

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082818\
 Data File : VV007229.D
 Acq On : 28 Aug 2018 15:56
 Operator : SY/MD
 Sample : VSTDICV005
 Misc : 25.0 mL/MSVOA_V/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Quant Time: Aug 29 01:26:07 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR082818WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Wed Aug 29 01:25:15 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	244810	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	242782	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	114575	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	80192	4.62	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	92.40%
7) Chloroethane-d5	1.58	69	68178	4.87	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	97.40%
11) 1,1-Dichloroethene-d2	2.13	63	147517	4.90	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	98.00%
20) 2-Butanone-d5	3.97	46	215581	49.68	ug/L	0.00
Spiked Amount	50.000	Range	40 - 130	Recovery	=	99.36%
24) Chloroform-d	4.40	84	172466	4.91	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	98.20%
26) 1,2-Dichloroethane-d4	5.09	65	83237	4.76	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	95.20%
32) Benzene-d6	5.10	84	329919	4.78	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	95.60%
36) 1,2-Dichloropropane-d6	6.12	67	105653	4.71	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	94.20%
41) Toluene-d8	7.36	98	305694	5.10	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	102.00%
43) trans-1,3-Dichloropropene-	7.67	79	37278	4.68	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	93.60%
46) 2-Hexanone-d5	8.14	63	96622	46.07	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	92.14%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	84059	4.82	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	96.40%
64) 1,2-Dichlorobenzene-d4	11.68	152	105802	4.81	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	96.20%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	97042	5.395	ug/L 98
3) Chloromethane	1.25	50	106323	5.393	ug/L 97
5) Vinyl chloride	1.32	62	100679	5.333	ug/L 99
6) Bromomethane	1.54	94	34246	5.067	ug/L 99
8) Chloroethane	1.60	64	60818	5.255	ug/L 99
9) Trichlorofluoromethane	1.77	101	138684	5.253	ug/L 99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	87720	5.288	ug/L 98
12) 1,1-Dichloroethene	2.14	96	78248	5.282	ug/L 91
13) Acetone	2.21	43	113694	52.250	ug/L 100
14) Carbon disulfide	2.32	76	221043	5.061	ug/L 100
15) Methyl Acetate	2.47	43	30025	5.203	ug/L 97
16) Methylene chloride	2.54	84	87754	4.886	ug/L 99
17) Methyl tert-butyl Ether	2.81	73	196291	5.146	ug/L 99
18) trans-1,2-Dichloroethene	2.79	96	86654	5.250	ug/L 97
19) 1,1-Dichloroethane	3.23	63	177770	5.291	ug/L 100
21) 2-Butanone	4.05	43	241864	53.455	ug/L 100
22) cis-1,2-Dichloroethene	3.96	96	95422	5.037	ug/L 99

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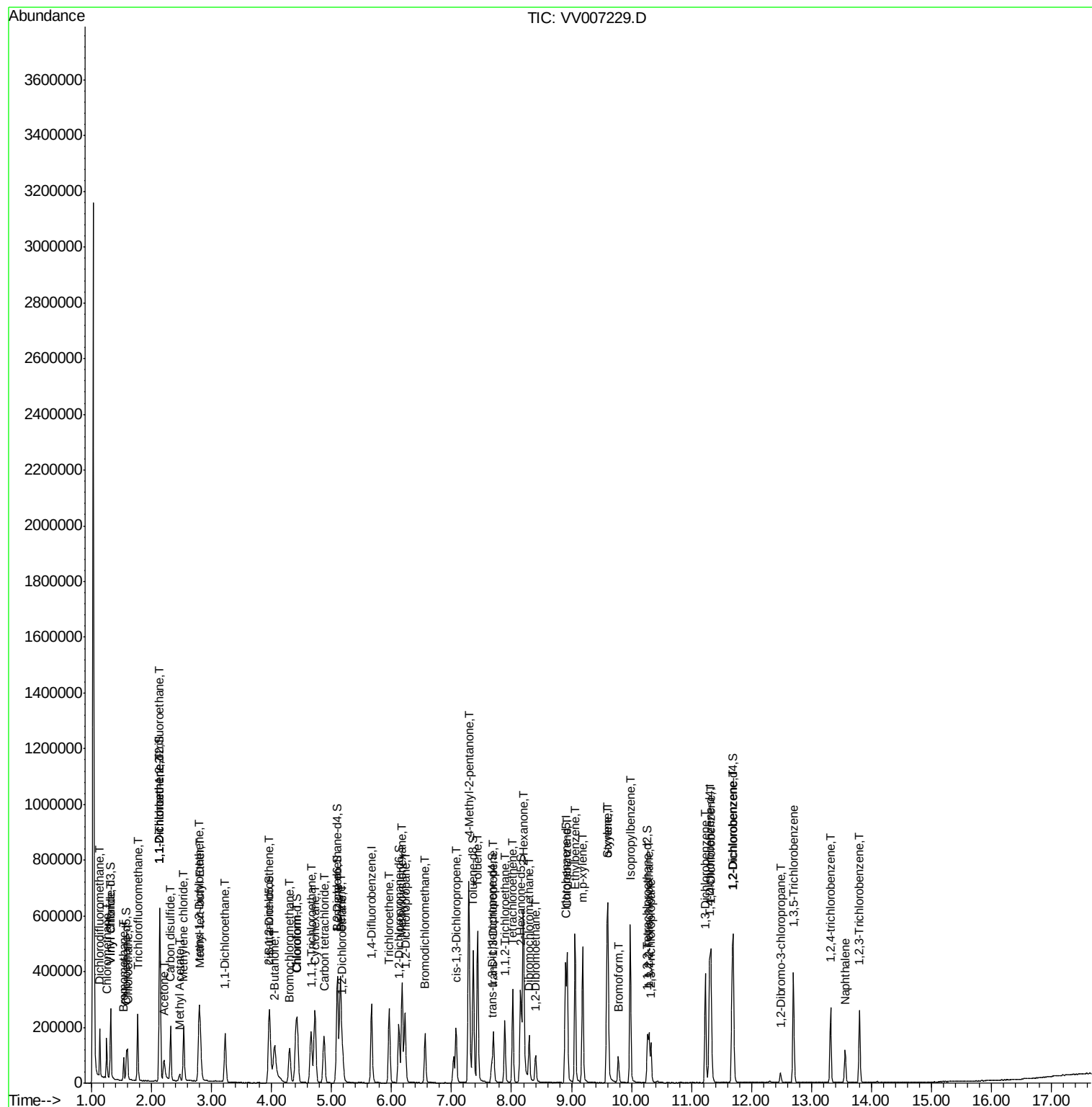
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	44414	5.177	ug/L	96
25) Chloroform	4.43	83	177856	5.287	ug/L	99
27) 1,2-Dichloroethane	5.19	62	103870	5.252	ug/L	98
29) 1,1,1-Trichloroethane	4.66	97	146921	5.193	ug/L	99
30) Cyclohexane	4.72	56	129085	5.185	ug/L	97
31) Carbon tetrachloride	4.87	117	127995	5.342	ug/L	100
33) Benzene	5.15	78	384028	5.340	ug/L	100
34) Trichloroethene	5.96	95	93234	5.140	ug/L	98
35) Methylcyclohexane	6.18	83	137769	5.193	ug/L	99
37) 1,2-Dichloropropane	6.23	63	104439	5.471	ug/L	99
38) Bromodichloromethane	6.56	83	120238	5.253	ug/L	96
39) cis-1,3-Dichloropropene	7.08	75	123181	5.202	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	534659	53.480	ug/L	98
42) Toluene	7.43	91	389242	5.512	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	102822	5.206	ug/L	97
45) 1,1,2-Trichloroethane	7.89	97	71284	5.180	ug/L	99
47) Tetrachloroethene	8.02	164	79722	5.318	ug/L	100
48) 2-Hexanone	8.20	43	440497	59.041	ug/L	97
49) Dibromochloromethane	8.30	129	81396	5.255	ug/L	98
50) 1,2-Dibromoethane	8.40	107	63430	5.392	ug/L	97
51) Chlorobenzene	8.93	112	245472	5.113	ug/L	98
52) Ethylbenzene	9.06	91	369019	5.202	ug/L	98
53) m,p-xylene	9.19	106	143278	5.304	ug/L	96
54) o-xylene	9.59	106	135381	5.385	ug/L	98
55) Styrene	9.61	104	240152	5.449	ug/L	98
56) Isopropylbenzene	9.98	105	356129	5.327	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	83316	5.176	ug/L	93
59) 1,2,3-Trichloropropane	10.32	75	60318	5.201	ug/L	95
61) Bromoform	9.78	173	44569	5.183	ug/L	97
62) 1,3-Dichlorobenzene	11.23	146	174228	5.069	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	186209	5.126	ug/L	98
65) 1,2-Dichlorobenzene	11.70	146	180962	5.268	ug/L	97
66) 1,2-Dibromo-3-chloropropan	12.48	75	9943	4.942	ug/L	90
67) 1,3,5-Trichlorobenzene	12.70	180	134114	5.332	ug/L	99
68) 1,2,4-trichlorobenzene	13.32	180	90432	5.340	ug/L	99
69) Naphthalene	13.56	128	100817	4.765	ug/L	98
70) 1,2,3-Trichlorobenzene	13.80	180	84583	5.090	ug/L	99

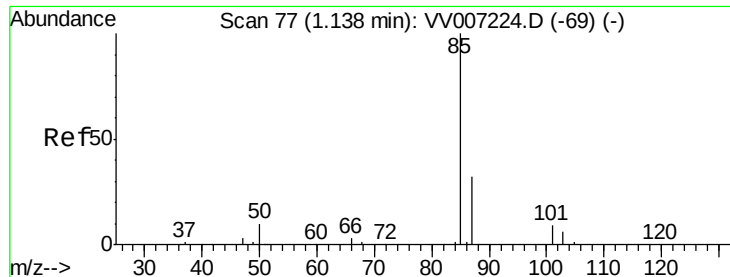
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.395 ug/L

RT: 1.14 min Scan# 77

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

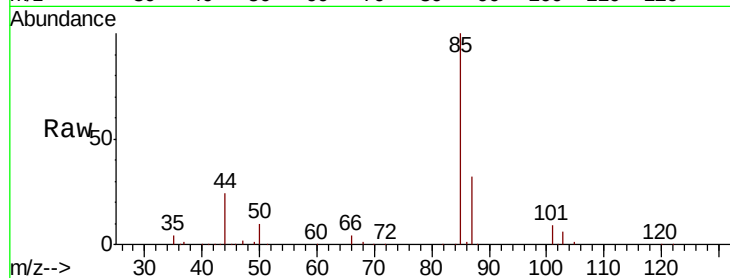
VICV62

Tgt Ion: 85 Resp: 97042

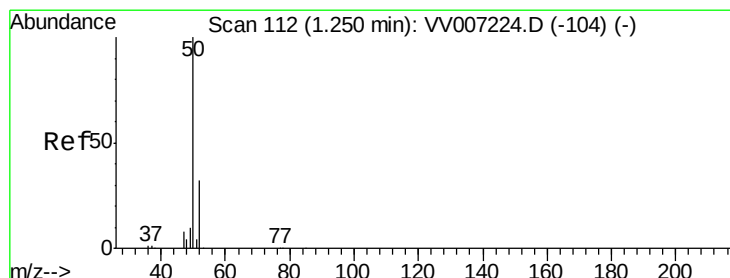
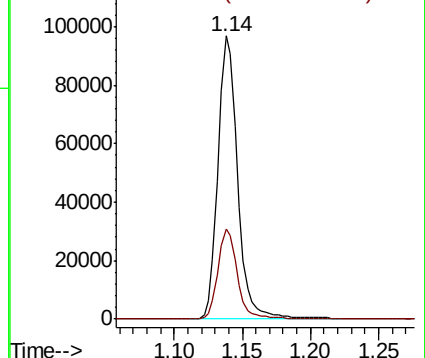
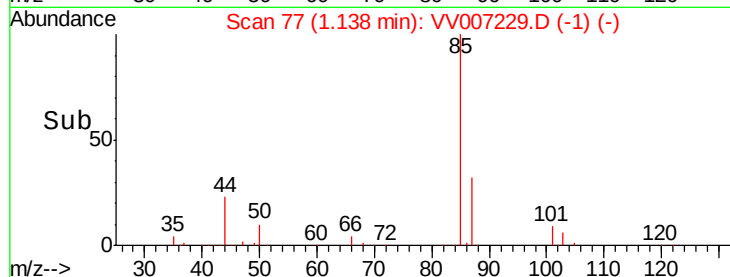
Ion Ratio Lower Upper

85 100

87 31.1 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007229.D (-1) (-)



#3

Chloromethane

Concen: 5.393 ug/L

RT: 1.25 min Scan# 112

Delta R.T. 0.00 min

Lab File: VV007229.D

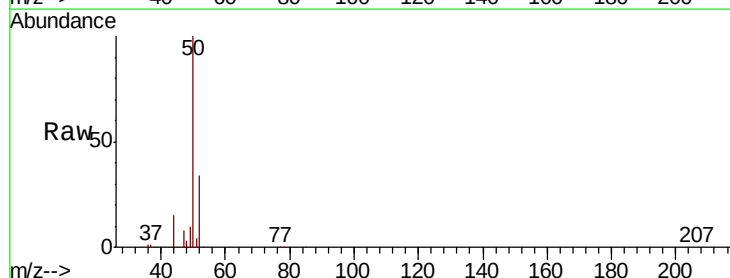
Acq: 28 Aug 2018 15:56

Tgt Ion: 50 Resp: 106323

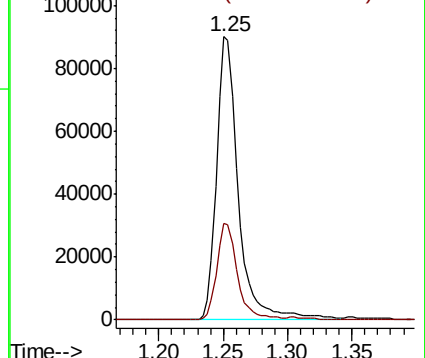
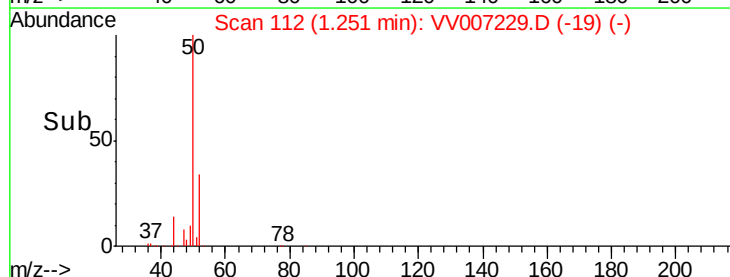
Ion Ratio Lower Upper

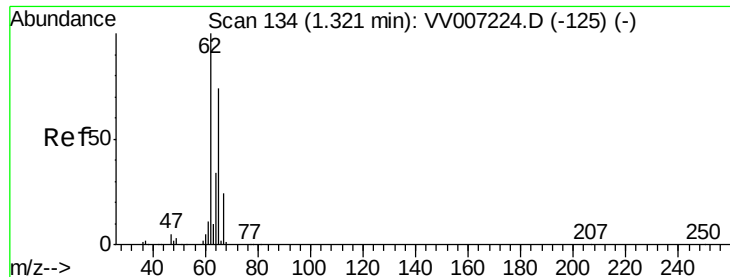
50 100

52 34.0 22.5 41.9



Abundance Ion 50.05 (49.75 to 50.75): VV007229.D (-19) (-)





#5

Vinyl chloride

Concen: 5.333 ug/L

RT: 1.32 min Scan# 134

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

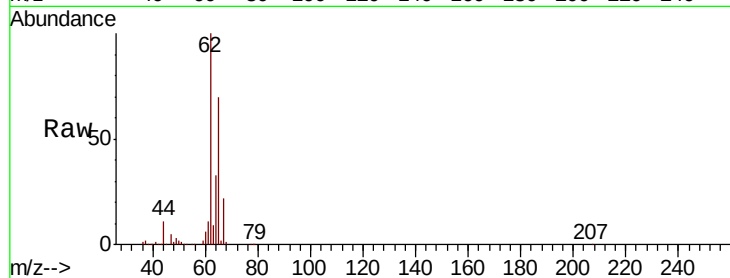
VICV62

Tgt Ion: 62 Resp: 100679

Ion Ratio Lower Upper

62 100

64 32.8 23.6 43.8



Abundance Ion 62.00 (61.70 to 62.70): VV007229.D (-125) (-)

Ion 64.10 (63.80 to 64.80): VV007229.D (-125) (-)

1.32

100000

80000

60000

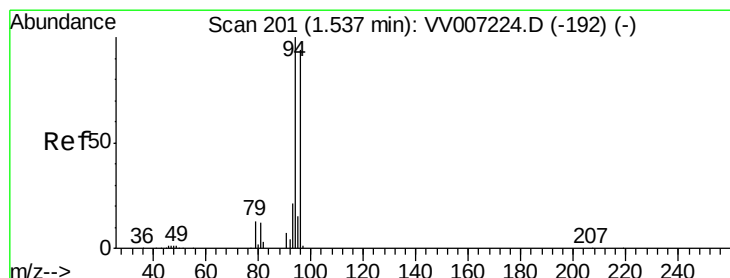
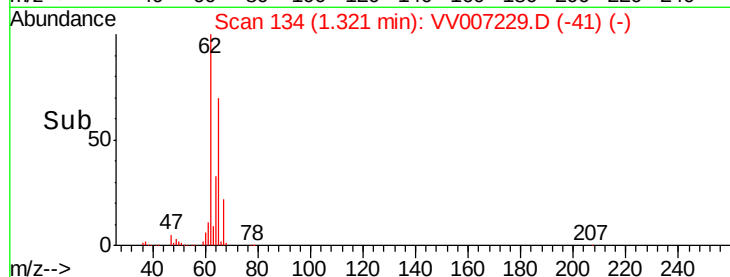
40000

20000

0

1.30 1.40

Time-->



#6

Bromomethane

Concen: 5.067 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007229.D

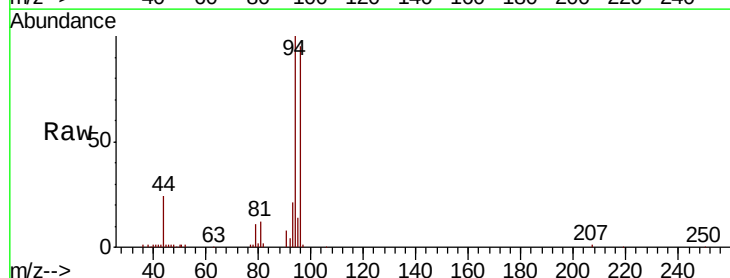
Acq: 28 Aug 2018 15:56

Tgt Ion: 94 Resp: 34246

Ion Ratio Lower Upper

94 100

96 94.8 65.8 122.2



Abundance Ion 94.00 (93.70 to 94.70): VV007229.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007229.D (-192) (-)

1.54

30000

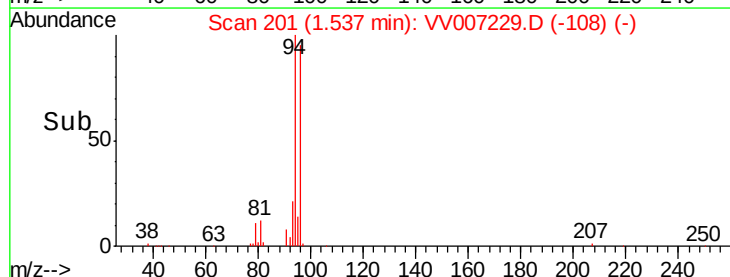
20000

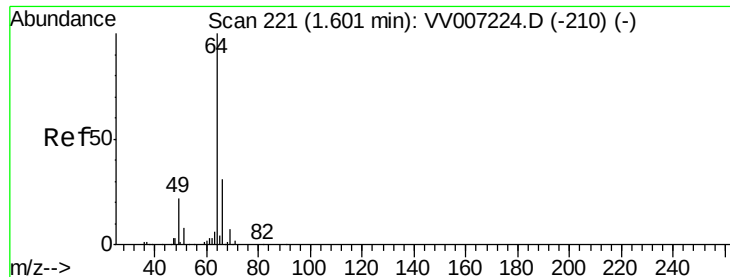
10000

0

1.50 1.55 1.60

Time-->

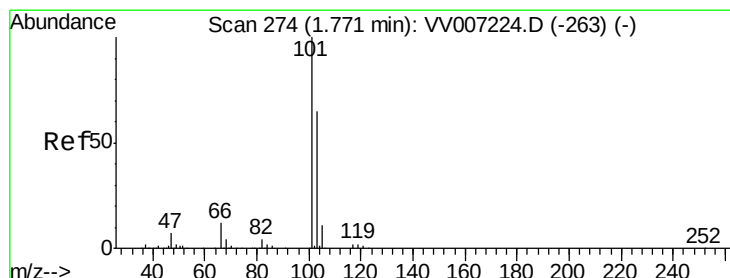
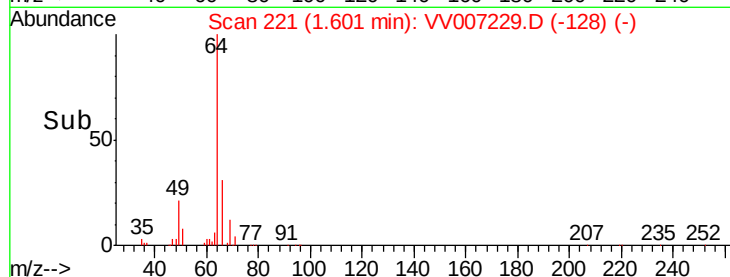
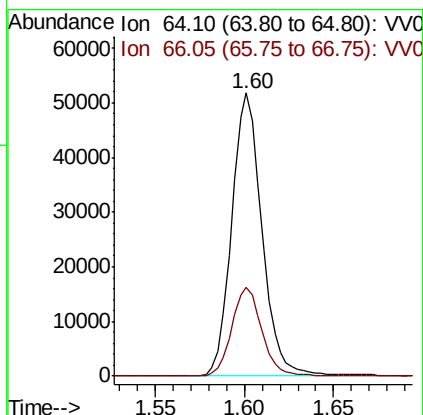
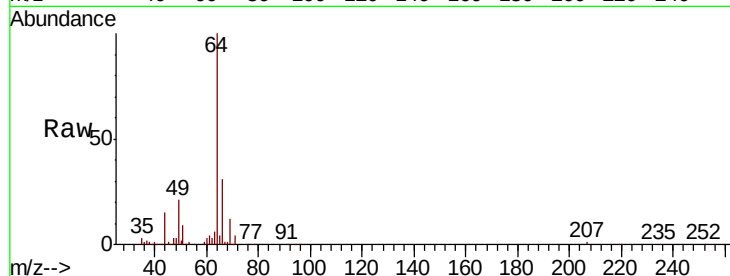




#8
Chloroethane
Concen: 5.255 ug/L
RT: 1.60 min Scan# 221
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

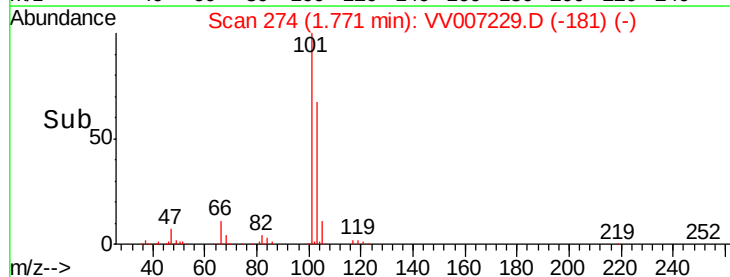
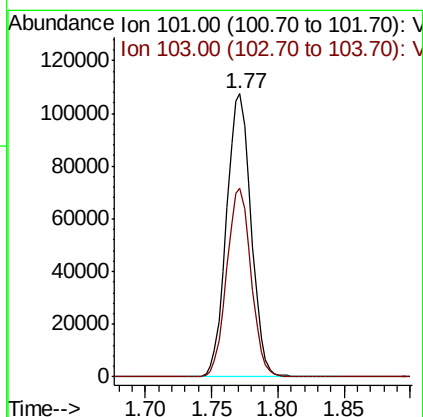
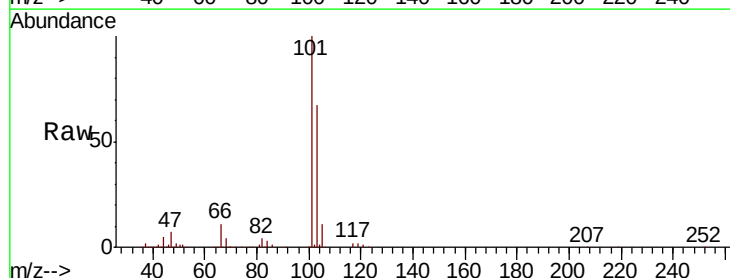
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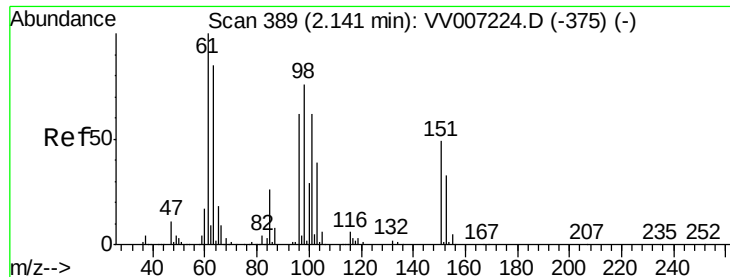
Tgt Ion: 64 Resp: 60818
Ion Ratio Lower Upper
64 100
66 31.3 22.2 41.2



#9
Trichlorofluoromethane
Concen: 5.253 ug/L
RT: 1.77 min Scan# 274
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion: 101 Resp: 138684
Ion Ratio Lower Upper
101 100
103 66.1 51.9 77.9





#10

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

Concen: 5.288 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

VICV62

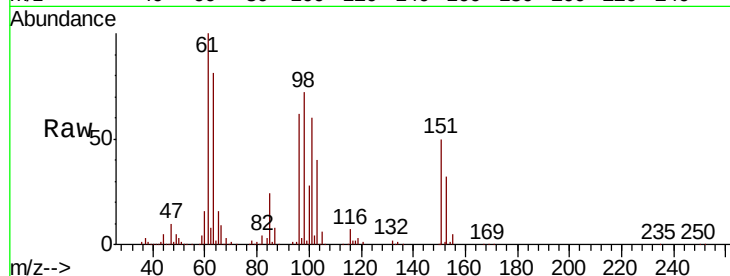
Tgt Ion: 101 Resp: 87720

Ion Ratio Lower Upper

101 100

85 41.1 33.2 49.8

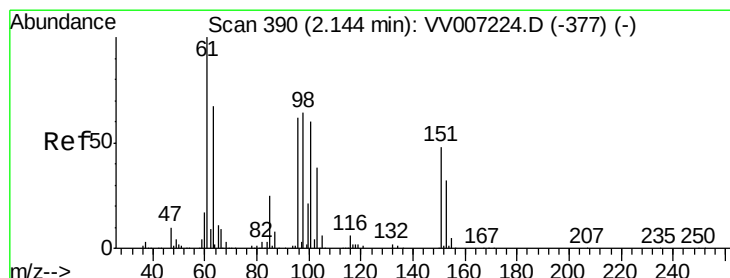
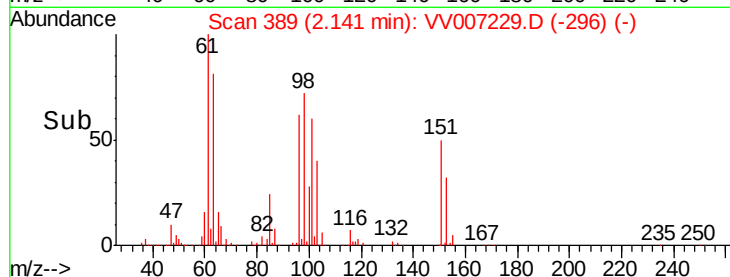
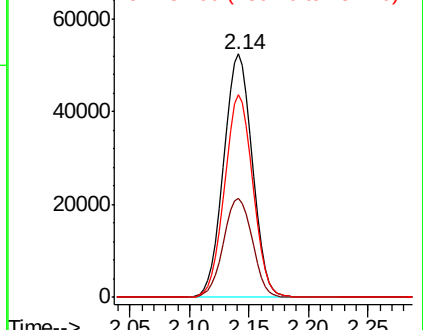
151 82.2 63.8 95.8



Abundance Ion 101.00 (100.70 to 101.70): VV007229.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007229.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007229.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 5.282 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

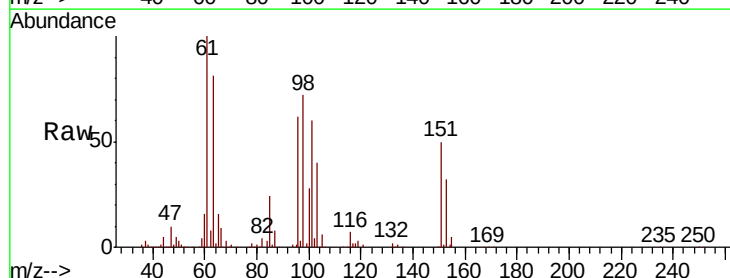
Tgt Ion: 96 Resp: 78248

Ion Ratio Lower Upper

96 100

61 161.3 112.3 208.5

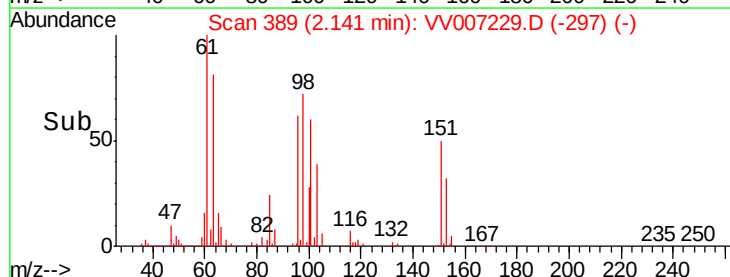
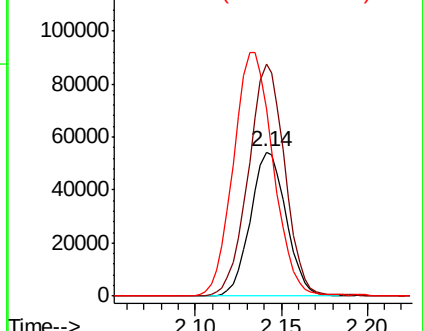
63 130.1 75.4 140.0

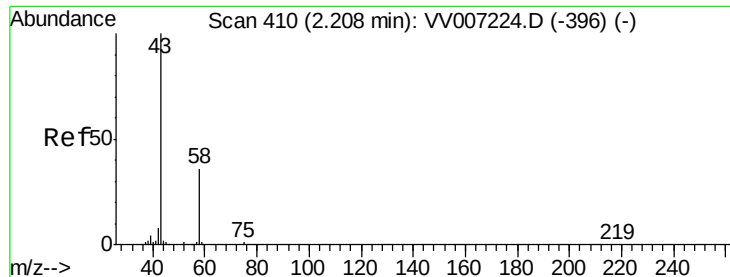


Abundance Ion 96.00 (95.70 to 96.70): VV007229.D (-297) (-)

Ion 61.05 (60.75 to 61.75): VV007229.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007229.D (-297) (-)

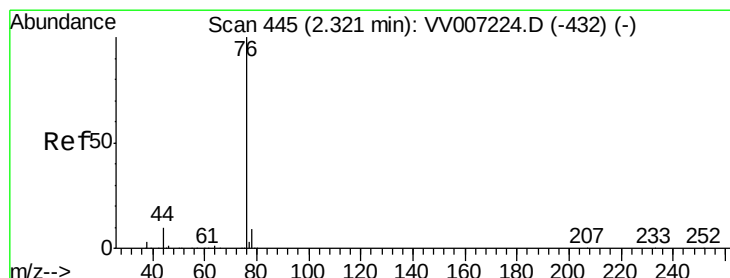
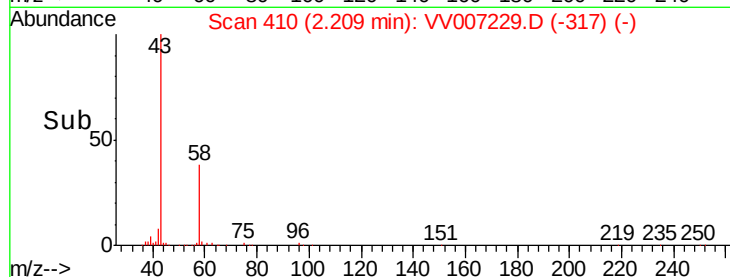
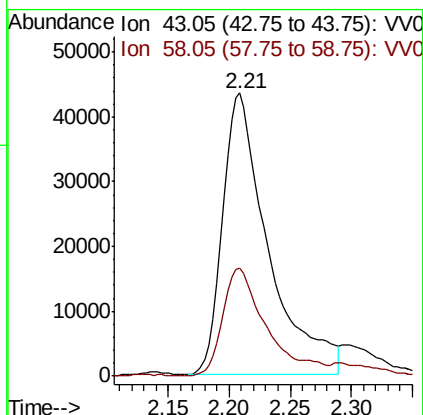
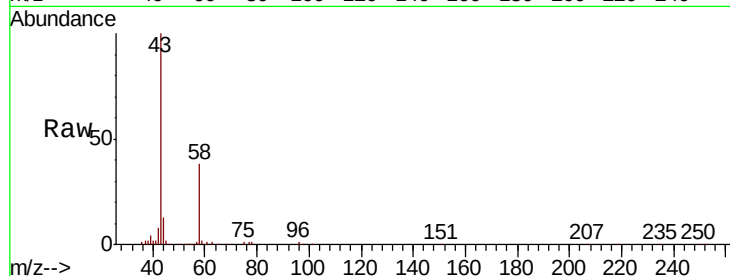




#13
Acetone
Concen: 52.250 ug/L
RT: 2.21 min Scan# 410
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

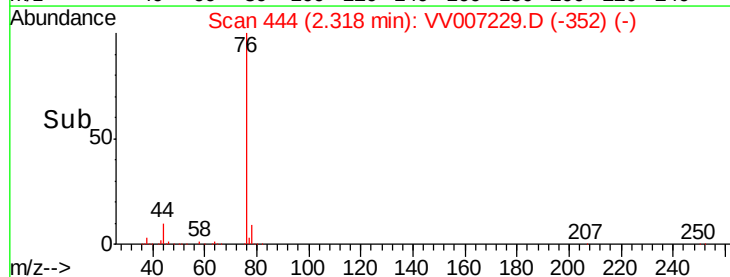
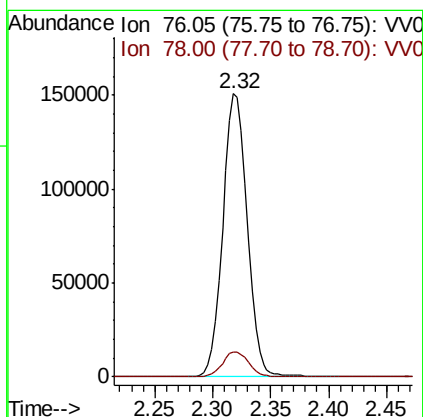
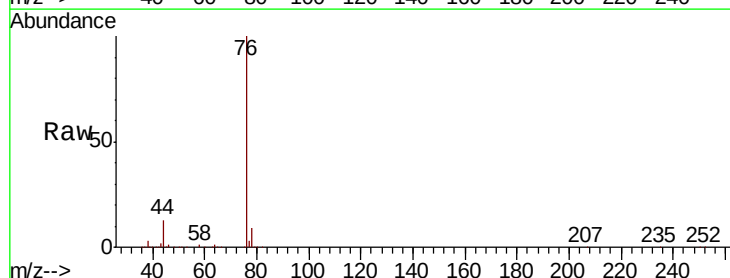
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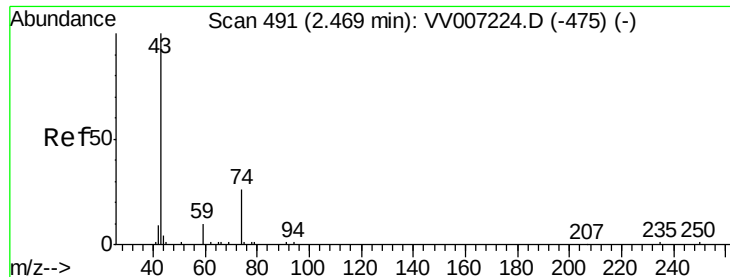
Tgt Ion: 43 Resp: 113694
Ion Ratio Lower Upper
43 100
58 34.8 0.0 70.2



#14
Carbon disulfide
Concen: 5.061 ug/L
RT: 2.32 min Scan# 444
Delta R.T. -0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion: 76 Resp: 221043
Ion Ratio Lower Upper
76 100
78 9.0 7.2 10.8

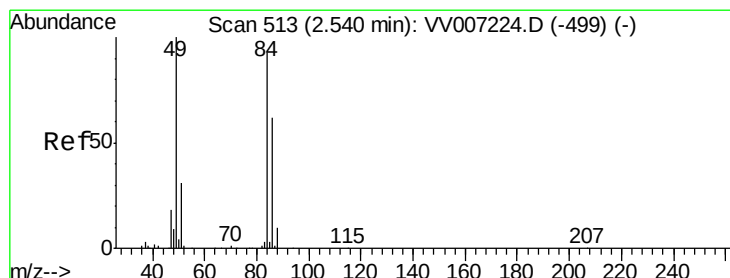
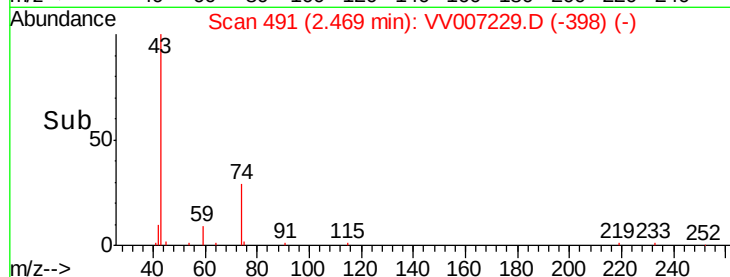
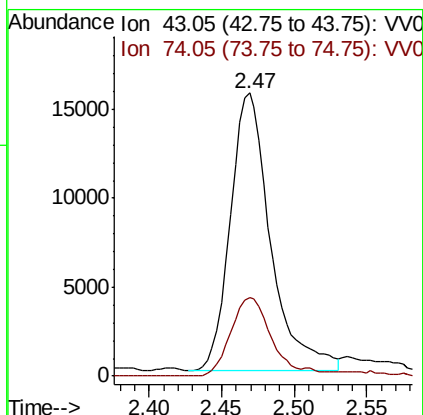
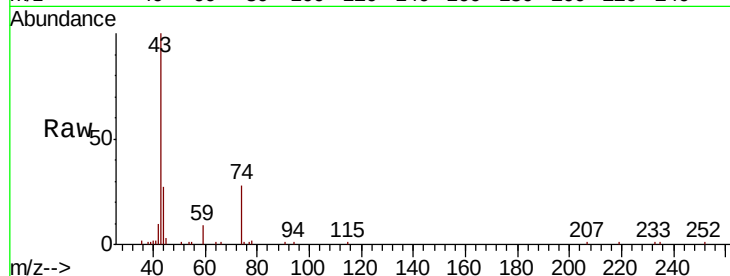




#15
Methyl Acetate
Concen: 5.203 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

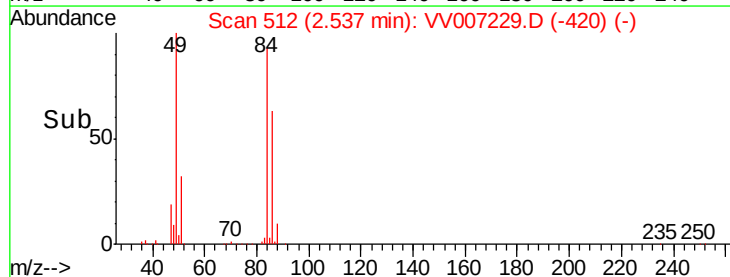
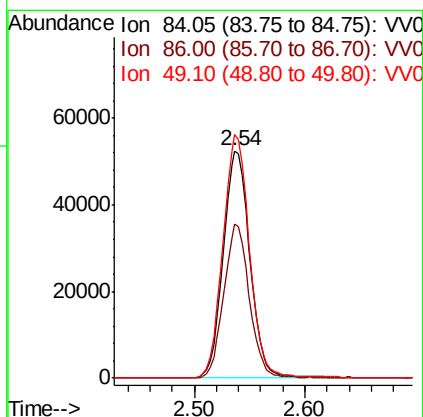
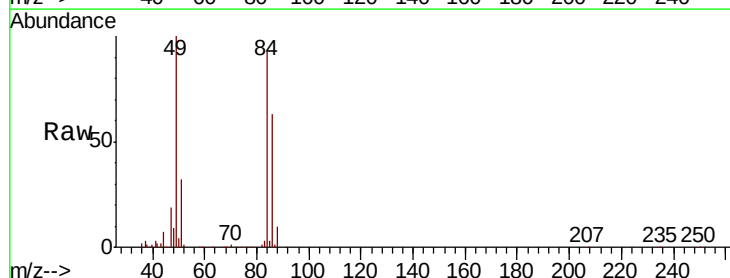
Instrument :
MSVOA_V
ClientSampleId :
VICV62

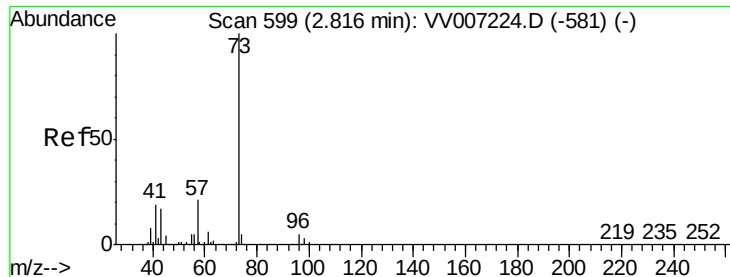
Tgt Ion: 43 Resp: 30025
Ion Ratio Lower Upper
43 100
74 29.3 22.2 33.2



#16
Methylene chloride
Concen: 4.886 ug/L
RT: 2.54 min Scan# 512
Delta R.T. -0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion: 84 Resp: 87754
Ion Ratio Lower Upper
84 100
86 67.6 46.3 85.9
49 107.1 75.2 139.6





#17

Methyl tert-butyl Ether

Concen: 5.146 ug/L

RT: 2.81 min Scan# 598

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

VICV62

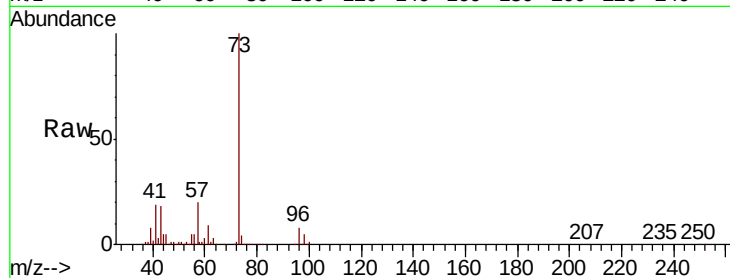
Tgt Ion: 73 Resp: 196291

Ion Ratio Lower Upper

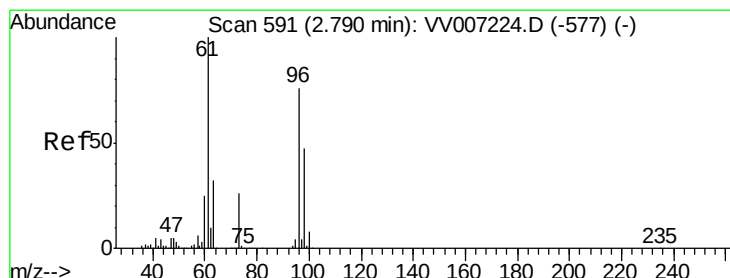
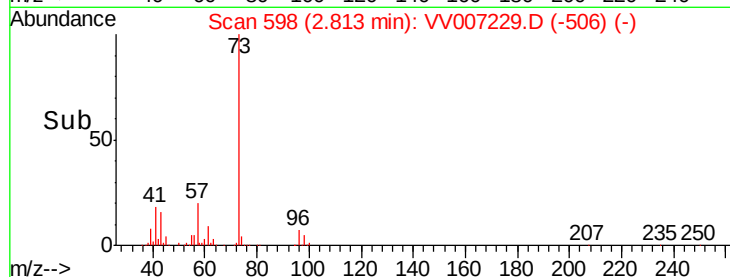
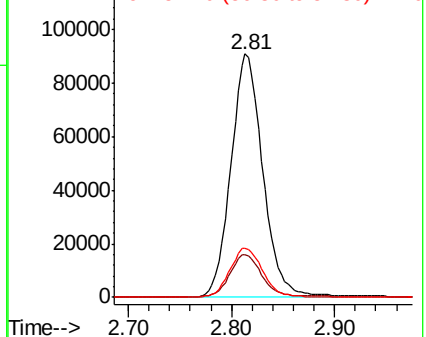
73 100

43 17.7 13.8 20.6

57 20.8 16.9 25.3



Abundance Ion 73.10 (72.80 to 73.80): VV0
Ion 43.05 (42.75 to 43.75): VV0
Ion 57.10 (56.80 to 57.80): VV0



#18

trans-1,2-Dichloroethene

Concen: 5.250 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

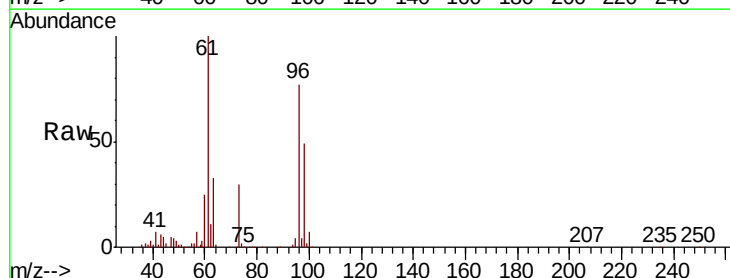
Tgt Ion: 96 Resp: 86654

Ion Ratio Lower Upper

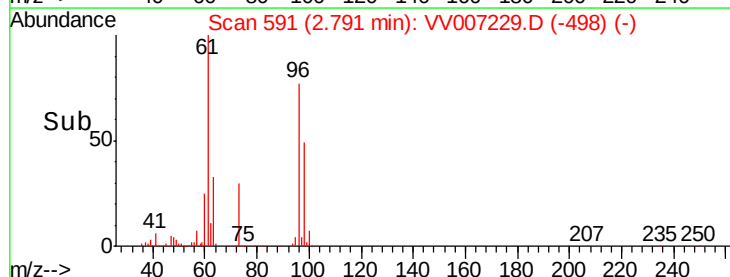
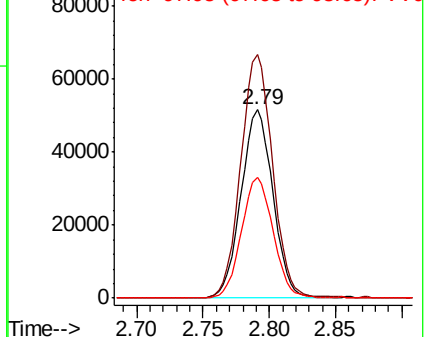
96 100

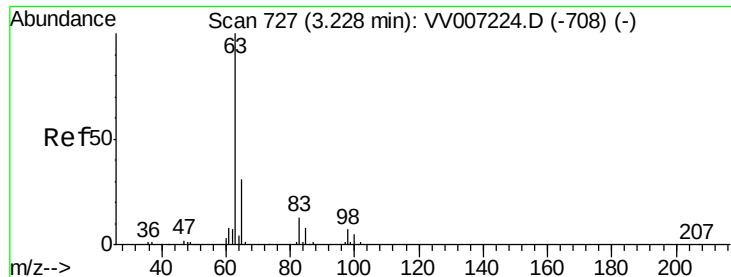
61 129.5 92.7 172.1

98 64.0 43.2 80.2



Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 97.95 (97.65 to 98.65): VV0

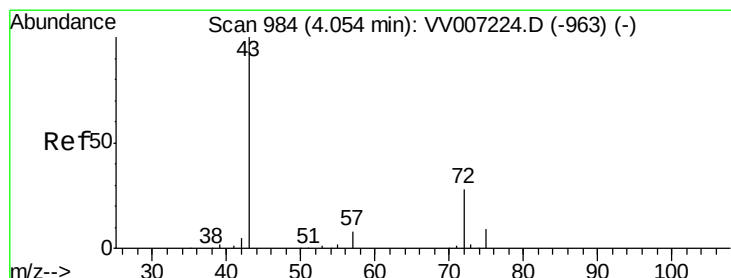
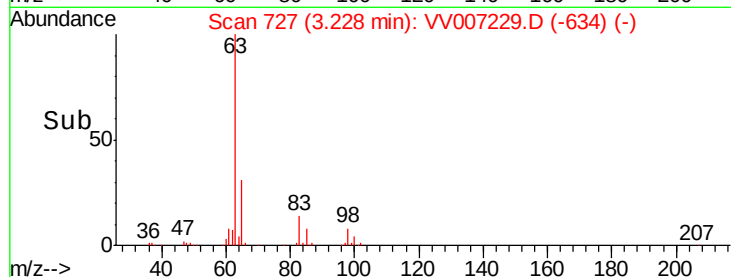
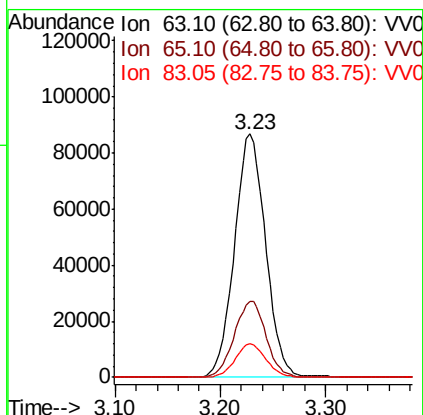
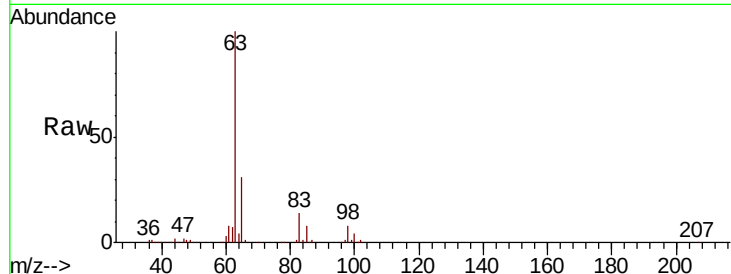




#19
 1,1-Dichloroethane
 Concen: 5.291 ug/L
 RT: 3.23 min Scan# 727
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

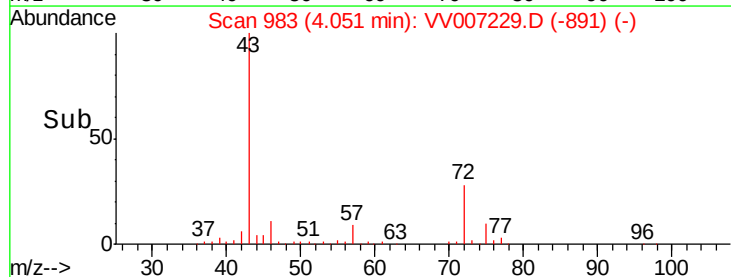
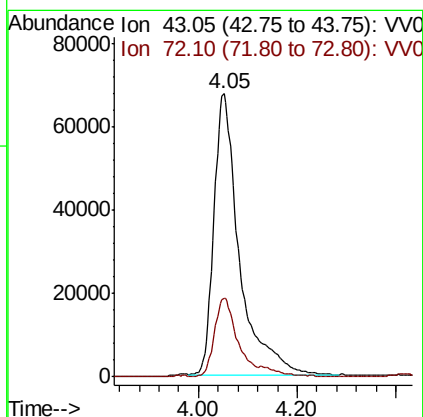
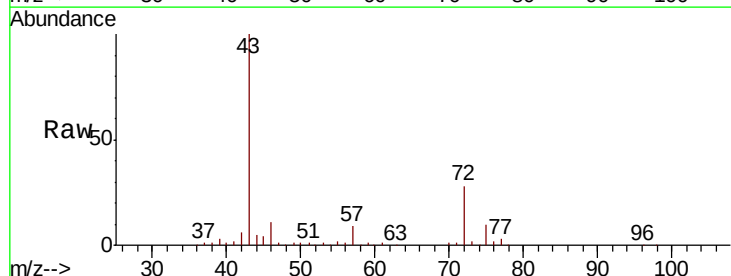
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

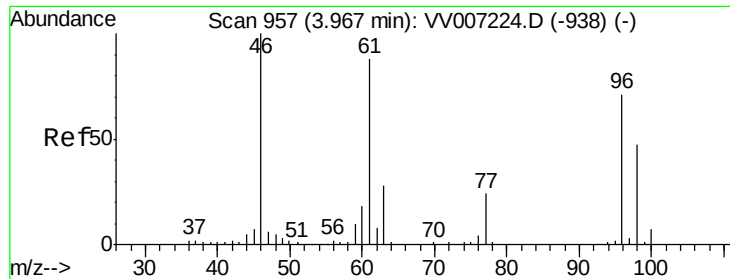
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.1	21.8	40.4
83	13.6	9.4	17.4



#21
 2-Butanone
 Concen: 53.455 ug/L
 RT: 4.05 min Scan# 983
 Delta R.T. -0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Tgt Ion	Ratio	Lower	Upper
43	100		
72	24.5	12.4	37.0



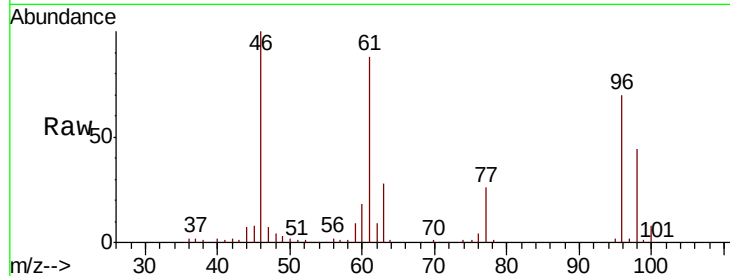


#22

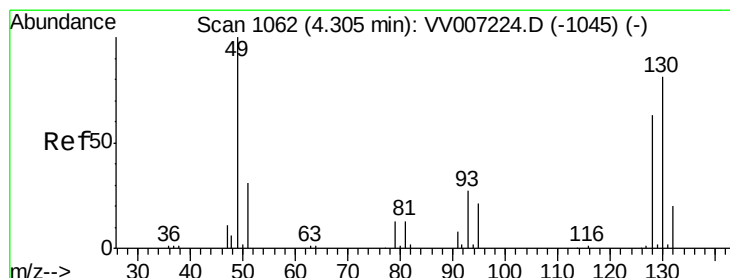
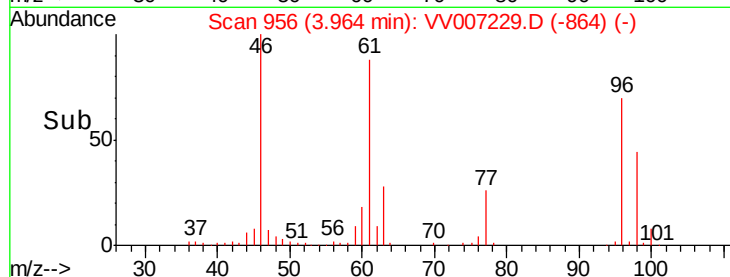
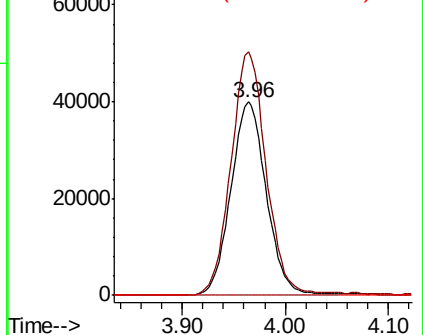
cis-1,2-Dichloroethene
Concen: 5.037 ug/L
RT: 3.96 min Scan# 956
Delta R.T. -0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Instrument :
MSVOA_V
ClientSampleId :
VICV62

Tgt Ion: 96 Resp: 95422
Ion Ratio Lower Upper
96 100
61 126.0 87.1 161.7
68 0.0 0.0 0.0



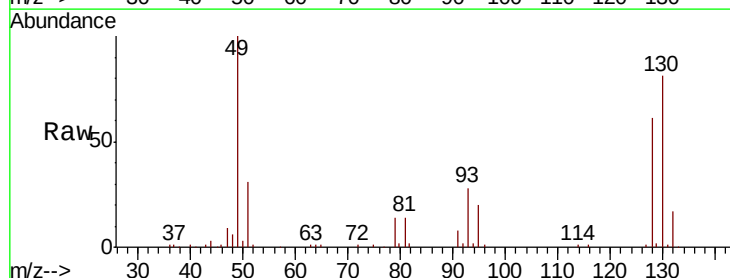
Abundance Ion 96.00 (95.70 to 96.70): VV0
Ion 61.05 (60.75 to 61.75): VV0
Ion 68.15 (67.85 to 68.85): VV0



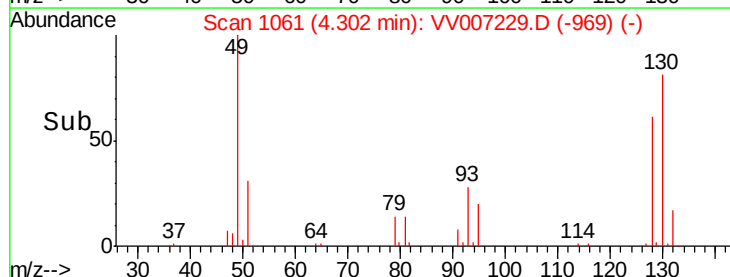
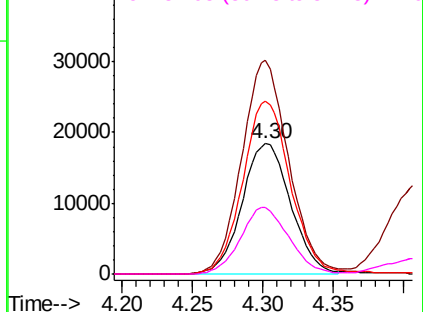
#23

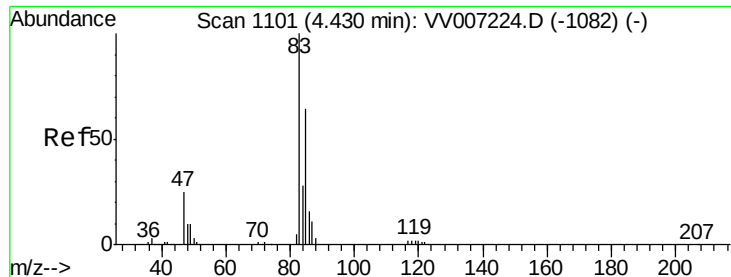
Bromochloromethane
Concen: 5.177 ug/L
RT: 4.30 min Scan# 1061
Delta R.T. -0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion: 128 Resp: 44414
Ion Ratio Lower Upper
128 100
49 164.1 111.1 206.3
130 132.6 90.0 167.2
51 51.1 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

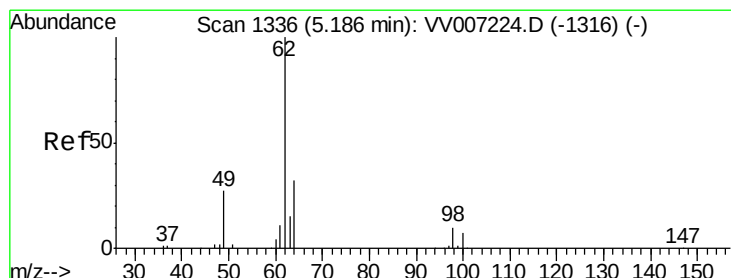
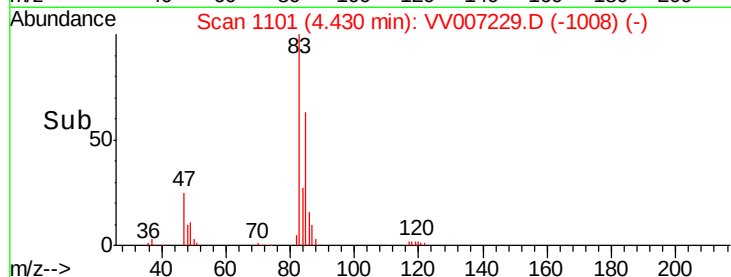
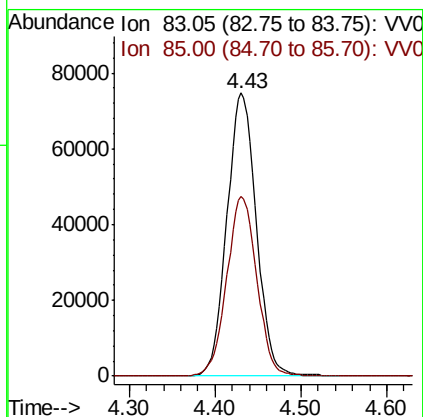
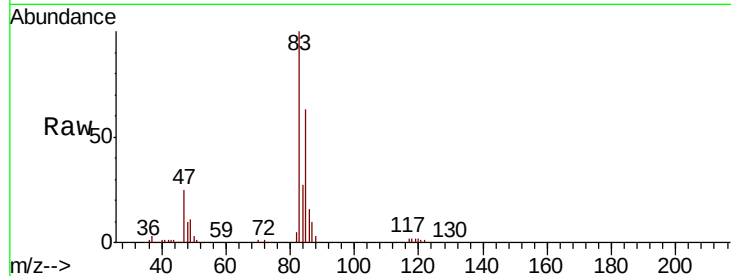




#25
Chloroform
Concen: 5.287 ug/L
RT: 4.43 min Scan# 1101
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

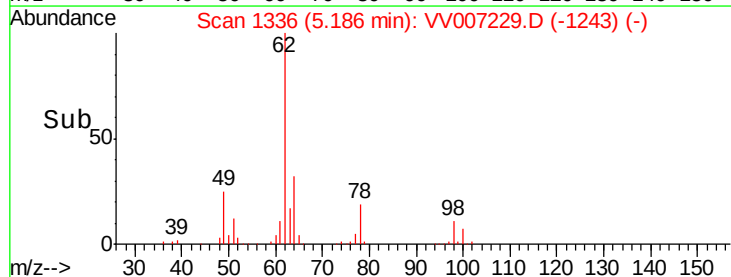
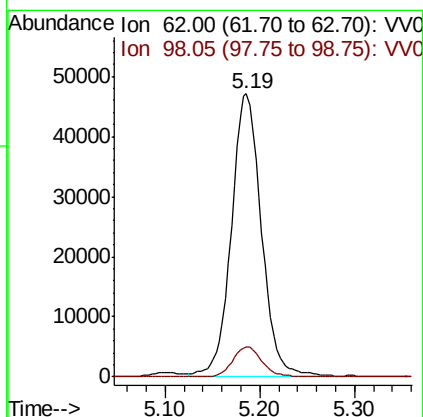
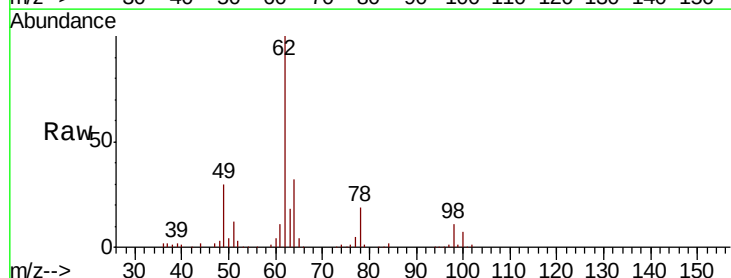
Instrument :
MSVOA_V
ClientSampleId :
VICV62

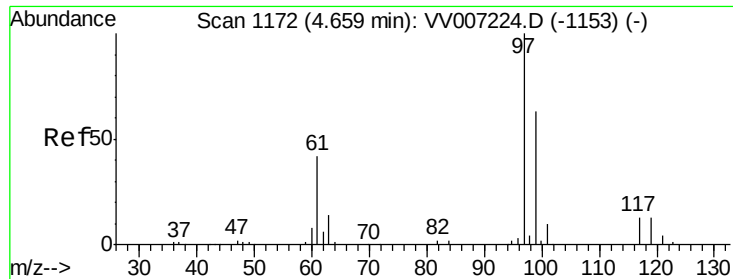
Tgt Ion: 83 Resp: 177856
Ion Ratio Lower Upper
83 100
85 63.5 45.0 83.6



#27
1,2-Dichloroethane
Concen: 5.252 ug/L
RT: 5.19 min Scan# 1336
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion: 62 Resp: 103870
Ion Ratio Lower Upper
62 100
98 10.7 8.1 12.1

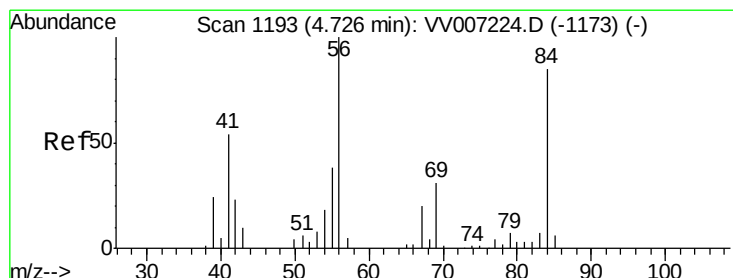
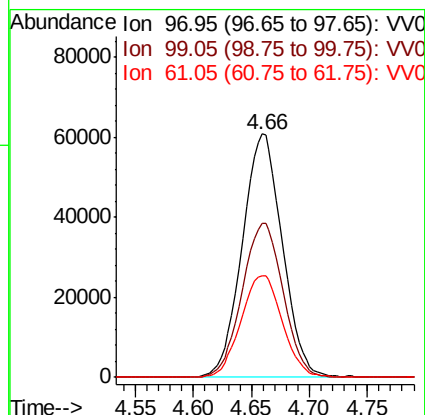
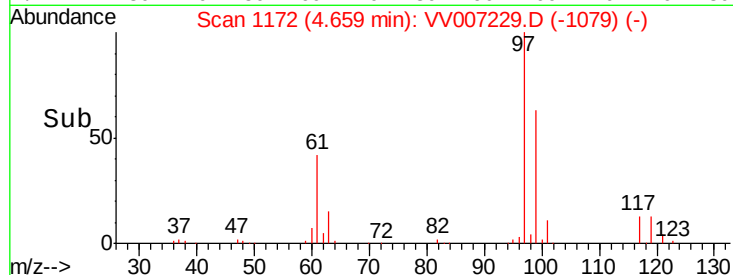
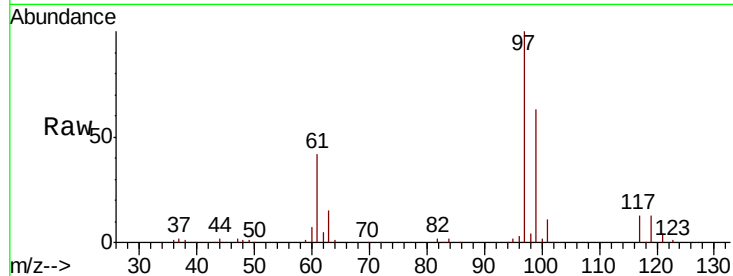




#29
 1,1,1-Trichloroethane
 Concen: 5.193 ug/L
 RT: 4.66 min Scan# 1172
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

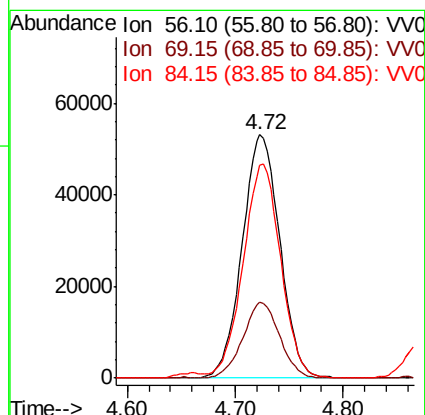
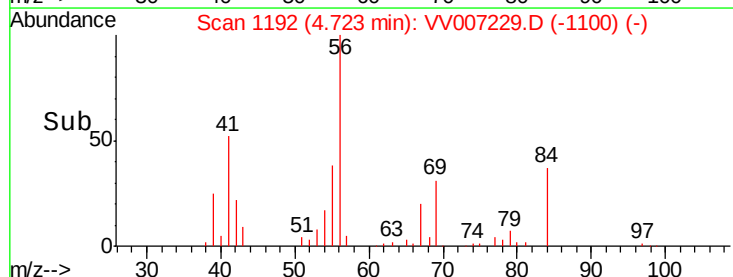
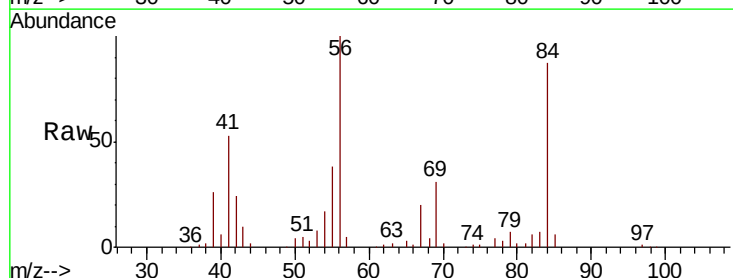
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

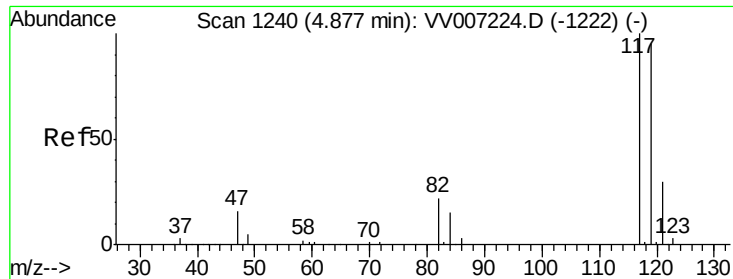
Tgt Ion: 97 Resp: 146921
 Ion Ratio Lower Upper
 97 100
 99 64.7 50.8 76.2
 61 43.4 34.6 51.8



#30
 Cyclohexane
 Concen: 5.185 ug/L
 RT: 4.72 min Scan# 1192
 Delta R.T. -0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Tgt Ion: 56 Resp: 129085
 Ion Ratio Lower Upper
 56 100
 69 30.5 24.8 37.2
 84 87.9 72.9 109.3

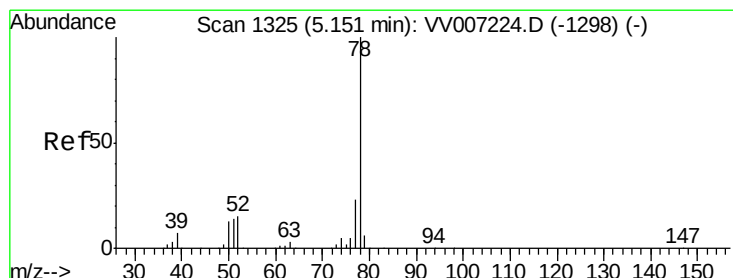
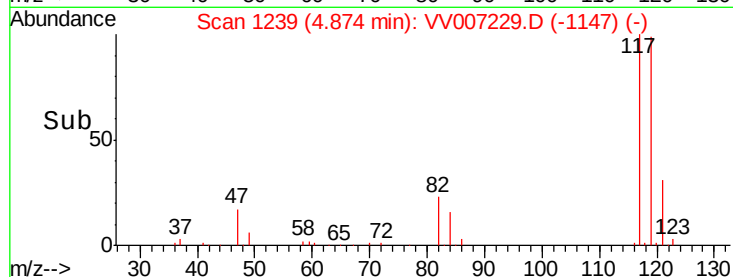
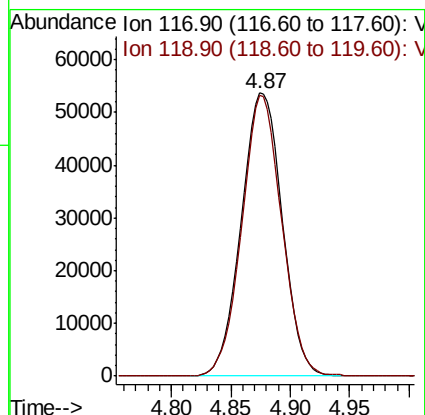
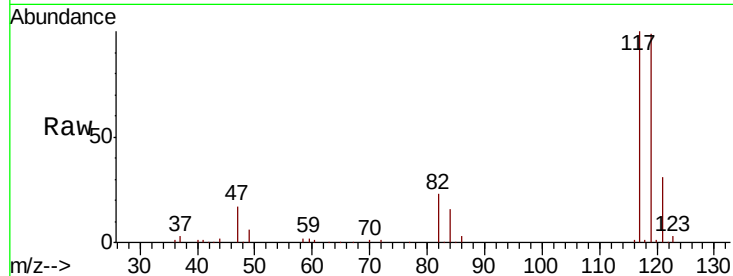




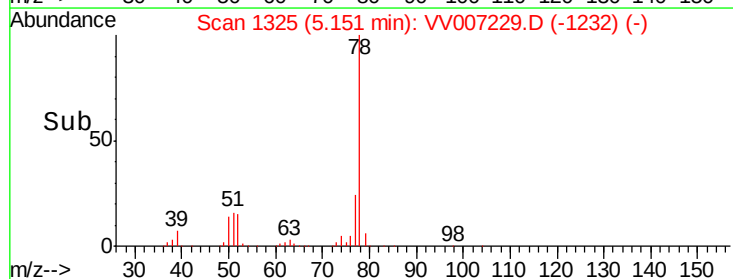
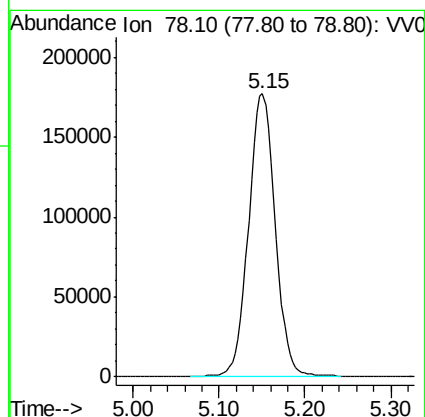
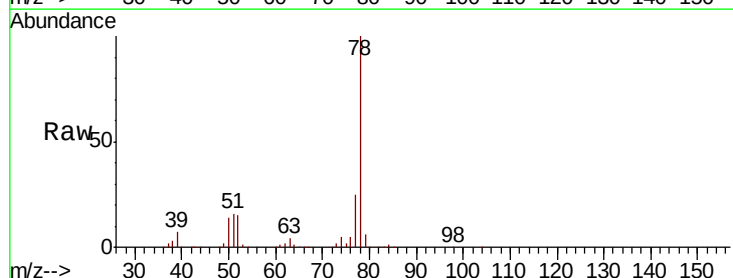
#31
Carbon tetrachloride
Concen: 5.342 ug/L
RT: 4.87 min Scan# 1239
Delta R.T. -0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

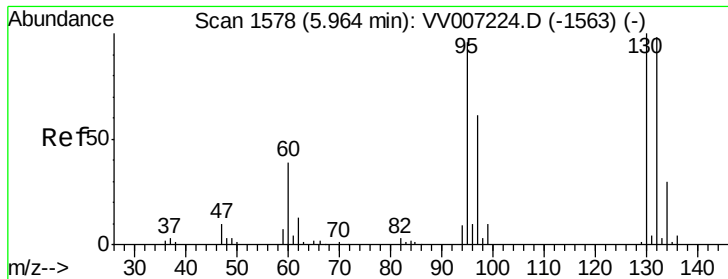
Instrument :
MSVOA_V
ClientSampled :
VICV62

Tgt Ion:117 Resp: 127995
Ion Ratio Lower Upper
117 100
119 96.5 77.2 115.8



#33
Benzene
Concen: 5.340 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56
Tgt Ion: 78 Resp: 384028





#34

Trichloroethene

Concen: 5.140 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

VICV62

Tgt Ion: 95 Resp: 93234

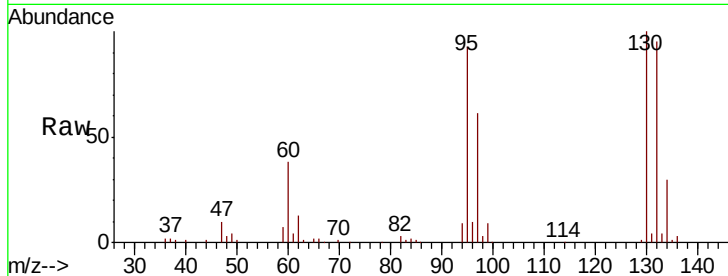
Ion Ratio Lower Upper

95 100

97 64.9 44.2 82.2

132 101.8 71.3 132.3

130 107.1 72.8 135.2

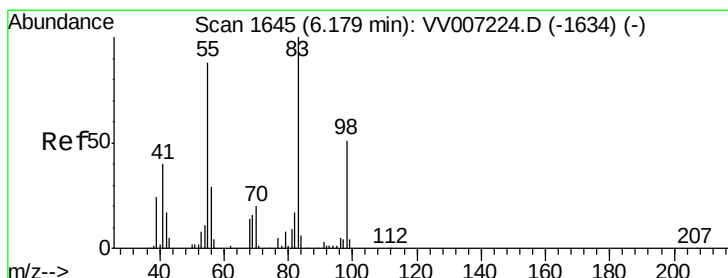
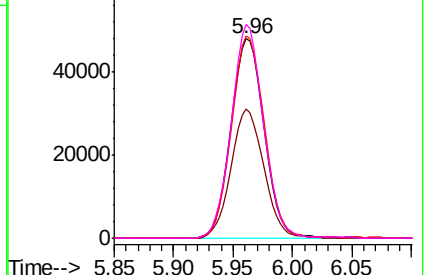
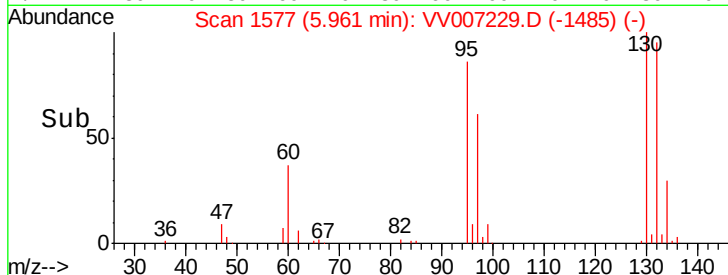


Abundance Ion 95.00 (94.70 to 95.70): VV007229.D (-1485) (-)

Ion 96.95 (96.65 to 97.65): VV007229.D (-1485) (-)

Ion 131.95 (131.65 to 132.65): VV007229.D (-1485) (-)

Ion 129.95 (129.65 to 130.65): VV007229.D (-1485) (-)



#35

Methylcyclohexane

Concen: 5.193 ug/L

RT: 6.18 min Scan# 1645

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

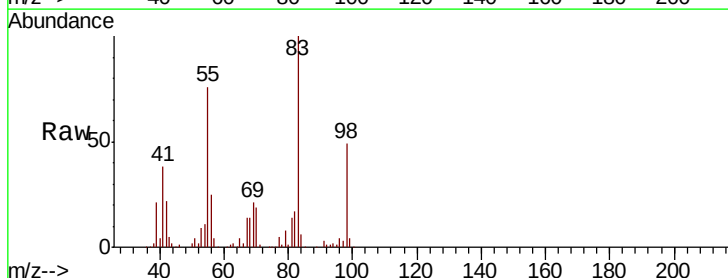
Tgt Ion: 83 Resp: 137769

Ion Ratio Lower Upper

83 100

55 78.3 64.0 96.0

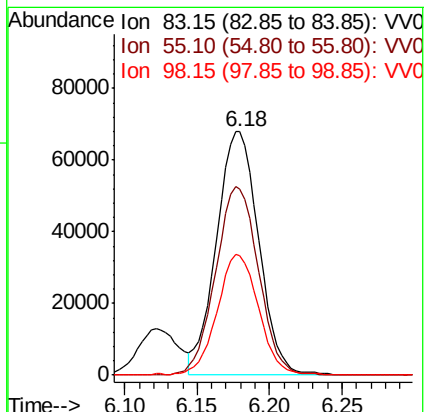
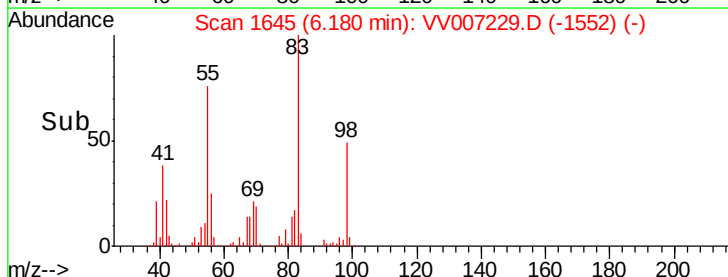
98 48.5 38.8 58.2

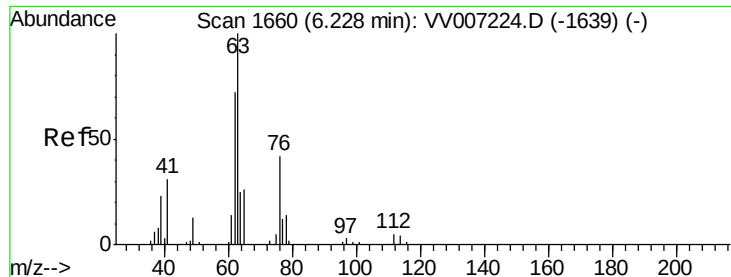


Abundance Ion 83.15 (82.85 to 83.85): VV007229.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV007229.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV007229.D (-1552) (-)





#37

1,2-Dichloropropane

Concen: 5.471 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

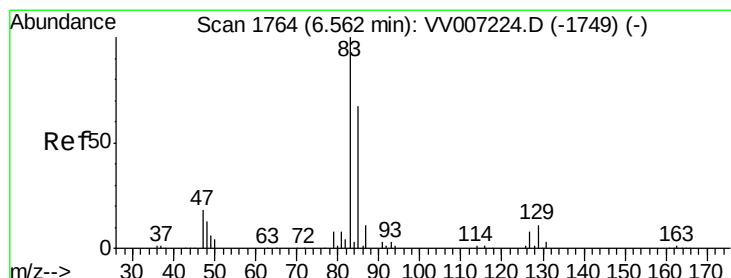
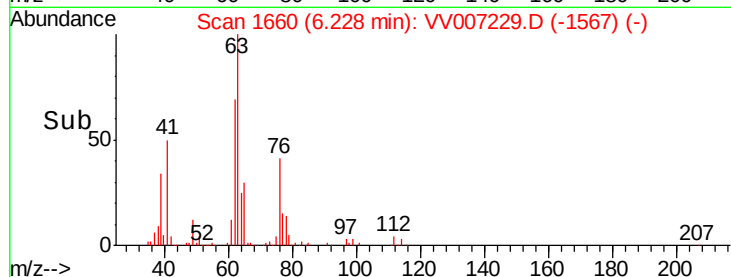
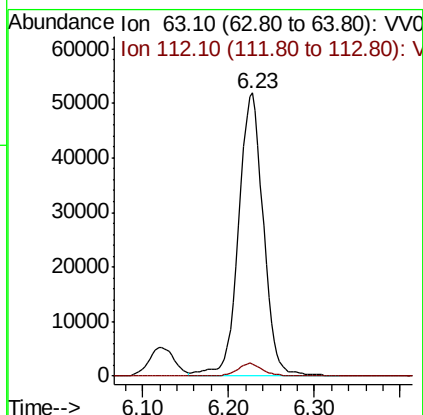
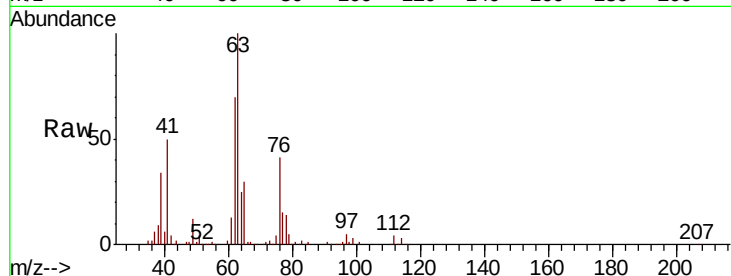
VICV62

Tgt Ion: 63 Resp: 104439

Ion Ratio Lower Upper

63 100

112 4.6 3.9 5.9



#38

Bromodichloromethane

Concen: 5.253 ug/L

RT: 6.56 min Scan# 1763

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

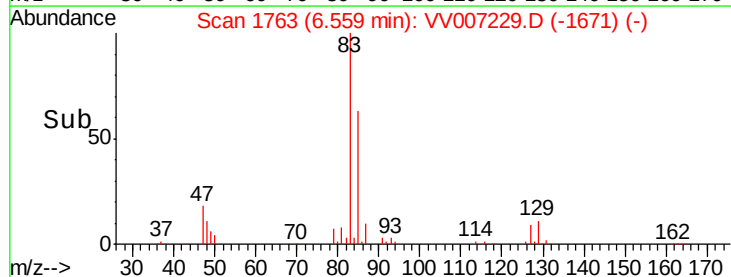
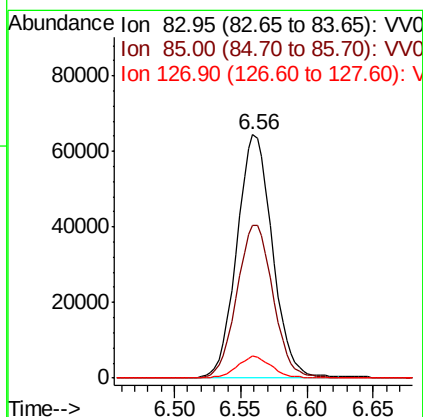
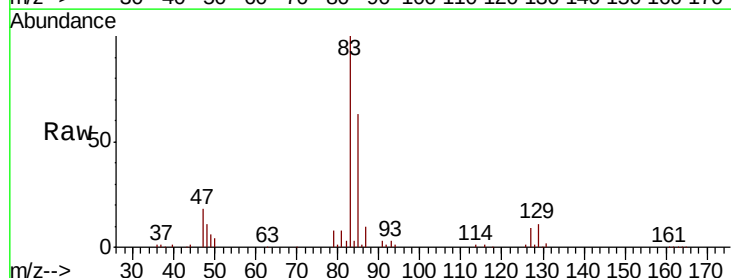
Tgt Ion: 83 Resp: 120238

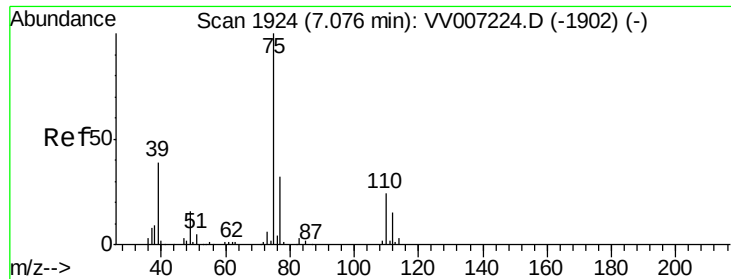
Ion Ratio Lower Upper

83 100

85 63.0 46.5 86.5

127 8.9 6.6 10.0



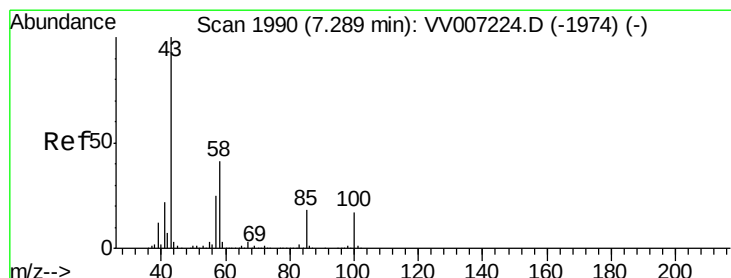
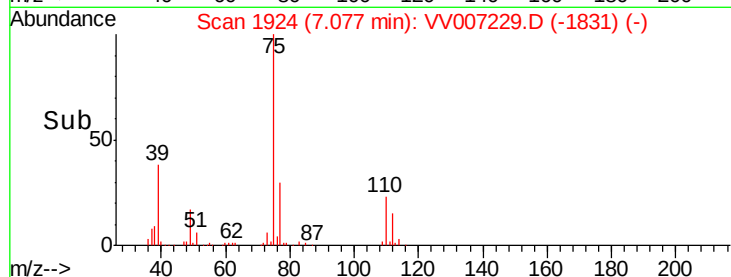
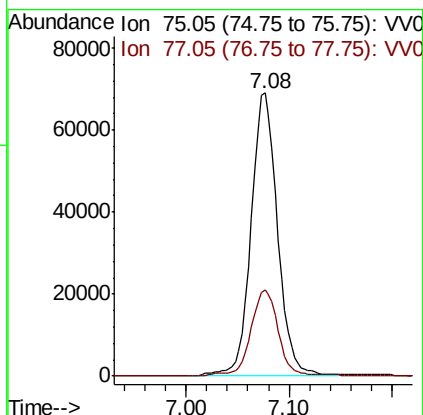
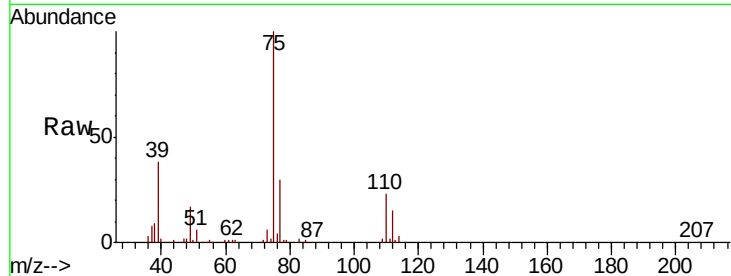


#39

cis-1,3-Dichloropropene
 Concen: 5.202 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

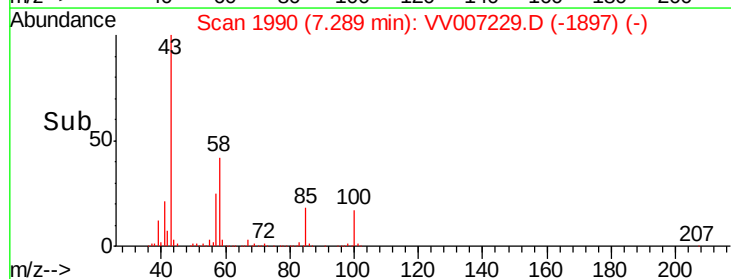
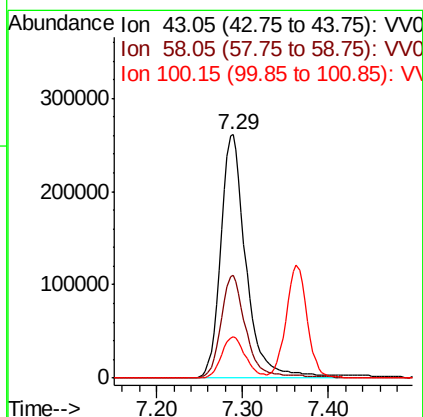
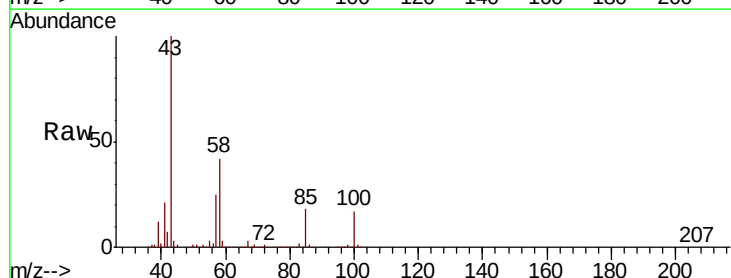
Tgt Ion: 75 Resp: 123181
 Ion Ratio Lower Upper
 75 100
 77 30.3 22.2 41.2

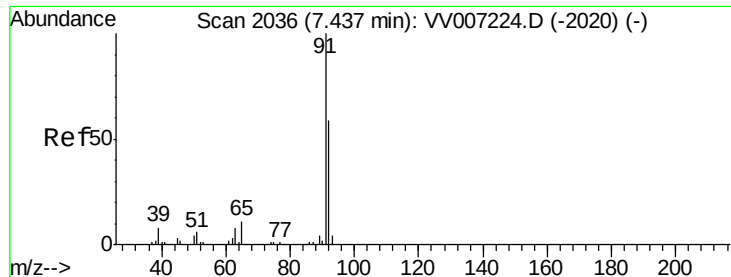


#40

4-Methyl-2-pentanone
 Concen: 53.480 ug/L
 RT: 7.29 min Scan# 1990
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Tgt Ion: 43 Resp: 534659
 Ion Ratio Lower Upper
 43 100
 58 40.7 33.8 50.8
 100 16.2 13.1 19.7





#42

Toluene

Concen: 5.512 ug/L

RT: 7.43 min Scan# 2035

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

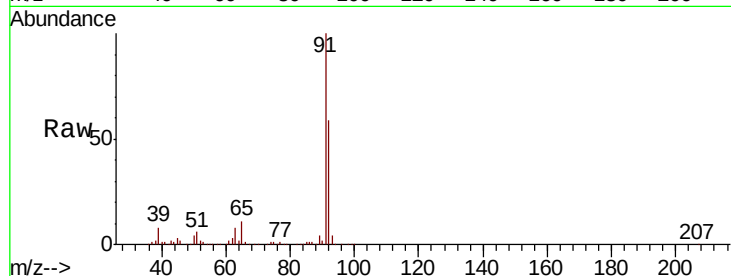
VICV62

Tgt Ion: 91 Resp: 389242

Ion Ratio Lower Upper

91 100

92 59.3 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

250000

200000

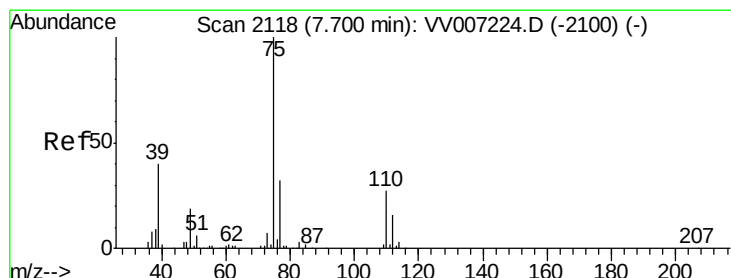
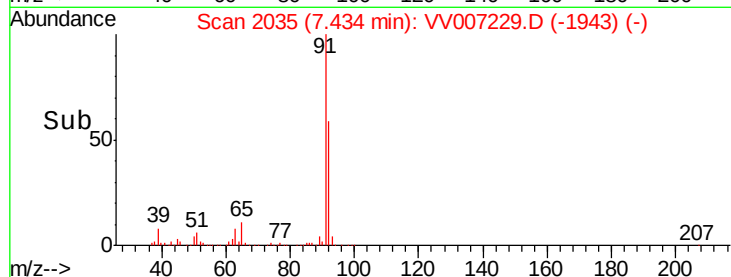
150000

100000

50000

0

Time-->



#44

trans-1,3-Dichloropropene

Concen: 5.206 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007229.D

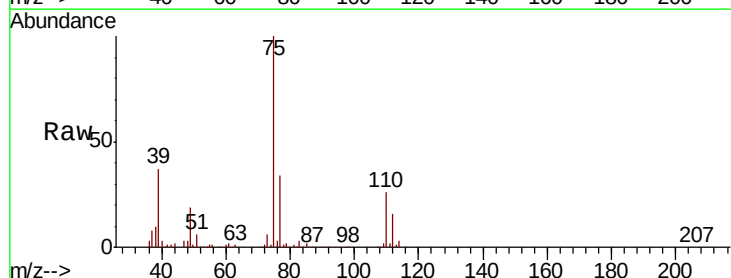
Acq: 28 Aug 2018 15:56

Tgt Ion: 75 Resp: 102822

Ion Ratio Lower Upper

75 100

77 34.1 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

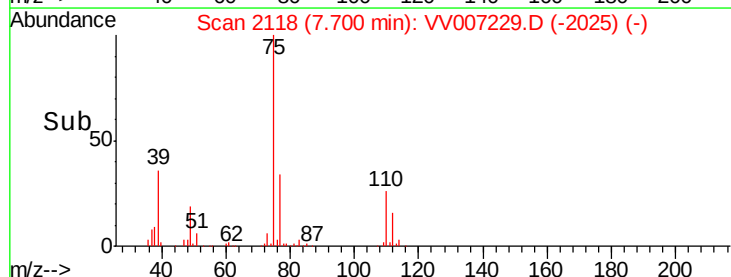
60000

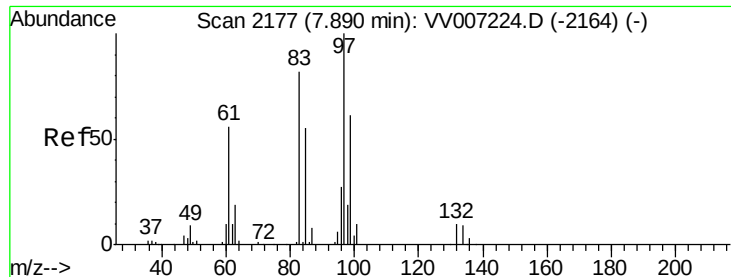
40000

20000

0

Time-->

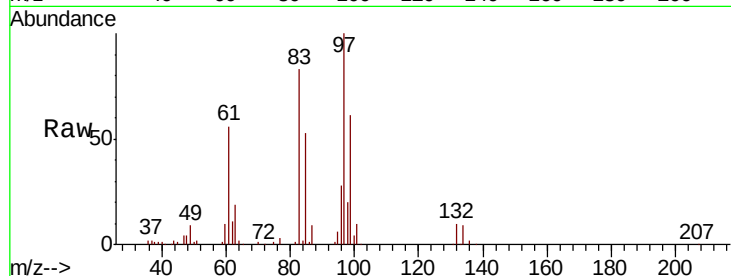




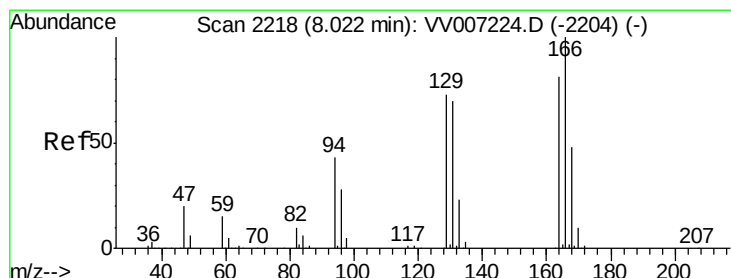
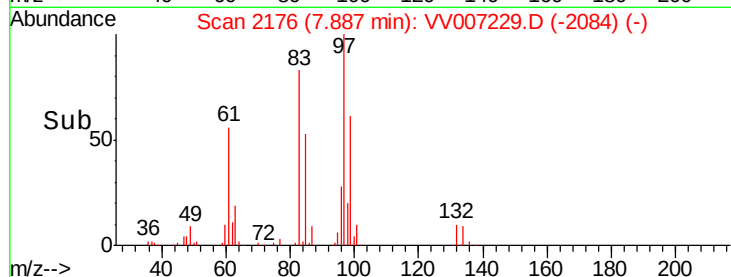
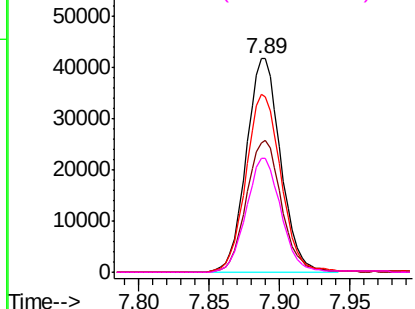
#45
 1,1,2-Trichloroethane
 Concen: 5.180 ug/L
 RT: 7.89 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Tgt Ion: 97 Resp: 71284
 Ion Ratio Lower Upper
 97 100
 99 60.5 42.6 79.0
 83 83.2 57.3 106.3
 85 53.5 38.3 71.1

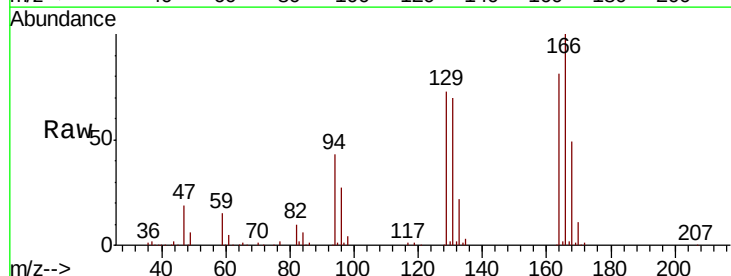


Abundance Ion 96.95 (96.65 to 97.65): VV0
 Ion 99.05 (98.75 to 99.75): VV0
 Ion 82.95 (82.65 to 83.65): VV0
 Ion 85.00 (84.70 to 85.70): VV0

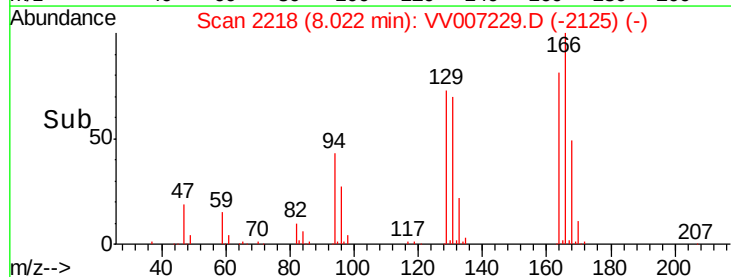
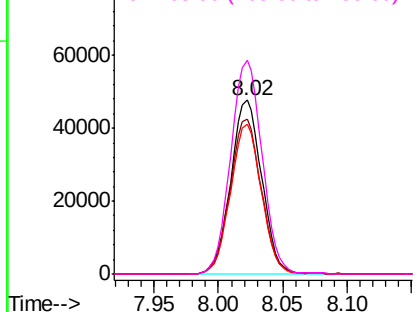


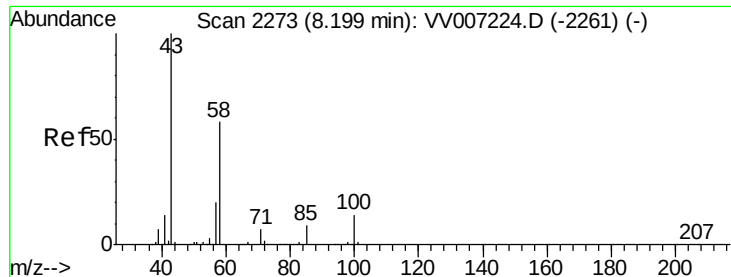
#47
 Tetrachloroethene
 Concen: 5.318 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Tgt Ion: 164 Resp: 79722
 Ion Ratio Lower Upper
 164 100
 129 89.3 62.7 116.5
 131 86.4 60.1 111.7
 166 123.1 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

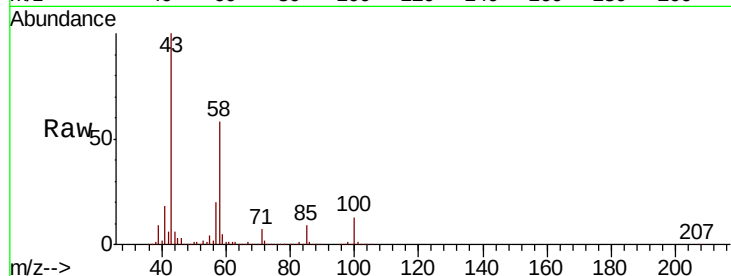




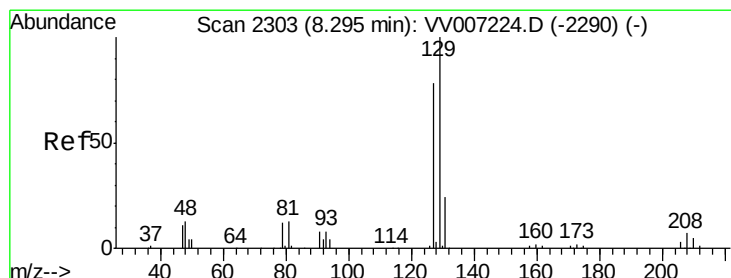
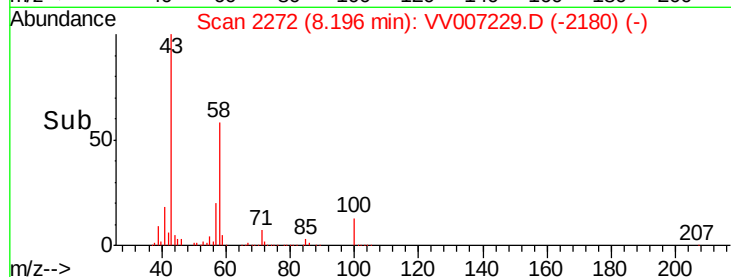
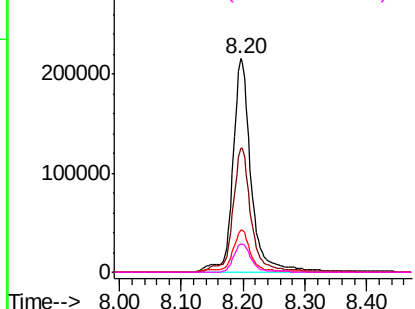
#48
2-Hexanone
Concen: 59.041 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. -0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Instrument :
MSVOA_V
ClientSampleId :
VICV62

Tgt Ion:	43	Resp:	440497
Ion	Ratio	Lower	Upper
43	100		
58	59.7	50.0	75.0
57	19.1	16.6	25.0
100	12.5	10.2	15.4

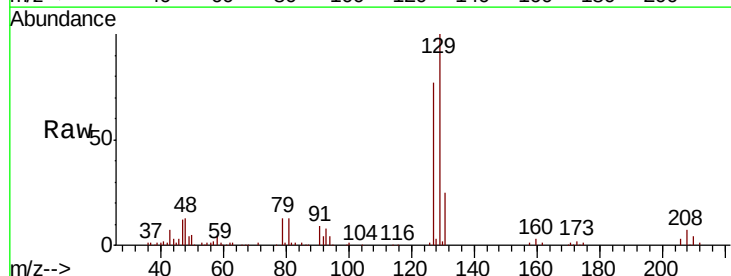


Abundance Ion 43.05 (42.75 to 43.75): VV0
Ion 58.05 (57.75 to 58.75): VV0
Ion 57.20 (56.90 to 57.90): VV0
Ion 100.15 (99.85 to 100.85): VV0

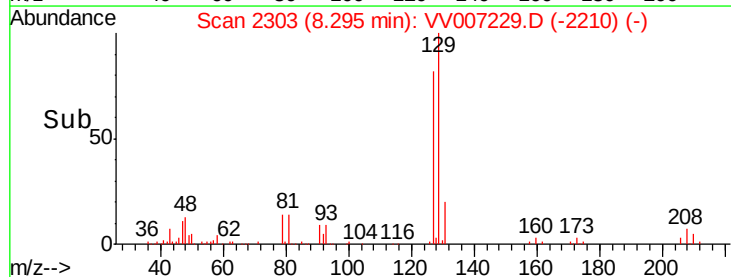
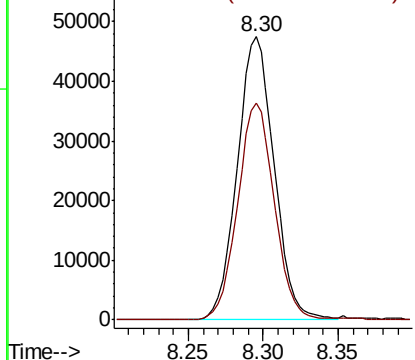


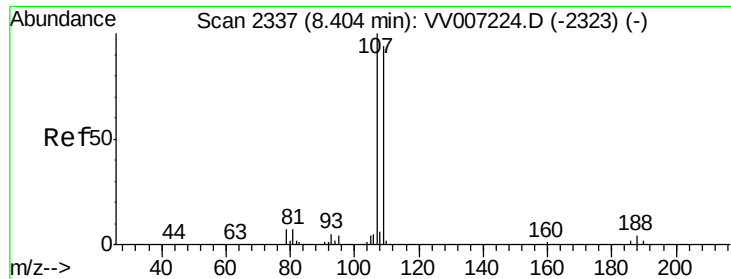
#49
Dibromochloromethane
Concen: 5.255 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion:	129	Resp:	81396
Ion	Ratio	Lower	Upper
129	100		
127	76.8	54.9	101.9



Abundance Ion 128.95 (128.65 to 129.65): V
Ion 126.90 (126.60 to 127.60): V





#50

1,2-Dibromoethane

Concen: 5.392 ug/L

RT: 8.40 min Scan# 2336

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

VICV62

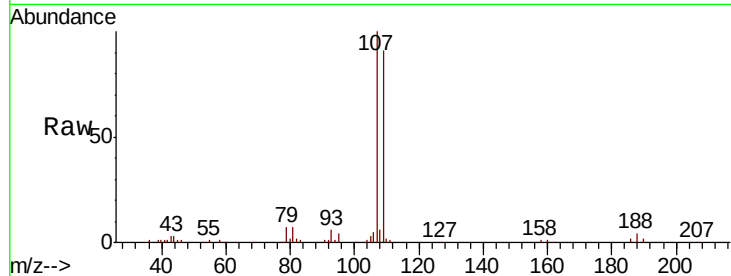
Tgt Ion:107 Resp: 63430

Ion Ratio Lower Upper

107 100

109 91.3 65.9 122.3

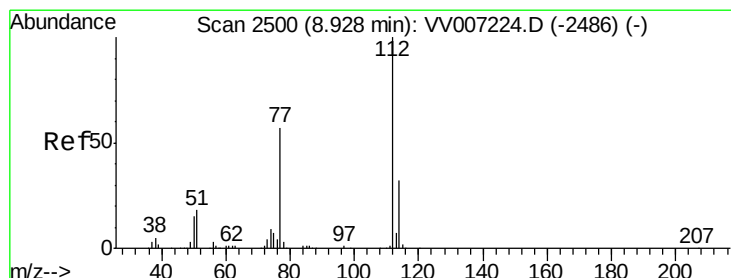
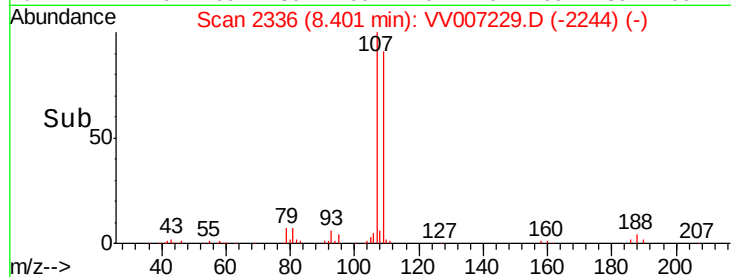
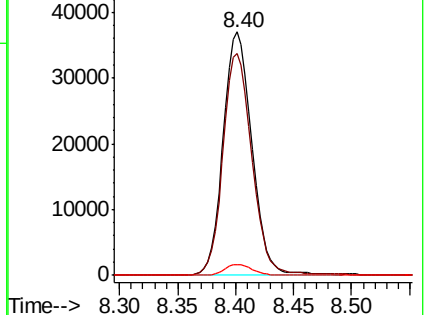
188 4.3 3.5 5.3



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: 5.113 ug/L

RT: 8.93 min Scan# 2500

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

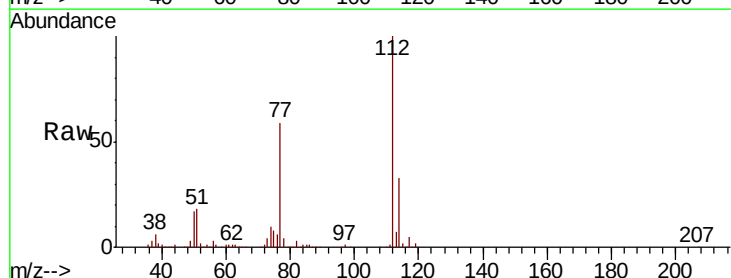
Tgt Ion:112 Resp: 245472

Ion Ratio Lower Upper

112 100

114 33.0 22.0 41.0

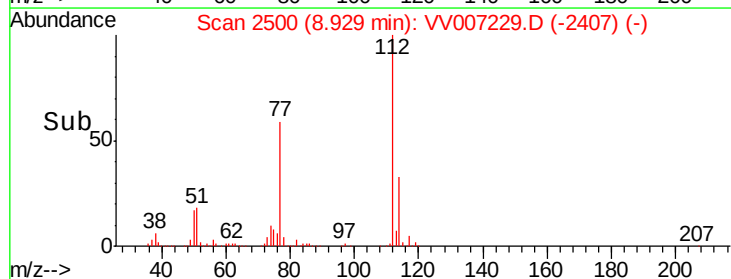
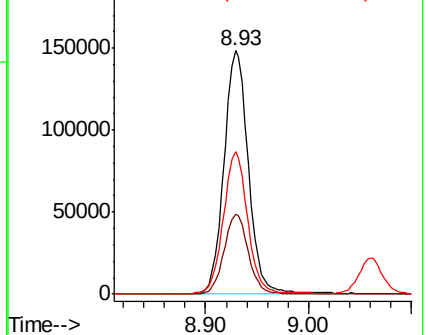
77 58.7 45.9 68.9

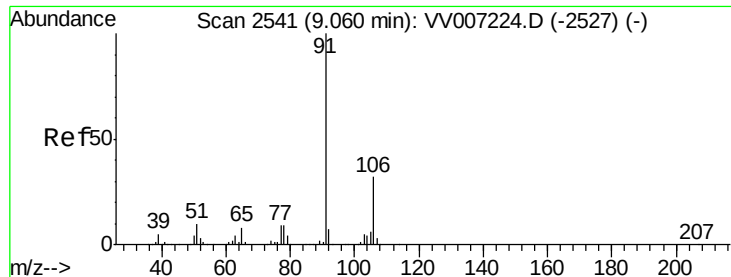


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0





#52

Ethylbenzene

Concen: 5.202 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

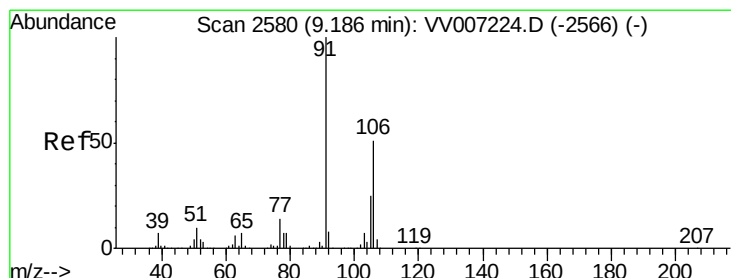
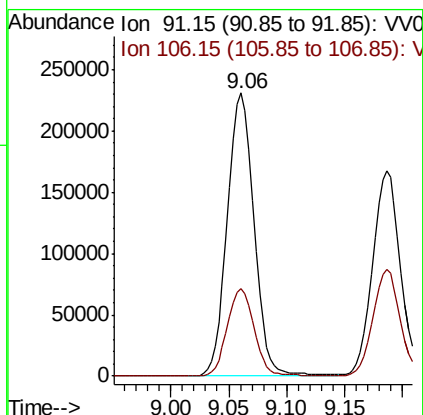
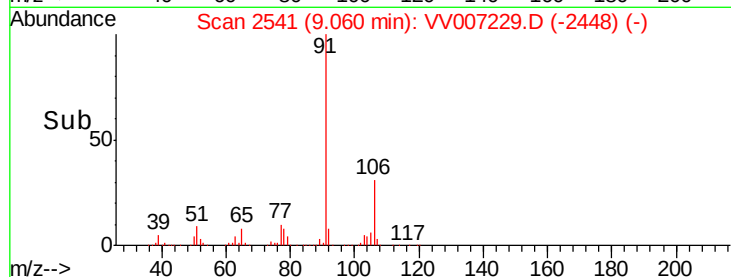
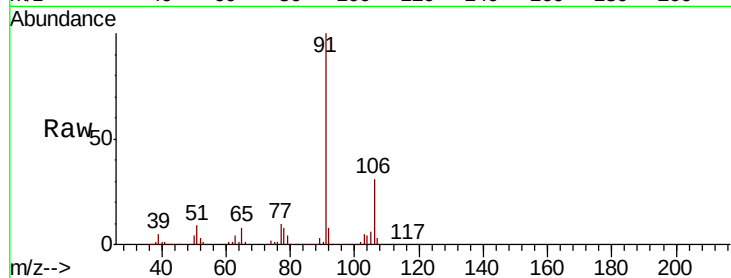
VICV62

Tgt Ion: 91 Resp: 369019

Ion Ratio Lower Upper

91 100

106 30.8 22.3 41.3



#53

m,p-xylene

Concen: 5.304 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007229.D

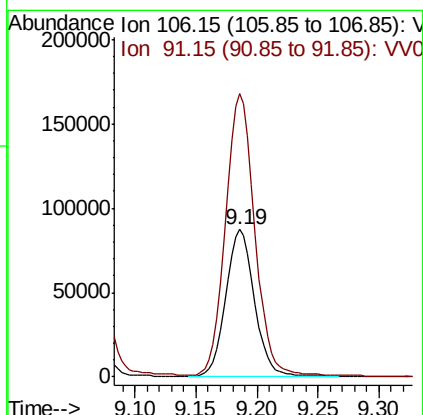
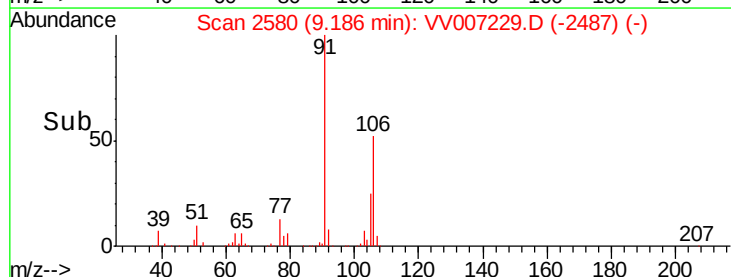
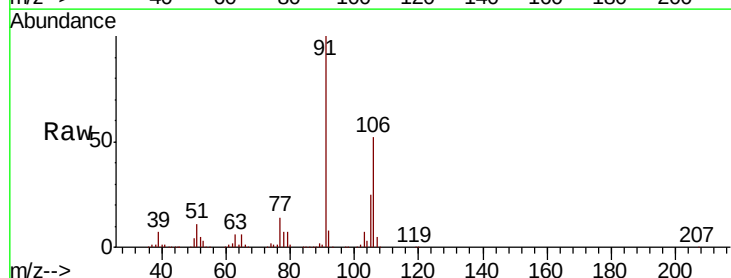
Acq: 28 Aug 2018 15:56

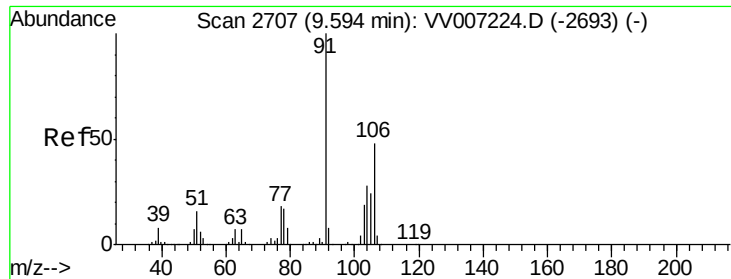
Tgt Ion: 106 Resp: 143278

Ion Ratio Lower Upper

106 100

91 191.8 138.4 257.0





#54

o-xylene

Concen: 5.385 ug/L

RT: 9.59 min Scan# 2706

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

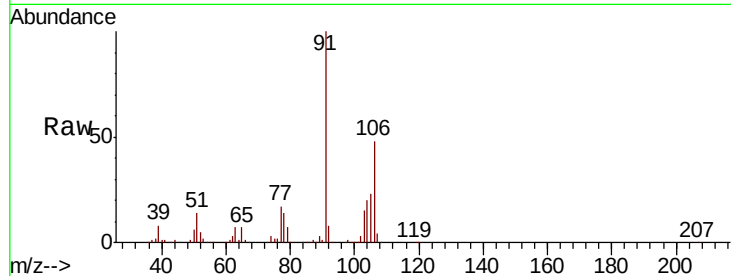
VICV62

Tgt Ion:106 Resp: 135381

Ion Ratio Lower Upper

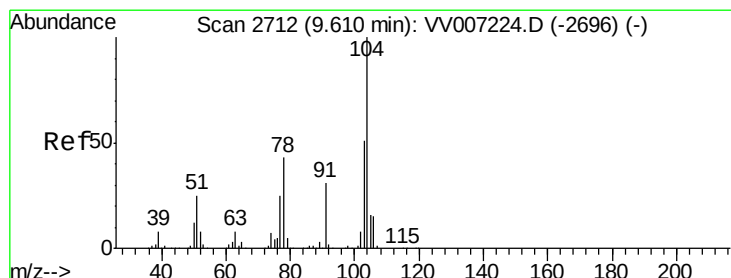
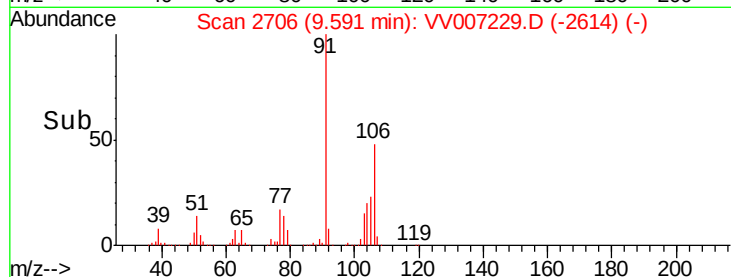
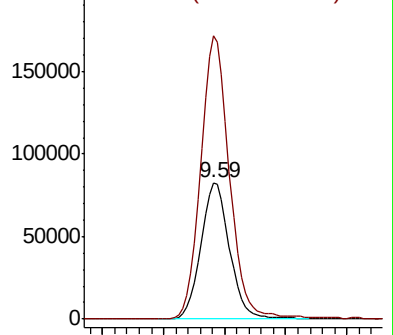
106 100

91 207.3 146.9 272.7



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.449 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007229.D

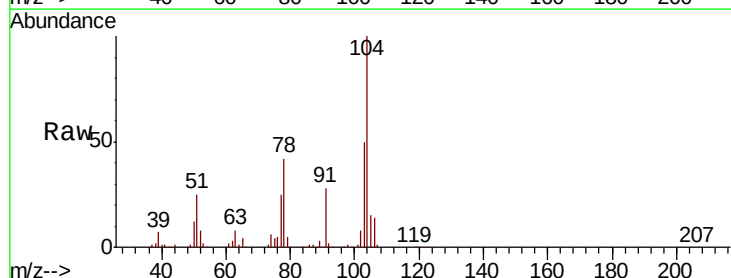
Acq: 28 Aug 2018 15:56

Tgt Ion:104 Resp: 240152

Ion Ratio Lower Upper

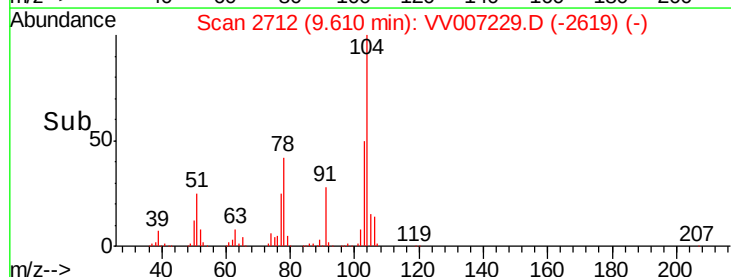
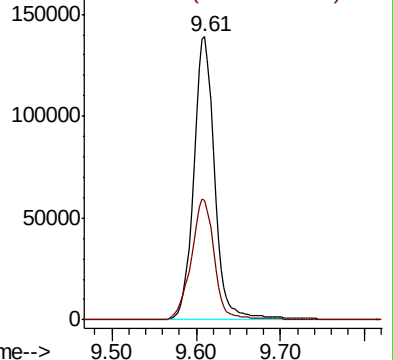
104 100

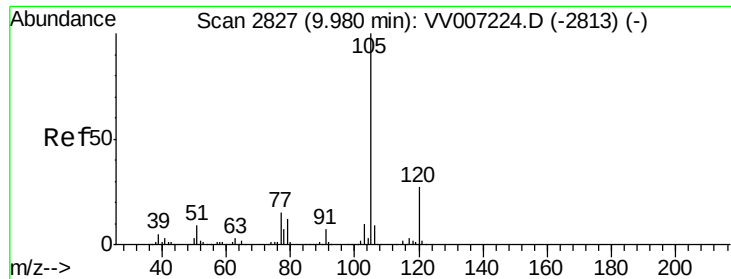
78 42.2 30.2 56.2



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0

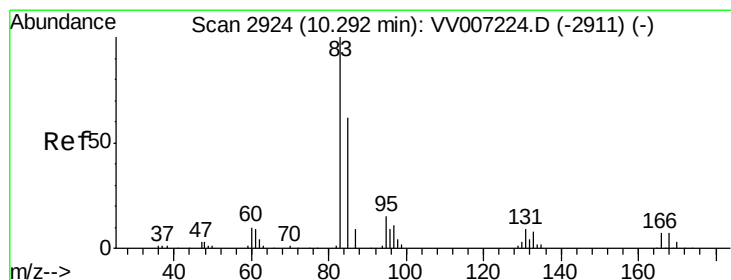
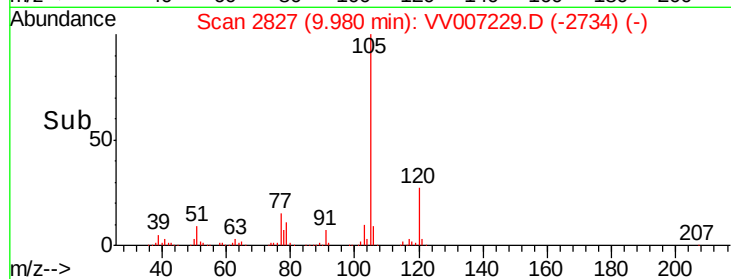
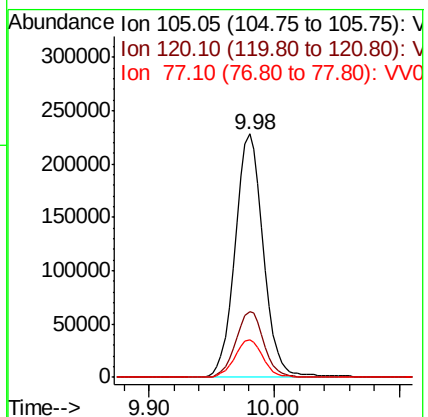
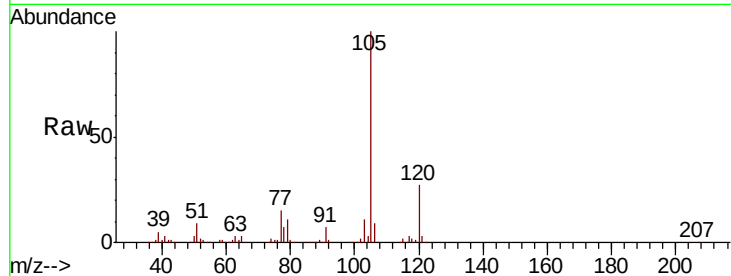




#56
Isopropylbenzene
Concen: 5.327 ug/L
RT: 9.98 min Scan# 2827
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

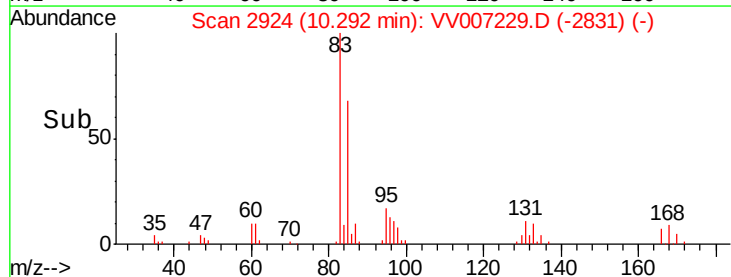
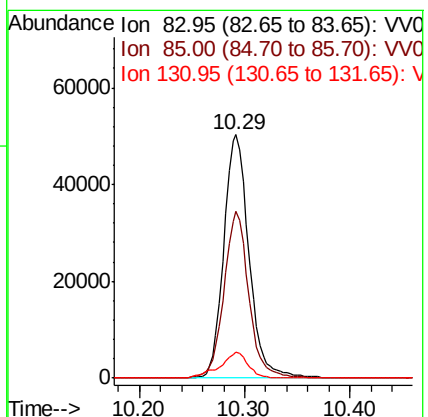
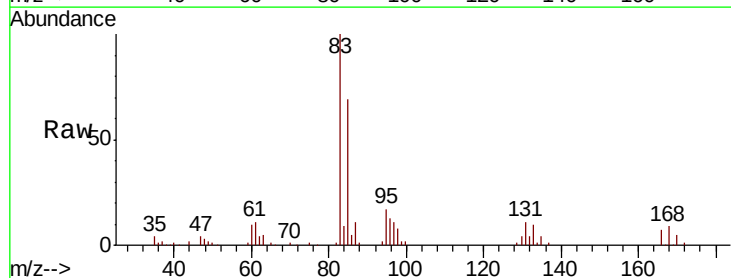
Instrument :
MSVOA_V
ClientSampled :
VICV62

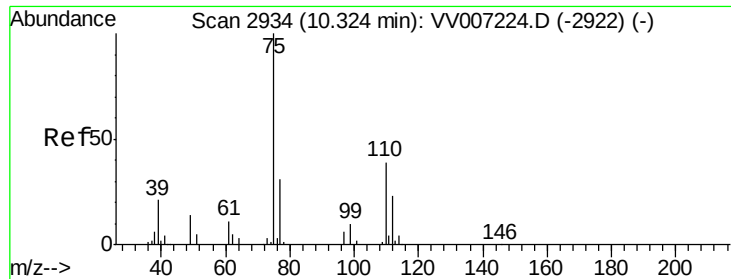
Tgt Ion	Ratio	Lower	Upper
105	100		
120	27.0	21.0	31.4
77	15.4	12.1	18.1



#58
1,1,2,2-Tetrachloroethane
Concen: 5.176 ug/L
RT: 10.29 min Scan# 2924
Delta R.T. 0.00 min
Lab File: VV007229.D
Acq: 28 Aug 2018 15:56

Tgt Ion	Ratio	Lower	Upper
83	100		
85	68.6	43.7	81.1
131	10.6	7.7	11.5





#59

1,2,3-Trichloropropane

Concen: 5.201 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

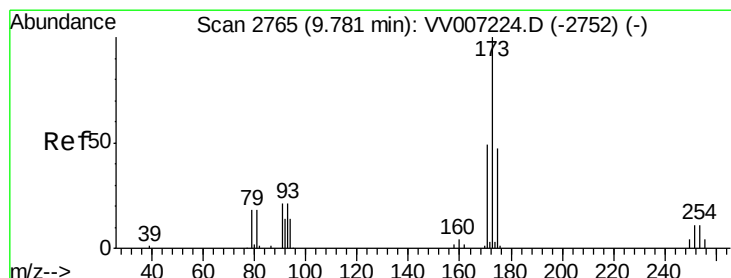
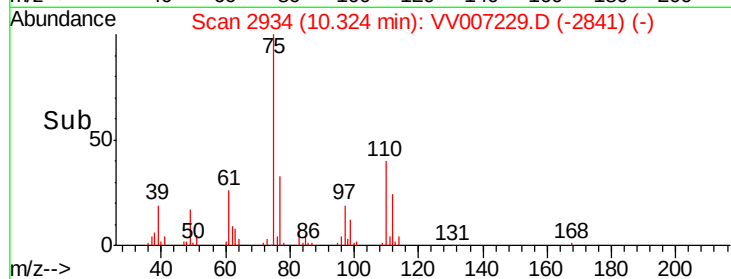
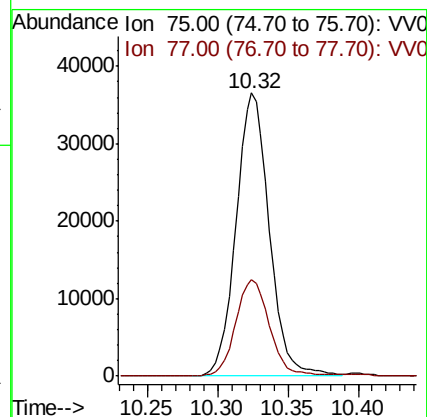
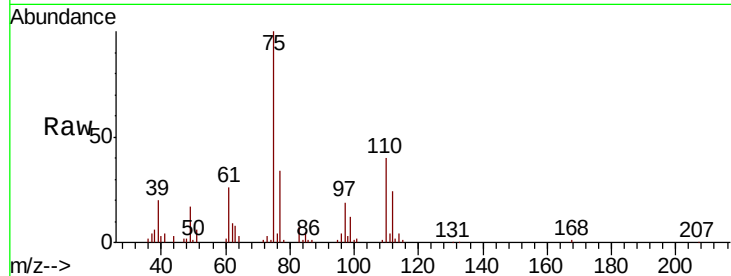
VICV62

Tgt Ion: 75 Resp: 60318

Ion Ratio Lower Upper

75 100

77 35.1 26.0 39.0



#61

Bromoform

Concen: 5.183 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

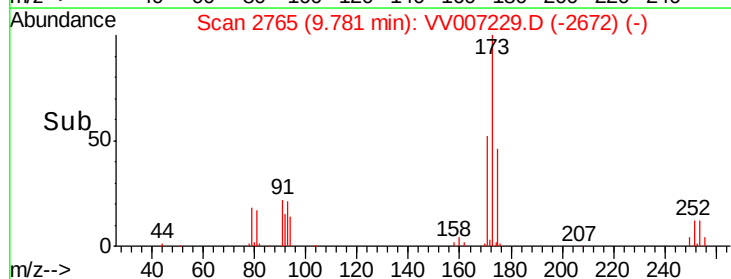
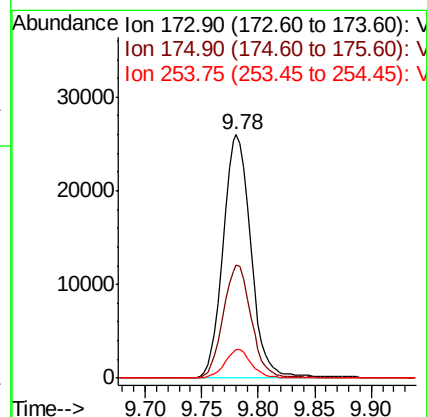
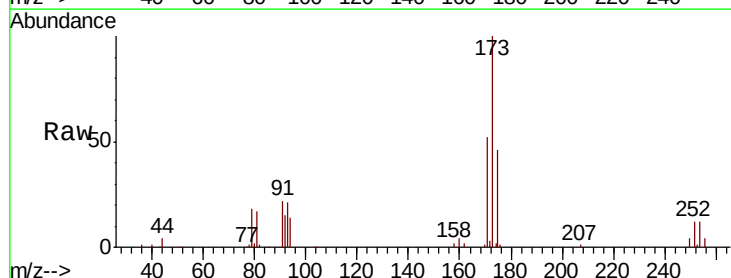
Tgt Ion: 173 Resp: 44569

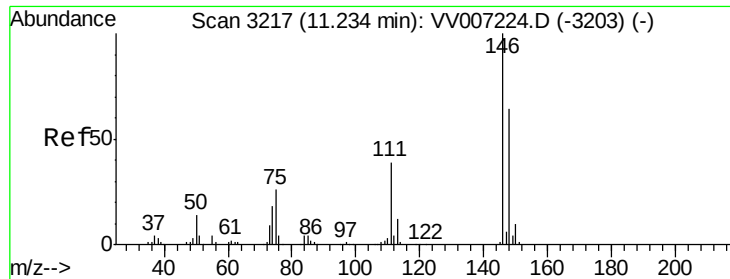
Ion Ratio Lower Upper

173 100

175 46.4 39.3 58.9

254 11.0 8.7 13.1

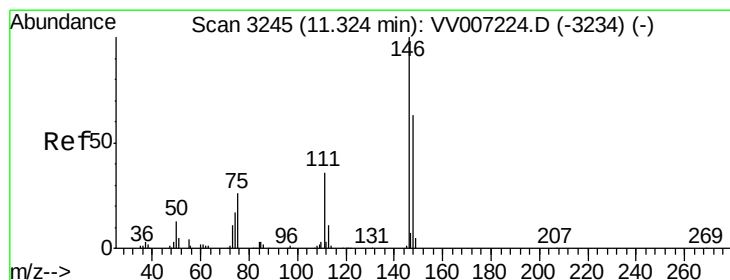
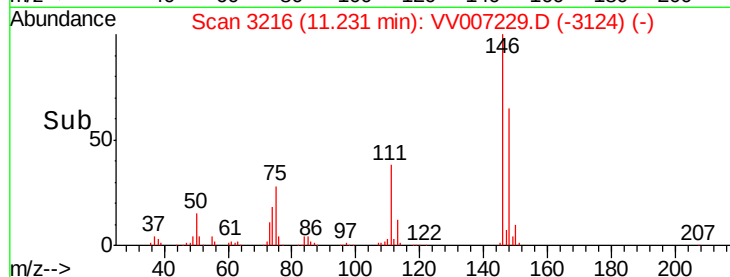
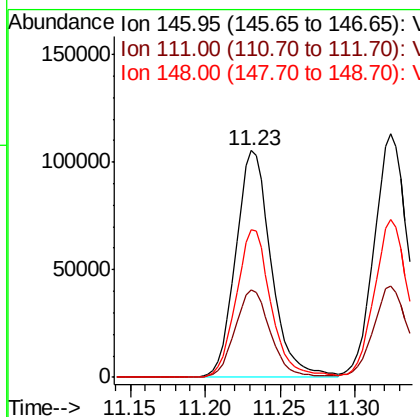
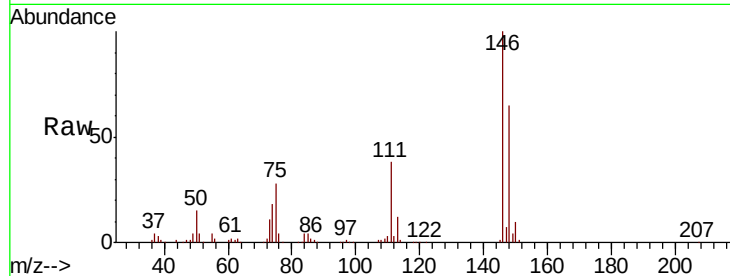




#62
 1,3-Dichlorobenzene
 Concen: 5.069 ug/L
 RT: 11.23 min Scan# 3216
 Delta R.T. -0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

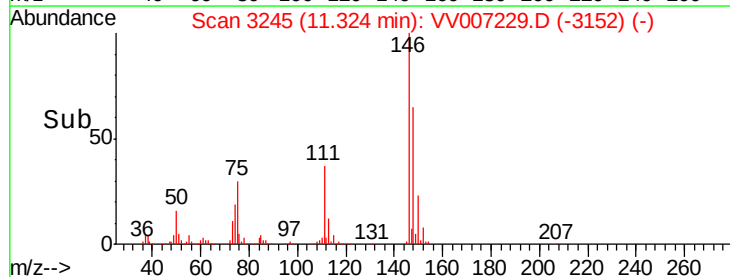
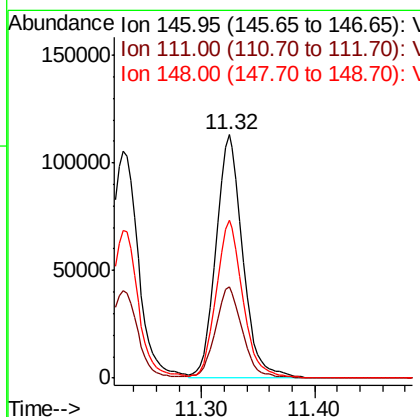
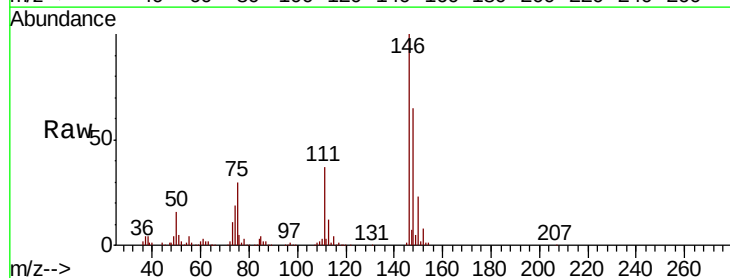
Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

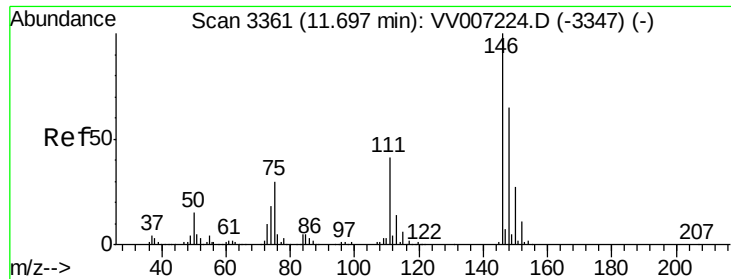
Tgt Ion:146 Resp: 174228
 Ion Ratio Lower Upper
 146 100
 111 38.5 27.2 50.4
 148 65.0 45.0 83.6



#63
 1,4-Dichlorobenzene
 Concen: 5.126 ug/L
 RT: 11.32 min Scan# 3245
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Tgt Ion:146 Resp: 186209
 Ion Ratio Lower Upper
 146 100
 111 37.4 25.4 47.2
 148 64.8 44.3 82.3





#65

1,2-Dichlorobenzene

Concen: 5.268 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

VICV62

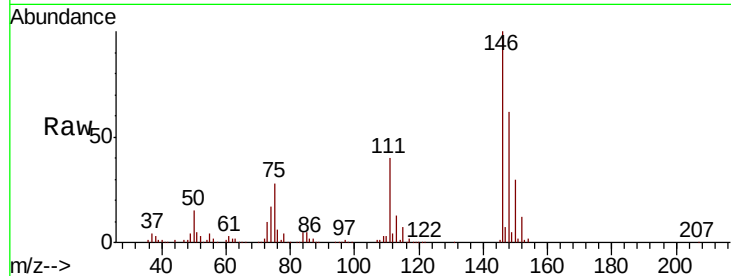
Tgt Ion:146 Resp: 180962

Ion Ratio Lower Upper

146 100

111 39.6 33.0 49.6

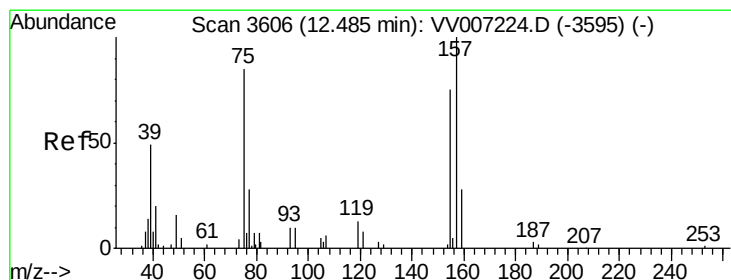
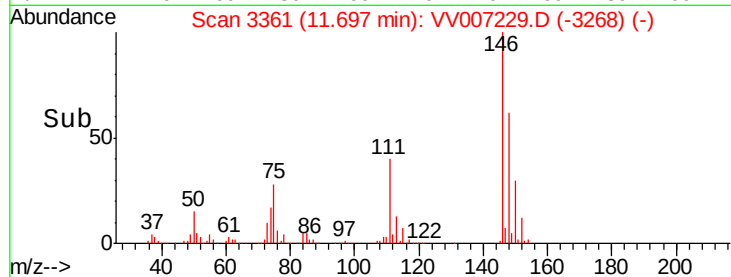
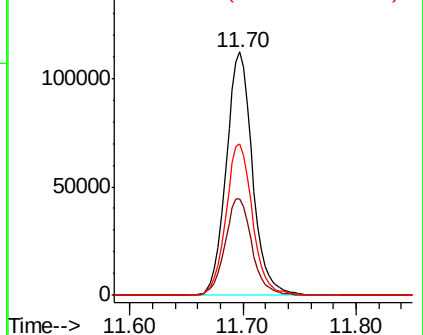
148 62.3 51.6 77.4



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: 4.942 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

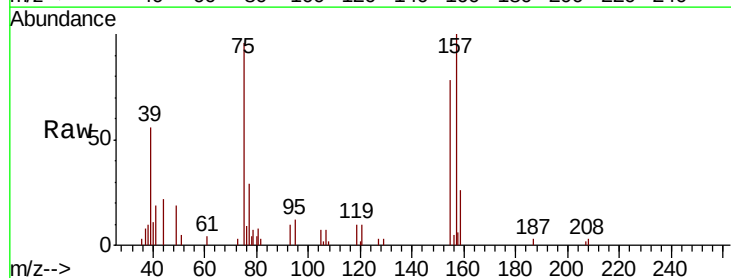
Tgt Ion: 75 Resp: 9943

Ion Ratio Lower Upper

75 100

155 81.9 70.4 105.6

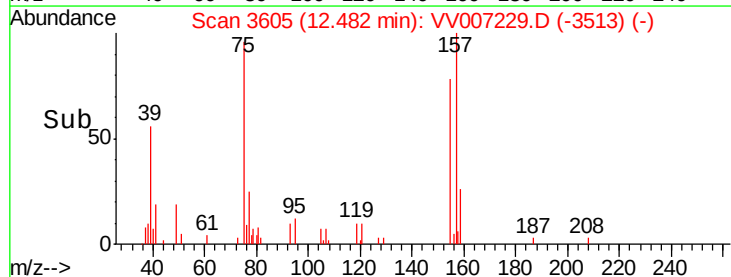
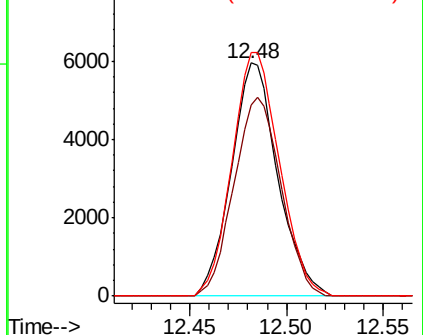
157 104.6 94.2 141.2

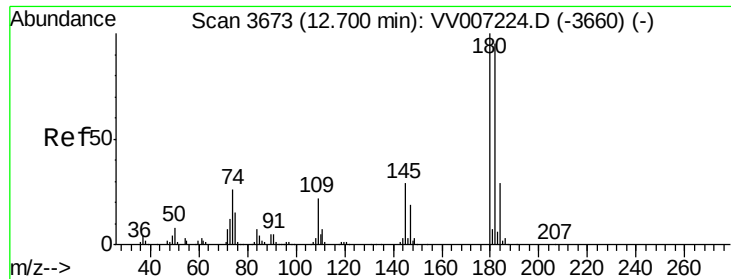


Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 154.95 (154.65 to 155.65): V

Ion 156.90 (156.60 to 157.60): V

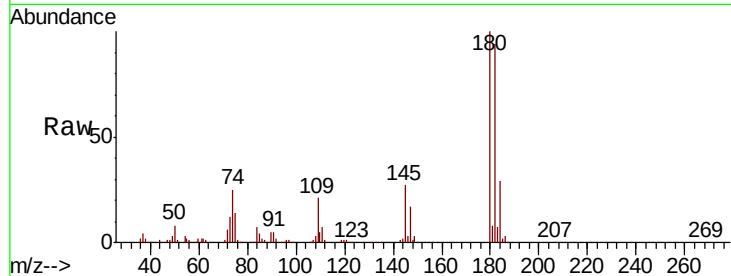




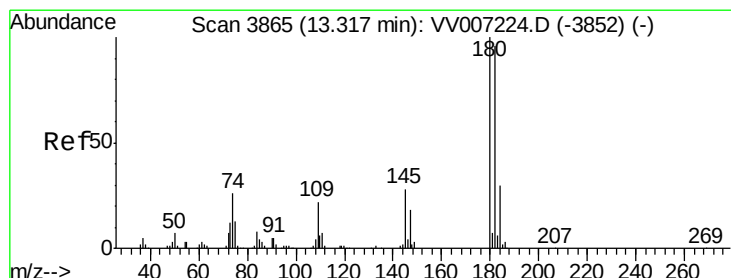
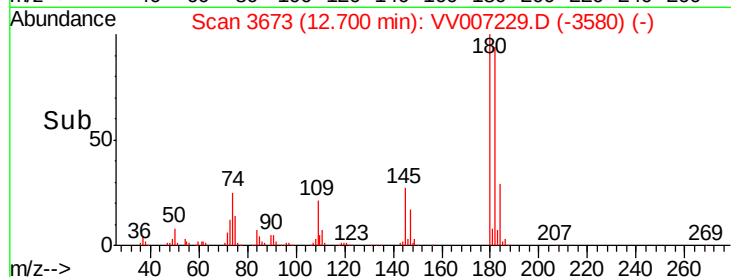
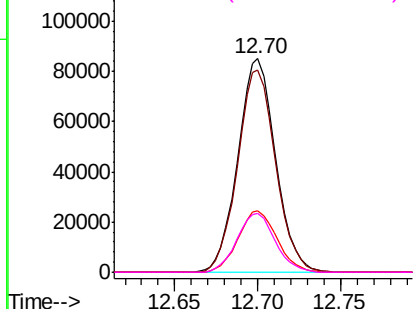
#67
 1,3,5-Trichlorobenzene
 Concen: 5.332 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Instrument :
 MSVOA_V
 ClientSampleId :
 VICV62

Tgt Ion:	180	Resp:	134114
Ion	Ratio	Lower	Upper
180	100		
182	95.8	77.0	115.6
184	29.7	23.4	35.2
145	27.8	22.6	33.8

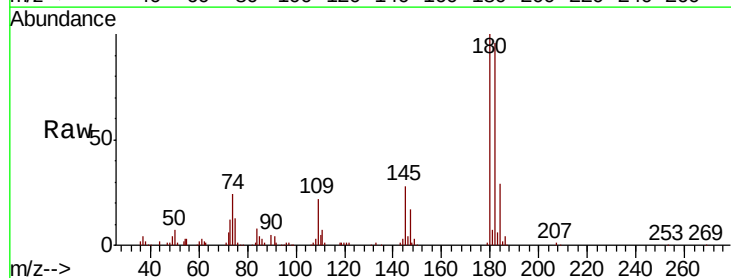


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

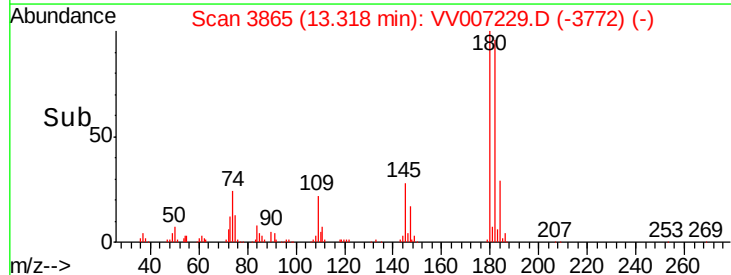
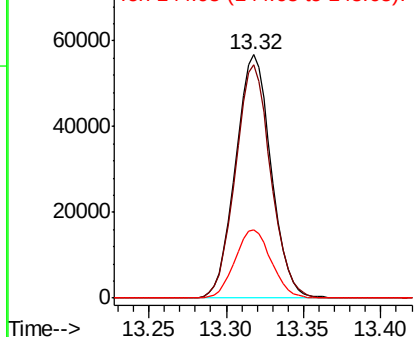


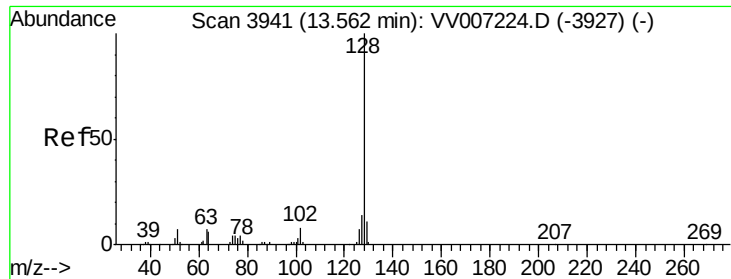
#68
 1,2,4-trichlorobenzene
 Concen: 5.340 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007229.D
 Acq: 28 Aug 2018 15:56

Tgt Ion:	180	Resp:	90432
Ion	Ratio	Lower	Upper
180	100		
182	95.4	76.8	115.2
145	28.7	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: 4.765 ug/L

RT: 13.56 min Scan# 3941

Delta R.T. 0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

Instrument :

MSVOA_V

ClientSampleId :

VICV62

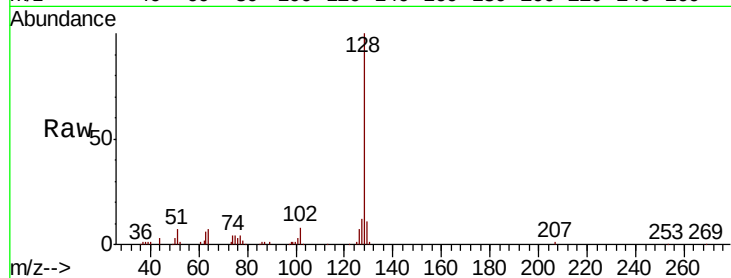
Tgt Ion:128 Resp: 100817

Ion Ratio Lower Upper

128 100

129 10.4 8.9 13.3

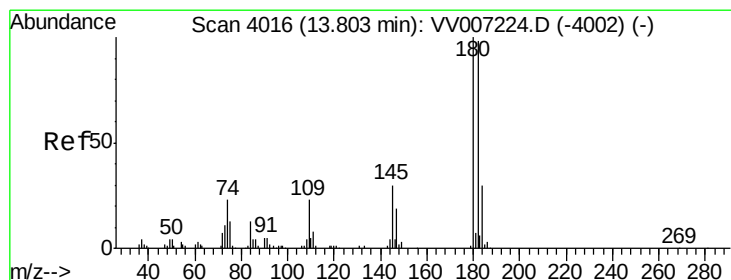
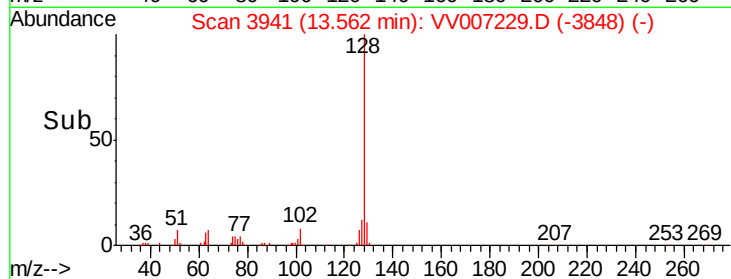
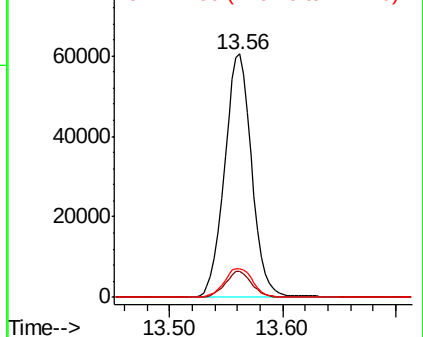
127 12.5 10.6 15.8



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: 5.090 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. -0.00 min

Lab File: VV007229.D

Acq: 28 Aug 2018 15:56

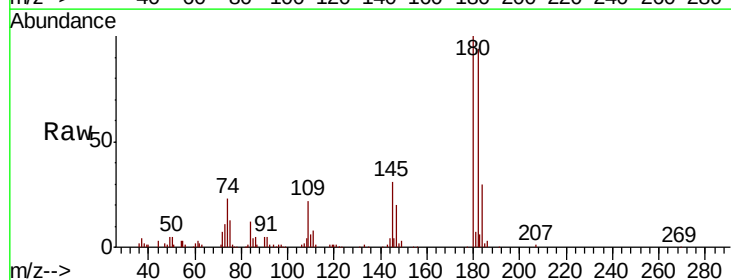
Tgt Ion:180 Resp: 84583

Ion Ratio Lower Upper

180 100

182 95.3 77.0 115.4

145 31.1 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

