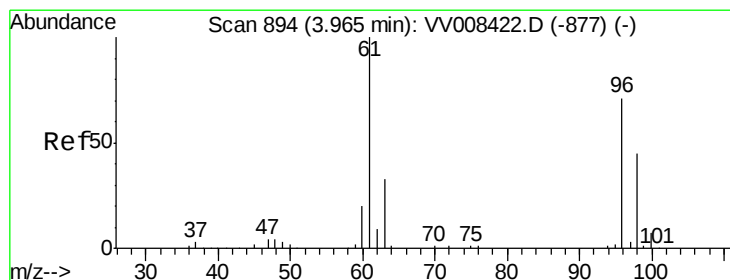
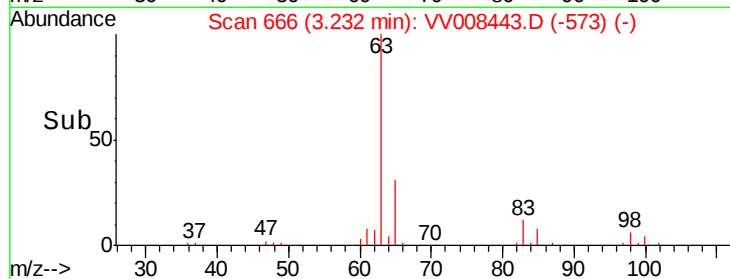
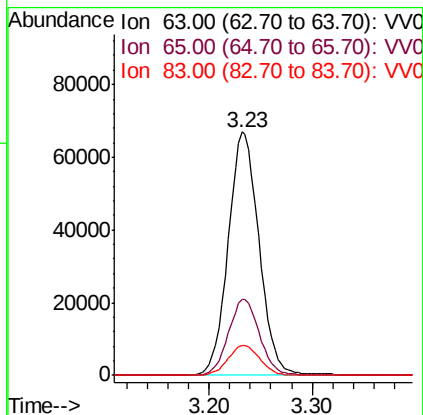
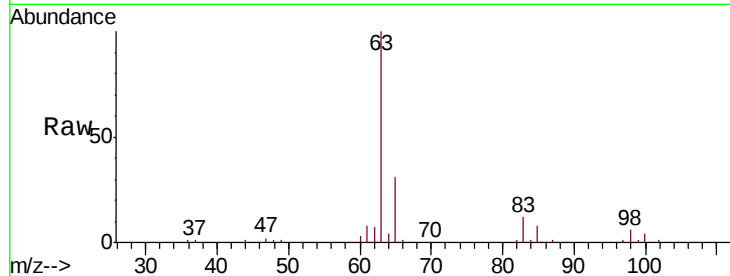




#19
 1,1-Dichloroethane
 Concen: 51.531 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

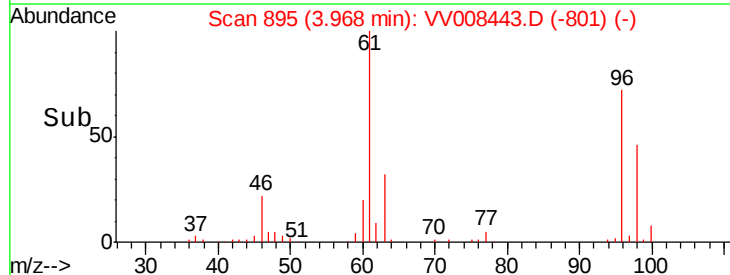
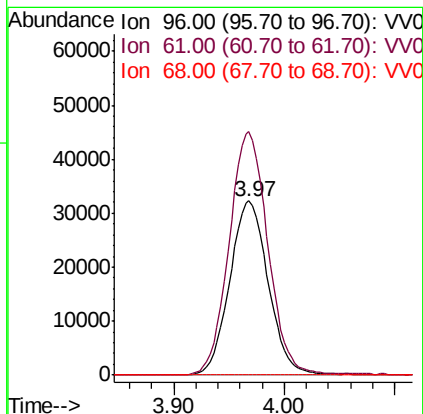
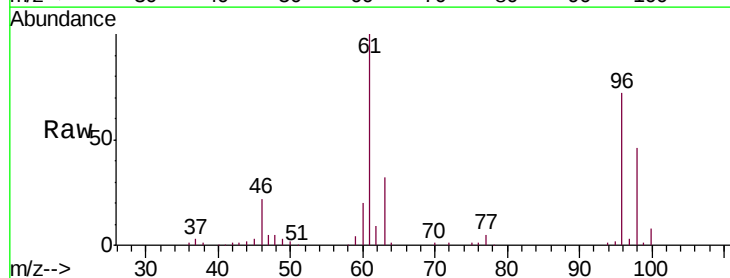
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

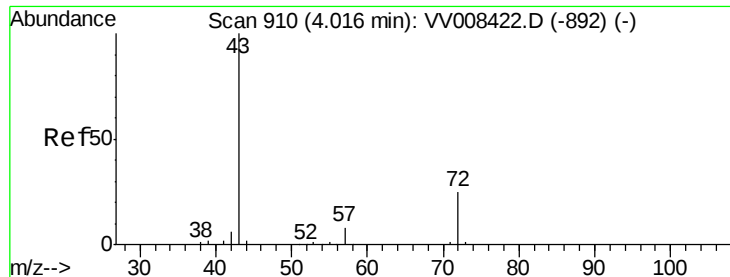
Tgt Ion: 63 Resp: 139496
 Ion Ratio Lower Upper
 63 100
 65 31.1 22.0 40.8
 83 12.5 9.3 17.3



#20
 cis-1,2-Dichloroethene
 Concen: 52.293 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion: 96 Resp: 78195
 Ion Ratio Lower Upper
 96 100
 61 139.7 100.9 187.5
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 93.179 ug/L

RT: 4.02 min Scan# 911

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

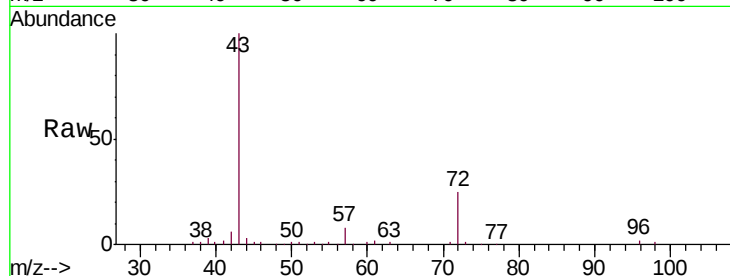
VSTD05080

Tgt Ion: 43 Resp: 120644

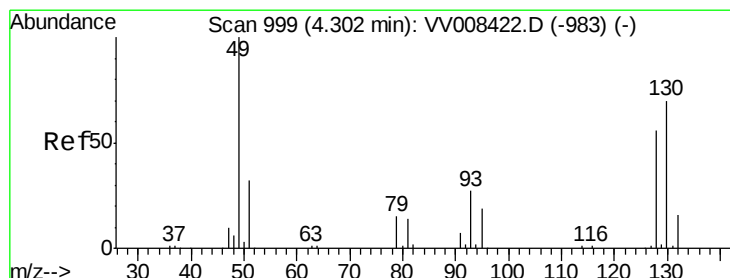
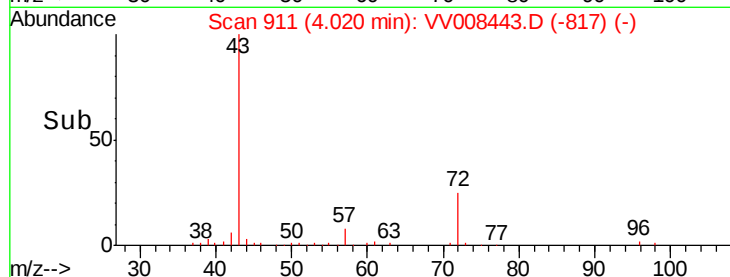
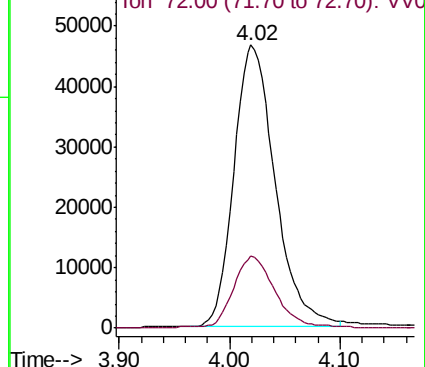
Ion Ratio Lower Upper

43 100

72 26.0 13.0 38.9



Abundance Ion 43.00 (42.70 to 43.70): VV008443.D (-817) (-)



#23

Bromochloromethane

Concen: 51.398 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Tgt Ion: 128 Resp: 36247

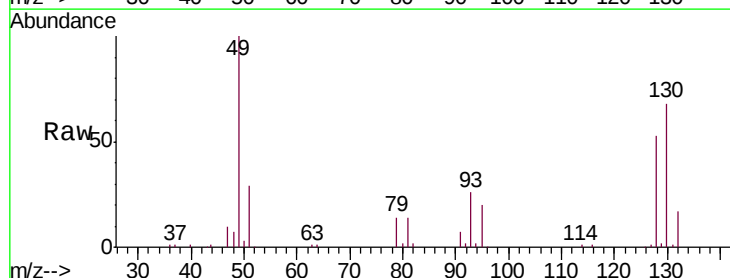
Ion Ratio Lower Upper

128 100

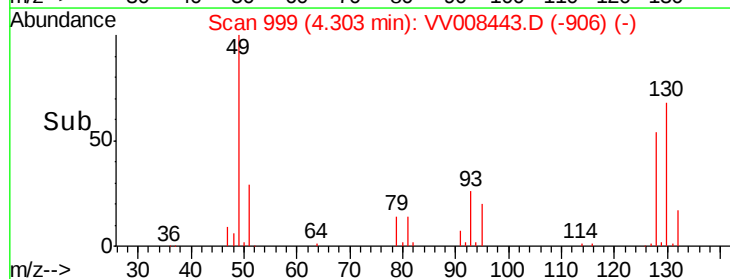
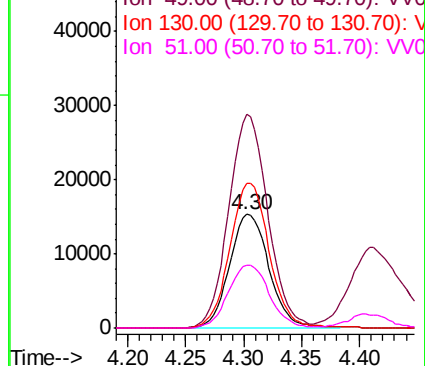
49 187.7 128.0 237.8

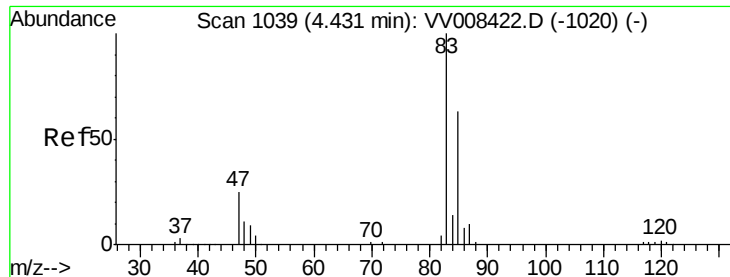
130 126.9 89.2 165.8

51 55.2 46.8 70.2



Abundance Ion 128.00 (127.70 to 128.70): VV008443.D (-906) (-)

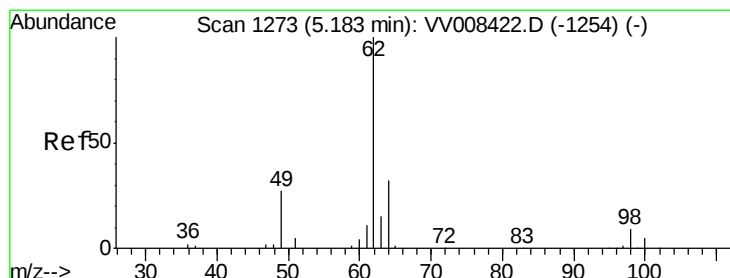
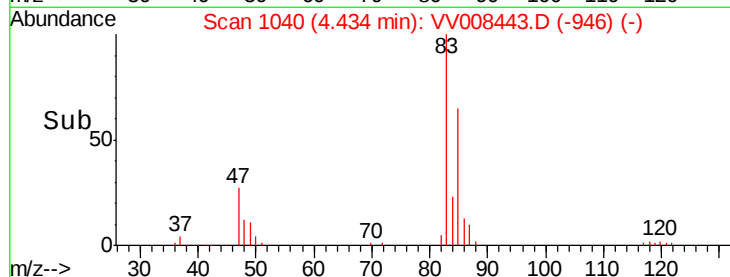
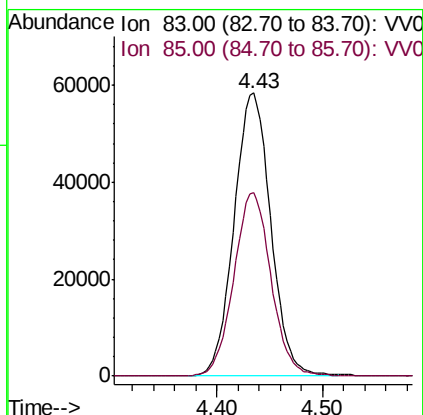
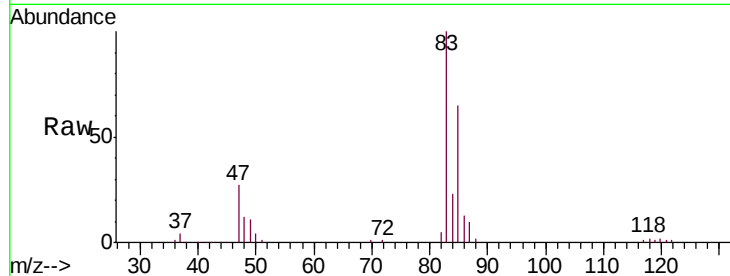




#25
Chloroform
Concen: 53.451 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

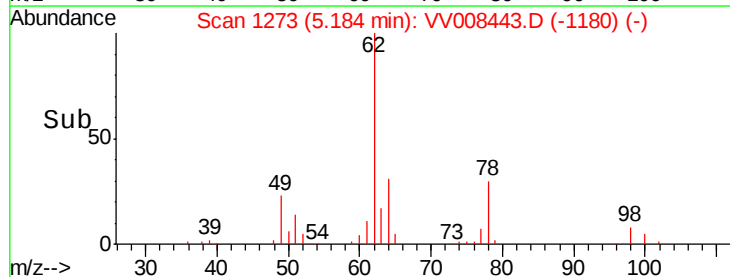
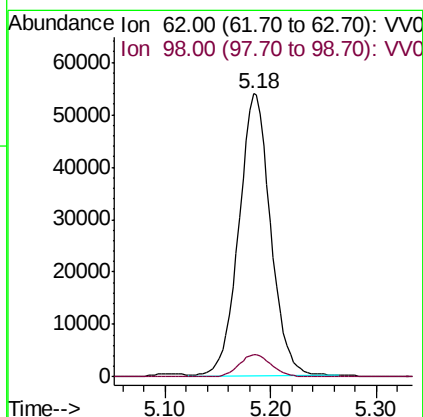
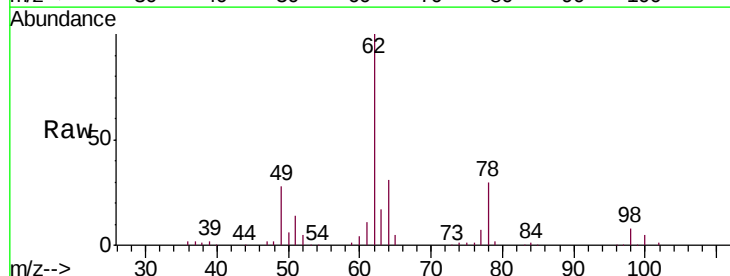
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

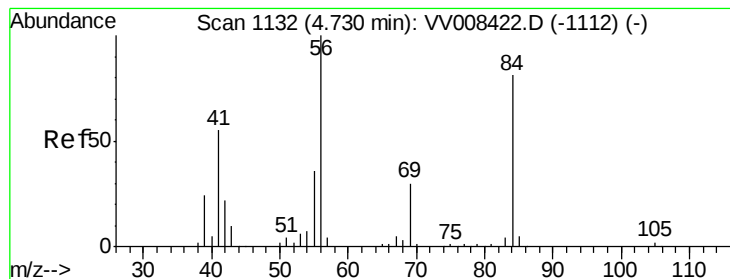
Tgt Ion: 83 Resp: 141250
Ion Ratio Lower Upper
83 100
85 65.0 45.8 85.2



#27
1,2-Dichloroethane
Concen: 51.077 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Tgt Ion: 62 Resp: 112740
Ion Ratio Lower Upper
62 100
98 7.9 6.6 9.8





#29

Cyclohexane

Concen: 46.611 ug/L

RT: 4.73 min Scan# 1132

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

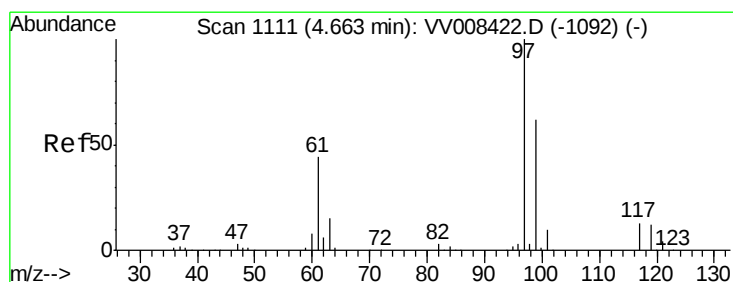
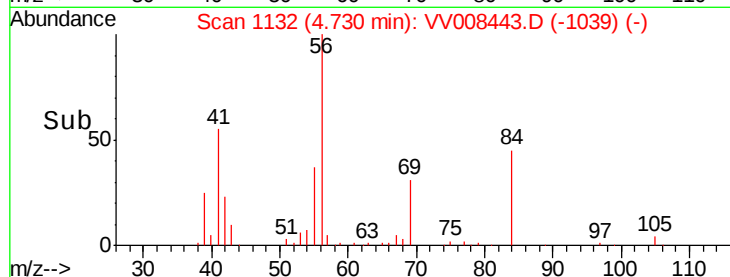
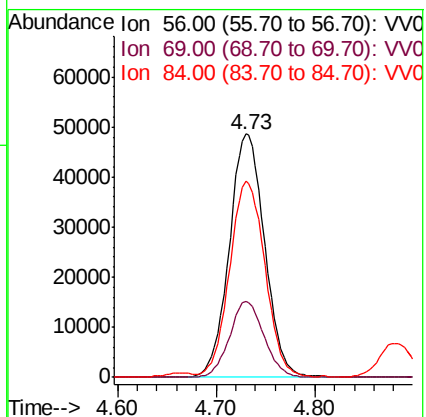
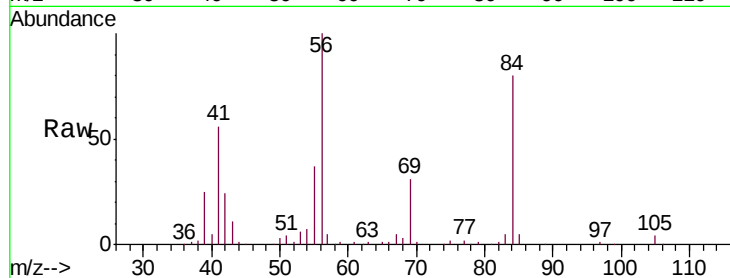
Tgt Ion: 56 Resp: 121373

Ion Ratio Lower Upper

56 100

69 30.4 24.6 37.0

84 80.8 65.0 97.4



#30

1,1,1-Trichloroethane

Concen: 50.916 ug/L

RT: 4.67 min Scan# 1112

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

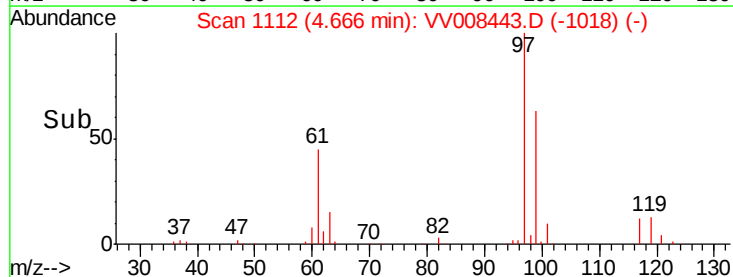
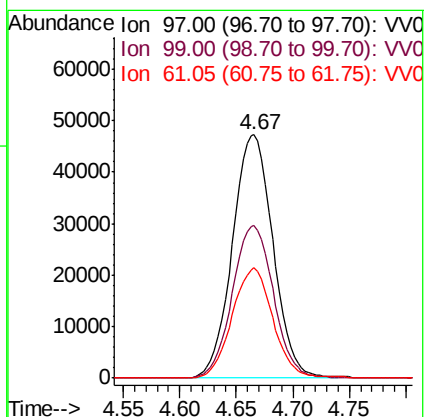
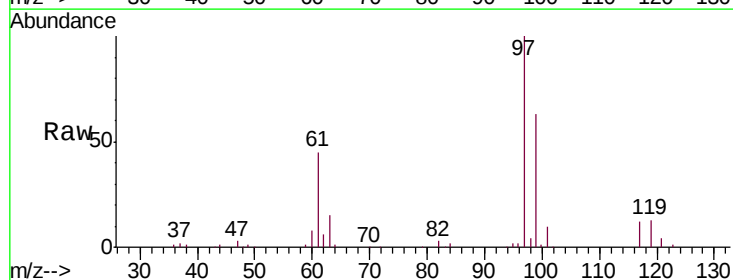
Tgt Ion: 97 Resp: 118088

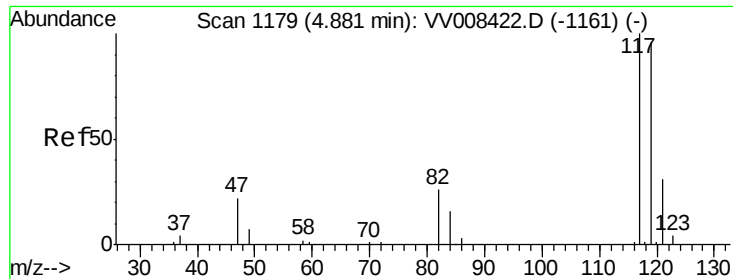
Ion Ratio Lower Upper

97 100

99 63.7 51.6 77.4

61 45.4 36.5 54.7





#31

Carbon tetrachloride

Concen: 49.620 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

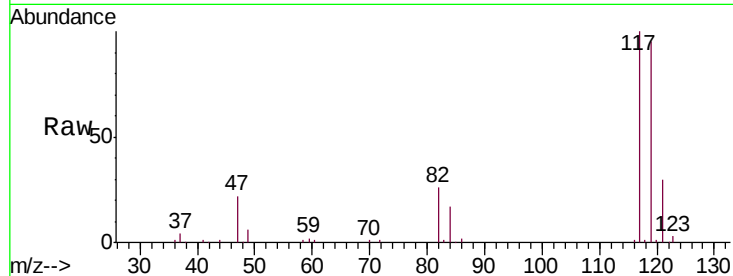
VSTD05080

Tgt Ion:117 Resp: 97662

Ion Ratio Lower Upper

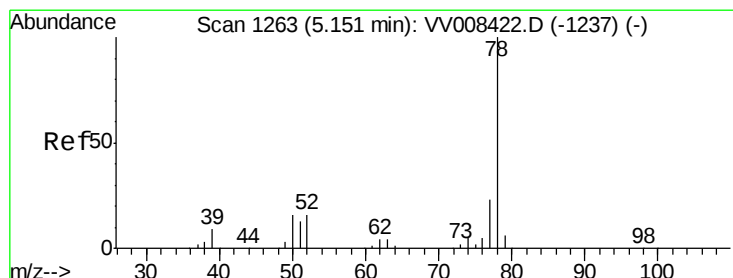
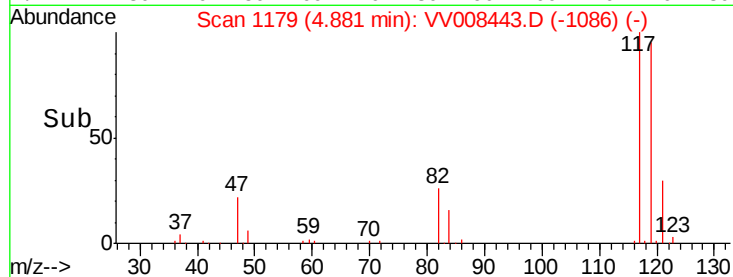
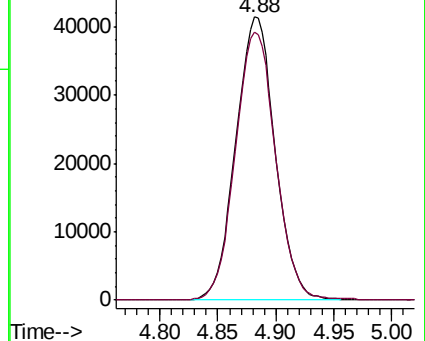
117 100

119 96.7 75.8 113.8



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 51.200 ug/L

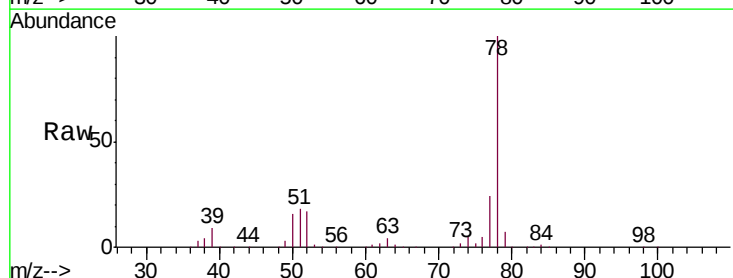
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

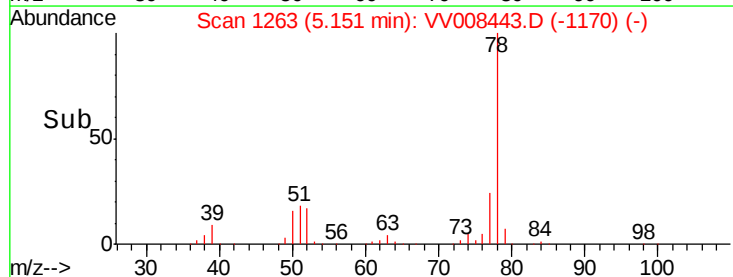
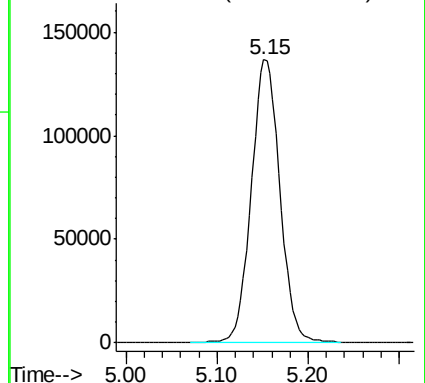
Lab File: VV008443.D

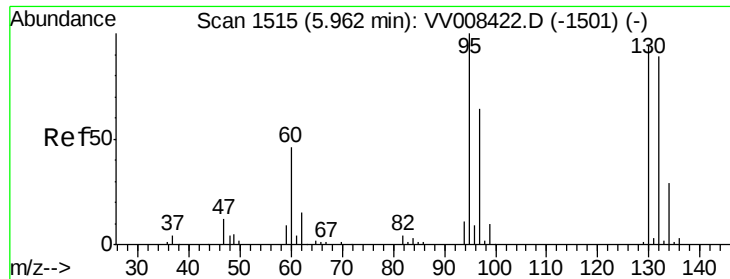
Acq: 26 Oct 2018 19:06

Tgt Ion: 78 Resp: 299320



Abundance Ion 78.00 (77.70 to 78.70): VV0





#34

Trichloroethene

Concen: 50.405 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

Tgt Ion: 95 Resp: 75441

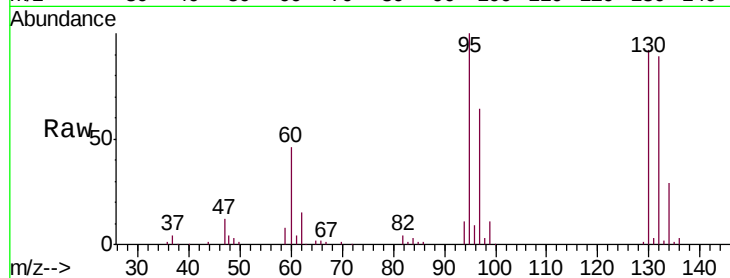
Ion Ratio Lower Upper

95 100

97 63.9 45.2 84.0

132 89.4 63.8 118.6

130 92.2 64.7 120.1

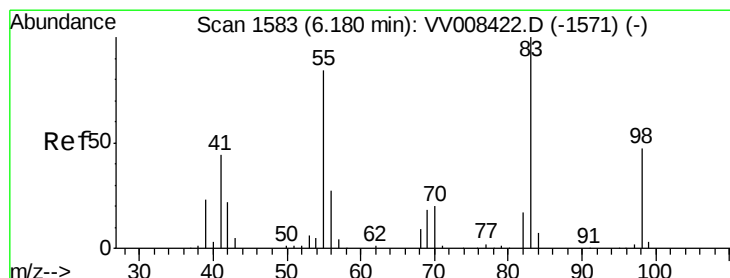
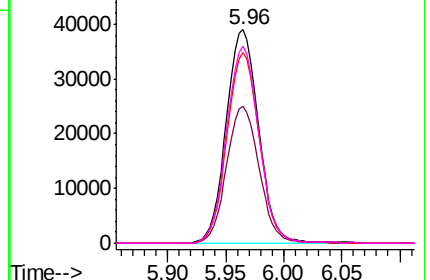
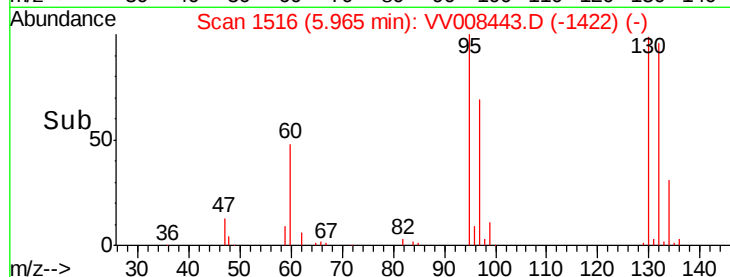


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 47.347 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

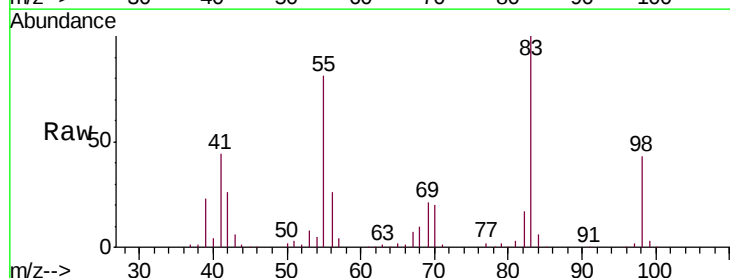
Tgt Ion: 83 Resp: 120479

Ion Ratio Lower Upper

83 100

55 81.7 65.0 97.4

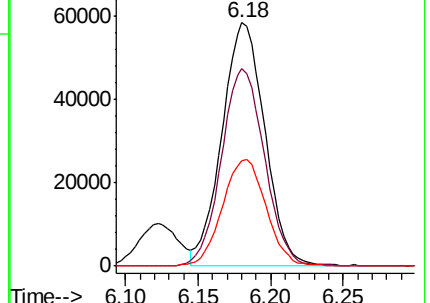
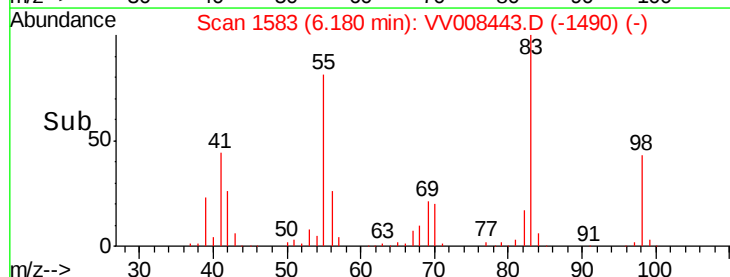
98 44.8 36.0 54.0

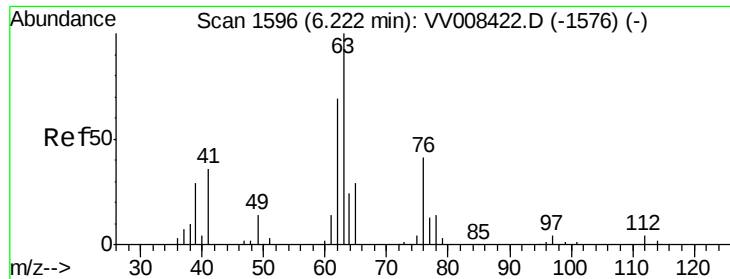


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0

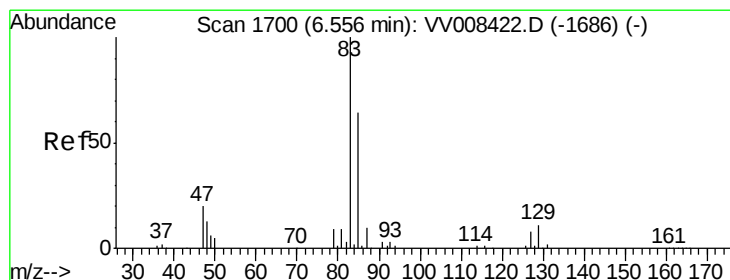
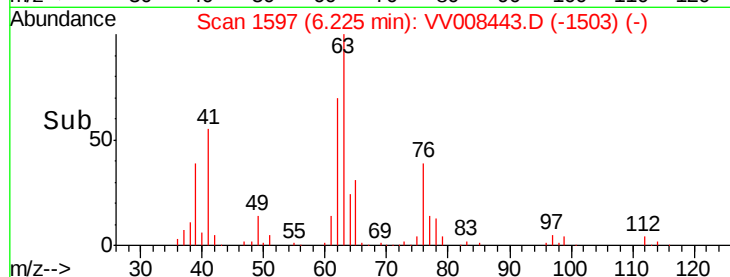
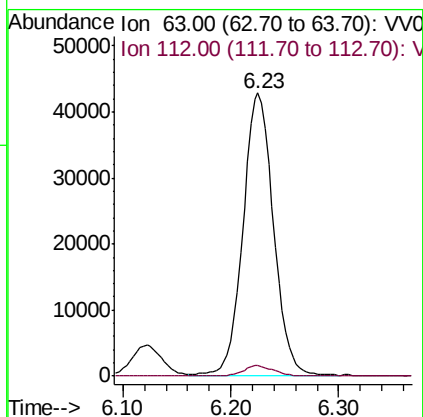
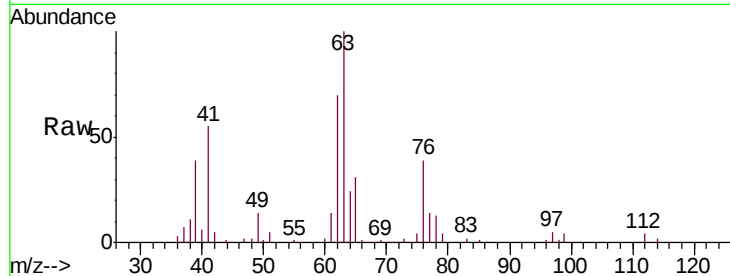




#37
 1,2-Dichloropropane
 Concen: 51.583 ug/L
 RT: 6.23 min Scan# 1597
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

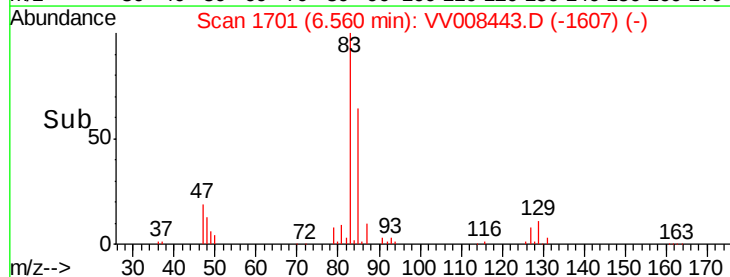
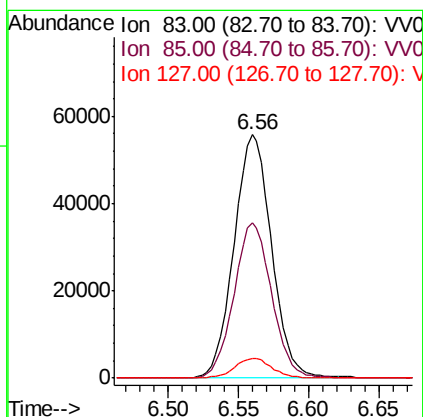
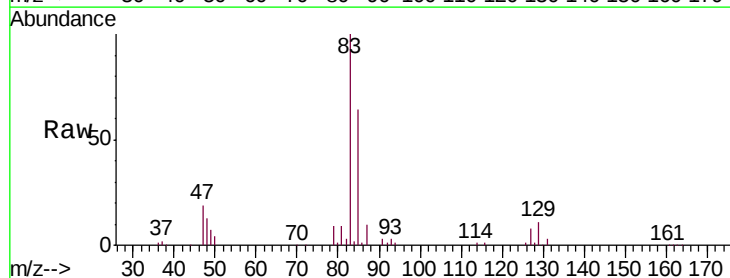
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

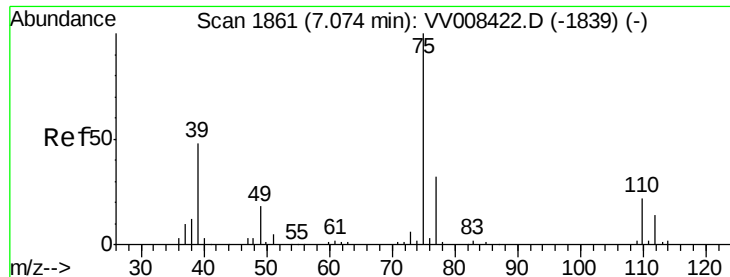
Tgt Ion: 63 Resp: 83284
 Ion Ratio Lower Upper
 63 100
 112 3.6 2.9 4.3



#38
 Bromodichloromethane
 Concen: 50.668 ug/L
 RT: 6.56 min Scan# 1701
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion: 83 Resp: 104244
 Ion Ratio Lower Upper
 83 100
 85 63.8 44.3 82.3
 127 8.2 6.3 9.5

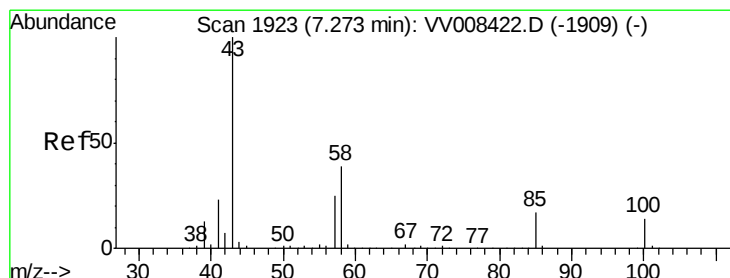
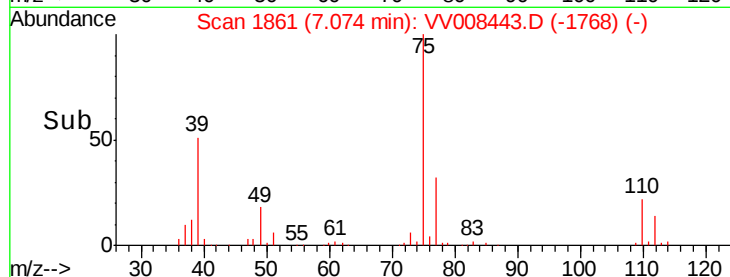
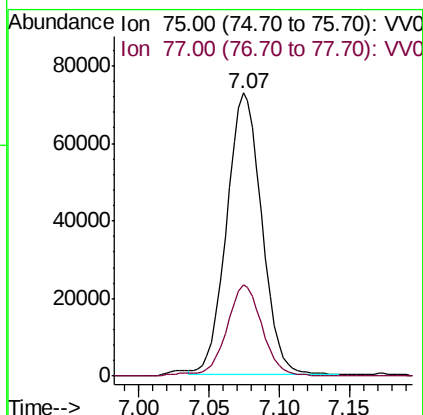
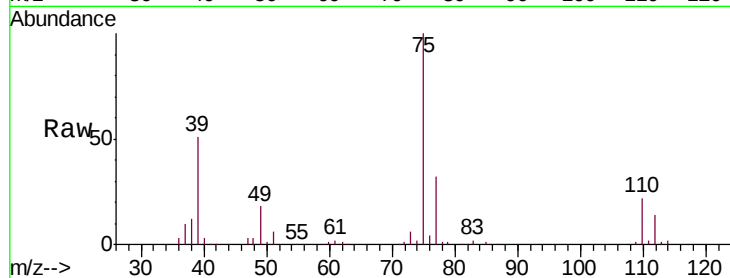




#39
 cis-1,3-Dichloropropene
 Concen: 49.767 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

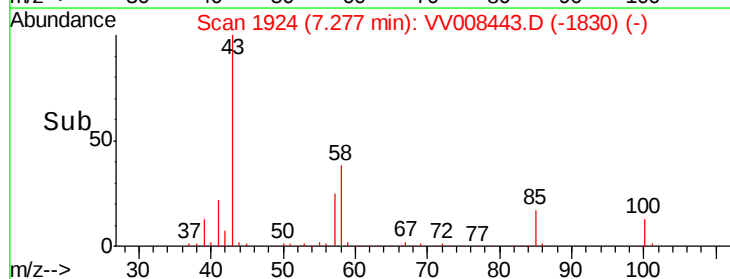
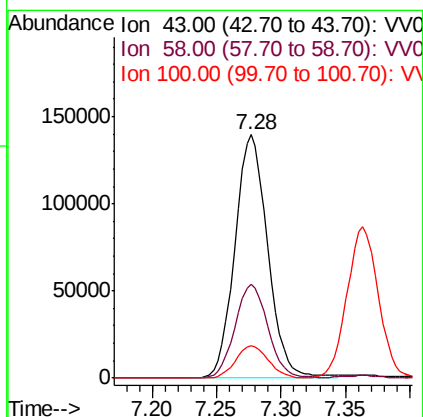
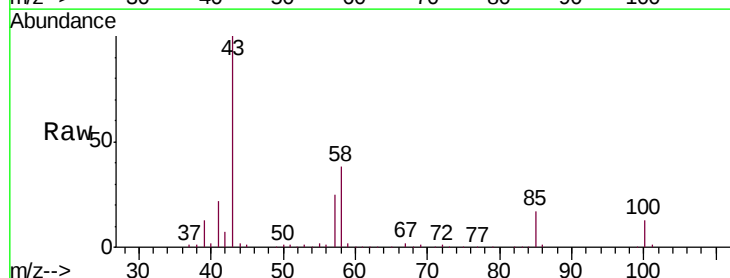
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

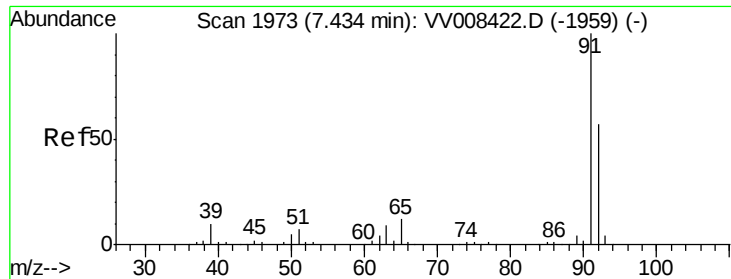
Tgt Ion: 75 Resp: 126324
 Ion Ratio Lower Upper
 75 100
 77 32.2 22.6 42.0



#40
 4-Methyl-2-pentanone
 Concen: 103.377 ug/L
 RT: 7.28 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion: 43 Resp: 247163
 Ion Ratio Lower Upper
 43 100
 58 38.6 30.9 46.3
 100 13.3 10.9 16.3





#42

Toluene

Concen: 50.714 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

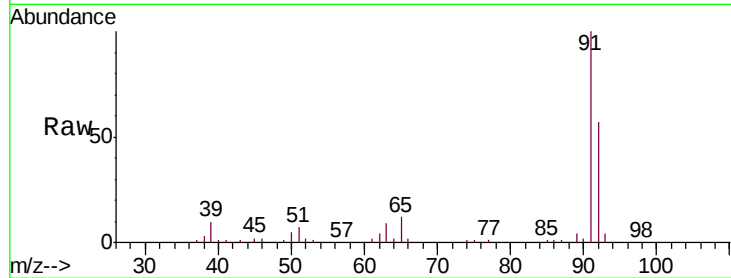
VSTD05080

Tgt Ion: 91 Resp: 307957

Ion Ratio Lower Upper

91 100

92 56.6 39.5 73.4



Abundance Ion 91.00 (90.70 to 91.70): VV008422.D (-1959) (-)

Ion 92.00 (91.70 to 92.70): VV008422.D (-1959) (-)

7.43

200000

150000

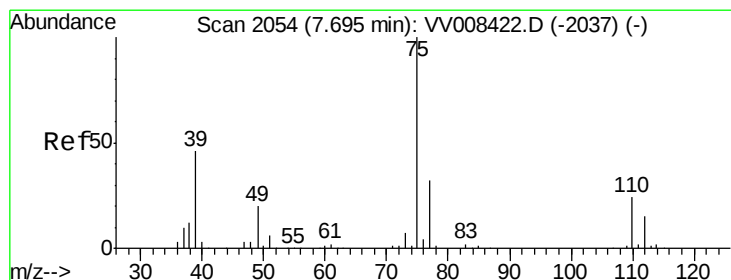
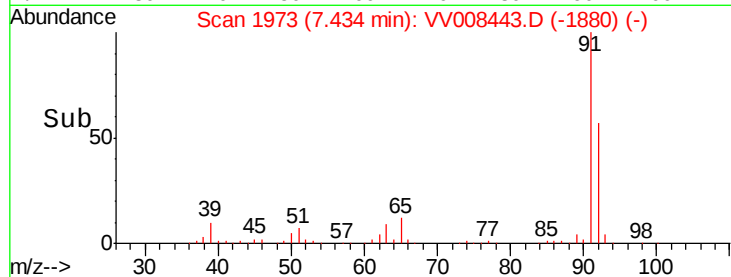
100000

50000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 51.326 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV008443.D

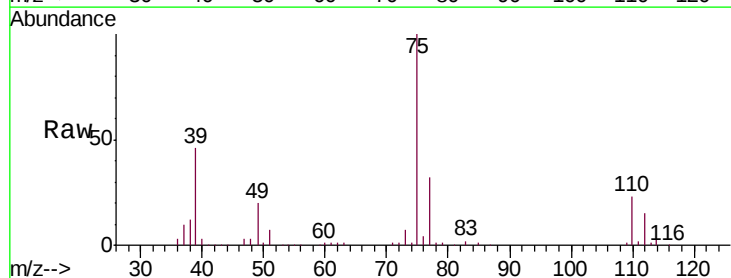
Acq: 26 Oct 2018 19:06

Tgt Ion: 75 Resp: 121884

Ion Ratio Lower Upper

75 100

77 31.6 21.8 40.4



Abundance Ion 75.00 (74.70 to 75.70): VV008422.D (-2037) (-)

Ion 77.00 (76.70 to 77.70): VV008422.D (-2037) (-)

7.70

80000

60000

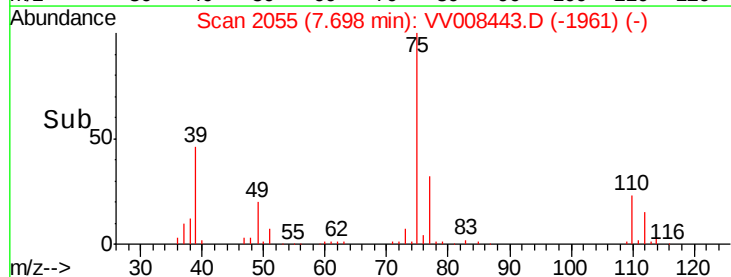
40000

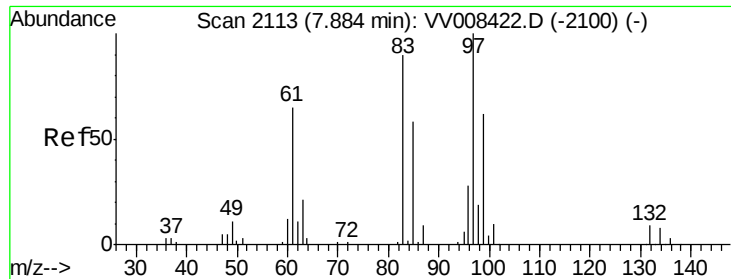
20000

0

7.60 7.65 7.70 7.75 7.80

Time-->

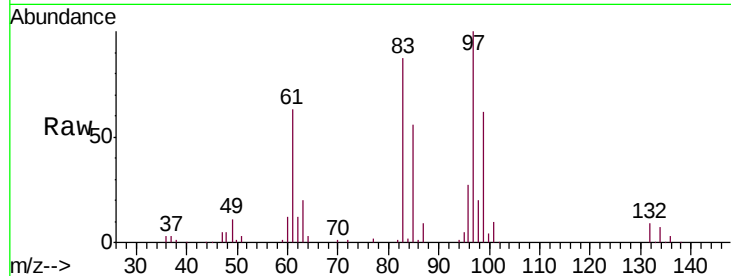




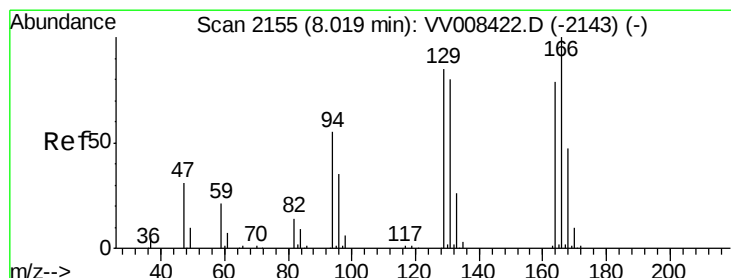
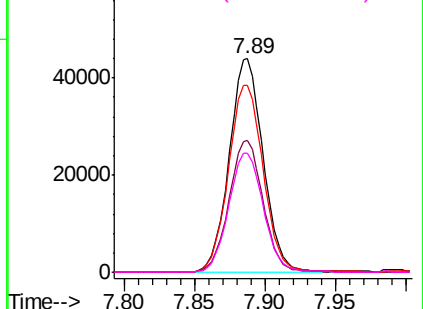
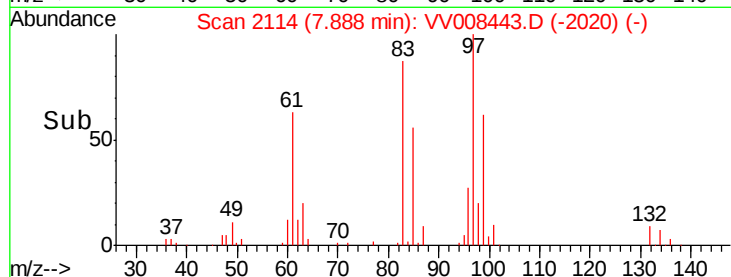
#45
 1,1,2-Trichloroethane
 Concen: 51.864 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

Tgt Ion:	97	Resp:	74039
Ion	Ratio	Lower	Upper
97	100		
99	61.9	43.3	80.3
83	87.4	61.9	114.9
85	55.6	40.9	75.9

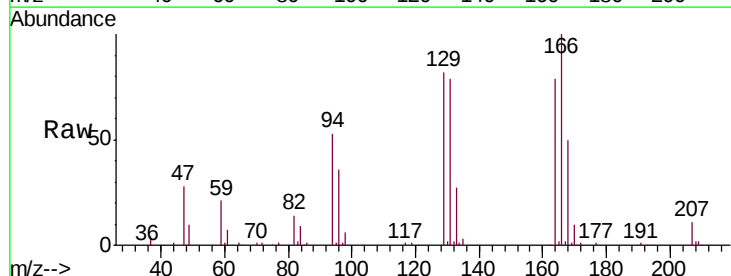


Abundance Ion 97.00 (96.70 to 97.70): VV008443.D (-2020) (-)

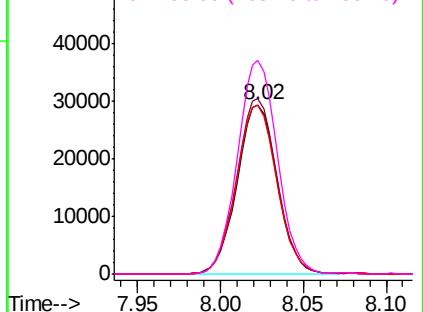
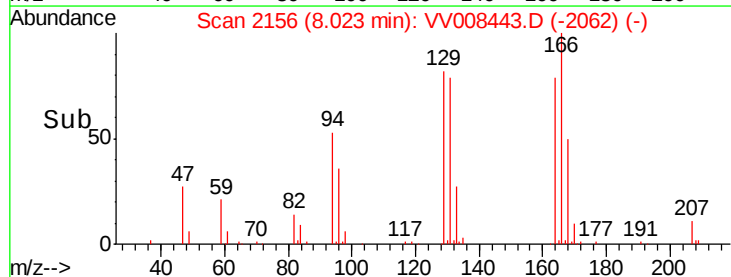


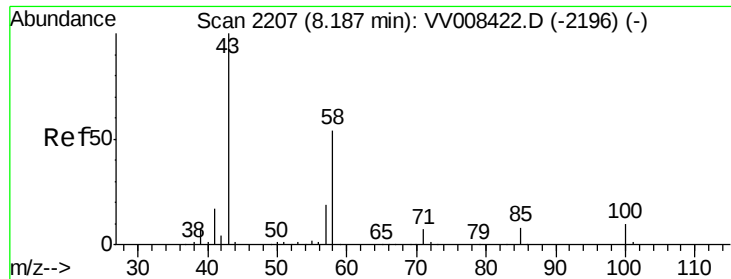
#46
 Tetrachloroethene
 Concen: 50.987 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion:	164	Resp:	49749
Ion	Ratio	Lower	Upper
164	100		
129	104.0	75.0	139.2
131	99.9	71.3	132.3
166	126.2	89.2	165.6



Abundance Ion 164.00 (163.70 to 164.70): VV008443.D (-2062) (-)

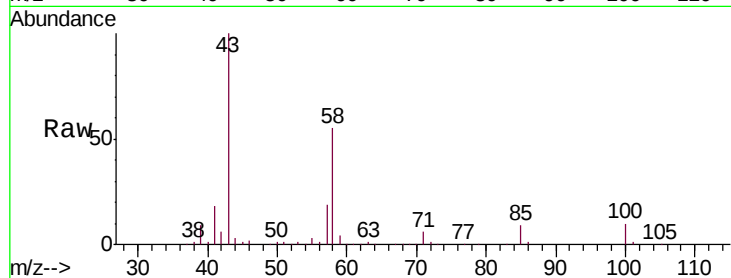




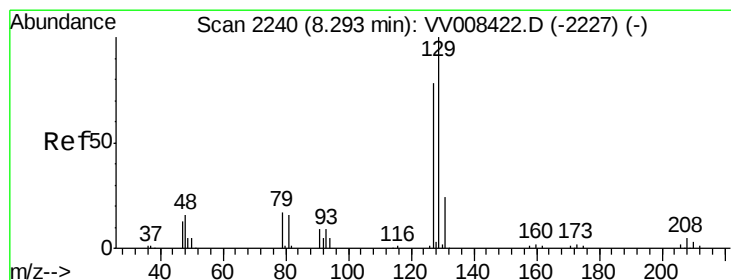
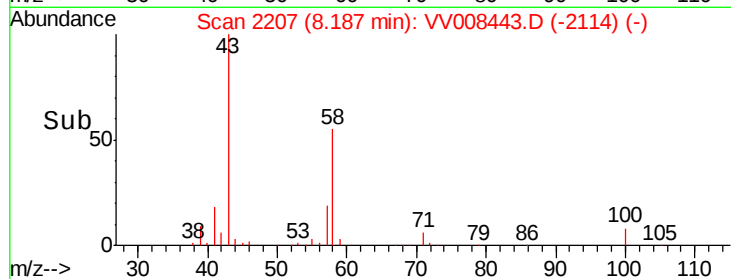
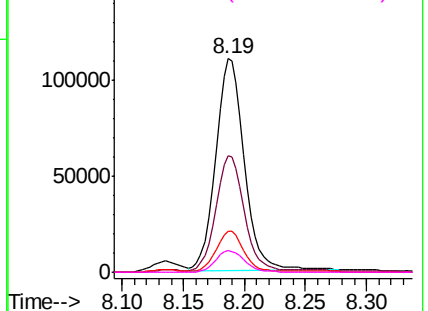
#48
2-Hexanone
Concen: 98.120 ug/L
RT: 8.19 min Scan# 2207
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion: 43 Resp: 181019
Ion Ratio Lower Upper
43 100
58 54.1 42.6 63.8
57 18.6 14.8 22.2
100 10.4 8.5 12.7

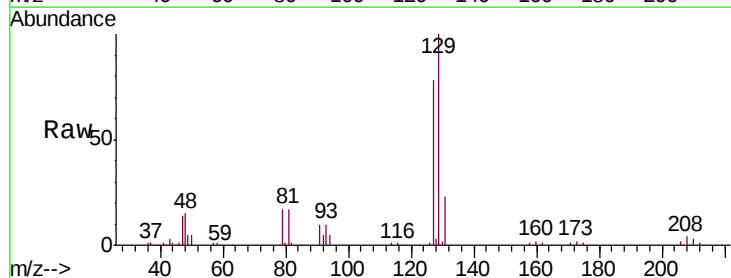


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

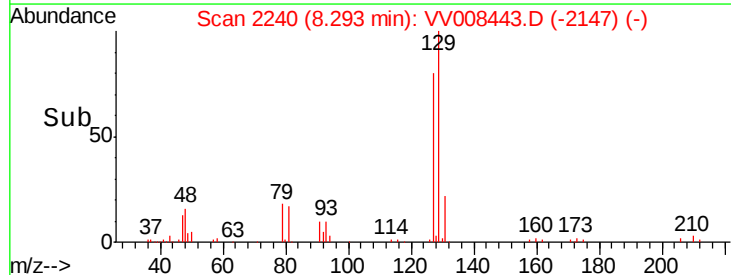
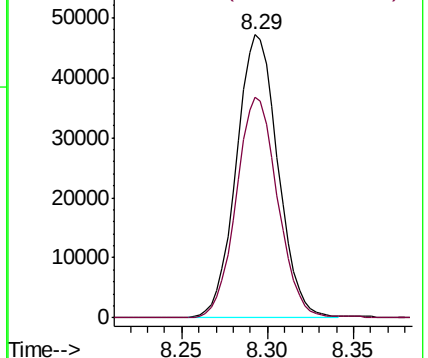


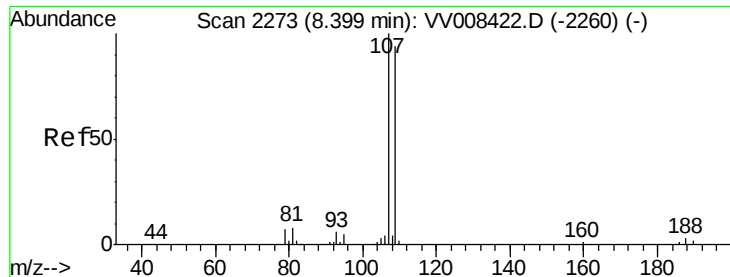
#49
Dibromochloromethane
Concen: 51.678 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Tgt Ion: 129 Resp: 79278
Ion Ratio Lower Upper
129 100
127 78.1 54.9 101.9



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

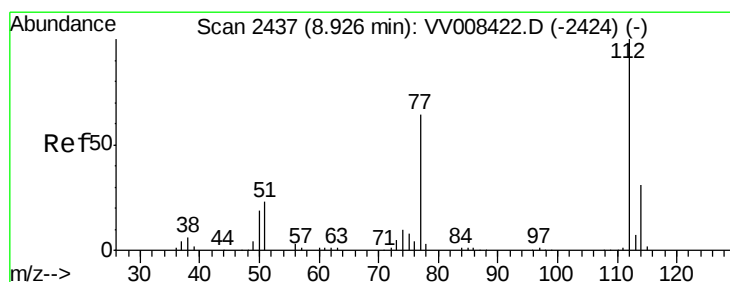
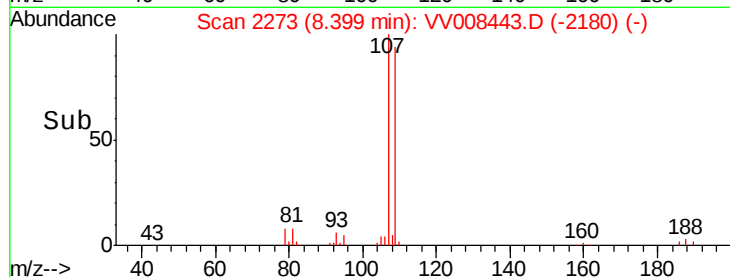
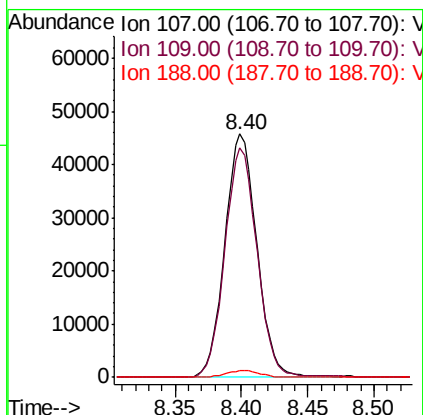
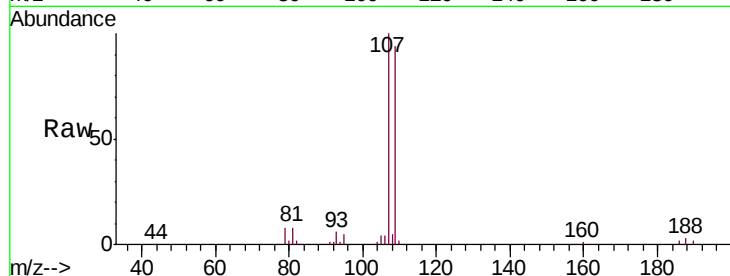




#50
1,2-Dibromoethane
Concen: 51.270 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

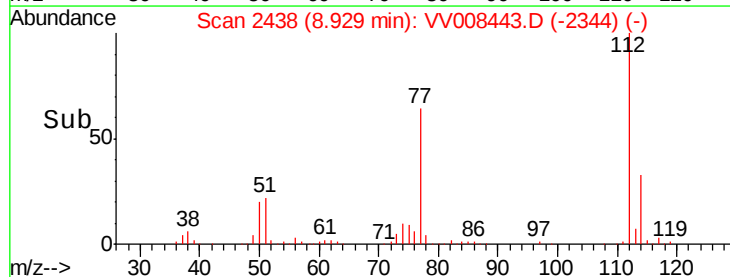
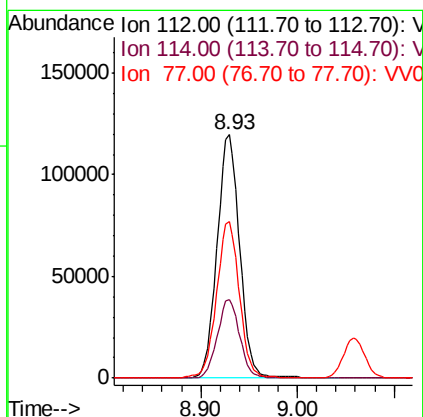
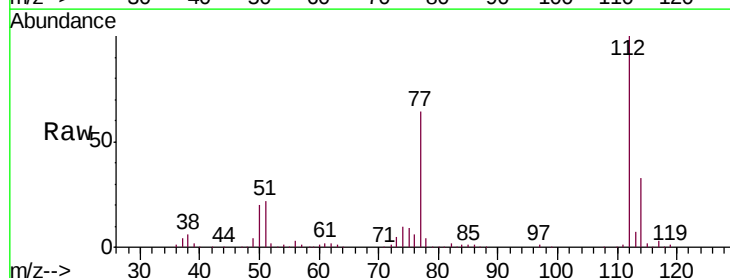
Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

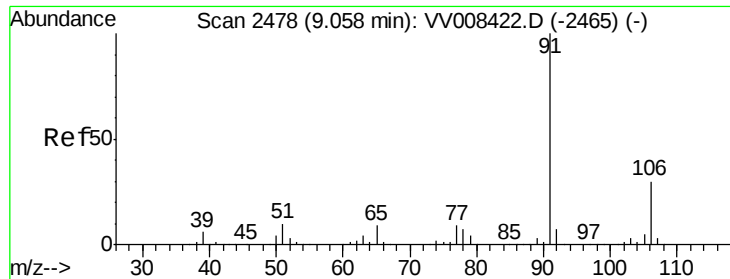
Tgt Ion:107 Resp: 76779
Ion Ratio Lower Upper
107 100
109 94.1 65.2 121.2
188 2.7 2.3 3.5



#51
Chlorobenzene
Concen: 51.912 ug/L
RT: 8.93 min Scan# 2438
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Tgt Ion:112 Resp: 194103
Ion Ratio Lower Upper
112 100
114 32.5 22.5 41.7
77 64.2 52.0 78.0





#52

Ethylbenzene

Concen: 50.981 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

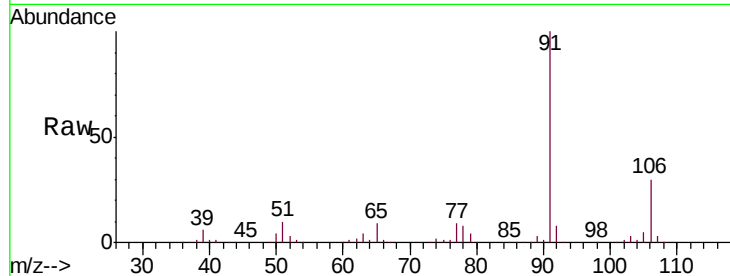
VSTD05080

Tgt Ion: 91 Resp: 346778

Ion Ratio Lower Upper

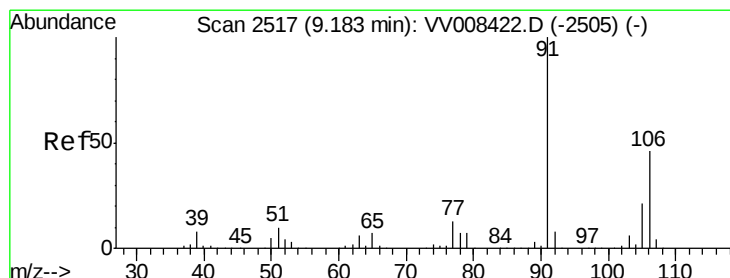
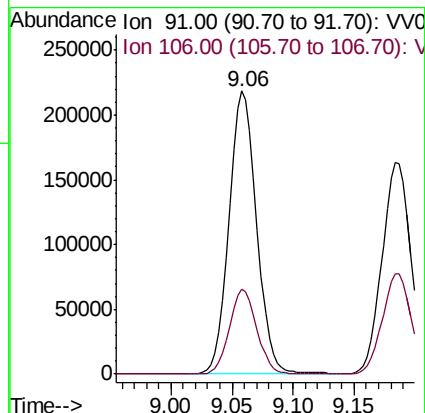
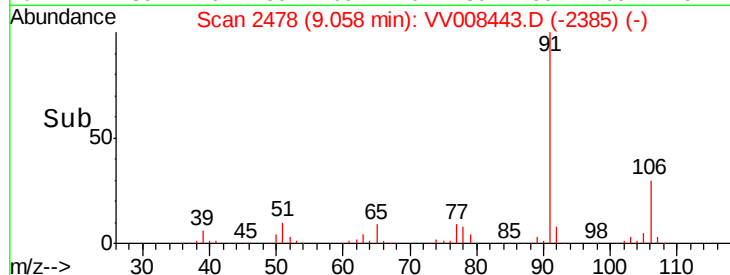
91 100

106 29.9 21.3 39.5



Abundance Ion 91.00 (90.70 to 91.70): VV008443.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008443.D (-2385) (-)



#53

m,p-Xylene

Concen: 50.859 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008443.D

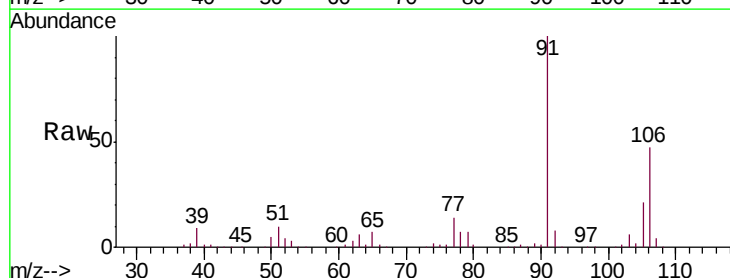
Acq: 26 Oct 2018 19:06

Tgt Ion: 106 Resp: 126389

Ion Ratio Lower Upper

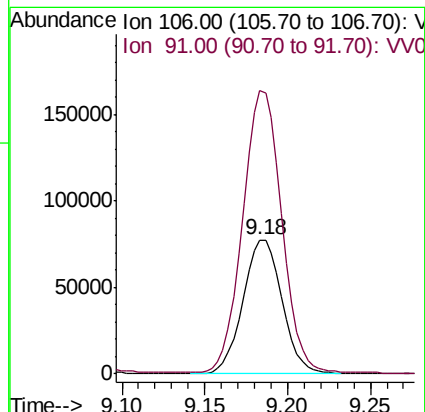
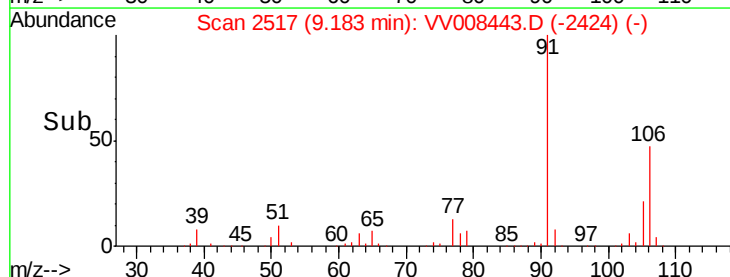
106 100

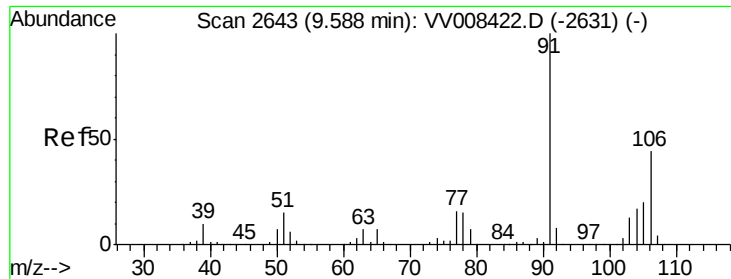
91 211.5 150.0 278.6



Abundance Ion 106.00 (105.70 to 106.70): VV008443.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008443.D (-2424) (-)

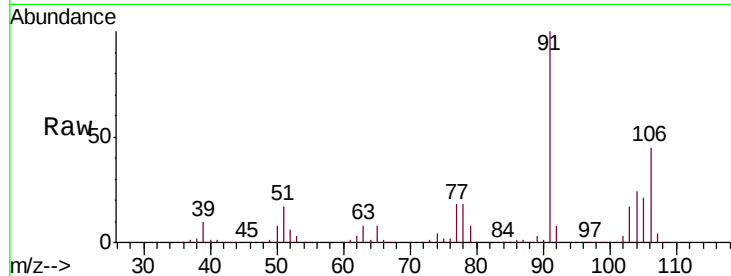




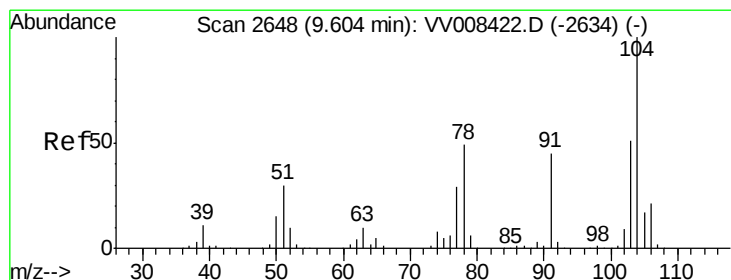
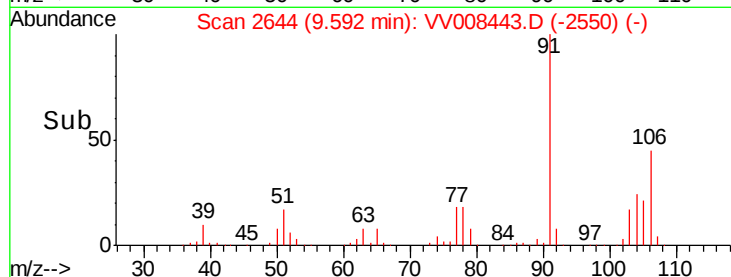
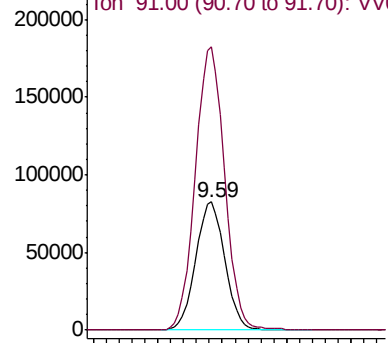
#54
o-xylene
Concen: 52.252 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Instrument :
MSVOA_V
ClientSampleId :
VSTD05080

Tgt Ion:106 Resp: 129664
Ion Ratio Lower Upper
106 100
91 220.7 158.7 294.7

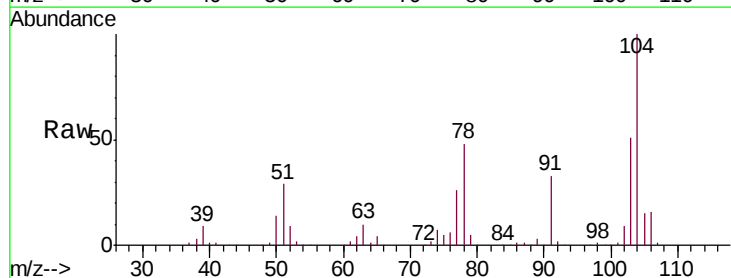


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VV0

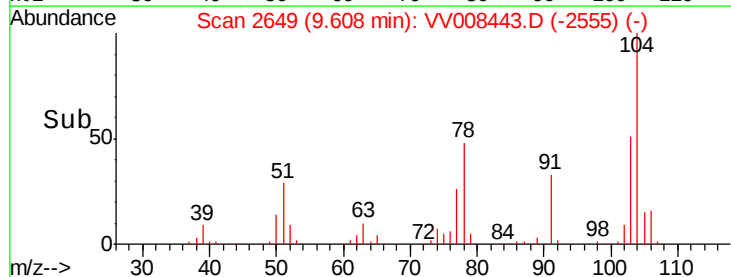
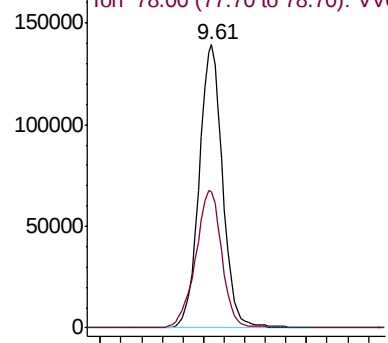


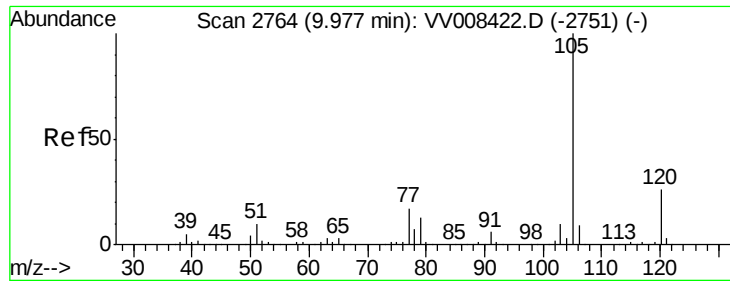
#55
Styrene
Concen: 52.833 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV008443.D
Acq: 26 Oct 2018 19:06

Tgt Ion:104 Resp: 220909
Ion Ratio Lower Upper
104 100
78 48.3 34.4 64.0



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





#56

Isopropylbenzene

Concen: 51.184 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampled :

VSTD05080

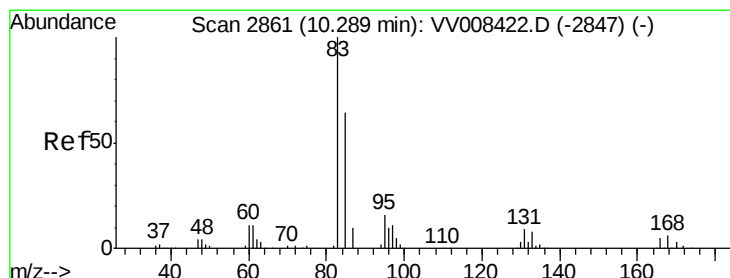
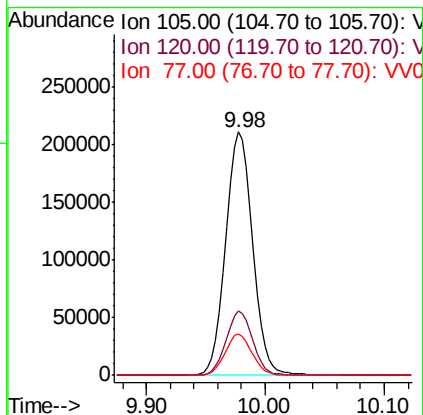
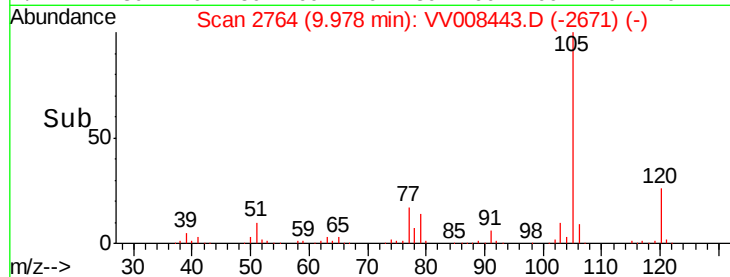
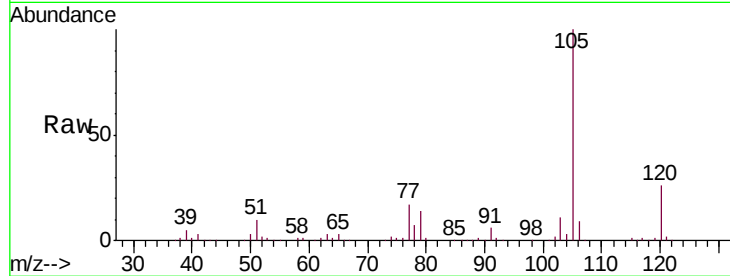
Tgt Ion: 105 Resp: 332331

Ion Ratio Lower Upper

105 100

120 26.0 20.7 31.1

77 16.9 13.5 20.3



#58

1,1,2,2-Tetrachloroethane

Concen: 53.194 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

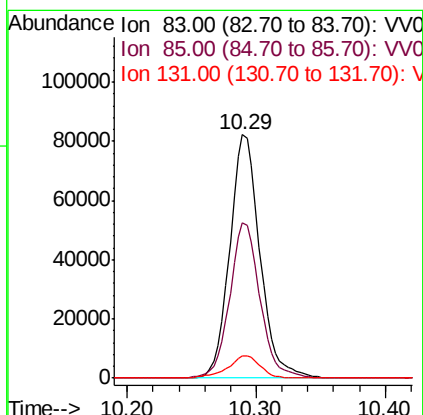
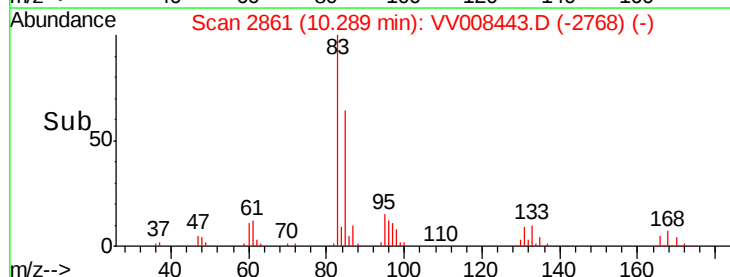
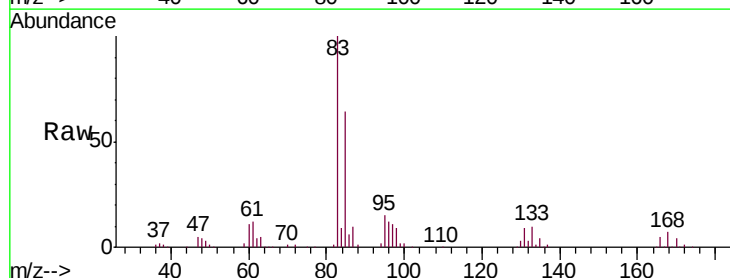
Tgt Ion: 83 Resp: 132996

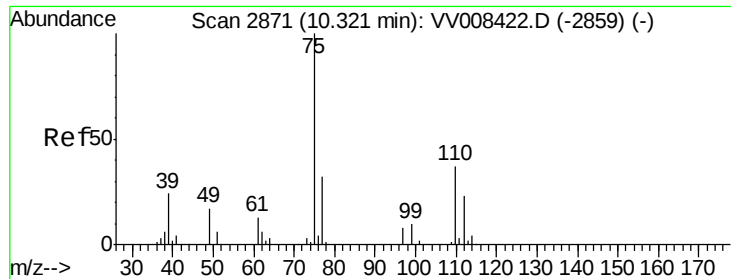
Ion Ratio Lower Upper

83 100

85 63.8 45.8 85.2

131 9.3 7.3 10.9

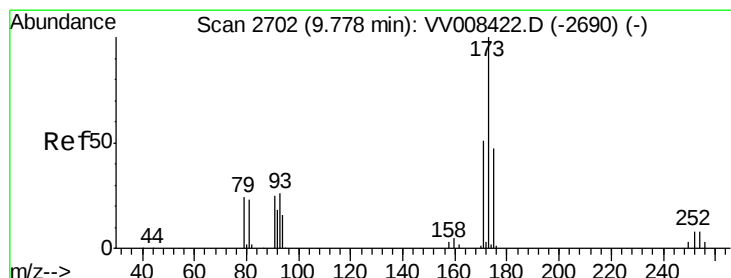
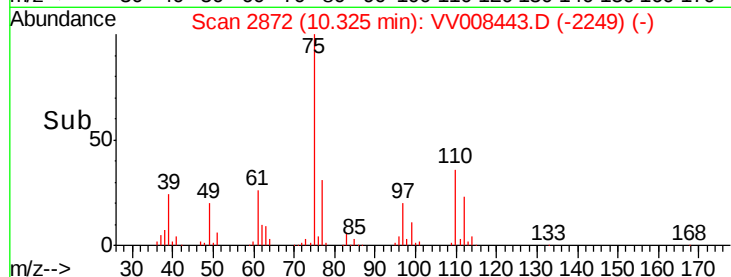
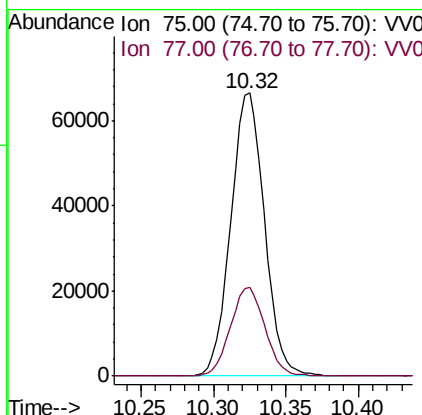
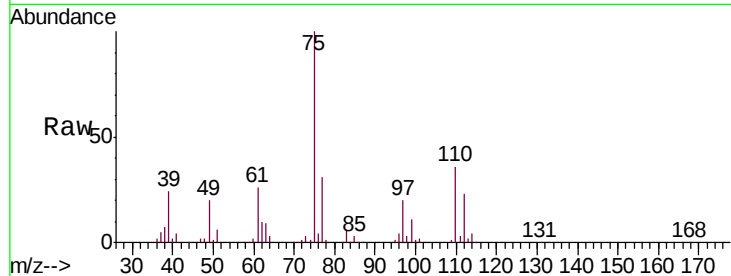




#59
 1,2,3-Trichloropropane
 Concen: 53.010 ug/L
 RT: 10.32 min Scan# 2872
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

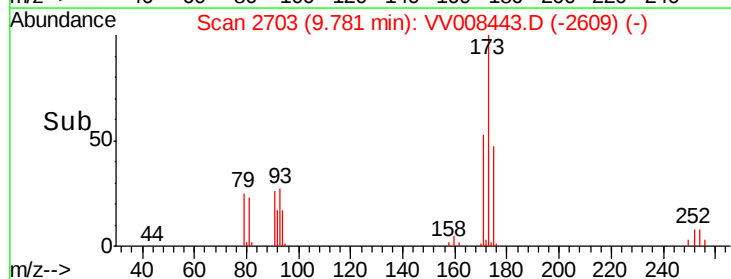
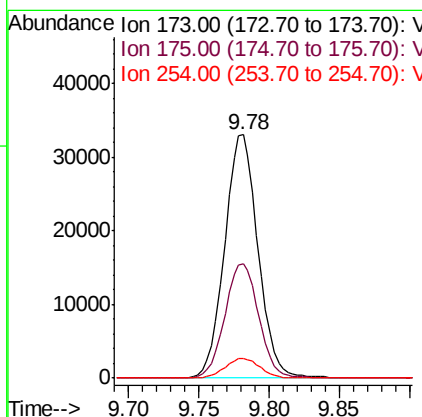
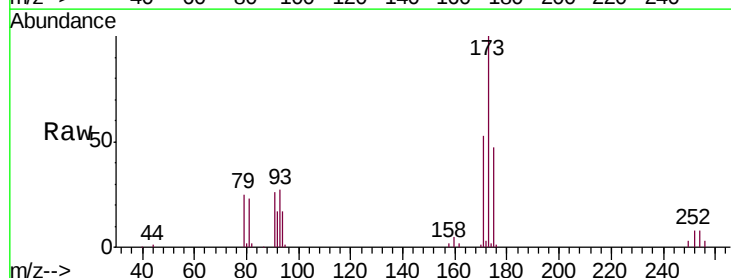
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

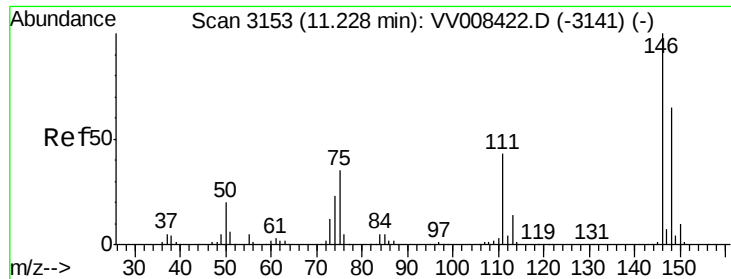
Tgt Ion: 75 Resp: 107261
 Ion Ratio Lower Upper
 75 100
 77 32.1 25.8 38.8



#61
 Bromoform
 Concen: 51.306 ug/L
 RT: 9.78 min Scan# 2703
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion: 173 Resp: 54546
 Ion Ratio Lower Upper
 173 100
 175 47.7 38.6 57.8
 254 8.2 5.9 8.9

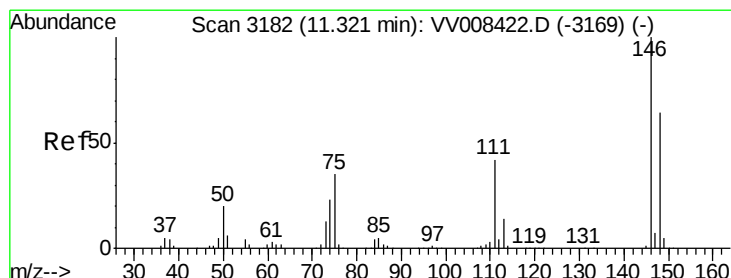
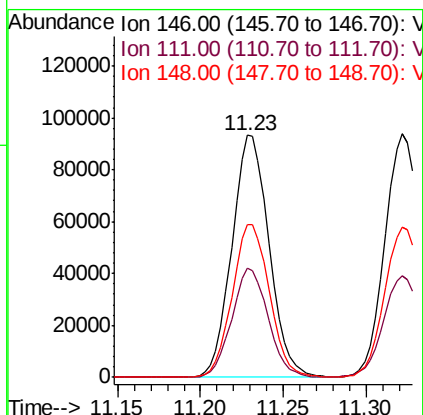
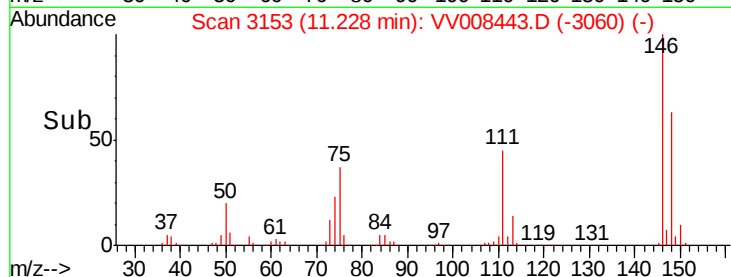
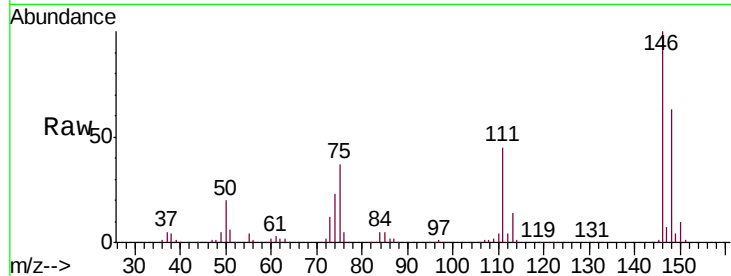




#62
 1,3-Dichlorobenzene
 Concen: 52.286 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

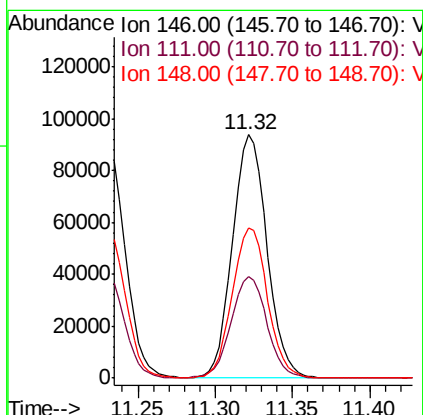
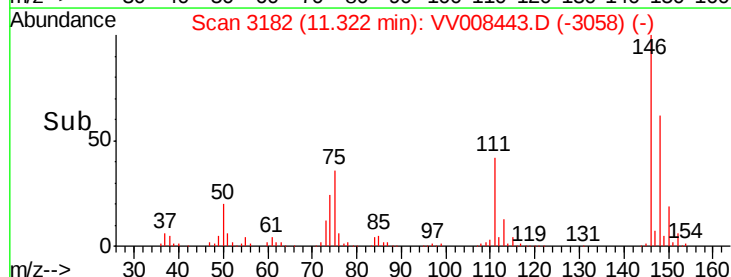
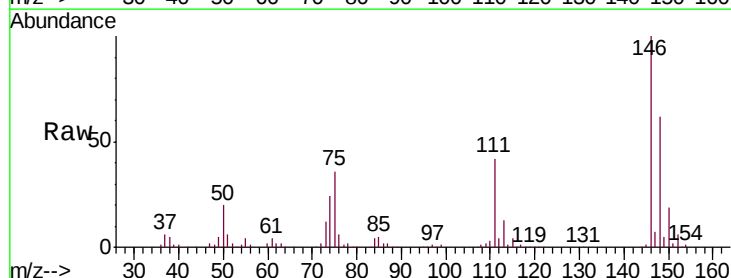
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

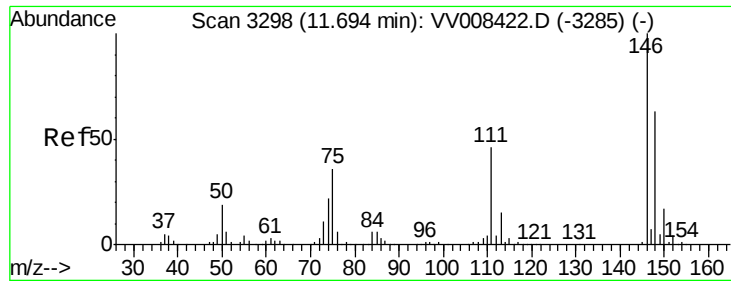
Tgt Ion:146 Resp: 145653
 Ion Ratio Lower Upper
 146 100
 111 45.1 30.9 57.3
 148 63.3 44.1 81.9



#63
 1,4-Dichlorobenzene
 Concen: 52.071 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion:146 Resp: 145382
 Ion Ratio Lower Upper
 146 100
 111 41.9 29.8 55.4
 148 61.9 44.4 82.5

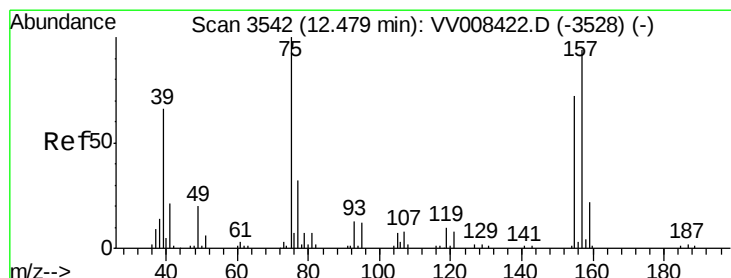
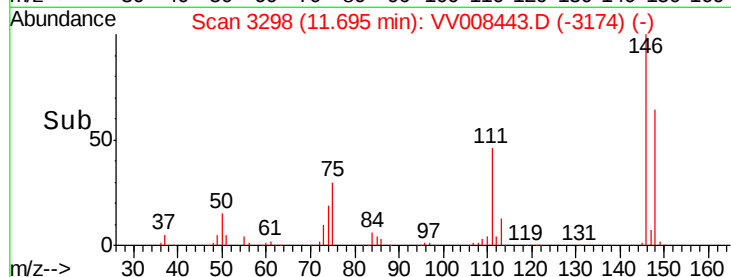
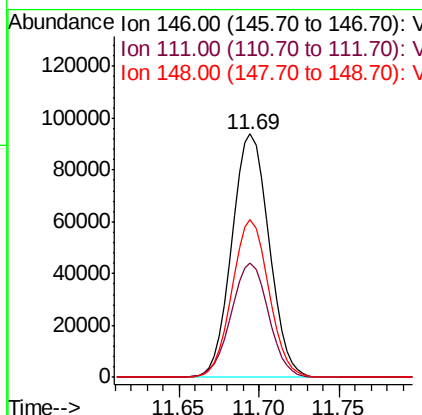
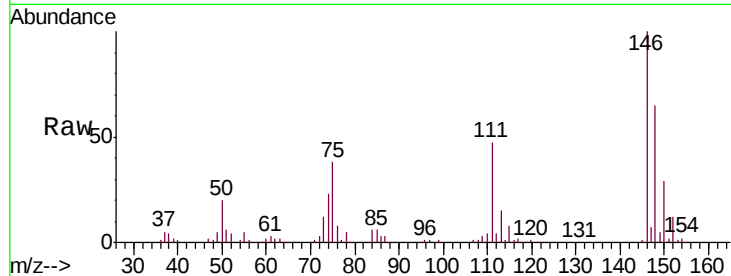




#65
 1,2-Dichlorobenzene
 Concen: 52.396 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

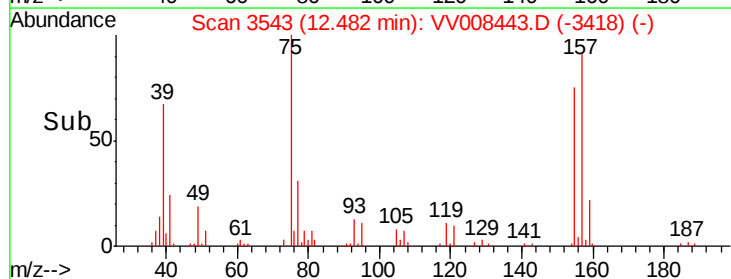
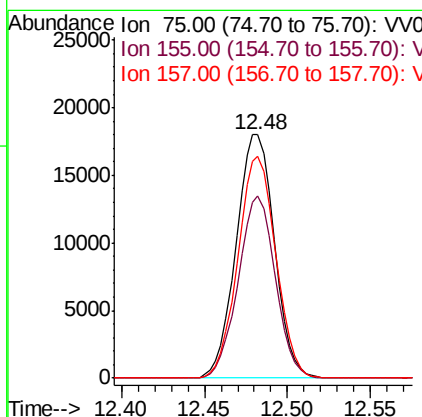
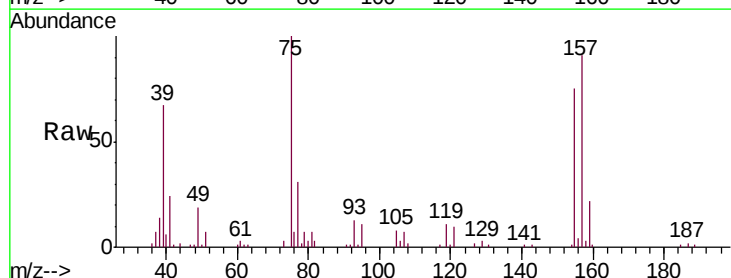
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05080

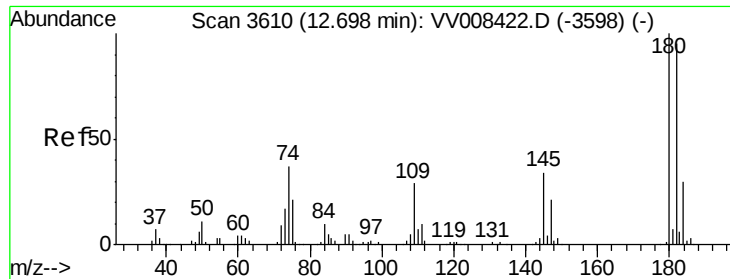
Tgt Ion: 146 Resp: 148842
 Ion Ratio Lower Upper
 146 100
 111 46.7 36.2 54.2
 148 64.6 50.3 75.5



#66
 1,2-Dibromo-3-chloropropane
 Concen: 49.455 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion: 75 Resp: 28882
 Ion Ratio Lower Upper
 75 100
 155 74.9 55.4 83.0
 157 91.2 72.8 109.2

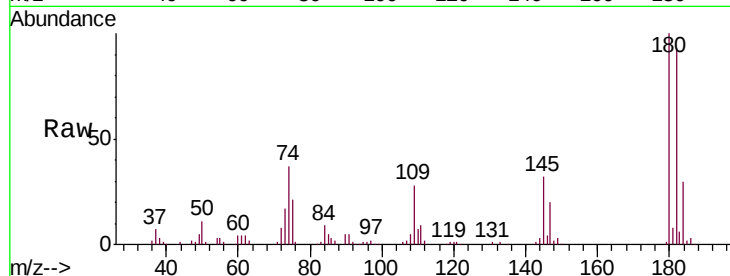




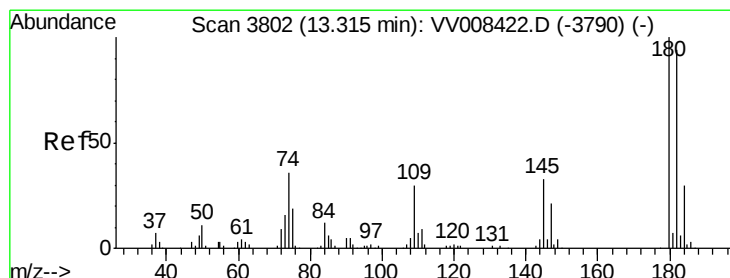
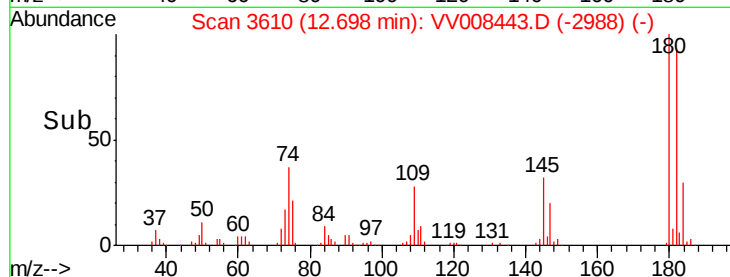
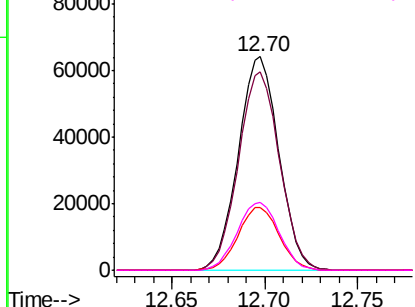
#67
 1,3,5-Trichlorobenzene
 Concen: 53.524 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Instrument :
 MSVOA_V
 ClientSampleID :
 VSTD05080

Tgt Ion:180 Resp: 97360
 Ion Ratio Lower Upper
 180 100
 182 94.0 75.9 113.9
 184 30.0 24.1 36.1
 145 32.9 26.8 40.2

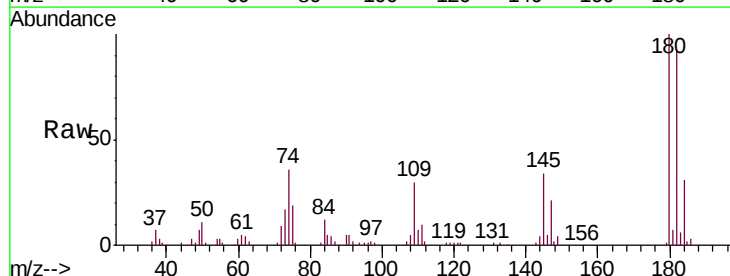


Abundance Ion 180.00 (179.70 to 180.70): V
 100000
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

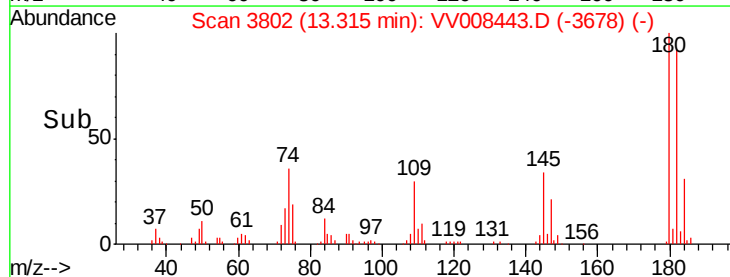
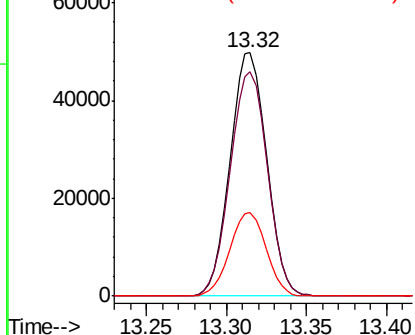


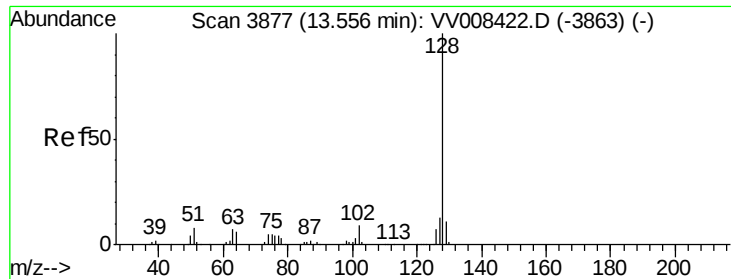
#68
 1,2,4-trichlorobenzene
 Concen: 52.707 ug/L
 RT: 13.32 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV008443.D
 Acq: 26 Oct 2018 19:06

Tgt Ion:180 Resp: 77567
 Ion Ratio Lower Upper
 180 100
 182 93.6 75.4 113.2
 145 34.1 27.0 40.6



Abundance Ion 180.00 (179.70 to 180.70): V
 60000
 Ion 182.00 (181.70 to 182.70): V
 Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.313 ug/L

RT: 13.56 min Scan# 3877

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

Instrument :

MSVOA_V

ClientSampleId :

VSTD05080

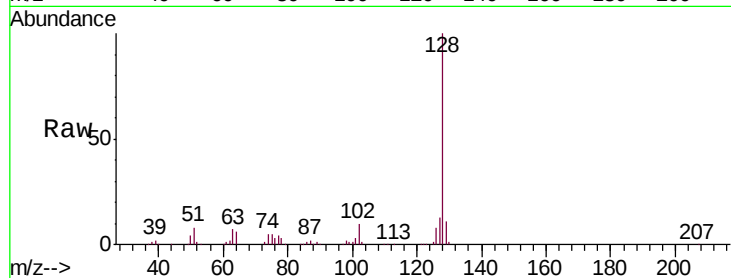
Tgt Ion:128 Resp: 229915

Ion Ratio Lower Upper

128 100

127 13.1 10.6 15.8

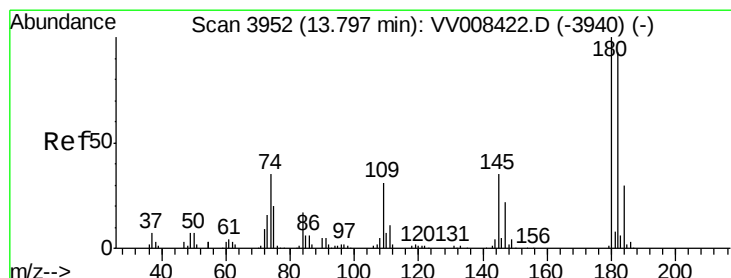
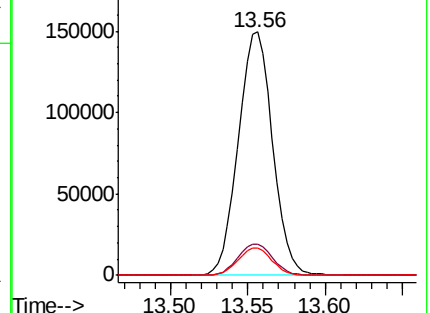
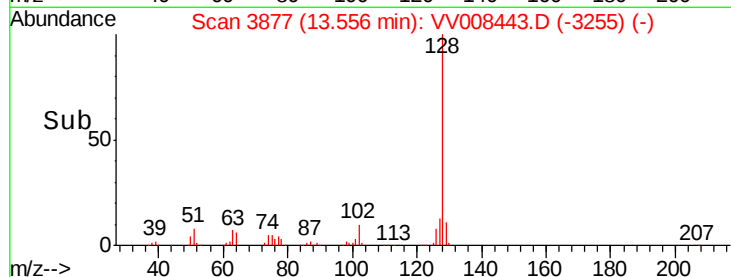
129 11.1 8.9 13.3



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: 53.129 ug/L

RT: 13.80 min Scan# 3952

Delta R.T. 0.00 min

Lab File: VV008443.D

Acq: 26 Oct 2018 19:06

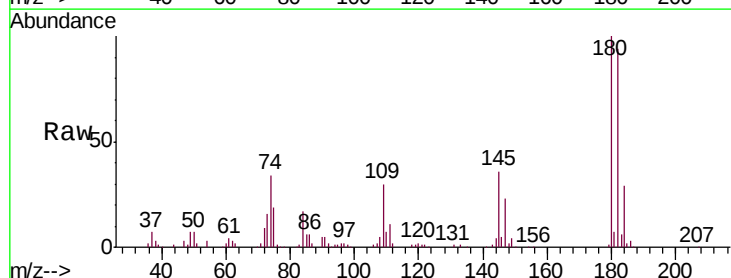
Tgt Ion:180 Resp: 78140

Ion Ratio Lower Upper

180 100

182 94.0 75.7 113.5

145 36.2 28.6 43.0



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

