

Data File : VV008946.D
Acq On : 14 Dec 2018 21:52
Operator : SY/MD
Sample : VSTDCCC050
Misc : 5.0 mL/MSVOA_V/WATER
ALS Vial : 25 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Quant Time: Dec 14 23:46:57 2018
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM121318WMA.M
Quant Title : VOC Analysis
QLast Update : Fri Dec 14 23:39:04 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	216662	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	203780	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	102681	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	58640	46.34	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	92.68%
7) Chloroethane-d5	1.56	69	43676	54.85	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	109.70%
11) 1,1-Dichloroethene-d2	2.13	63	155665	52.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	104.20%
21) 2-Butanone-d5	3.93	46	95330	112.84	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	112.84%
24) Chloroform-d	4.41	84	138266	51.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.44%
26) 1,2-Dichloroethane-d4	5.08	65	87610	50.95	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	101.90%
32) Benzene-d6	5.10	84	274982	50.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.14%
36) 1,2-Dichloropropane-d6	6.12	67	81857	49.61	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.22%
41) Toluene-d8	7.36	98	261180	50.67	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.34%
43) trans-1,3-Dichloropropene-	7.67	79	41026	49.02	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	98.04%
47) 2-Hexanone-d5	8.13	63	68422	112.03	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	112.03%
57) 1,1,2,2-Tetrachloroethane-	10.26	84	108974	51.15	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	102.30%
64) 1,2-Dichlorobenzene-d4	11.67	152	106490	50.28	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	100.56%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	75237	49.439	ug/L 100
3) Chloromethane	1.25	50	62812	49.191	ug/L 98
5) Vinyl chloride	1.33	62	65035	48.762	ug/L 99
6) Bromomethane	1.52	94	29399	41.198	ug/L 98
8) Chloroethane	1.58	64	40340	59.296	ug/L 99
9) Trichlorofluoromethane	1.76	101	132573	54.860	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	74592	50.443	ug/L 96
12) 1,1-Dichloroethene	2.14	96	68809	51.147	ug/L 96
13) Acetone	2.19	43	91801	72.266	ug/L 100
14) Carbon disulfide	2.32	76	173293	47.173	ug/L 100
15) Methyl Acetate	2.46	43	72953	53.062	ug/L 99
16) Methylene chloride	2.54	84	72703	48.532	ug/L 97
17) trans-1,2-Dichloroethene	2.79	96	68701	50.462	ug/L 96
18) Methyl tert-butyl Ether	2.81	73	225560	52.046	ug/L 99
19) 1,1-Dichloroethane	3.23	63	124077	51.626	ug/L 99
20) cis-1,2-Dichloroethene	3.96	96	77356	49.528	ug/L 94
22) 2-Butanone	4.02	43	96565	90.546	ug/L 97

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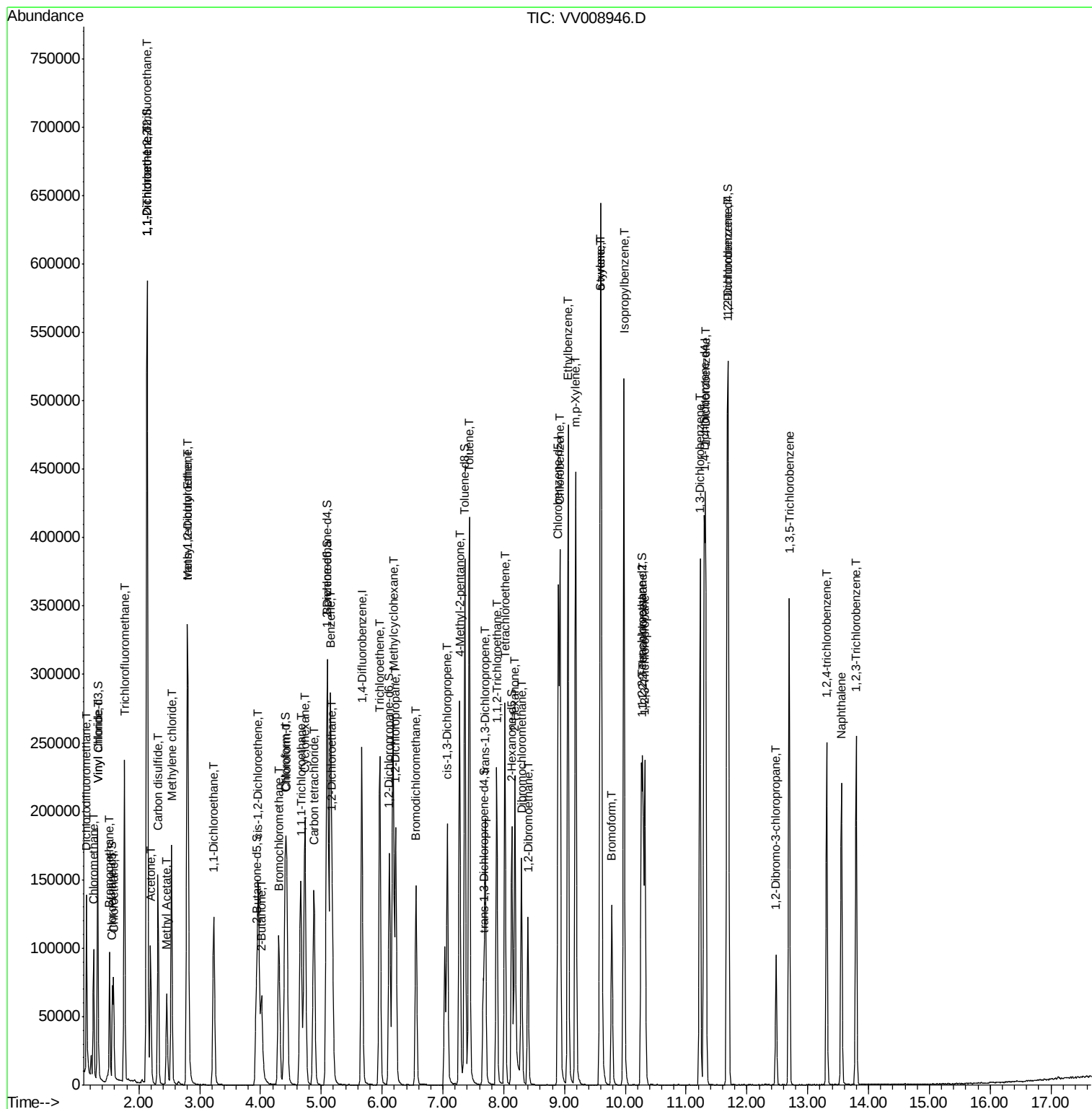
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	41211	50.416	ug/L	96
25) Chloroform	4.43	83	137497	51.318	ug/L	98
27) 1,2-Dichloroethane	5.18	62	104293	50.099	ug/L	100
29) Cyclohexane	4.73	56	106706	49.159	ug/L	97
30) 1,1,1-Trichloroethane	4.66	97	122437	49.035	ug/L	100
31) Carbon tetrachloride	4.88	117	109473	48.557	ug/L	100
33) Benzene	5.15	78	282519	50.296	ug/L	100
34) Trichloroethene	5.96	95	82047	50.597	ug/L	99
35) Methylcyclohexane	6.18	83	117755	48.968	ug/L	98
37) 1,2-Dichloropropane	6.23	63	71975	49.562	ug/L	100
38) Bromodichloromethane	6.56	83	98056	48.790	ug/L	99
39) cis-1,3-Dichloropropene	7.07	75	110341	47.644	ug/L	99
40) 4-Methyl-2-pentanone	7.27	43	182610	108.841	ug/L	99
42) Toluene	7.43	91	303397	50.554	ug/L	100
44) trans-1,3-Dichloropropene	7.69	75	106943	49.539	ug/L	98
45) 1,1,2-Trichloroethane	7.88	97	74027	50.340	ug/L	99
46) Tetrachloroethene	8.02	164	64904	50.264	ug/L	94
48) 2-Hexanone	8.18	43	141060	100.956	ug/L	97
49) Dibromochloromethane	8.29	129	84921	49.691	ug/L	100
50) 1,2-Dibromoethane	8.40	107	80653	51.312	ug/L	100
51) Chlorobenzene	8.93	112	207714	50.652	ug/L	100
52) Ethylbenzene	9.06	91	338785	51.154	ug/L	100
53) m,p-Xylene	9.18	106	130681	51.744	ug/L	99
54) o-xylene	9.59	106	128881	51.594	ug/L	99
55) Styrene	9.60	104	217845	52.747	ug/L	99
56) Isopropylbenzene	9.98	105	339299	51.459	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	108216	50.094	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	96806	52.932	ug/L	100
61) Bromoform	9.78	173	61611	46.702	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	159603	48.487	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	161916	48.851	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	167037	49.977	ug/L	99
66) 1,2-Dibromo-3-chloropropan	12.48	75	23456	51.338	ug/L	98
67) 1,3,5-Trichlorobenzene	12.69	180	109479	51.607	ug/L	99
68) 1,2,4-trichlorobenzene	13.31	180	77190	53.047	ug/L	99
69) Naphthalene	13.55	128	178693	49.114	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	79758	54.428	ug/L	97

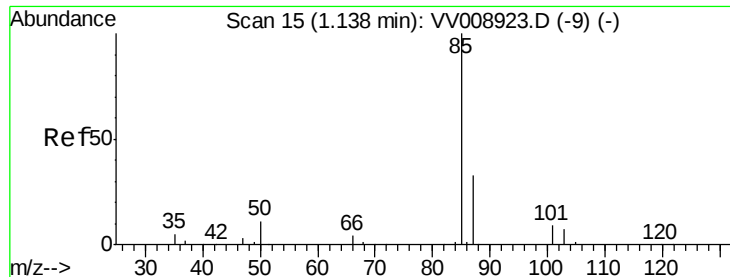
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 49.439 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

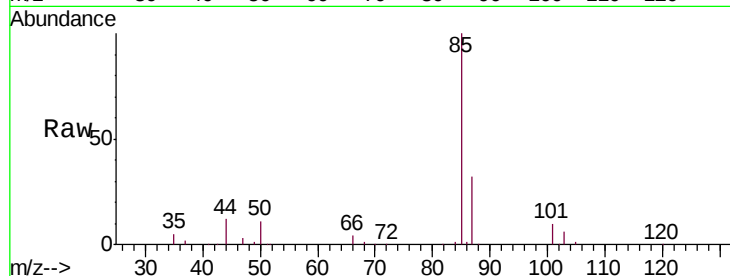
VSTD05079

Tgt Ion: 85 Resp: 75237

Ion Ratio Lower Upper

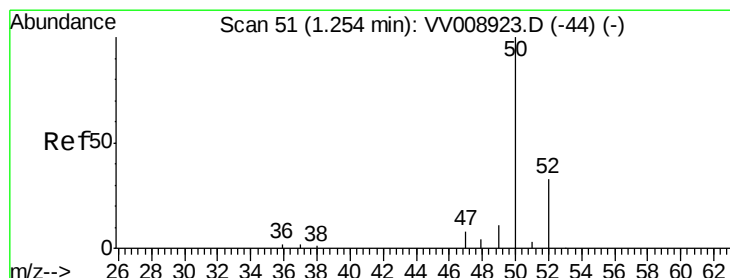
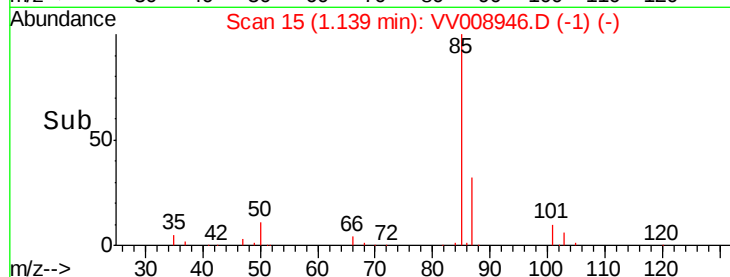
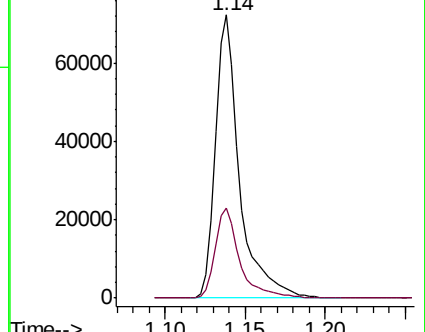
85 100

87 32.7 26.2 39.4



Abundance Ion 85.00 (84.70 to 85.70): VV008923.D (-9) (-)

Ion 87.00 (86.70 to 87.70): VV008923.D (-9) (-)



#3

Chloromethane

Concen: 49.191 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV008946.D

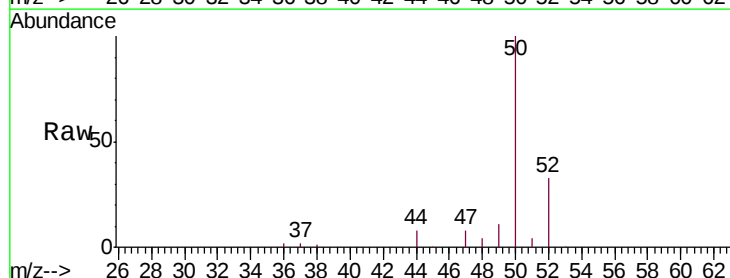
Acq: 14 Dec 2018 21:52

Tgt Ion: 50 Resp: 62812

Ion Ratio Lower Upper

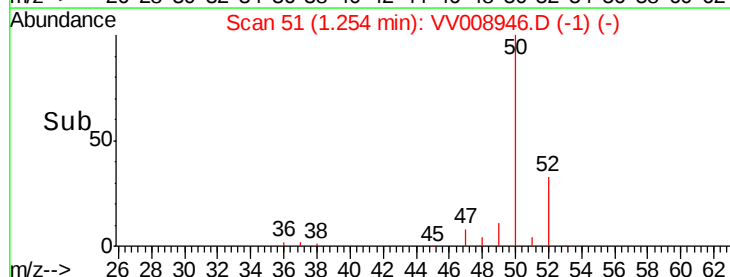
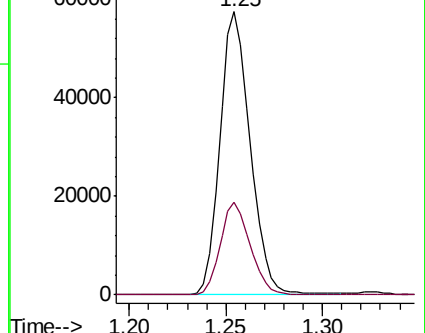
50 100

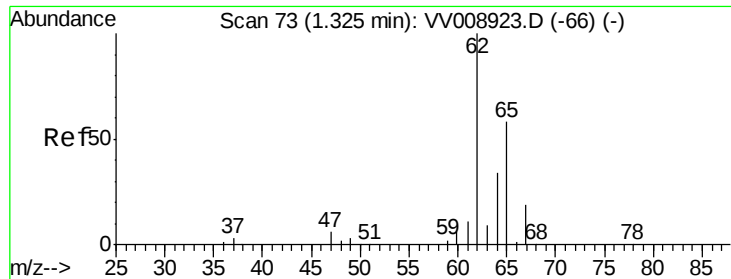
52 32.5 21.9 40.7



Abundance Ion 50.00 (49.70 to 50.70): VV008923.D (-44) (-)

Ion 52.00 (51.70 to 52.70): VV008923.D (-44) (-)





#5

Vinyl chloride

Concen: 48.762 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

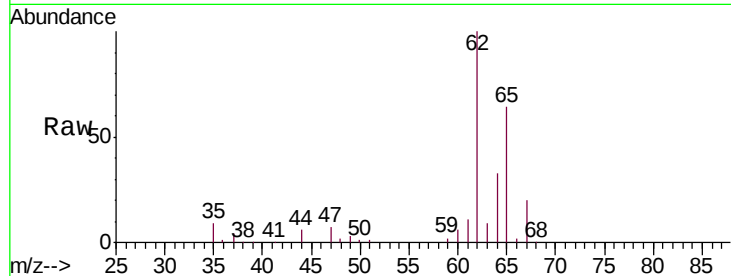
VSTD05079

Tgt Ion: 62 Resp: 65035

Ion Ratio Lower Upper

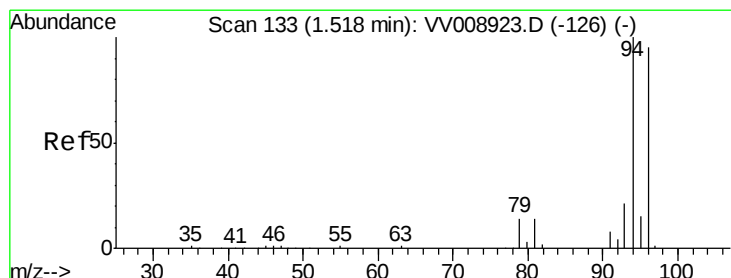
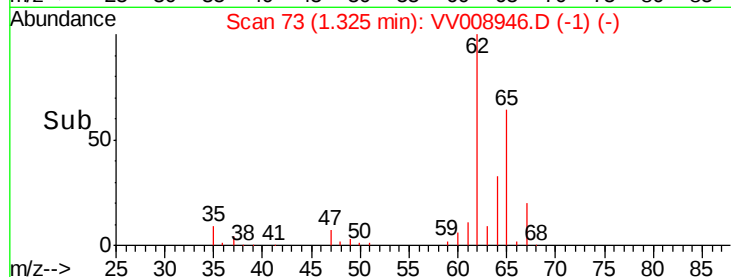
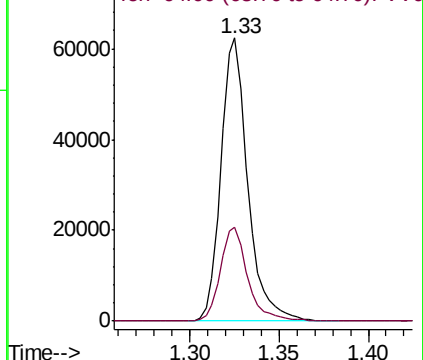
62 100

64 33.2 22.9 42.5



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.00 (63.70 to 64.70): VV0



#6

Bromomethane

Concen: 41.198 ug/L

RT: 1.52 min Scan# 133

Delta R.T. 0.00 min

Lab File: VV008946.D

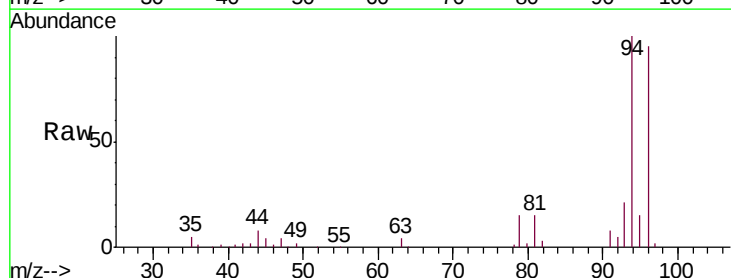
Acq: 14 Dec 2018 21:52

Tgt Ion: 94 Resp: 29399

Ion Ratio Lower Upper

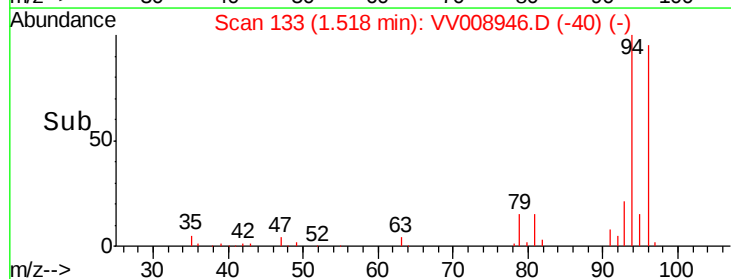
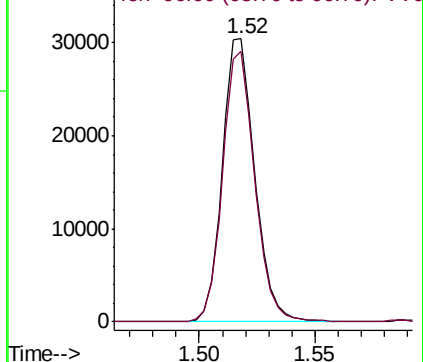
94 100

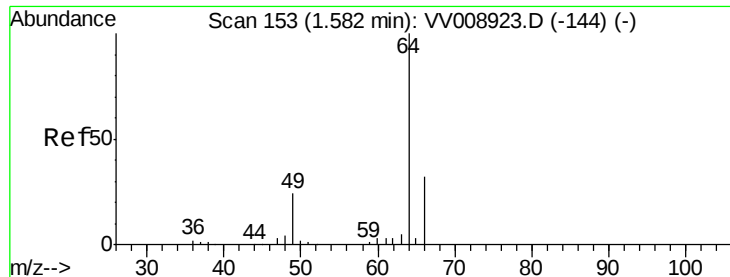
96 95.4 65.4 121.4



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0





#8

Chloroethane

Concen: 59.296 ug/L

RT: 1.58 min Scan# 153

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

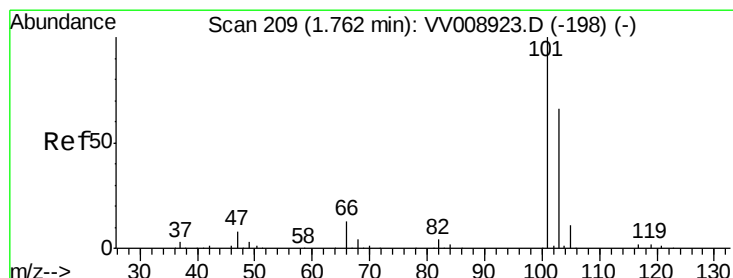
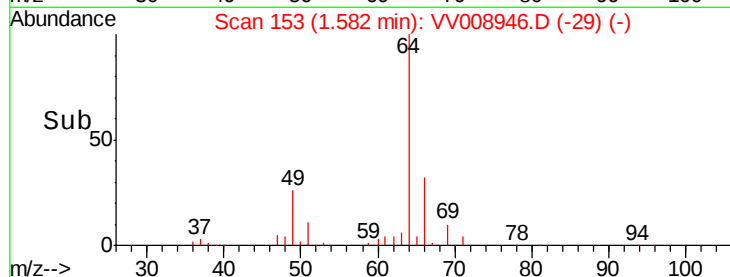
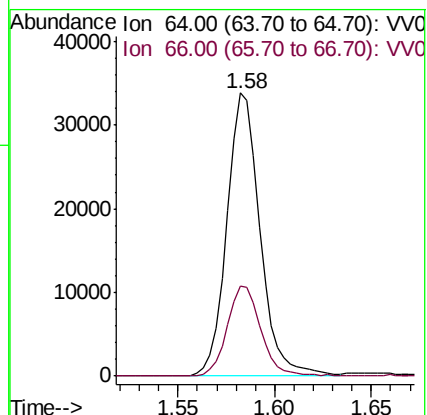
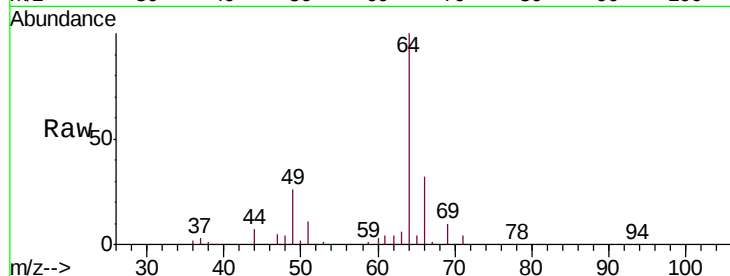
VSTD05079

Tgt Ion: 64 Resp: 40340

Ion Ratio Lower Upper

64 100

66 31.6 21.8 40.4



#9

Trichlorofluoromethane

Concen: 54.860 ug/L

RT: 1.76 min Scan# 209

Delta R.T. 0.00 min

Lab File: VV008946.D

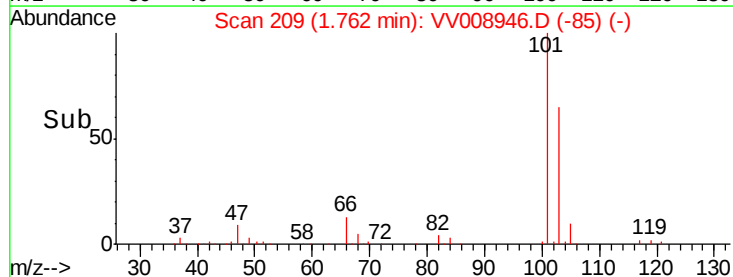
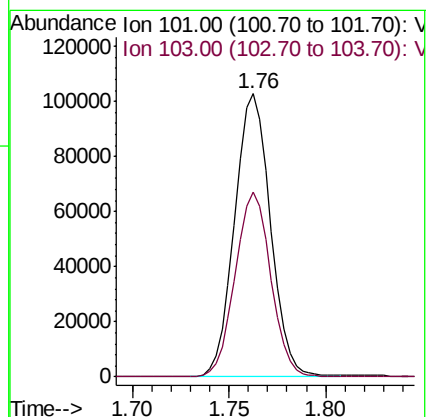
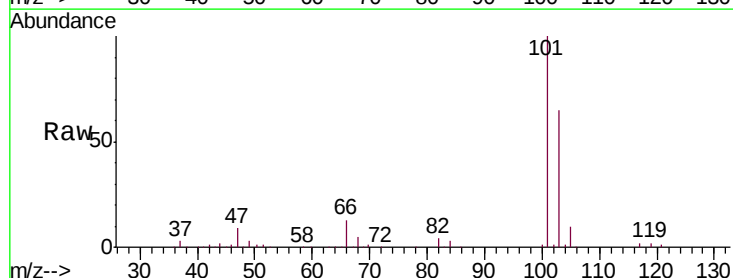
Acq: 14 Dec 2018 21:52

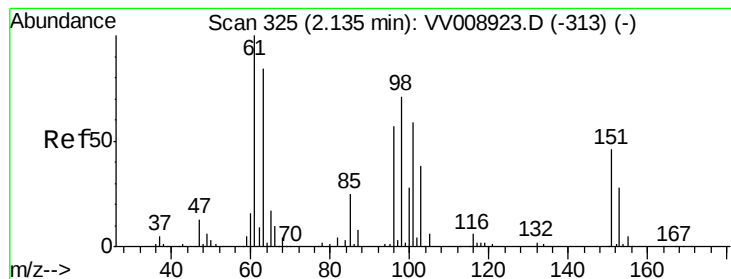
Tgt Ion: 101 Resp: 132573

Ion Ratio Lower Upper

101 100

103 65.0 51.5 77.3





#10

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

Concen: 50.443 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV008946.D

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Instrument :

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ClientSampleId :

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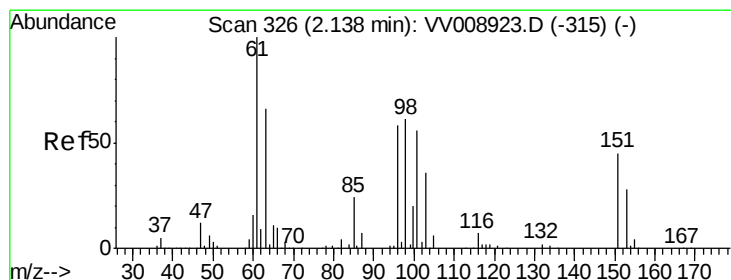
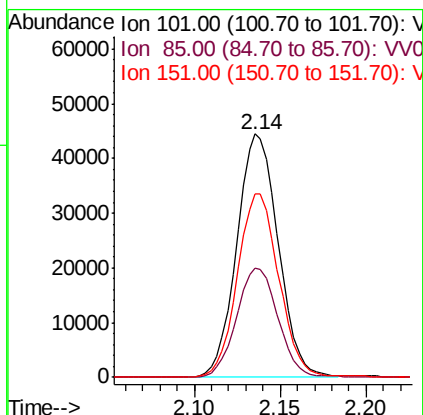
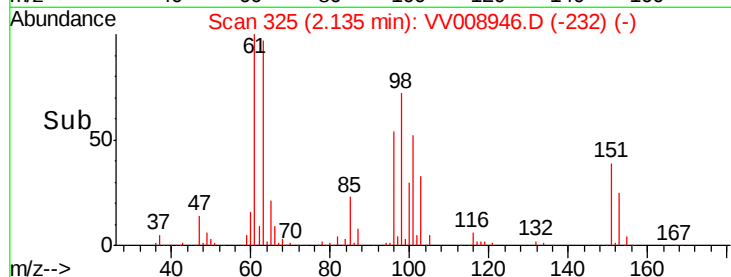
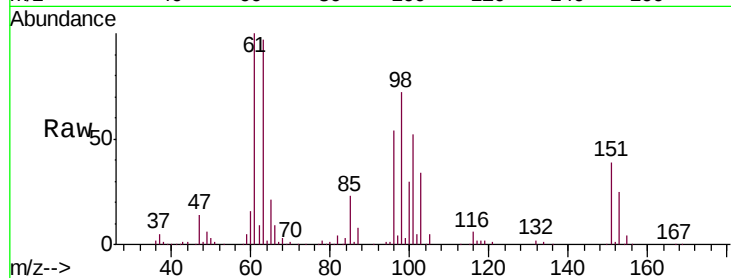
Tgt Ion:101 Resp: 74592

Ion Ratio Lower Upper

101 100

85 44.7 34.6 52.0

151 75.5 63.8 95.8



#12

1,1-Dichloroethene

Concen: 51.147 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

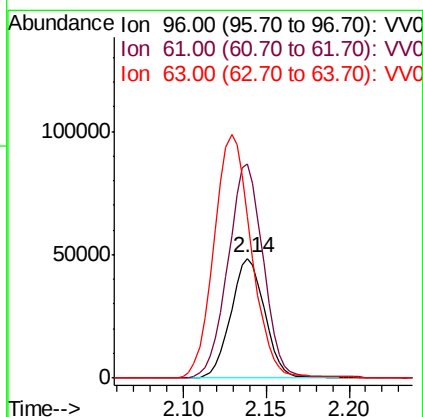
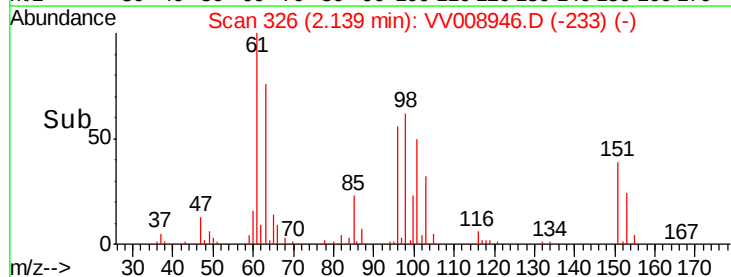
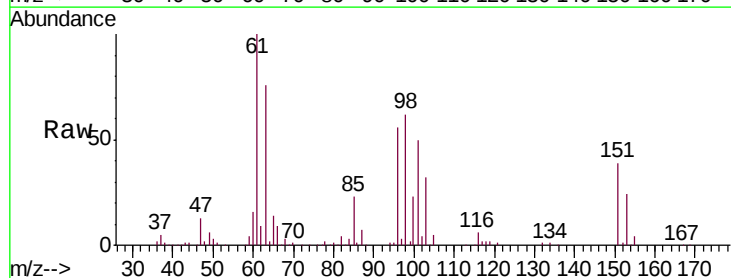
Tgt Ion: 96 Resp: 68809

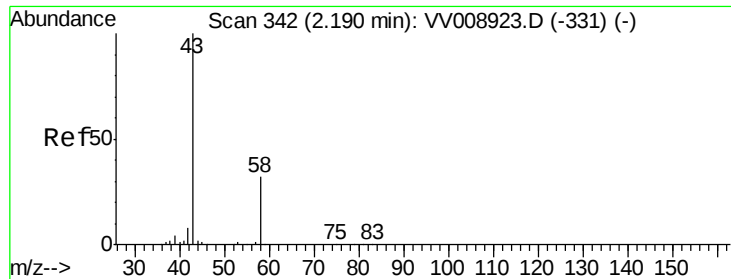
Ion Ratio Lower Upper

96 100

61 179.1 119.1 221.3

63 135.4 96.0 178.2





#13

Acetone

Concen: 72.266 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

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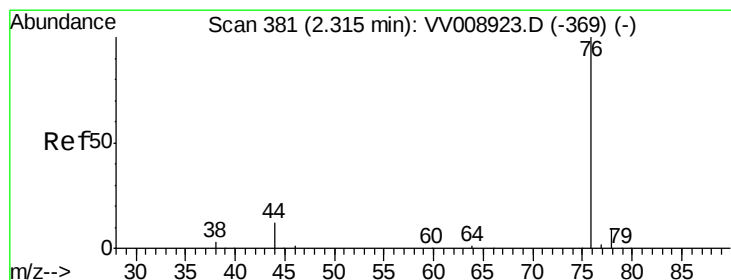
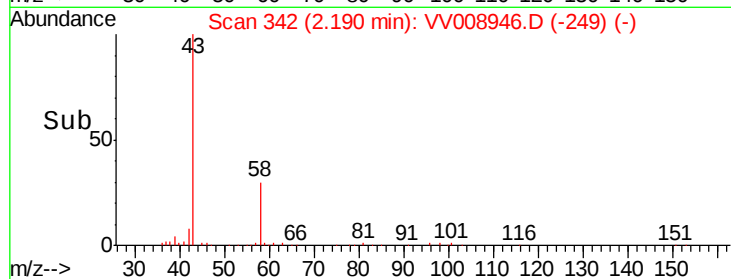
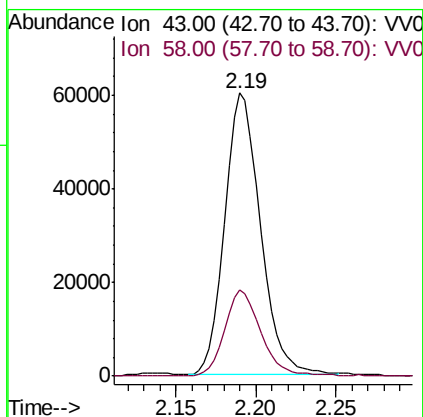
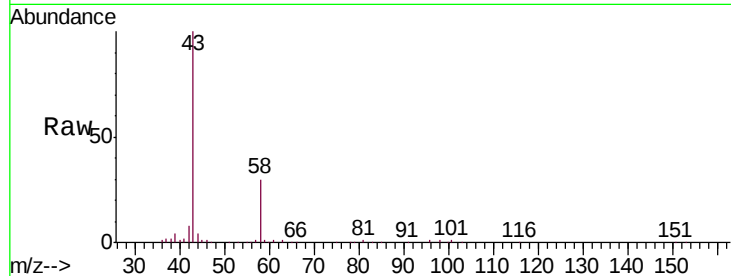
VSTD05079

Tgt Ion: 43 Resp: 91801

Ion Ratio Lower Upper

43 100

58 31.1 0.0 61.8



#14

Carbon disulfide

Concen: 47.173 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV008946.D

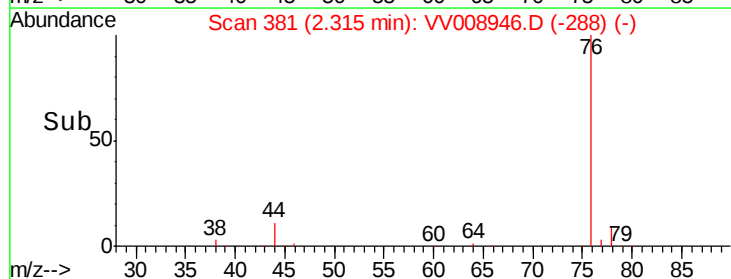
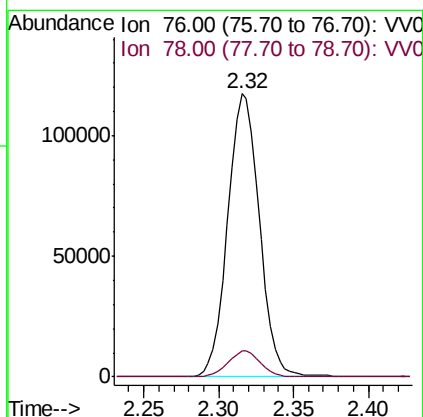
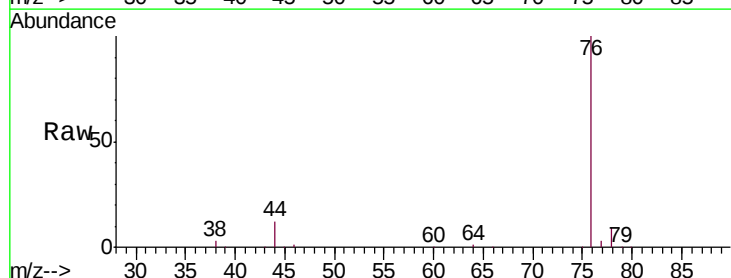
Acq: 14 Dec 2018 21:52

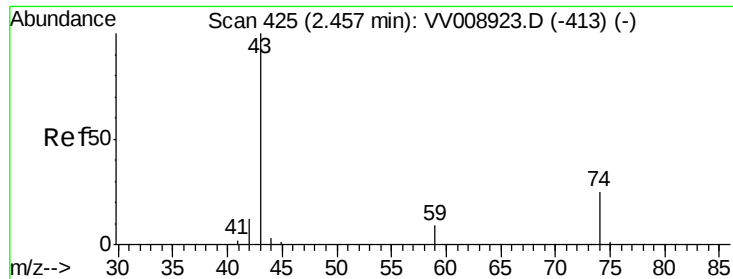
Tgt Ion: 76 Resp: 173293

Ion Ratio Lower Upper

76 100

78 9.2 7.3 10.9

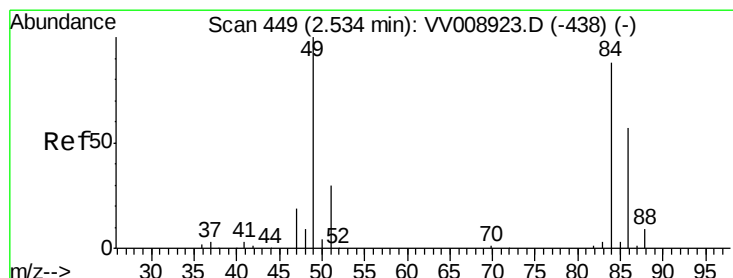
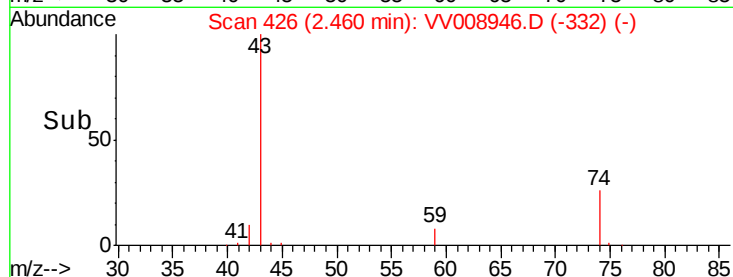
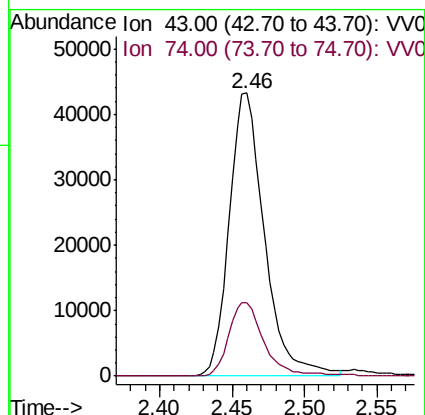
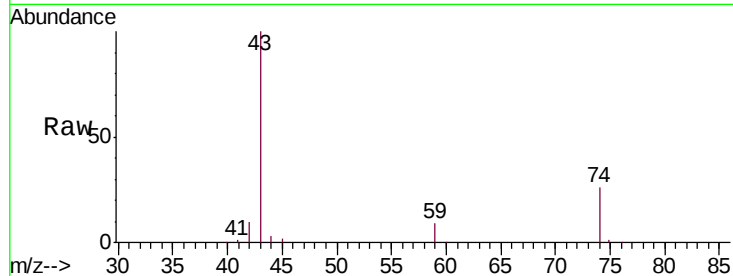




#15
Methyl Acetate
Concen: 53.062 ug/L
RT: 2.46 min Scan# 426
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

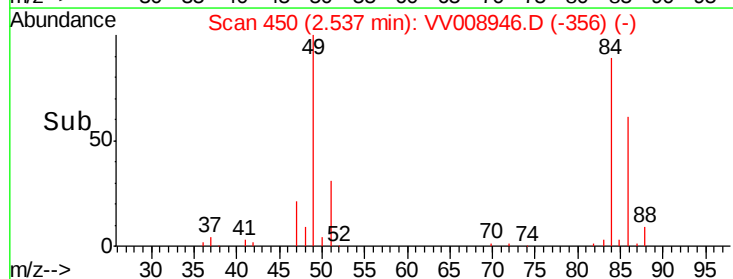
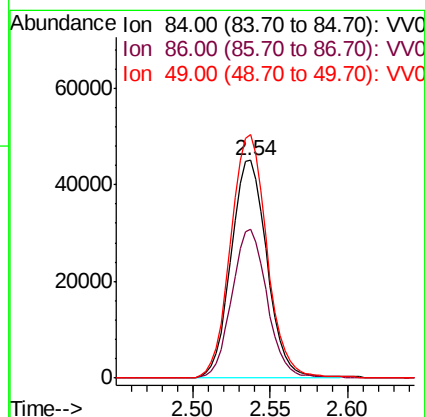
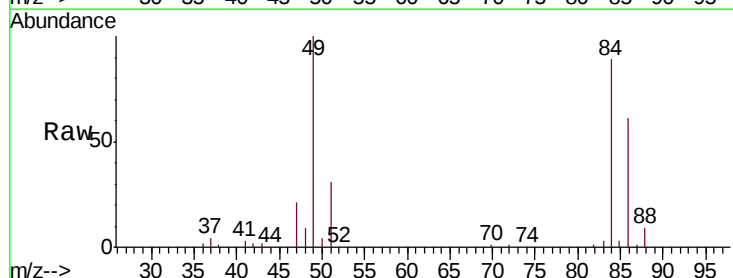
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

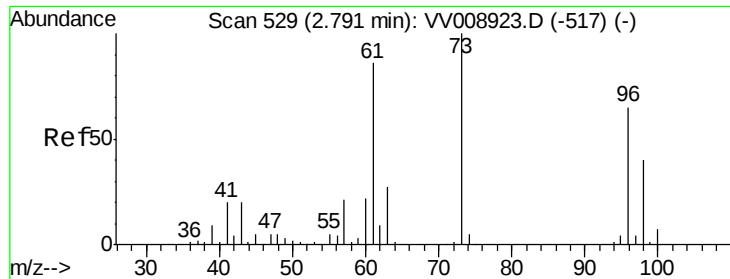
Tgt Ion: 43 Resp: 72953
Ion Ratio Lower Upper
43 100
74 25.8 21.0 31.6



#16
Methylene chloride
Concen: 48.532 ug/L
RT: 2.54 min Scan# 450
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion: 84 Resp: 72703
Ion Ratio Lower Upper
84 100
86 68.1 44.2 82.0
49 111.8 77.4 143.8





#17

trans-1,2-Dichloroethene

Concen: 50.462 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

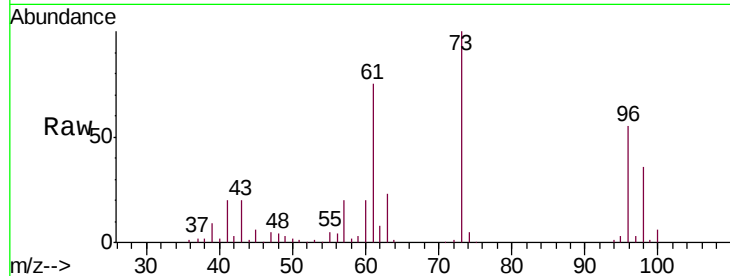
Tgt Ion: 96 Resp: 68701

Ion Ratio Lower Upper

96 100

61 135.1 90.8 168.6

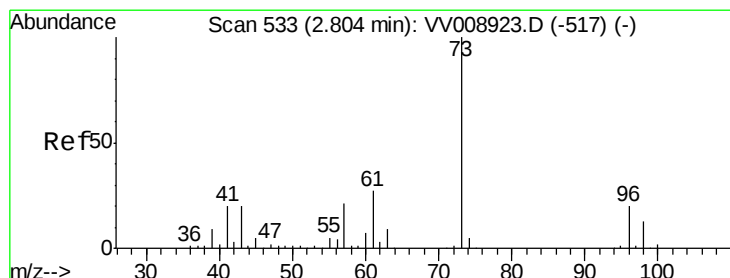
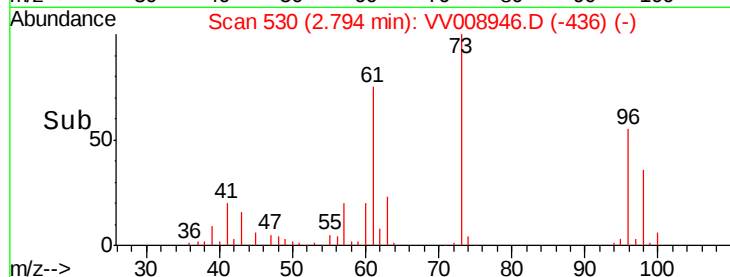
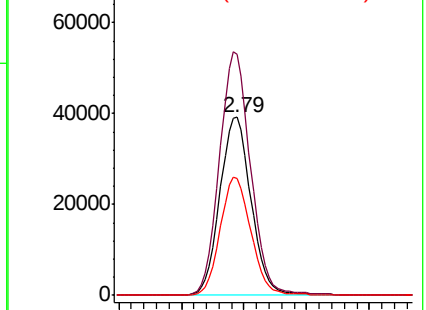
98 65.5 44.2 82.0



Abundance Ion 96.00 (95.70 to 96.70): VV008923.D (-517) (-)

Ion 61.00 (60.70 to 61.70): VV008923.D (-517) (-)

Ion 98.00 (97.70 to 98.70): VV008923.D (-517) (-)



#18

Methyl tert-butyl Ether

Concen: 52.046 ug/L

RT: 2.81 min Scan# 534

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

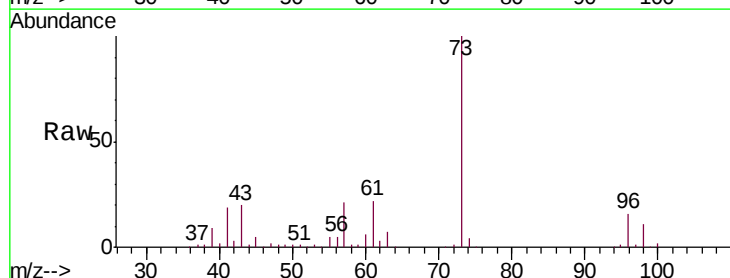
Tgt Ion: 73 Resp: 225560

Ion Ratio Lower Upper

73 100

43 19.8 15.4 23.2

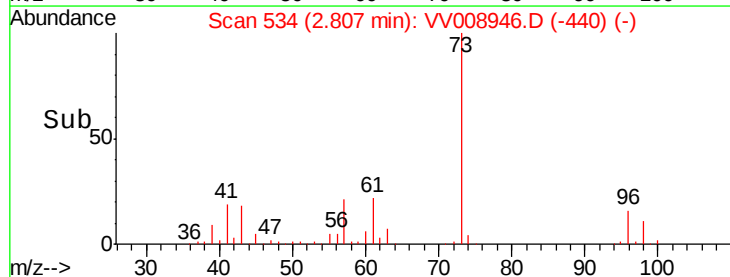
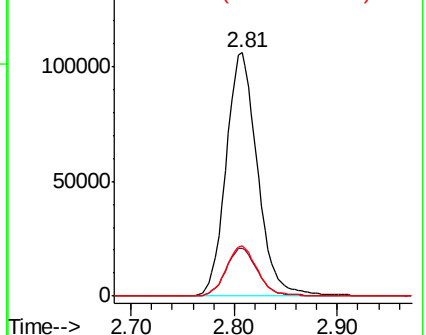
57 20.5 16.9 25.3

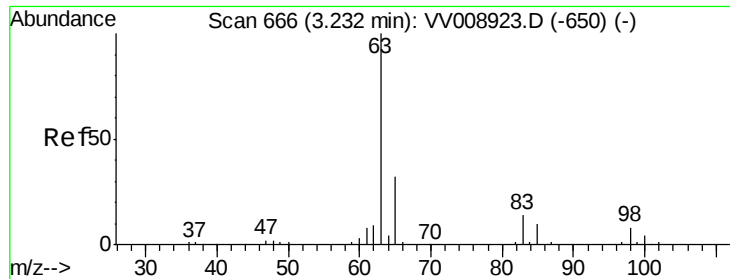


Abundance Ion 73.00 (72.70 to 73.70): VV008923.D (-517) (-)

Ion 43.00 (42.70 to 43.70): VV008923.D (-517) (-)

Ion 57.00 (56.70 to 57.70): VV008923.D (-517) (-)

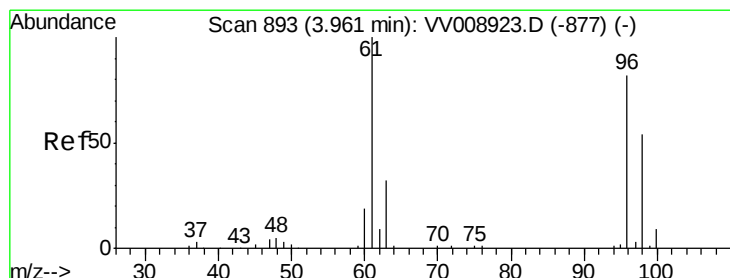
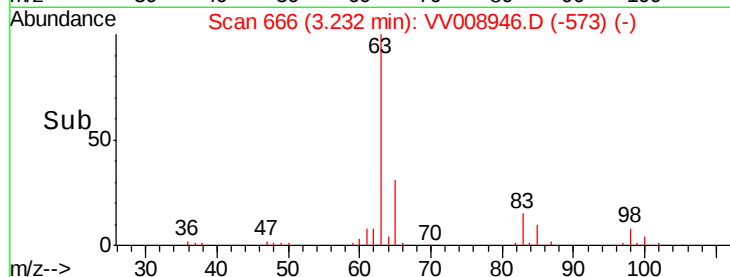
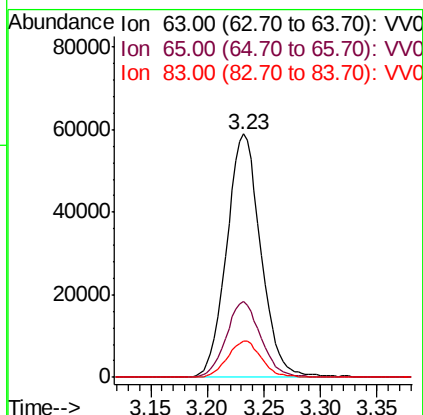
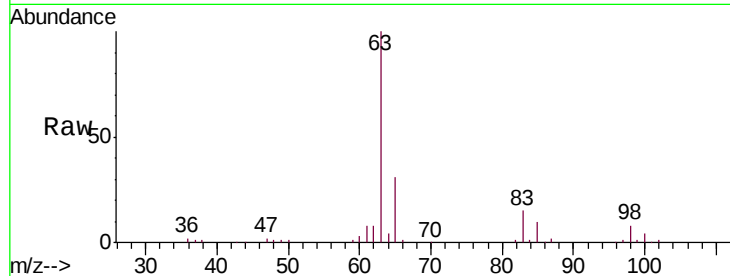




#19
 1,1-Dichloroethane
 Concen: 51.626 ug/L
 RT: 3.23 min Scan# 666
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

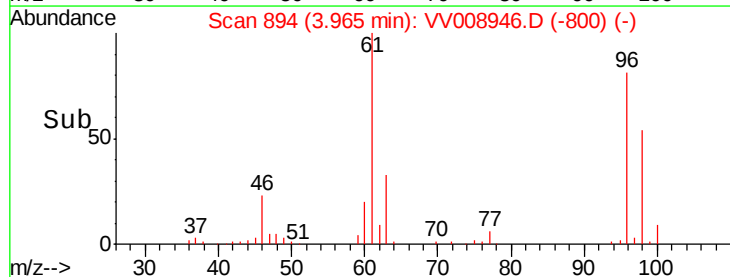
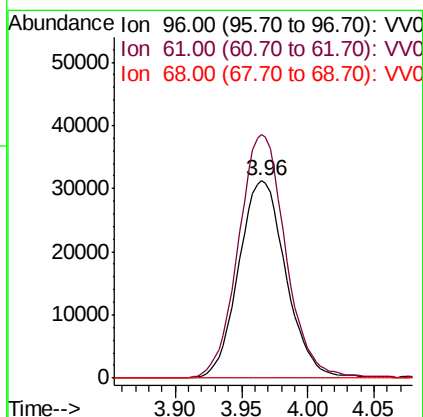
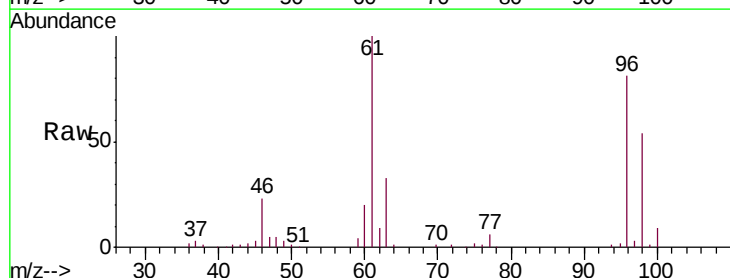
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

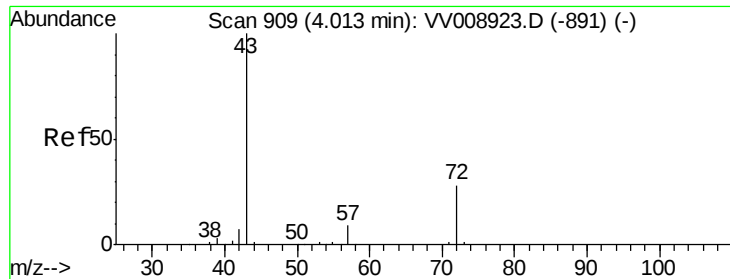
Tgt Ion: 63 Resp: 124077
 Ion Ratio Lower Upper
 63 100
 65 30.9 21.8 40.6
 83 14.8 9.7 18.1



#20
 cis-1,2-Dichloroethene
 Concen: 49.528 ug/L
 RT: 3.96 min Scan# 894
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

Tgt Ion: 96 Resp: 77356
 Ion Ratio Lower Upper
 96 100
 61 123.6 81.9 152.1
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 90.546 ug/L

RT: 4.02 min Scan# 910

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

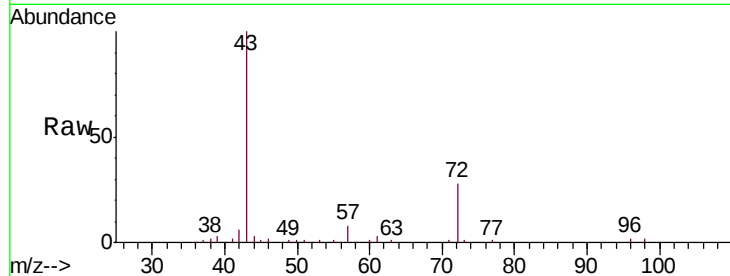
VSTD05079

Tgt Ion: 43 Resp: 96565

Ion Ratio Lower Upper

43 100

72 28.3 14.9 44.5



Abundance Ion 43.00 (42.70 to 43.70): VV008946.D (-910) (-)

Ion 72.00 (71.70 to 72.70): VV008946.D (-910) (-)

4.02

40000

30000

20000

10000

0

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

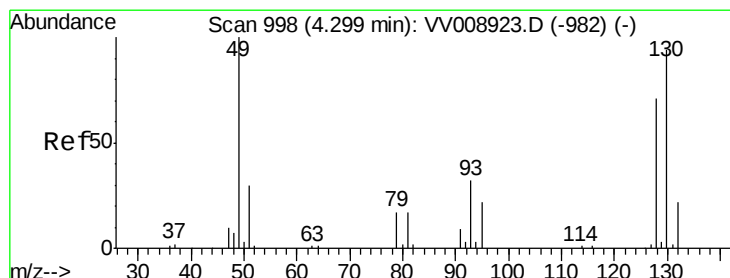
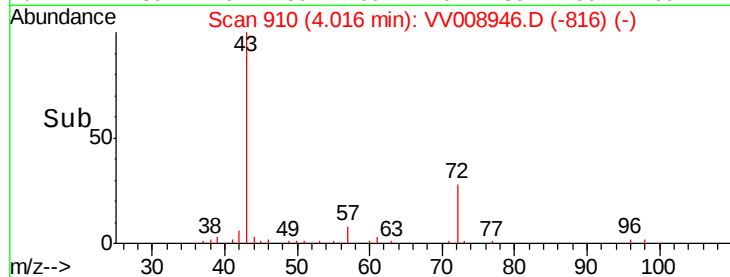
Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10

Time--> 3.90 3.95 4.00 4.05 4.10



#23

Bromochloromethane

Concen: 50.416 ug/L

RT: 4.30 min Scan# 999

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Tgt Ion: 128 Resp: 41211

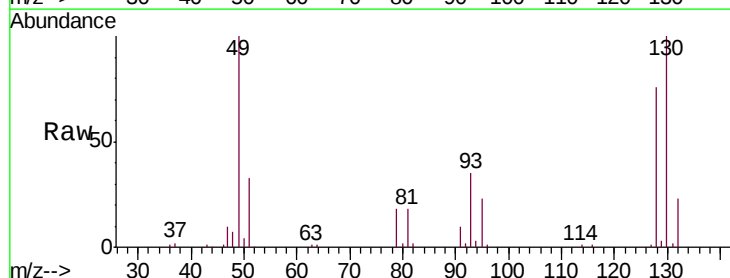
Ion Ratio Lower Upper

128 100

49 131.5 91.6 170.0

130 131.2 86.2 160.0

51 43.3 32.7 49.1



Abundance Ion 128.00 (127.70 to 128.70): VV008946.D (-999) (-)

Ion 49.00 (48.70 to 49.70): VV008946.D (-999) (-)

Ion 130.00 (129.70 to 130.70): VV008946.D (-999) (-)

Ion 51.00 (50.70 to 51.70): VV008946.D (-999) (-)

4.30

30000

20000

10000

0

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

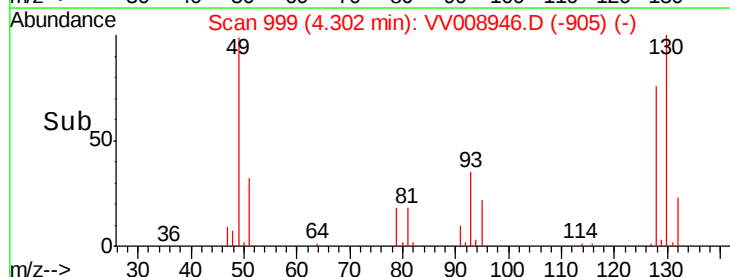
Time--> 4.20 4.25 4.30 4.35 4.40

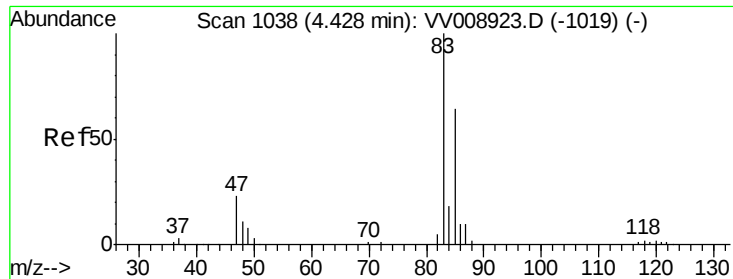
Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

Time--> 4.20 4.25 4.30 4.35 4.40

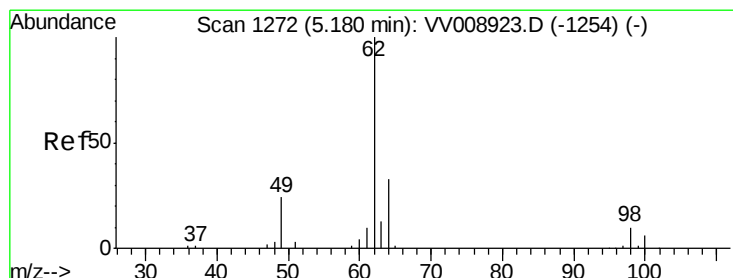
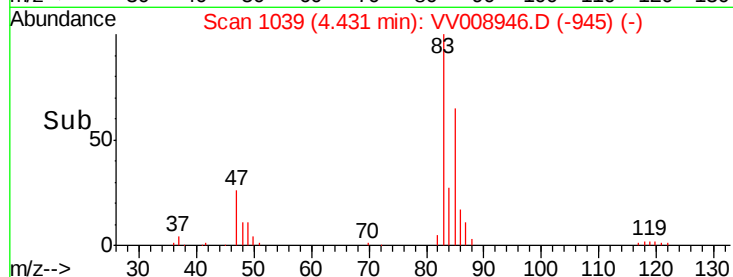
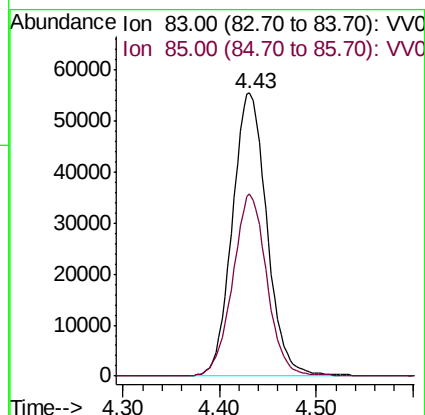
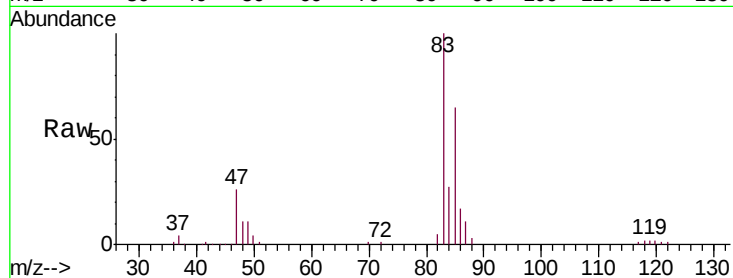




#25
Chloroform
Concen: 51.318 ug/L
RT: 4.43 min Scan# 1039
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

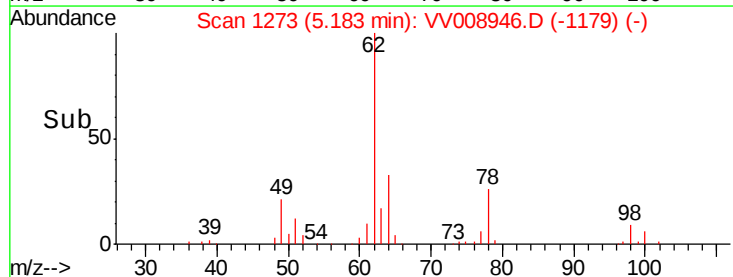
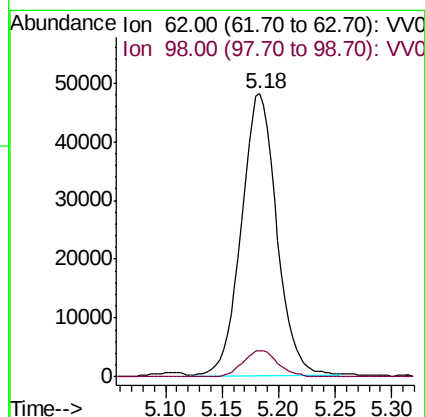
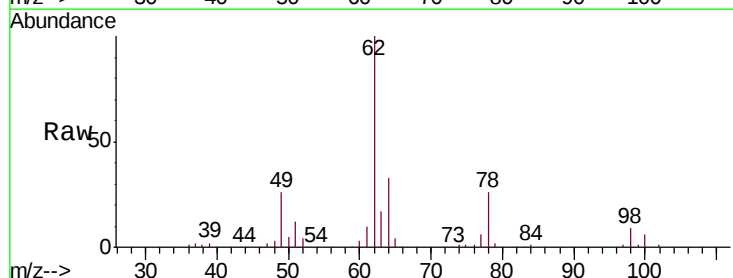
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

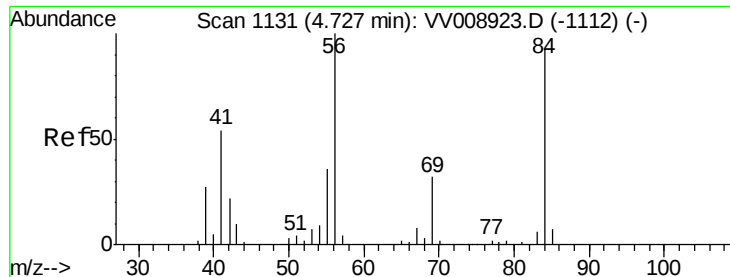
Tgt Ion: 83 Resp: 137497
Ion Ratio Lower Upper
83 100
85 64.6 44.3 82.3



#27
1,2-Dichloroethane
Concen: 50.099 ug/L
RT: 5.18 min Scan# 1273
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion: 62 Resp: 104293
Ion Ratio Lower Upper
62 100
98 9.2 7.5 11.3

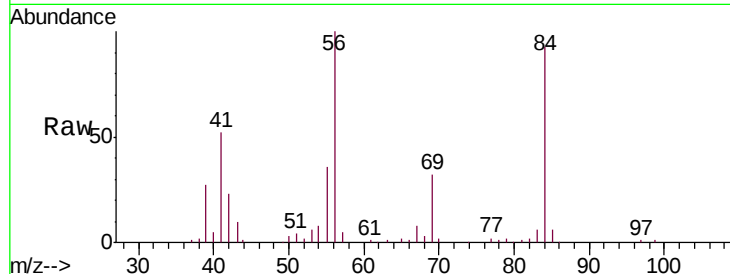




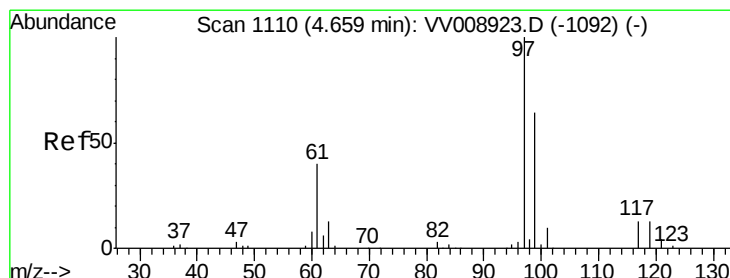
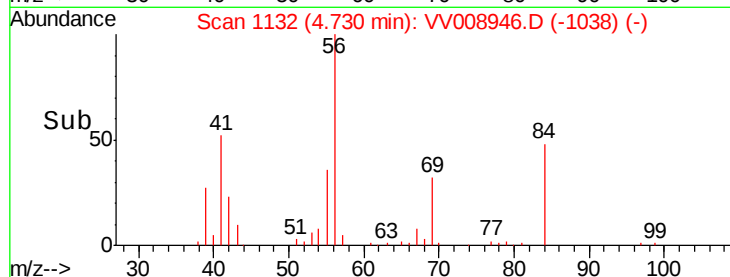
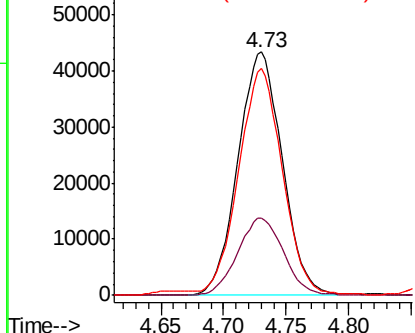
#29
Cyclohexane
Concen: 49.159 ug/L
RT: 4.73 min Scan# 1132
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion: 56 Resp: 106706
Ion Ratio Lower Upper
56 100
69 32.7 26.0 39.0
84 92.3 70.9 106.3

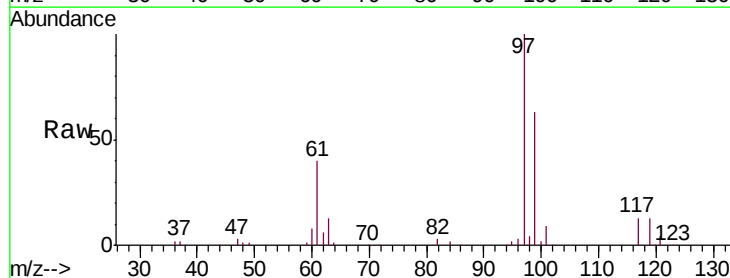


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

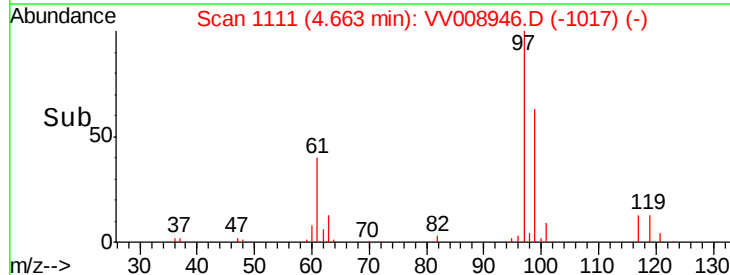
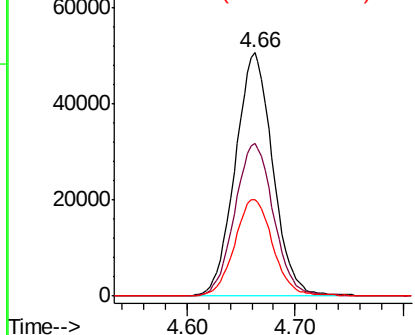


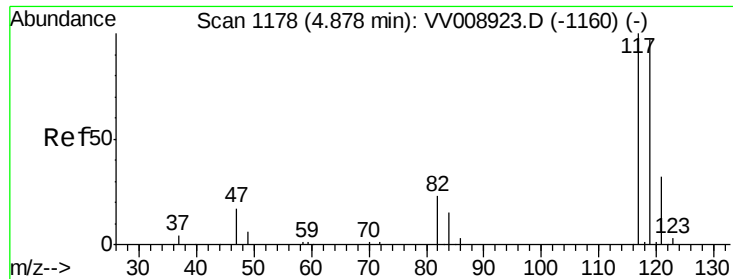
#30
1,1,1-Trichloroethane
Concen: 49.035 ug/L
RT: 4.66 min Scan# 1111
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion: 97 Resp: 122437
Ion Ratio Lower Upper
97 100
99 64.8 51.7 77.5
61 40.6 32.5 48.7



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

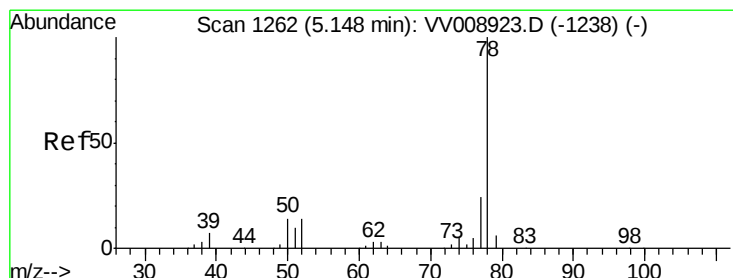
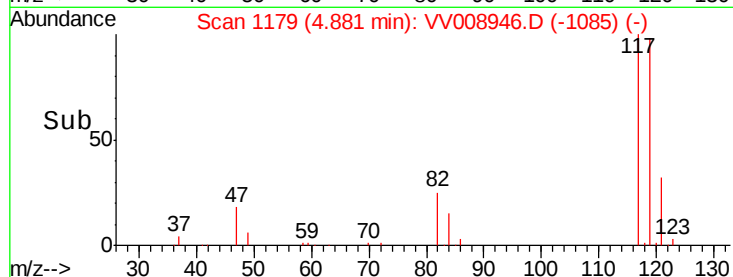
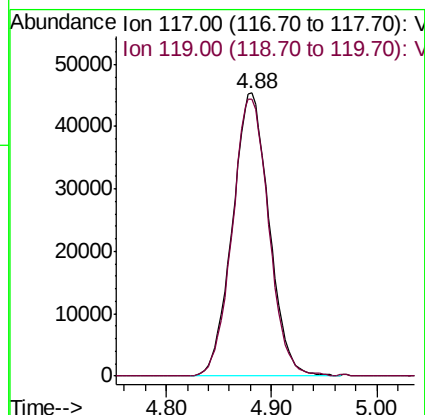
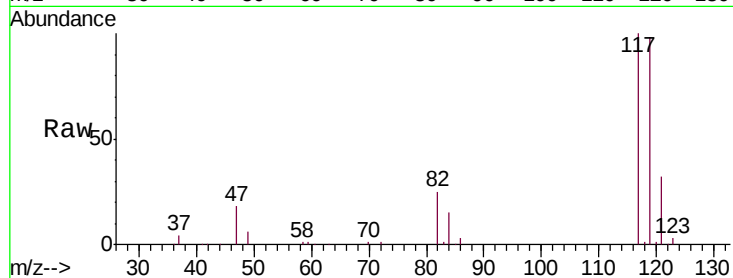




#31
Carbon tetrachloride
Concen: 48.557 ug/L
RT: 4.88 min Scan# 1179
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

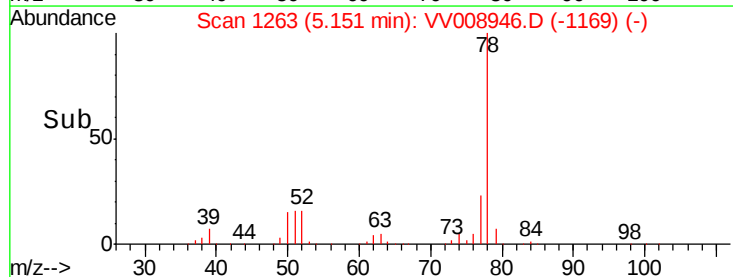
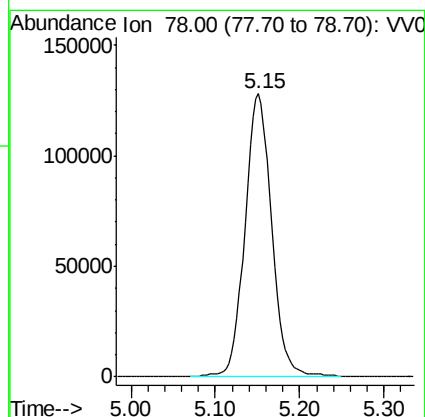
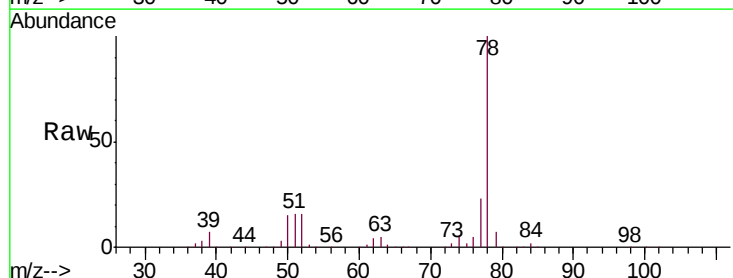
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

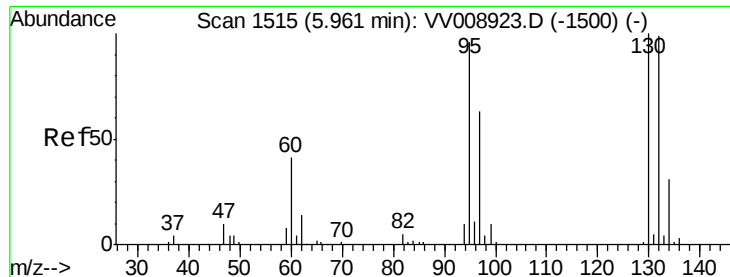
Tgt Ion:117 Resp: 109473
Ion Ratio Lower Upper
117 100
119 97.3 77.7 116.5



#33
Benzene
Concen: 50.296 ug/L
RT: 5.15 min Scan# 1263
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion: 78 Resp: 282519





#34

Trichloroethene

Concen: 50.597 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

Tgt Ion: 95 Resp: 82047

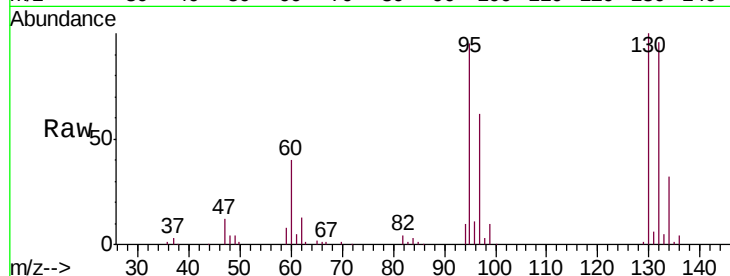
Ion Ratio Lower Upper

95 100

97 64.6 45.7 84.9

132 100.6 72.2 134.2

130 105.0 73.8 137.2

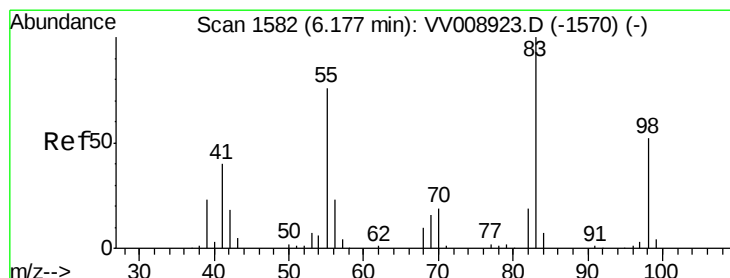
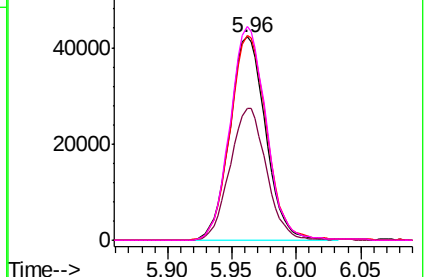
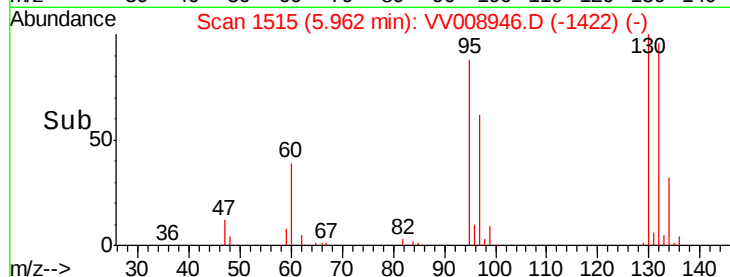


Abundance Ion 95.00 (94.70 to 95.70): VV0

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: 48.968 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

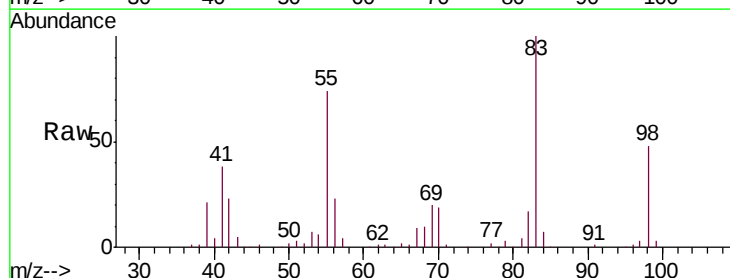
Tgt Ion: 83 Resp: 117755

Ion Ratio Lower Upper

83 100

55 74.6 57.8 86.8

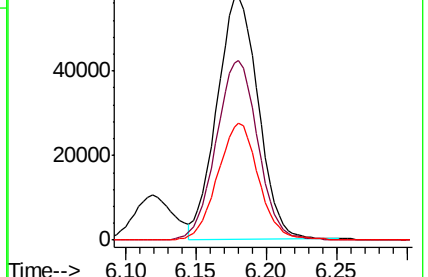
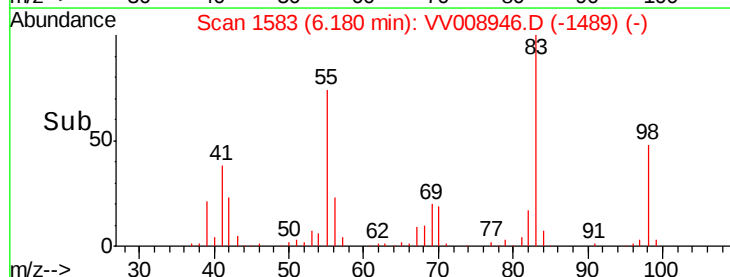
98 47.4 39.0 58.4

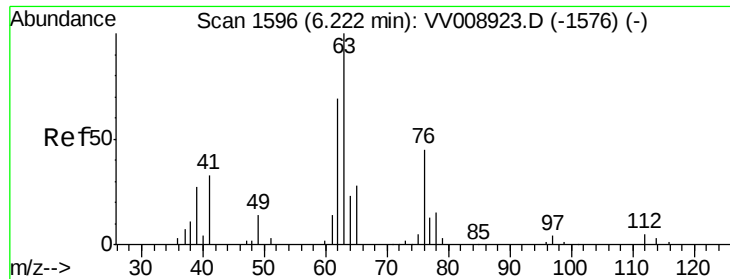


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 55.00 (54.70 to 55.70): VV0

Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 49.562 ug/L

RT: 6.23 min Scan# 1597

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

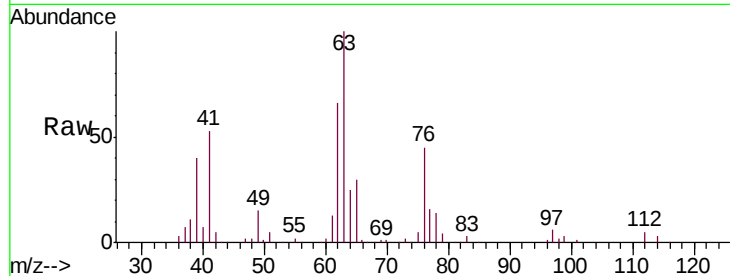
VSTD05079

Tgt Ion: 63 Resp: 71975

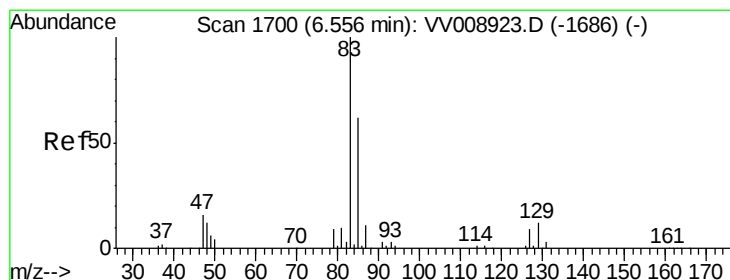
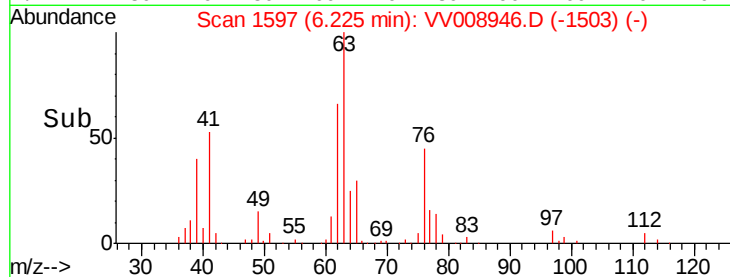
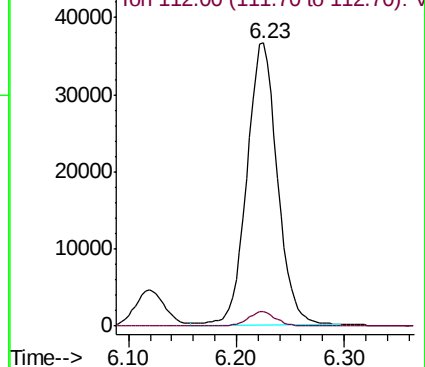
Ion Ratio Lower Upper

63 100

112 4.7 3.8 5.6



Abundance Ion 63.00 (62.70 to 63.70): VV008923.D (-1576) (-)



#38

Bromodichloromethane

Concen: 48.790 ug/L

RT: 6.56 min Scan# 1701

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

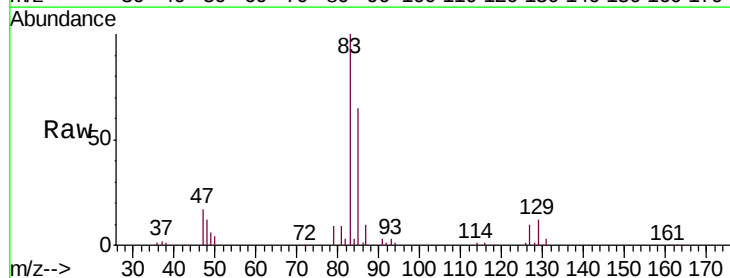
Tgt Ion: 83 Resp: 98056

Ion Ratio Lower Upper

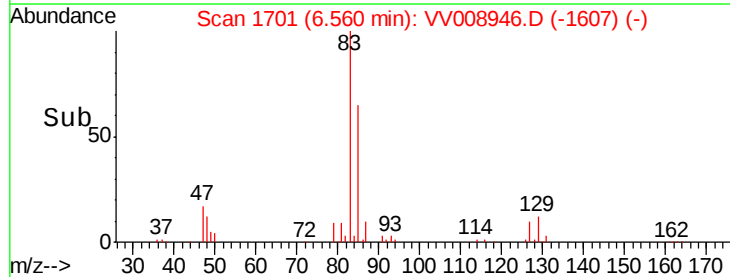
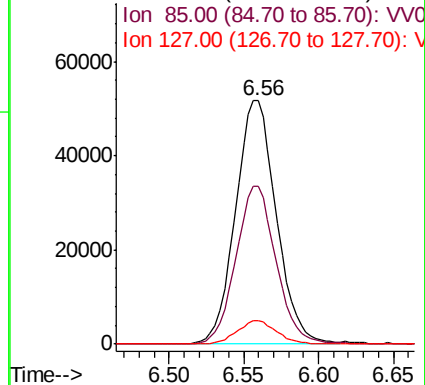
83 100

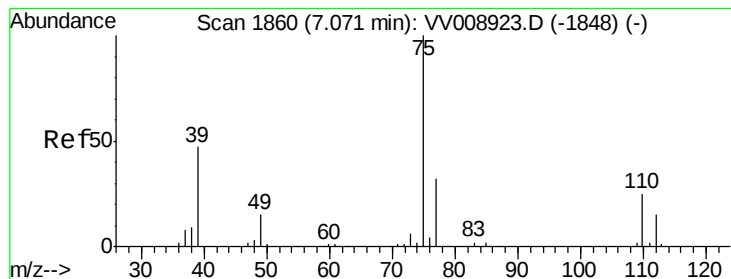
85 65.0 45.8 85.0

127 9.6 7.4 11.0



Abundance Ion 83.00 (82.70 to 83.70): VV008923.D (-1686) (-)



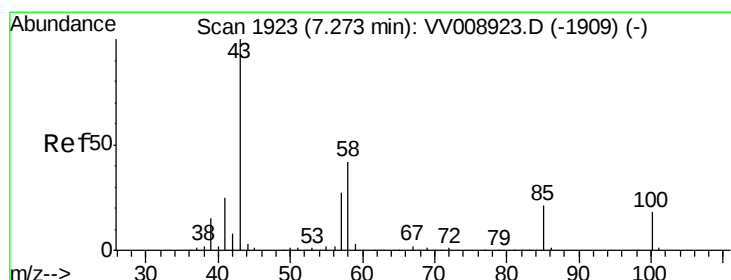
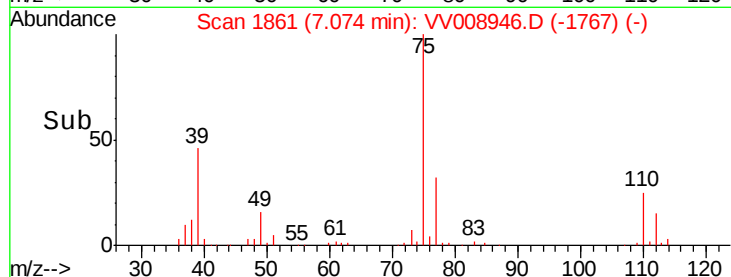
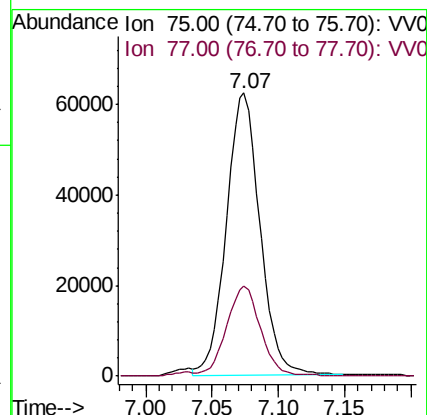
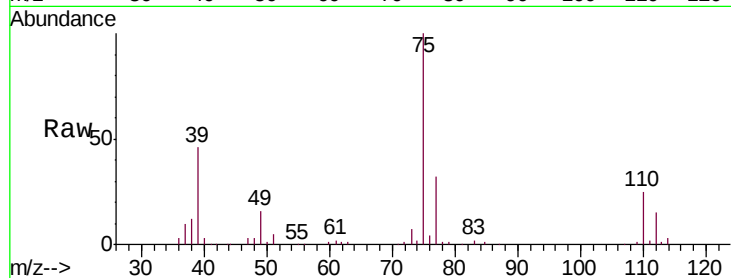


#39

cis-1,3-Dichloropropene
 Concen: 47.644 ug/L
 RT: 7.07 min Scan# 1861
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

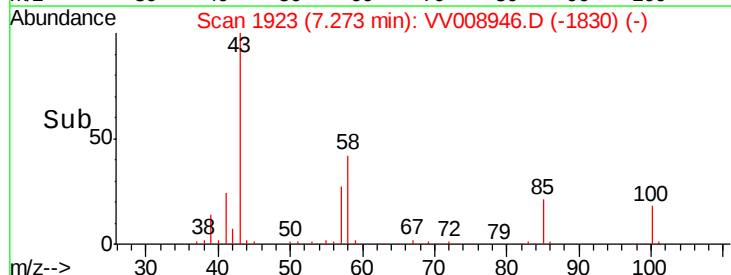
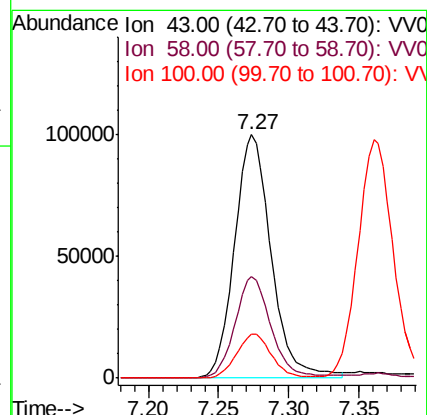
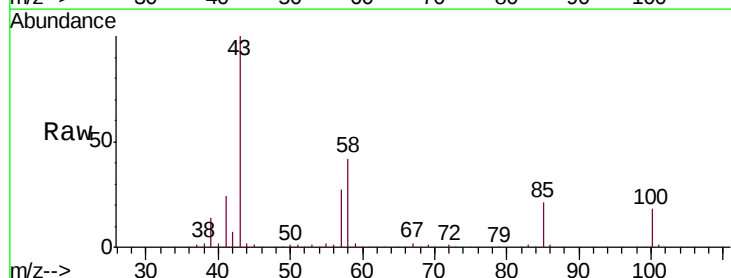
Tgt Ion: 75 Resp: 110341
 Ion Ratio Lower Upper
 75 100
 77 31.8 21.8 40.4

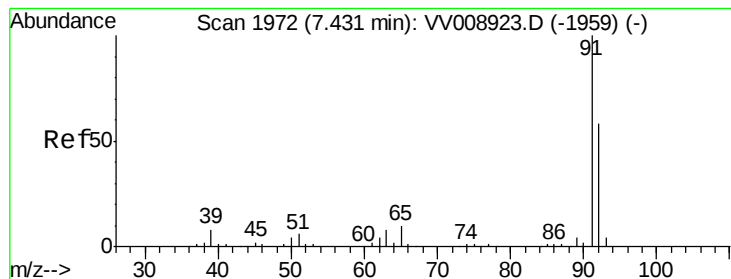


#40

4-Methyl-2-pentanone
 Concen: 108.841 ug/L
 RT: 7.27 min Scan# 1923
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

Tgt Ion: 43 Resp: 182610
 Ion Ratio Lower Upper
 43 100
 58 40.8 33.4 50.0
 100 17.5 13.9 20.9





#42

Toluene

Concen: 50.554 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

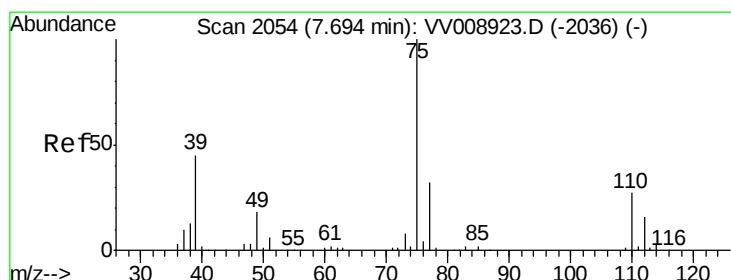
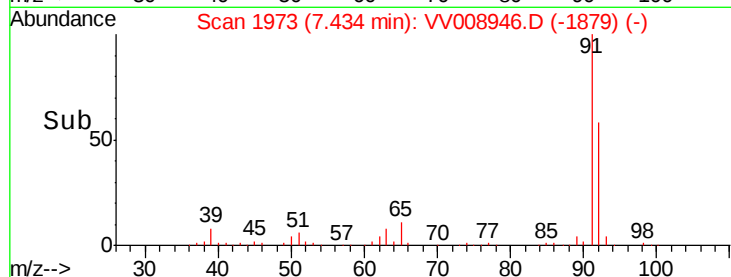
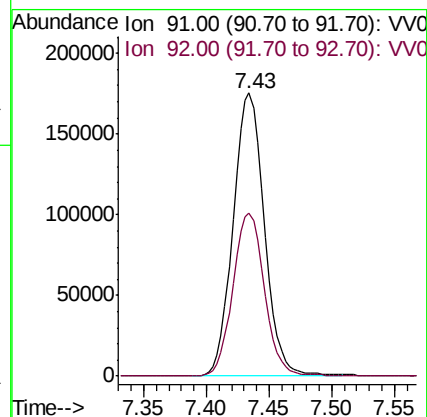
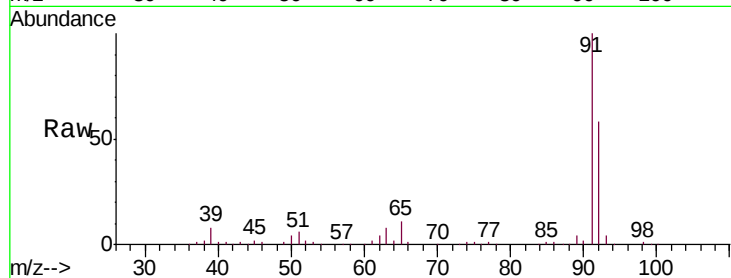
VSTD05079

Tgt Ion: 91 Resp: 303397

Ion Ratio Lower Upper

91 100

92 57.8 40.7 75.5



#44

trans-1,3-Dichloropropene

Concen: 49.539 ug/L

RT: 7.69 min Scan# 2054

Delta R.T. 0.00 min

Lab File: VV008946.D

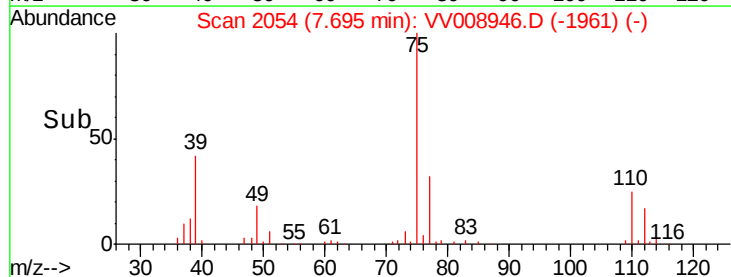
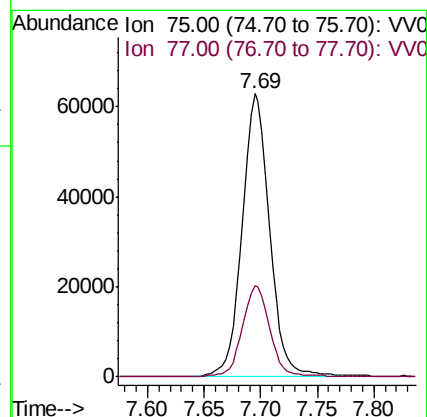
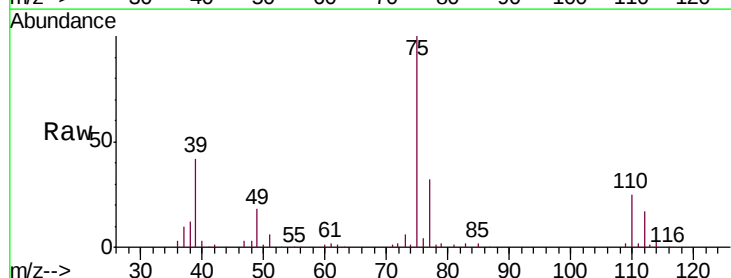
Acq: 14 Dec 2018 21:52

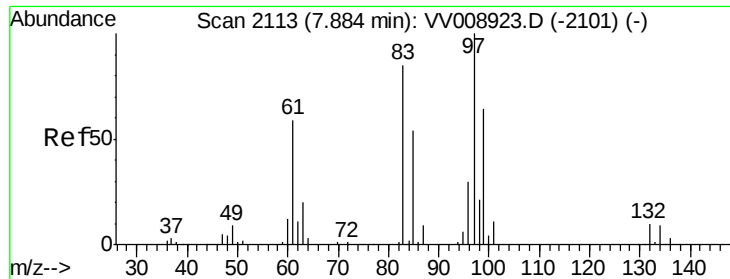
Tgt Ion: 75 Resp: 106943

Ion Ratio Lower Upper

75 100

77 32.2 21.6 40.2

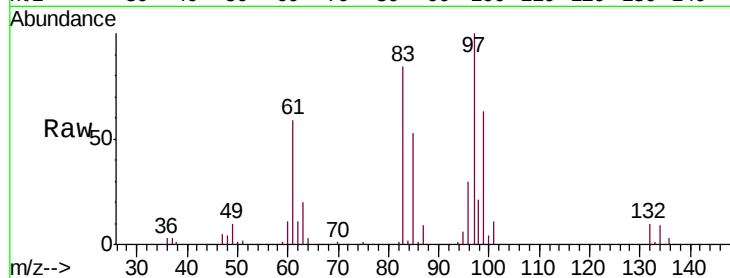




#45
 1,1,2-Trichloroethane
 Concen: 50.340 ug/L
 RT: 7.88 min Scan# 2113
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

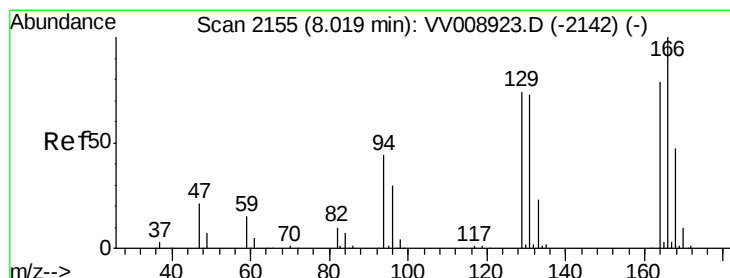
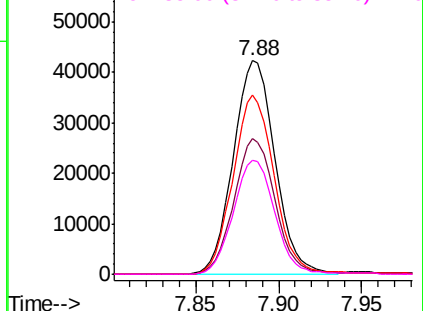
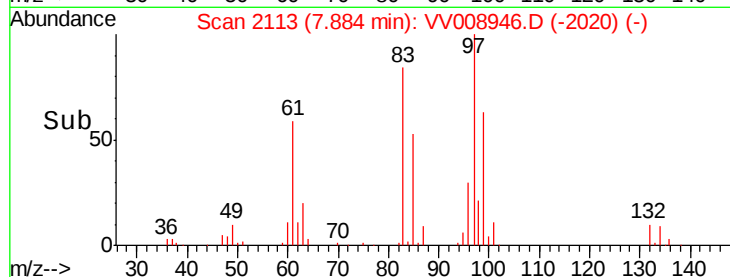
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion:	97	Resp:	74027
Ion	Ratio	Lower	Upper
97	100		
99	63.4	43.8	81.3
83	83.8	58.8	109.2
85	53.5	38.8	72.0



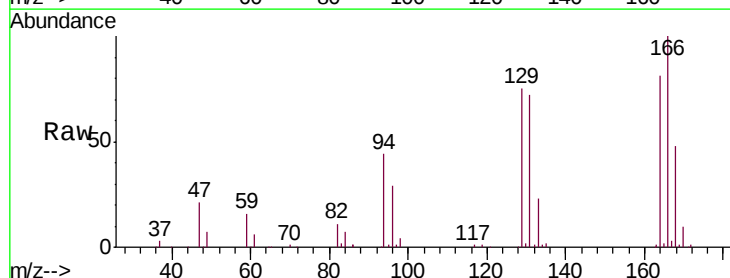
Abundance

Ion 97.00 (96.70 to 97.70): VV008946.D (-2020) (-)



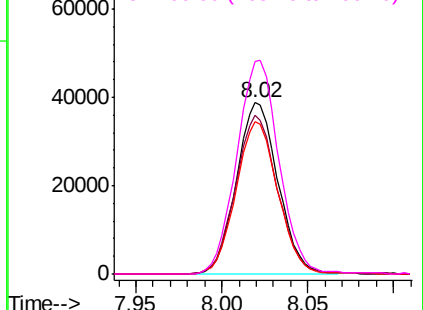
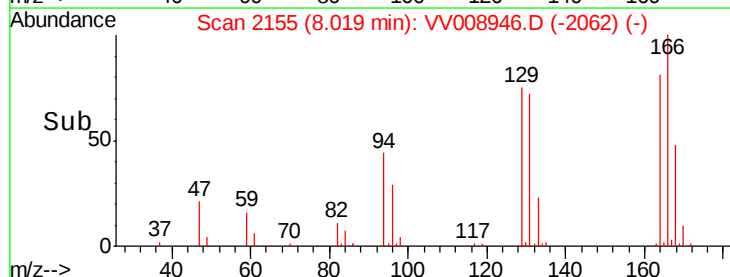
#46
 Tetrachloroethene
 Concen: 50.264 ug/L
 RT: 8.02 min Scan# 2155
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

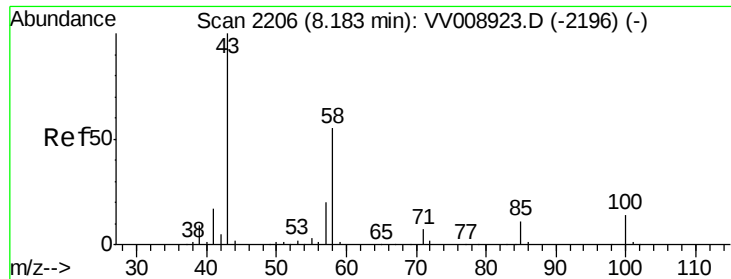
Tgt Ion:	164	Resp:	64904
Ion	Ratio	Lower	Upper
164	100		
129	92.3	69.2	128.4
131	89.2	67.8	125.8
166	123.8	90.3	167.7



Abundance

Ion 164.00 (163.70 to 164.70): VV008946.D (-2062) (-)

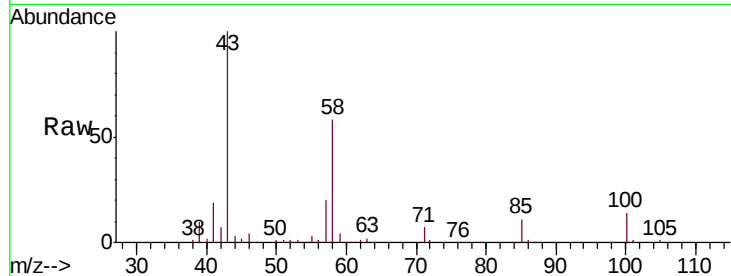




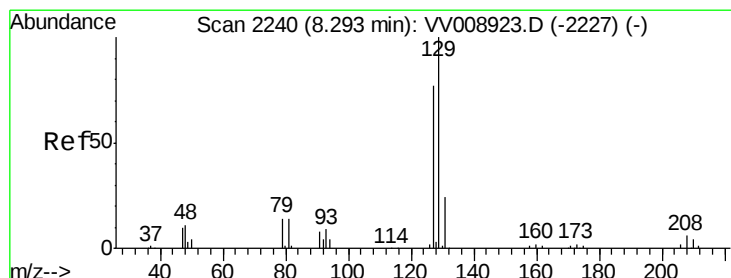
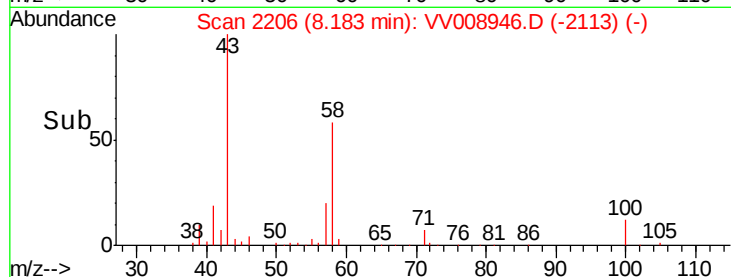
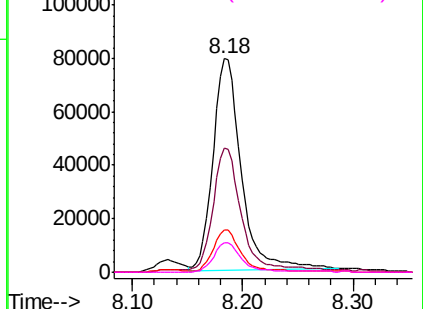
#48
2-Hexanone
Concen: 100.956 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

Tgt Ion: 43 Resp: 141060
Ion Ratio Lower Upper
43 100
58 55.3 42.7 64.1
57 18.1 15.7 23.5
100 13.8 11.3 16.9

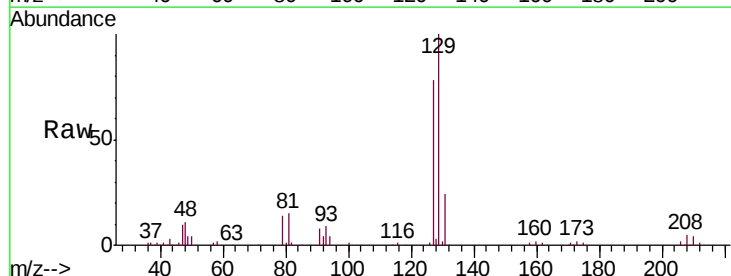


Abundance Ion 43.00 (42.70 to 43.70): VV0
Ion 58.00 (57.70 to 58.70): VV0
Ion 57.00 (56.70 to 57.70): VV0
Ion 100.00 (99.70 to 100.70): VV0

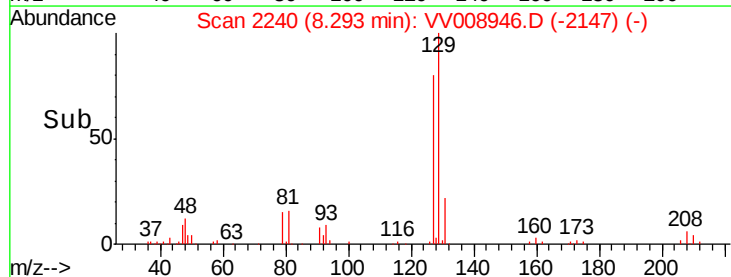
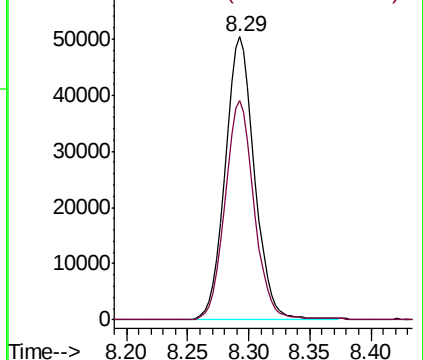


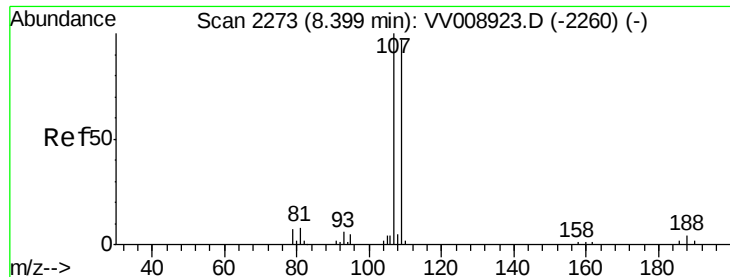
#49
Dibromochloromethane
Concen: 49.691 ug/L
RT: 8.29 min Scan# 2240
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion: 129 Resp: 84921
Ion Ratio Lower Upper
129 100
127 77.5 54.5 101.3



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

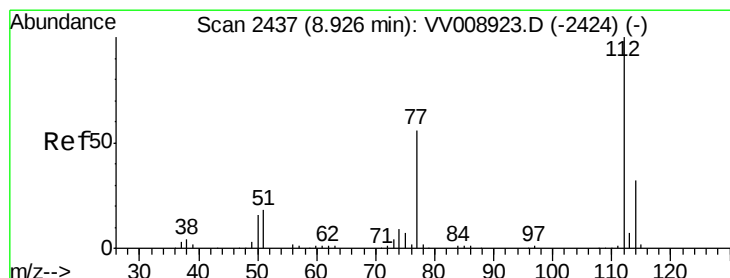
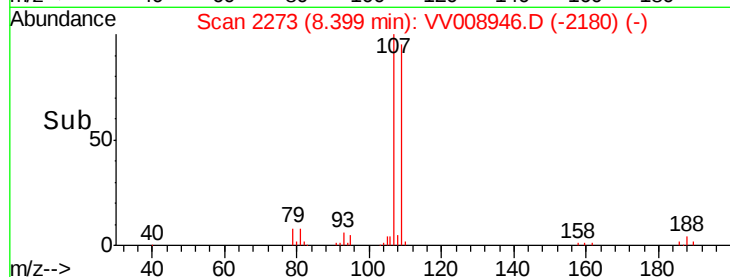
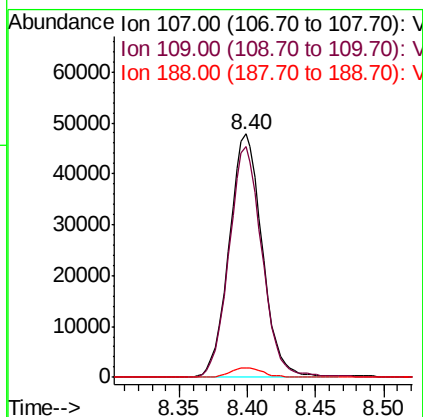
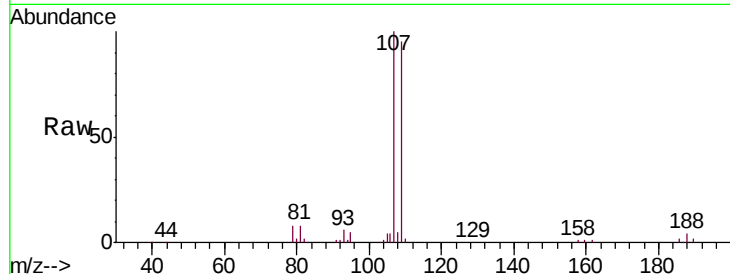




#50
1,2-Dibromoethane
Concen: 51.312 ug/L
RT: 8.40 min Scan# 2273
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

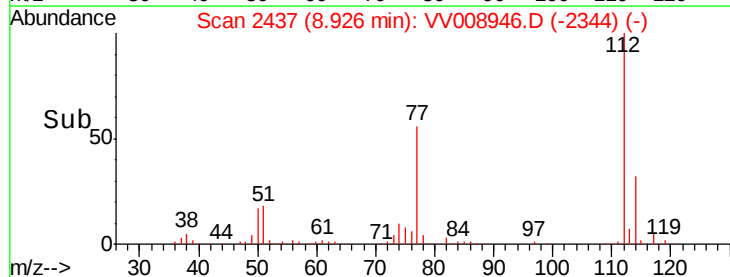
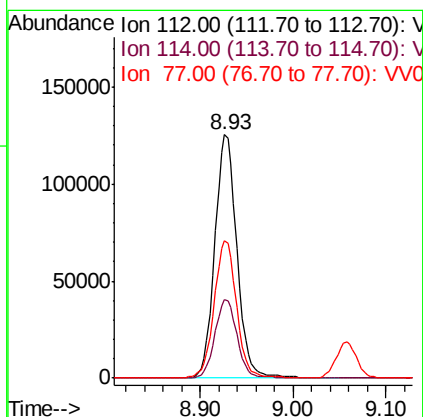
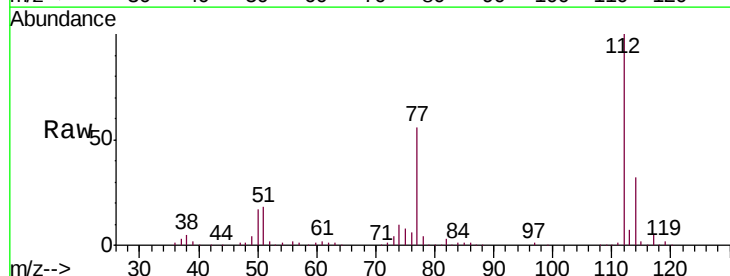
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

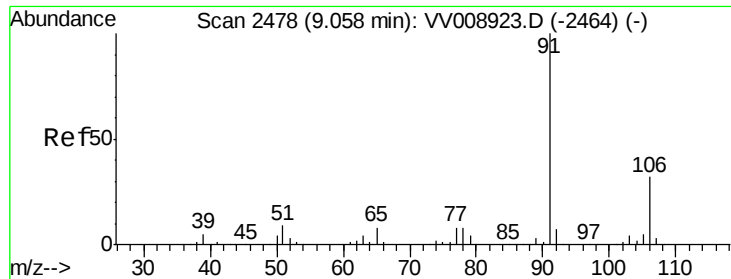
Tgt Ion:107 Resp: 80653
Ion Ratio Lower Upper
107 100
109 94.6 66.1 122.7
188 4.1 2.8 4.2



#51
Chlorobenzene
Concen: 50.652 ug/L
RT: 8.93 min Scan# 2437
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion:112 Resp: 207714
Ion Ratio Lower Upper
112 100
114 32.0 22.3 41.5
77 56.3 45.2 67.8





#52

Ethylbenzene

Concen: 51.154 ug/L

RT: 9.06 min Scan# 2478

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

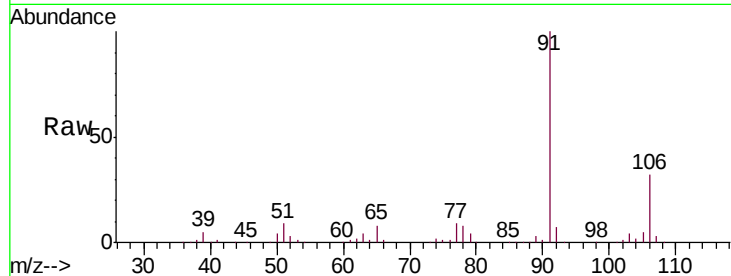
VSTD05079

Tgt Ion: 91 Resp: 338785

Ion Ratio Lower Upper

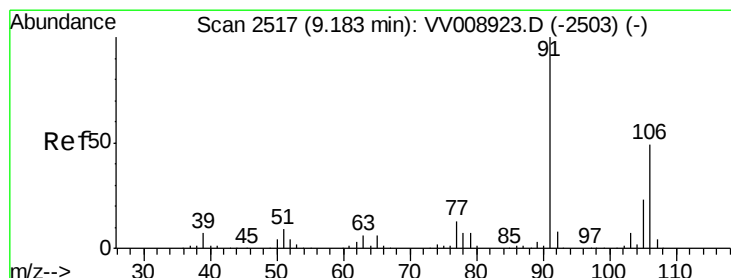
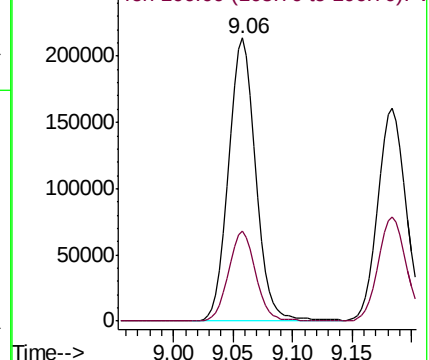
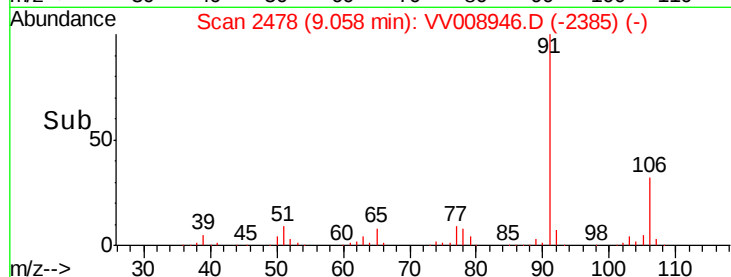
91 100

106 31.6 22.0 40.8



Abundance Ion 91.00 (90.70 to 91.70): VV008946.D (-2385) (-)

Ion 106.00 (105.70 to 106.70): VV008946.D (-2385) (-)



#53

m,p-Xylene

Concen: 51.744 ug/L

RT: 9.18 min Scan# 2517

Delta R.T. 0.00 min

Lab File: VV008946.D

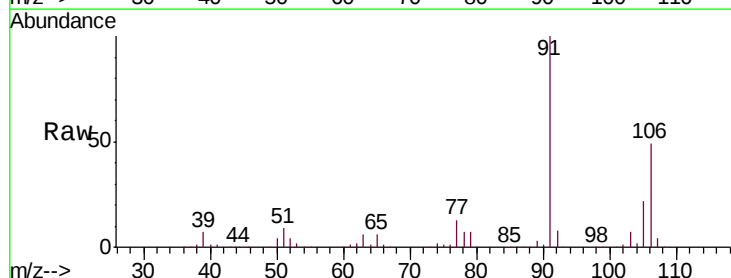
Acq: 14 Dec 2018 21:52

Tgt Ion: 106 Resp: 130681

Ion Ratio Lower Upper

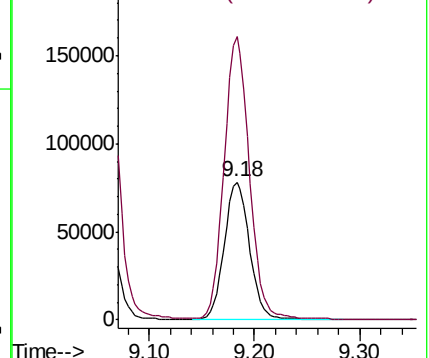
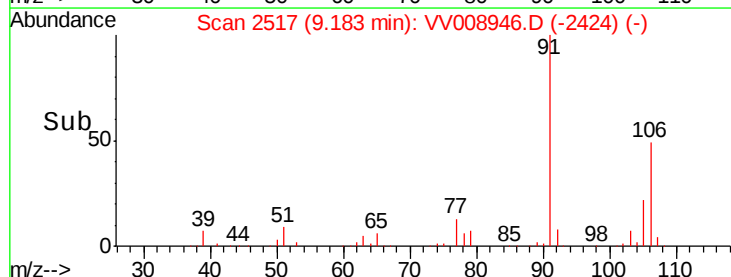
106 100

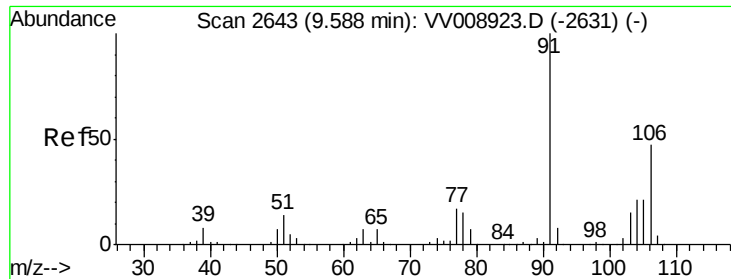
91 205.4 142.9 265.3



Abundance Ion 106.00 (105.70 to 106.70): VV008946.D (-2424) (-)

Ion 91.00 (90.70 to 91.70): VV008946.D (-2424) (-)

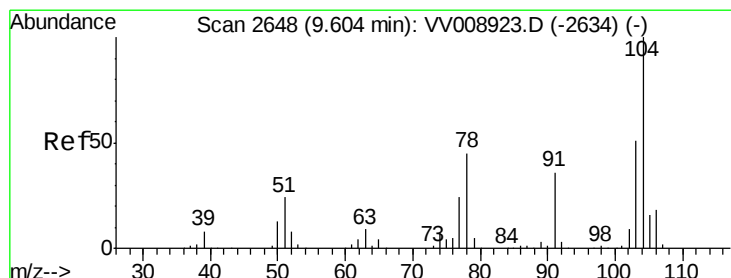
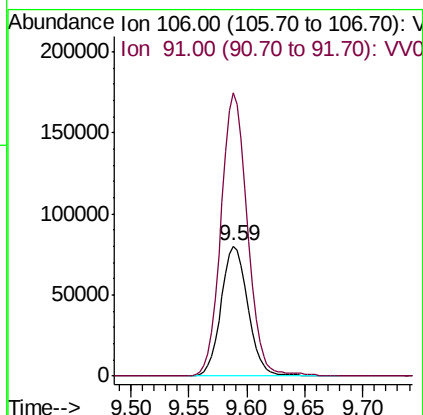
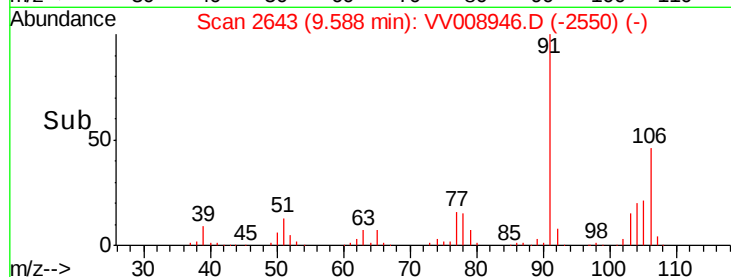
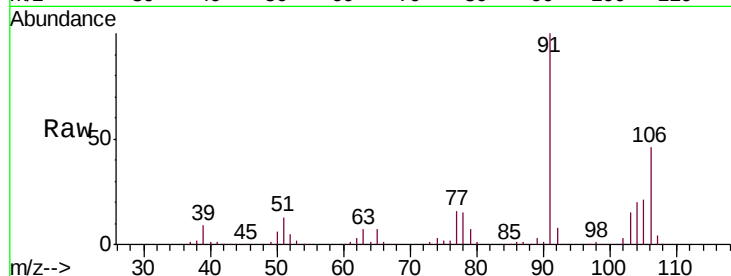




#54
o-xylene
Concen: 51.594 ug/L
RT: 9.59 min Scan# 2643
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

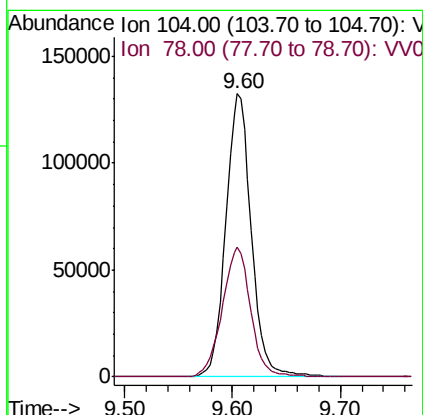
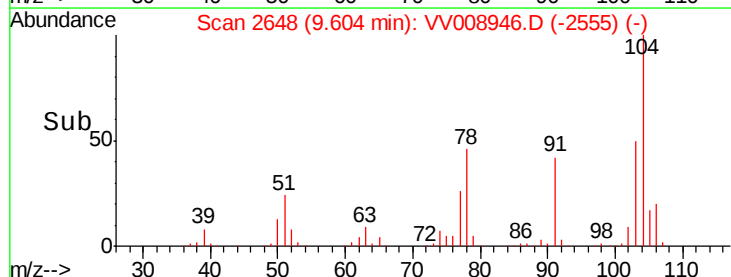
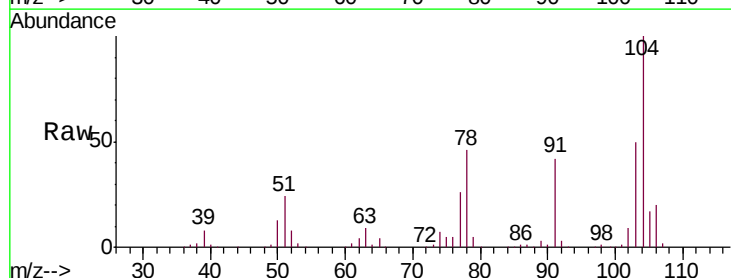
Instrument :
MSVOA_V
ClientSampleId :
VSTD05079

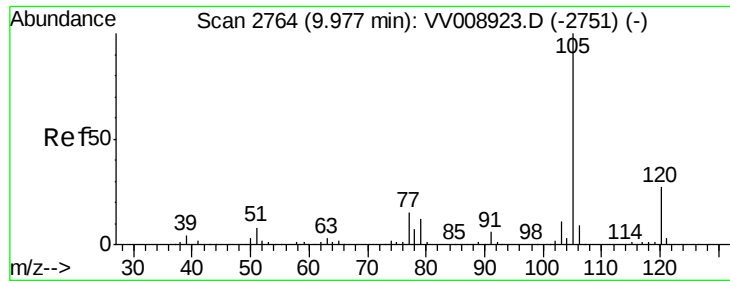
Tgt Ion:106 Resp: 128881
Ion Ratio Lower Upper
106 100
91 217.4 153.4 284.8



#55
Styrene
Concen: 52.747 ug/L
RT: 9.60 min Scan# 2648
Delta R.T. 0.00 min
Lab File: VV008946.D
Acq: 14 Dec 2018 21:52

Tgt Ion:104 Resp: 217845
Ion Ratio Lower Upper
104 100
78 45.7 31.6 58.6





#56

Isopropylbenzene

Concen: 51.459 ug/L

RT: 9.98 min Scan# 2764

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

VSTD05079

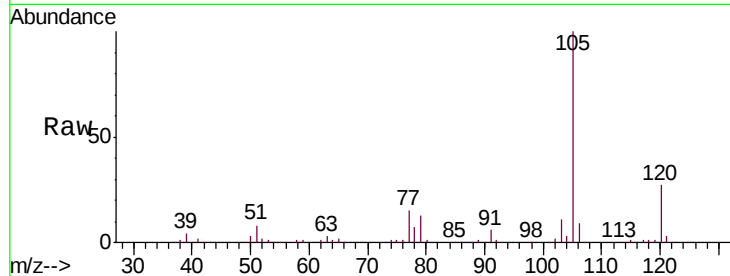
Tgt Ion: 105 Resp: 339299

Ion Ratio Lower Upper

105 100

120 27.1 21.4 32.2

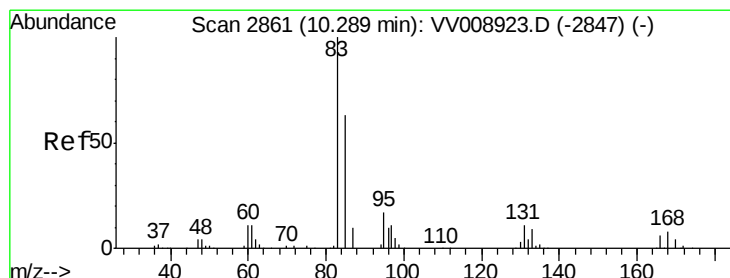
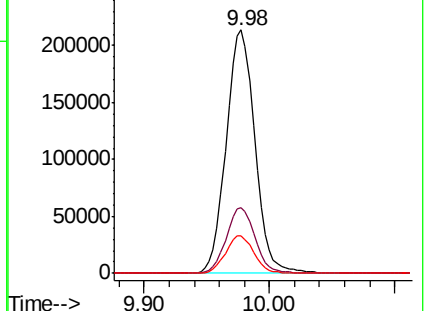
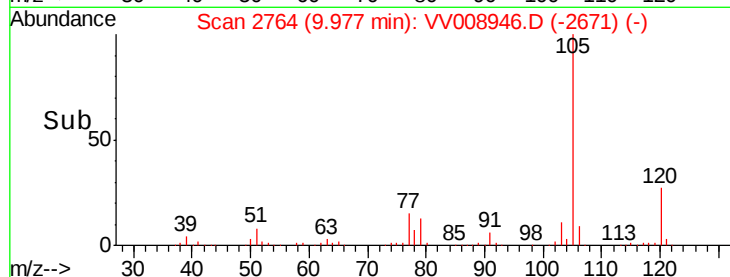
77 15.3 12.2 18.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.094 ug/L

RT: 10.29 min Scan# 2861

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

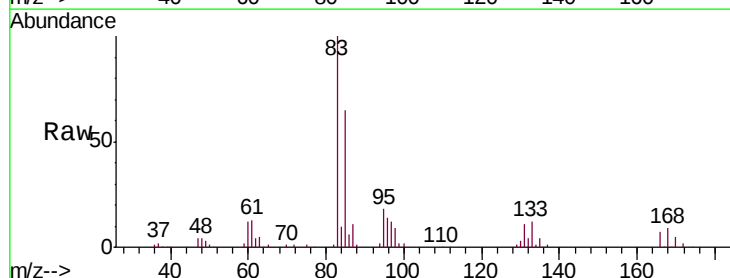
Tgt Ion: 83 Resp: 108216

Ion Ratio Lower Upper

83 100

85 64.9 45.3 84.1

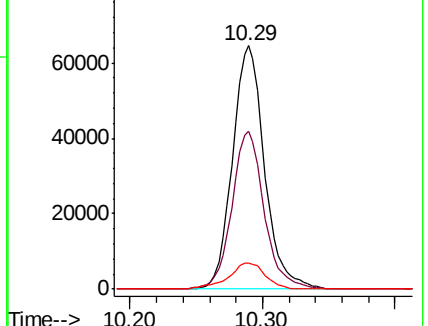
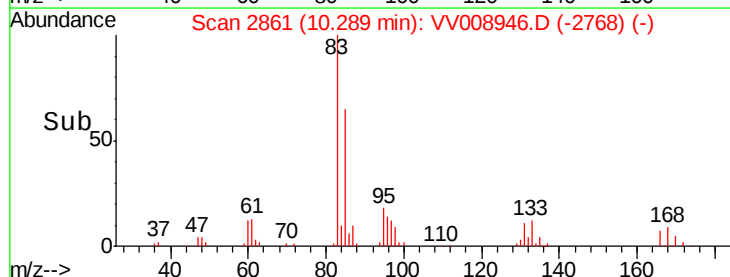
131 10.8 9.2 13.8

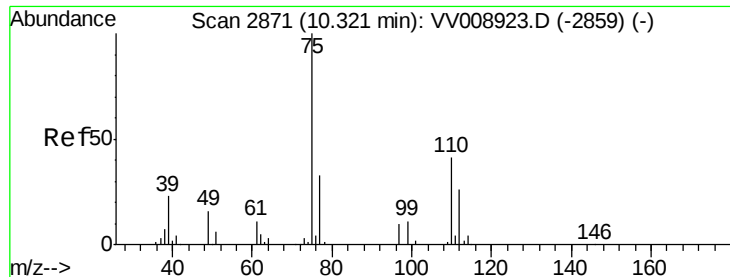


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.932 ug/L

RT: 10.32 min Scan# 2871

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

Instrument :

MSVOA_V

ClientSampleId :

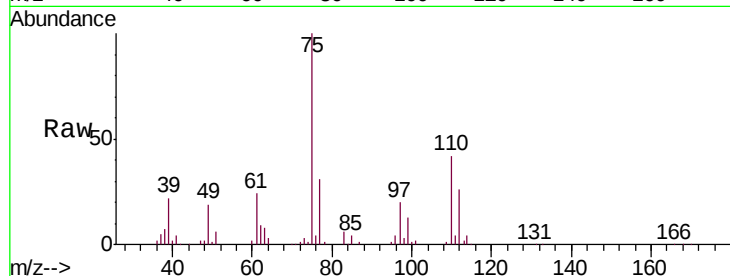
VSTD05079

Tgt Ion: 75 Resp: 96806

Ion Ratio Lower Upper

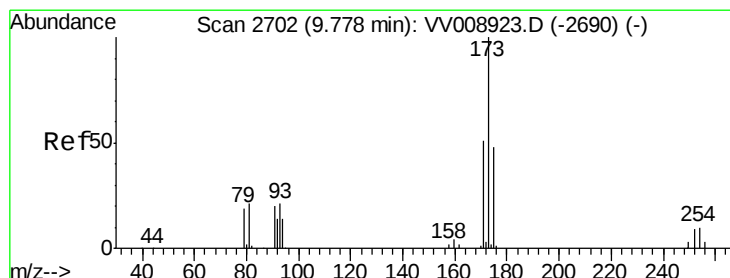
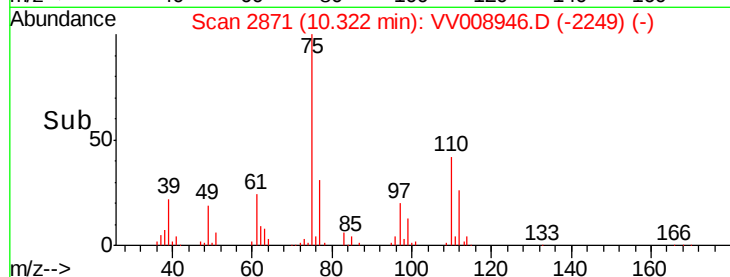
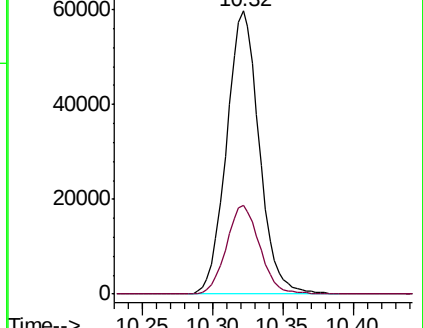
75 100

77 32.1 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV008923.D (-2859) (-)

Ion 77.00 (76.70 to 77.70): VV008923.D (-2859) (-)



#61

Bromoform

Concen: 46.702 ug/L

RT: 9.78 min Scan# 2702

Delta R.T. 0.00 min

Lab File: VV008946.D

Acq: 14 Dec 2018 21:52

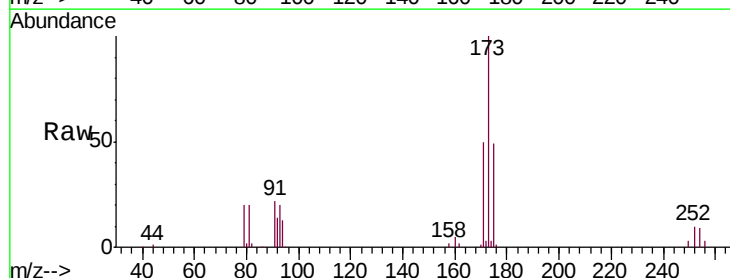
Tgt Ion: 173 Resp: 61611

Ion Ratio Lower Upper

173 100

175 48.3 38.6 57.8

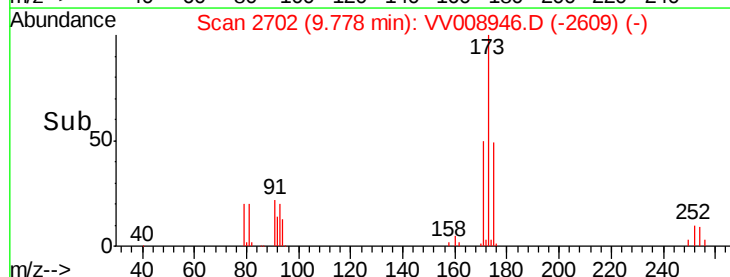
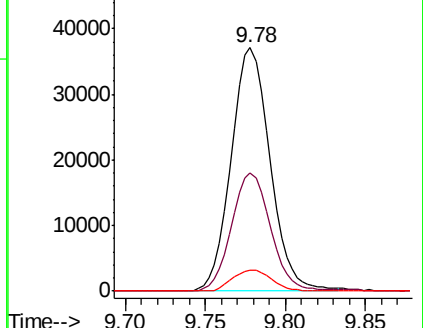
254 8.6 7.4 11.0

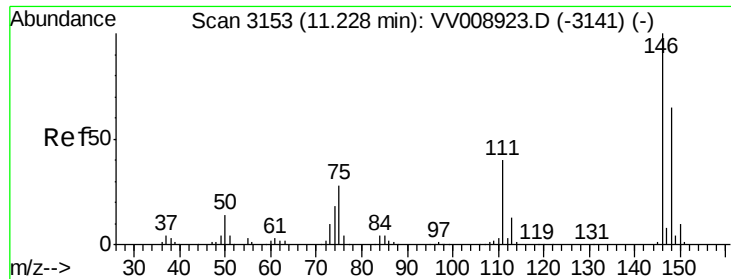


Abundance Ion 173.00 (172.70 to 173.70): VV008923.D (-2690) (-)

Ion 175.00 (174.70 to 175.70): VV008923.D (-2690) (-)

Ion 254.00 (253.70 to 254.70): VV008923.D (-2690) (-)

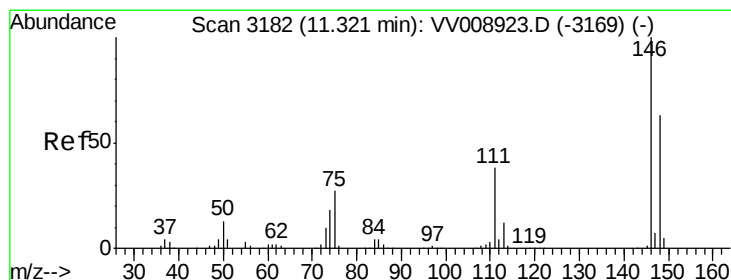
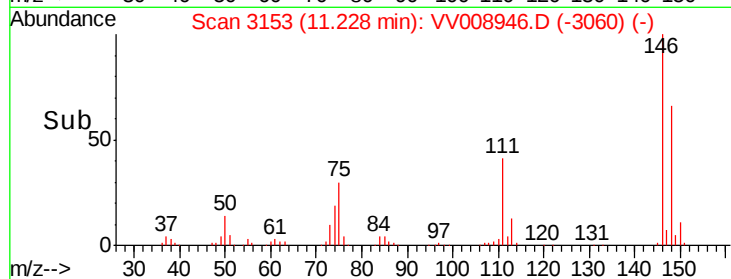
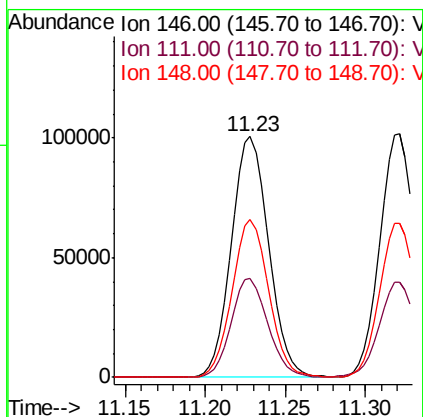
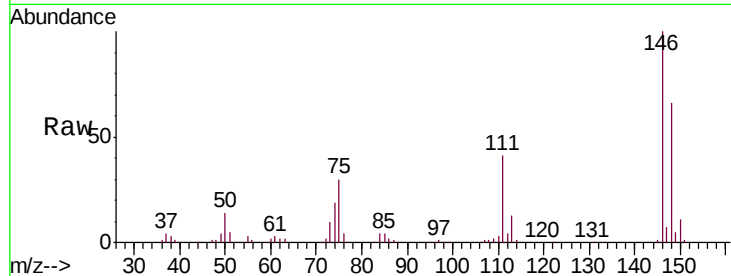




#62
 1,3-Dichlorobenzene
 Concen: 48.487 ug/L
 RT: 11.23 min Scan# 3153
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05079

Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.9	28.3	52.7
148	65.6	44.9	83.5



#63
 1,4-Dichlorobenzene
 Concen: 48.851 ug/L
 RT: 11.32 min Scan# 3182
 Delta R.T. 0.00 min
 Lab File: VV008946.D
 Acq: 14 Dec 2018 21:52

Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.2	27.9	51.9
148	63.4	45.2	84.0

