

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
 Data File : VV007222.D
 Acq On : 28 Aug 2018 11:53
 Operator : SY/MD
 Sample : VSTD0.576
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

Quant Time: Aug 29 00:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 00:40:11 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	266826	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	263727	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	110341	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	9506	0.51	ug/L	0.00
7) Chloroethane-d5	1.58	69	8263	0.55	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	17885	0.53	ug/L	0.00
20) 2-Butanone-d5	3.97	46	7363	1.69	ug/L	0.00
24) Chloroform-d	4.40	84	19182	0.51	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	9214	0.51	ug/L	0.00
32) Benzene-d6	5.10	84	34747	0.47	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	12519	0.52	ug/L	0.00
41) Toluene-d8	7.37	98	27545	0.42	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	4076	0.49	ug/L	0.00
46) 2-Hexanone-d5	8.15	63	5198	2.13	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	8701	0.49	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	11007	0.53	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	10529	0.466 ug/L	98
3) Chloromethane	1.25	50	12639	0.511 ug/L	99
5) Vinyl chloride	1.32	62	11164	0.484 ug/L	96
6) Bromomethane	1.54	94	4222	0.550 ug/L	96
8) Chloroethane	1.60	64	7066	0.498 ug/L	97
9) Trichlorofluoromethane	1.77	101	15495	0.496 ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	9487	0.485 ug/L	96
12) 1,1-Dichloroethene	2.14	96	8832	0.484 ug/L	88
13) Acetone	2.21	43	9420	3.655 ug/L	84
14) Carbon disulfide	2.32	76	27889	0.533 ug/L	# 94
15) Methyl Acetate	2.47	43	3331	0.503 ug/L	90
16) Methylene chloride	2.54	84	14376	0.669 ug/L	97
17) Methyl tert-butyl Ether	2.82	73	21630	0.490 ug/L	97
18) trans-1,2-Dichloroethene	2.79	96	10332	0.521 ug/L	98
19) 1,1-Dichloroethane	3.23	63	20315	0.542 ug/L	98
21) 2-Butanone	4.06	43	17626	3.421 ug/L	77
22) cis-1,2-Dichloroethene	3.97	96	11178	0.509 ug/L	89
23) Bromochloromethane	4.31	128	4902	0.487 ug/L	91
25) Chloroform	4.43	83	19288	0.483 ug/L	96
27) 1,2-Dichloroethane	5.19	62	10673	0.470 ug/L	97
29) 1,1,1-Trichloroethane	4.66	97	16951	0.498 ug/L	96
30) Cyclohexane	4.72	56	13125	0.434 ug/L	97
31) Carbon tetrachloride	4.87	117	13362	0.469 ug/L	97
33) Benzene	5.15	78	38776	0.449 ug/L	100
34) Trichloroethene	5.96	95	10349	0.496 ug/L	93
35) Methylcyclohexane	6.18	83	12772	0.411 ug/L	96
37) 1,2-Dichloropropane	6.23	63	11189	0.480 ug/L	99
38) Bromodichloromethane	6.56	83	12789	0.472 ug/L	96
39) cis-1,3-Dichloropropene	7.07	75	11909	0.430 ug/L	96
40) 4-Methyl-2-pentanone	7.29	43	45917	3.988 ug/L	94

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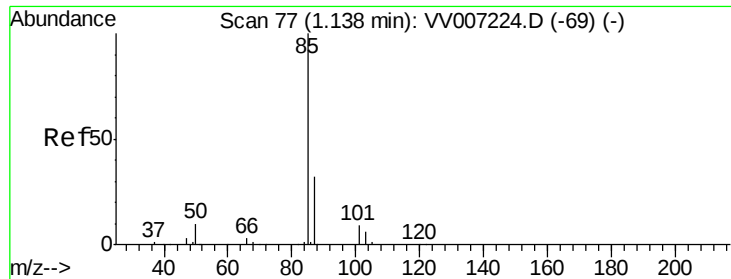
Instrument :
 MSVOA_V
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Quant Time: Aug 29 00:40:46 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
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 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

42) Toluene	7.44	91	34287	0.414	ug/L	95
44) trans-1,3-Dichloropropene	7.70	75	9961	0.432	ug/L	91
45) 1,1,2-Trichloroethane	7.89	97	7315	0.463	ug/L	98
47) Tetrachloroethene	8.02	164	8377	0.480	ug/L	95
48) 2-Hexanone	8.20	43	33244	3.857	ug/L	94
49) Dibromochloromethane	8.30	129	8497	0.489	ug/L	95
50) 1,2-Dibromoethane	8.40	107	6036	0.454	ug/L	93
51) Chlorobenzene	8.93	112	26246	0.477	ug/L	97
52) Ethylbenzene	9.06	91	35648	0.436	ug/L	97
53) m,p-xylene	9.19	106	11894	0.385	ug/L	94
54) o-xylene	9.59	106	11400	0.387	ug/L	94
55) Styrene	9.61	104	18502	0.366	ug/L	99
56) Isopropylbenzene	9.98	105	30678	0.397	ug/L	98
58) 1,1,2,2-Tetrachloroethane	10.29	83	8444	0.454	ug/L #	97
59) 1,2,3-Trichloropropane	10.33	75	6439	0.478	ug/L	99
61) Bromoform	9.78	173	4392	0.500	ug/L	92
62) 1,3-Dichlorobenzene	11.23	146	18324	0.520	ug/L	97
63) 1,4-Dichlorobenzene	11.33	146	18867	0.507	ug/L	96
65) 1,2-Dichlorobenzene	11.70	146	16919	0.479	ug/L	94
66) 1,2-Dibromo-3-chloropropan	12.48	75	872	0.432	ug/L #	80
67) 1,3,5-Trichlorobenzene	12.70	180	11846	0.450	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	6818	0.386	ug/L	96
69) Naphthalene	13.57	128	8033	0.349	ug/L	97
70) 1,2,3-Trichlorobenzene	13.80	180	7042	0.411	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 0.466 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

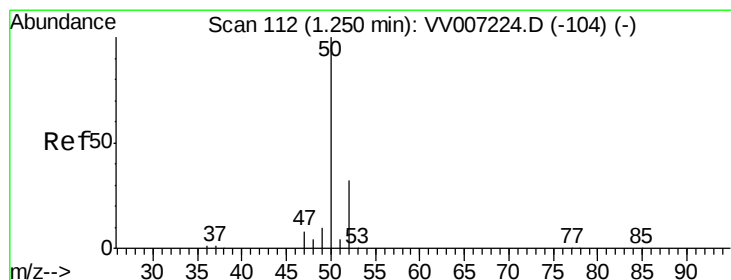
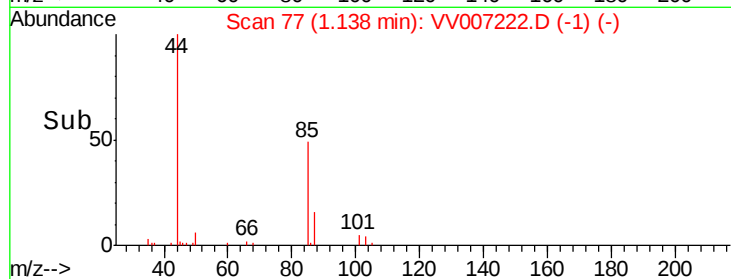
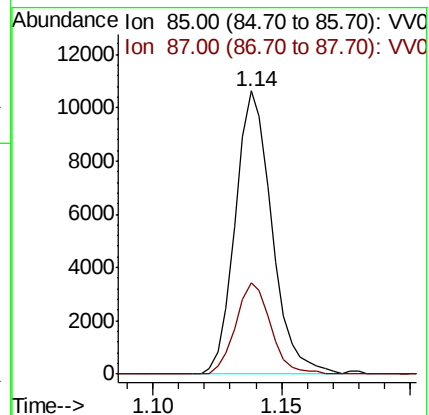
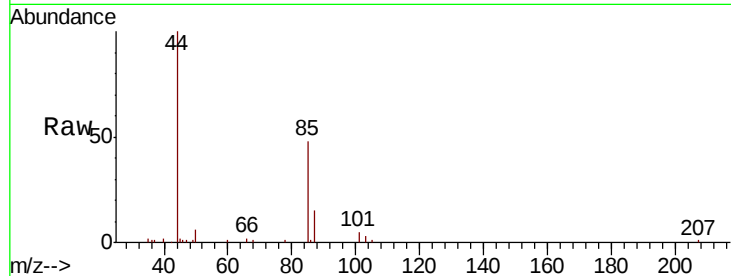
VSTD0.576

Tgt Ion: 85 Resp: 10529

Ion Ratio Lower Upper

85 100

87 30.8 25.7 38.5



#3

Chloromethane

Concen: 0.511 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007222.D

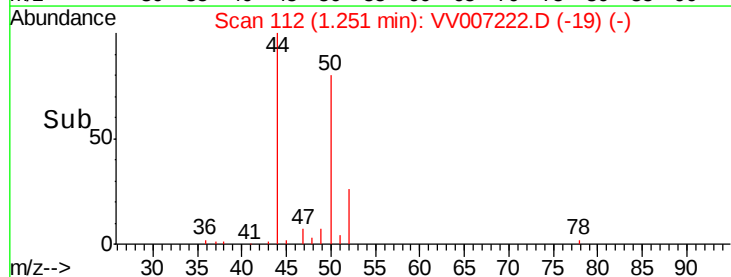
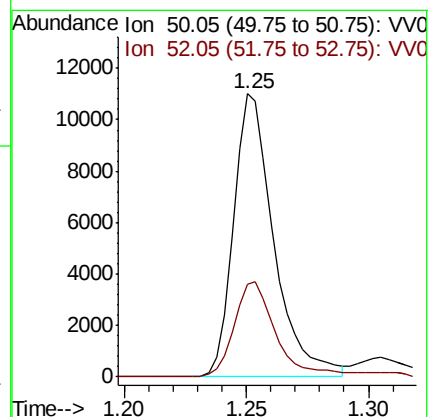
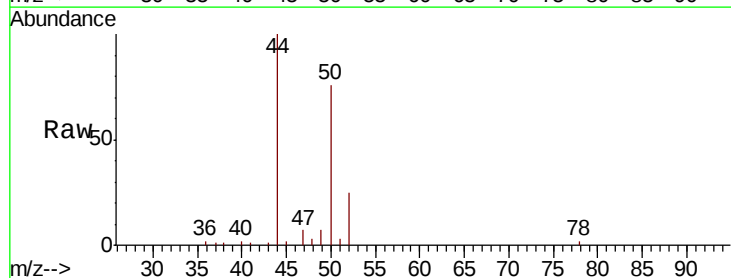
Acq: 28 Aug 2018 11:53

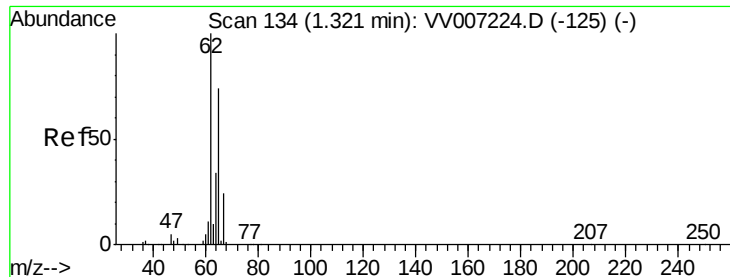
Tgt Ion: 50 Resp: 12639

Ion Ratio Lower Upper

50 100

52 32.9 22.5 41.9





#5

Vinyl chloride

Concen: 0.484 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

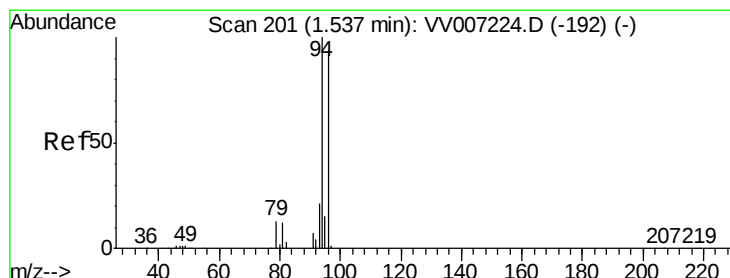
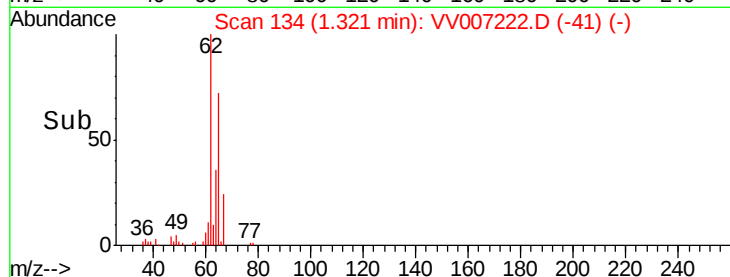
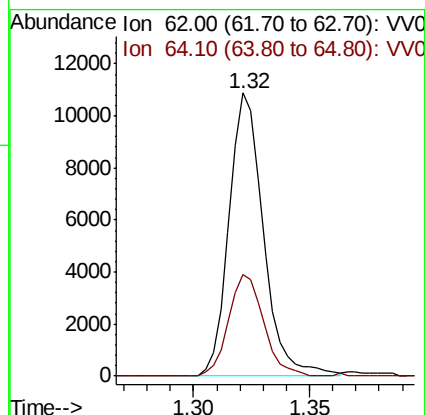
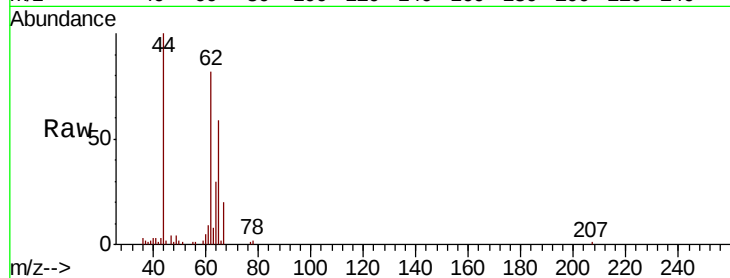
VSTD0.576

Tgt Ion: 62 Resp: 11164

Ion Ratio Lower Upper

62 100

64 35.9 23.6 43.8



#6

Bromomethane

Concen: 0.550 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007222.D

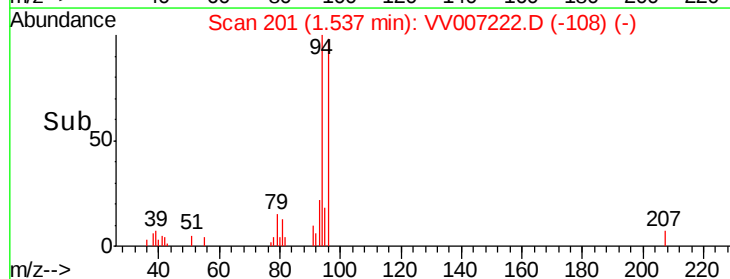
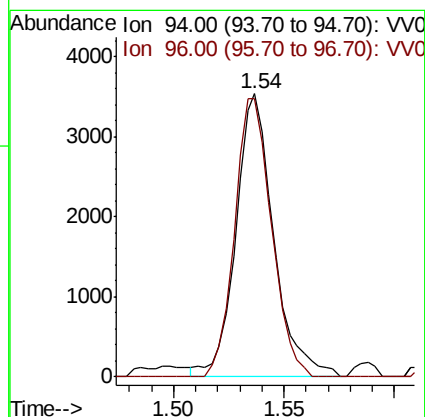
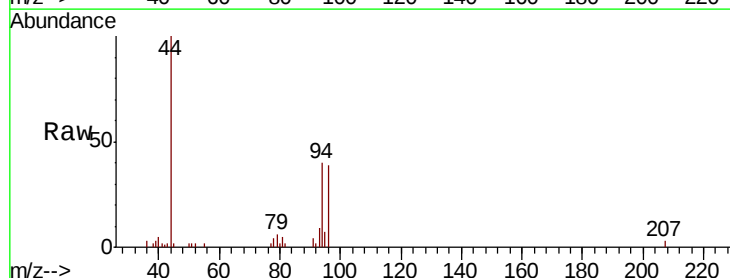
Acq: 28 Aug 2018 11:53

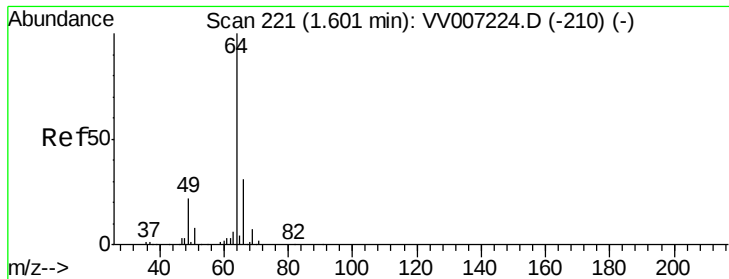
Tgt Ion: 94 Resp: 4222

Ion Ratio Lower Upper

94 100

96 98.3 65.8 122.2





#8

Chloroethane

Concen: 0.498 ug/L

RT: 1.60 min Scan# 221

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

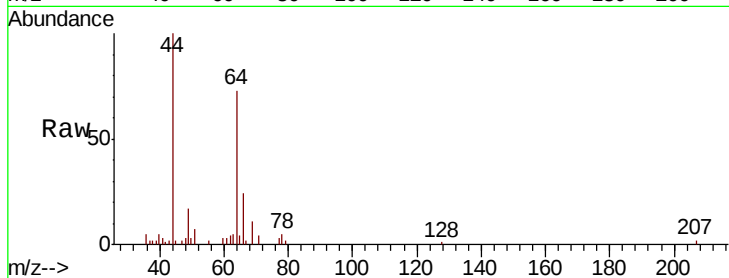
VSTD0.576

Tgt Ion: 64 Resp: 7066

Ion Ratio Lower Upper

64 100

66 33.3 22.2 41.2



Abundance Ion 64.10 (63.80 to 64.80): VV007222.D (-128) (-)

Ion 66.05 (65.75 to 66.75): VV007222.D (-128) (-)

1.60

6000

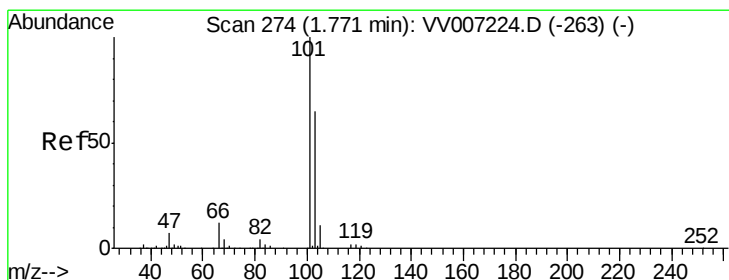
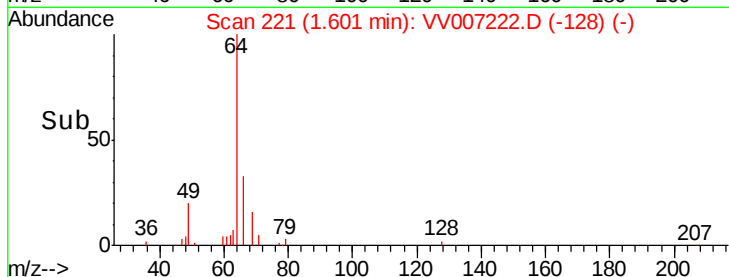
4000

2000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 0.496 ug/L

RT: 1.77 min Scan# 274

Delta R.T. 0.00 min

Lab File: VV007222.D

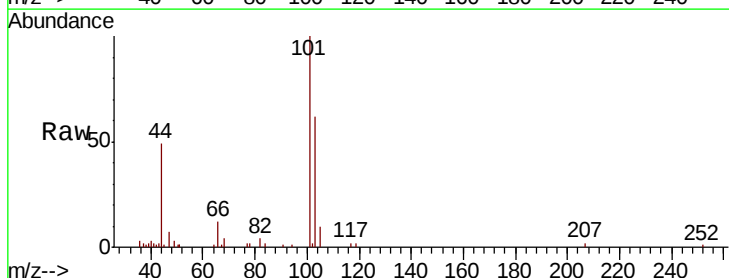
Acq: 28 Aug 2018 11:53

Tgt Ion: 101 Resp: 15495

Ion Ratio Lower Upper

101 100

103 64.1 51.9 77.9



Abundance Ion 101.00 (100.70 to 101.70): VV007222.D (-181) (-)

Ion 103.00 (102.70 to 103.70): VV007222.D (-181) (-)

1.77

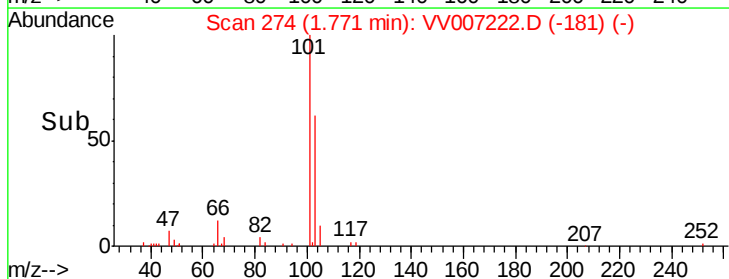
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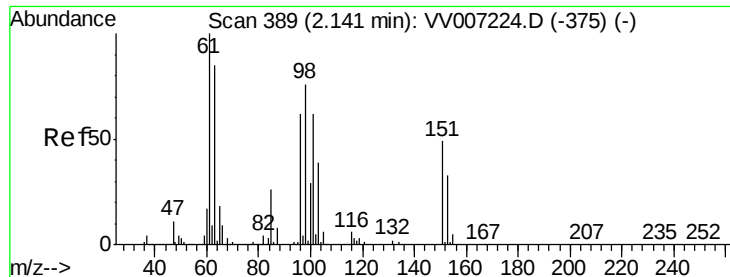
5000

0

1.75 1.80

Time-->





#10

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

Concen: 0.485 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

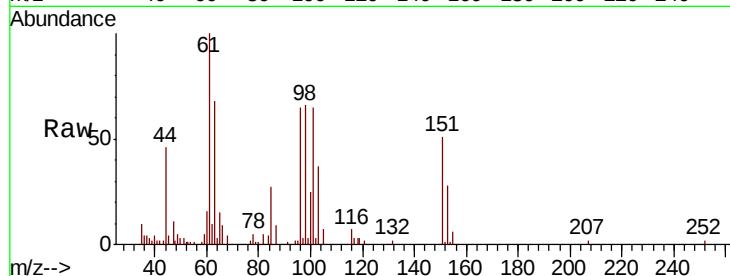
Tgt Ion:101 Resp: 9487

Ion Ratio Lower Upper

101 100

85 43.5 33.2 49.8

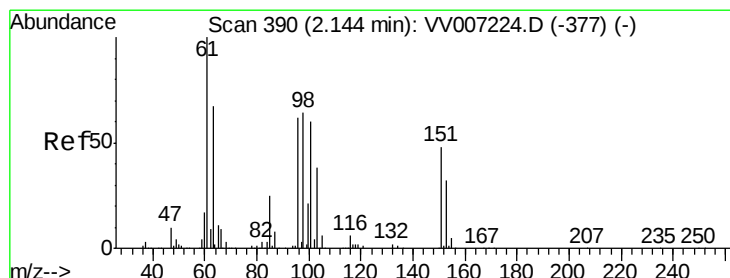
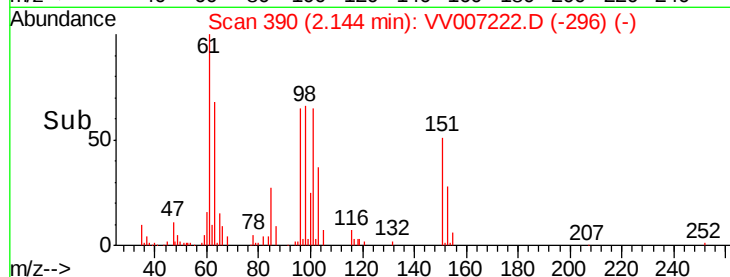
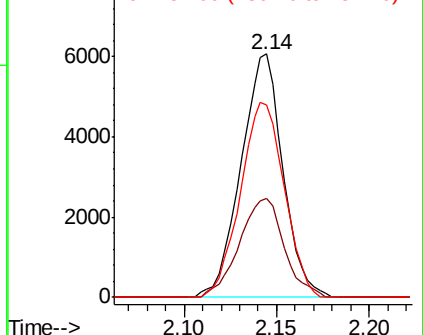
151 83.7 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): V

Ion 85.00 (84.70 to 85.70): VV0

Ion 151.00 (150.70 to 151.70): V



#12

1,1-Dichloroethene

Concen: 0.484 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

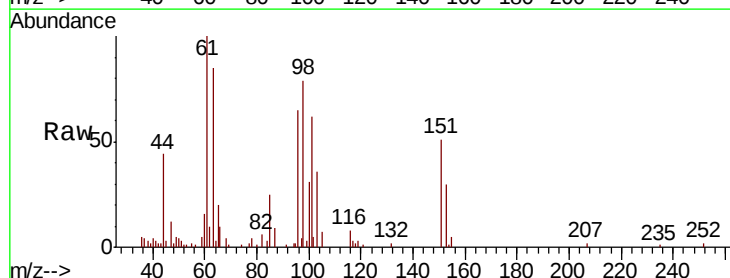
Tgt Ion: 96 Resp: 8832

Ion Ratio Lower Upper

96 100

61 153.4 112.3 208.5

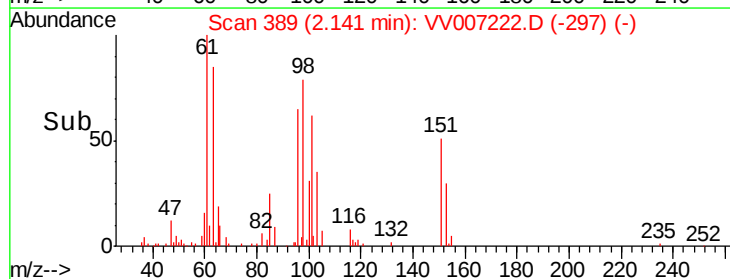
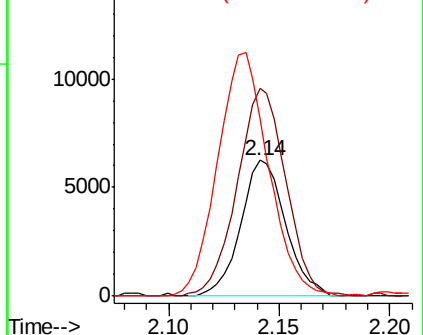
63 130.6 75.4 140.0

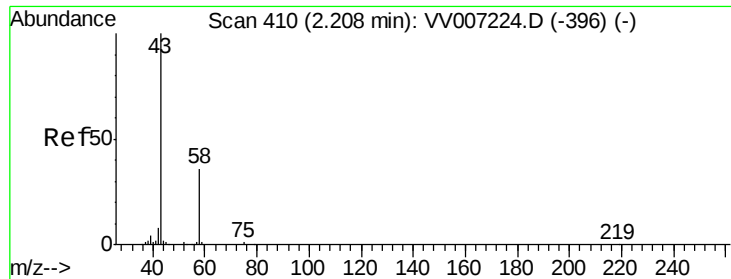


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 3.655 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

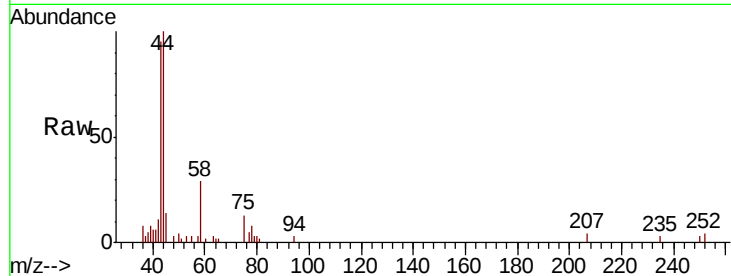
VSTD0.576

Tgt Ion: 43 Resp: 9420

Ion Ratio Lower Upper

43 100

58 44.6 0.0 70.2



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.21

4000

3000

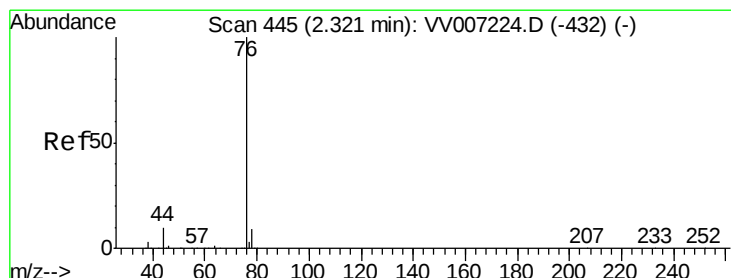
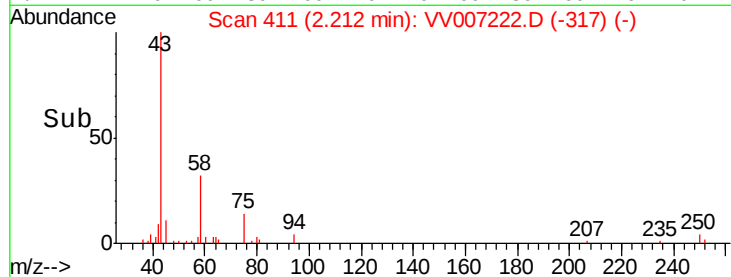
2000

1000

0

Time-->

2.15 2.20 2.25



#14

Carbon disulfide

Concen: 0.533 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007222.D

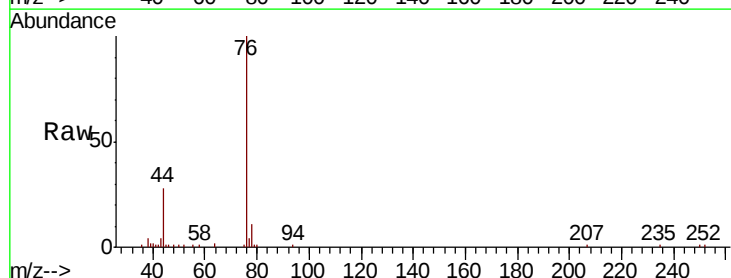
Acq: 28 Aug 2018 11:53

Tgt Ion: 76 Resp: 27889

Ion Ratio Lower Upper

76 100

78 11.1 7.2 10.8#



Abundance Ion 76.05 (75.75 to 76.75): VV0

Ion 78.00 (77.70 to 78.70): VV0

2.32

20000

15000

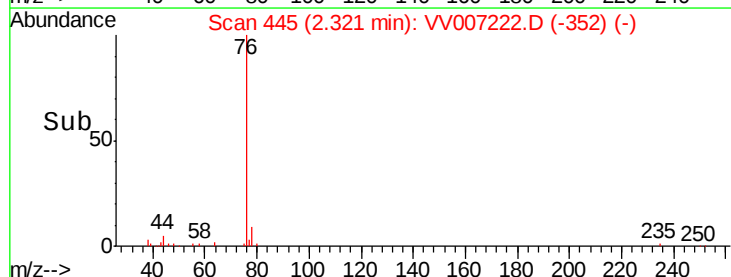
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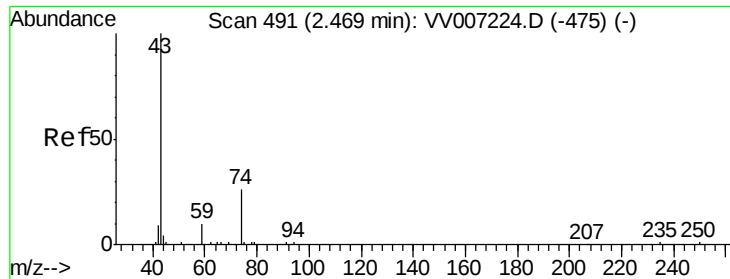
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Time-->

2.25 2.30 2.35 2.40

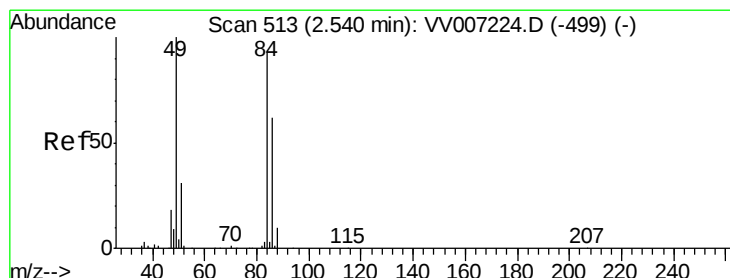
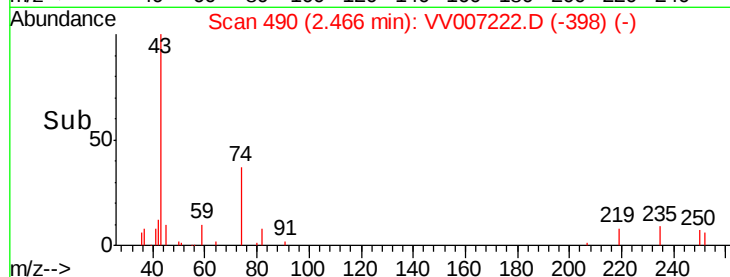
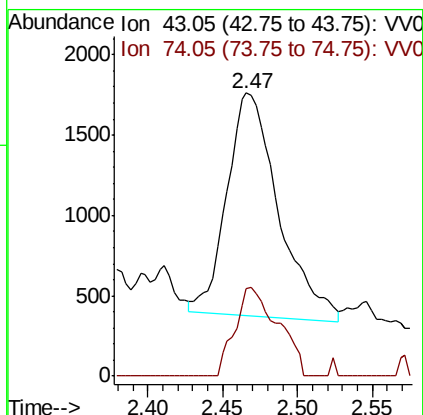
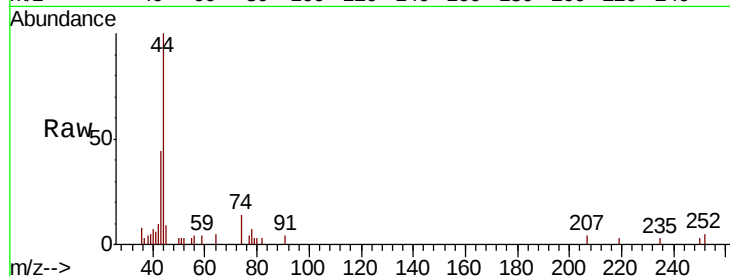




#15
Methyl Acetate
Concen: 0.503 ug/L
RT: 2.47 min Scan# 490
Delta R.T. -0.00 min
Lab File: VV007222.D
Acq: 28 Aug 2018 11:53

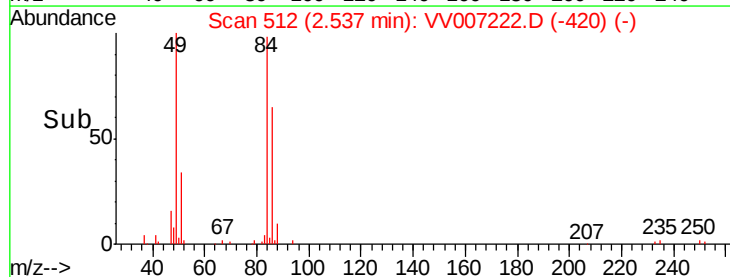
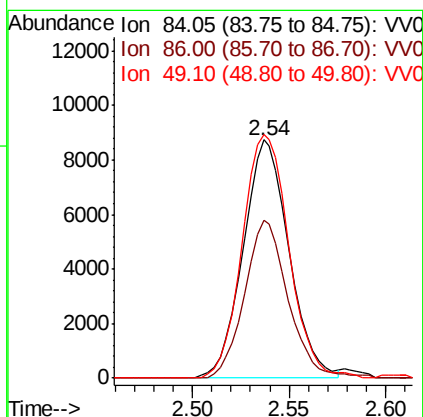
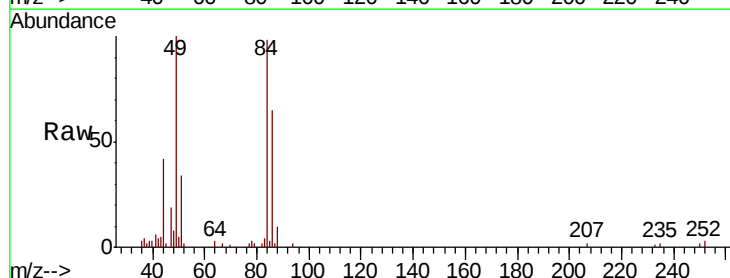
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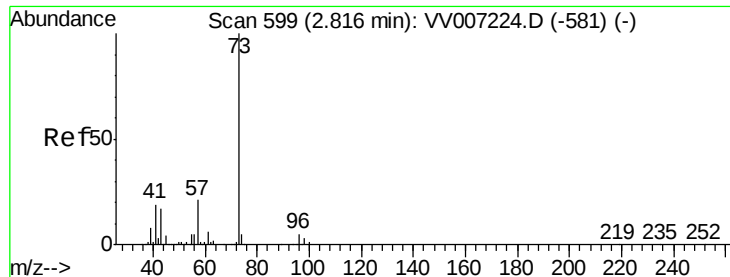
Tgt Ion: 43 Resp: 3331
Ion Ratio Lower Upper
43 100
74 33.1 22.2 33.2



#16
Methylene chloride
Concen: 0.669 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007222.D
Acq: 28 Aug 2018 11:53

Tgt Ion: 84 Resp: 14376
Ion Ratio Lower Upper
84 100
86 66.3 46.3 85.9
49 102.2 75.2 139.6





#17

Methyl tert-butyl Ether

Concen: 0.490 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

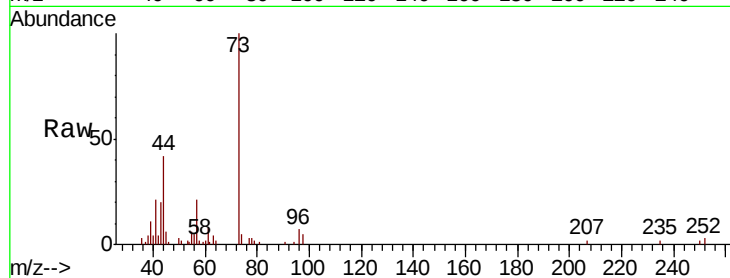
Tgt Ion: 73 Resp: 21630

Ion Ratio Lower Upper

73 100

43 18.6 13.8 20.6

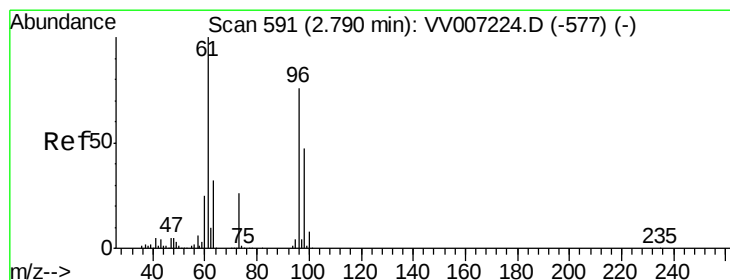
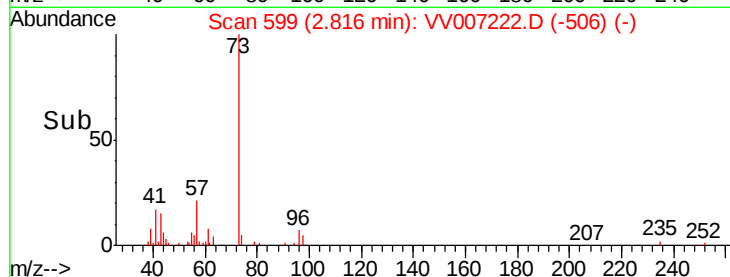
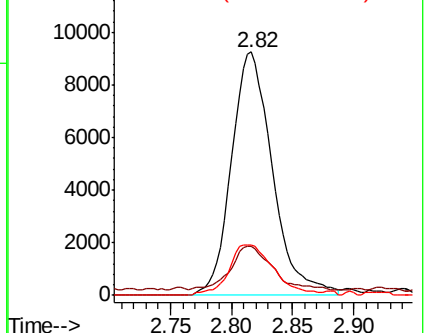
57 22.8 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VV007222.D (-581) (-)

Ion 43.05 (42.75 to 43.75): VV007222.D (-581) (-)

Ion 57.10 (56.80 to 57.80): VV007222.D (-581) (-)



#18

trans-1,2-Dichloroethene

Concen: 0.521 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

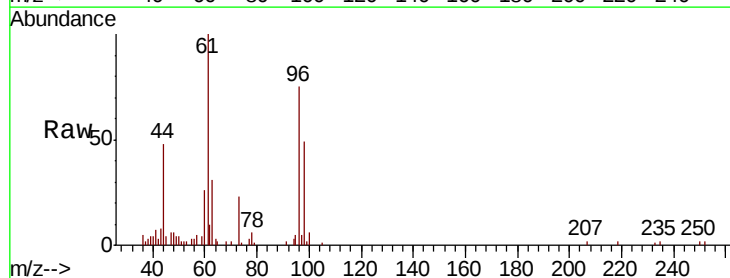
Tgt Ion: 96 Resp: 10332

Ion Ratio Lower Upper

96 100

61 133.5 92.7 172.1

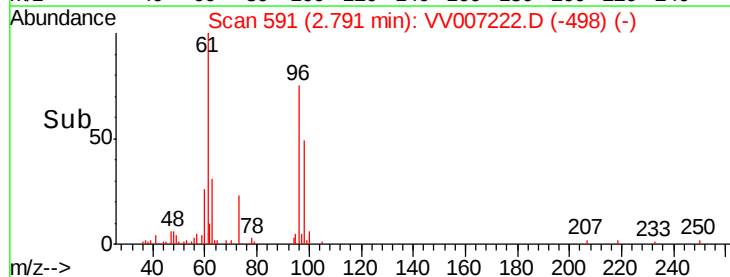
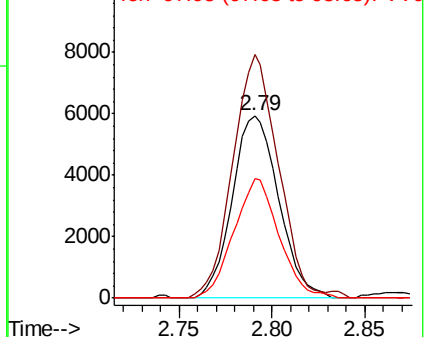
98 65.1 43.2 80.2

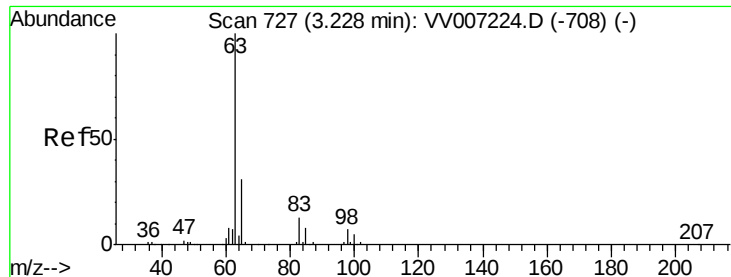


Abundance Ion 96.00 (95.70 to 96.70): VV007222.D (-577) (-)

Ion 61.05 (60.75 to 61.75): VV007222.D (-577) (-)

Ion 97.95 (97.65 to 98.65): VV007222.D (-577) (-)

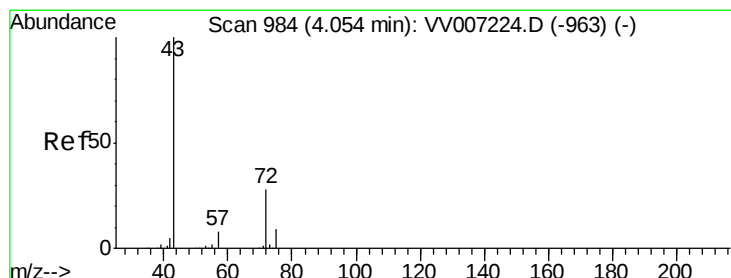
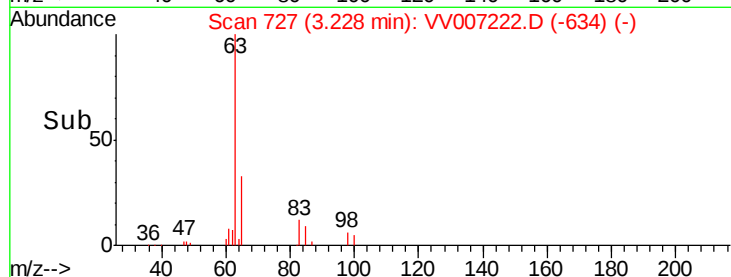
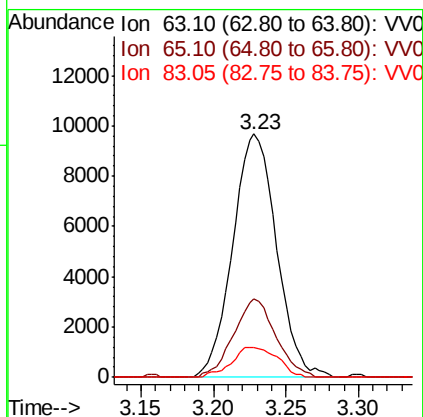
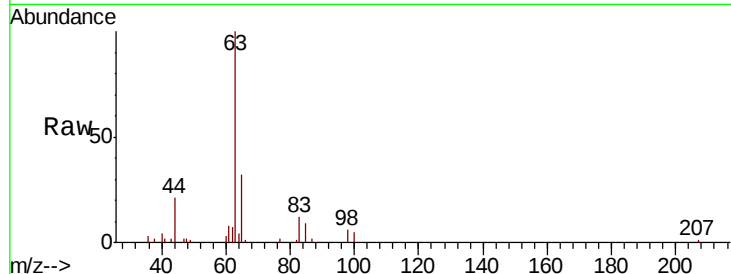




#19
 1,1-Dichloroethane
 Concen: 0.542 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

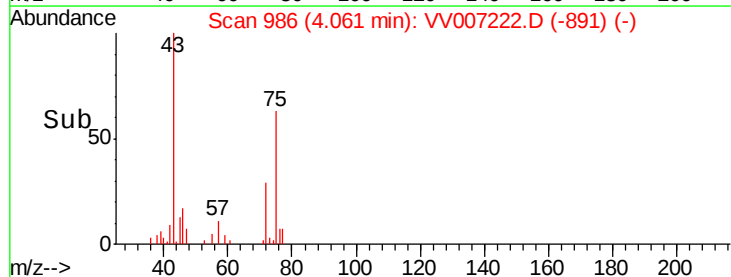
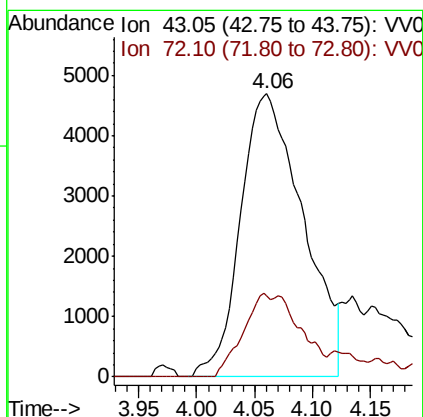
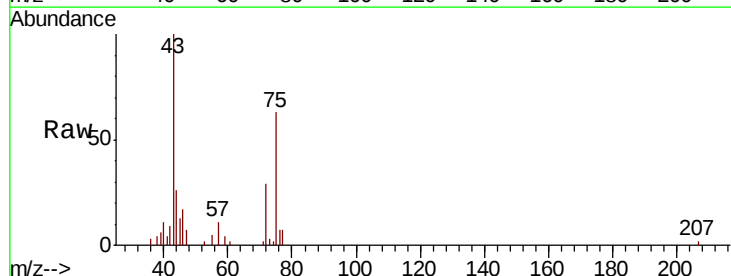
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

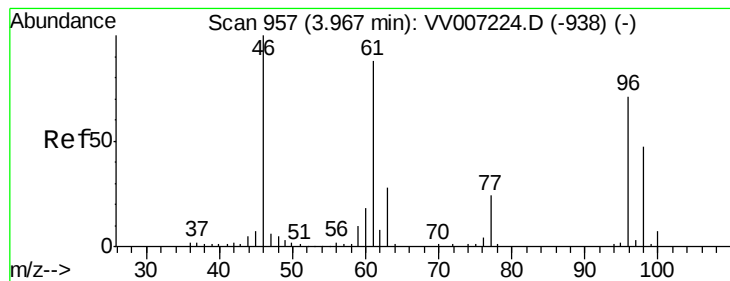
Tgt Ion:	63	Resp:	20315
Ion	Ratio	Lower	Upper
63	100		
65	32.2	21.8	40.4
83	12.2	9.4	17.4



#21
 2-Butanone
 Concen: 3.421 ug/L
 RT: 4.06 min Scan# 986
 Delta R.T. 0.01 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion:	43	Resp:	17626
Ion	Ratio	Lower	Upper
43	100		
72	13.2	12.4	37.0



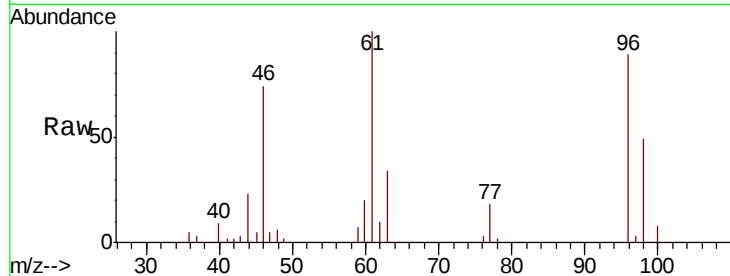


#22

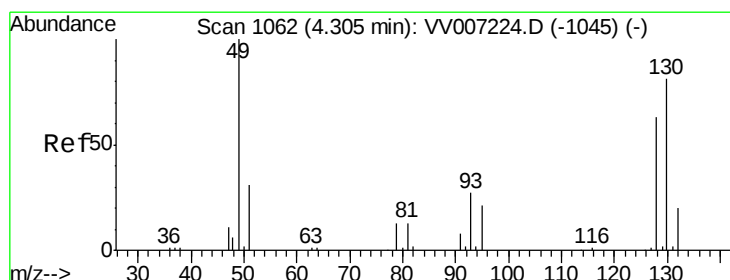
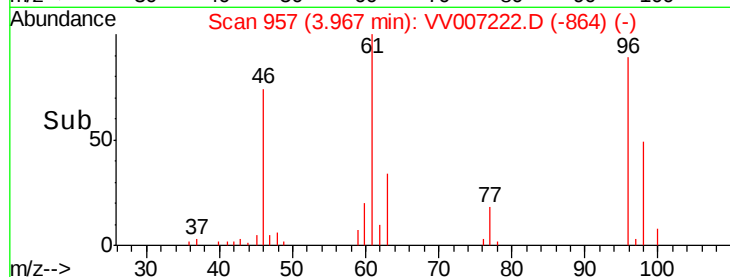
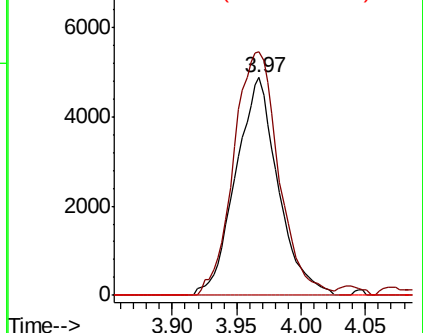
cis-1,2-Dichloroethene
 Concen: 0.509 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

Tgt Ion: 96 Resp: 11178
 Ion Ratio Lower Upper
 96 100
 61 111.7 87.1 161.7
 68 0.0 0.0 0.0



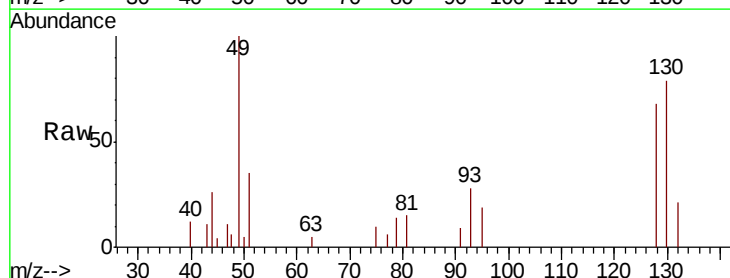
Abundance Ion 96.00 (95.70 to 96.70): VV0
 Ion 61.05 (60.75 to 61.75): VV0
 Ion 68.15 (67.85 to 68.85): VV0



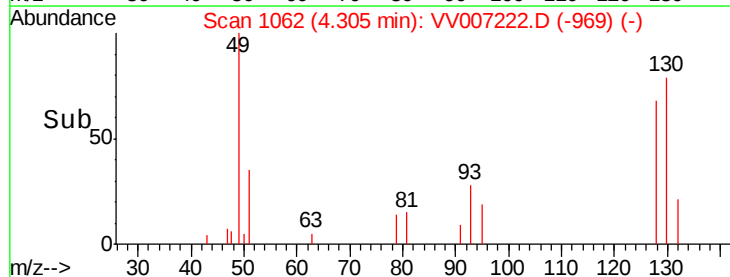
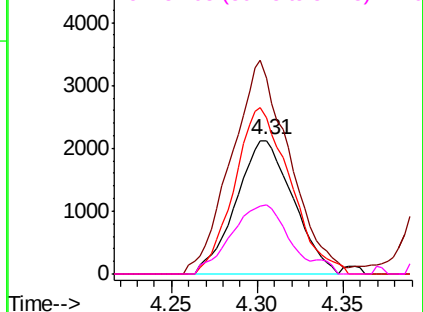
#23

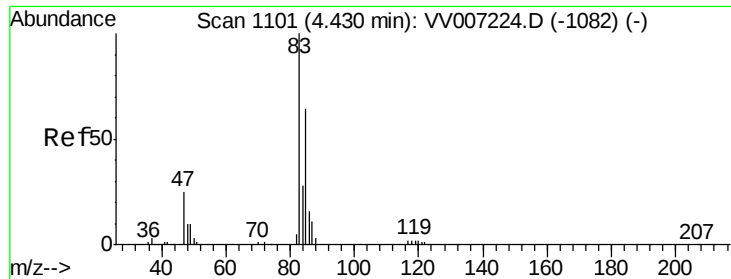
Bromochloromethane
 Concen: 0.487 ug/L
 RT: 4.31 min Scan# 1062
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion: 128 Resp: 4902
 Ion Ratio Lower Upper
 128 100
 49 146.9 111.1 206.3
 130 116.7 90.0 167.2
 51 51.3 39.6 59.4



Abundance Ion 127.90 (127.60 to 128.60): V
 Ion 49.10 (48.80 to 49.80): VV0
 Ion 129.95 (129.65 to 130.65): V
 Ion 51.05 (50.75 to 51.75): VV0

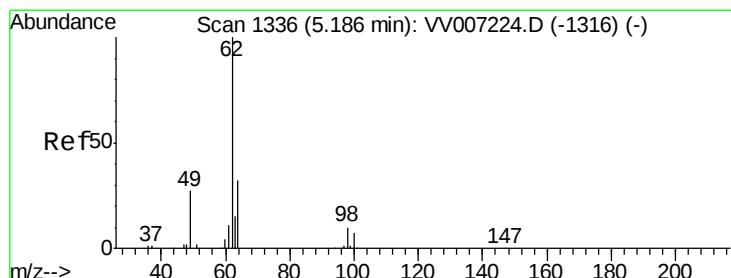
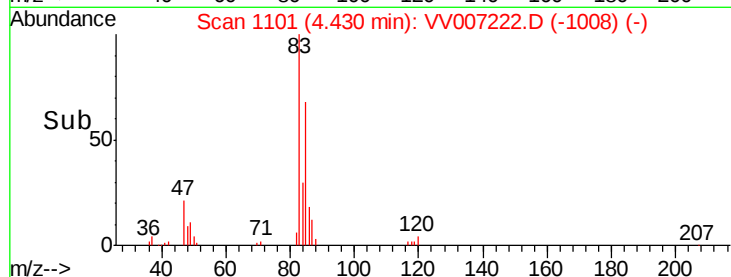
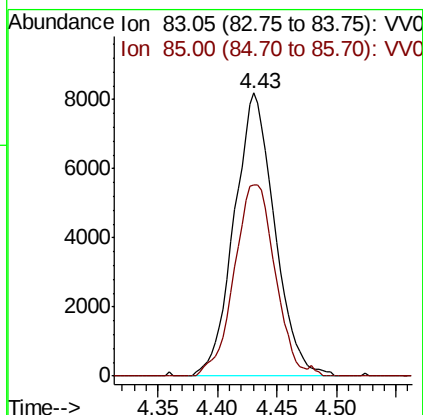
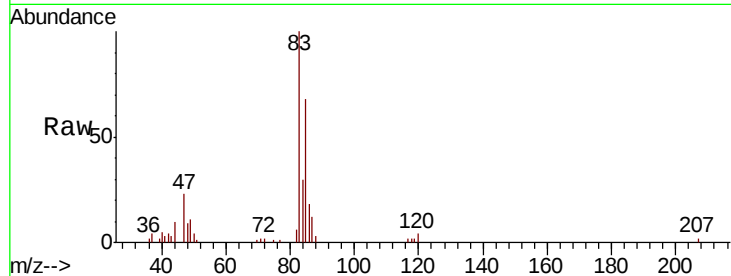




#25
Chloroform
Concen: 0.483 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007222.D
Acq: 28 Aug 2018 11:53

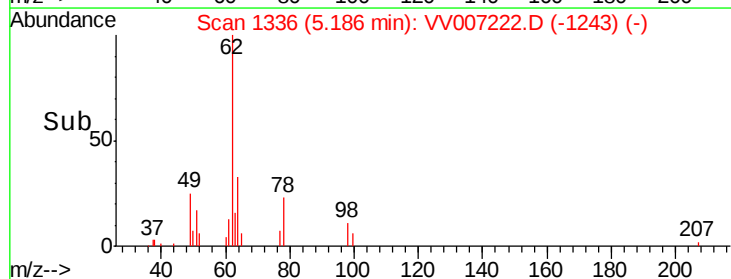
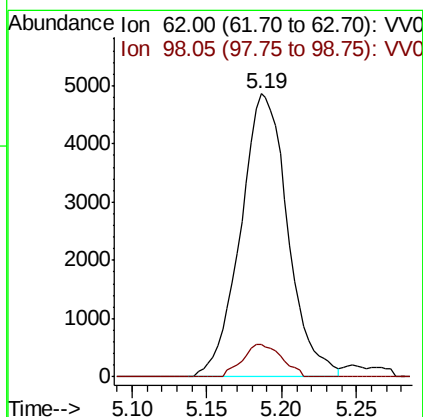
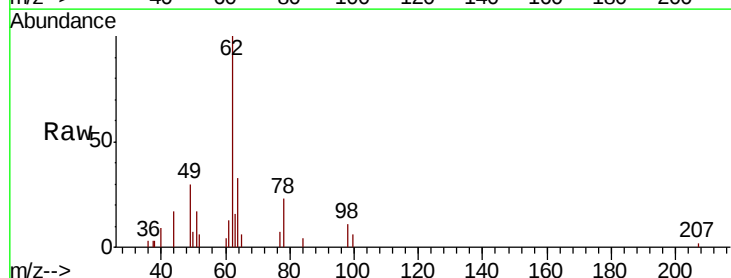
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.576

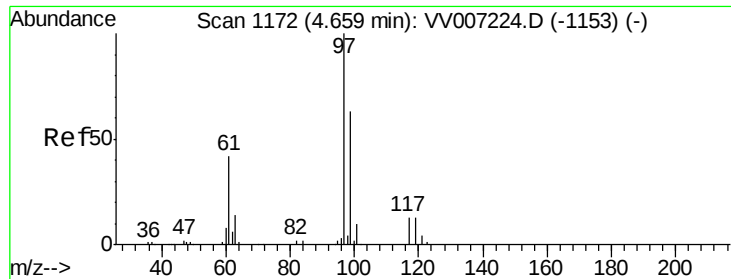
Tgt Ion: 83 Resp: 19288
Ion Ratio Lower Upper
83 100
85 67.6 45.0 83.6



#27
1,2-Dichloroethane
Concen: 0.470 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007222.D
Acq: 28 Aug 2018 11:53

Tgt Ion: 62 Resp: 10673
Ion Ratio Lower Upper
62 100
98 11.3 8.1 12.1

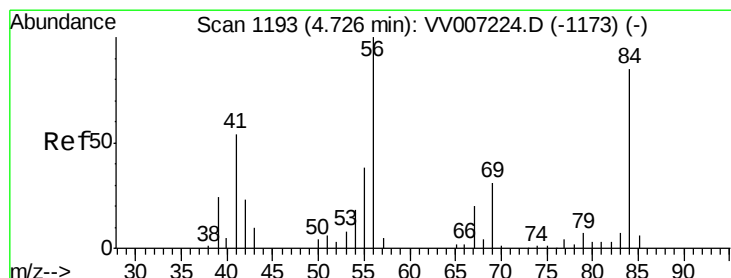
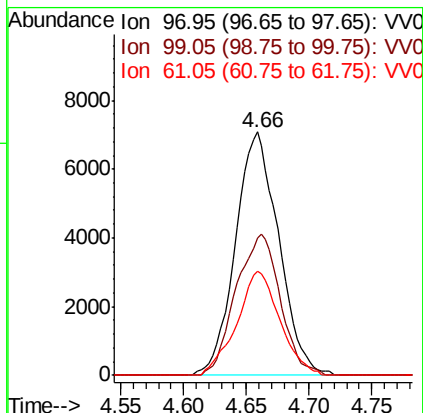
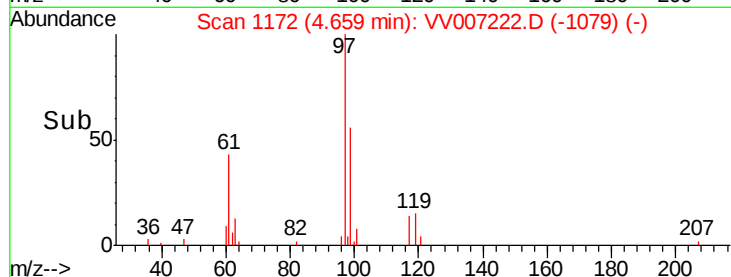
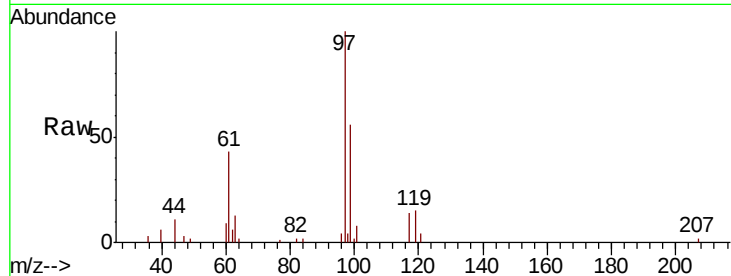




#29
 1,1,1-Trichloroethane
 Concen: 0.498 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

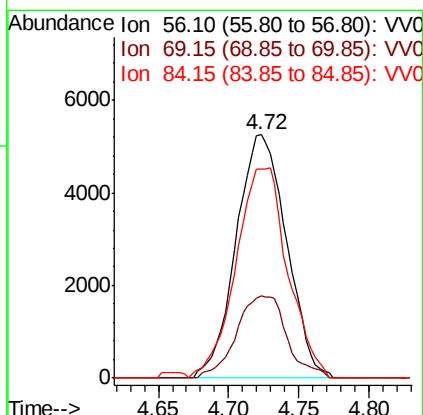
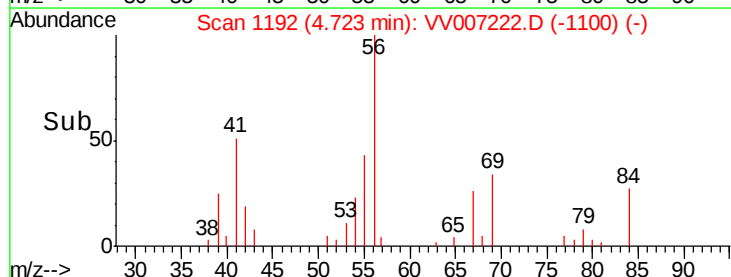
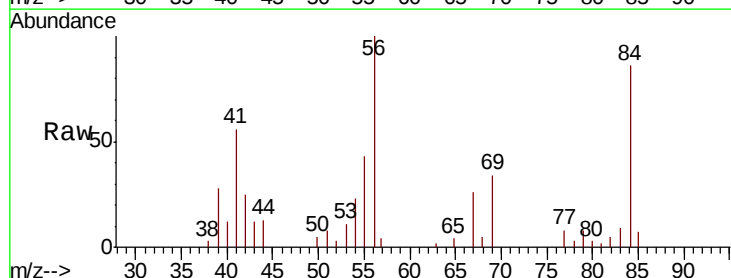
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

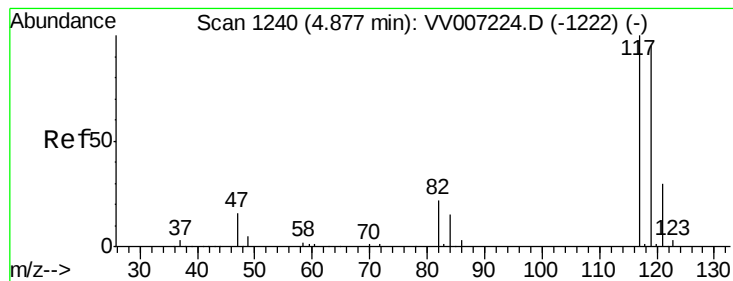
Tgt Ion: 97 Resp: 16951
 Ion Ratio Lower Upper
 97 100
 99 59.3 50.8 76.2
 61 42.4 34.6 51.8



#30
 Cyclohexane
 Concen: 0.434 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion: 56 Resp: 13125
 Ion Ratio Lower Upper
 56 100
 69 33.8 24.8 37.2
 84 88.9 72.9 109.3





#31

Carbon tetrachloride

Concen: 0.469 ug/L

RT: 4.87 min Scan# 1239

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

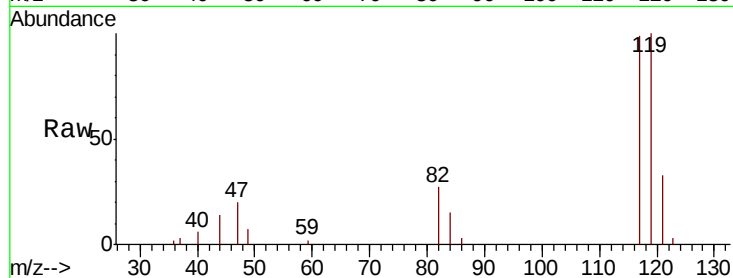
VSTD0.576

Tgt Ion:117 Resp: 13362

Ion Ratio Lower Upper

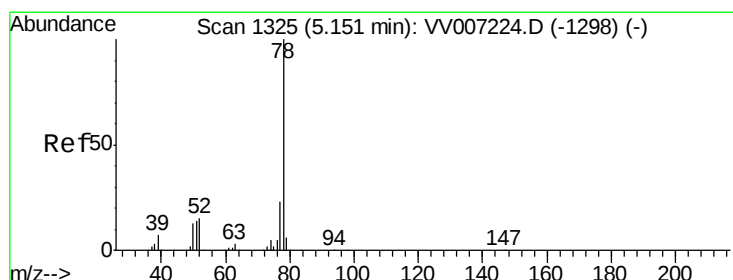
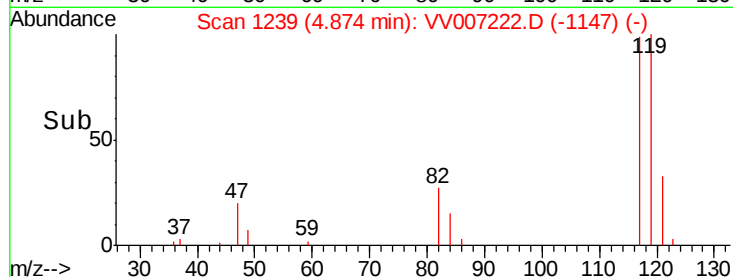
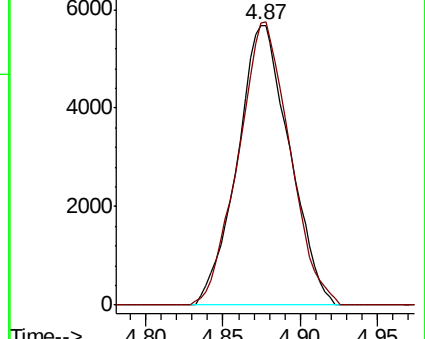
117 100

119 99.6 77.2 115.8



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 0.449 ug/L

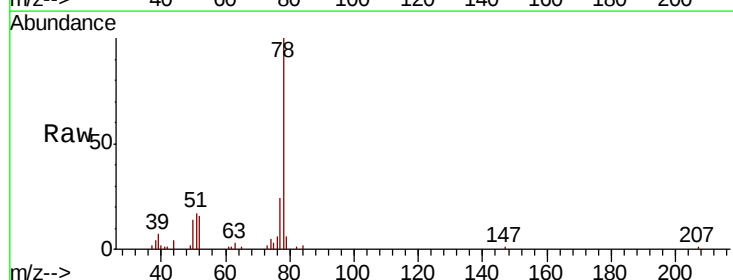
RT: 5.15 min Scan# 1324

Delta R.T. -0.00 min

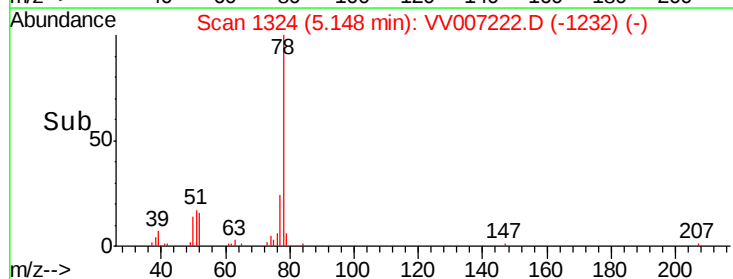
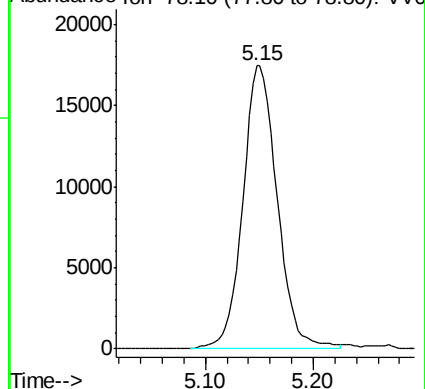
Lab File: VV007222.D

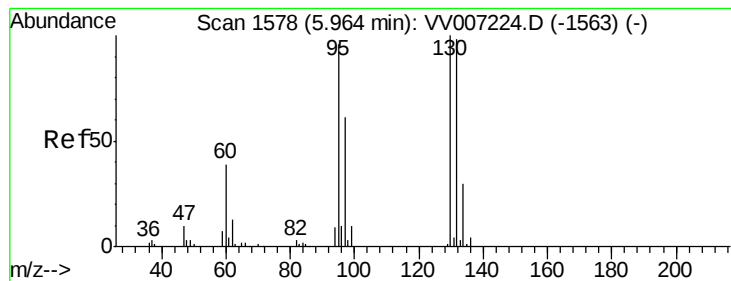
Acq: 28 Aug 2018 11:53

Tgt Ion: 78 Resp: 38776



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 0.496 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

Tgt Ion: 95 Resp: 10349

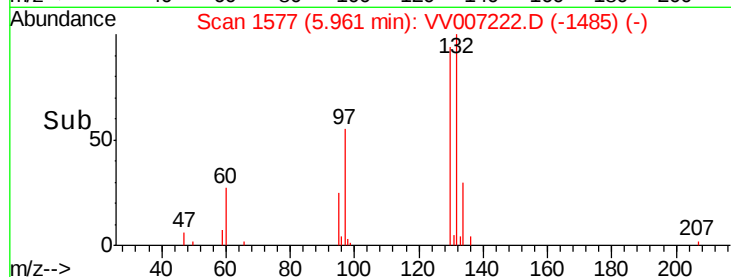
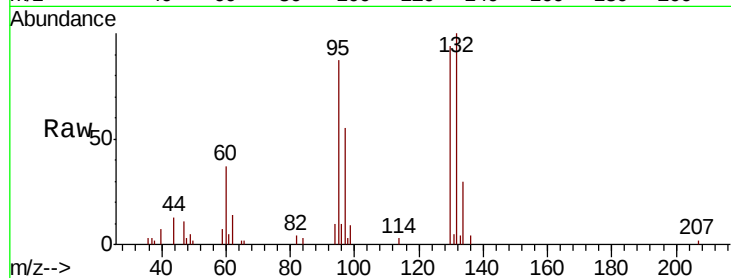
Ion Ratio Lower Upper

95 100

97 64.1 44.2 82.2

132 115.6 71.3 132.3

130 108.2 72.8 135.2

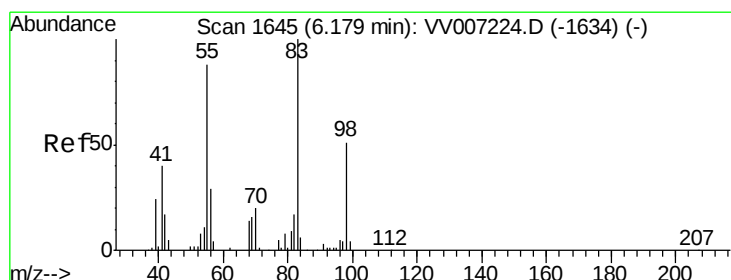
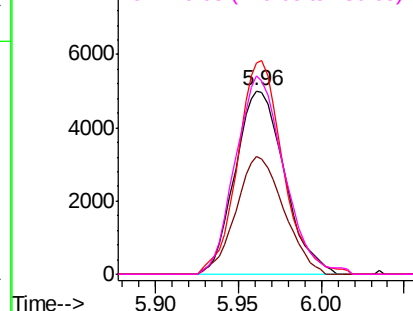


Abundance Ion 95.00 (94.70 to 95.70): VV007222.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007222.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007222.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007222.D (-1485) (-)



#35

Methylcyclohexane

Concen: 0.411 ug/L

RT: 6.18 min Scan# 1644

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

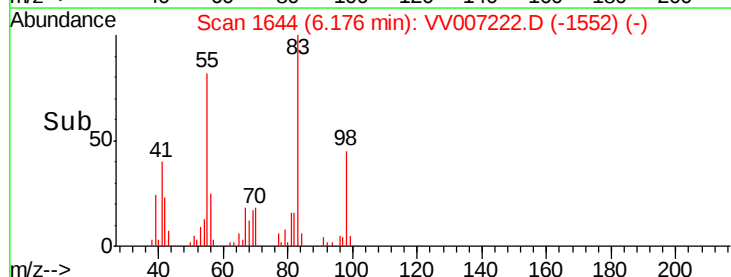
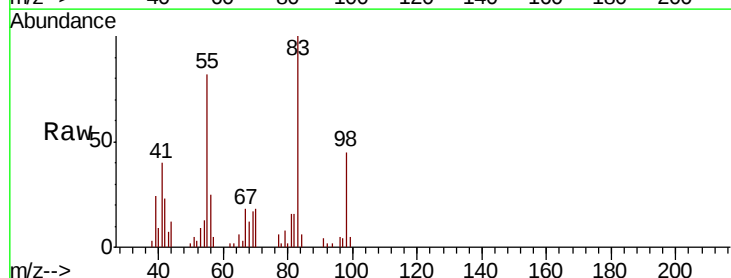
Tgt Ion: 83 Resp: 12772

Ion Ratio Lower Upper

83 100

55 85.2 64.0 96.0

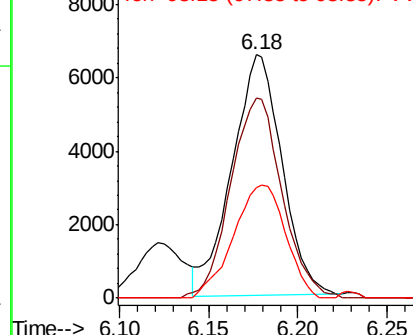
98 49.1 38.8 58.2

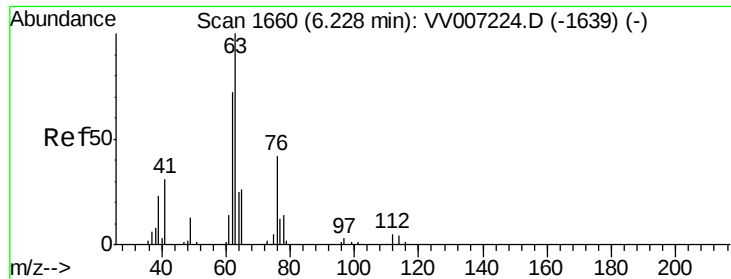


Abundance Ion 83.15 (82.85 to 83.85): VV007222.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007222.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007222.D (-1552) (-)

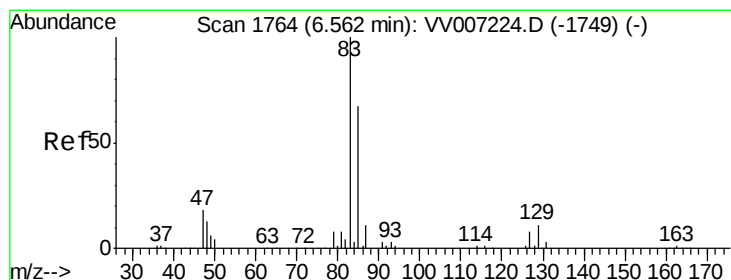
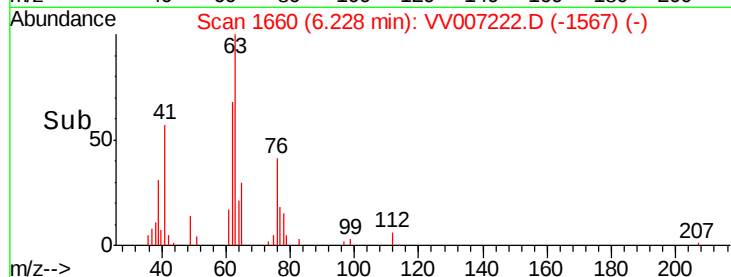
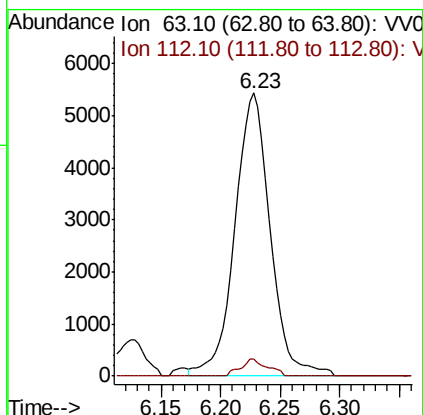
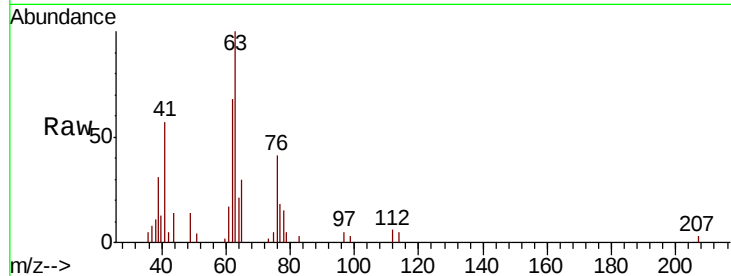




#37
 1,2-Dichloropropane
 Concen: 0.480 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

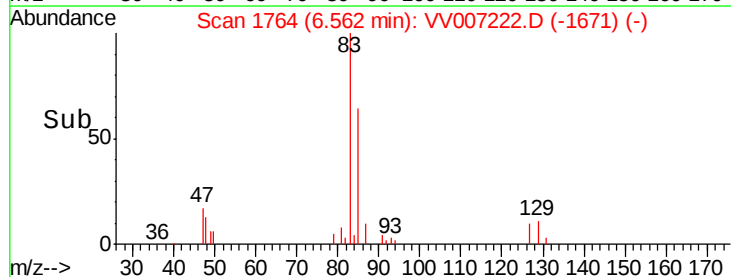
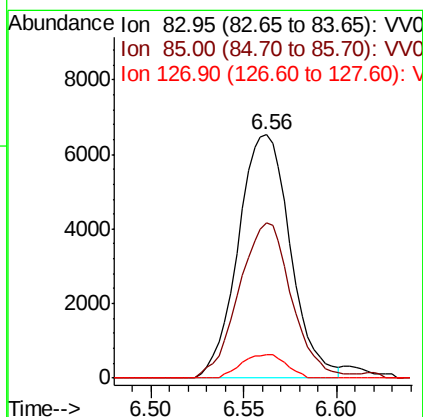
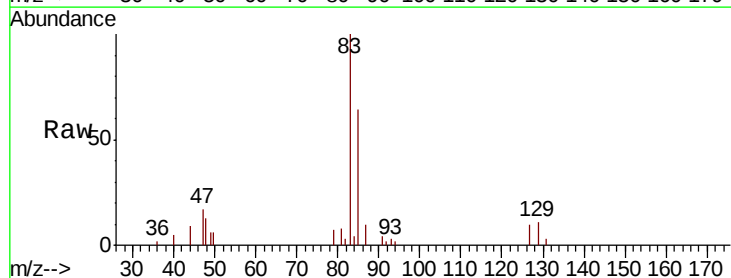
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

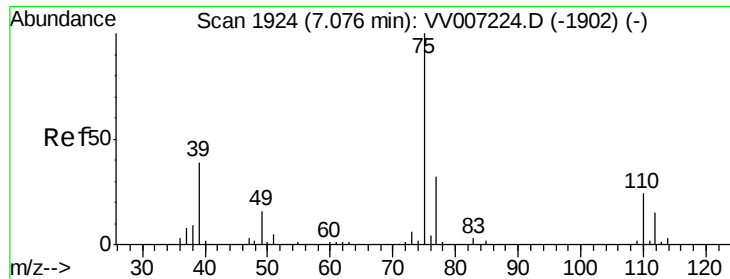
Tgt Ion: 63 Resp: 11189
 Ion Ratio Lower Upper
 63 100
 112 4.5 3.9 5.9



#38
 Bromodichloromethane
 Concen: 0.472 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion: 83 Resp: 12789
 Ion Ratio Lower Upper
 83 100
 85 63.7 46.5 86.5
 127 9.8 6.6 10.0

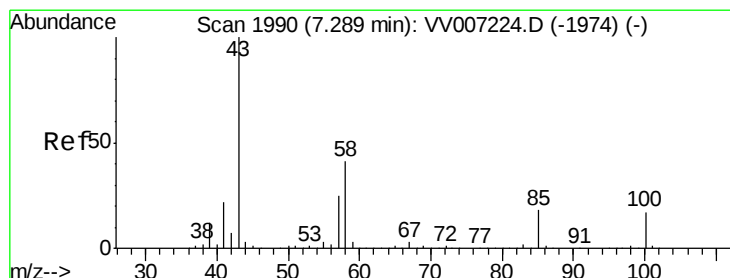
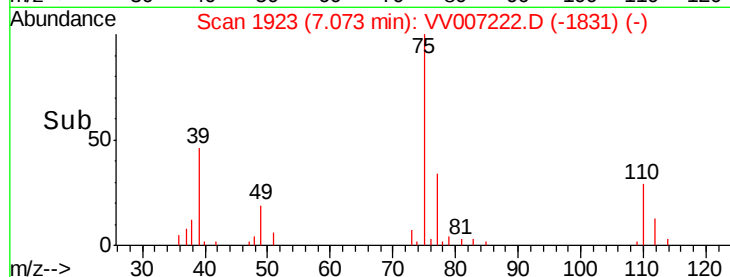
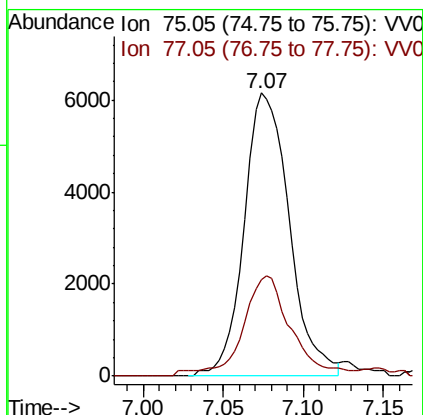
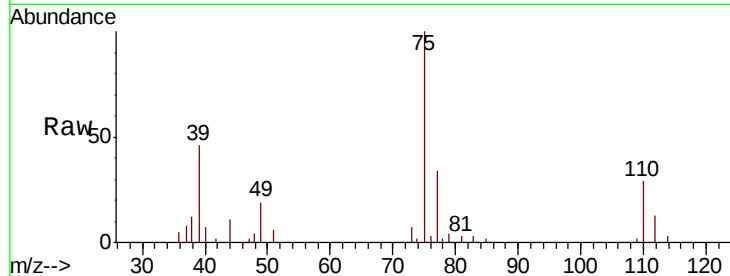




#39
 cis-1,3-Dichloropropene
 Concen: 0.430 ug/L
 RT: 7.07 min Scan# 1923
 Delta R.T. -0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

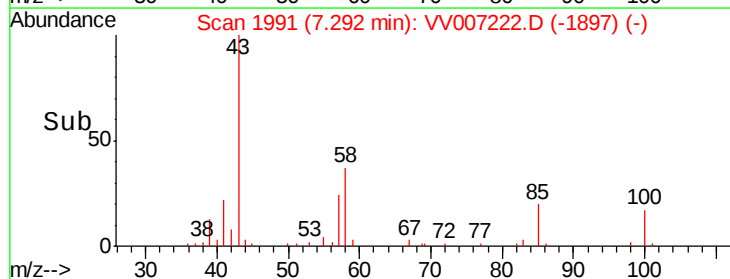
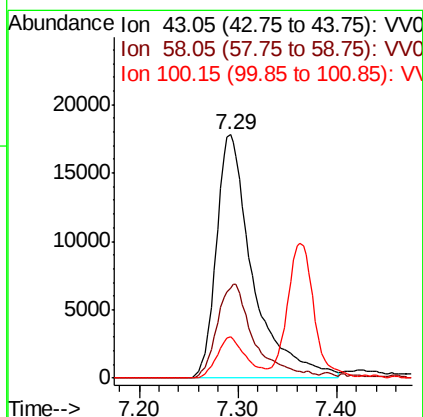
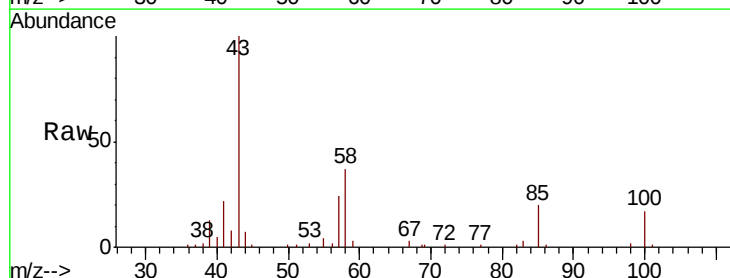
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

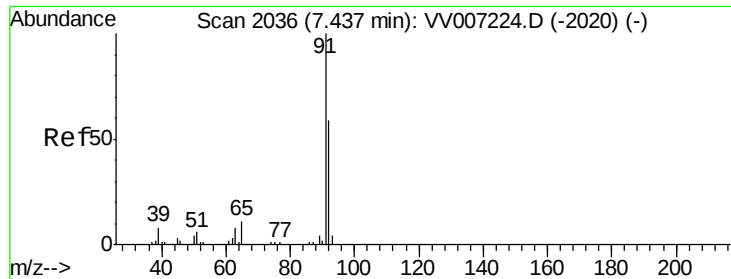
Tgt Ion: 75 Resp: 11909
 Ion Ratio Lower Upper
 75 100
 77 34.1 22.2 41.2



#40
 4-Methyl-2-pentanone
 Concen: 3.988 ug/L
 RT: 7.29 min Scan# 1991
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion: 43 Resp: 45917
 Ion Ratio Lower Upper
 43 100
 58 39.0 33.8 50.8
 100 13.5 13.1 19.7





#42

Toluene

Concen: 0.414 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

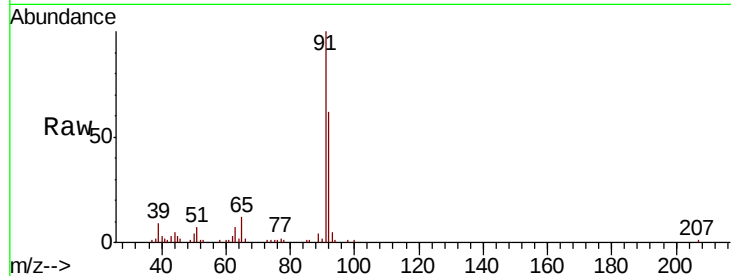
VSTD0.576

Tgt Ion: 91 Resp: 34287

Ion Ratio Lower Upper

91 100

92 62.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.44

20000

15000

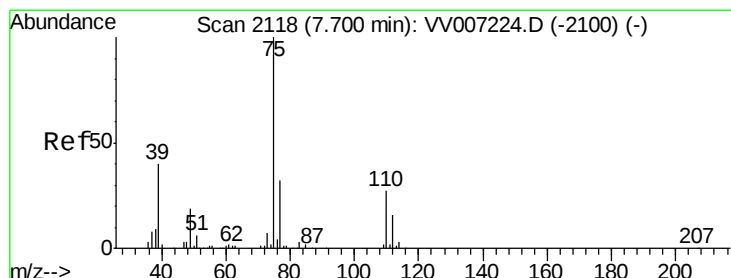
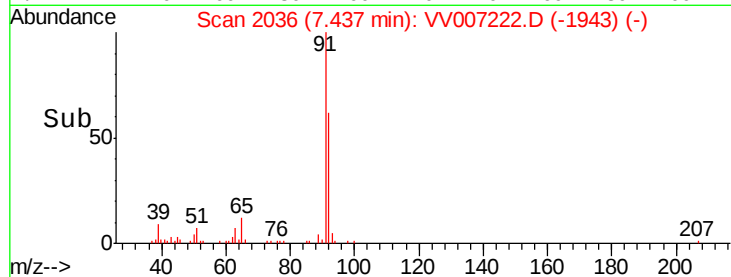
10000

5000

0

7.35 7.40 7.45 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.432 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007222.D

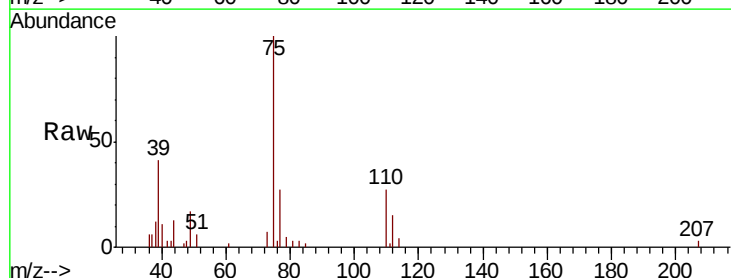
Acq: 28 Aug 2018 11:53

Tgt Ion: 75 Resp: 9961

Ion Ratio Lower Upper

75 100

77 27.2 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.70

6000

5000

4000

3000

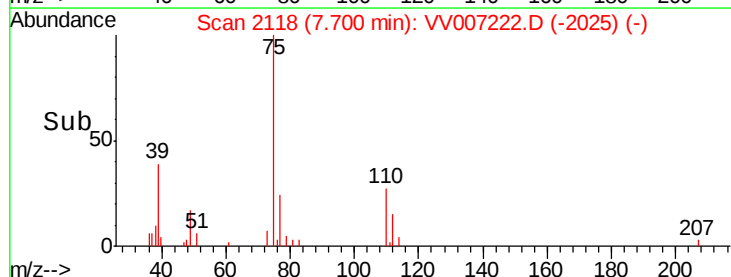
2000

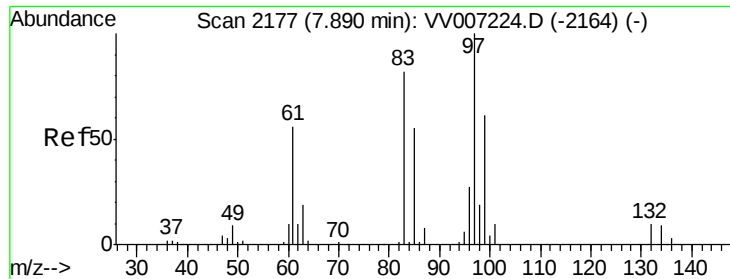
1000

0

7.65 7.70 7.75

Time-->

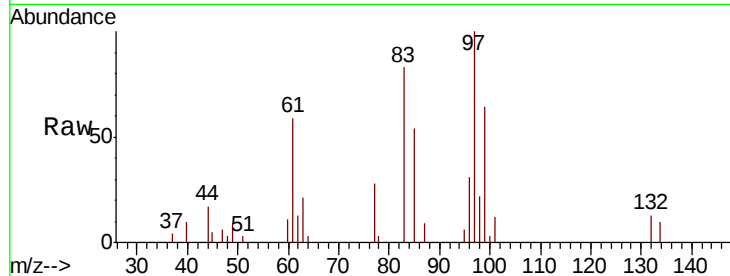




#45
 1,1,2-Trichloroethane
 Concen: 0.463 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

Tgt Ion:	97	Resp:	7315
Ion	Ratio	Lower	Upper
97	100		
99	64.0	42.6	79.0
83	83.0	57.3	106.3
85	54.4	38.3	71.1



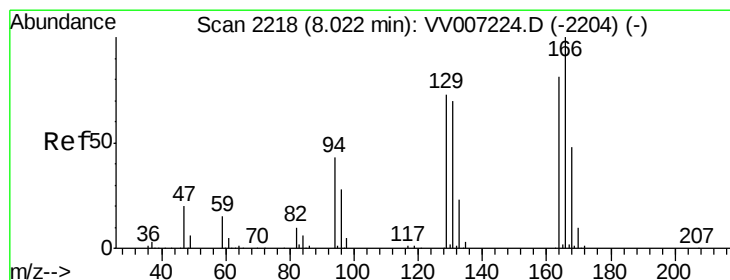
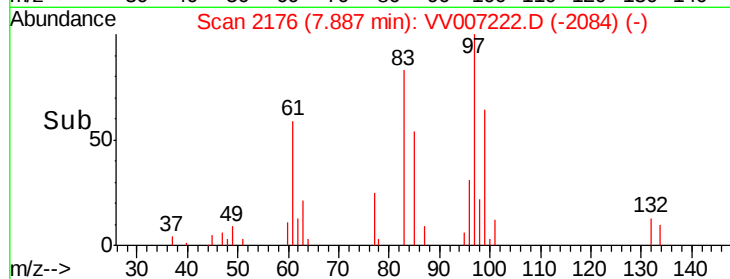
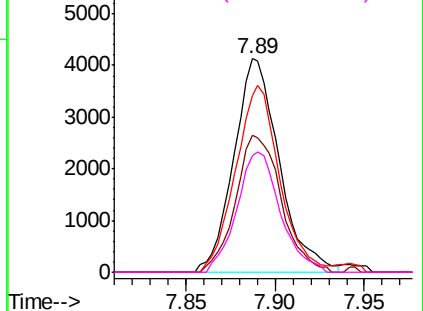
Abundance

Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

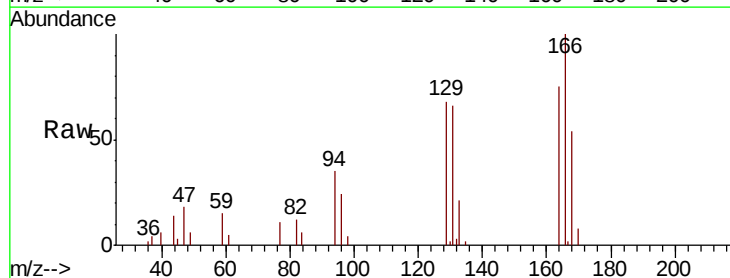
Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0



#47
 Tetrachloroethene
 Concen: 0.480 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion:	164	Resp:	8377
Ion	Ratio	Lower	Upper
164	100		
129	90.8	62.7	116.5
131	88.9	60.1	111.7
166	134.1	86.4	160.4



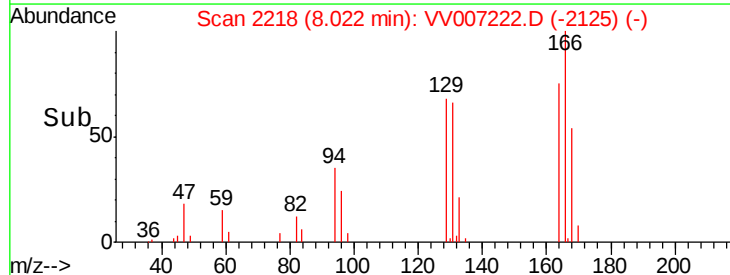
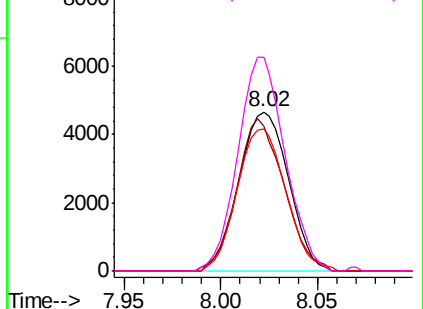
Abundance

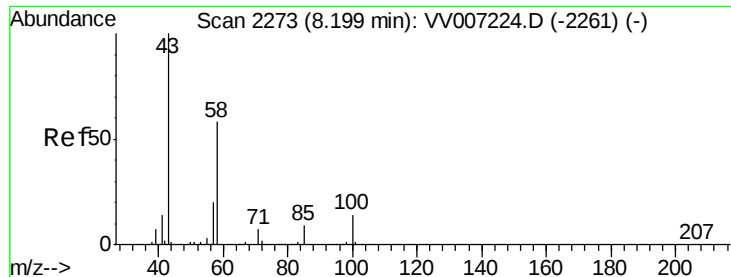
Ion 163.90 (163.60 to 164.60): V

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

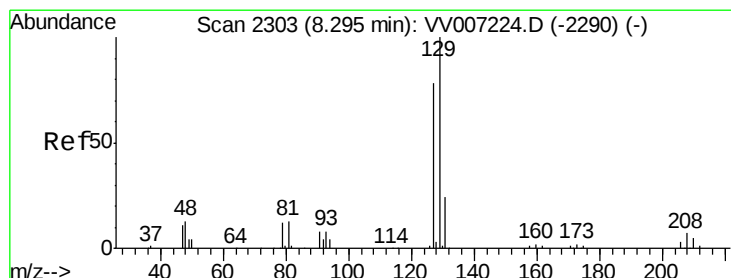
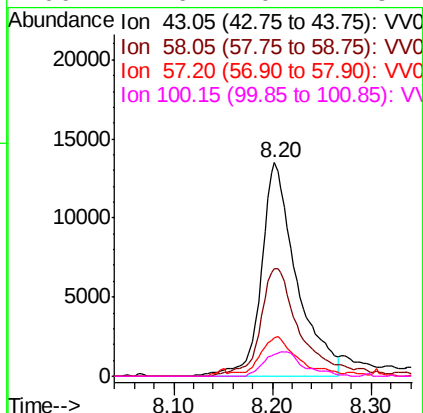
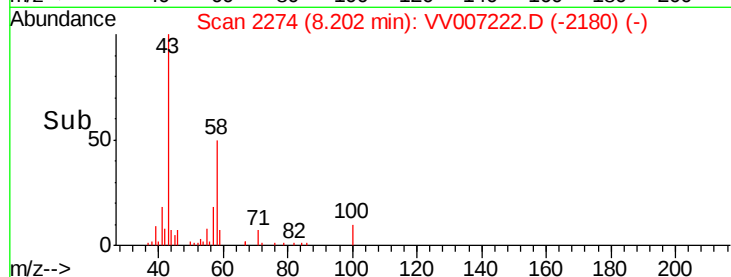
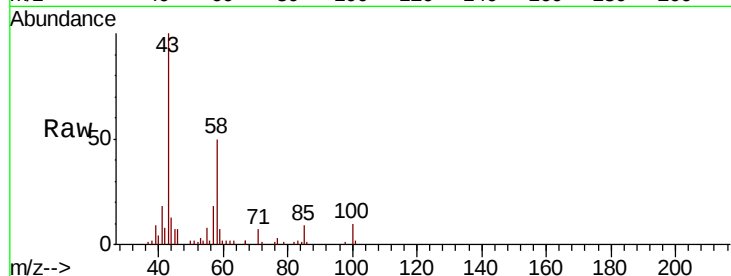




#48
2-Hexanone
Concen: 3.857 ug/L
RT: 8.20 min Scan# 2274
Delta R.T. 0.00 min
Lab File: VV007222.D
Acq: 28 Aug 2018 11:53

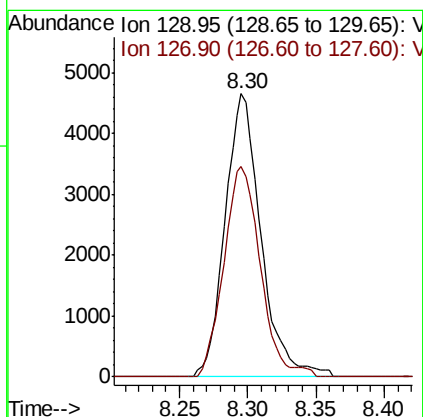
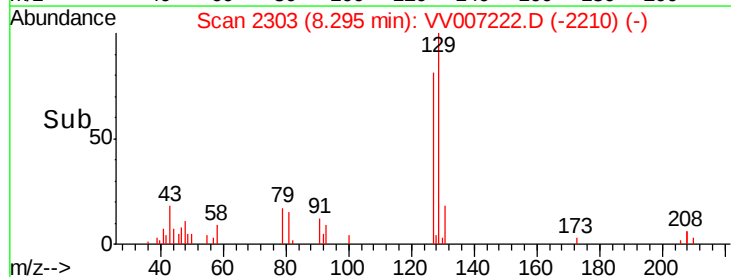
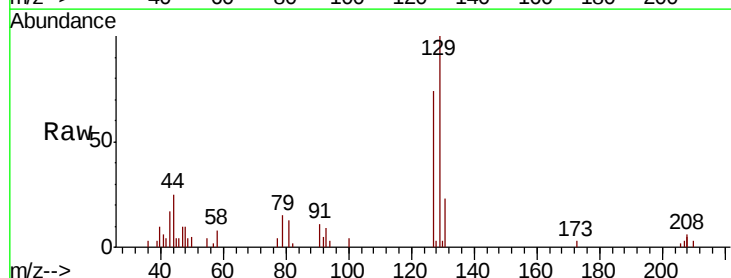
Instrument :
MSVOA_V
ClientSampleId :
VSTD0.576

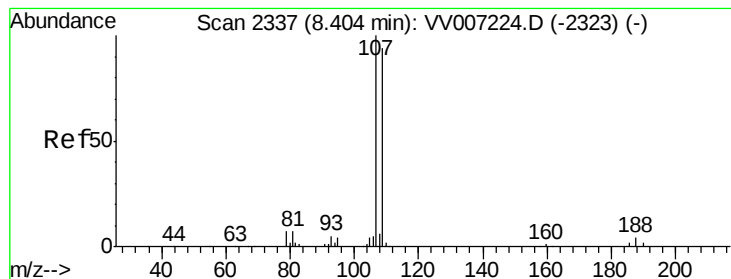
Tgt Ion: 43 Resp: 33244
Ion Ratio Lower Upper
43 100
58 55.7 50.0 75.0
57 19.5 16.6 25.0
100 12.6 10.2 15.4



#49
Dibromochloromethane
Concen: 0.489 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007222.D
Acq: 28 Aug 2018 11:53

Tgt Ion: 129 Resp: 8497
Ion Ratio Lower Upper
129 100
127 74.2 54.9 101.9





#50

1,2-Dibromoethane

Concen: 0.454 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

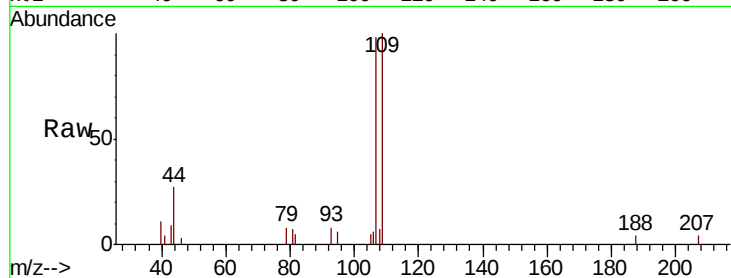
Tgt Ion:107 Resp: 6036

Ion Ratio Lower Upper

107 100

109 101.6 65.9 122.3

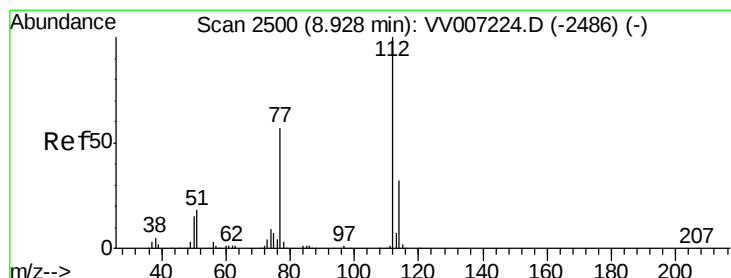
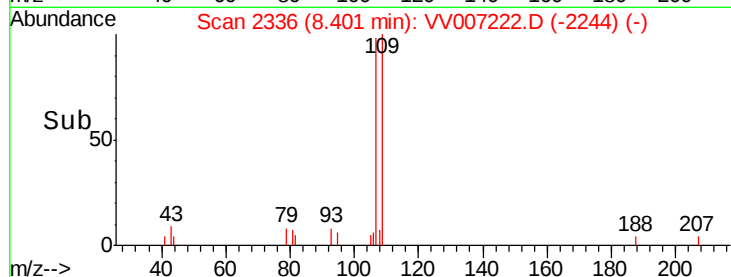
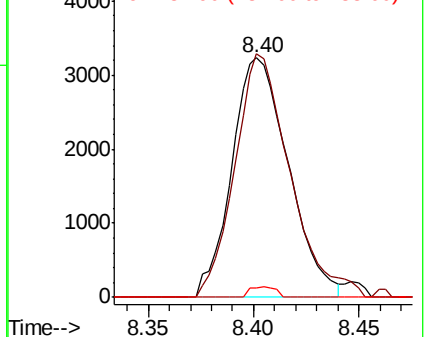
188 4.1 3.5 5.3



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: 0.477 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

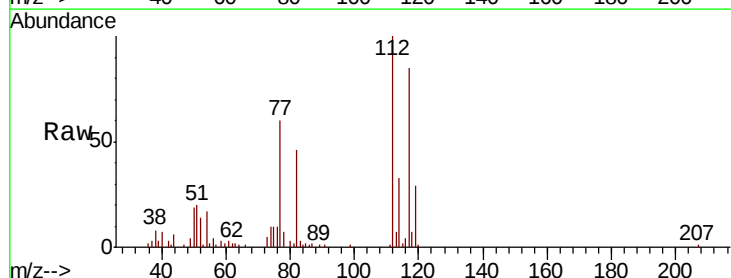
Tgt Ion:112 Resp: 26246

Ion Ratio Lower Upper

112 100

114 32.5 22.0 41.0

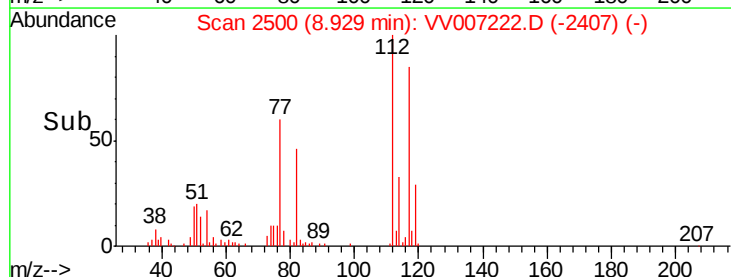
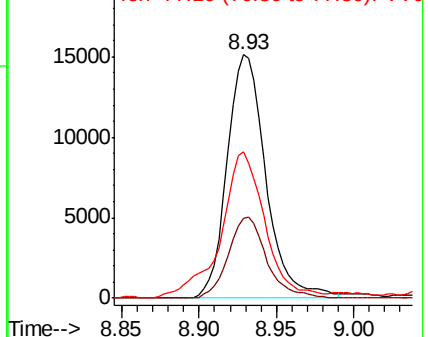
77 59.9 45.9 68.9

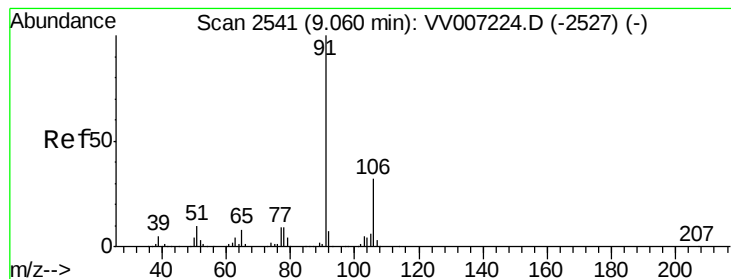


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 0.436 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

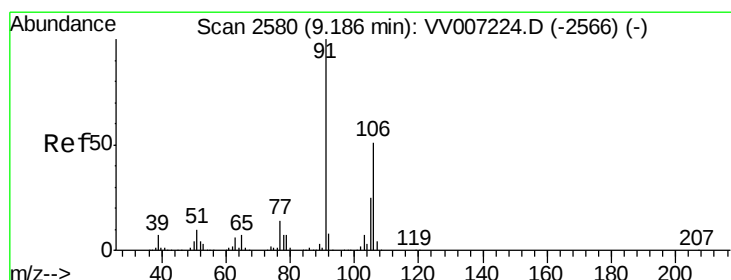
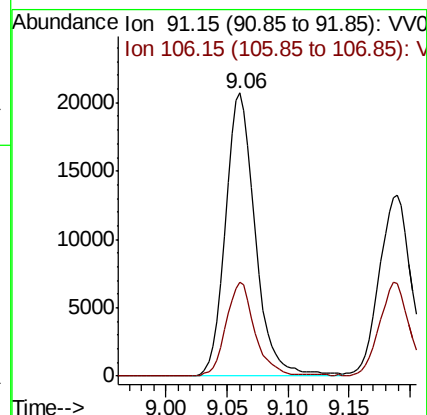
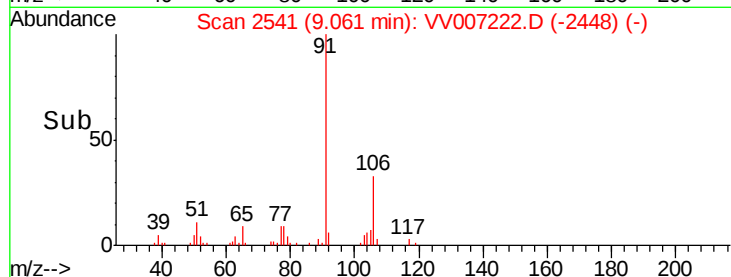
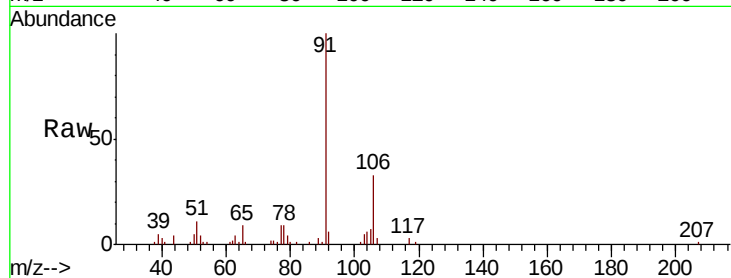
VSTD0.576

Tgt Ion: 91 Resp: 35648

Ion Ratio Lower Upper

91 100

106 33.4 22.3 41.3



#53

m,p-xylene

Concen: 0.385 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007222.D

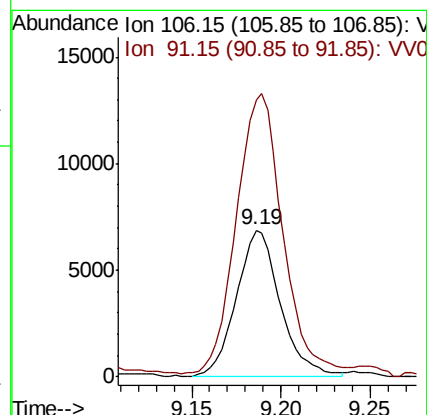
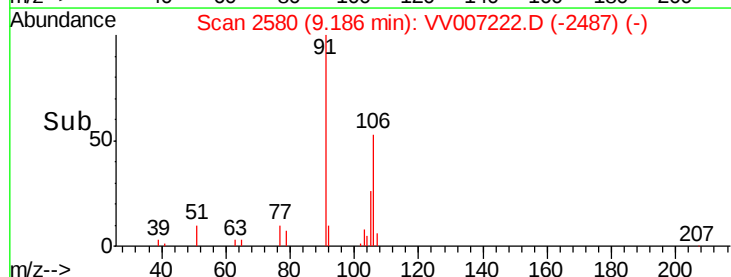
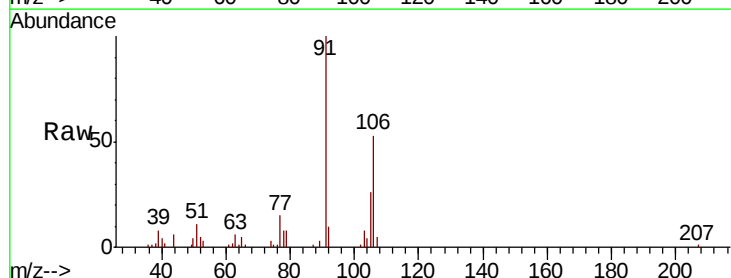
Acq: 28 Aug 2018 11:53

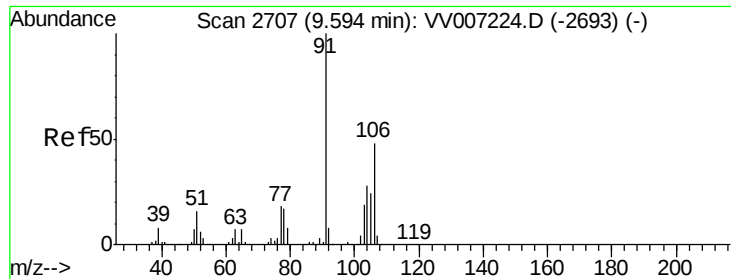
Tgt Ion: 106 Resp: 11894

Ion Ratio Lower Upper

106 100

91 189.3 138.4 257.0





#54

o-xylene

Concen: 0.387 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

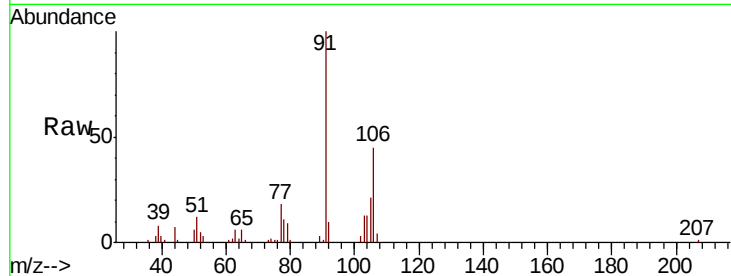
VSTD0.576

Tgt Ion:106 Resp: 11400

Ion Ratio Lower Upper

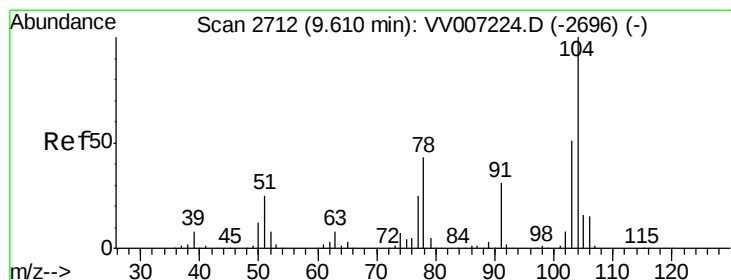
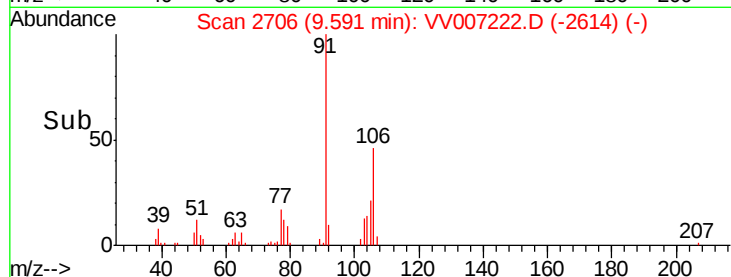
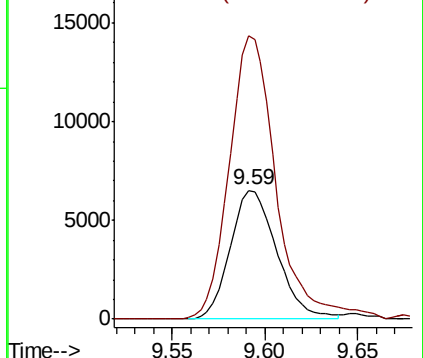
106 100

91 219.8 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 0.366 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007222.D

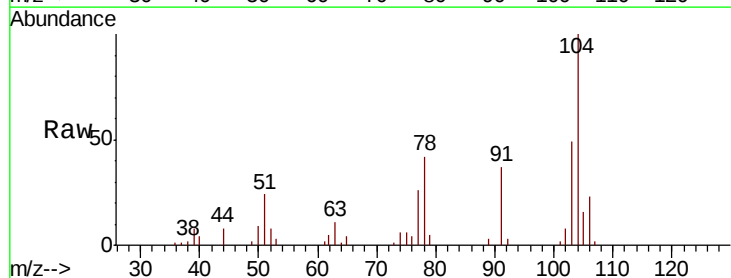
Acq: 28 Aug 2018 11:53

Tgt Ion:104 Resp: 18502

Ion Ratio Lower Upper

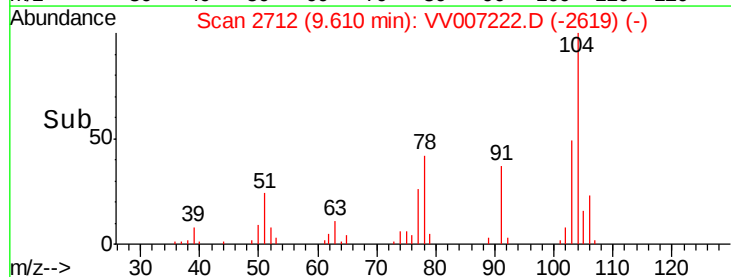
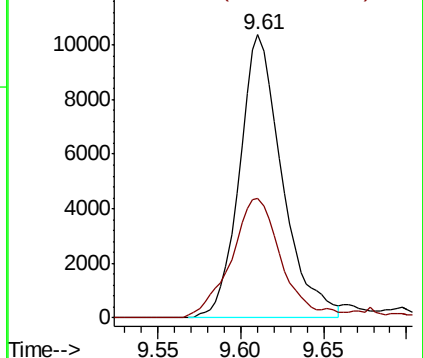
104 100

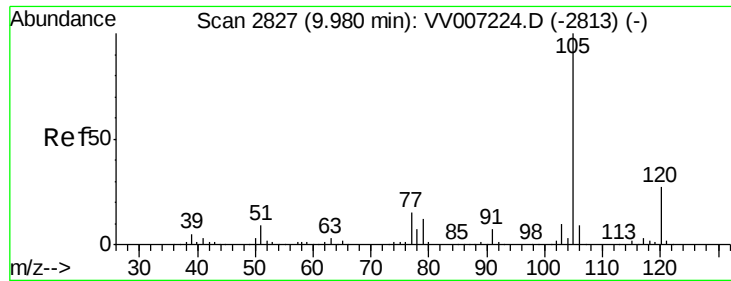
78 42.3 30.2 56.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 0.397 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

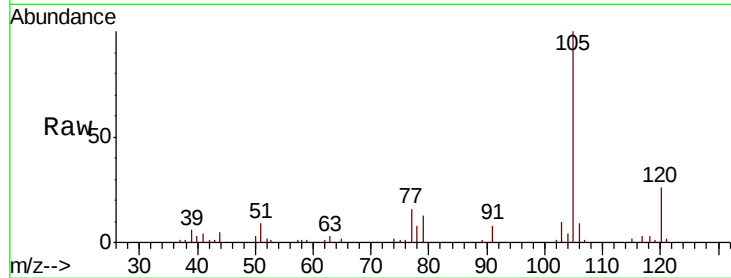
Tgt Ion: 105 Resp: 30678

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

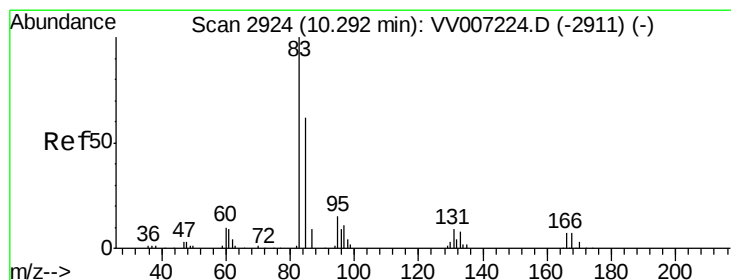
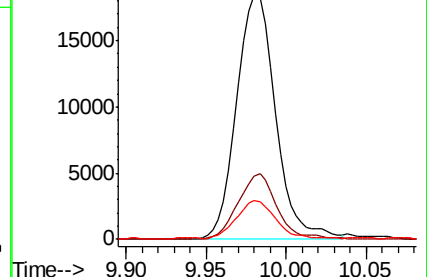
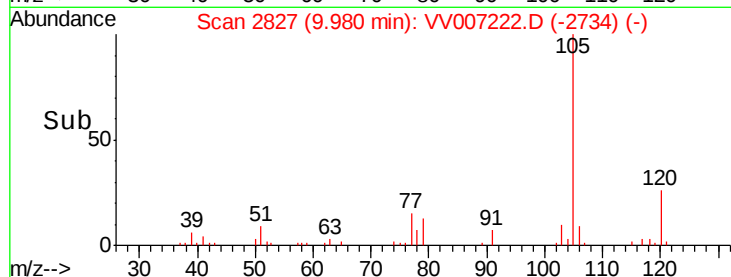
77 16.3 12.1 18.1



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: 0.454 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

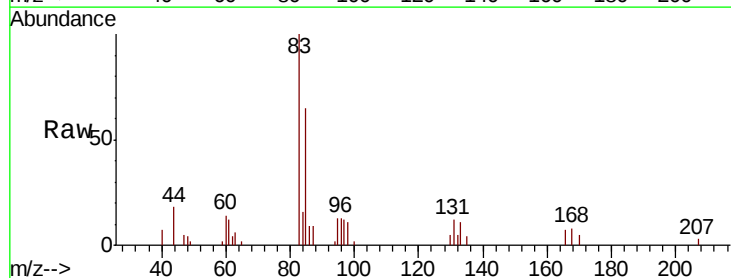
Tgt Ion: 83 Resp: 8444

Ion Ratio Lower Upper

83 100

85 64.7 43.7 81.1

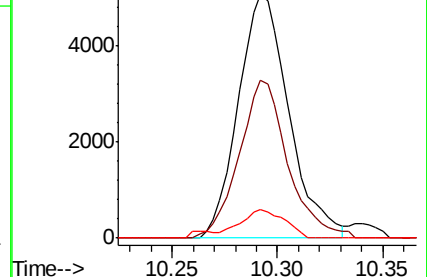
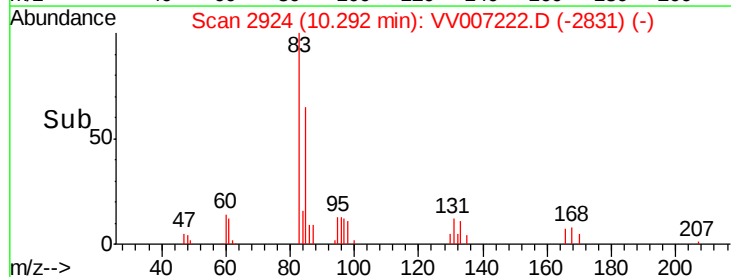
131 11.6 7.7 11.5#

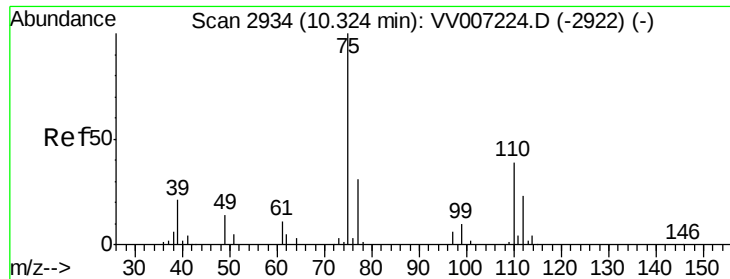


Abundance Ion 82.95 (82.65 to 83.65): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 130.95 (130.65 to 131.65): V





#59

1,2,3-Trichloropropane

Concen: 0.478 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

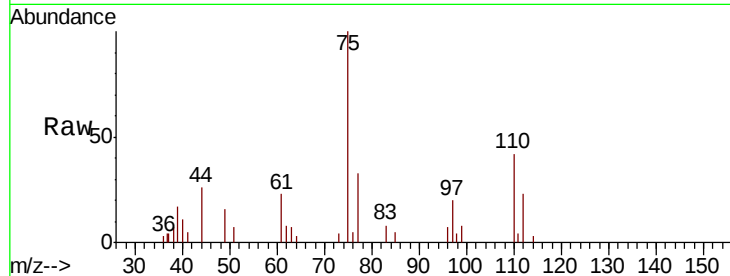
VSTD0.576

Tgt Ion: 75 Resp: 6439

Ion Ratio Lower Upper

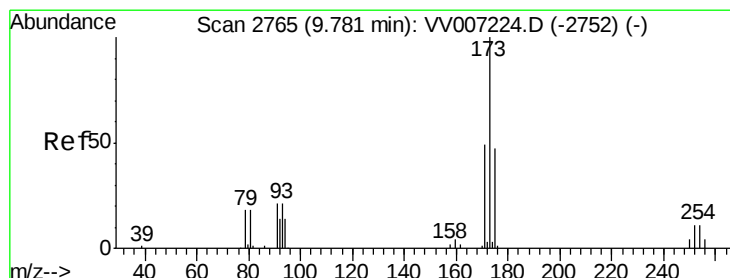
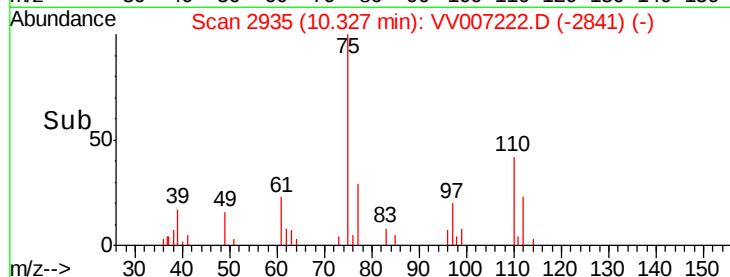
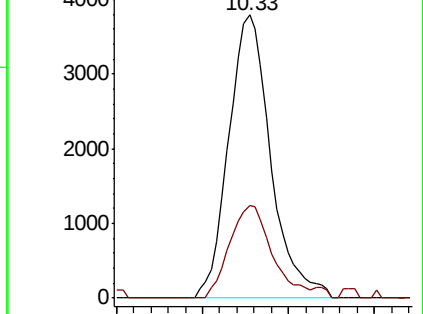
75 100

77 32.9 26.0 39.0



Abundance Ion 75.00 (74.70 to 75.70): VV007222.D (-2922) (-)

Ion 77.00 (76.70 to 77.70): VV007222.D (-2922) (-)



#61

Bromoform

Concen: 0.500 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

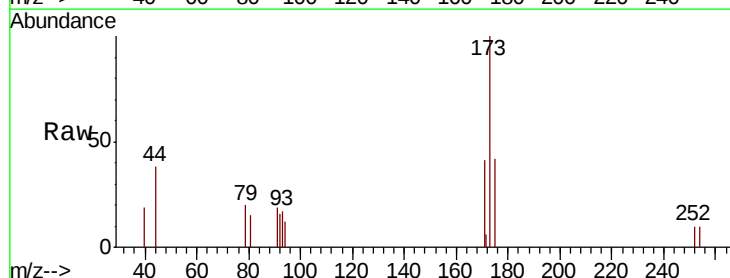
Tgt Ion: 173 Resp: 4392

Ion Ratio Lower Upper

173 100

175 43.1 39.3 58.9

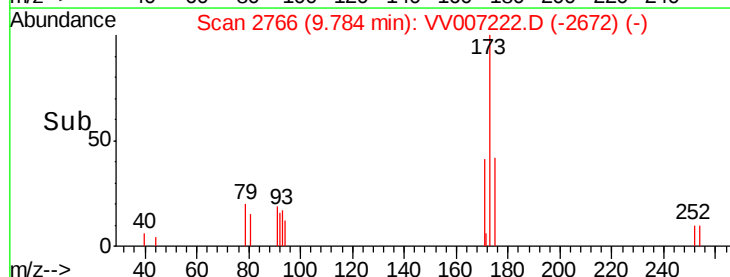
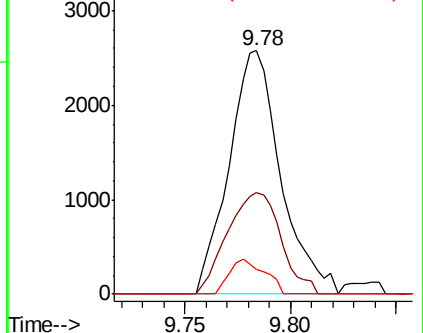
254 9.8 8.7 13.1

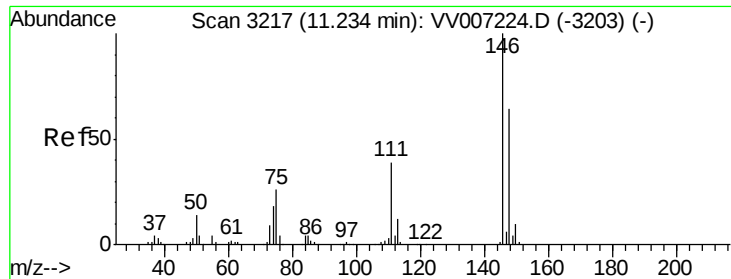


Abundance Ion 172.90 (172.60 to 173.60): VV007222.D (-2752) (-)

Ion 174.90 (174.60 to 175.60): VV007222.D (-2752) (-)

Ion 253.75 (253.45 to 254.45): VV007222.D (-2752) (-)





#62

1,3-Dichlorobenzene

Concen: 0.520 ug/L

RT: 11.23 min Scan# 3217

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

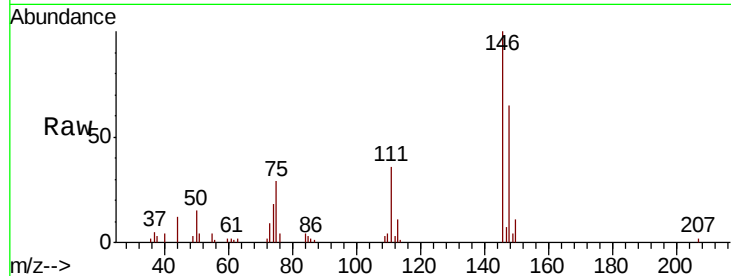
Tgt Ion:146 Resp: 18324

Ion Ratio Lower Upper

146 100

111 35.6 27.2 50.4

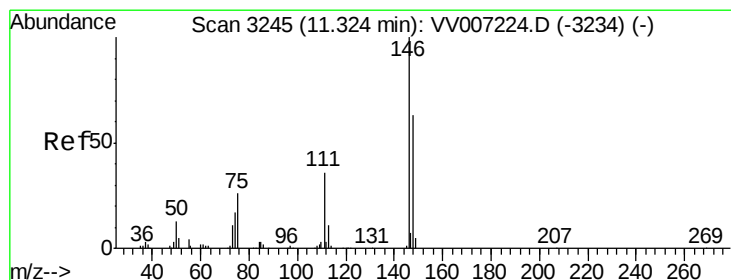
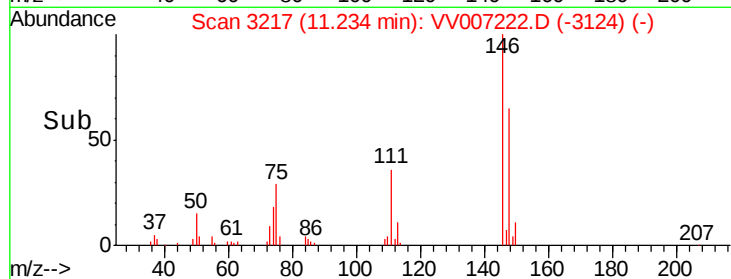
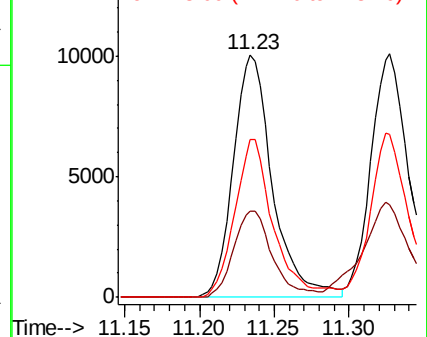
148 65.2 45.0 83.6



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: 0.507 ug/L

RT: 11.33 min Scan# 3246

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

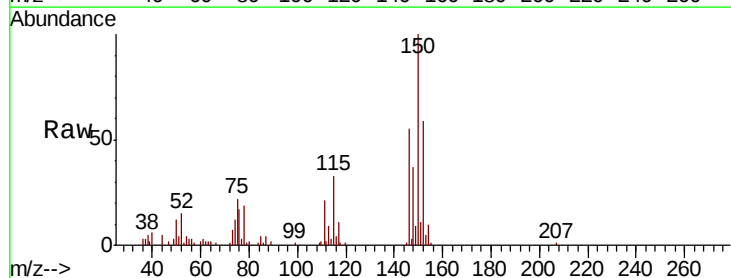
Tgt Ion:146 Resp: 18867

Ion Ratio Lower Upper

146 100

111 38.3 25.4 47.2

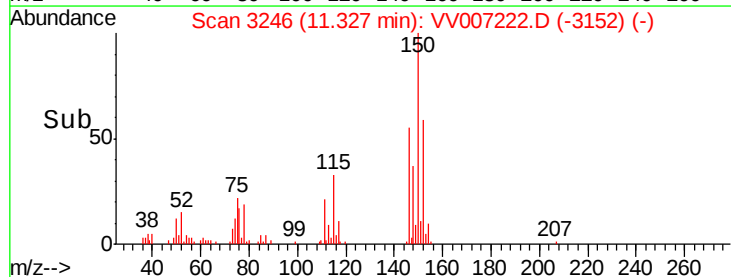
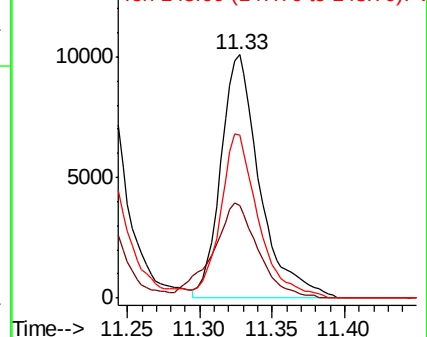
148 66.7 44.3 82.3

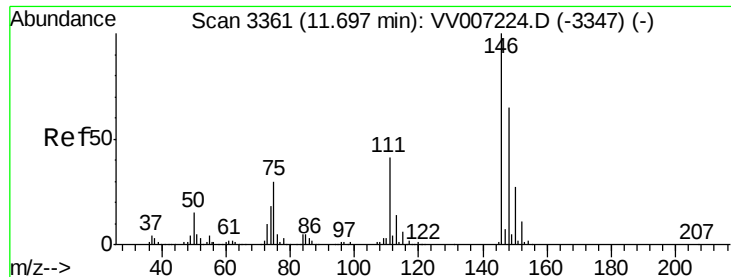


Abundance Ion 145.95 (145.65 to 146.65): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 0.479 ug/L

RT: 11.70 min Scan# 3362

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

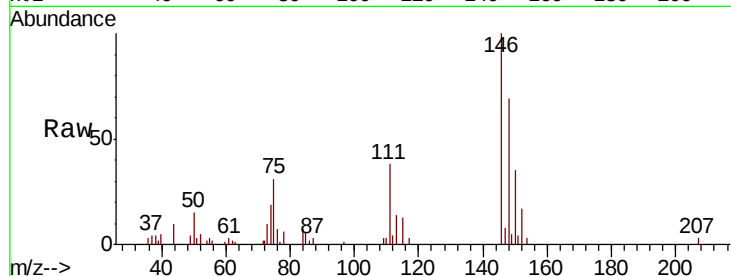
Tgt Ion: 146 Resp: 16919

Ion Ratio Lower Upper

146 100

111 38.3 33.0 49.6

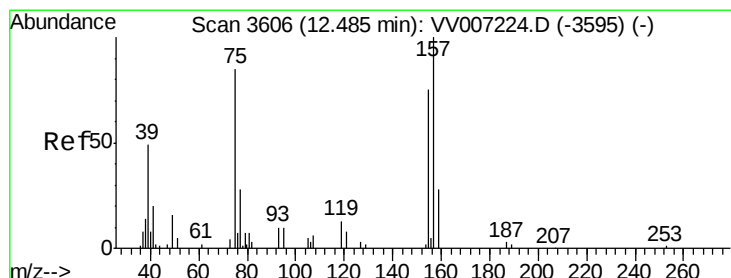
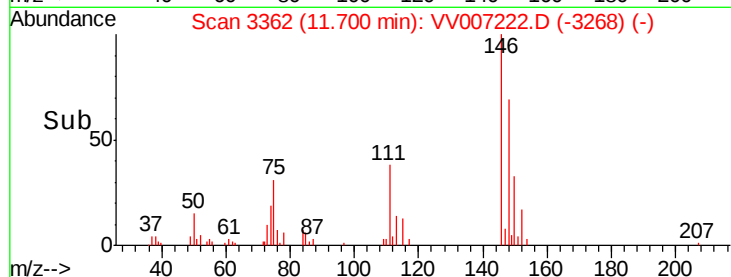
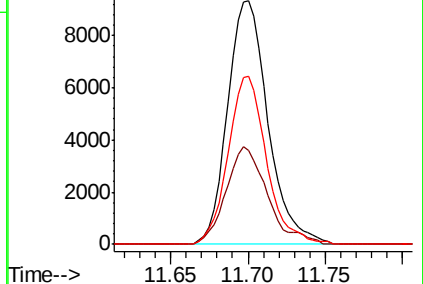
148 69.3 51.6 77.4



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



#66

1,2-Dibromo-3-chloropropane

Concen: 0.432 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

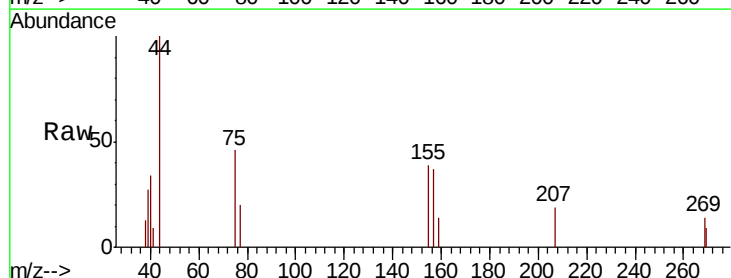
Tgt Ion: 75 Resp: 872

Ion Ratio Lower Upper

75 100

155 85.1 70.4 105.6

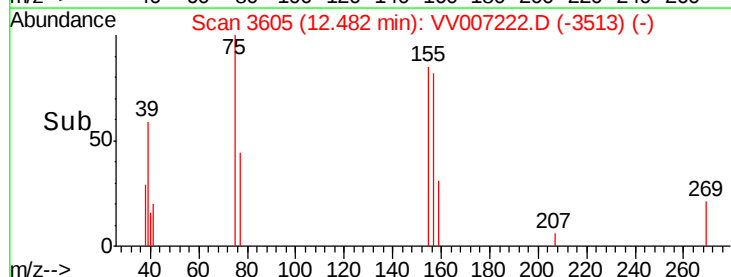
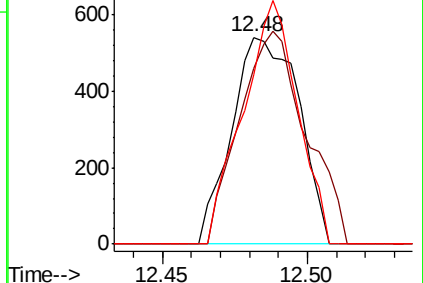
157 81.7 94.2 141.2#

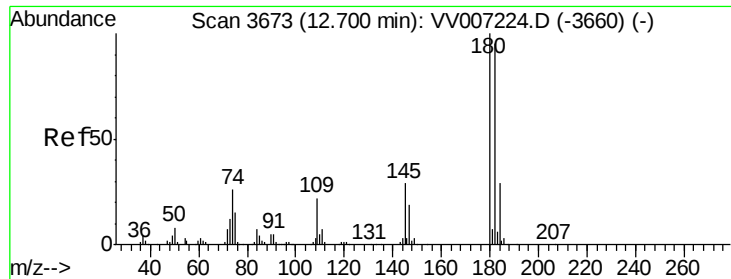


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

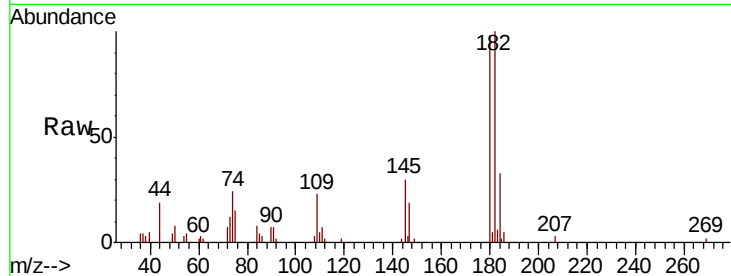




#67
 1,3,5-Trichlorobenzene
 Concen: 0.450 ug/L
 RT: 12.70 min Scan# 3674
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD0.576

Tgt Ion:	180	Resp:	11846
Ion	Ratio	Lower	Upper
180	100		
182	95.2	77.0	115.6
184	29.8	23.4	35.2
145	28.3	22.6	33.8



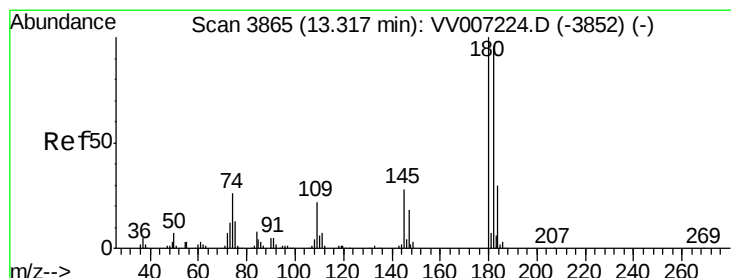
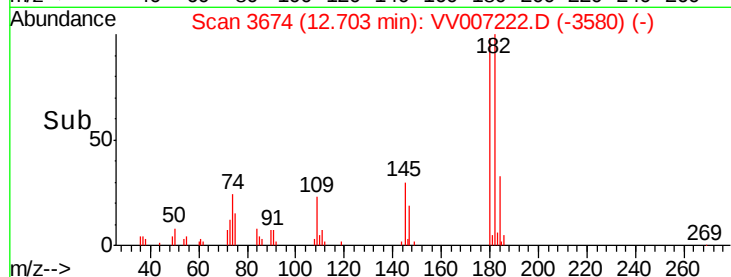
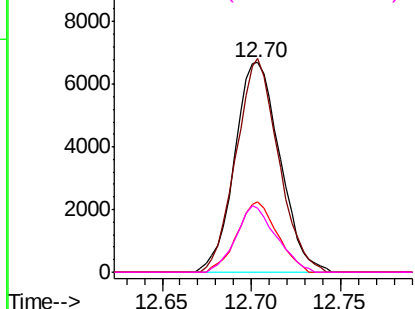
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

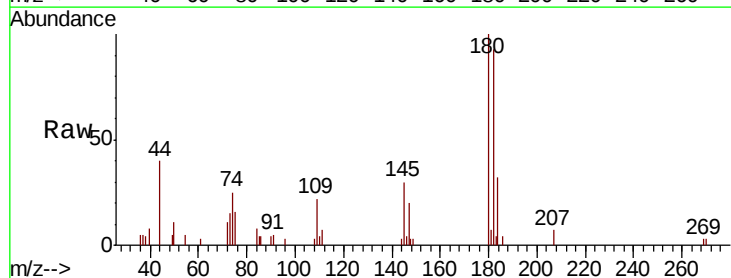
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 0.386 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007222.D
 Acq: 28 Aug 2018 11:53

Tgt Ion:	180	Resp:	6818
Ion	Ratio	Lower	Upper
180	100		
182	100.4	76.8	115.2
145	27.6	22.6	34.0

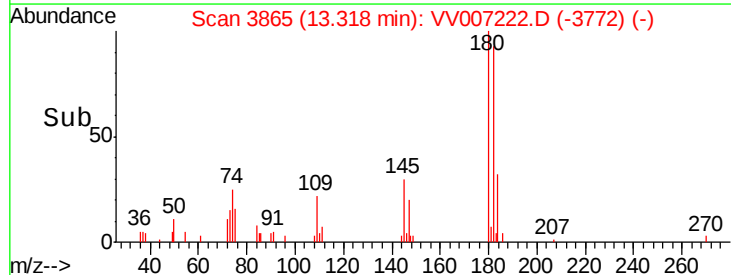
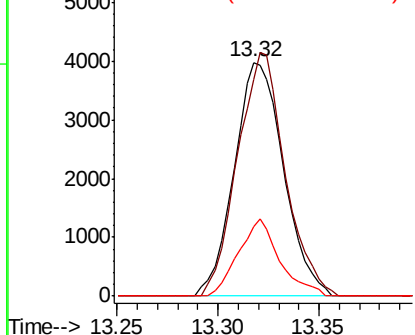


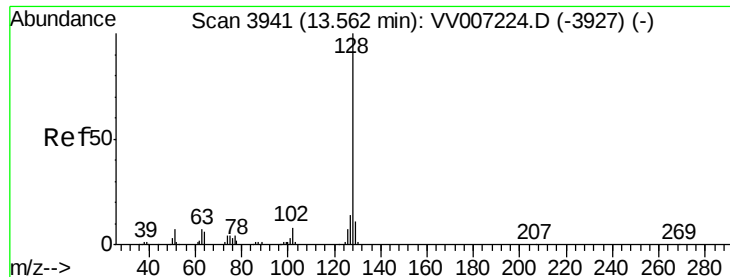
Abundance

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: 0.349 ug/L

RT: 13.57 min Scan# 3943

Delta R.T. 0.01 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

Instrument :

MSVOA_V

ClientSampleId :

VSTD0.576

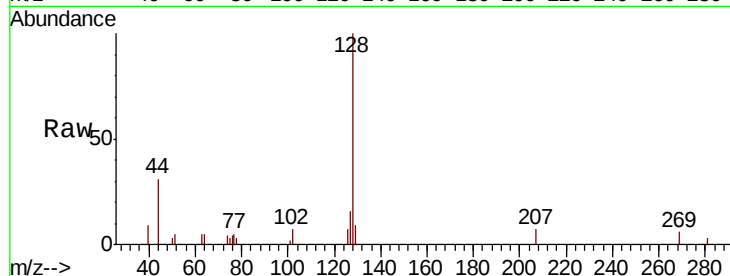
Tgt Ion:128 Resp: 8033

Ion Ratio Lower Upper

128 100

129 9.3 8.9 13.3

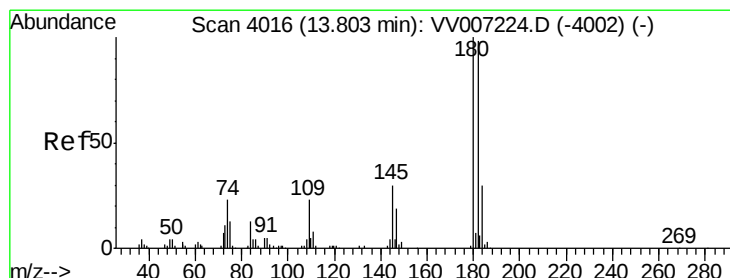
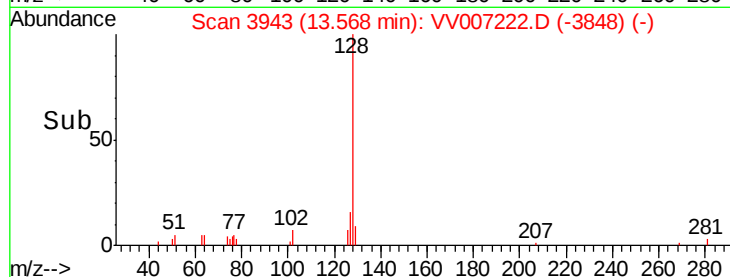
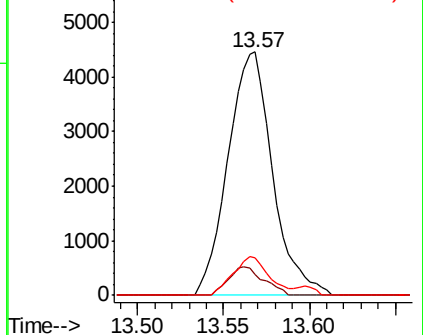
127 12.7 10.6 15.8



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: 0.411 ug/L

RT: 13.80 min Scan# 4016

Delta R.T. 0.00 min

Lab File: VV007222.D

Acq: 28 Aug 2018 11:53

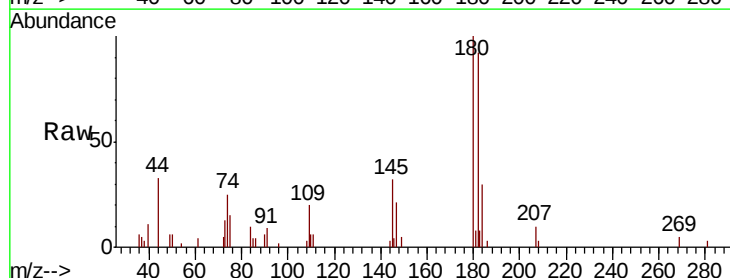
Tgt Ion:180 Resp: 7042

Ion Ratio Lower Upper

180 100

182 95.0 77.0 115.4

145 30.4 23.8 35.8



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

