

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007579.D
 Acq On : 15 Sep 2018 21:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

Quant Time: Sep 17 01:48:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 01:45:59 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	113745	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	103804	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	56440	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	25316	4.26	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	85.20%
7) Chloroethane-d5	1.59	69	23417	4.70	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	94.00%
11) 1,1-Dichloroethene-d2	2.14	63	60586	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	3.97	46	38887	46.92	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	93.84%
24) Chloroform-d	4.41	84	60481	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	99.20%
26) 1,2-Dichloroethane-d4	5.09	65	29641	4.96	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	99.20%
32) Benzene-d6	5.10	84	115524	4.90	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.00%
36) 1,2-Dichloropropane-d6	6.13	67	33924	4.83	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	96.60%
41) Toluene-d8	7.36	98	120336	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	98.20%
43) trans-1,3-Dichloropropene-	7.67	79	14318	4.41	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	88.20%
46) 2-Hexanone-d5	8.15	63	22410	43.22	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	86.44%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	23368	4.76	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	95.20%
64) 1,2-Dichlorobenzene-d4	11.68	152	52357	5.07	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	101.40%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	31285	5.081 ug/L	100
3) Chloromethane	1.25	50	26736	4.996 ug/L	96
5) Vinyl chloride	1.33	62	30178	5.051 ug/L	97
6) Bromomethane	1.54	94	21699	5.089 ug/L	98
8) Chloroethane	1.60	64	19642	5.394 ug/L	95
9) Trichlorofluoromethane	1.78	101	61101	5.185 ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	34174	5.314 ug/L	99
12) 1,1-Dichloroethene	2.14	96	31081	5.384 ug/L	91
13) Acetone	2.21	43	22857	42.229 ug/L	98
14) Carbon disulfide	2.32	76	84292	4.991 ug/L	99
15) Methyl Acetate	2.47	43	6796	4.581 ug/L	92
16) Methylene chloride	2.54	84	33289	5.335 ug/L	96
17) Methyl tert-butyl Ether	2.82	73	70584	5.082 ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	33682	5.363 ug/L	98
19) 1,1-Dichloroethane	3.23	63	45880	5.010 ug/L	100
21) 2-Butanone	4.05	43	44350	48.845 ug/L	99
22) cis-1,2-Dichloroethene	3.97	96	31484	5.086 ug/L	96

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
 Data File : VV007579.D
 Acq On : 15 Sep 2018 21:34
 Operator : SY/MD
 Sample : VSTDCCC005EC
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

Quant Time: Sep 17 01:48:08 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Mon Sep 17 01:45:59 2018
 Response via : Initial Calibration

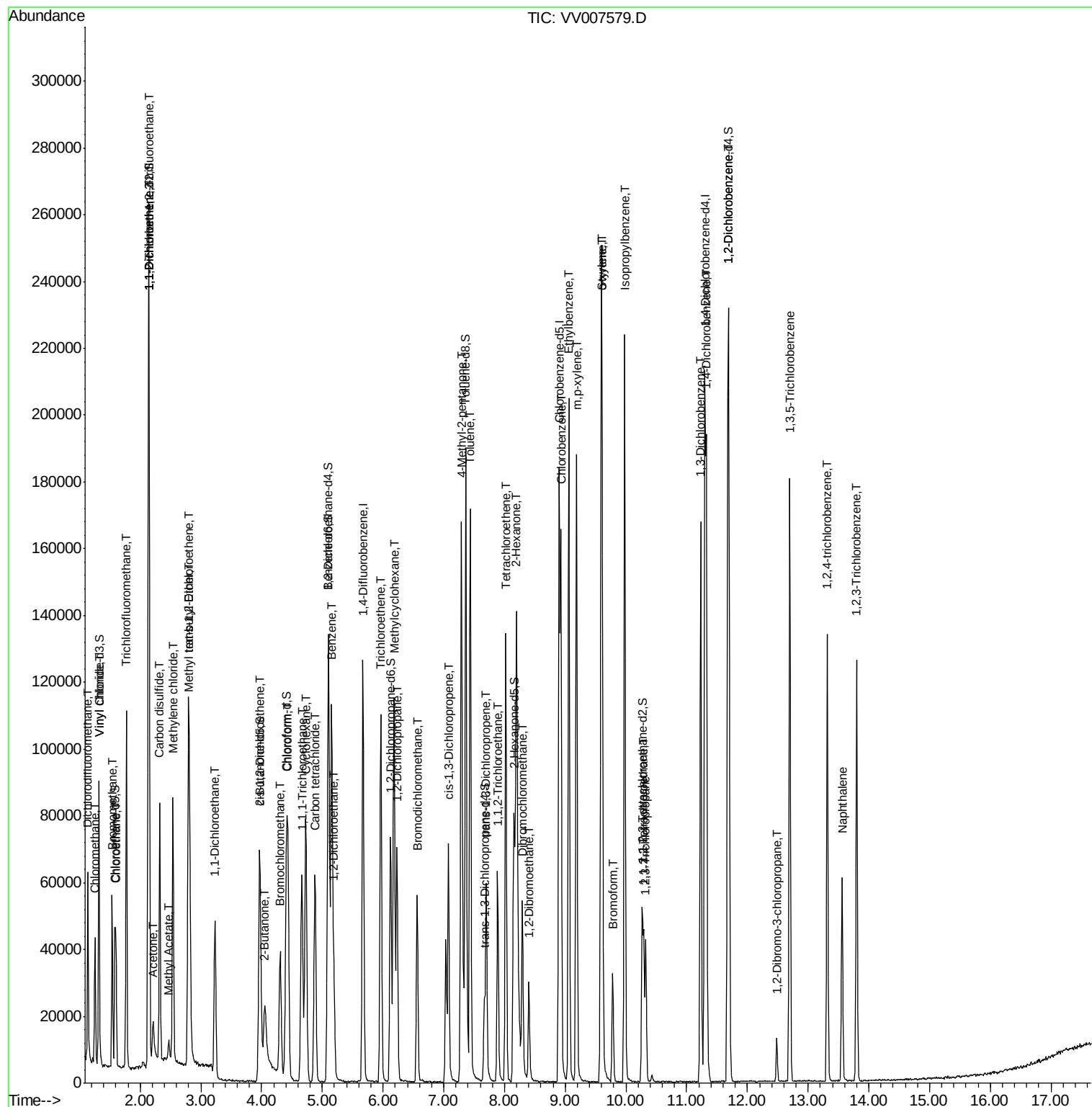
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	14145	5.213	ug/L	97
25) Chloroform	4.43	83	53502	5.113	ug/L	100
27) 1,2-Dichloroethane	5.19	62	29834	4.952	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	49152	4.869	ug/L	97
30) Cyclohexane	4.73	56	41900	4.760	ug/L	99
31) Carbon tetrachloride	4.88	117	45643	4.818	ug/L	100
33) Benzene	5.15	78	109524	5.109	ug/L	100
34) Trichloroethene	5.96	95	35144	5.346	ug/L	97
35) Methylcyclohexane	6.18	83	50769	5.000	ug/L	97
37) 1,2-Dichloropropane	6.23	63	25836	4.891	ug/L	98
38) Bromodichloromethane	6.56	83	35667	4.656	ug/L	98
39) cis-1,3-Dichloropropene	7.08	75	39602	4.716	ug/L	99
40) 4-Methyl-2-pentanone	7.29	43	145623	49.933	ug/L	99
42) Toluene	7.43	91	125791	5.080	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	32708	4.734	ug/L	96
45) 1,1,2-Trichloroethane	7.89	97	20130	5.103	ug/L	99
47) Tetrachloroethene	8.02	164	31377	5.315	ug/L	95
48) 2-Hexanone	8.20	43	112644	50.876	ug/L	94
49) Dibromochloromethane	8.30	129	26476	4.716	ug/L	99
50) 1,2-Dibromoethane	8.40	107	19863	5.186	ug/L #	99
51) Chlorobenzene	8.93	112	87138	5.232	ug/L	99
52) Ethylbenzene	9.06	91	141937	5.088	ug/L	98
53) m,p-xylene	9.19	106	54754	5.067	ug/L	98
54) o-xylene	9.59	106	53167	5.024	ug/L	97
55) Styrene	9.61	104	84132	4.880	ug/L	99
56) Isopropylbenzene	9.98	105	145340	5.058	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	18942	4.903	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	16324	5.054	ug/L	99
61) Bromoform	9.78	173	15506	4.628	ug/L	99
62) 1,3-Dichlorobenzene	11.23	146	74707	5.239	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	73907	5.184	ug/L	99
65) 1,2-Dichlorobenzene	11.69	146	69291	5.221	ug/L	96
66) 1,2-Dibromo-3-chloropropan	12.48	75	3016	4.418	ug/L	91
67) 1,3,5-Trichlorobenzene	12.70	180	59926	5.385	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	44615	5.567	ug/L	99
69) Naphthalene	13.56	128	51440	5.302	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	40533	5.547	ug/L	97

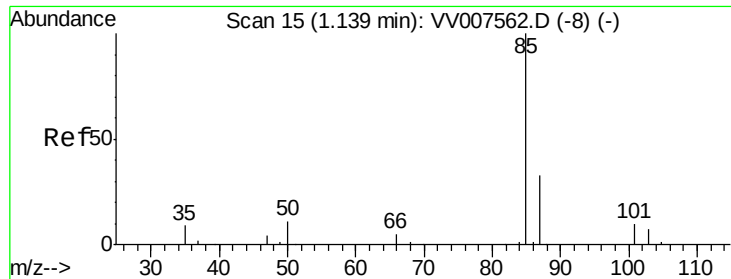
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_V\DATA\VV091518\
Data File : VV007579.D
Acq On : 15 Sep 2018 21:34
Operator : SY/MD
Sample : VSTDCCC005EC
Misc : 25.0 mL/MSVOA_V/WATER
ALS Vial : 21 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
VSTD00564

Quant Time: Sep 17 01:48:08 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR091318WMA.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Mon Sep 17 01:45:59 2018
Response via : Initial Calibration





#2

Dichlorodifluoromethane

Concen: 5.081 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampled :

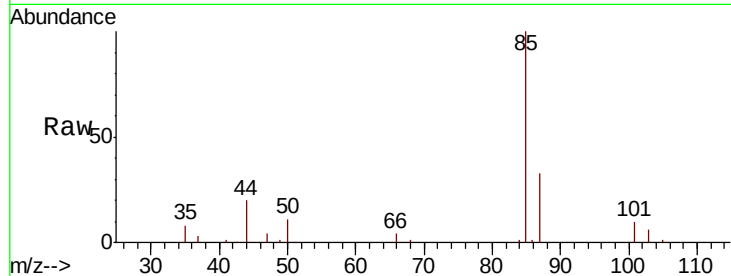
VSTD00564

Tgt Ion: 85 Resp: 31285

Ion Ratio Lower Upper

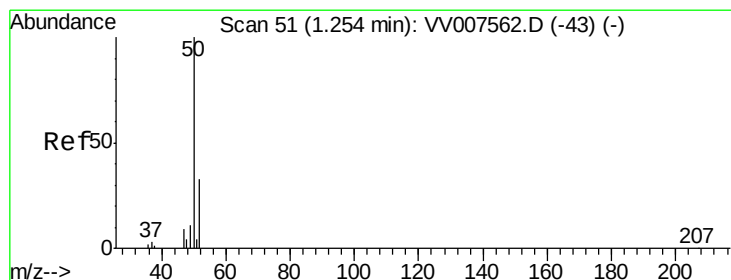
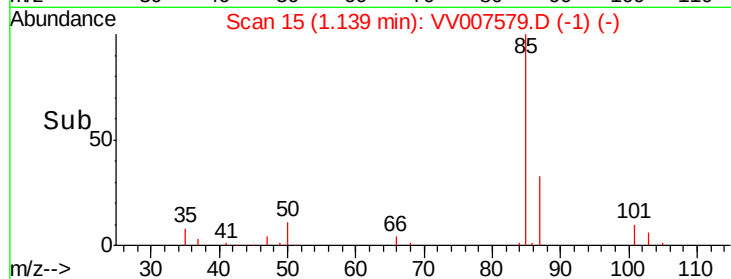
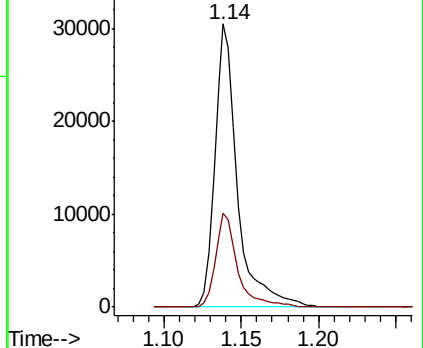
85 100

87 32.4 25.8 38.6



Abundance Ion 85.00 (84.70 to 85.70): VV007562.D (-8) (-)

Ion 87.00 (86.70 to 87.70): VV007562.D (-8) (-)



#3

Chloromethane

Concen: 4.996 ug/L

RT: 1.25 min Scan# 51

Delta R.T. 0.00 min

Lab File: VV007579.D

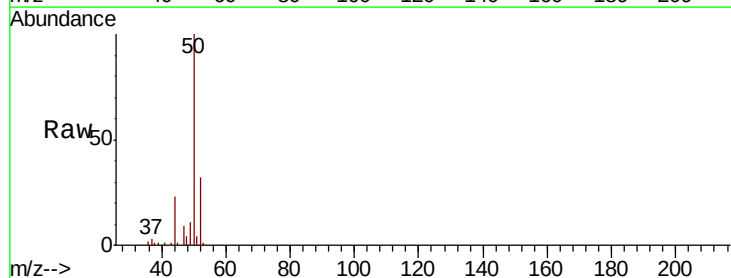
Acq: 15 Sep 2018 21:34

Tgt Ion: 50 Resp: 26736

Ion Ratio Lower Upper

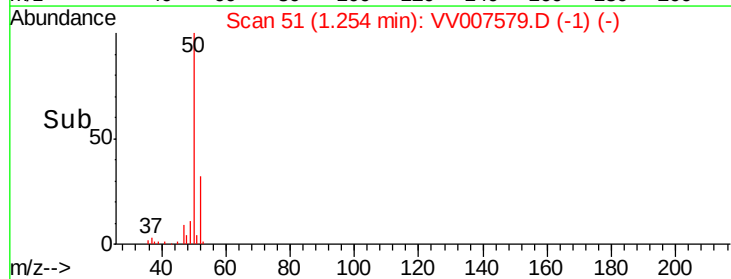
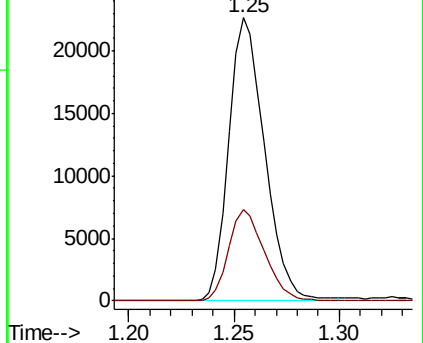
50 100

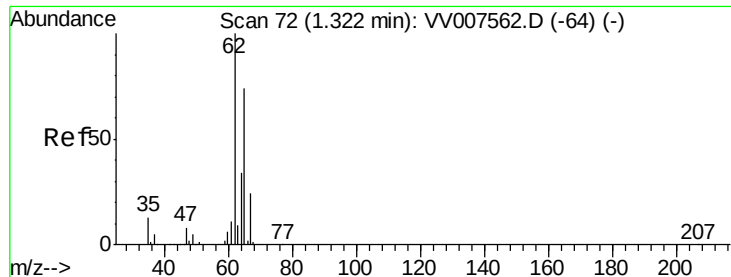
52 32.3 24.3 45.1



Abundance Ion 50.05 (49.75 to 50.75): VV007562.D (-43) (-)

Ion 52.05 (51.75 to 52.75): VV007562.D (-43) (-)





#5

Vinyl chloride

Concen: 5.051 ug/L

RT: 1.33 min Scan# 73

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

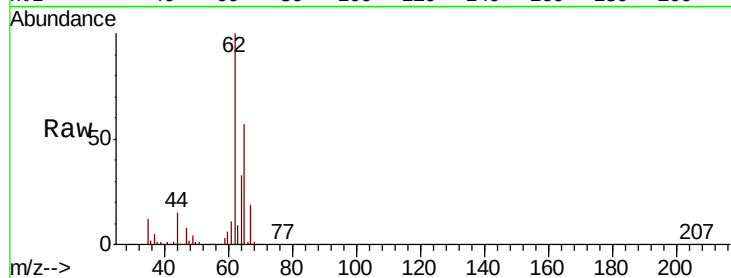
VSTD00564

Tgt Ion: 62 Resp: 30178

Ion Ratio Lower Upper

62 100

64 33.3 24.4 45.2



Abundance Ion 62.00 (61.70 to 62.70): VV007562.D (-64) (-)

Ion 64.10 (63.80 to 64.80): VV007562.D (-64) (-)

1.33

30000

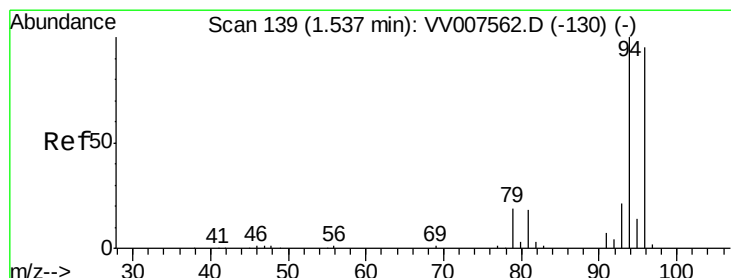
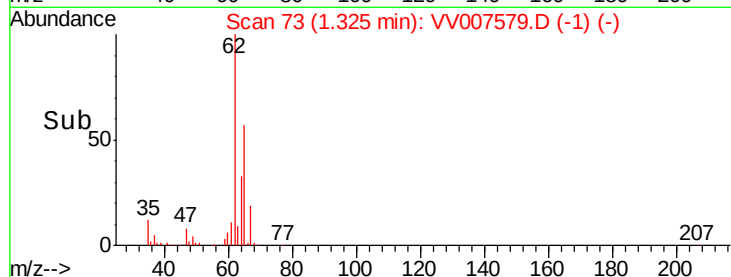
20000

10000

0

1.30 1.35 1.40

Time-->



#6

Bromomethane

Concen: 5.089 ug/L

RT: 1.54 min Scan# 140

Delta R.T. 0.00 min

Lab File: VV007579.D

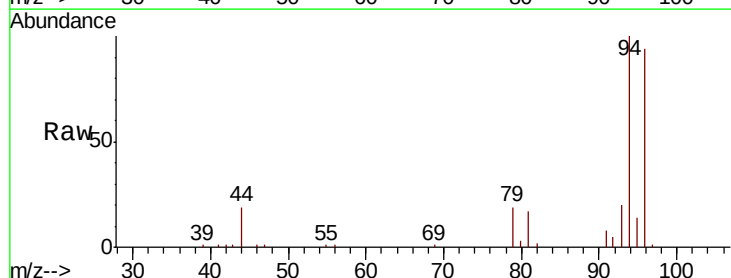
Acq: 15 Sep 2018 21:34

Tgt Ion: 94 Resp: 21699

Ion Ratio Lower Upper

94 100

96 94.0 64.5 119.7



Abundance Ion 94.00 (93.70 to 94.70): VV007562.D (-130) (-)

Ion 96.00 (95.70 to 96.70): VV007562.D (-130) (-)

1.54

20000

15000

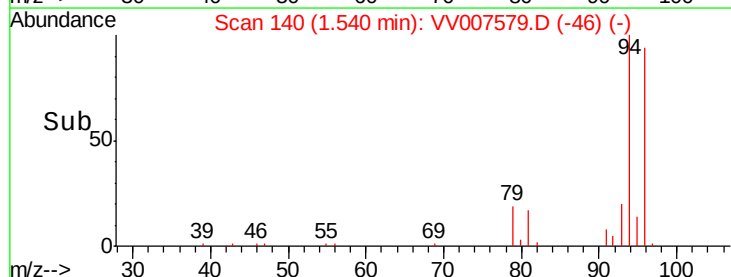
10000

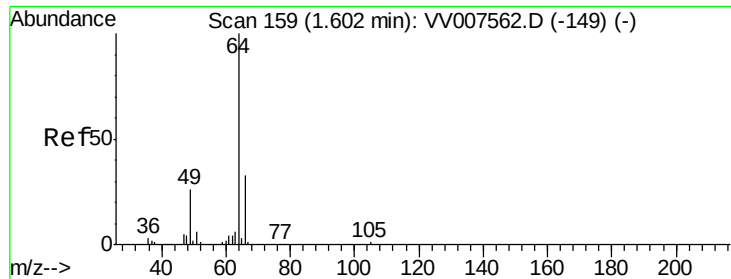
5000

0

1.50 1.55 1.60

Time-->

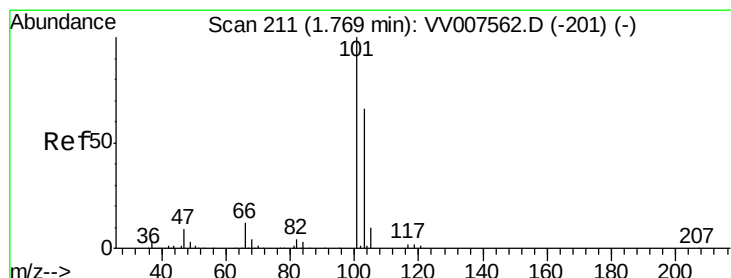
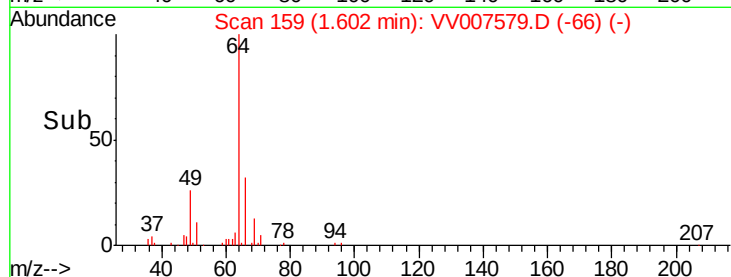
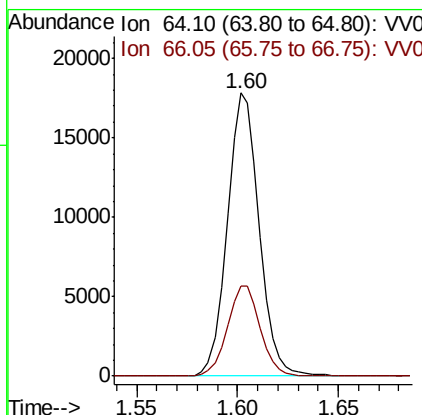
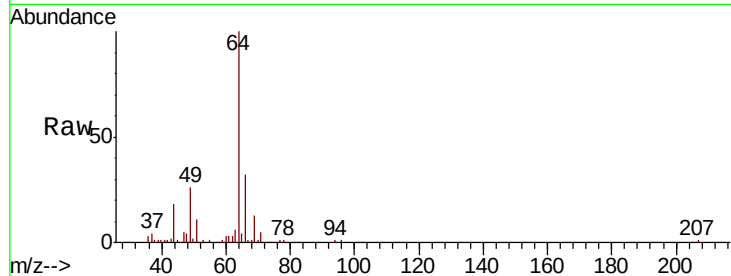




#8
Chloroethane
Concen: 5.394 ug/L
RT: 1.60 min Scan# 159
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

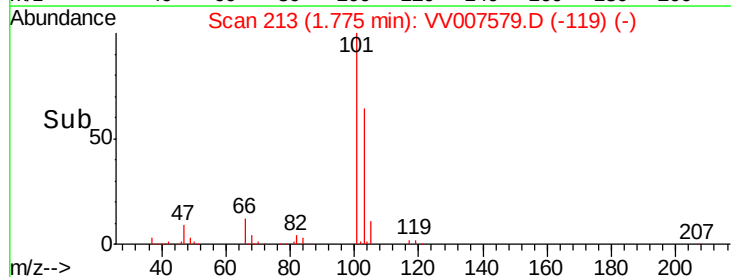
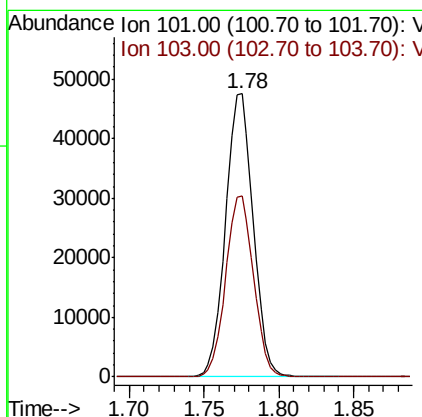
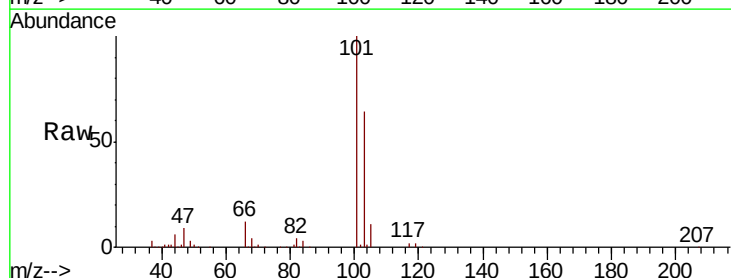
Instrument :
MSVOA_W
ClientSampleId :
VSTD00564

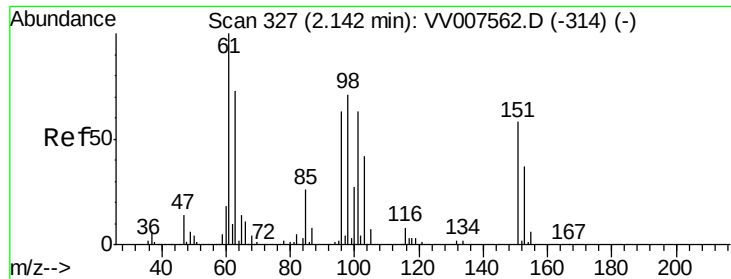
Tgt Ion: 64 Resp: 19642
Ion Ratio Lower Upper
64 100
66 31.9 24.3 45.1



#9
Trichlorofluoromethane
Concen: 5.185 ug/L
RT: 1.78 min Scan# 213
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

Tgt Ion: 101 Resp: 61101
Ion Ratio Lower Upper
101 100
103 64.6 51.8 77.8





#10

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

Concen: 5.314 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampled :

VSTD00564

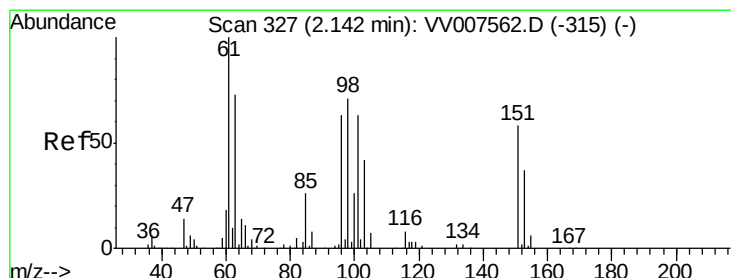
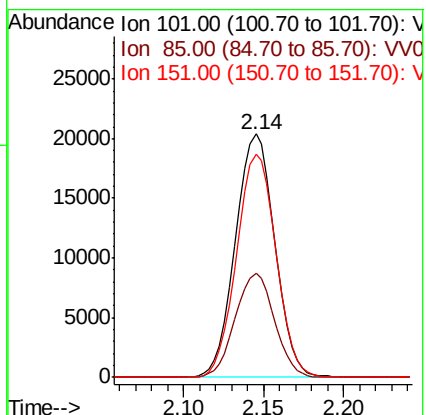
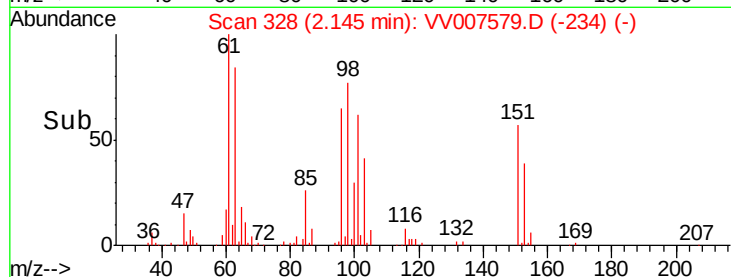
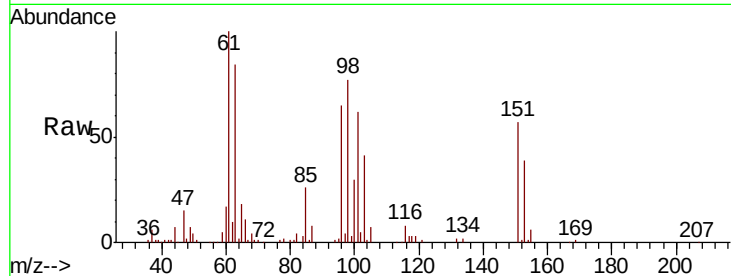
Tgt Ion: 101 Resp: 34174

Ion Ratio Lower Upper

101 100

85 42.4 34.8 52.2

151 91.6 72.6 109.0



#12

1,1-Dichloroethene

Concen: 5.384 ug/L

RT: 2.14 min Scan# 328

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

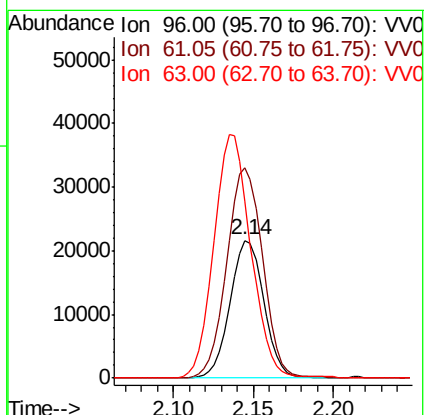
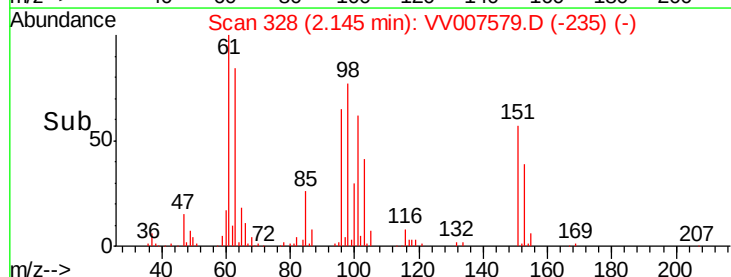
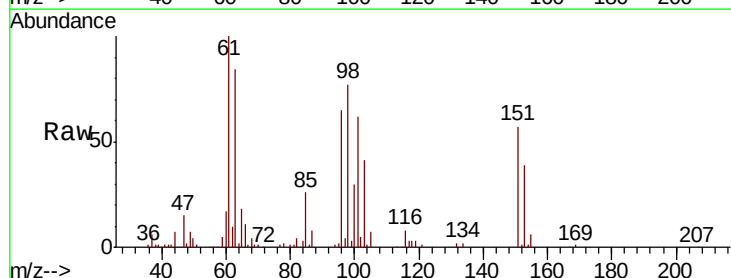
Tgt Ion: 96 Resp: 31081

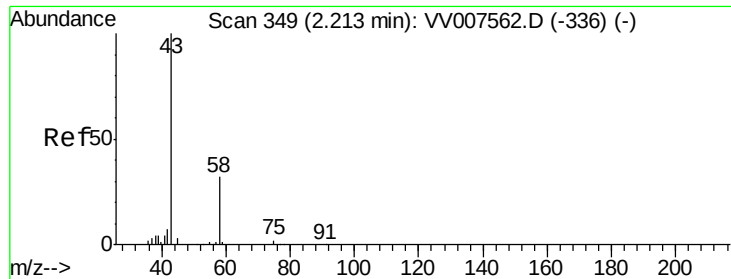
Ion Ratio Lower Upper

96 100

61 153.4 114.8 213.2

63 128.8 81.8 151.8





#13

Acetone

Concen: 42.229 ug/L

RT: 2.21 min Scan# 349

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

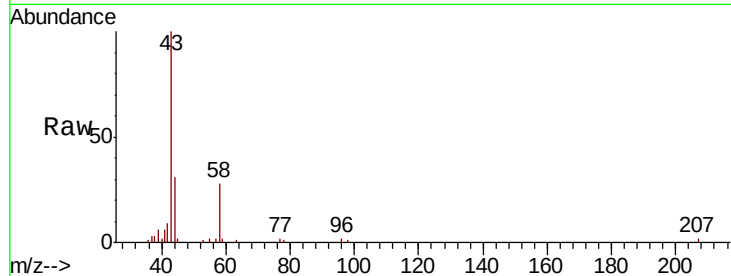
VSTD00564

Tgt Ion: 43 Resp: 22857

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VV007562.D (-336) (-)

Ion 58.05 (57.75 to 58.75): VV007562.D (-336) (-)

2.21

10000

8000

6000

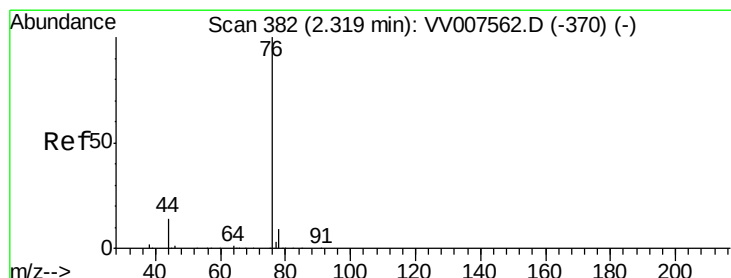
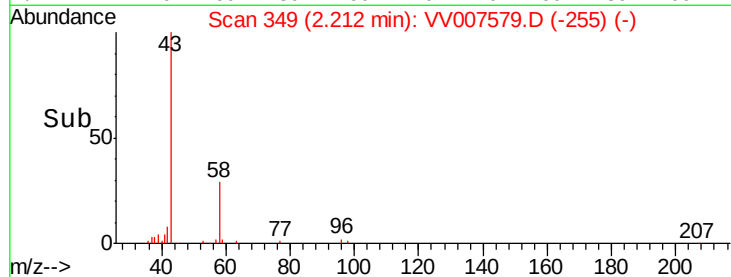
4000

2000

0

Time-->

2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 4.991 ug/L

RT: 2.32 min Scan# 383

Delta R.T. 0.00 min

Lab File: VV007579.D

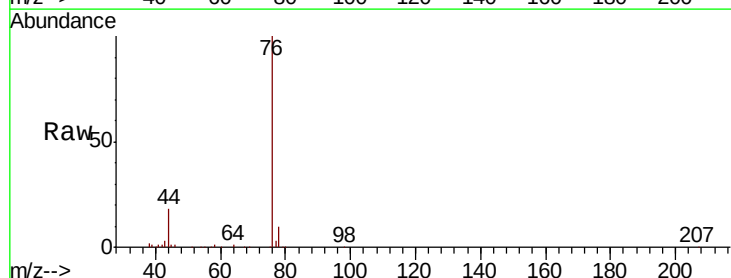
Acq: 15 Sep 2018 21:34

Tgt Ion: 76 Resp: 84292

Ion Ratio Lower Upper

76 100

78 9.5 7.4 11.0



Abundance Ion 76.05 (75.75 to 76.75): VV007562.D (-370) (-)

Ion 78.00 (77.70 to 78.70): VV007562.D (-370) (-)

2.32

60000

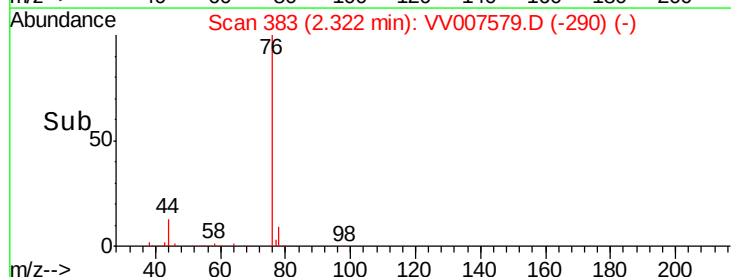
40000

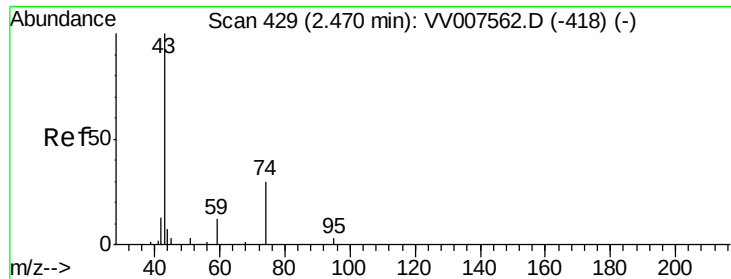
20000

0

Time-->

2.25 2.30 2.35 2.40

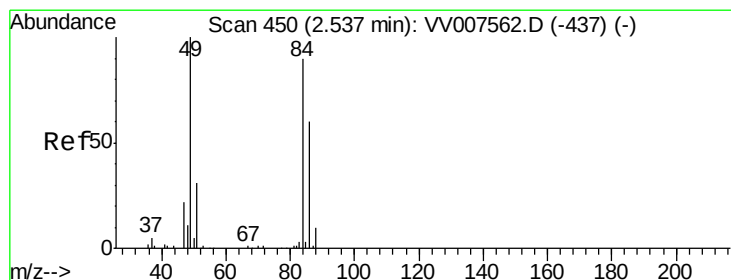
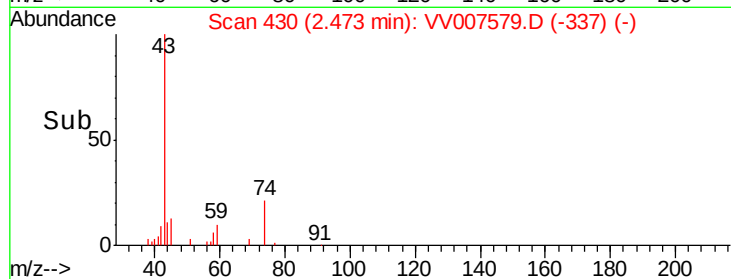
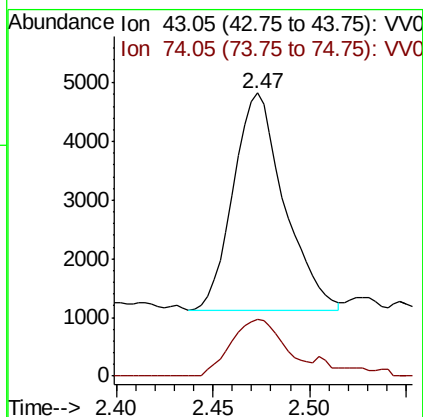
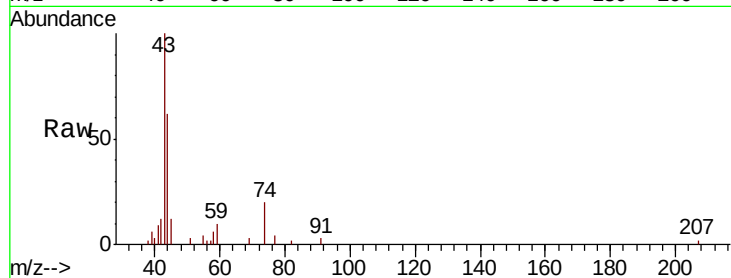




#15
Methyl Acetate
Concen: 4.581 ug/L
RT: 2.47 min Scan# 430
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

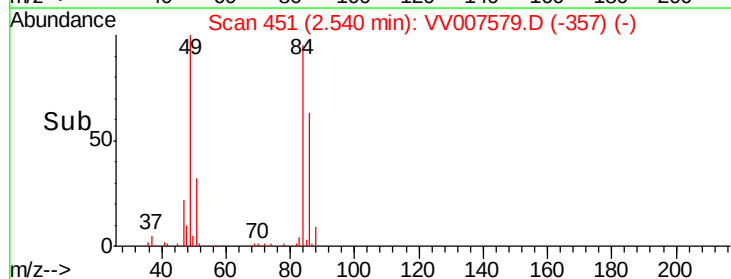
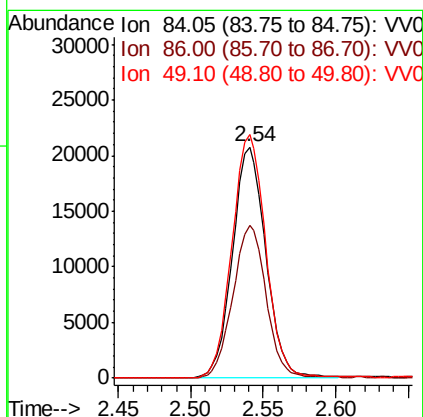
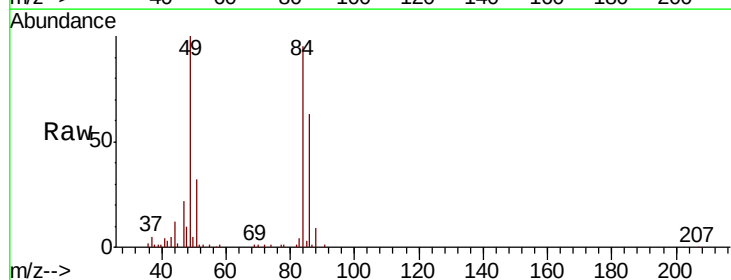
Instrument :
MSVOA_W
ClientSampled :
VSTD00564

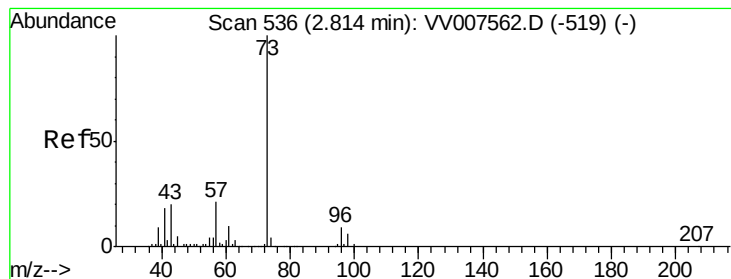
Tgt Ion: 43 Resp: 6796
Ion Ratio Lower Upper
43 100
74 27.5 25.4 38.2



#16
Methylene chloride
Concen: 5.335 ug/L
RT: 2.54 min Scan# 451
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

Tgt Ion: 84 Resp: 33289
Ion Ratio Lower Upper
84 100
86 65.9 43.7 81.1
49 105.3 76.8 142.6





#17

Methyl tert-butyl Ether

Concen: 5.082 ug/L

RT: 2.82 min Scan# 537

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00564

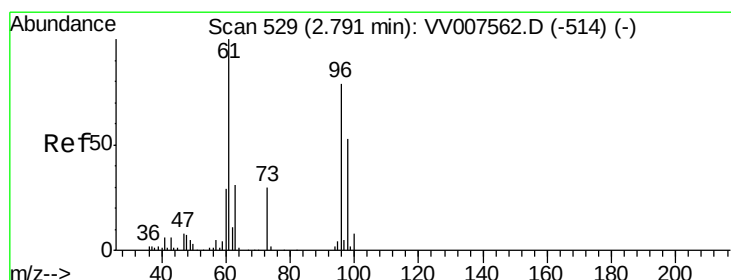
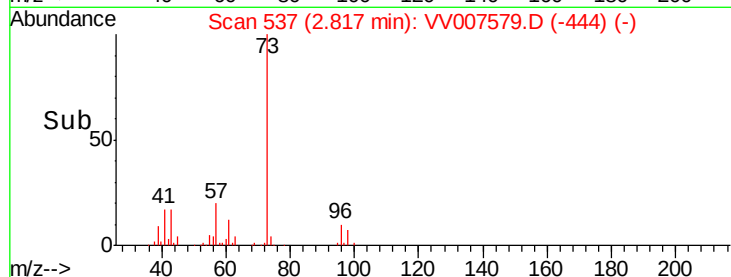
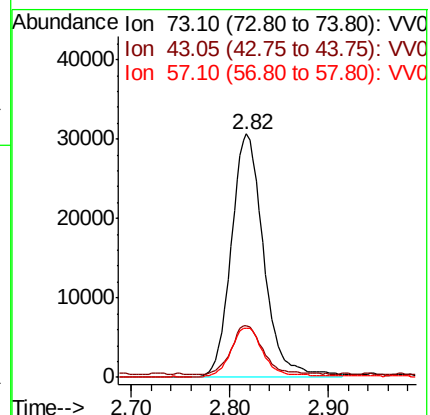
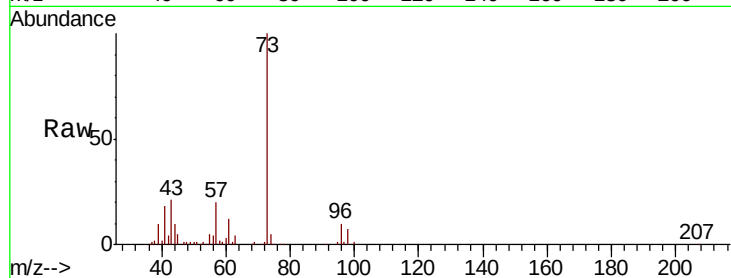
Tgt Ion: 73 Resp: 70584

Ion Ratio Lower Upper

73 100

43 19.4 15.8 23.6

57 20.2 15.8 23.6



#18

trans-1,2-Dichloroethene

Concen: 5.363 ug/L

RT: 2.79 min Scan# 530

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

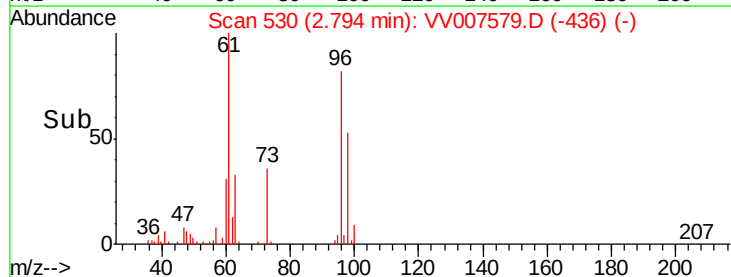
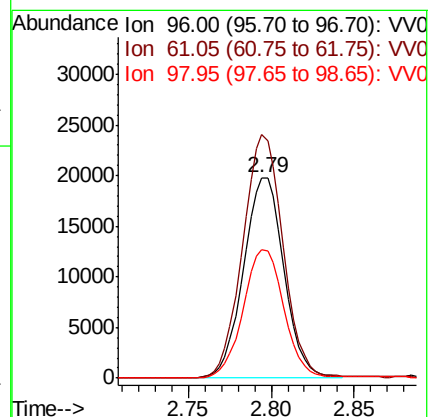
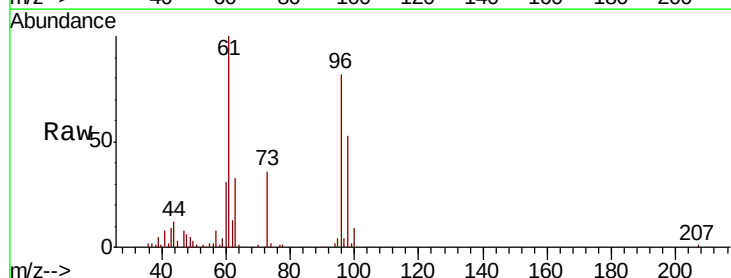
Tgt Ion: 96 Resp: 33682

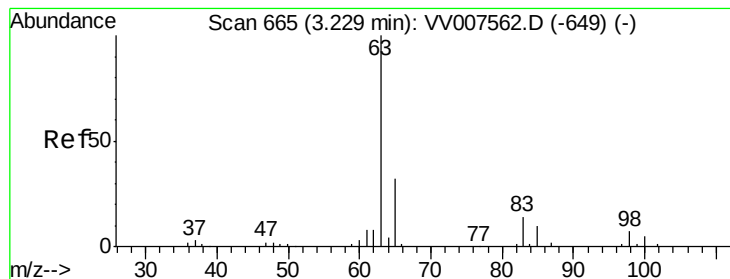
Ion Ratio Lower Upper

96 100

61 121.3 86.8 161.2

98 64.3 44.4 82.4





#19

1,1-Dichloroethane

Concen: 5.010 ug/L

RT: 3.23 min Scan# 666

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00564

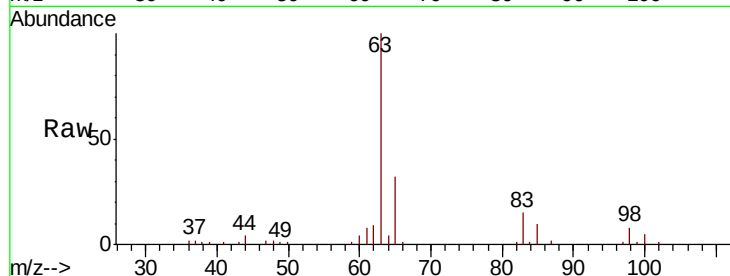
Tgt Ion: 63 Resp: 45880

Ion Ratio Lower Upper

63 100

65 32.1 22.5 41.9

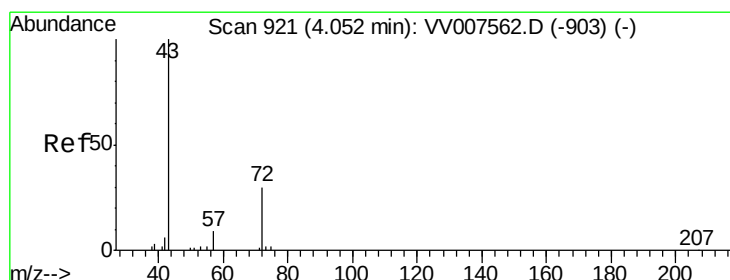
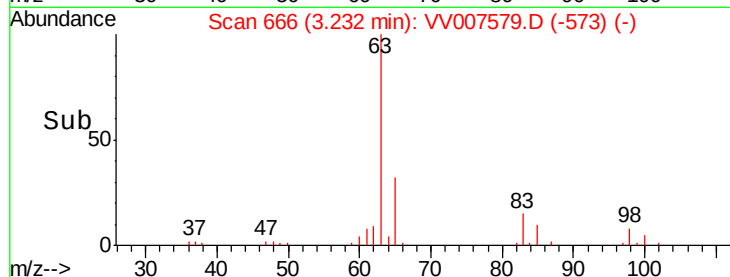
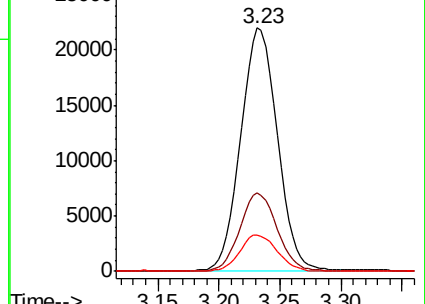
83 15.1 10.4 19.2



Abundance Ion 63.10 (62.80 to 63.80): VV007562.D (-649) (-)

Ion 65.10 (64.80 to 65.80): VV007562.D (-649) (-)

Ion 83.05 (82.75 to 83.75): VV007562.D (-649) (-)



#21

2-Butanone

Concen: 48.845 ug/L

RT: 4.05 min Scan# 922

Delta R.T. -0.00 min

Lab File: VV007579.D

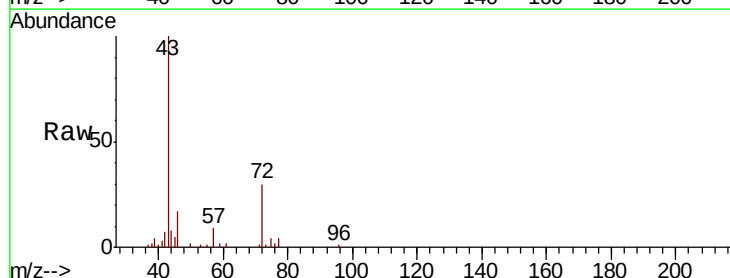
Acq: 15 Sep 2018 21:34

Tgt Ion: 43 Resp: 44350

Ion Ratio Lower Upper

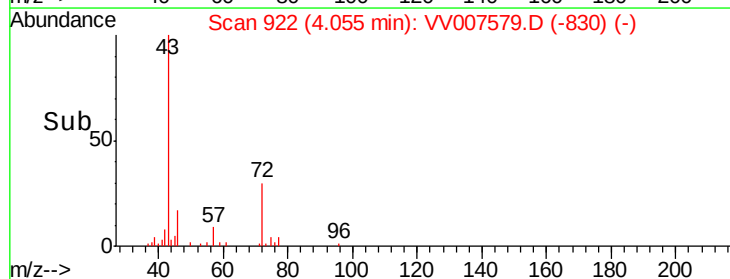
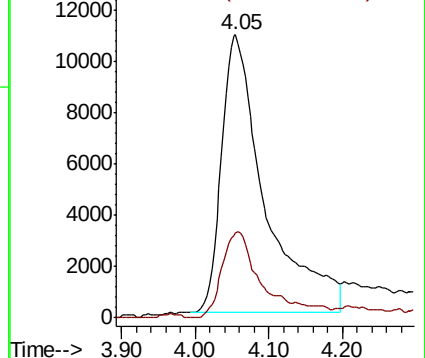
43 100

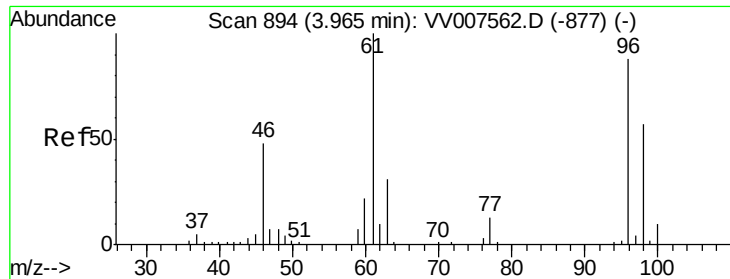
72 27.7 14.2 42.6



Abundance Ion 43.05 (42.75 to 43.75): VV007562.D (-903) (-)

Ion 72.10 (71.80 to 72.80): VV007562.D (-903) (-)



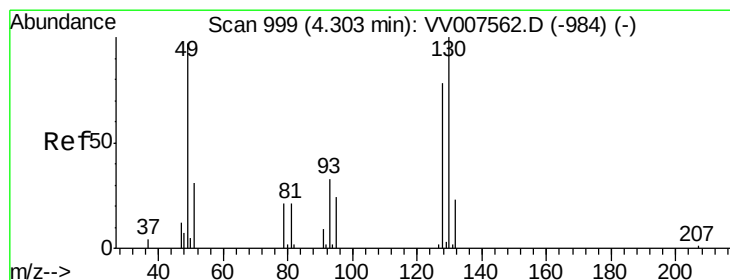
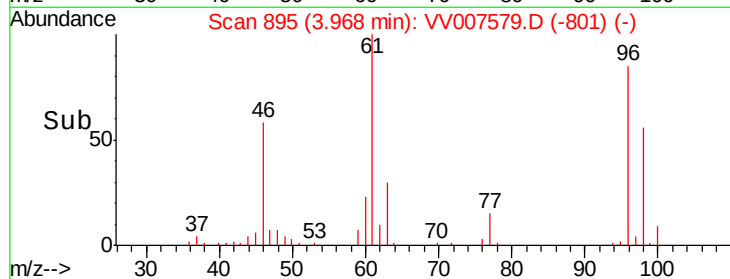
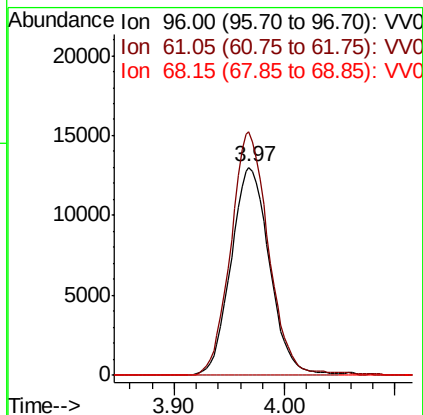
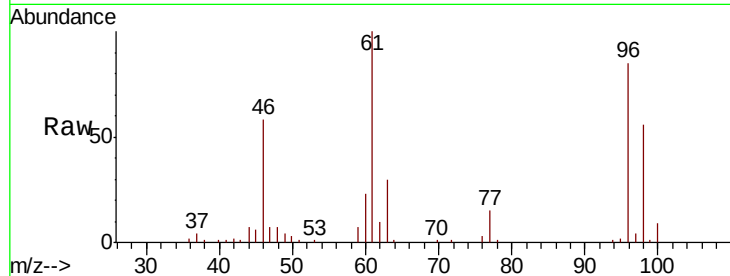


#22

cis-1,2-Dichloroethene
 Concen: 5.086 ug/L
 RT: 3.97 min Scan# 895
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

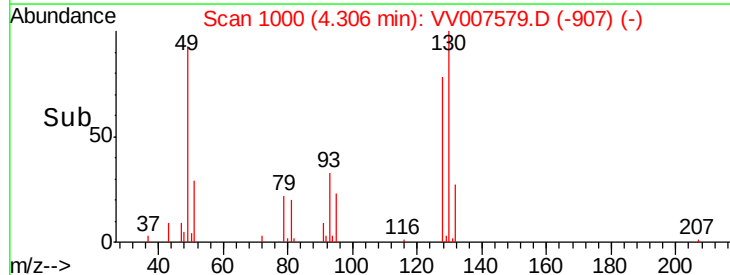
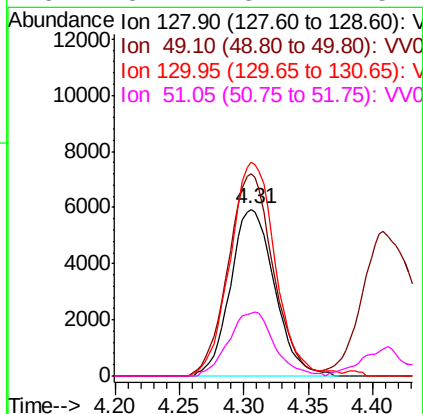
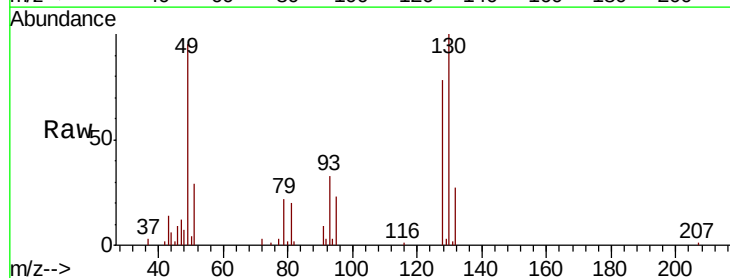
Tgt Ion: 96 Resp: 31484
 Ion Ratio Lower Upper
 96 100
 61 117.0 85.3 158.5
 68 0.0 0.0 0.0

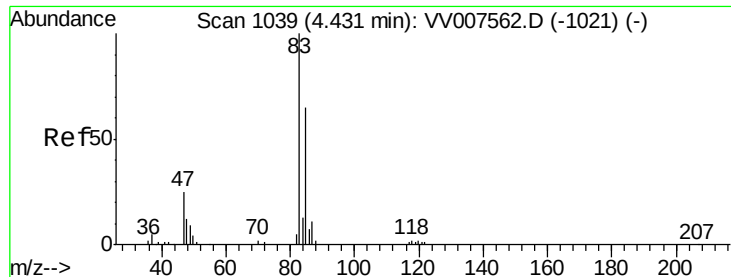


#23

Bromochloromethane
 Concen: 5.213 ug/L
 RT: 4.31 min Scan# 1000
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion: 128 Resp: 14145
 Ion Ratio Lower Upper
 128 100
 49 121.6 89.0 165.2
 130 128.2 88.8 165.0
 51 37.7 32.2 48.2

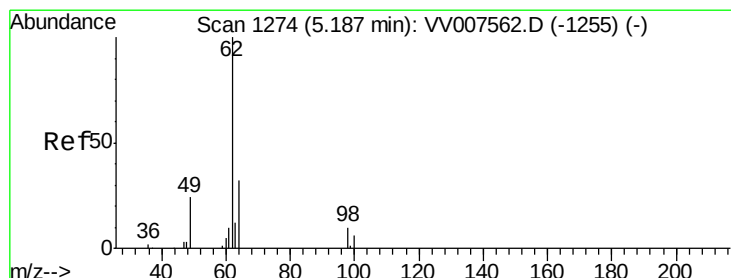
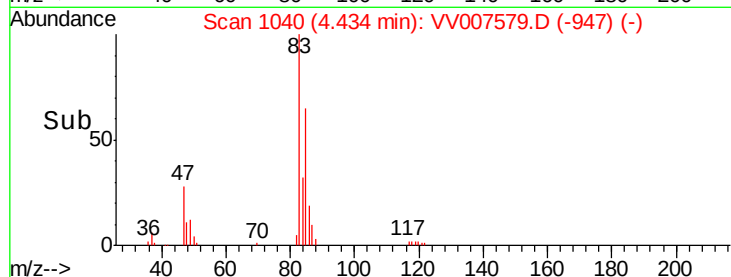
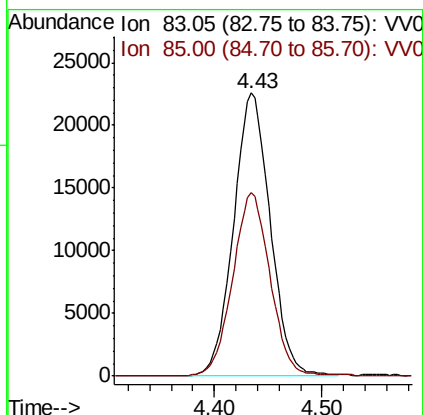
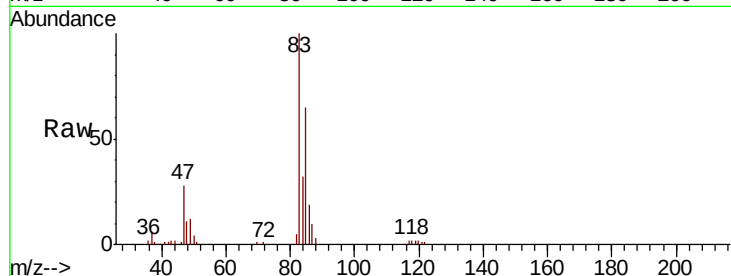




#25
Chloroform
Concen: 5.113 ug/L
RT: 4.43 min Scan# 1040
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

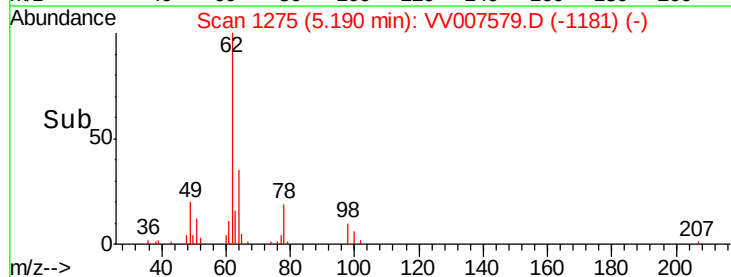
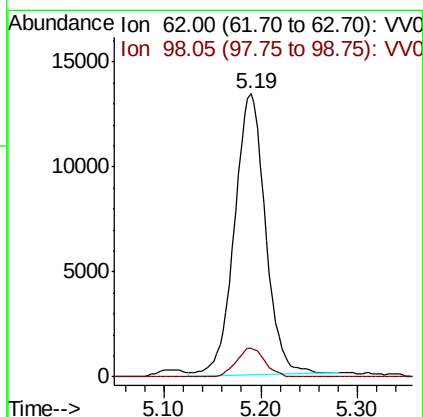
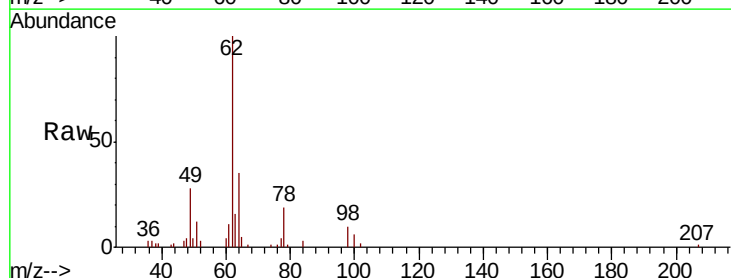
Instrument :
MSVOA_W
ClientSampleId :
VSTD00564

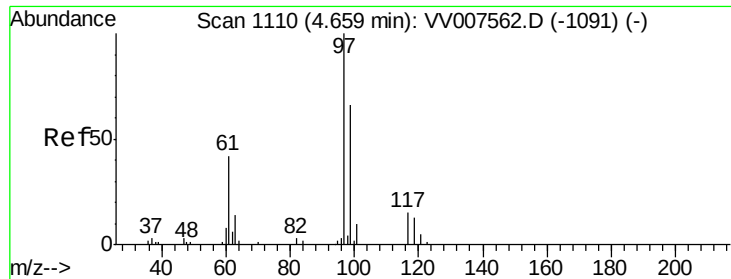
Tgt Ion: 83 Resp: 53502
Ion Ratio Lower Upper
83 100
85 65.1 45.5 84.5



#27
1,2-Dichloroethane
Concen: 4.952 ug/L
RT: 5.19 min Scan# 1275
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

Tgt Ion: 62 Resp: 29834
Ion Ratio Lower Upper
62 100
98 10.2 7.6 11.4

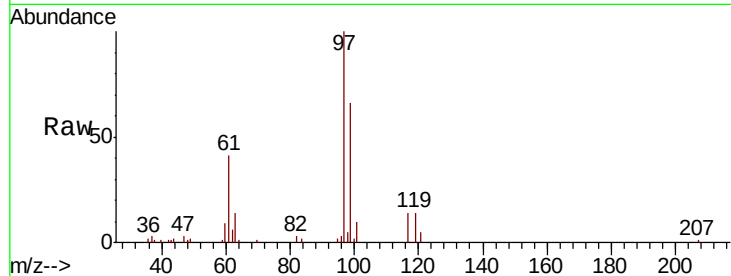




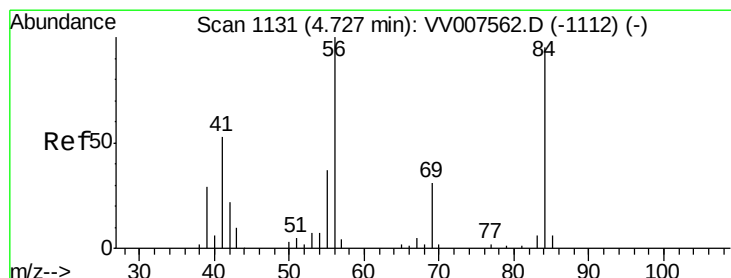
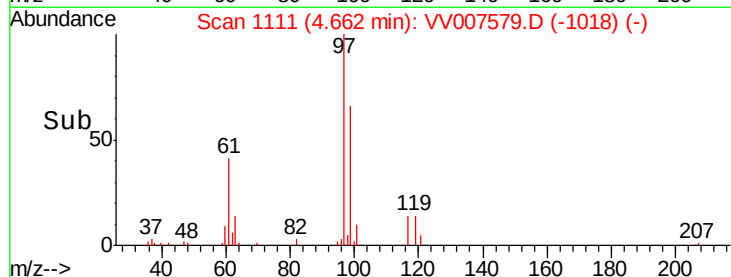
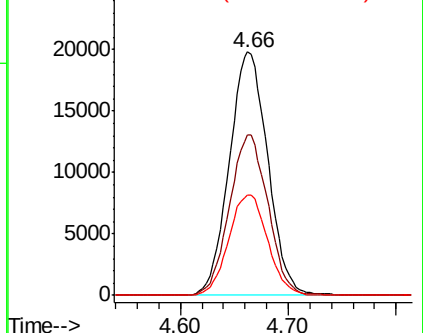
#29
 1,1,1-Trichloroethane
 Concen: 4.869 ug/L
 RT: 4.66 min Scan# 1111
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

Tgt Ion: 97 Resp: 49152
 Ion Ratio Lower Upper
 97 100
 99 65.9 50.7 76.1
 61 41.5 32.5 48.7

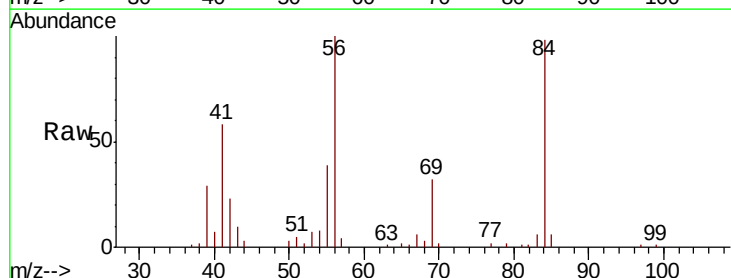


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 61.05 (60.75 to 61.75): VV0

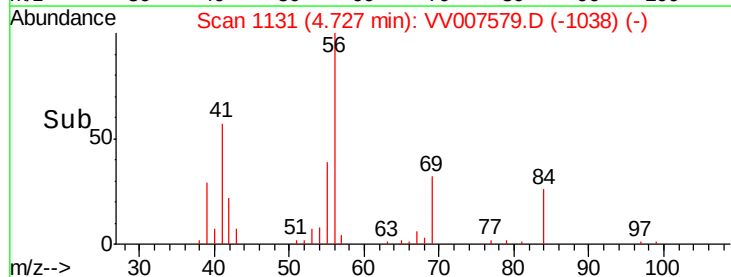
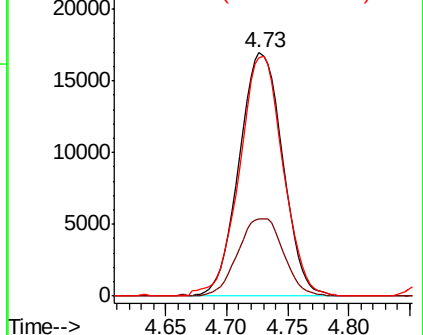


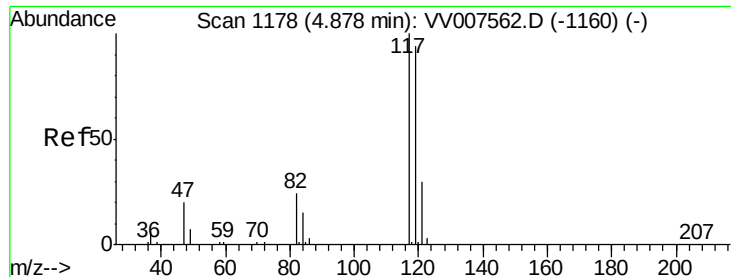
#30
 Cyclohexane
 Concen: 4.760 ug/L
 RT: 4.73 min Scan# 1131
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion: 56 Resp: 41900
 Ion Ratio Lower Upper
 56 100
 69 33.2 26.1 39.1
 84 98.4 78.0 117.0



Abundance Ion 56.10 (55.80 to 56.80): VV0
 Ion 69.15 (68.85 to 69.85): VV0
 Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 4.818 ug/L

RT: 4.88 min Scan# 1179

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

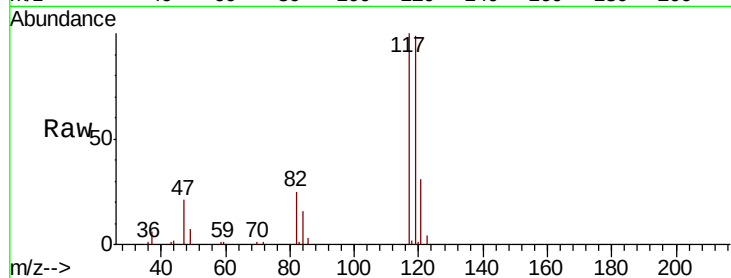
VSTD00564

Tgt Ion:117 Resp: 45643

Ion Ratio Lower Upper

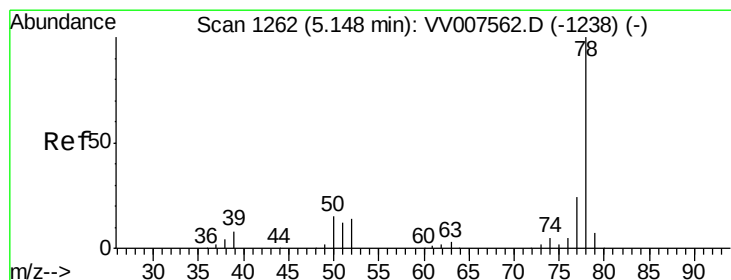
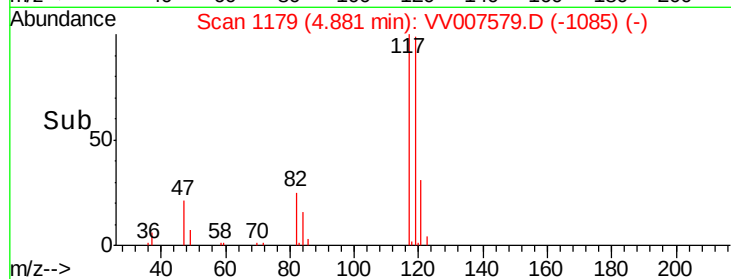
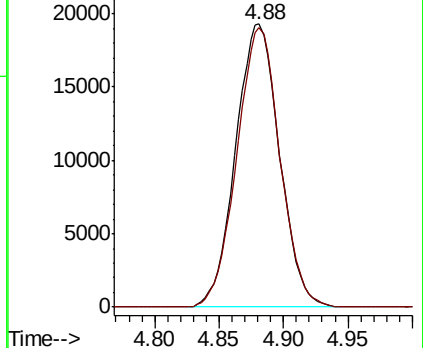
117 100

119 97.1 77.5 116.3



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.109 ug/L

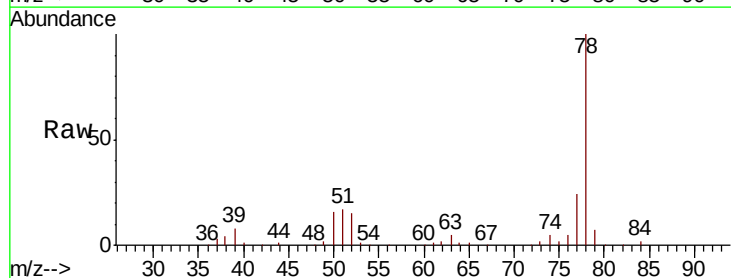
RT: 5.15 min Scan# 1263

Delta R.T. 0.00 min

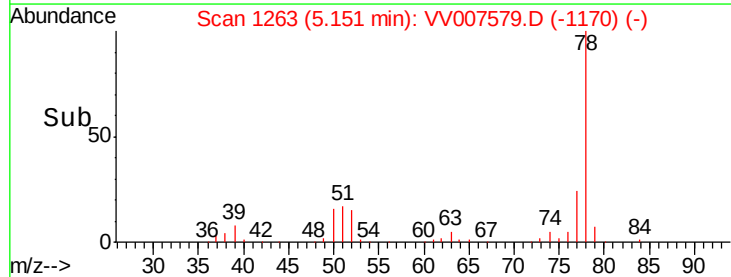
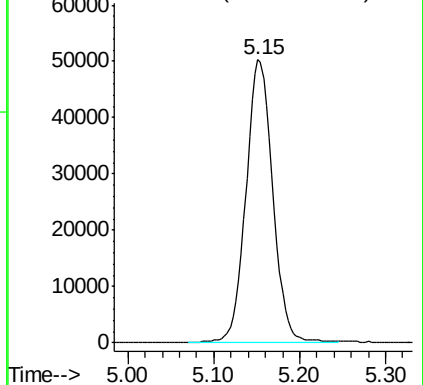
Lab File: VV007579.D

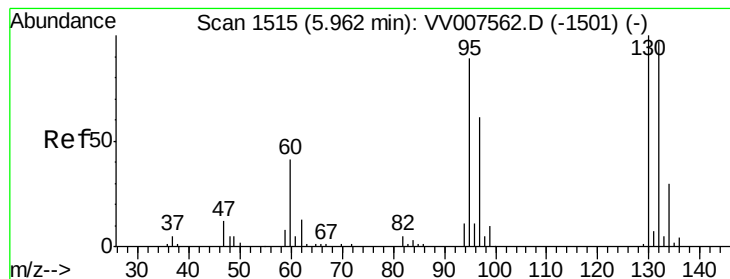
Acq: 15 Sep 2018 21:34

Tgt Ion: 78 Resp: 109524



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.346 ug/L

RT: 5.96 min Scan# 1516

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00564

Tgt Ion: 95 Resp: 35144

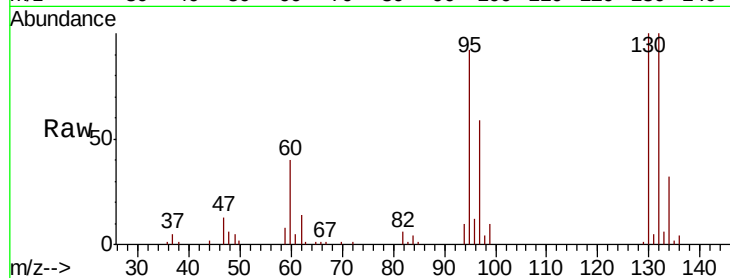
Ion Ratio Lower Upper

95 100

97 63.9 45.5 84.5

132 108.5 74.9 139.1

130 108.5 80.0 148.6



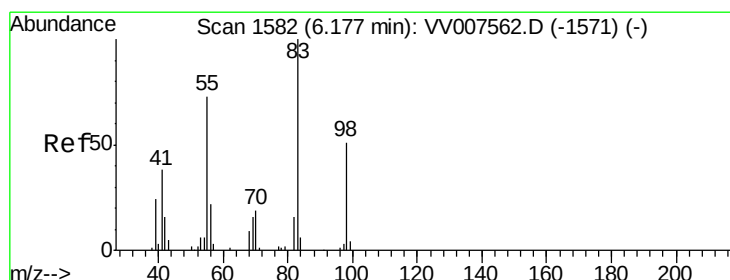
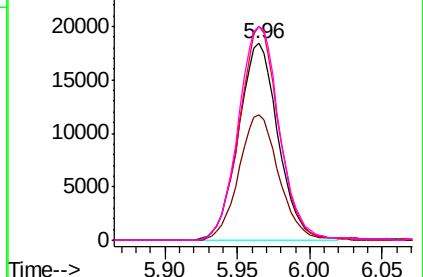
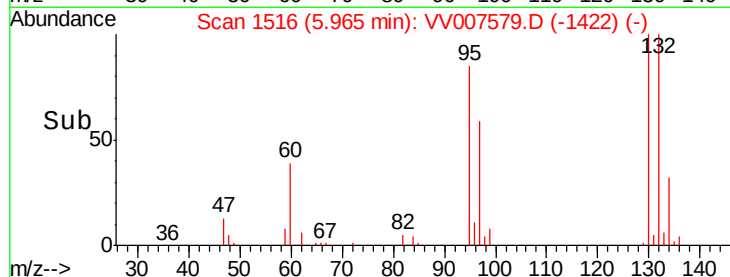
Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V

Time-->



#35

Methylcyclohexane

Concen: 5.000 ug/L

RT: 6.18 min Scan# 1583

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

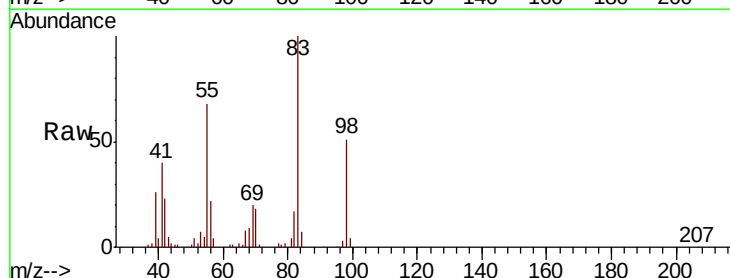
Tgt Ion: 83 Resp: 50769

Ion Ratio Lower Upper

83 100

55 67.4 55.0 82.4

98 50.8 37.6 56.4

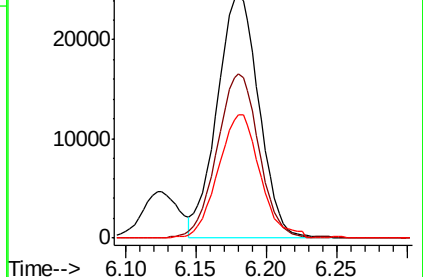
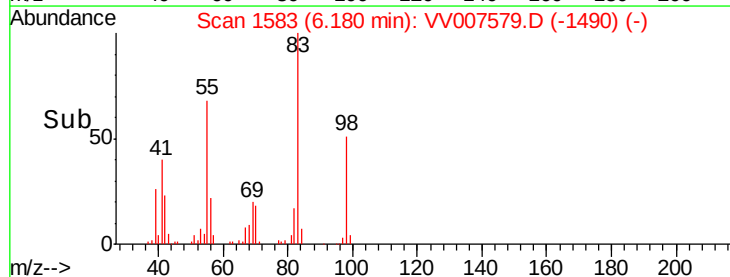


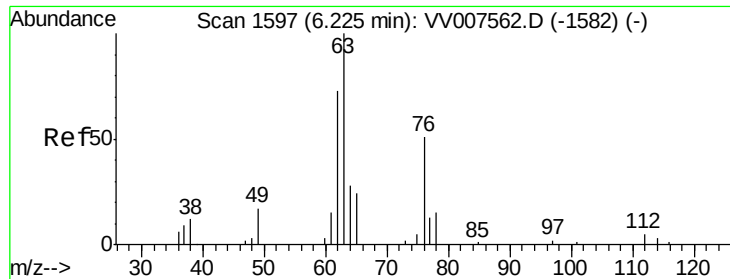
Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

Time-->

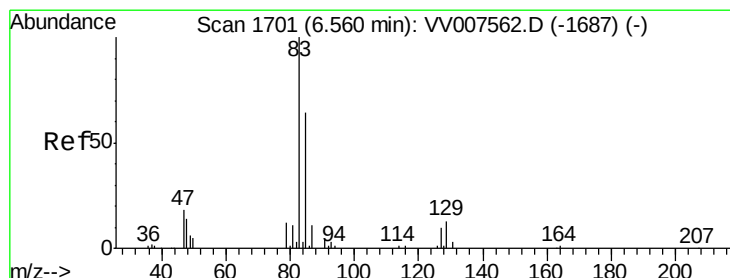
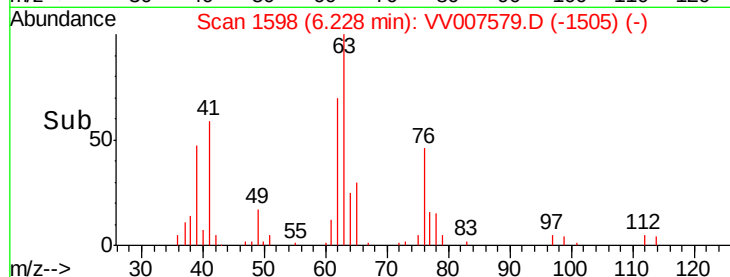
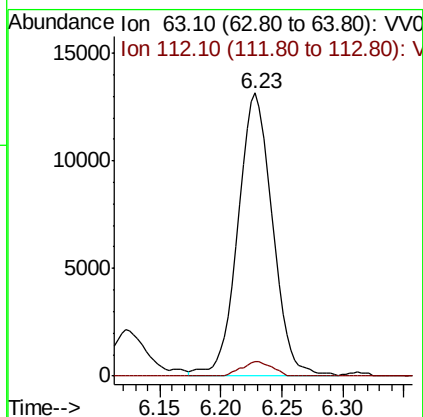
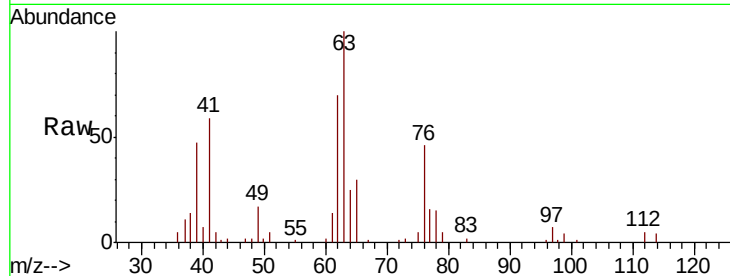




#37
 1,2-Dichloropropane
 Concen: 4.891 ug/L
 RT: 6.23 min Scan# 1598
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

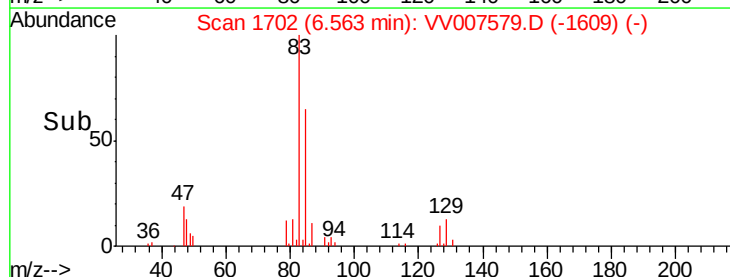
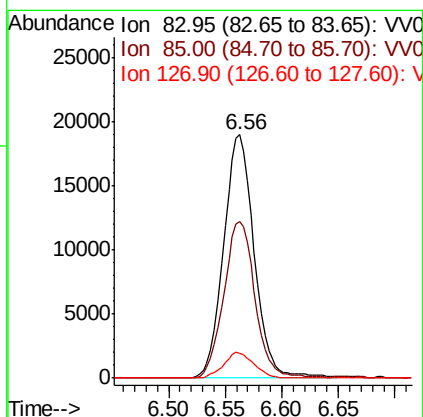
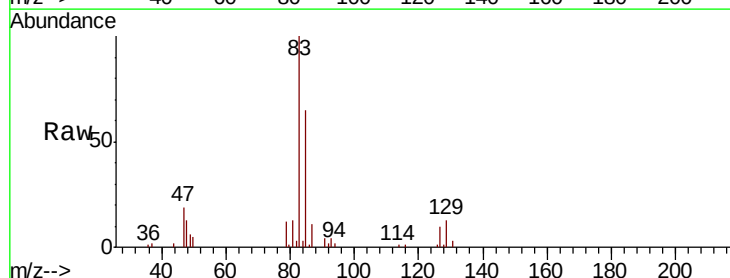
Instrument :
 MSVOA_W
 ClientSampled :
 VSTD00564

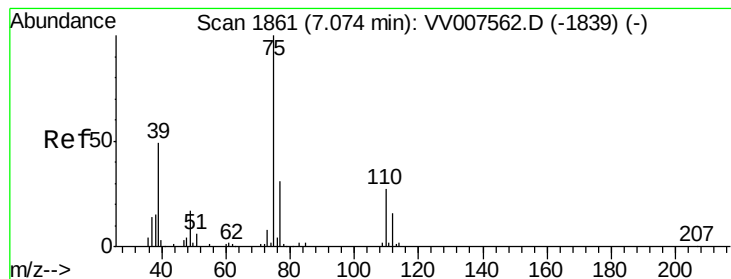
Tgt Ion: 63 Resp: 25836
 Ion Ratio Lower Upper
 63 100
 112 4.5 4.1 6.1



#38
 Bromodichloromethane
 Concen: 4.656 ug/L
 RT: 6.56 min Scan# 1702
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion: 83 Resp: 35667
 Ion Ratio Lower Upper
 83 100
 85 64.6 46.4 86.2
 127 10.4 8.4 12.6





#39

cis-1,3-Dichloropropene

Concen: 4.716 ug/L

RT: 7.08 min Scan# 1862

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

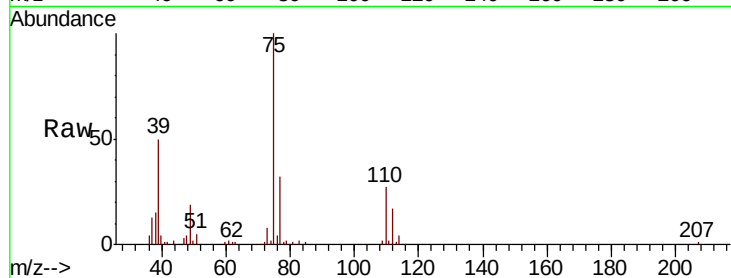
VSTD00564

Tgt Ion: 75 Resp: 39602

Ion Ratio Lower Upper

75 100

77 32.2 22.0 41.0



Abundance Ion 75.05 (74.75 to 75.75): VV007562.D (-1839) (-)

Ion 77.05 (76.75 to 77.75): VV007562.D (-1839) (-)

7.08

25000

20000

15000

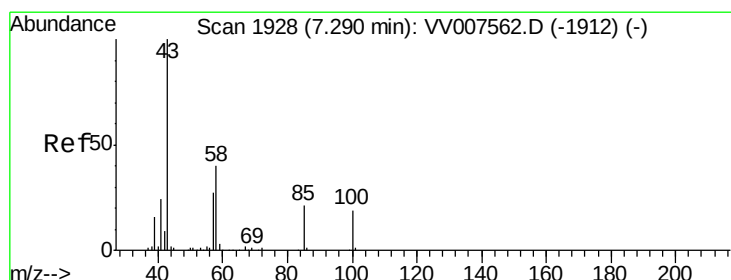
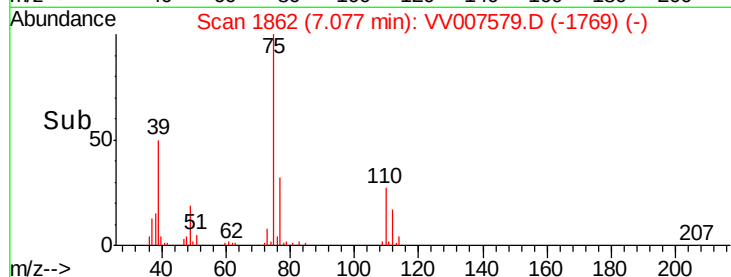
10000

5000

0

7.00 7.10 7.20

Time-->



#40

4-Methyl-2-pentanone

Concen: 49.933 ug/L

RT: 7.29 min Scan# 1928

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

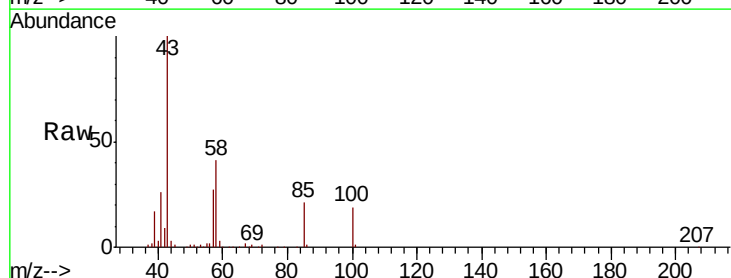
Tgt Ion: 43 Resp: 145623

Ion Ratio Lower Upper

43 100

58 41.0 32.6 49.0

100 16.2 13.5 20.3



Abundance Ion 43.05 (42.75 to 43.75): VV007562.D (-1912) (-)

Ion 58.05 (57.75 to 58.75): VV007562.D (-1912) (-)

Ion 100.15 (99.85 to 100.85): VV007562.D (-1912) (-)

7.29

80000

60000

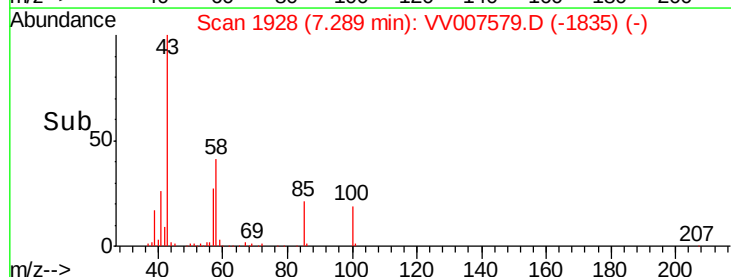
40000

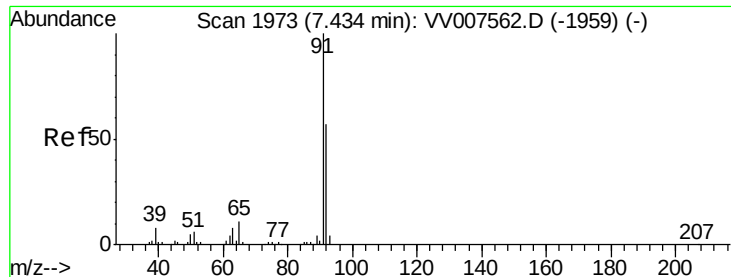
20000

0

7.20 7.30 7.40

Time-->





#42

Toluene

Concen: 5.080 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

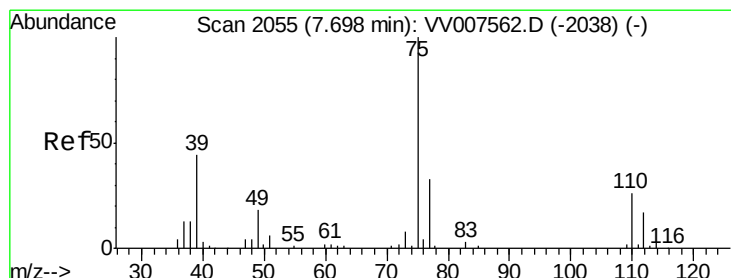
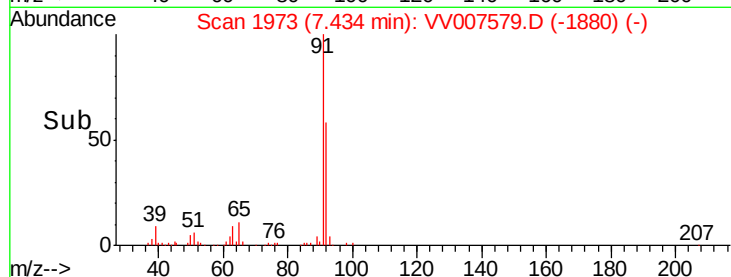
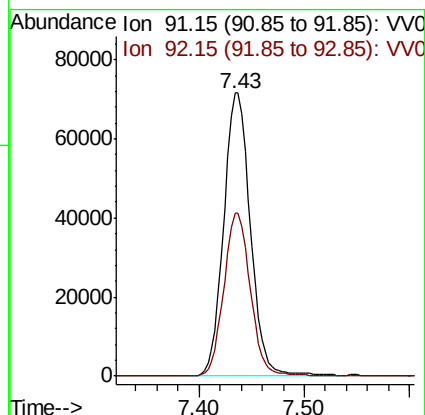
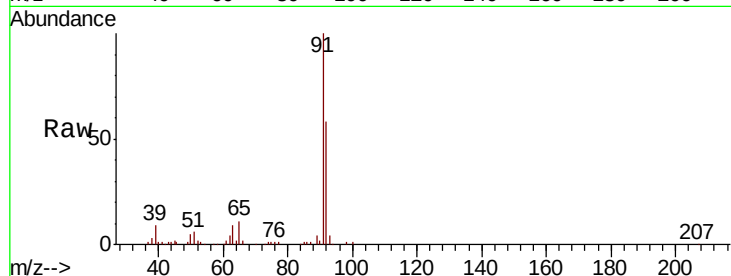
VSTD00564

Tgt Ion: 91 Resp: 125791

Ion Ratio Lower Upper

91 100

92 57.7 40.3 74.8



#44

trans-1,3-Dichloropropene

Concen: 4.734 ug/L

RT: 7.70 min Scan# 2055

Delta R.T. 0.00 min

Lab File: VV007579.D

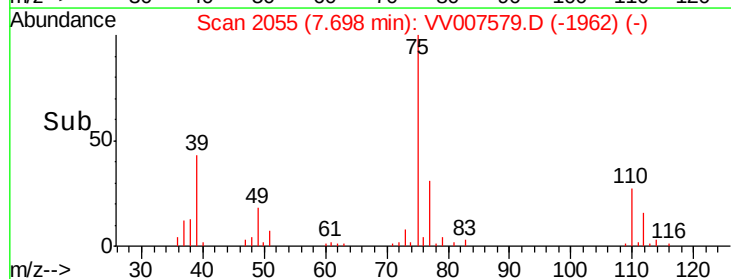
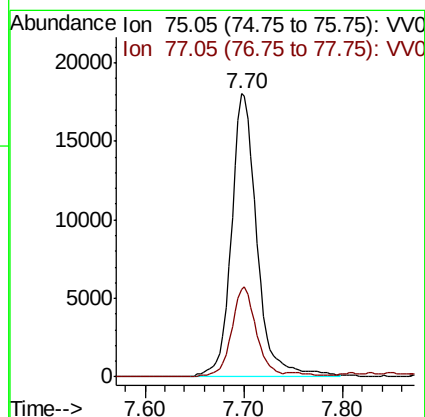
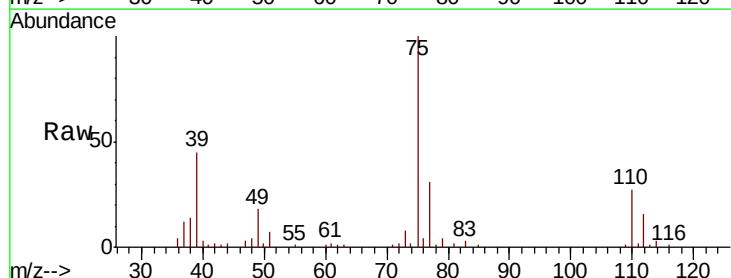
Acq: 15 Sep 2018 21:34

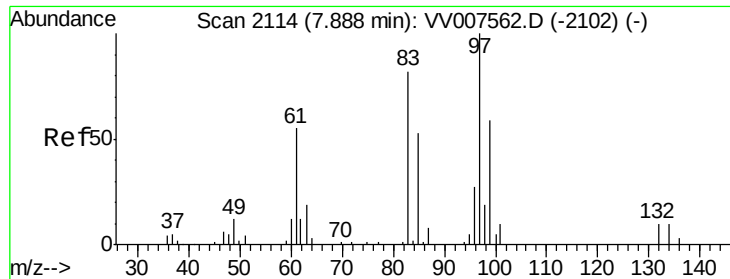
Tgt Ion: 75 Resp: 32708

Ion Ratio Lower Upper

75 100

77 30.9 23.4 43.4

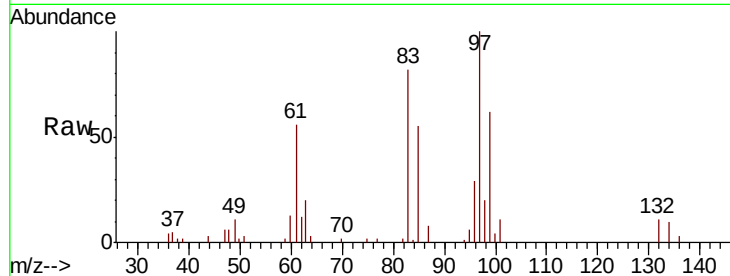




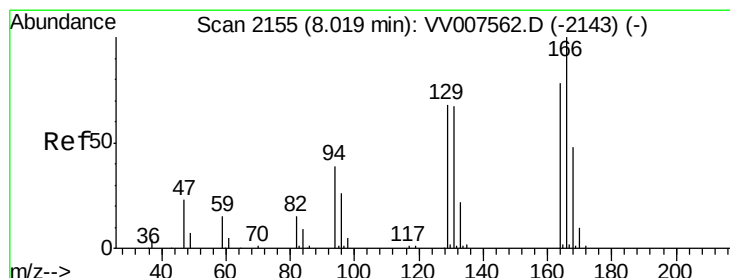
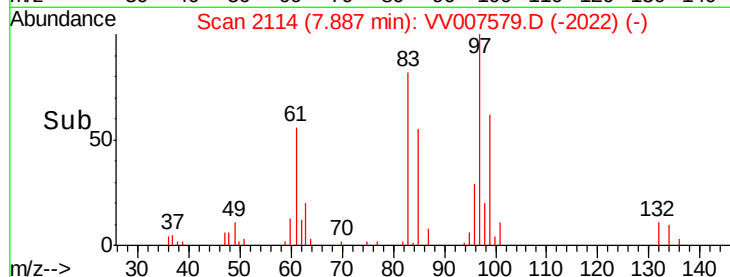
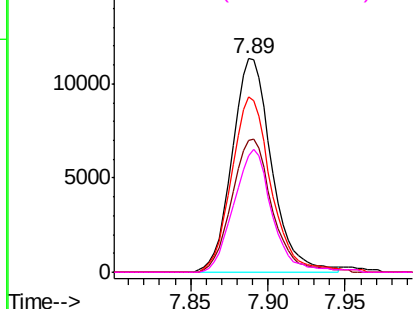
#45
 1,1,2-Trichloroethane
 Concen: 5.103 ug/L
 RT: 7.89 min Scan# 2114
 Delta R.T. -0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

Tgt Ion:	97	Resp:	20130
Ion	Ratio	Lower	Upper
97	100		
99	61.9	42.9	79.7
83	81.9	58.1	107.9
85	54.7	38.3	71.1

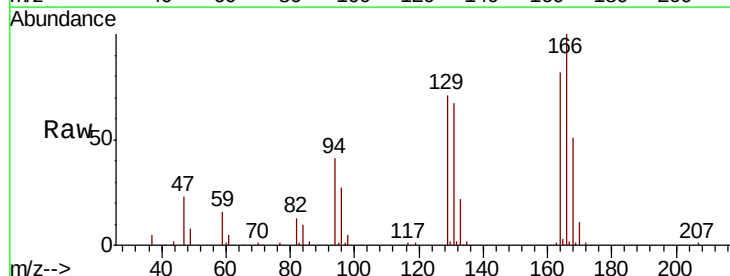


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

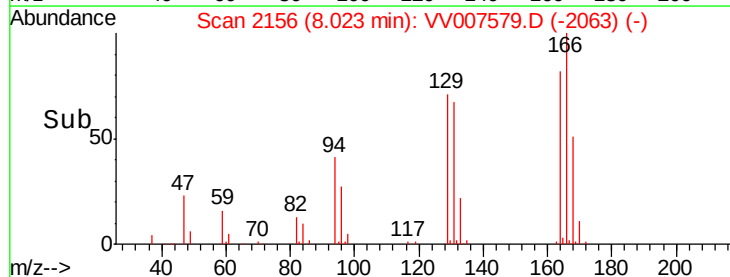
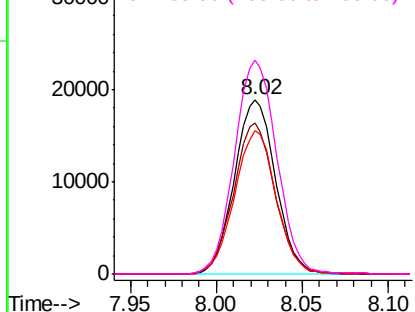


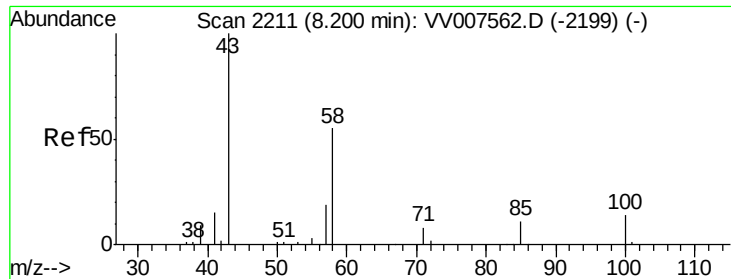
#47
 Tetrachloroethene
 Concen: 5.315 ug/L
 RT: 8.02 min Scan# 2156
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion:	164	Resp:	31377
Ion	Ratio	Lower	Upper
164	100		
129	86.4	61.9	115.1
131	81.8	62.1	115.3
166	122.3	90.4	167.8



Abundance Ion 163.90 (163.60 to 164.60): V
 Ion 128.95 (128.65 to 129.65): V
 Ion 130.95 (130.65 to 131.65): V
 Ion 165.90 (165.60 to 166.60): V

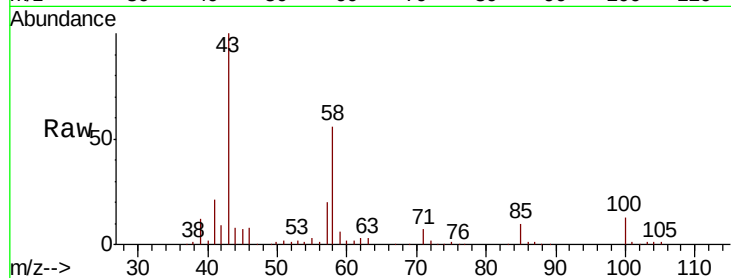




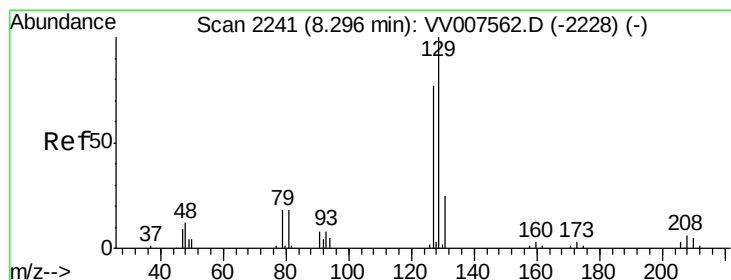
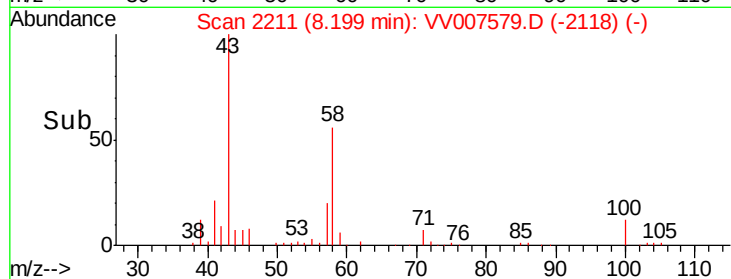
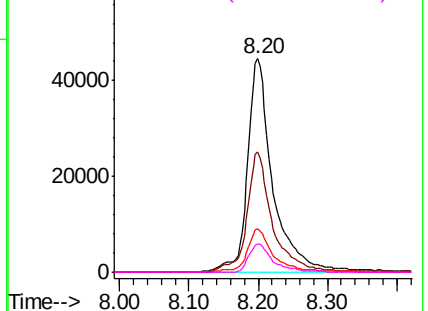
#48
2-Hexanone
Concen: 50.876 ug/L
RT: 8.20 min Scan# 2211
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

Instrument :
MSVOA_W
ClientSampleId :
VSTD00564

Tgt Ion: 43 Resp: 112644
Ion Ratio Lower Upper
43 100
58 57.0 49.8 74.6
57 21.0 18.2 27.4
100 12.4 11.0 16.4

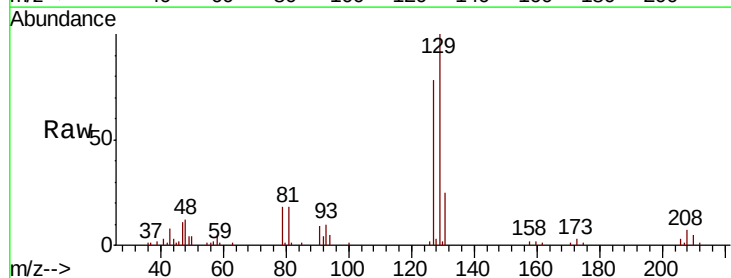


Abundance Ion 43.05 (42.75 to 43.75): VV007562.D (-2199) (-)
Ion 58.05 (57.75 to 58.75): VV007562.D (-2199) (-)
Ion 57.20 (56.90 to 57.90): VV007562.D (-2199) (-)
Ion 100.15 (99.85 to 100.85): VV007562.D (-2199) (-)

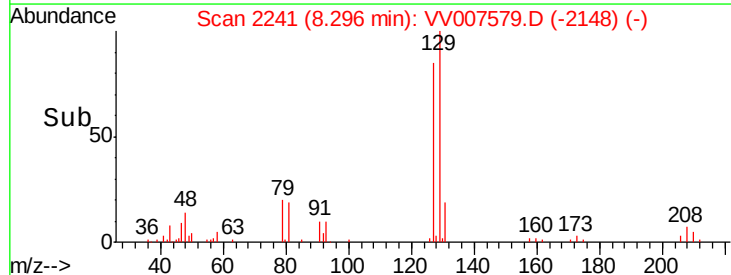
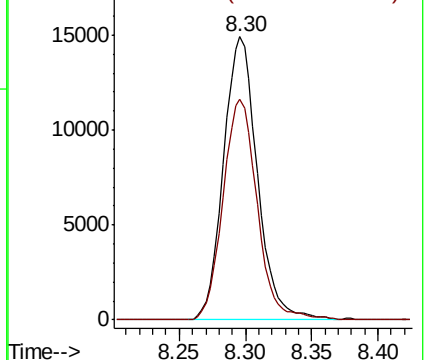


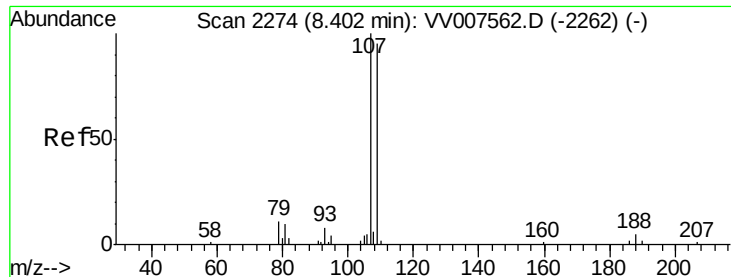
#49
Dibromochloromethane
Concen: 4.716 ug/L
RT: 8.30 min Scan# 2241
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

Tgt Ion: 129 Resp: 26476
Ion Ratio Lower Upper
129 100
127 78.1 53.8 100.0



Abundance Ion 128.95 (128.65 to 129.65): VV007562.D (-2228) (-)
Ion 126.90 (126.60 to 127.60): VV007562.D (-2228) (-)

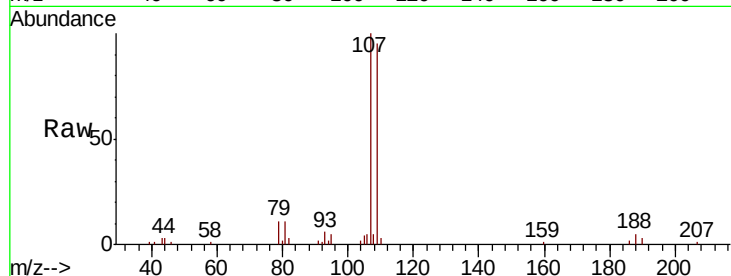




#50
 1,2-Dibromoethane
 Concen: 5.186 ug/L
 RT: 8.40 min Scan# 2274
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

Tgt Ion	Ratio	Lower	Upper
107	100		
109	95.5	66.0	122.6
188	5.0	3.3	4.9#

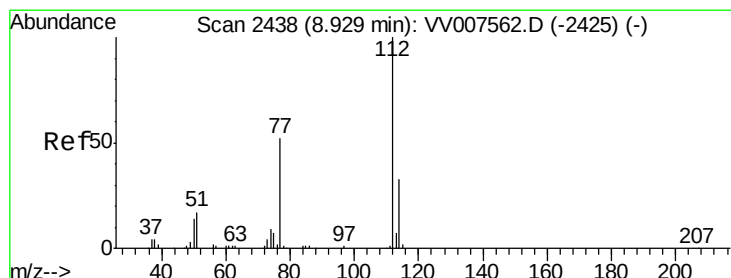
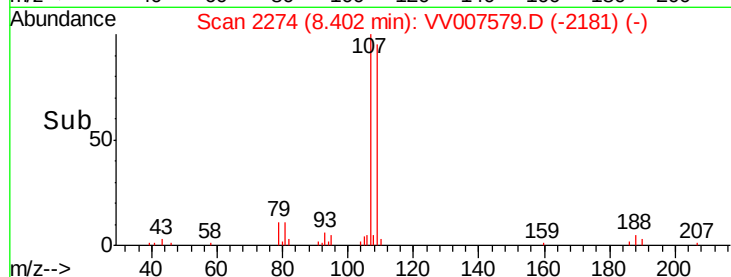
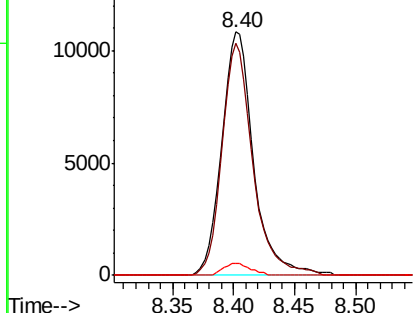


Abundance

Ion 106.95 (106.65 to 107.65): V

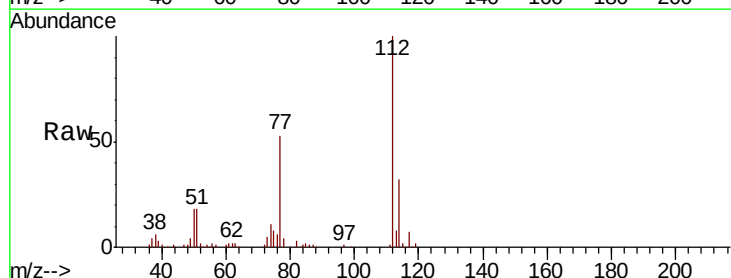
Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51
 Chlorobenzene
 Concen: 5.232 ug/L
 RT: 8.93 min Scan# 2438
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion	Ratio	Lower	Upper
112	100		
114	32.3	22.8	42.4
77	53.2	43.2	64.8

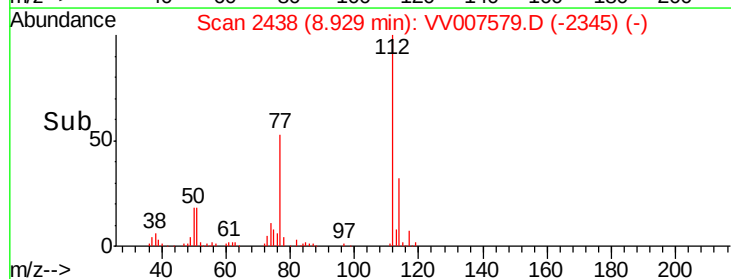
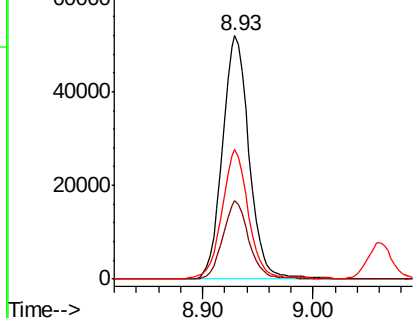


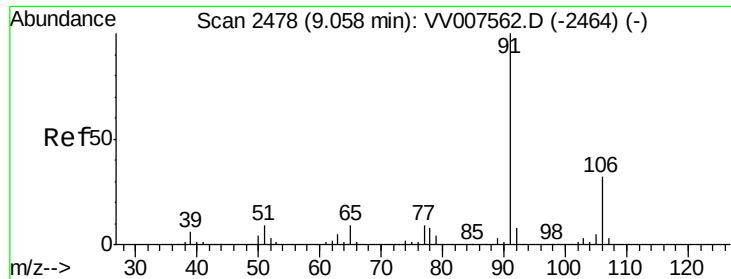
Abundance

Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.088 ug/L

RT: 9.06 min Scan# 2479

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

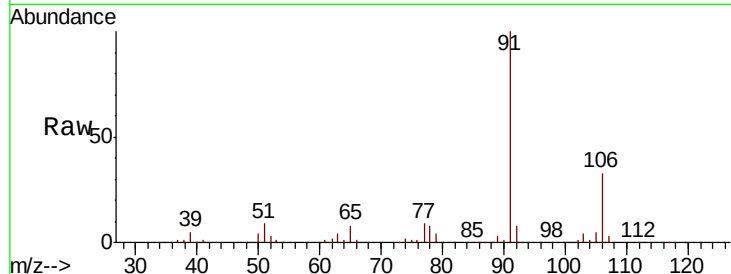
VSTD00564

Tgt Ion: 91 Resp: 141937

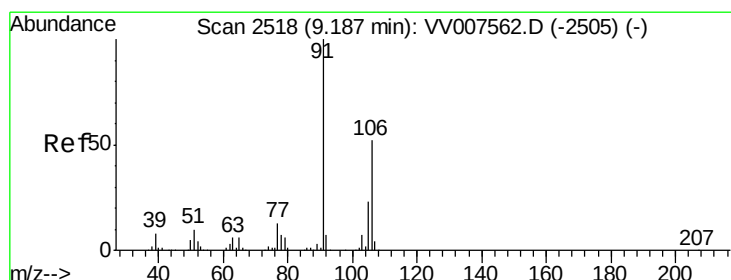
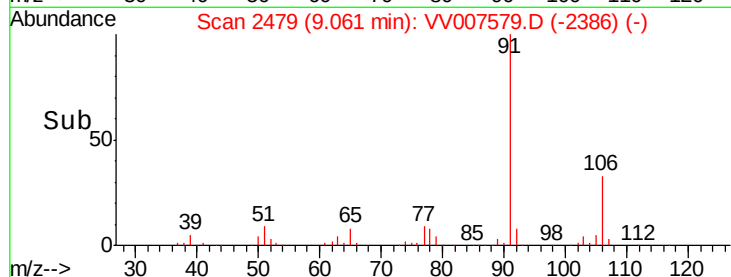
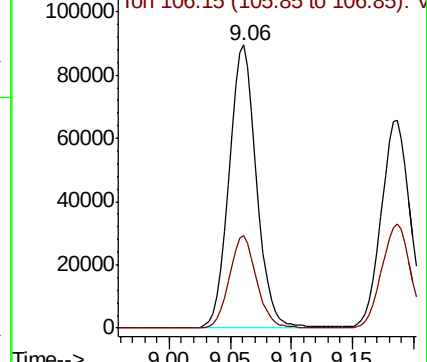
Ion Ratio Lower Upper

91 100

106 32.5 22.0 41.0



Abundance Ion 91.15 (90.85 to 91.85): VV007562.D (-2464) (-)



#53

m,p-xylene

Concen: 5.067 ug/L

RT: 9.19 min Scan# 2518

Delta R.T. 0.00 min

Lab File: VV007579.D

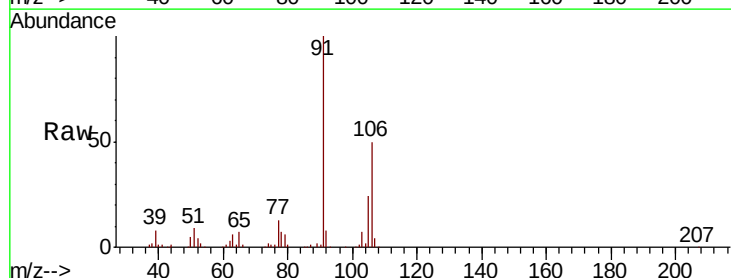
Acq: 15 Sep 2018 21:34

Tgt Ion: 106 Resp: 54754

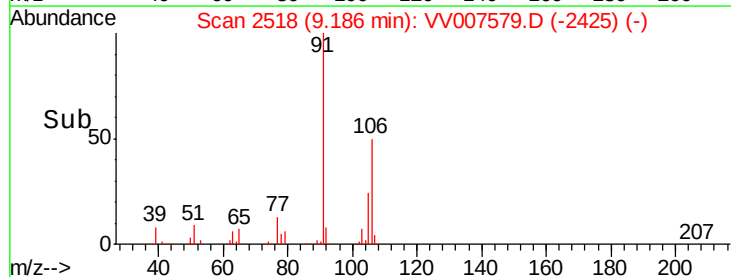
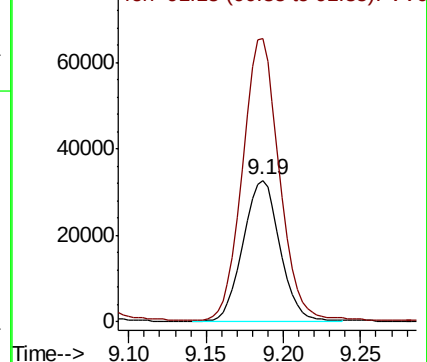
Ion Ratio Lower Upper

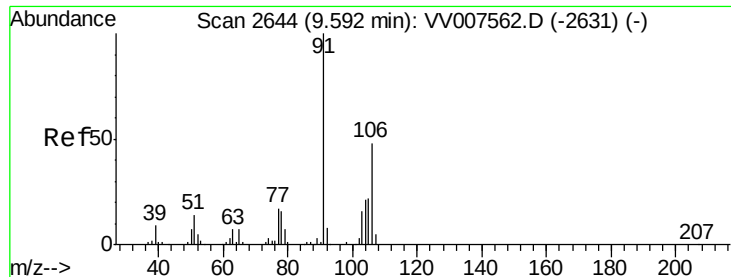
106 100

91 199.4 137.2 254.8



Abundance Ion 106.15 (105.85 to 106.85): VV007562.D (-2505) (-)

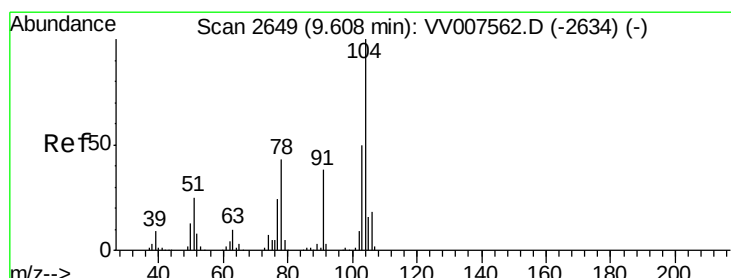
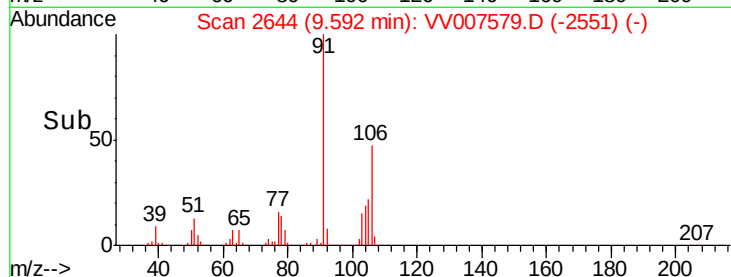
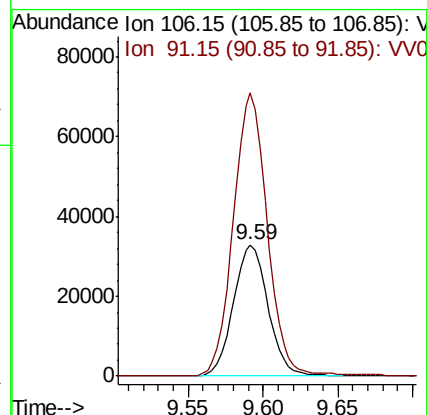
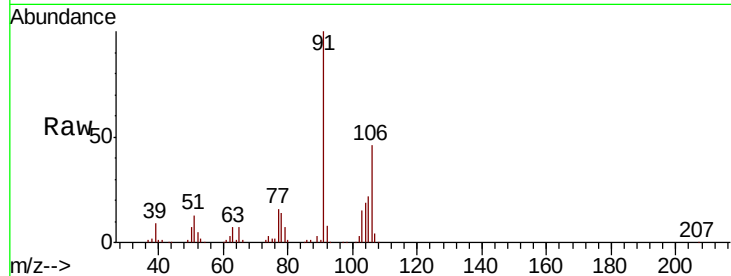




#54
o-xylene
Concen: 5.024 ug/L
RT: 9.59 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

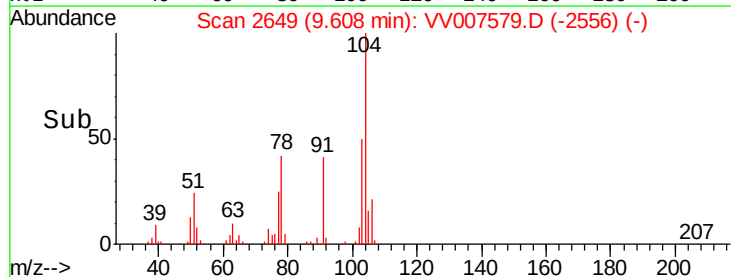
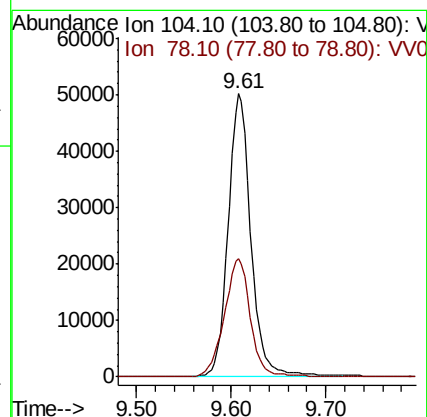
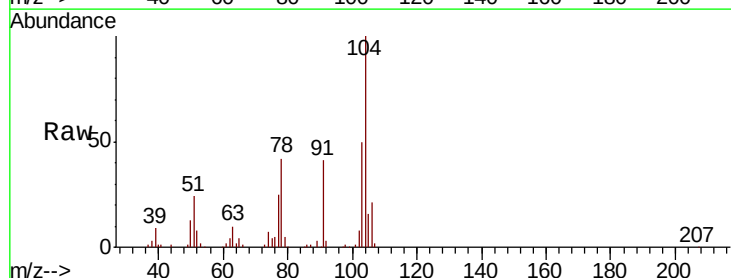
Instrument :
MSVOA_W
ClientSampleId :
VSTD00564

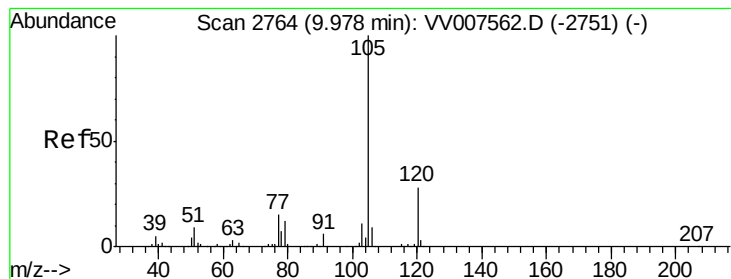
Tgt Ion:106 Resp: 53167
Ion Ratio Lower Upper
106 100
91 215.1 147.6 274.0



#55
Styrene
Concen: 4.880 ug/L
RT: 9.61 min Scan# 2649
Delta R.T. 0.00 min
Lab File: VV007579.D
Acq: 15 Sep 2018 21:34

Tgt Ion:104 Resp: 84132
Ion Ratio Lower Upper
104 100
78 41.7 29.5 54.7





#56

Isopropylbenzene

Concen: 5.058 ug/L

RT: 9.98 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00564

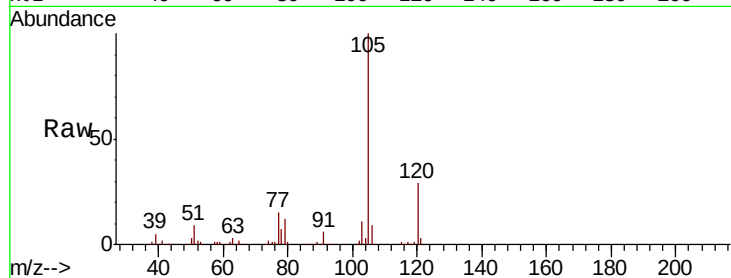
Tgt Ion: 105 Resp: 145340

Ion Ratio Lower Upper

105 100

120 28.0 22.2 33.2

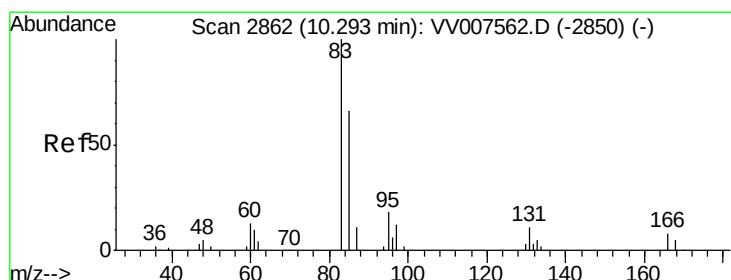
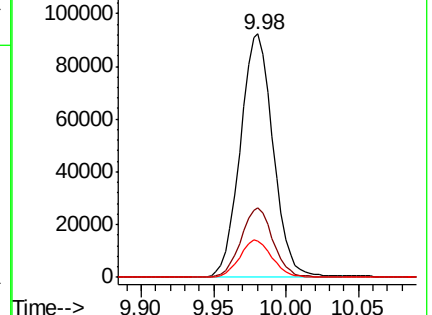
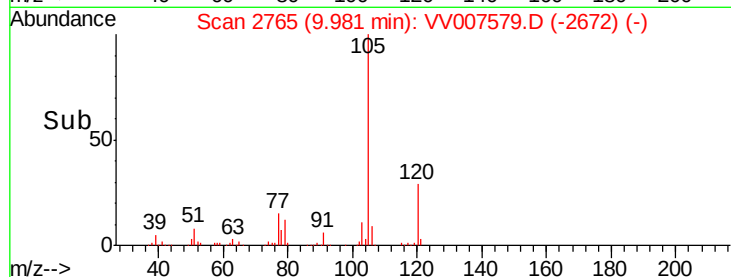
77 15.1 12.2 18.4



Abundance Ion 105.05 (104.75 to 105.75): V

Ion 120.10 (119.80 to 120.80): V

Ion 77.10 (76.80 to 77.80): V



#58

1,1,2,2-Tetrachloroethane

Concen: 4.903 ug/L

RT: 10.29 min Scan# 2862

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

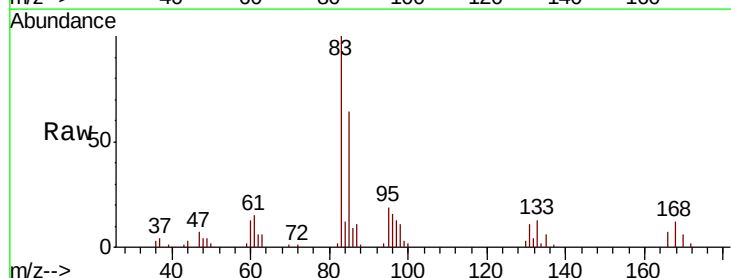
Tgt Ion: 83 Resp: 18942

Ion Ratio Lower Upper

83 100

85 64.5 43.6 81.0

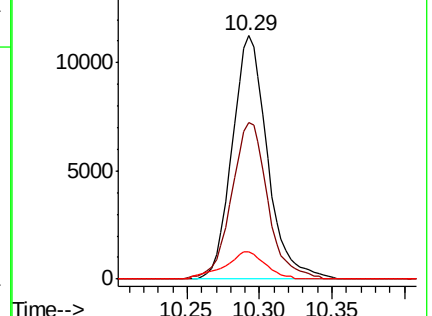
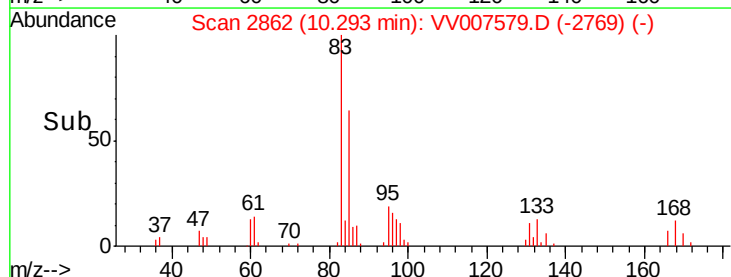
131 11.2 9.2 13.8

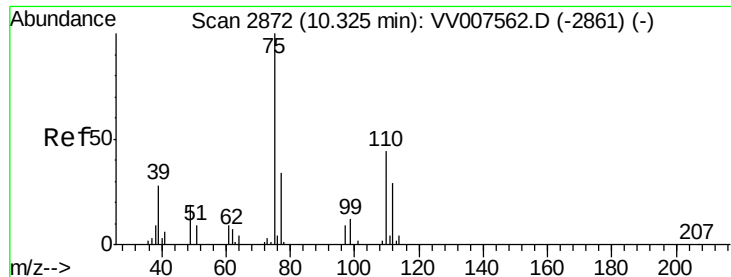


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 5.054 ug/L

RT: 10.32 min Scan# 2872

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampled :

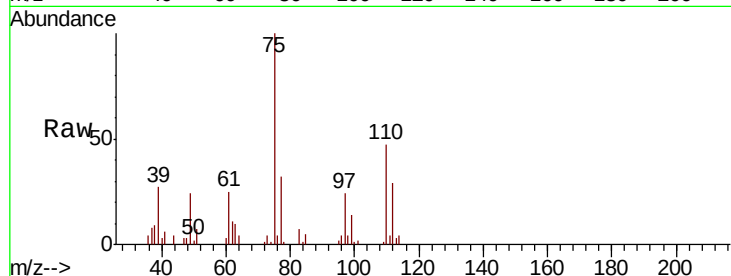
VSTD00564

Tgt Ion: 75 Resp: 16324

Ion Ratio Lower Upper

75 100

77 32.1 25.0 37.6

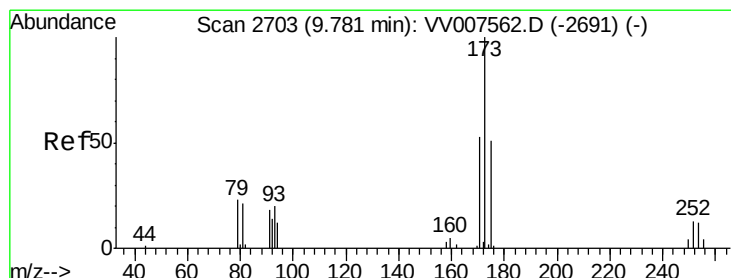
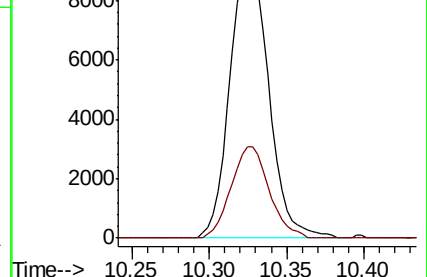
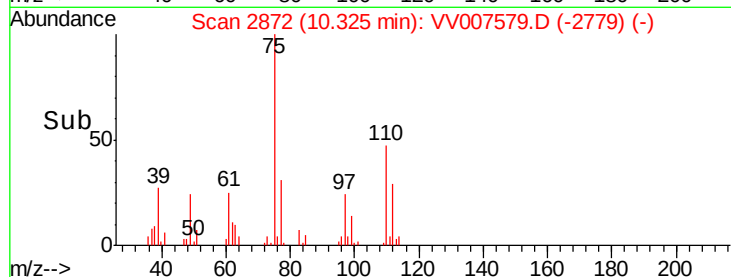


Abundance Ion 75.00 (74.70 to 75.70): VV007562.D (-2861) (-)

Ion 77.00 (76.70 to 77.70): VV007562.D (-2861) (-)

10.32

Time-->



#61

Bromoform

Concen: 4.628 ug/L

RT: 9.78 min Scan# 2703

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

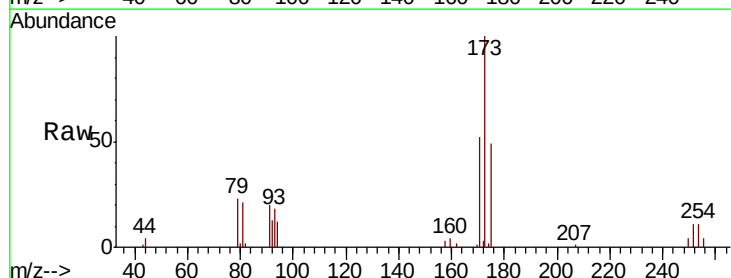
Tgt Ion: 173 Resp: 15506

Ion Ratio Lower Upper

173 100

175 48.4 37.9 56.9

254 10.8 8.8 13.2



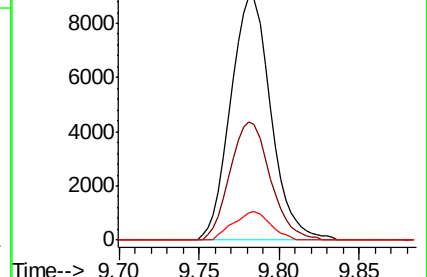
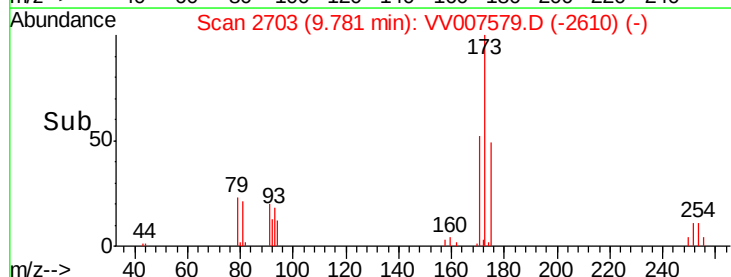
Abundance Ion 172.90 (172.60 to 173.60): VV007562.D (-2691) (-)

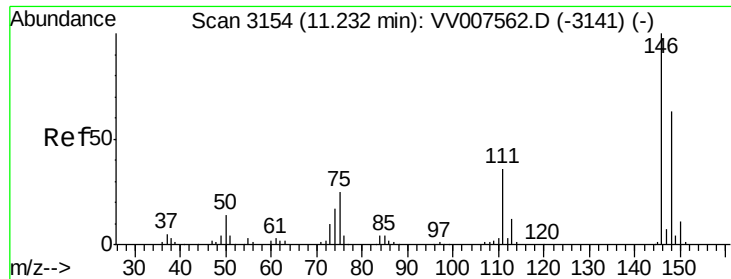
Ion 174.90 (174.60 to 175.60): VV007562.D (-2691) (-)

Ion 253.75 (253.45 to 254.45): VV007562.D (-2691) (-)

9.78

Time-->





#62

1,3-Dichlorobenzene

Concen: 5.239 ug/L

RT: 11.23 min Scan# 3154

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampled :

VSTD00564

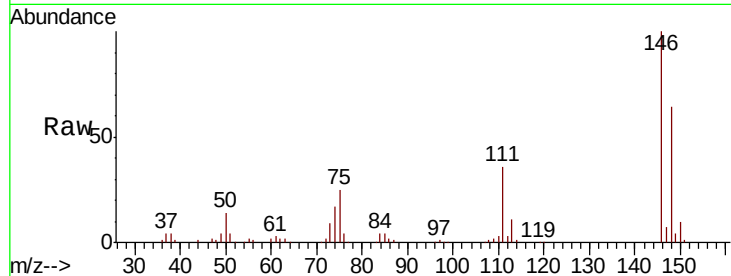
Tgt Ion:146 Resp: 74707

Ion Ratio Lower Upper

146 100

111 36.2 25.3 47.1

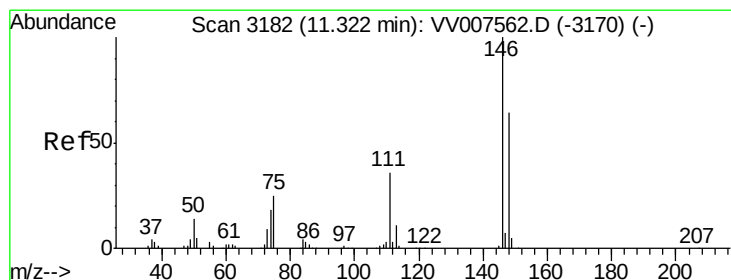
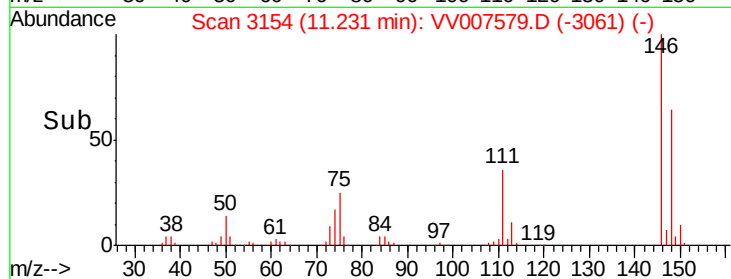
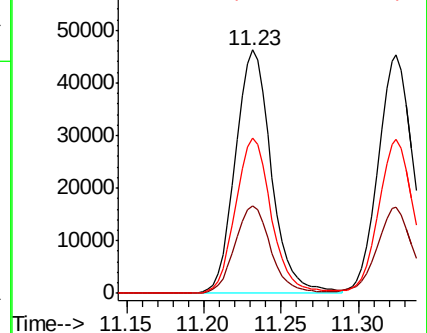
148 63.6 44.6 82.8



Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 5.184 ug/L

RT: 11.32 min Scan# 3183

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

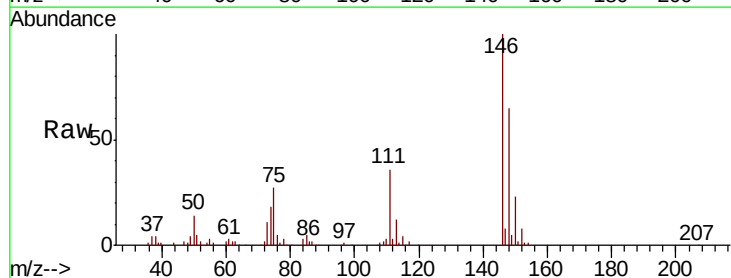
Tgt Ion:146 Resp: 73907

Ion Ratio Lower Upper

146 100

111 36.3 24.5 45.5

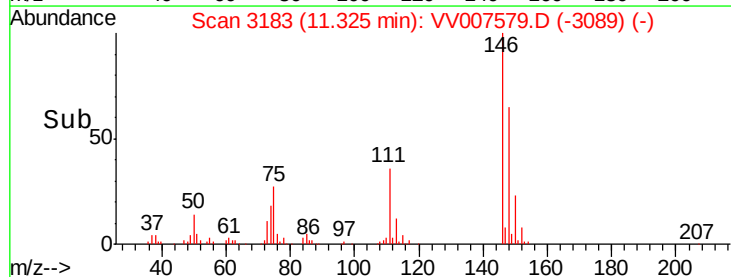
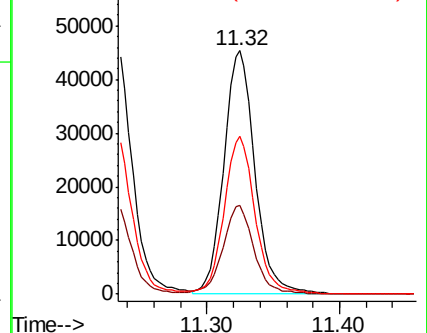
148 64.7 45.1 83.9

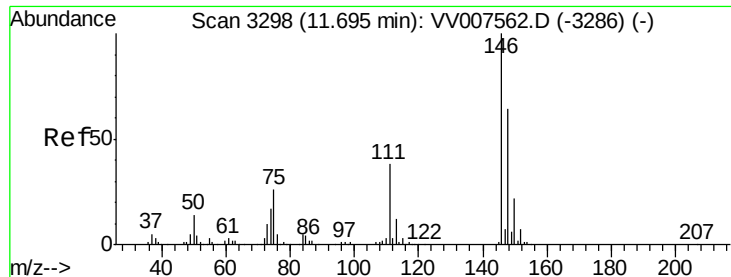


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

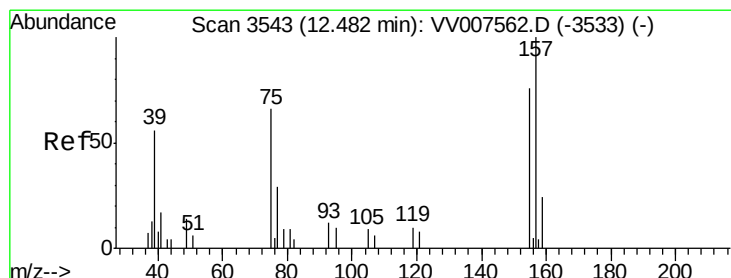
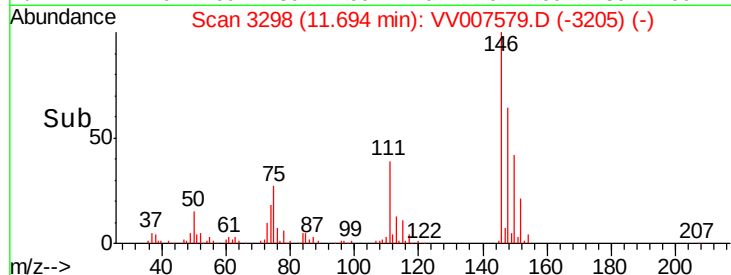
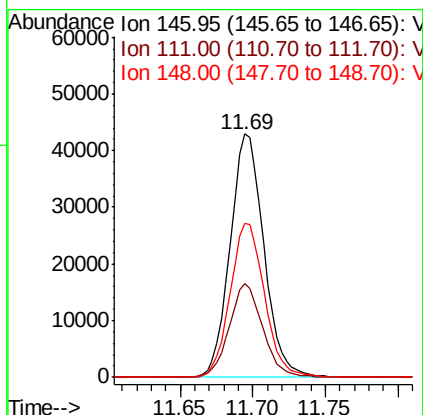
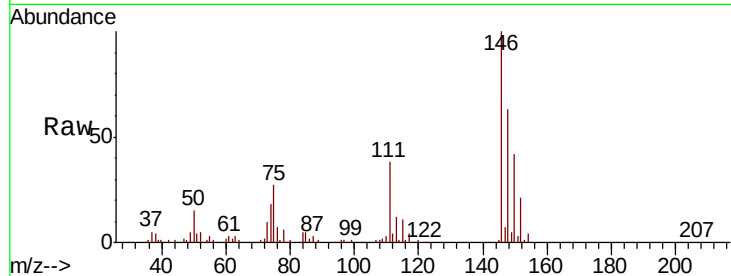




#65
 1,2-Dichlorobenzene
 Concen: 5.221 ug/L
 RT: 11.69 min Scan# 3298
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

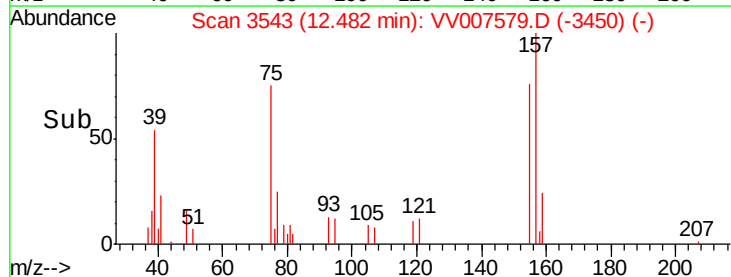
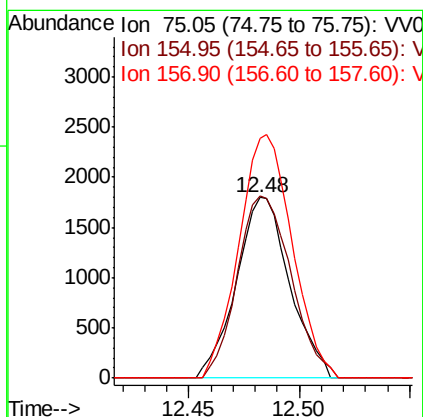
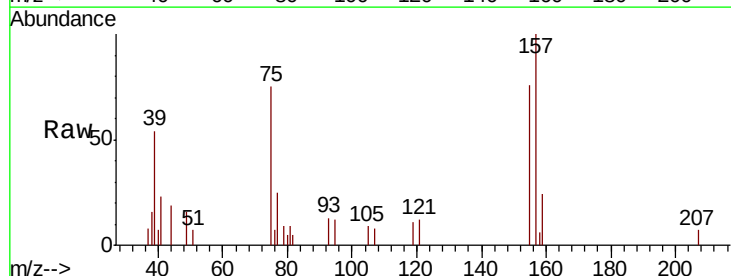
Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

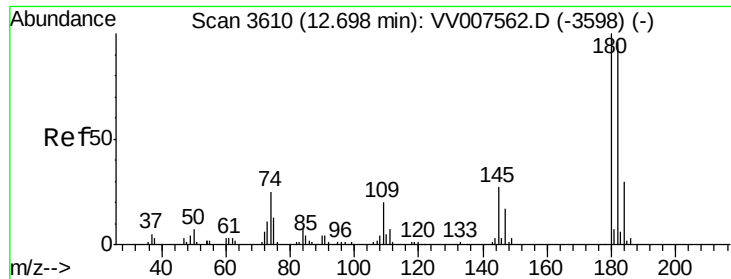
Tgt Ion:146 Resp: 69291
 Ion Ratio Lower Upper
 146 100
 111 38.4 32.7 49.1
 148 63.4 53.0 79.6



#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.418 ug/L
 RT: 12.48 min Scan# 3543
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion: 75 Resp: 3016
 Ion Ratio Lower Upper
 75 100
 155 101.1 74.6 111.8
 157 132.7 97.4 146.2

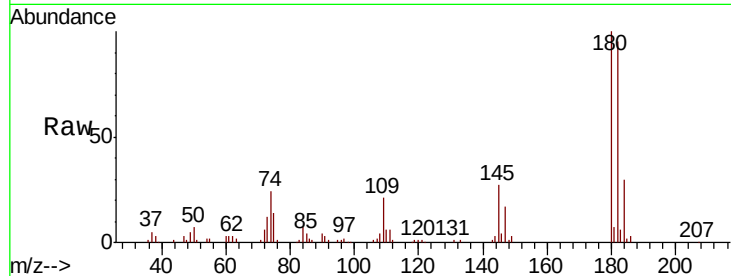




#67
 1,3,5-Trichlorobenzene
 Concen: 5.385 ug/L
 RT: 12.70 min Scan# 3610
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Instrument :
 MSVOA_W
 ClientSampleId :
 VSTD00564

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.1	114.1
184	30.3	24.0	36.0
145	27.9	22.6	34.0



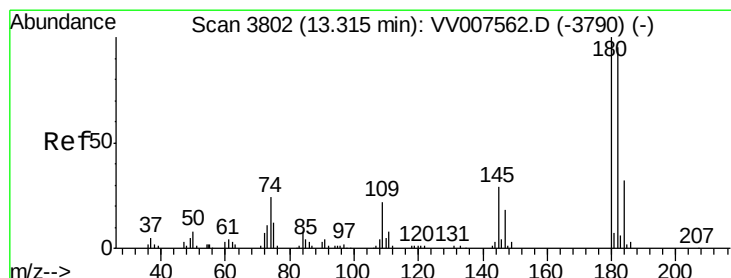
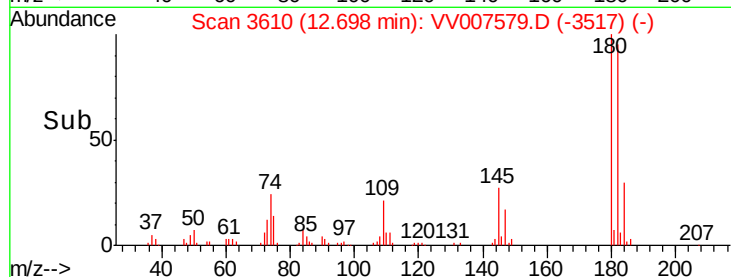
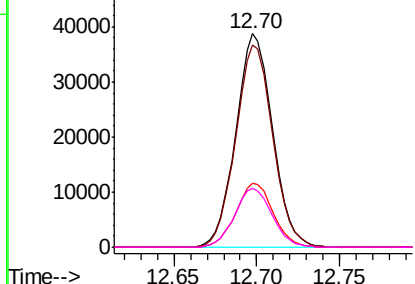
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

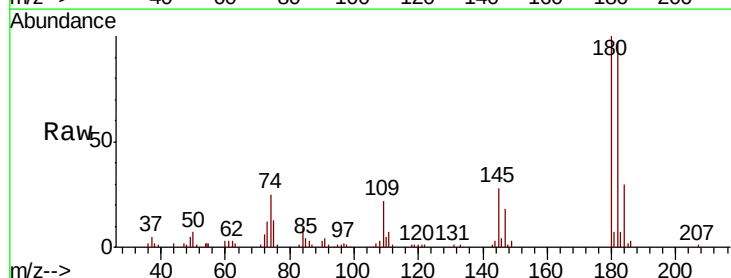
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 5.567 ug/L
 RT: 13.31 min Scan# 3802
 Delta R.T. 0.00 min
 Lab File: VV007579.D
 Acq: 15 Sep 2018 21:34

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	77.8	116.8
145	28.2	22.5	33.7

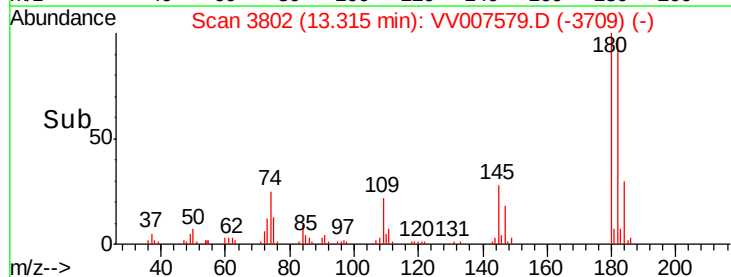
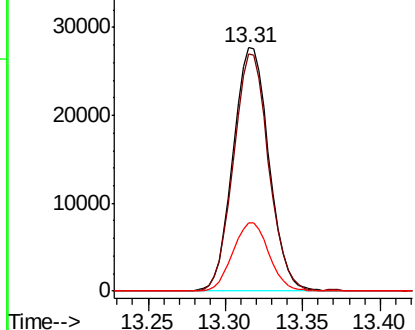


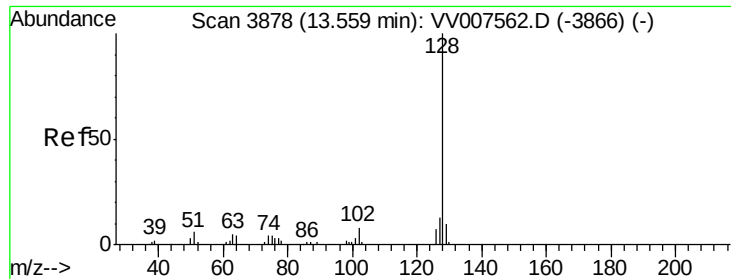
Abundance

Ion 179.90 (179.60 to 180.60): V

Ion 182.00 (181.70 to 182.70): V

Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 5.302 ug/L

RT: 13.56 min Scan# 3878

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

Instrument :

MSVOA_W

ClientSampleId :

VSTD00564

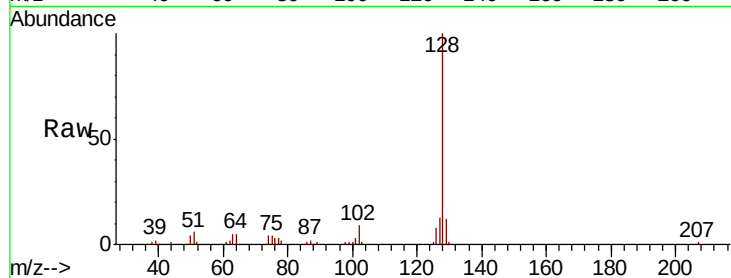
Tgt Ion:128 Resp: 51440

Ion Ratio Lower Upper

128 100

129 10.9 8.5 12.7

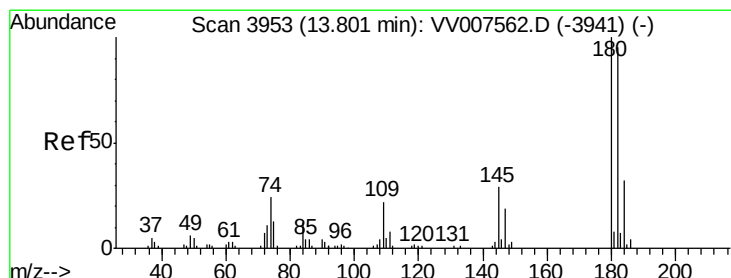
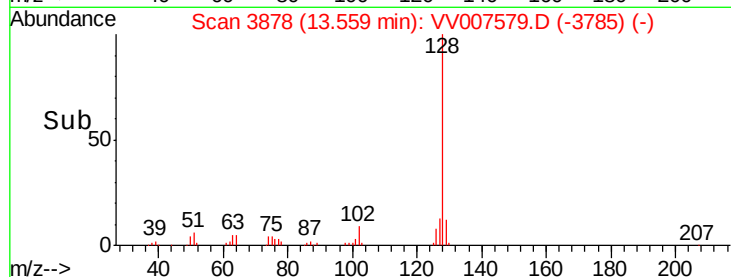
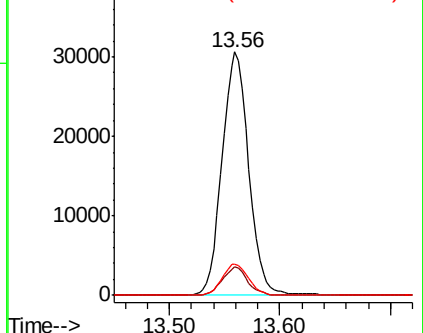
127 12.5 10.5 15.7



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.547 ug/L

RT: 13.80 min Scan# 3953

Delta R.T. 0.00 min

Lab File: VV007579.D

Acq: 15 Sep 2018 21:34

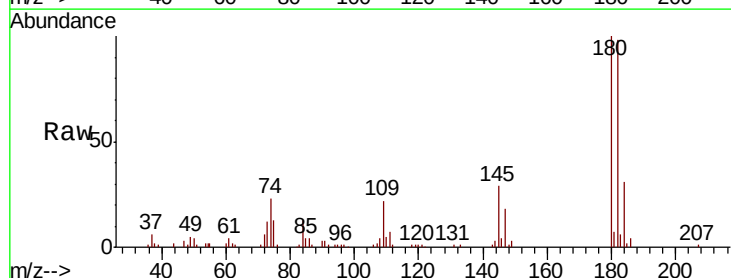
Tgt Ion:180 Resp: 40533

Ion Ratio Lower Upper

180 100

182 98.3 75.5 113.3

145 29.1 23.4 35.0



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

