

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
 Data File : VV007143.D
 Acq On : 23 Aug 2018 16:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Aug 24 01:27:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 01:26:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	539452	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	522751	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	249255	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	154956	45.71	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	91.42%
7) Chloroethane-d5	1.56	69	91872	42.14	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	84.28%
11) 1,1-Dichloroethene-d2	2.13	63	298056	47.48	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.96%
21) 2-Butanone-d5	3.96	46	302211	104.74	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	104.74%
24) Chloroform-d	4.40	84	359301	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.08%
26) 1,2-Dichloroethane-d4	5.09	65	220808	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.42%
32) Benzene-d6	5.10	84	707600	48.70	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	97.40%
36) 1,2-Dichloropropane-d6	6.12	67	238068	49.54	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	99.08%
41) Toluene-d8	7.36	98	650626	50.90	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	101.80%
43) trans-1,3-Dichloropropene-	7.67	79	98438	47.84	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	95.68%
47) 2-Hexanone-d5	8.14	63	174627	102.18	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.18%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	354829	50.75	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.50%
64) 1,2-Dichlorobenzene-d4	11.68	152	247659	49.42	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	98.84%

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	236840	48.048 ug/L	99
3) Chloromethane	1.25	50	277390	44.447 ug/L	100
5) Vinyl chloride	1.32	62	253240	49.430 ug/L	100
6) Bromomethane	1.52	94	71119	58.370 ug/L	100
8) Chloroethane	1.58	64	137922	49.519 ug/L	98
9) Trichlorofluoromethane	1.76	101	315075	51.138 ug/L	98
10) 1,1,2-Trichloro-1,2,2-trif	2.13	101	189245	50.334 ug/L	99
12) 1,1-Dichloroethene	2.14	96	177635	49.466 ug/L	93
13) Acetone	2.20	43	215454	95.191 ug/L	99
14) Carbon disulfide	2.31	76	525945	48.011 ug/L	99
15) Methyl Acetate	2.46	43	212420	51.657 ug/L	100
16) Methylene chloride	2.54	84	202523	49.065 ug/L	100
17) trans-1,2-Dichloroethene	2.79	96	192734	49.492 ug/L	98
18) Methyl tert-butyl Ether	2.81	73	596766	49.933 ug/L	99
19) 1,1-Dichloroethane	3.23	63	400976	50.028 ug/L	99
20) cis-1,2-Dichloroethene	3.96	96	220621	48.747 ug/L	99
22) 2-Butanone	4.04	43	367199	102.689 ug/L	100

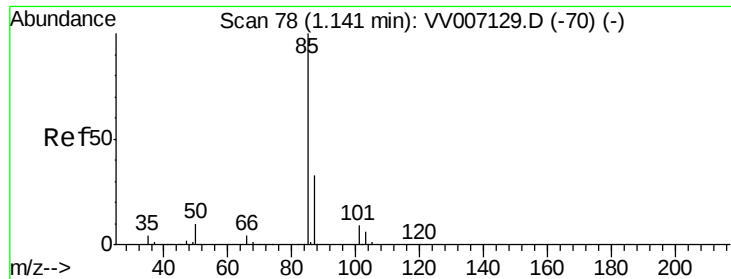
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV082318\
 Data File : VV007143.D
 Acq On : 23 Aug 2018 16:30
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Quant Time: Aug 24 01:27:35 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM082218WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 24 01:26:08 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.30	128	116837	50.208	ug/L	97
25) Chloroform	4.43	83	397059	50.525	ug/L	98
27) 1,2-Dichloroethane	5.19	62	298298	50.034	ug/L	99
29) Cyclohexane	4.72	56	320858	48.823	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	330847	49.947	ug/L	100
31) Carbon tetrachloride	4.88	117	280270	50.239	ug/L	99
33) Benzene	5.15	78	901425	50.338	ug/L	100
34) Trichloroethene	5.96	95	208063	49.023	ug/L	97
35) Methylcyclohexane	6.18	83	333452	49.379	ug/L	98
37) 1,2-Dichloropropane	6.23	63	245659	51.706	ug/L	100
38) Bromodichloromethane	6.56	83	283176	49.514	ug/L	100
39) cis-1,3-Dichloropropene	7.08	75	311879	48.583	ug/L	97
40) 4-Methyl-2-pentanone	7.29	43	614095	105.870	ug/L	99
42) Toluene	7.44	91	898541	52.048	ug/L	99
44) trans-1,3-Dichloropropene	7.70	75	297220	49.688	ug/L	99
45) 1,1,2-Trichloroethane	7.89	97	225451	50.536	ug/L	99
46) Tetrachloroethene	8.02	164	170213	49.196	ug/L	97
48) 2-Hexanone	8.20	43	519654	110.600	ug/L	97
49) Dibromochloromethane	8.30	129	222718	49.872	ug/L	99
50) 1,2-Dibromoethane	8.40	107	220144	50.020	ug/L	99
51) Chlorobenzene	8.93	112	565312	49.432	ug/L	99
52) Ethylbenzene	9.06	91	883560	50.499	ug/L	99
53) m,p-Xylene	9.19	106	346160	51.775	ug/L	98
54) o-xylene	9.59	106	331337	50.938	ug/L	100
55) Styrene	9.61	104	599872	53.406	ug/L	99
56) Isopropylbenzene	9.98	105	847040	51.641	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	392516	50.704	ug/L	98
59) 1,2,3-Trichloropropane	10.33	75	314621	50.958	ug/L	99
61) Bromoform	9.78	173	164811	48.727	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	393571	48.625	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	416808	48.636	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	454041	51.037	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	63861	50.578	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	283487	51.456	ug/L	100
68) 1,2,4-trichlorobenzene	13.32	180	190258	50.879	ug/L	100
69) Naphthalene	13.56	128	497565	48.818	ug/L	99
70) 1,2,3-Trichlorobenzene	13.80	180	219566	53.669	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 48.048 ug/L

RT: 1.14 min Scan# 77

Delta R.T. -0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

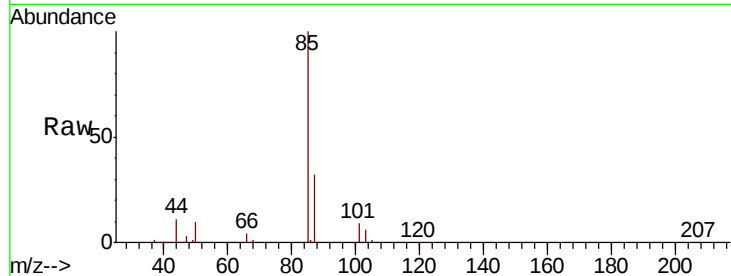
VSTD05062

Tgt Ion: 85 Resp: 236840

Ion Ratio Lower Upper

85 100

87 32.4 25.7 38.5



Abundance Ion 85.00 (84.70 to 85.70): VV007129.D (-70) (-)

Ion 87.00 (86.70 to 87.70): VV007129.D (-70) (-)

1.14

250000

200000

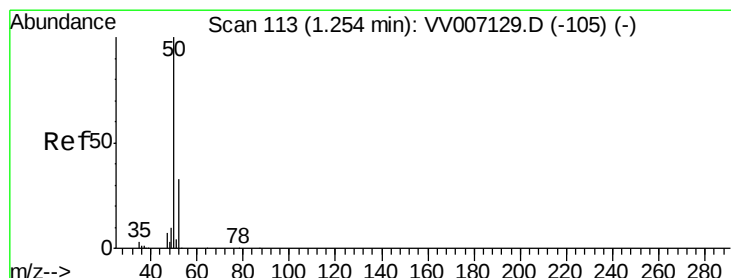
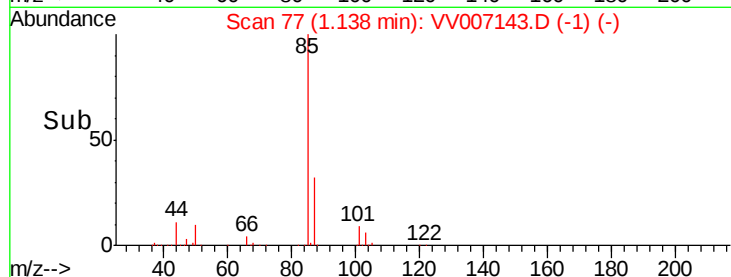
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 44.447 ug/L

RT: 1.25 min Scan# 112

Delta R.T. -0.00 min

Lab File: VV007143.D

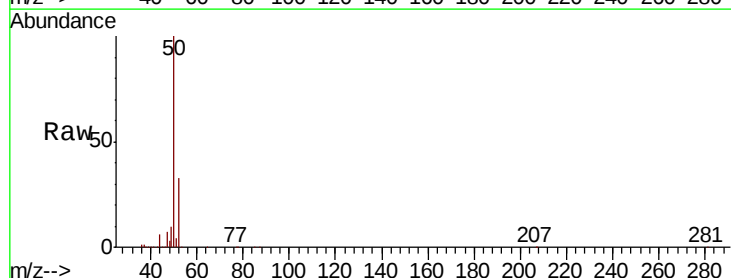
Acq: 23 Aug 2018 16:30

Tgt Ion: 50 Resp: 277390

Ion Ratio Lower Upper

50 100

52 32.9 23.0 42.8



Abundance Ion 50.00 (49.70 to 50.70): VV007129.D (-105) (-)

Ion 52.00 (51.70 to 52.70): VV007129.D (-105) (-)

1.25

300000

250000

200000

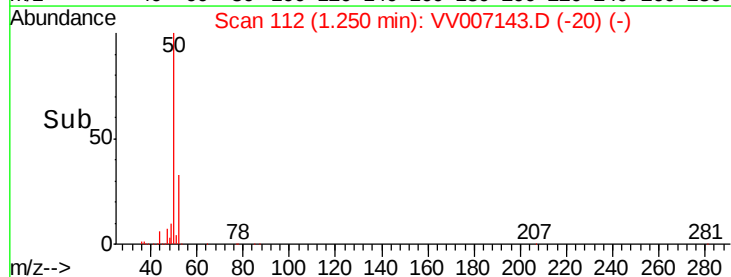
150000

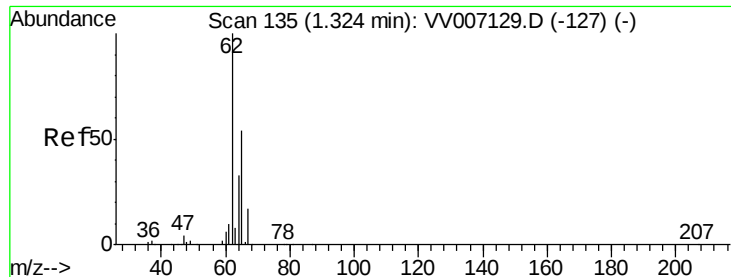
100000

50000

0

Time-->





#5

Vinyl chloride

Concen: 49.430 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

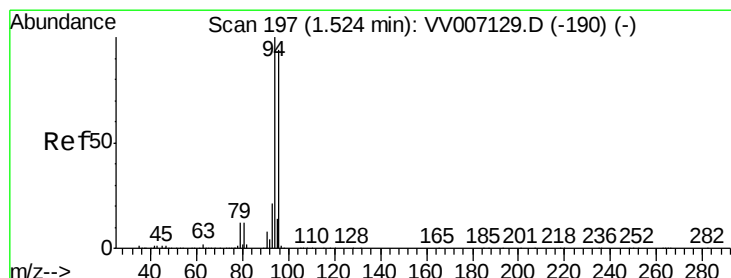
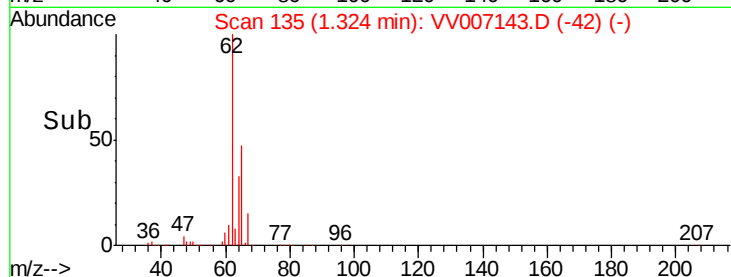
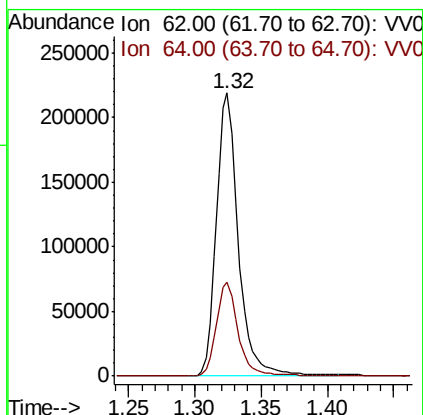
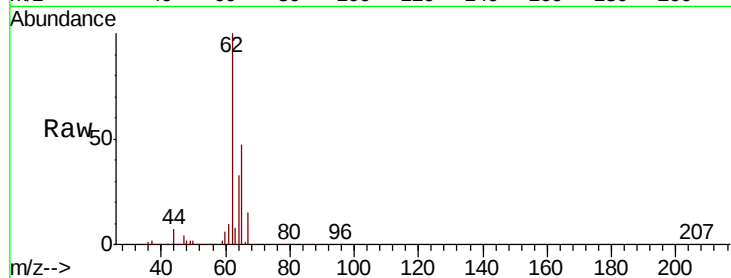
VSTD05062

Tgt Ion: 62 Resp: 253240

Ion Ratio Lower Upper

62 100

64 33.3 23.4 43.4



#6

Bromomethane

Concen: 58.370 ug/L

RT: 1.52 min Scan# 195

Delta R.T. -0.01 min

Lab File: VV007143.D

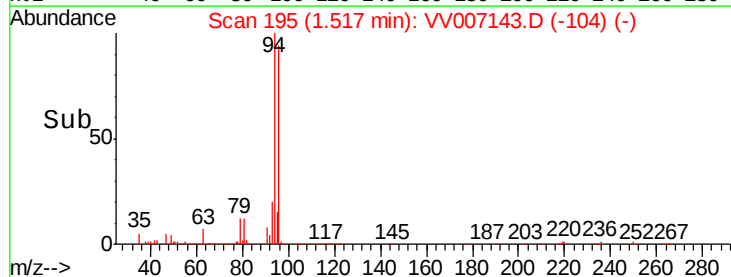
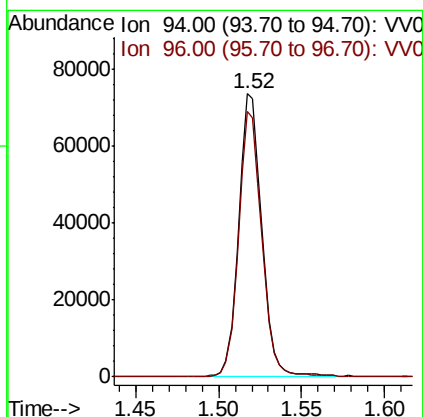
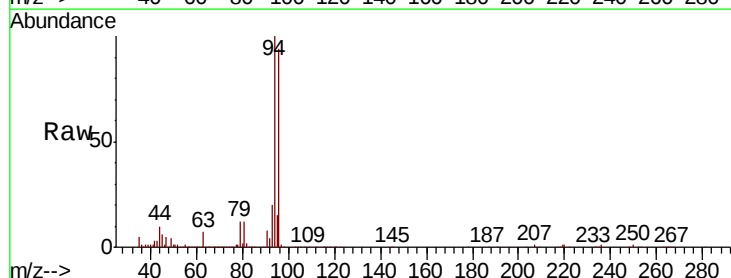
Acq: 23 Aug 2018 16:30

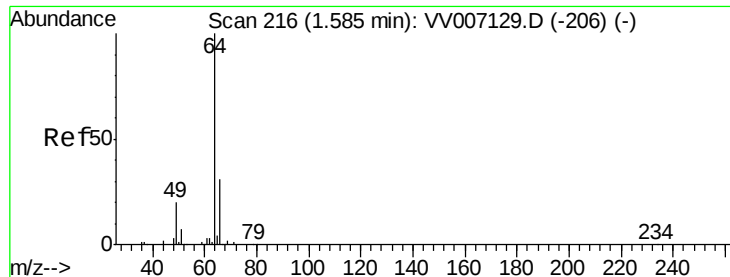
Tgt Ion: 94 Resp: 71119

Ion Ratio Lower Upper

94 100

96 94.0 65.5 121.6





#8

Chloroethane

Concen: 49.519 ug/L

RT: 1.58 min Scan# 214

Delta R.T. -0.01 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

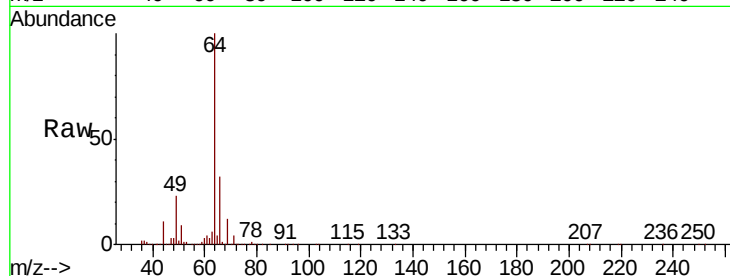
VSTD05062

Tgt Ion: 64 Resp: 137922

Ion Ratio Lower Upper

64 100

66 31.5 22.8 42.4

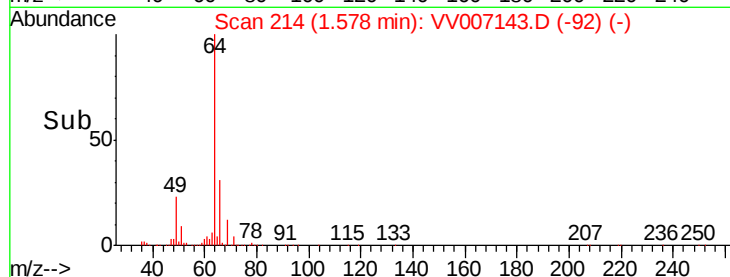


Abundance Ion 64.00 (63.70 to 64.70): VV007129.D (-206) (-)

Ion 66.00 (65.70 to 66.70): VV007129.D (-206) (-)

1.58

Time-->

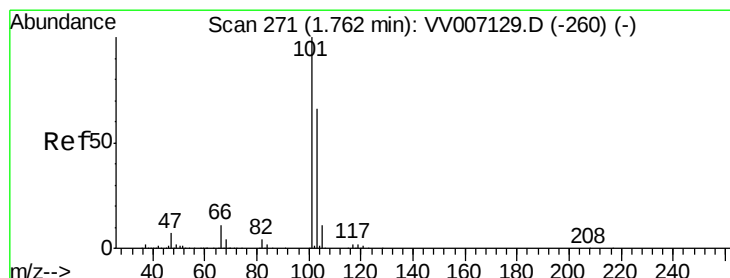


Abundance Ion 64.00 (63.70 to 64.70): VV007143.D (-92) (-)

Ion 66.00 (65.70 to 66.70): VV007143.D (-92) (-)

1.58

Time-->



#9

Trichlorofluoromethane

Concen: 51.138 ug/L

RT: 1.76 min Scan# 270

Delta R.T. -0.00 min

Lab File: VV007143.D

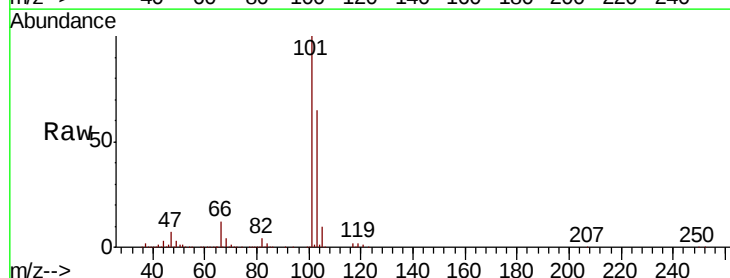
Acq: 23 Aug 2018 16:30

Tgt Ion: 101 Resp: 315075

Ion Ratio Lower Upper

101 100

103 63.9 52.5 78.7

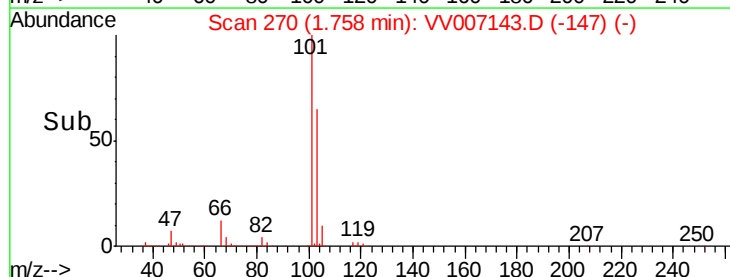


Abundance Ion 101.00 (100.70 to 101.70): VV007129.D (-260) (-)

Ion 103.00 (102.70 to 103.70): VV007129.D (-260) (-)

1.76

Time-->

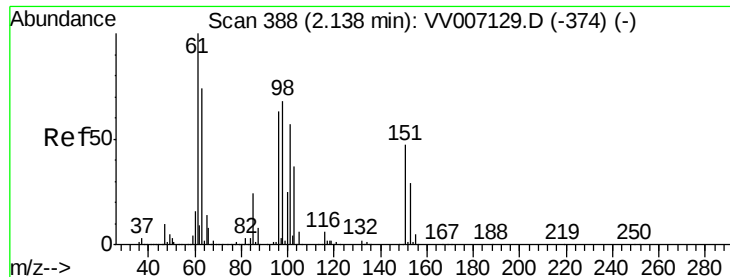


Abundance Ion 101.00 (100.70 to 101.70): VV007143.D (-147) (-)

Ion 103.00 (102.70 to 103.70): VV007143.D (-147) (-)

1.76

Time-->



#10

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

Concen: 50.334 ug/L

RT: 2.13 min Scan# 387

Delta R.T. -0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

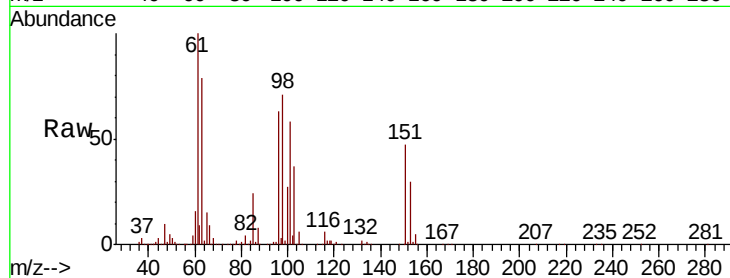
Tgt Ion:101 Resp: 189245

Ion Ratio Lower Upper

101 100

85 41.3 32.5 48.7

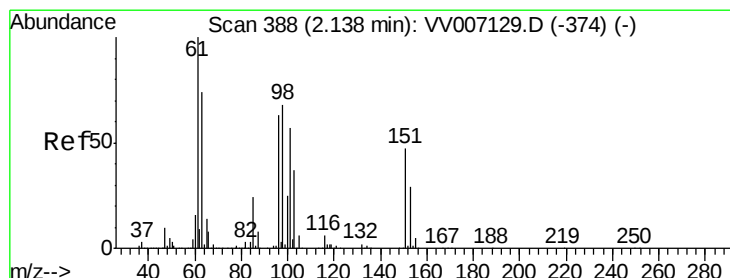
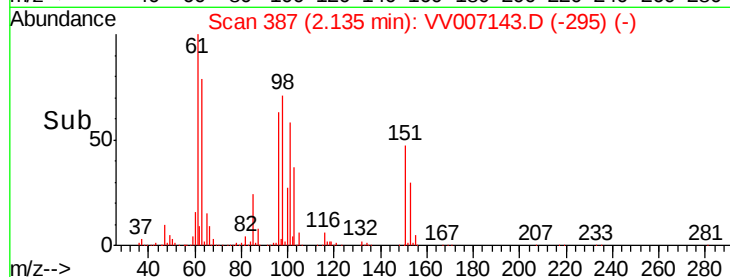
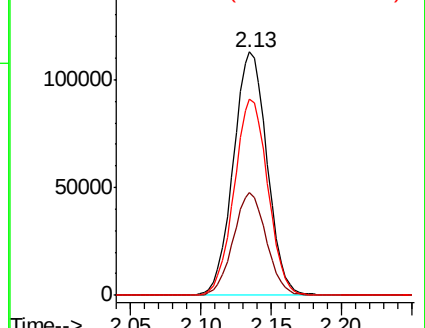
151 80.4 65.2 97.8



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: 49.466 ug/L

RT: 2.14 min Scan# 388

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

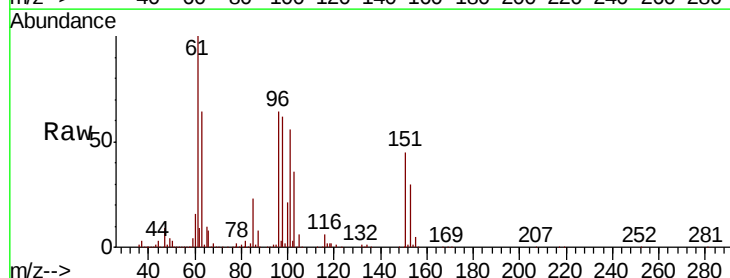
Tgt Ion: 96 Resp: 177635

Ion Ratio Lower Upper

96 100

61 156.3 110.0 204.2

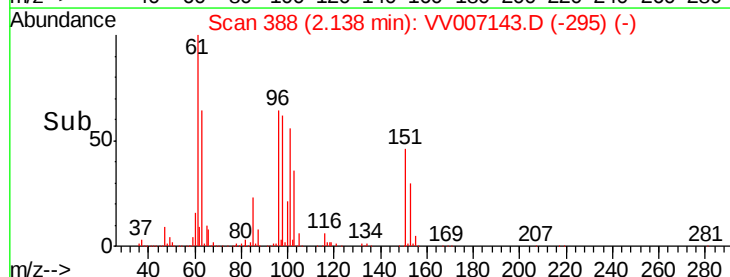
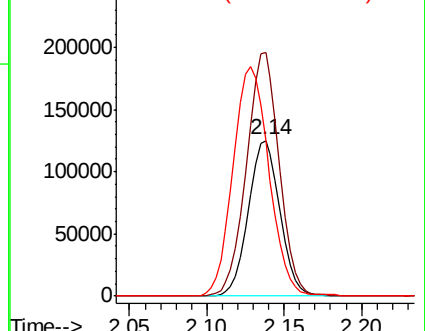
63 99.4 81.8 152.0

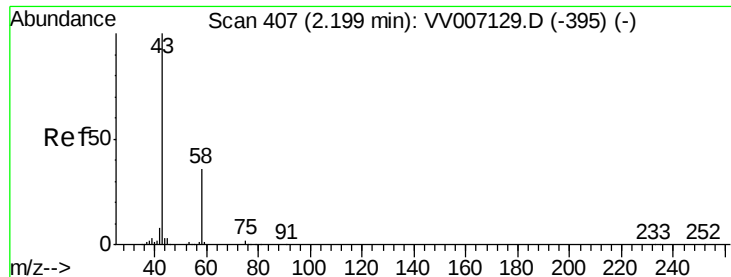


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0





#13

Acetone

Concen: 95.191 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

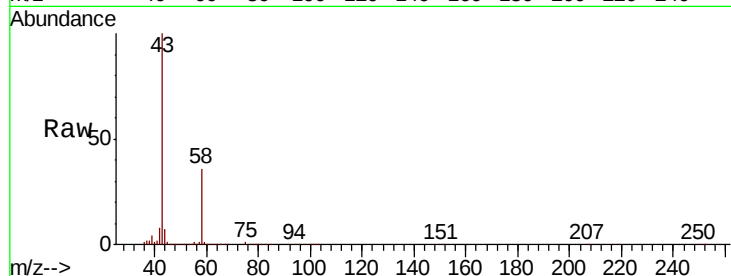
VSTD05062

Tgt Ion: 43 Resp: 215454

Ion Ratio Lower Upper

43 100

58 35.8 0.0 73.0



Abundance Ion 43.00 (42.70 to 43.70): VV007129.D (-395) (-)

Ion 58.00 (57.70 to 58.70): VV007129.D (-395) (-)

2.20

150000

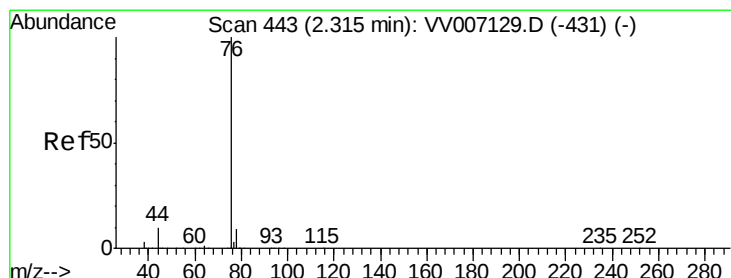
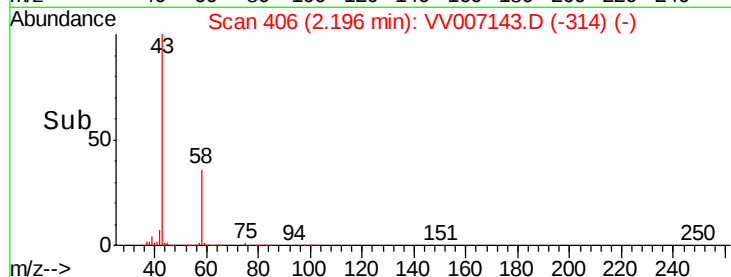
100000

50000

0

2.15 2.20 2.25 2.30

Time-->



#14

Carbon disulfide

Concen: 48.011 ug/L

RT: 2.31 min Scan# 443

Delta R.T. 0.00 min

Lab File: VV007143.D

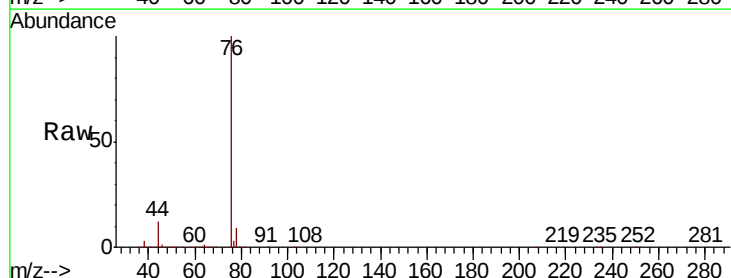
Acq: 23 Aug 2018 16:30

Tgt Ion: 76 Resp: 525945

Ion Ratio Lower Upper

76 100

78 9.3 7.2 10.8



Abundance Ion 76.00 (75.70 to 76.70): VV007129.D (-431) (-)

Ion 78.00 (77.70 to 78.70): VV007129.D (-431) (-)

2.31

400000

300000

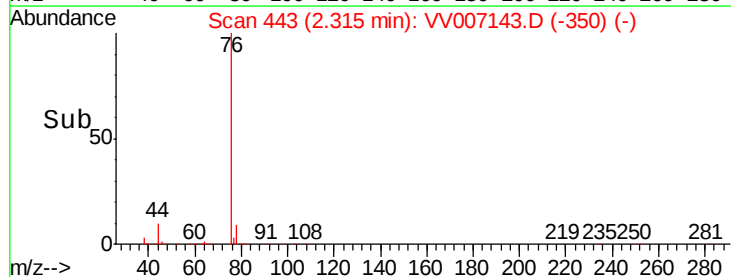
200000

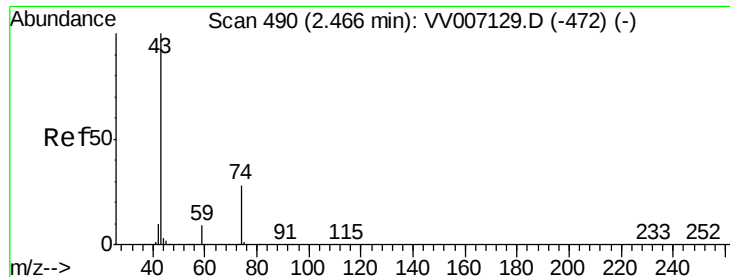
100000

0

2.25 2.30 2.35 2.40

Time-->

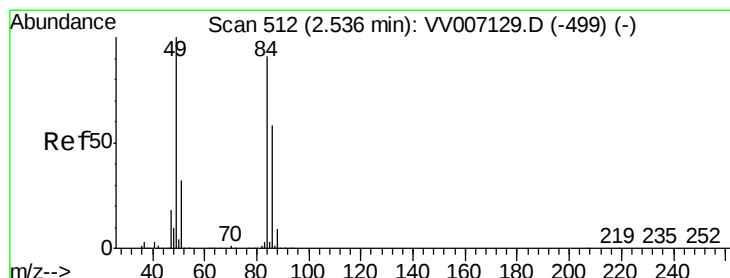
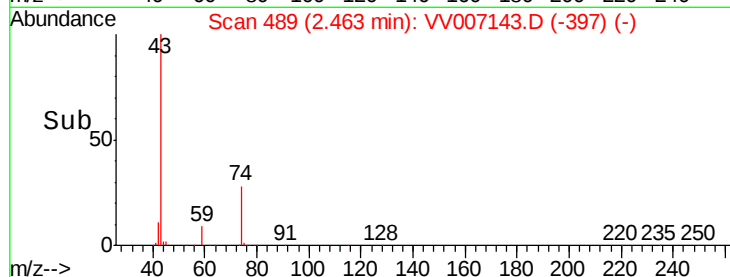
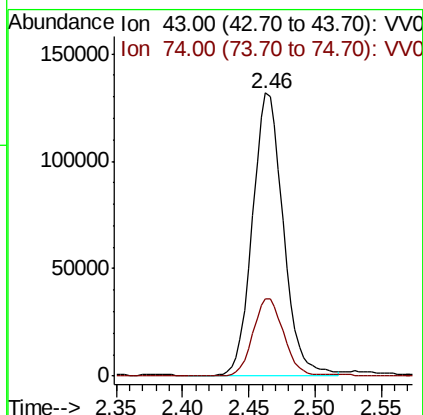
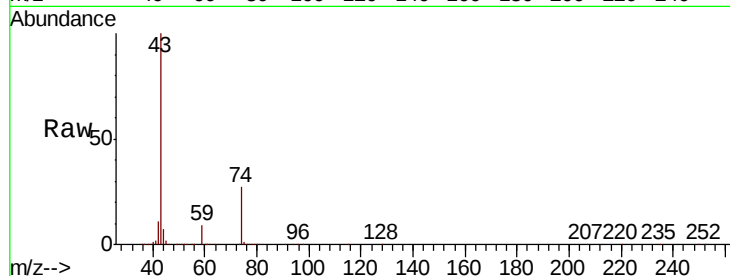




#15
Methyl Acetate
Concen: 51.657 ug/L
RT: 2.46 min Scan# 489
Delta R.T. -0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

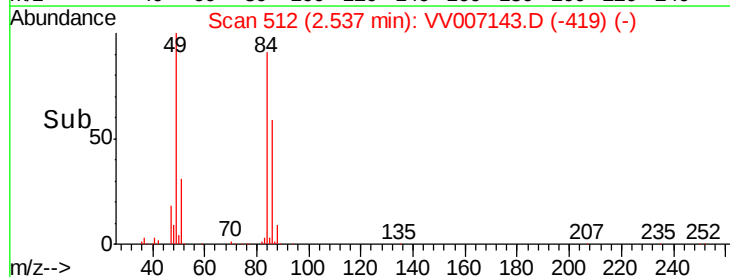
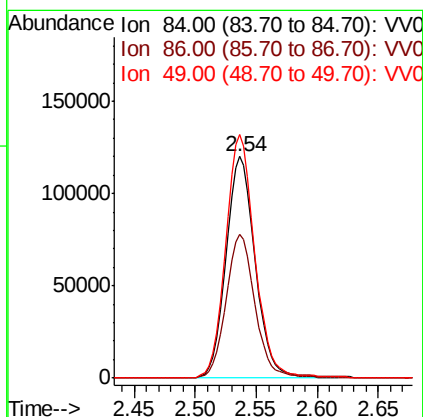
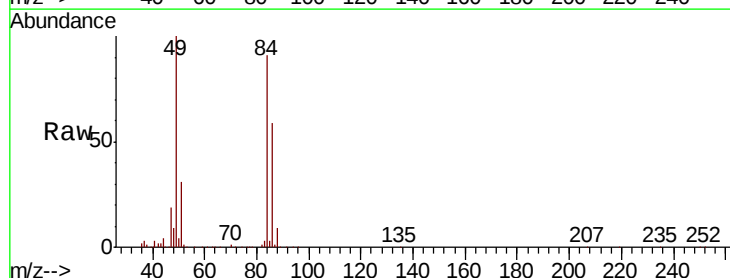
Instrument :
MSVOA_V
ClientSampled :
VSTD05062

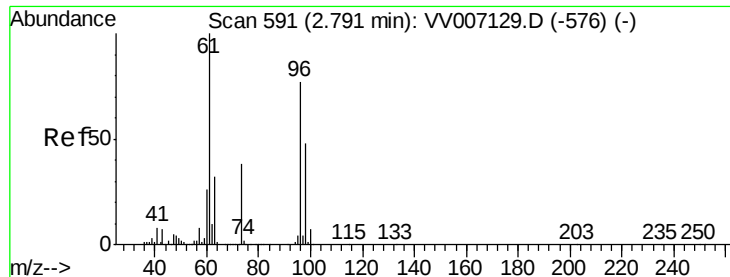
Tgt Ion: 43 Resp: 212420
Ion Ratio Lower Upper
43 100
74 27.7 22.2 33.2



#16
Methylene chloride
Concen: 49.065 ug/L
RT: 2.54 min Scan# 512
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

Tgt Ion: 84 Resp: 202523
Ion Ratio Lower Upper
84 100
86 64.8 45.4 84.4
49 109.8 76.7 142.5





#17

trans-1,2-Dichloroethene

Concen: 49.492 ug/L

RT: 2.79 min Scan# 591

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

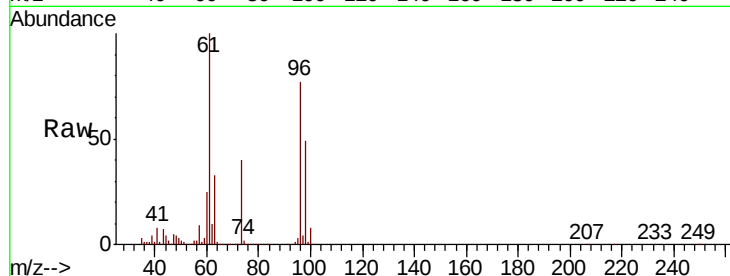
Tgt Ion: 96 Resp: 192734

Ion Ratio Lower Upper

96 100

61 130.2 89.1 165.5

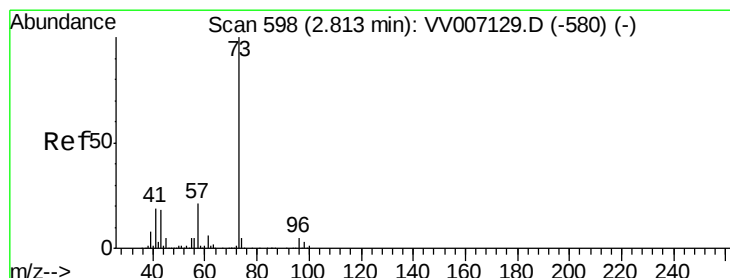
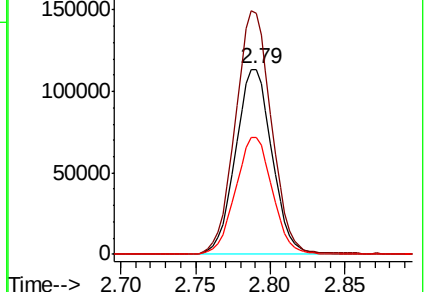
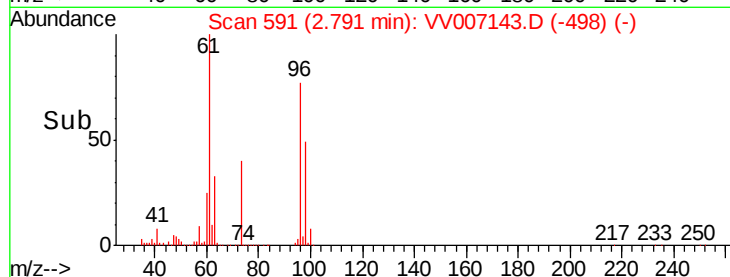
98 63.2 43.6 81.0



Abundance Ion 96.00 (95.70 to 96.70): VV007143.D (-498) (-)

Ion 61.00 (60.70 to 61.70): VV007143.D (-498) (-)

Ion 98.00 (97.70 to 98.70): VV007143.D (-498) (-)



#18

Methyl tert-butyl Ether

Concen: 49.933 ug/L

RT: 2.81 min Scan# 598

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

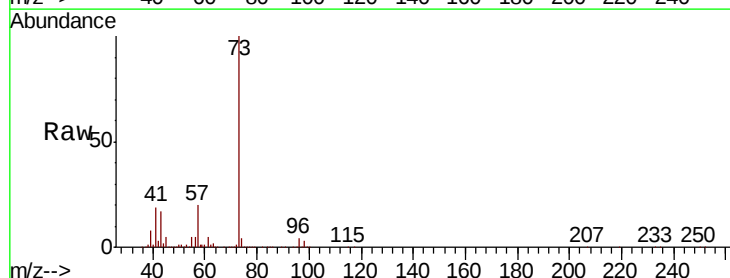
Tgt Ion: 73 Resp: 596766

Ion Ratio Lower Upper

73 100

43 16.5 13.6 20.4

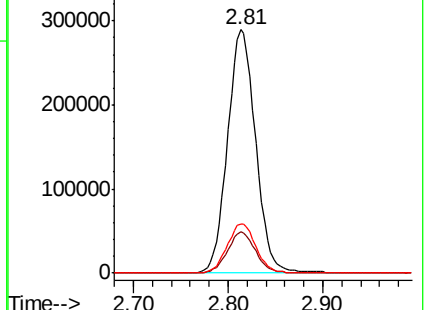
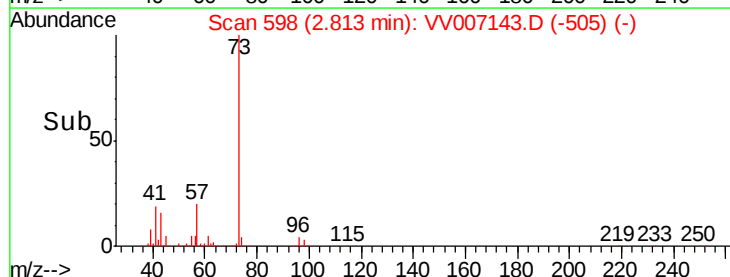
57 20.7 16.6 25.0

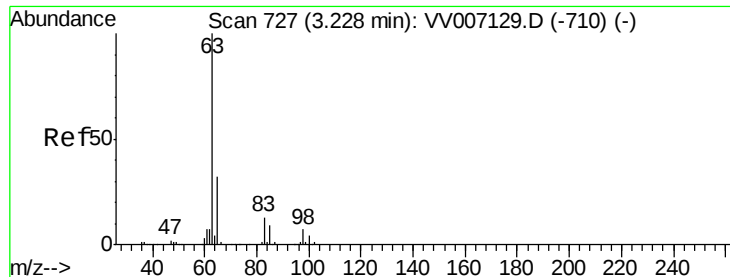


Abundance Ion 73.00 (72.70 to 73.70): VV007143.D (-505) (-)

Ion 43.00 (42.70 to 43.70): VV007143.D (-505) (-)

Ion 57.00 (56.70 to 57.70): VV007143.D (-505) (-)





#19

1,1-Dichloroethane

Concen: 50.028 ug/L

RT: 3.23 min Scan# 727

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

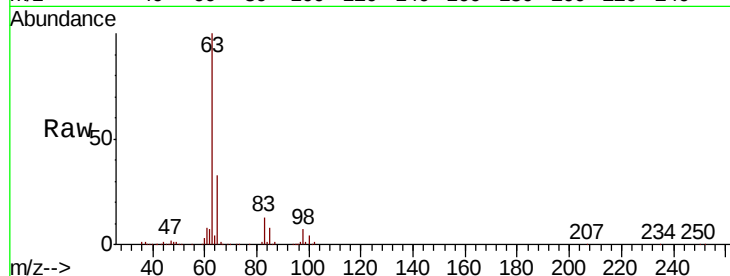
Tgt Ion: 63 Resp: 400976

Ion Ratio Lower Upper

63 100

65 32.7 22.7 42.3

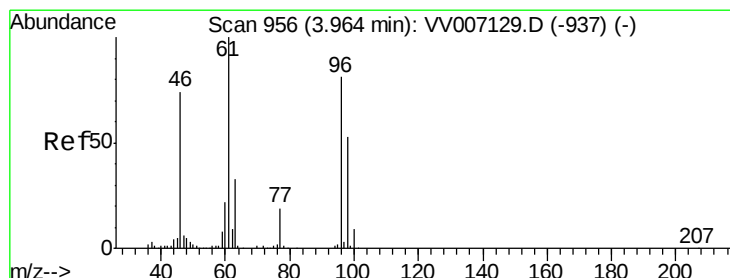
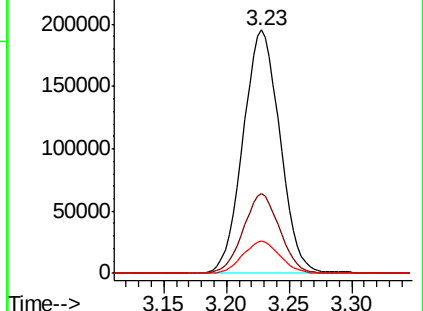
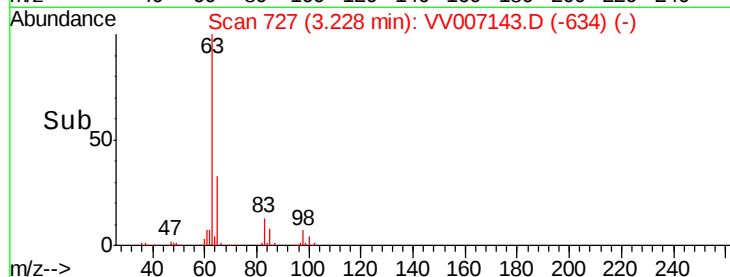
83 13.2 9.4 17.6



Abundance Ion 63.00 (62.70 to 63.70): VV007143.D (-634) (-)

Ion 65.00 (64.70 to 65.70): VV007143.D (-634) (-)

Ion 83.00 (82.70 to 83.70): VV007143.D (-634) (-)



#20

cis-1,2-Dichloroethene

Concen: 48.747 ug/L

RT: 3.96 min Scan# 956

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

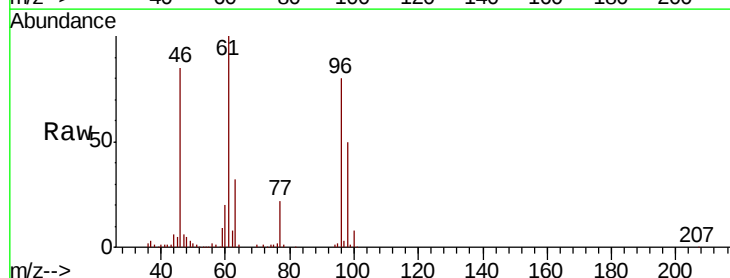
Tgt Ion: 96 Resp: 220621

Ion Ratio Lower Upper

96 100

61 125.5 89.0 165.4

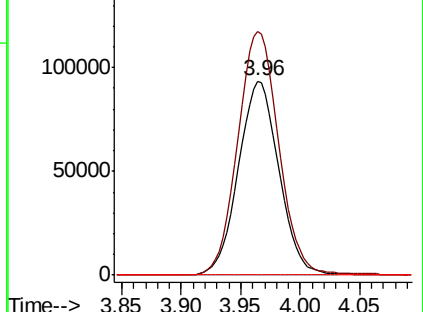
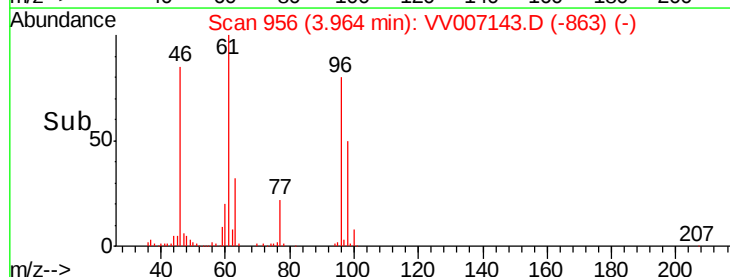
68 0.0 0.0 0.0

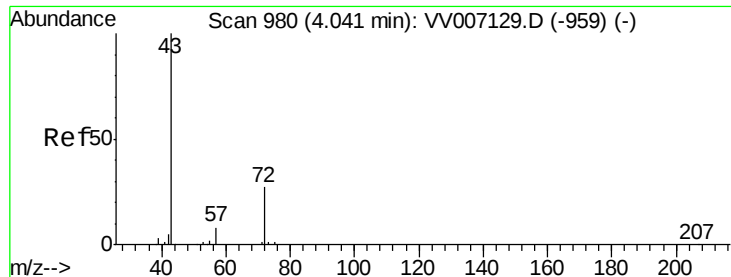


Abundance Ion 96.00 (95.70 to 96.70): VV007143.D (-863) (-)

Ion 61.00 (60.70 to 61.70): VV007143.D (-863) (-)

Ion 68.00 (67.70 to 68.70): VV007143.D (-863) (-)





#22

2-Butanone

Concen: 102.689 ug/L

RT: 4.04 min Scan# 980

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

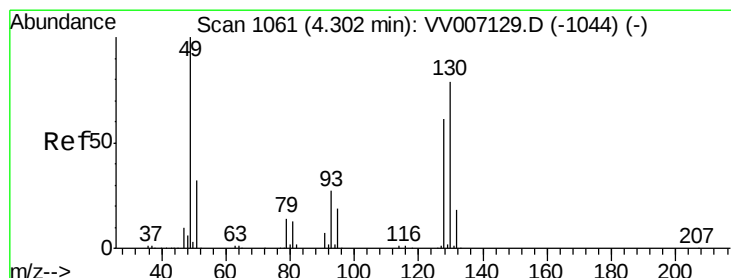
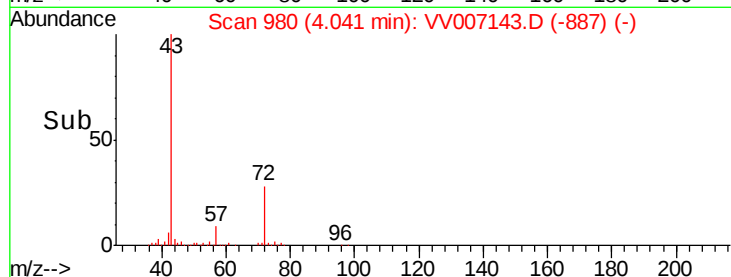
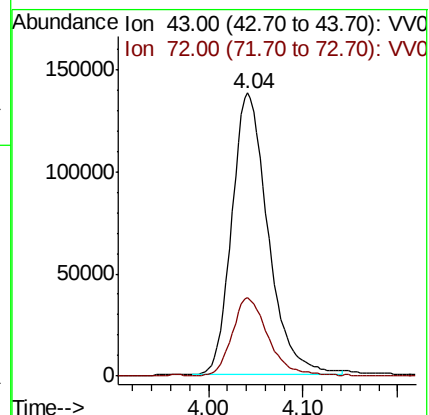
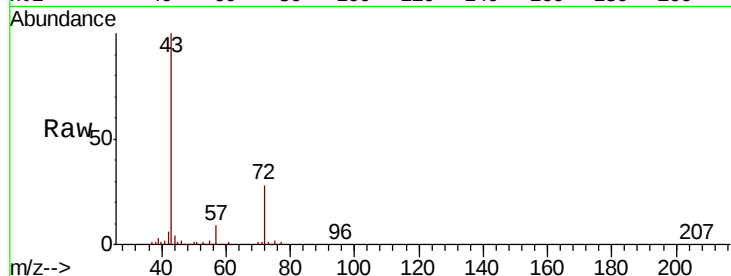
VSTD05062

Tgt Ion: 43 Resp: 367199

Ion Ratio Lower Upper

43 100

72 27.2 13.6 40.8



#23

Bromochloromethane

Concen: 50.208 ug/L

RT: 4.30 min Scan# 1061

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Tgt Ion: 128 Resp: 116837

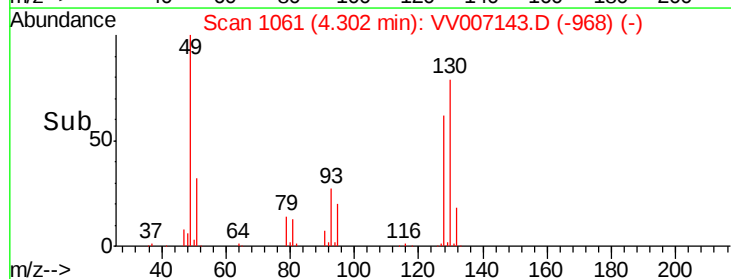
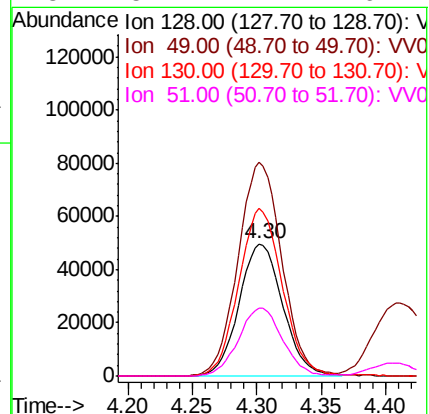
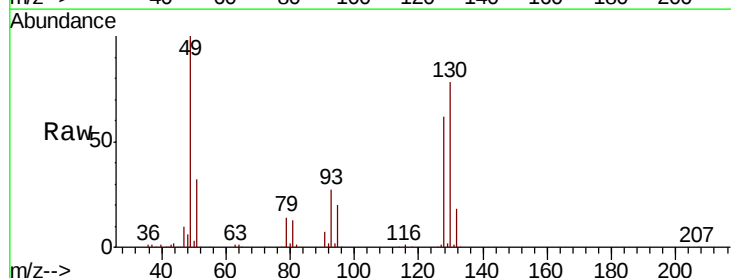
Ion Ratio Lower Upper

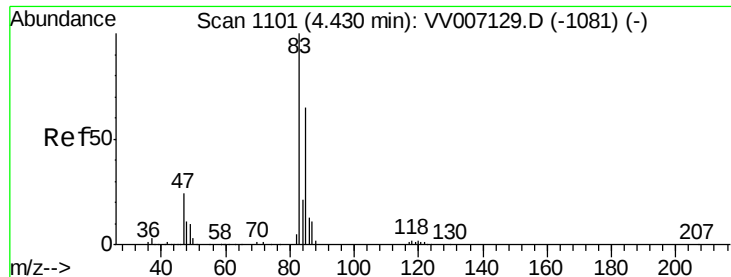
128 100

49 161.5 116.4 216.2

130 126.4 91.6 170.2

51 51.1 41.4 62.2





#25

Chloroform

Concen: 50.525 ug/L

RT: 4.43 min Scan# 1102

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

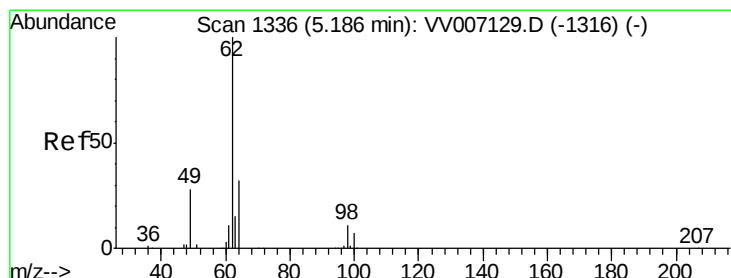
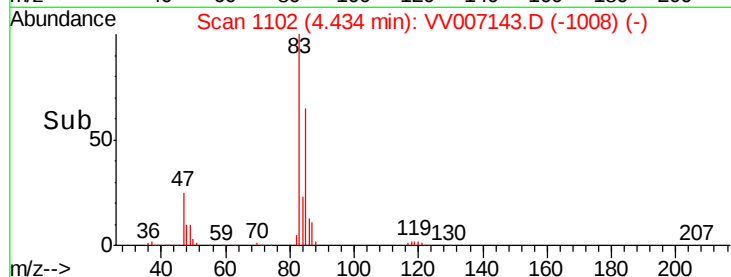
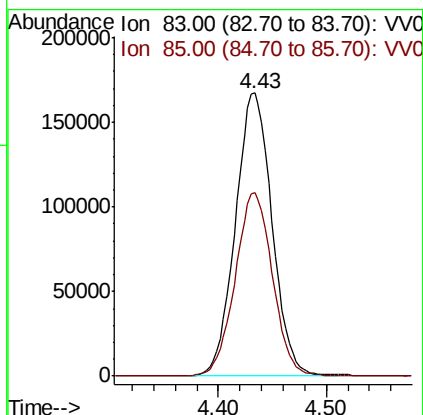
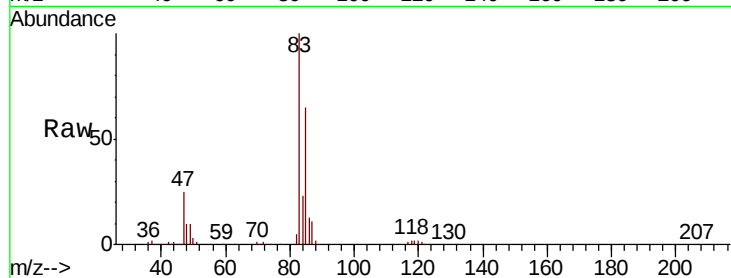
VSTD05062

Tgt Ion: 83 Resp: 397059

Ion Ratio Lower Upper

83 100

85 65.0 44.4 82.5



#27

1,2-Dichloroethane

Concen: 50.034 ug/L

RT: 5.19 min Scan# 1336

Delta R.T. 0.00 min

Lab File: VV007143.D

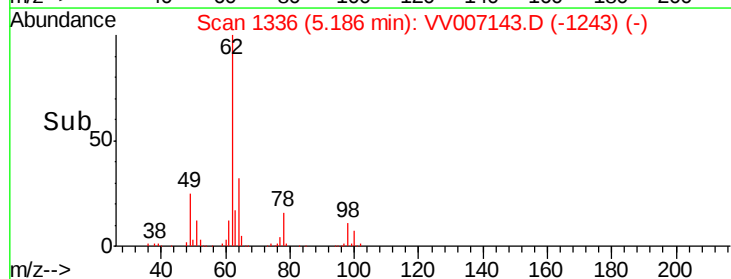
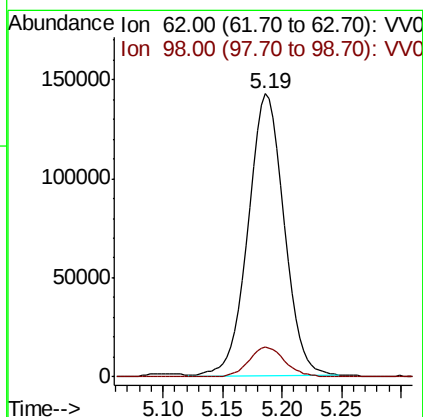
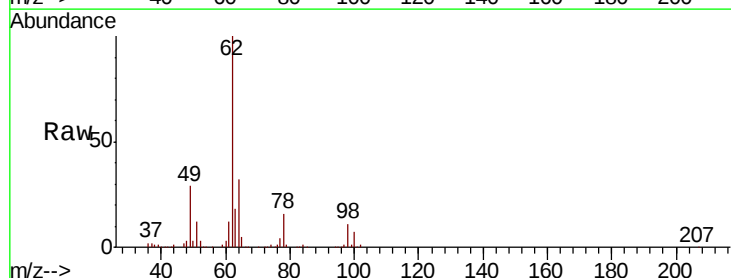
Acq: 23 Aug 2018 16:30

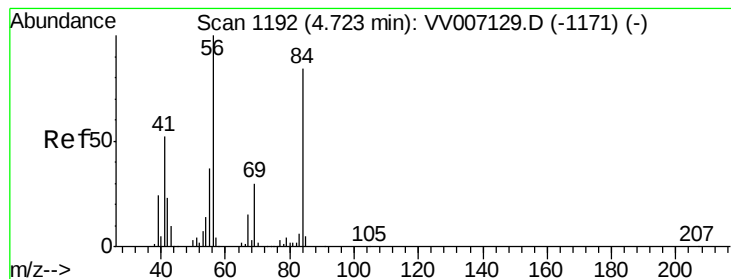
Tgt Ion: 62 Resp: 298298

Ion Ratio Lower Upper

62 100

98 10.5 8.7 13.1





#29

Cyclohexane

Concen: 48.823 ug/L

RT: 4.72 min Scan# 1192

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

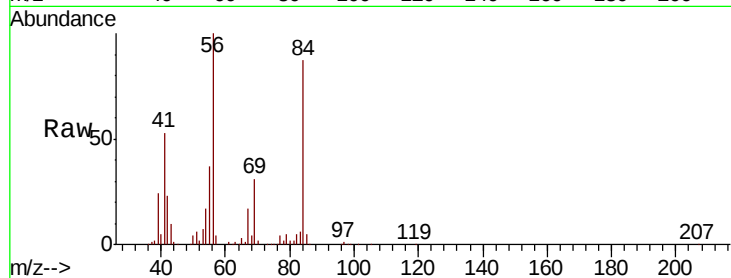
Tgt Ion: 56 Resp: 320858

Ion Ratio Lower Upper

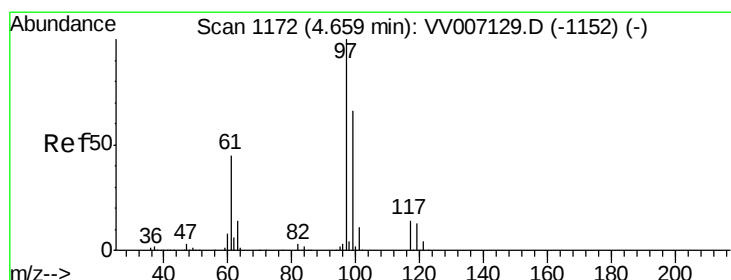
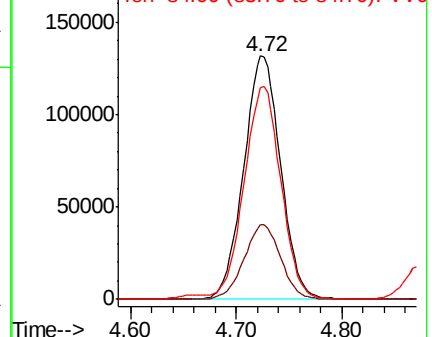
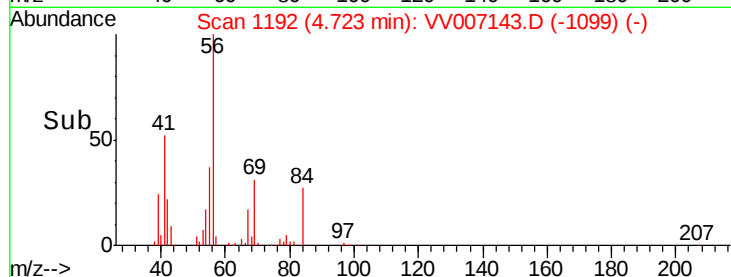
56 100

69 30.5 24.5 36.7

84 87.4 69.0 103.6



Abundance Ion 56.00 (55.70 to 56.70): VV007143.D (-1099) (-)



#30

1,1,1-Trichloroethane

Concen: 49.947 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

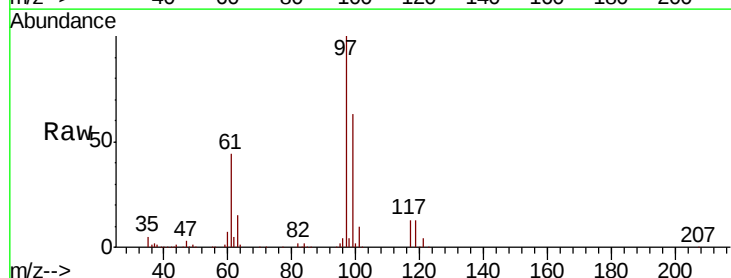
Tgt Ion: 97 Resp: 330847

Ion Ratio Lower Upper

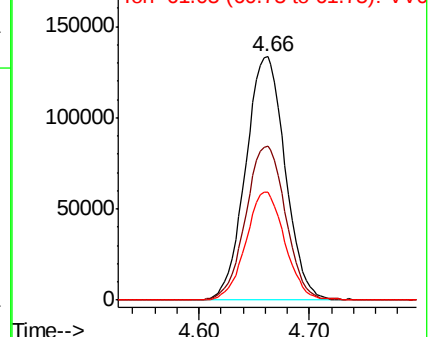
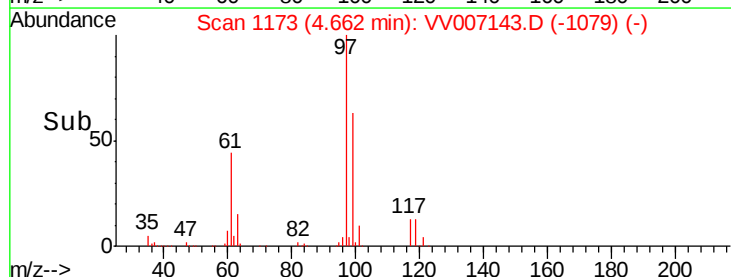
97 100

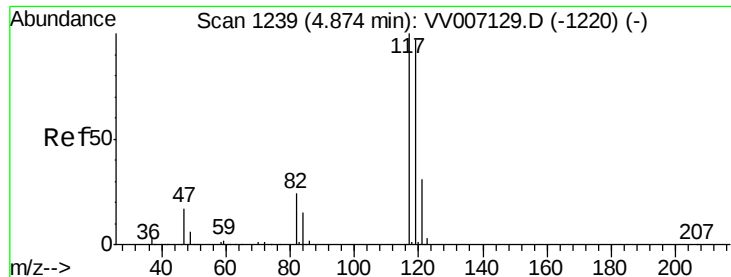
99 63.9 51.3 76.9

61 44.0 34.8 52.2



Abundance Ion 97.00 (96.70 to 97.70): VV007143.D (-1079) (-)

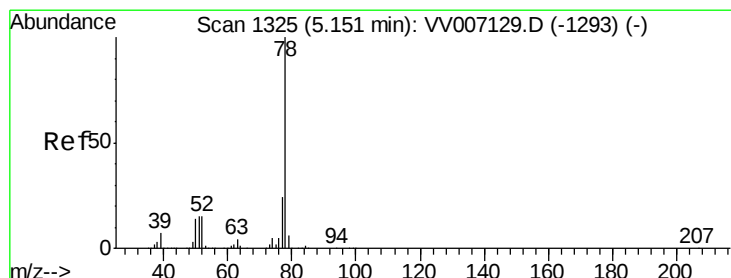
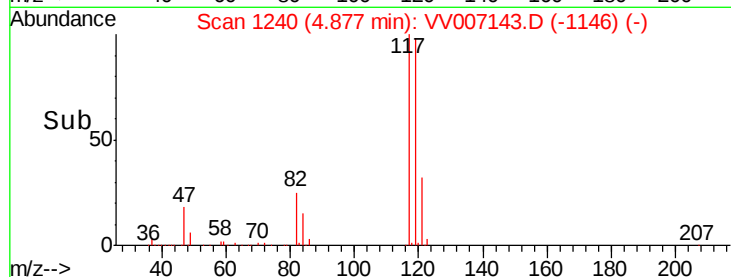
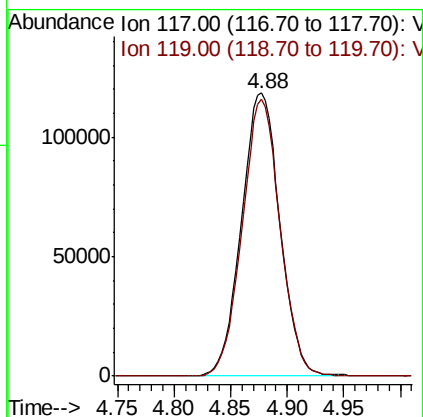
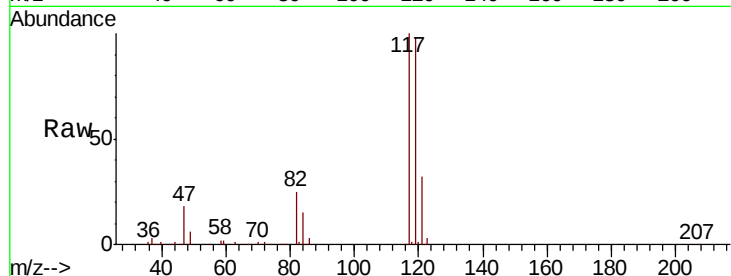




#31
Carbon tetrachloride
Concen: 50.239 ug/L
RT: 4.88 min Scan# 1240
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

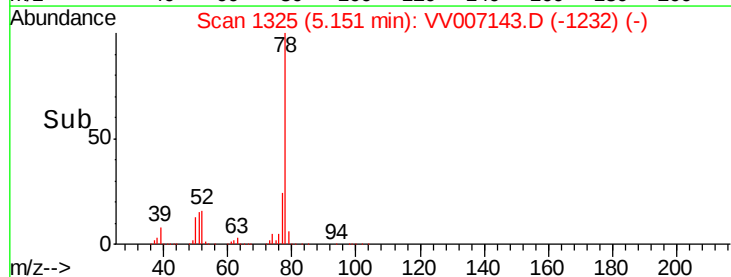
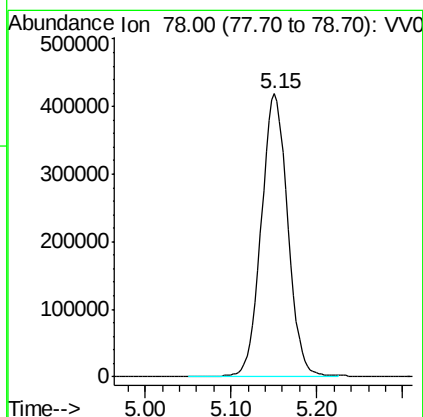
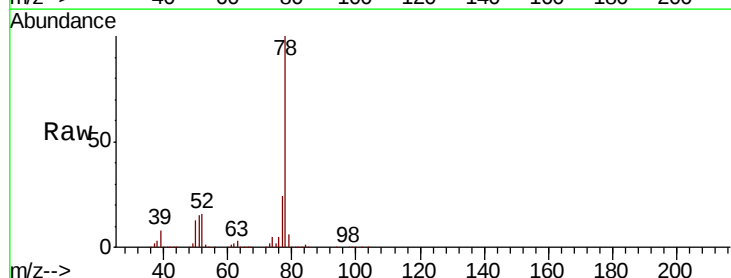
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

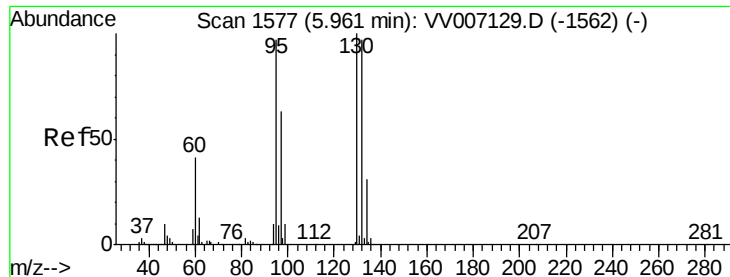
Tgt Ion:117 Resp: 280270
Ion Ratio Lower Upper
117 100
119 96.0 77.4 116.2



#33
Benzene
Concen: 50.338 ug/L
RT: 5.15 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

Tgt Ion: 78 Resp: 901425

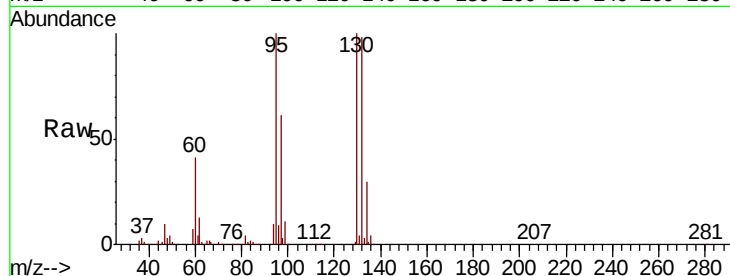




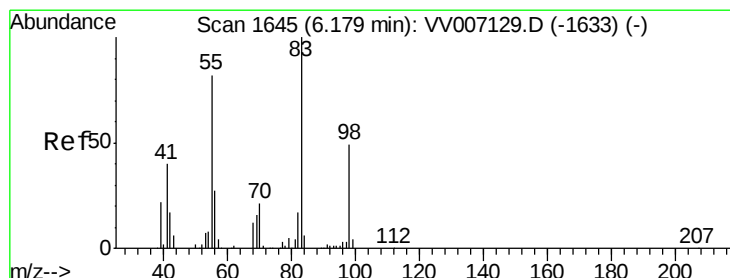
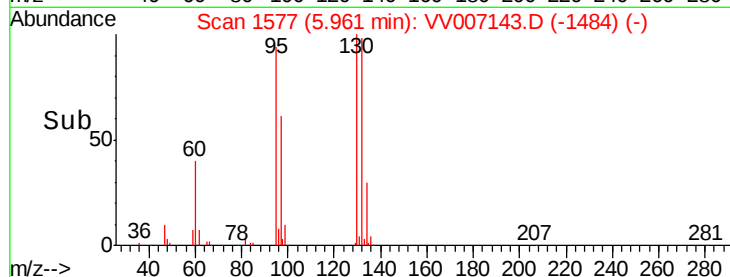
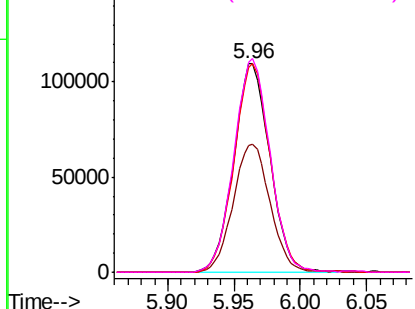
#34
 Trichloroethene
 Concen: 49.023 ug/L
 RT: 5.96 min Scan# 1577
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion: 95 Resp: 208063
 Ion Ratio Lower Upper
 95 100
 97 60.9 45.1 83.9
 132 98.1 69.7 129.4
 130 100.4 73.6 136.6

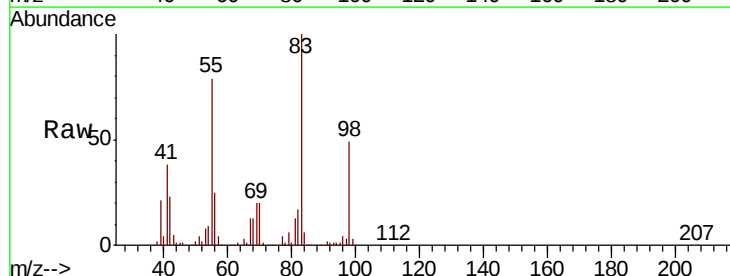


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

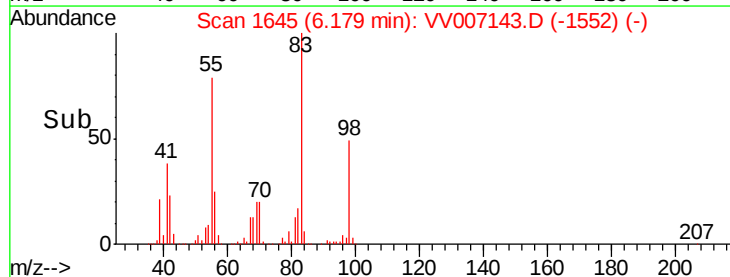
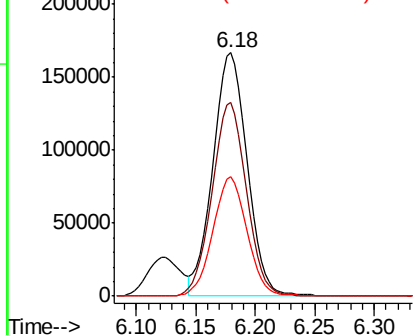


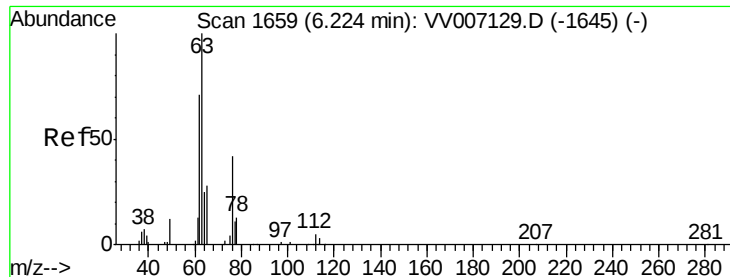
#35
 Methylcyclohexane
 Concen: 49.379 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

Tgt Ion: 83 Resp: 333452
 Ion Ratio Lower Upper
 83 100
 55 79.7 65.5 98.3
 98 49.0 39.2 58.8



Abundance Ion 83.00 (82.70 to 83.70): VV0
 Ion 55.00 (54.70 to 55.70): VV0
 Ion 98.00 (97.70 to 98.70): VV0





#37

1,2-Dichloropropane

Concen: 51.706 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

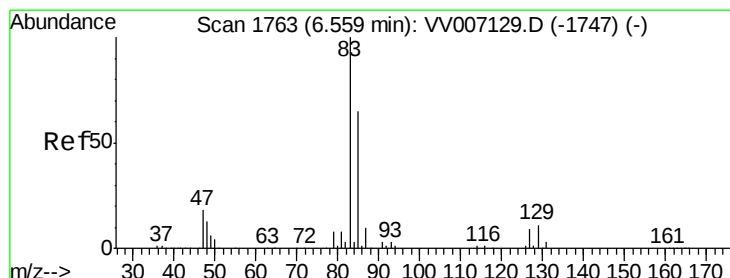
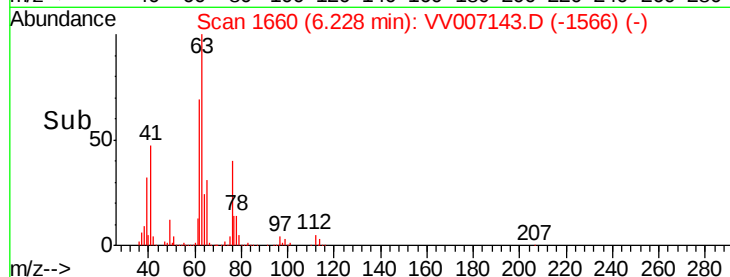
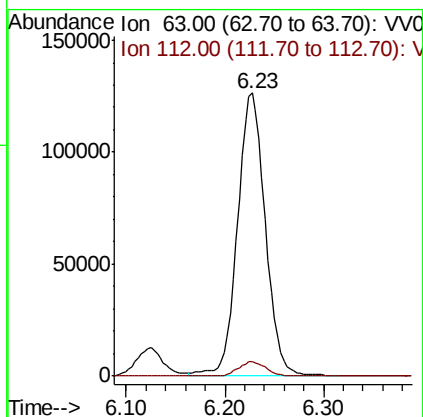
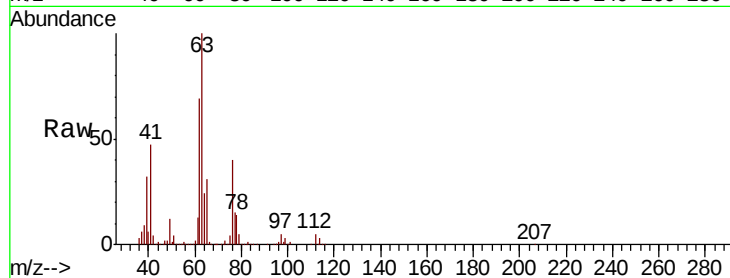
VSTD05062

Tgt Ion: 63 Resp: 245659

Ion Ratio Lower Upper

63 100

112 5.0 4.0 6.0



#38

Bromodichloromethane

Concen: 49.514 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

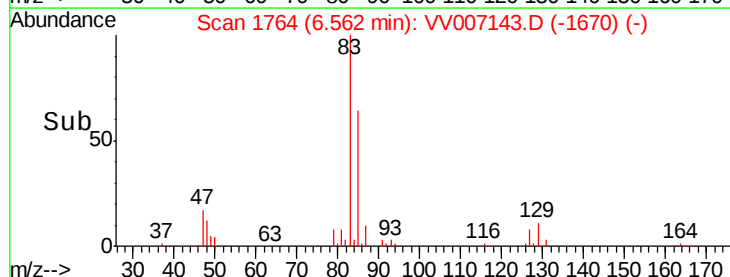
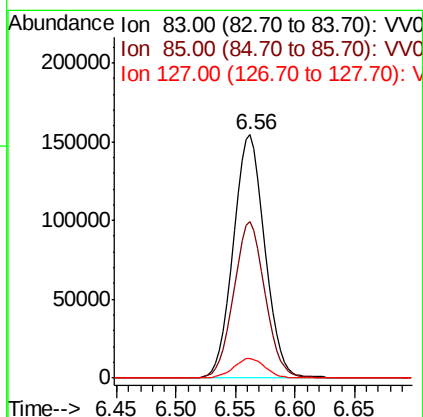
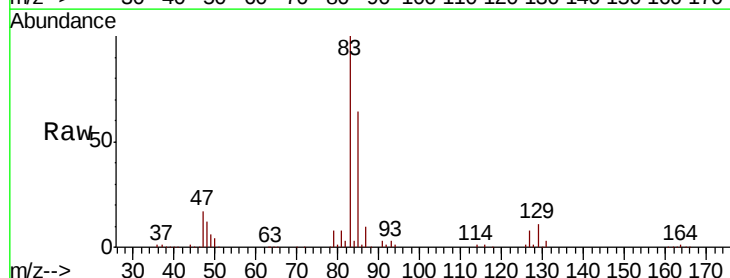
Tgt Ion: 83 Resp: 283176

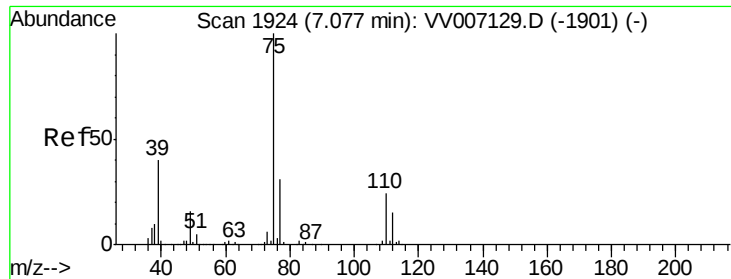
Ion Ratio Lower Upper

83 100

85 64.1 44.9 83.3

127 8.2 7.0 10.4

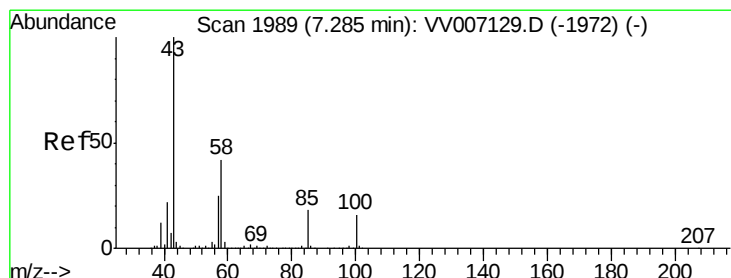
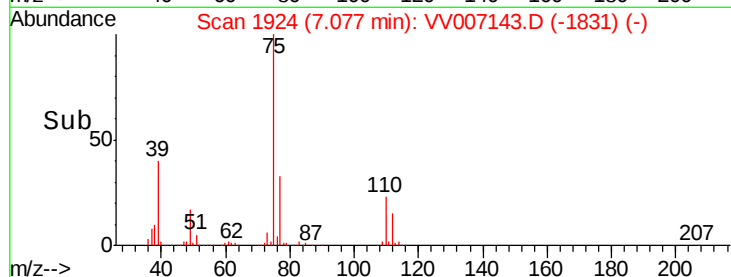
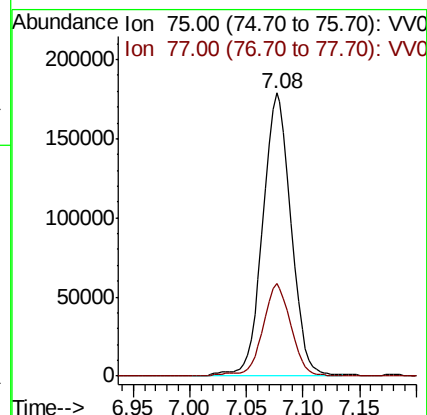
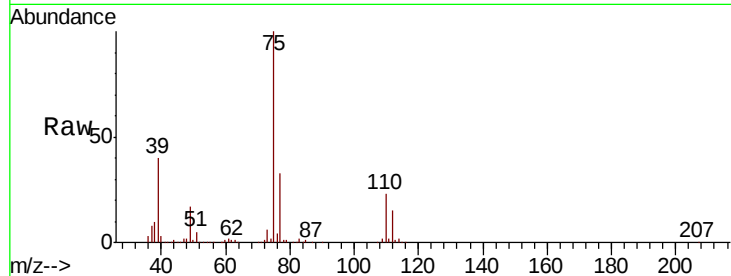




#39
 cis-1,3-Dichloropropene
 Concen: 48.583 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

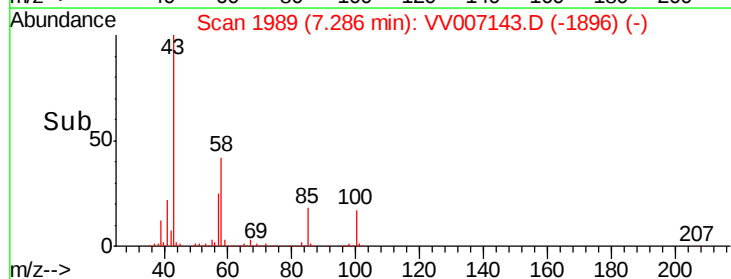
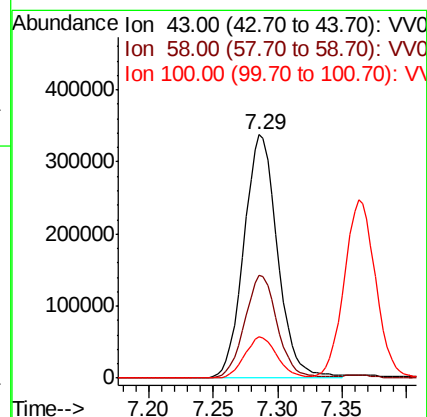
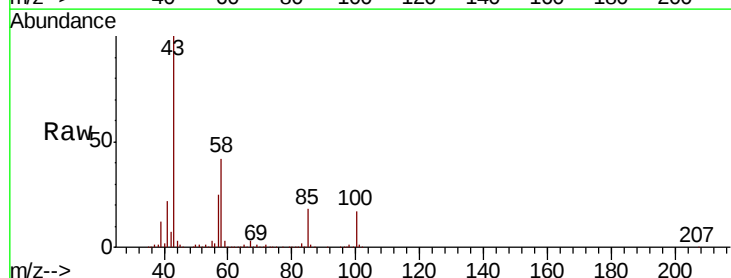
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

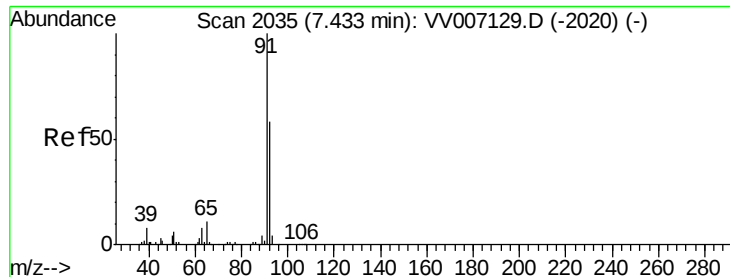
Tgt Ion: 75 Resp: 311879
 Ion Ratio Lower Upper
 75 100
 77 32.7 21.8 40.4



#40
 4-Methyl-2-pentanone
 Concen: 105.870 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

Tgt Ion: 43 Resp: 614095
 Ion Ratio Lower Upper
 43 100
 58 40.9 33.4 50.0
 100 16.4 13.1 19.7





#42

Toluene

Concen: 52.048 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

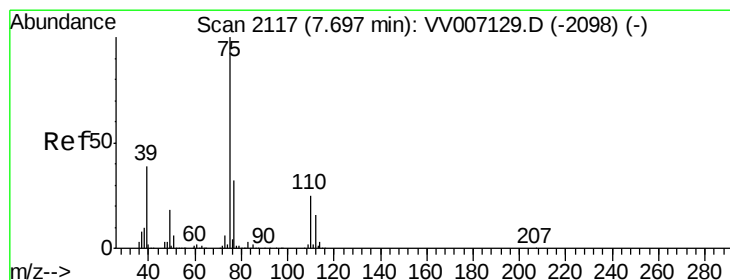
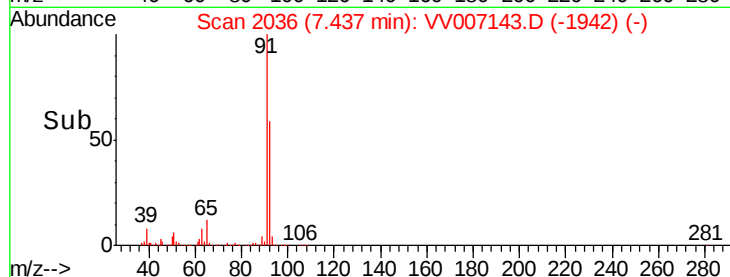
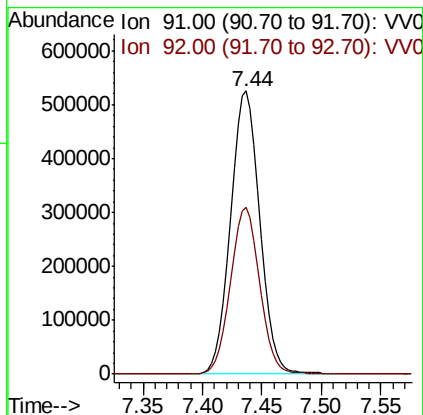
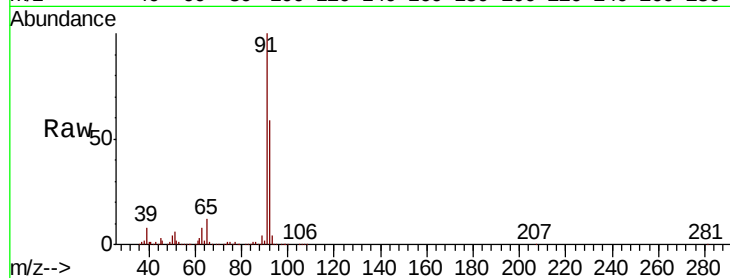
VSTD05062

Tgt Ion: 91 Resp: 898541

Ion Ratio Lower Upper

91 100

92 59.0 40.9 75.9



#44

trans-1,3-Dichloropropene

Concen: 49.688 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007143.D

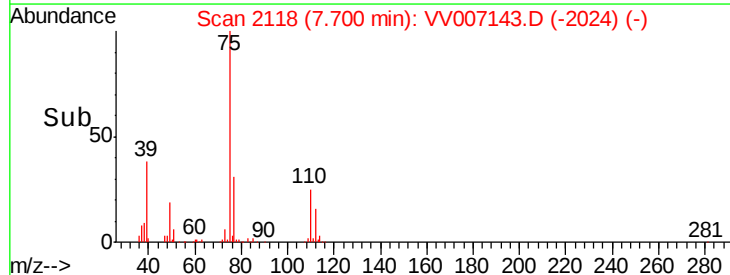
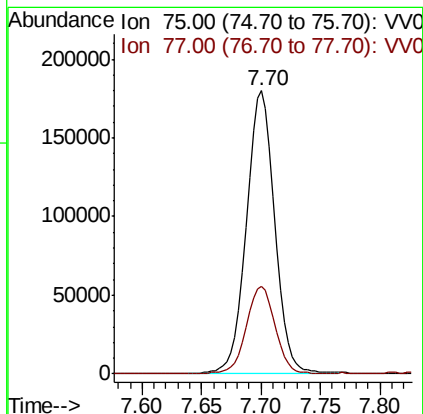
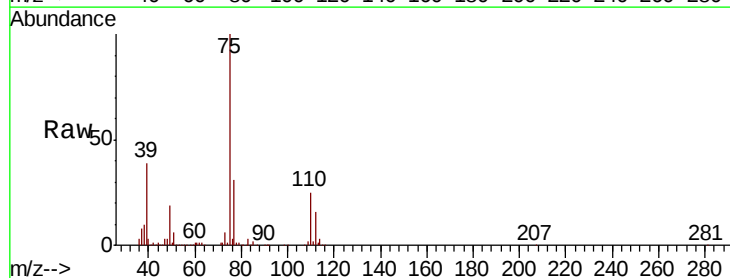
Acq: 23 Aug 2018 16:30

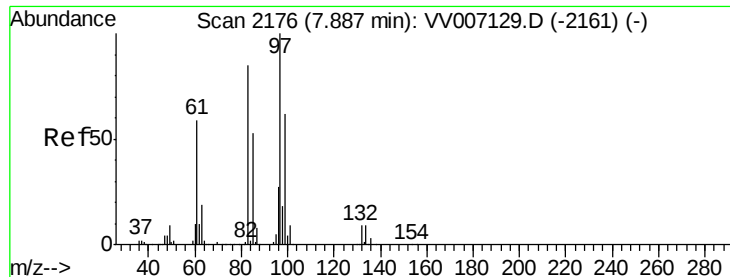
Tgt Ion: 75 Resp: 297220

Ion Ratio Lower Upper

75 100

77 31.0 22.0 41.0

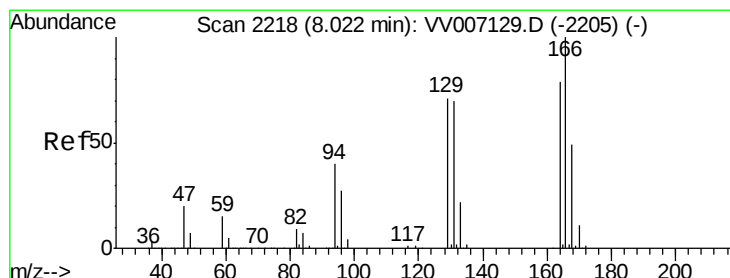
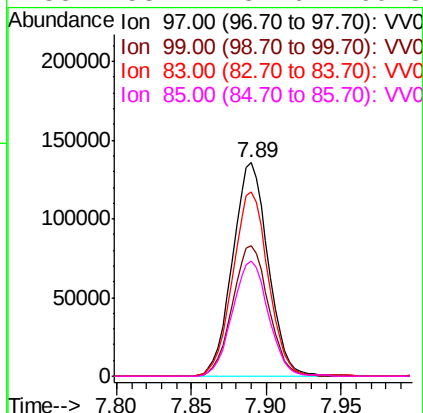
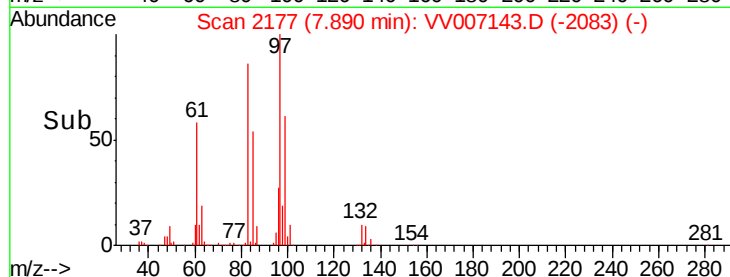
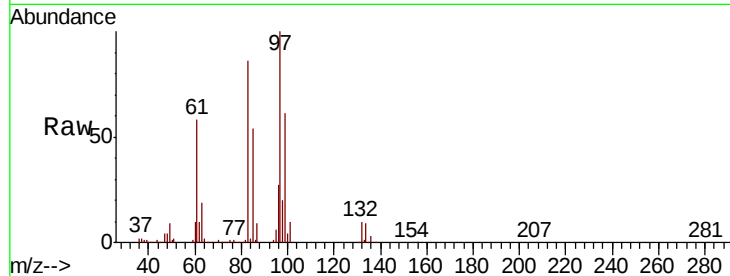




#45
 1,1,2-Trichloroethane
 Concen: 50.536 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

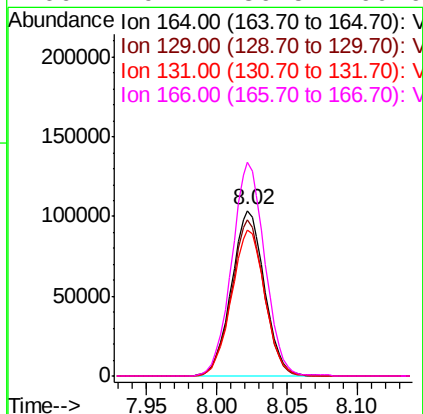
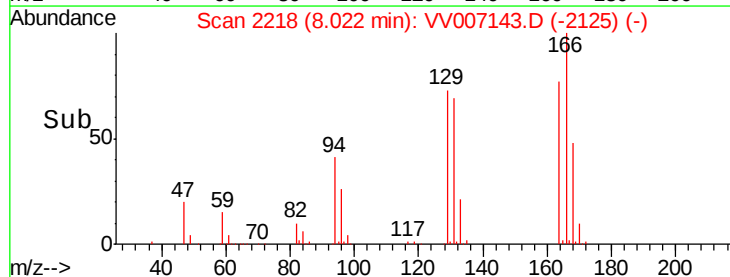
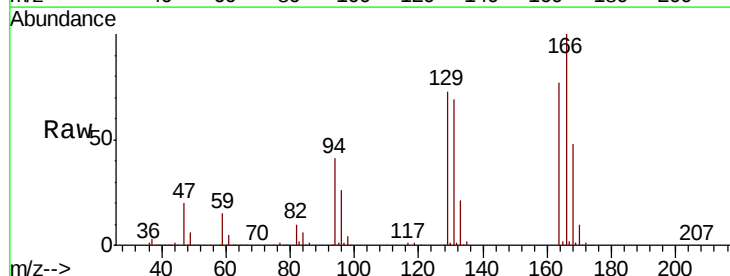
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

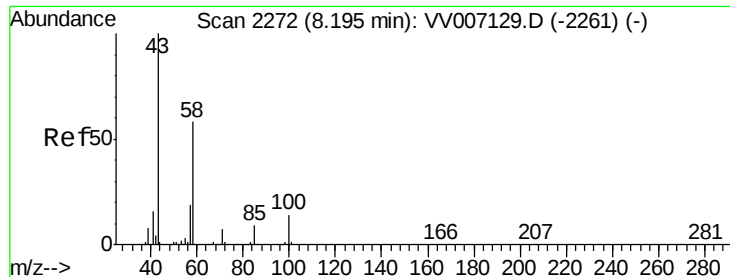
Tgt Ion:	97	Resp:	225451
Ion	Ratio	Lower	Upper
97	100		
99	61.3	42.8	79.4
83	86.5	59.6	110.8
85	53.7	37.6	69.8



#46
 Tetrachloroethene
 Concen: 49.196 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

Tgt Ion:	164	Resp:	170213
Ion	Ratio	Lower	Upper
164	100		
129	94.2	64.5	119.9
131	88.5	61.7	114.7
166	129.1	86.5	160.6

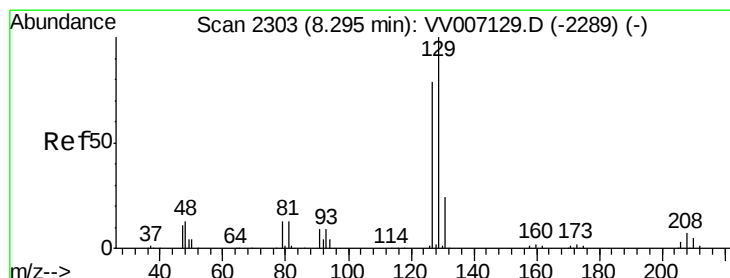
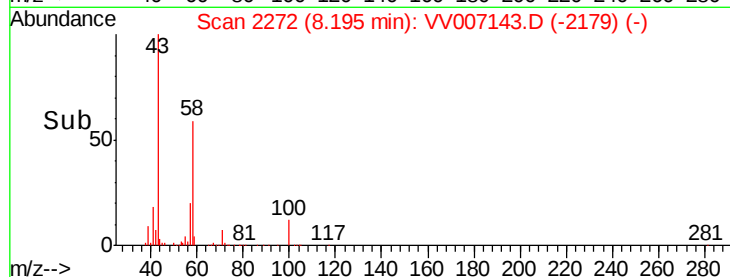
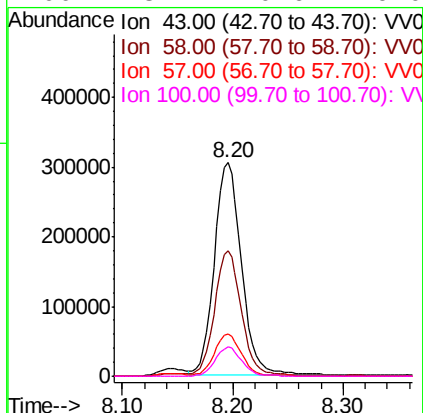
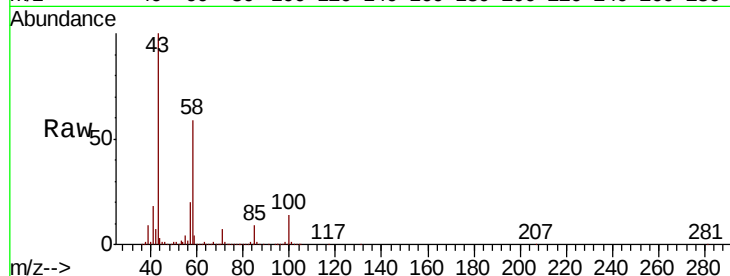




#48
2-Hexanone
Concen: 110.600 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

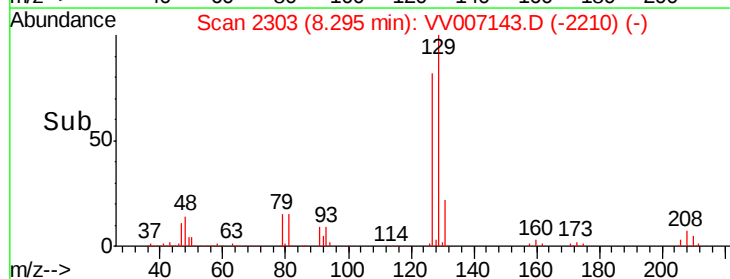
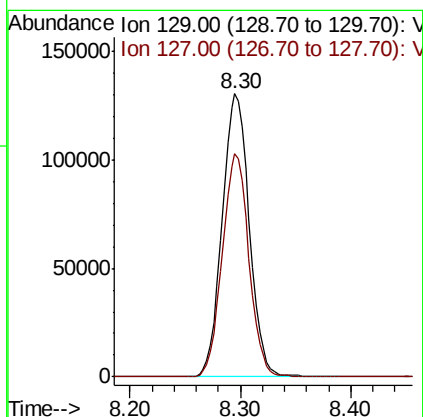
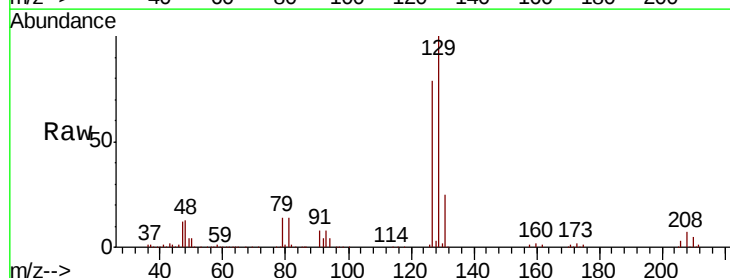
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

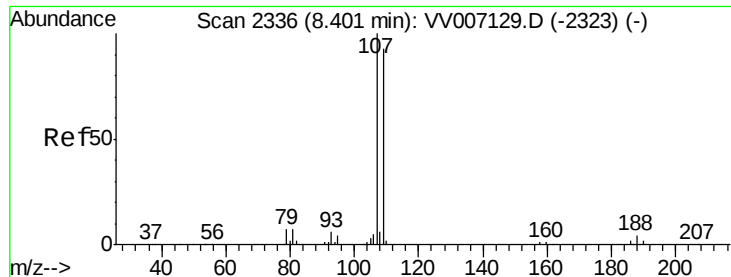
Tgt Ion:	43	Resp:	519654
Ion	Ratio	Lower	Upper
43	100		
58	56.9	47.9	71.9
57	19.0	15.8	23.8
100	13.4	10.6	16.0



#49
Dibromochloromethane
Concen: 49.872 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

Tgt Ion:	129	Resp:	222718
Ion	Ratio	Lower	Upper
129	100		
127	78.8	54.3	100.8

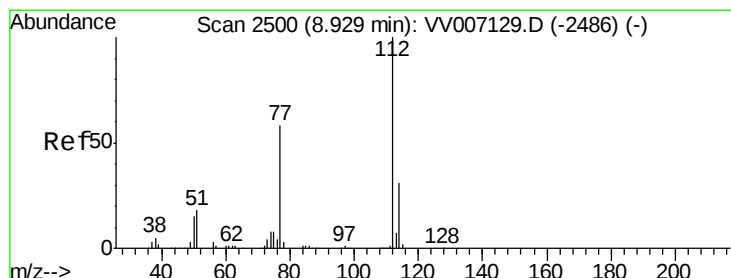
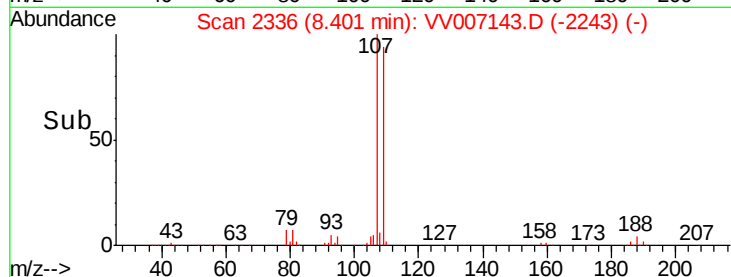
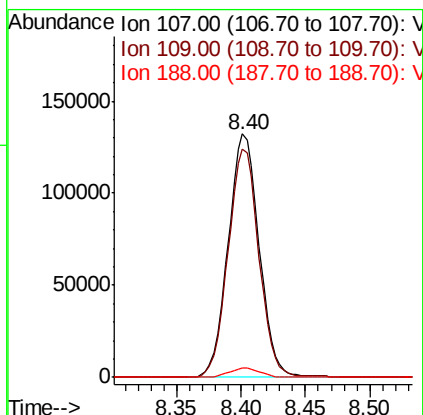
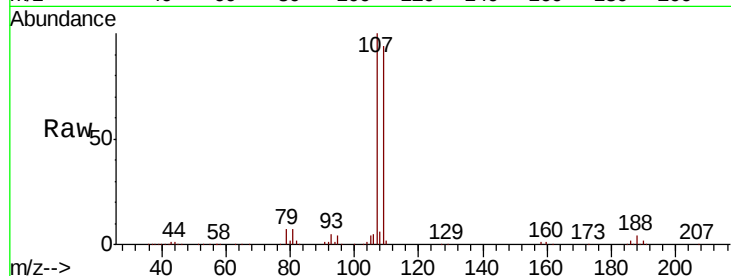




#50
1,2-Dibromoethane
Concen: 50.020 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

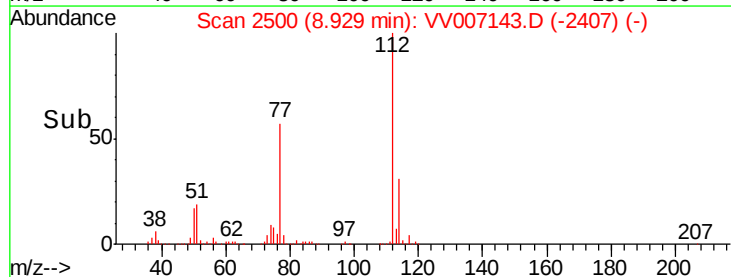
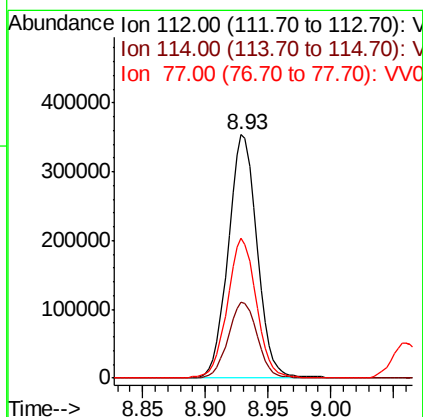
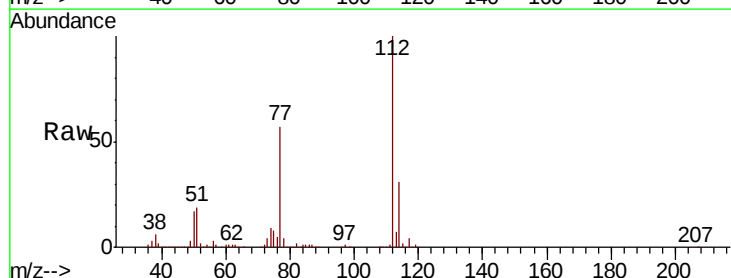
Instrument :
MSVOA_V
ClientSampleId :
VSTD05062

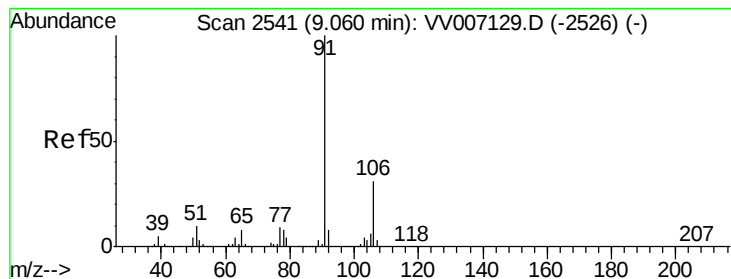
Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.8	66.5	123.5
188	3.7	3.3	4.9



#51
Chlorobenzene
Concen: 49.432 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007143.D
Acq: 23 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
112	100		
114	31.0	22.3	41.3
77	57.4	46.6	70.0





#52

Ethylbenzene

Concen: 50.499 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

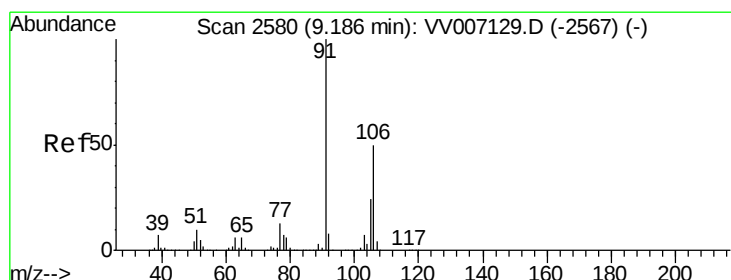
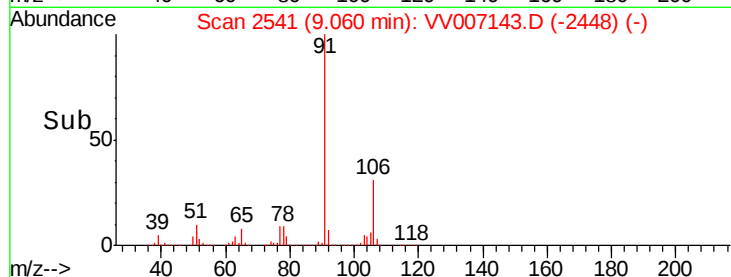
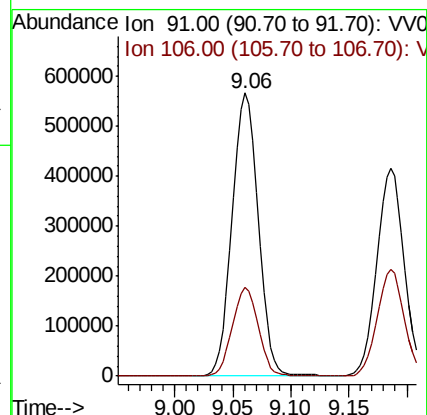
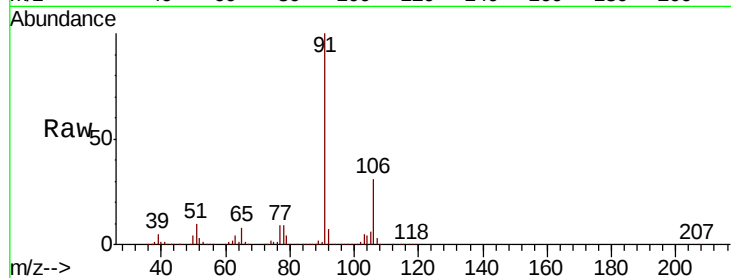
VSTD05062

Tgt Ion: 91 Resp: 883560

Ion Ratio Lower Upper

91 100

106 31.3 21.4 39.8



#53

m,p-Xylene

Concen: 51.775 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007143.D

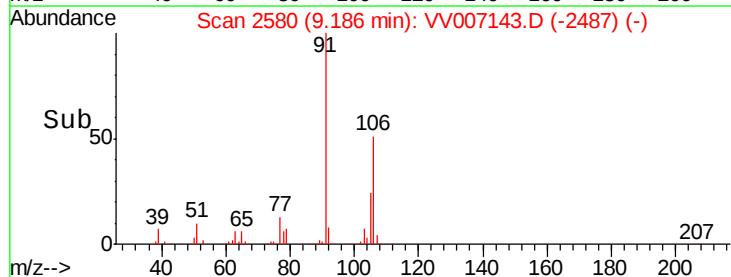
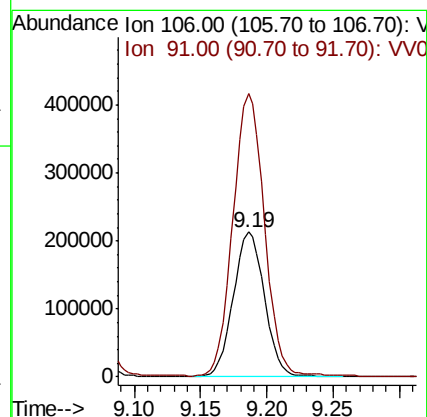
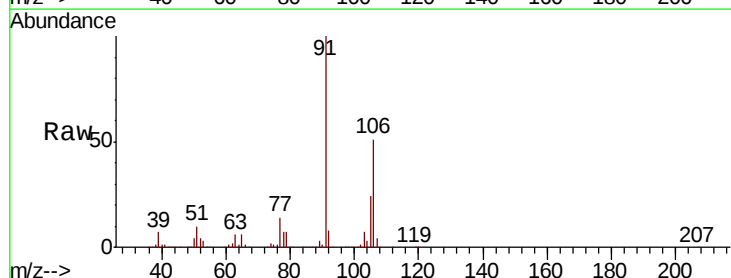
Acq: 23 Aug 2018 16:30

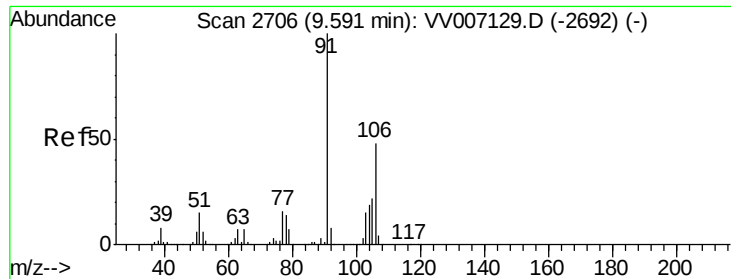
Tgt Ion: 106 Resp: 346160

Ion Ratio Lower Upper

106 100

91 195.1 138.7 257.5





#54

o-xylene

Concen: 50.938 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

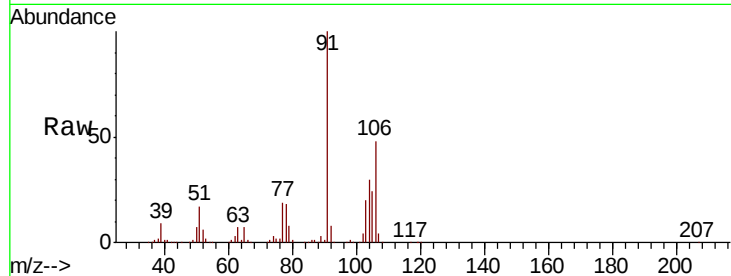
VSTD05062

Tgt Ion:106 Resp: 331337

Ion Ratio Lower Upper

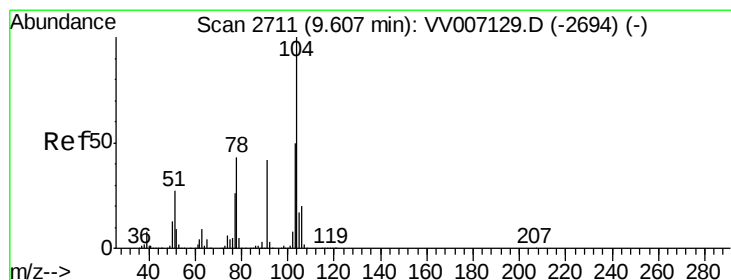
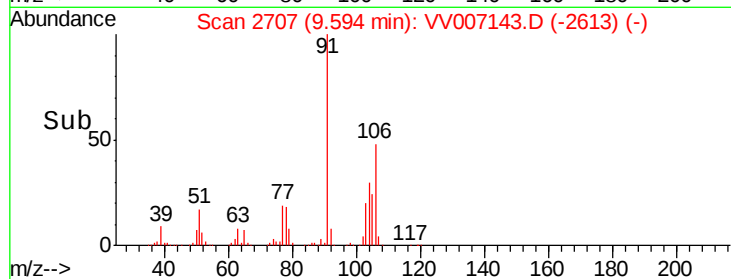
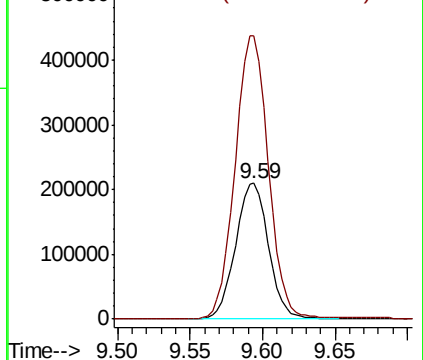
106 100

91 208.5 146.3 271.7



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 53.406 ug/L

RT: 9.61 min Scan# 2712

Delta R.T. 0.00 min

Lab File: VV007143.D

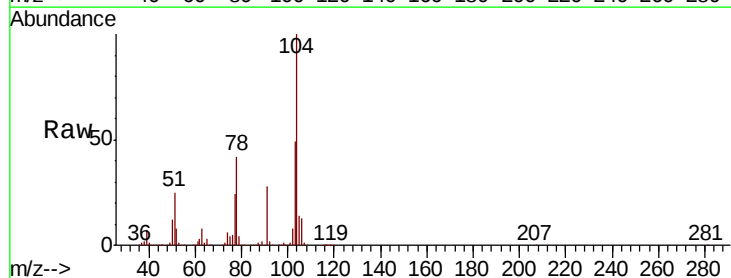
Acq: 23 Aug 2018 16:30

Tgt Ion:104 Resp: 599872

Ion Ratio Lower Upper

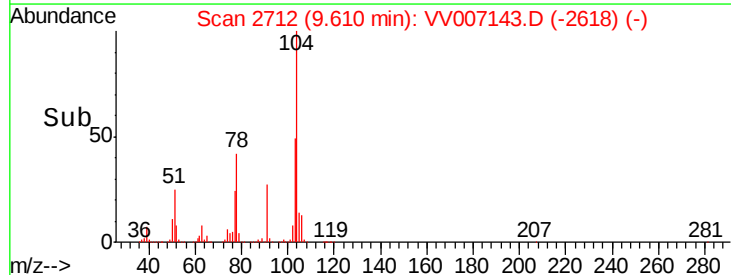
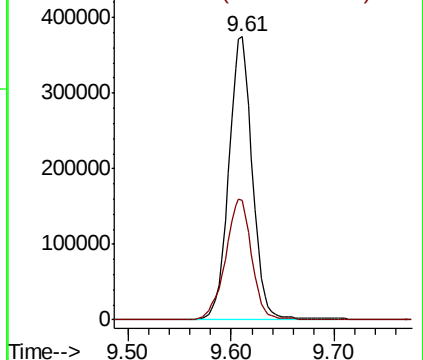
104 100

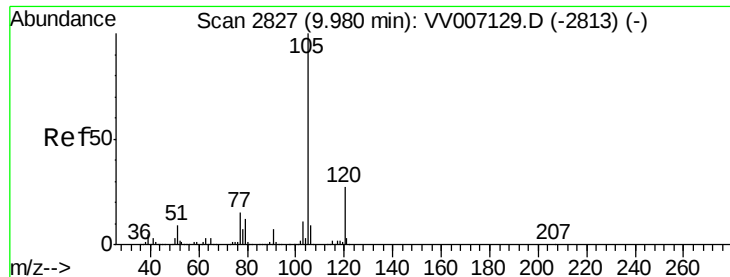
78 42.0 30.0 55.6



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 51.641 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

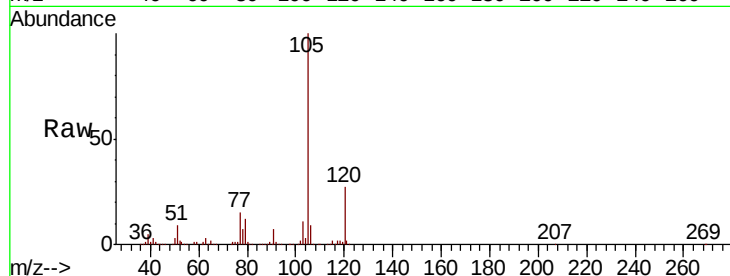
Tgt Ion: 105 Resp: 847040

Ion Ratio Lower Upper

105 100

120 26.6 21.0 31.4

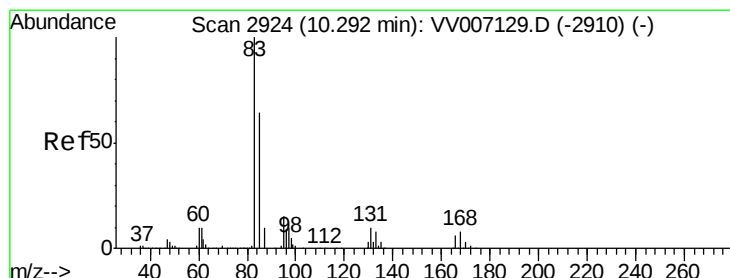
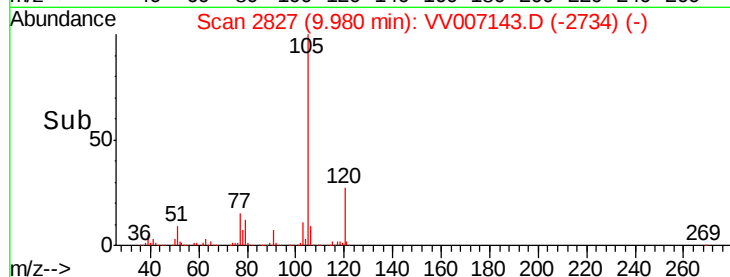
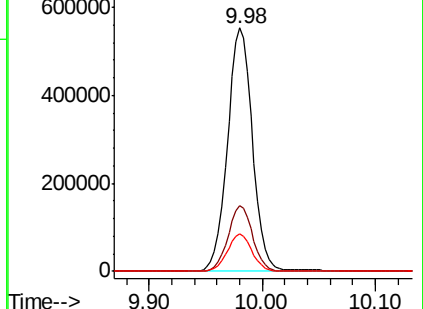
77 15.2 12.4 18.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V

Ion 77.00 (76.70 to 77.70): V



#58

1,1,2,2-Tetrachloroethane

Concen: 50.704 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

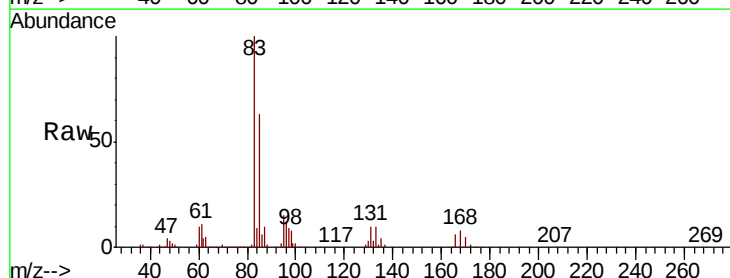
Tgt Ion: 83 Resp: 392516

Ion Ratio Lower Upper

83 100

85 62.9 45.2 84.0

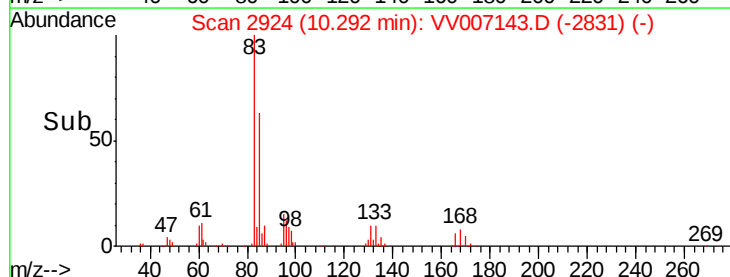
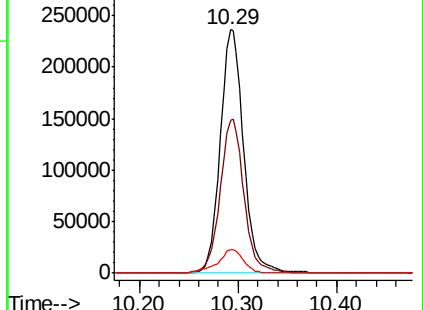
131 9.7 7.8 11.8

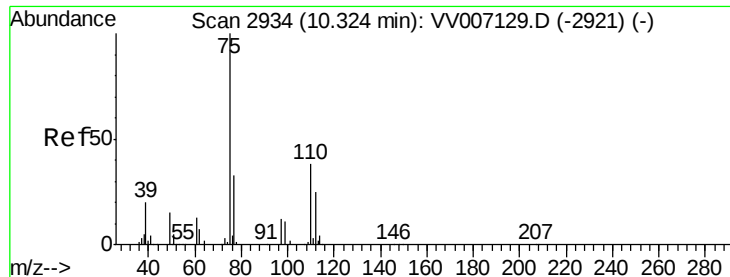


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 50.958 ug/L

RT: 10.33 min Scan# 2935

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

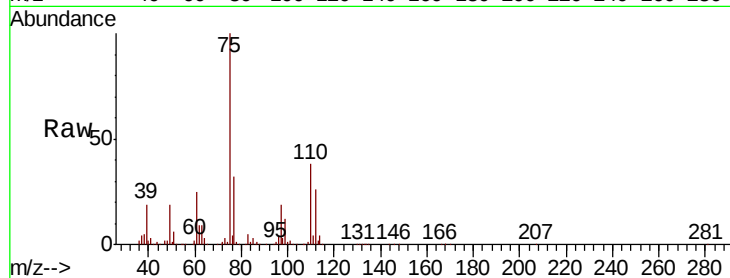
VSTD05062

Tgt Ion: 75 Resp: 314621

Ion Ratio Lower Upper

75 100

77 31.6 25.8 38.8



Abundance Ion 75.00 (74.70 to 75.70): VV007129.D (-2921) (-)

Ion 77.00 (76.70 to 77.70): VV007129.D (-2921) (-)

10.33

200000

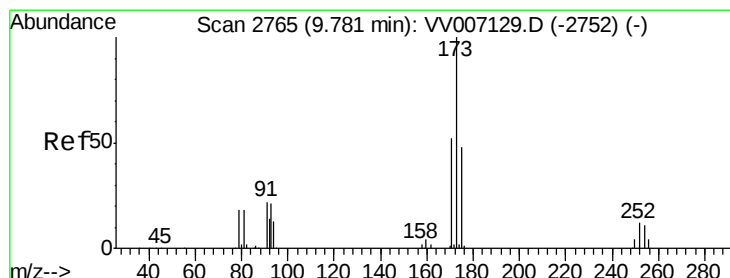
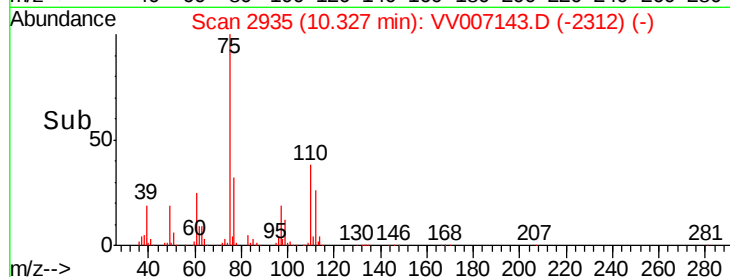
150000

100000

50000

0

Time--> 10.25 10.30 10.35 10.40



#61

Bromoform

Concen: 48.727 ug/L

RT: 9.78 min Scan# 2766

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

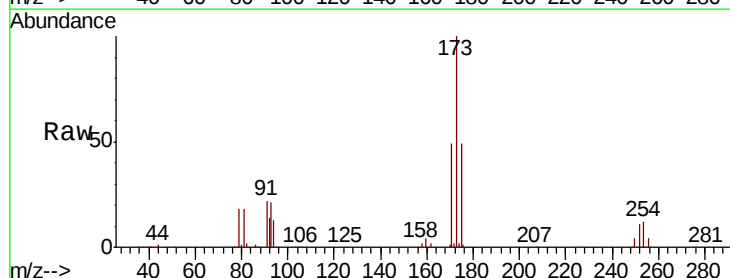
Tgt Ion: 173 Resp: 164811

Ion Ratio Lower Upper

173 100

175 48.9 37.9 56.9

254 11.7 9.2 13.8



Abundance Ion 173.00 (172.70 to 173.70): VV007129.D (-2752) (-)

Ion 175.00 (174.70 to 175.70): VV007129.D (-2752) (-)

Ion 254.00 (253.70 to 254.70): VV007129.D (-2752) (-)

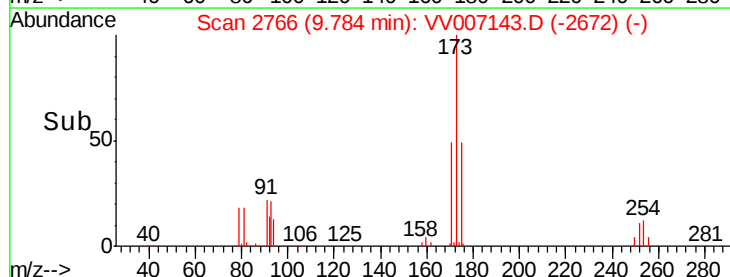
9.78

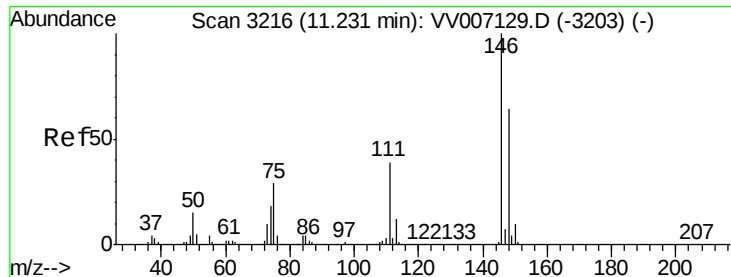
100000

50000

0

Time--> 9.70 9.75 9.80 9.85





#62

1,3-Dichlorobenzene

Concen: 48.625 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

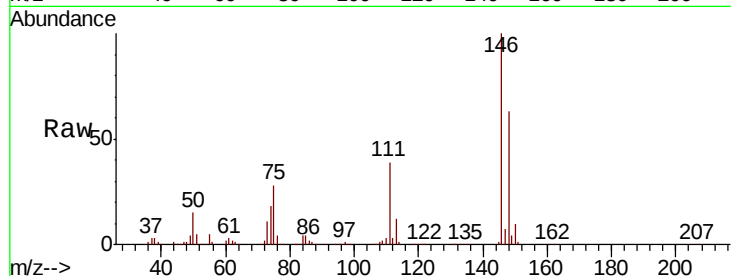
Tgt Ion:146 Resp: 393571

Ion Ratio Lower Upper

146 100

111 38.5 27.1 50.3

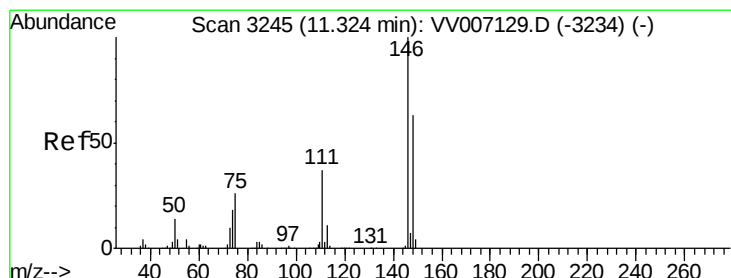
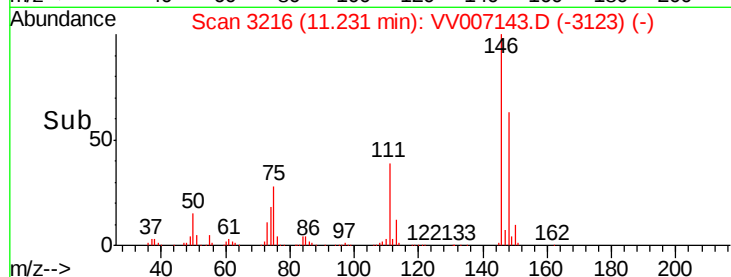
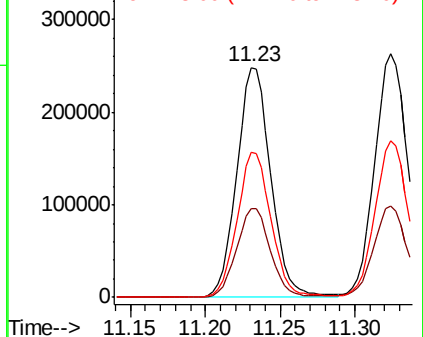
148 62.8 44.5 82.7



Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V



#63

1,4-Dichlorobenzene

Concen: 48.636 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

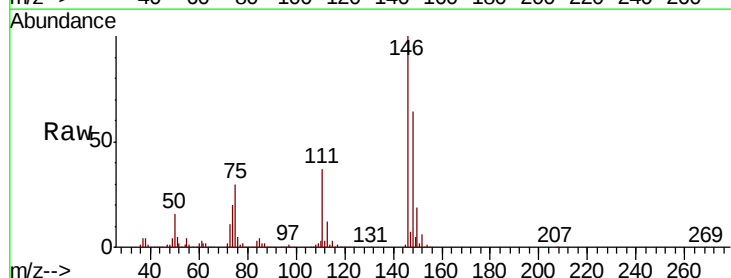
Tgt Ion:146 Resp: 416808

Ion Ratio Lower Upper

146 100

111 37.4 26.2 48.6

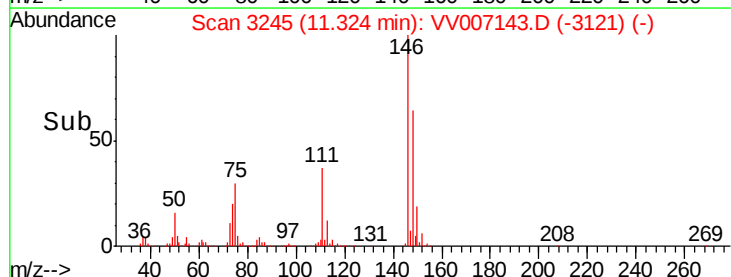
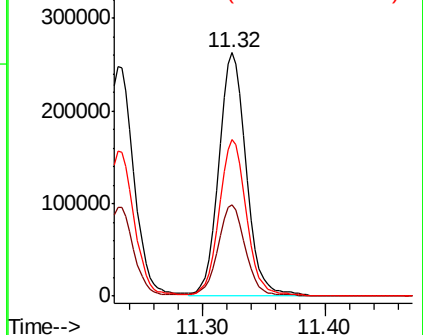
148 64.3 44.7 82.9

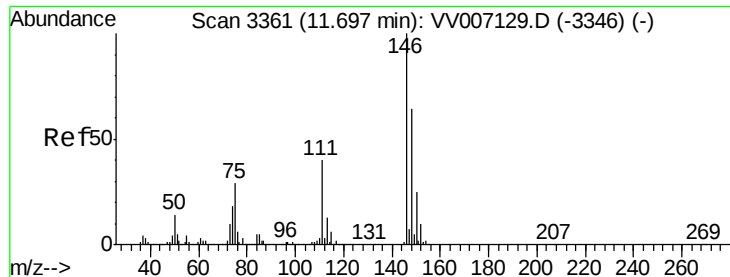


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 51.037 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

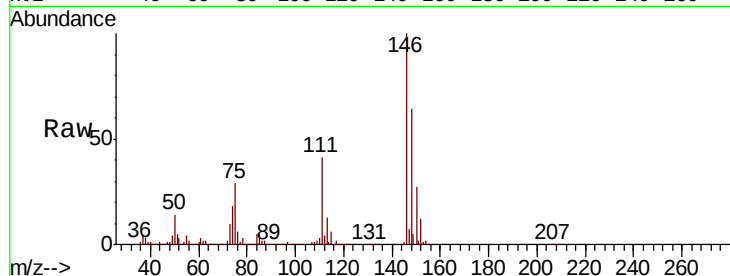
Tgt Ion:146 Resp: 454041

Ion Ratio Lower Upper

146 100

111 40.7 32.5 48.7

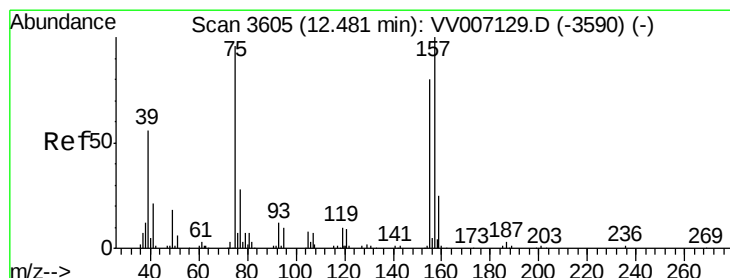
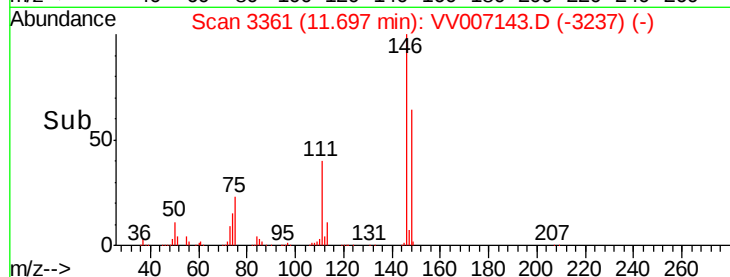
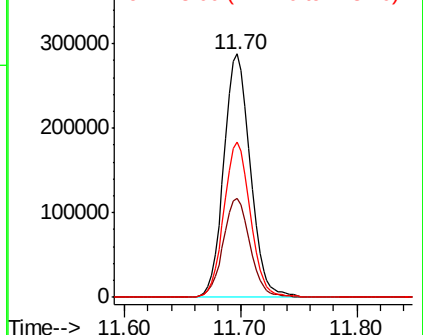
148 64.0 50.8 76.2



Abundance Ion 146.00 (145.70 to 146.70): 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: 50.578 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

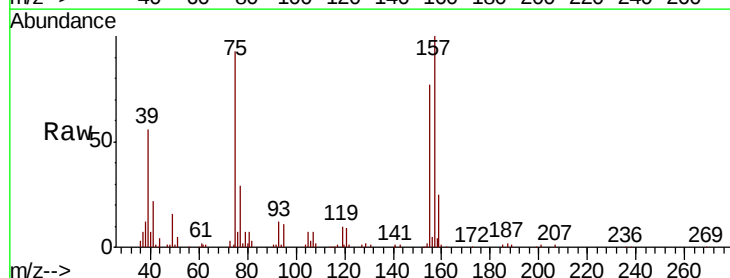
Tgt Ion: 75 Resp: 63861

Ion Ratio Lower Upper

75 100

155 82.6 66.8 100.2

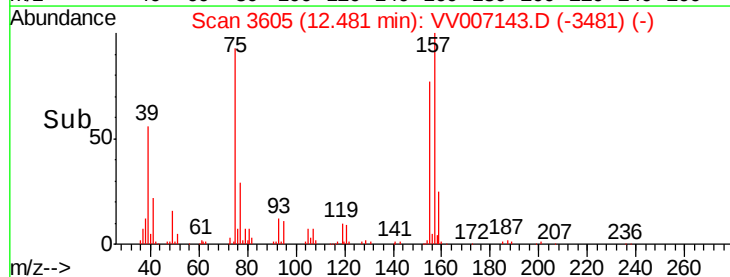
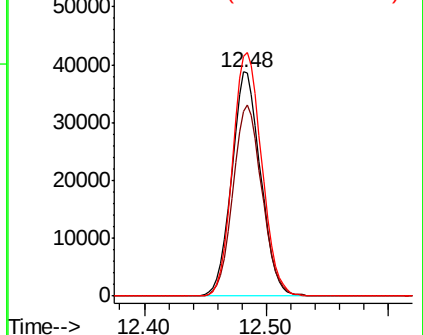
157 107.3 85.8 128.8

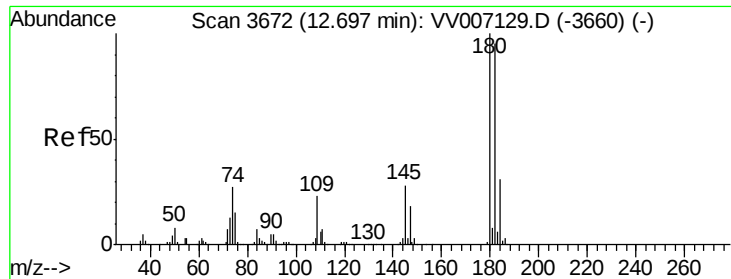


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

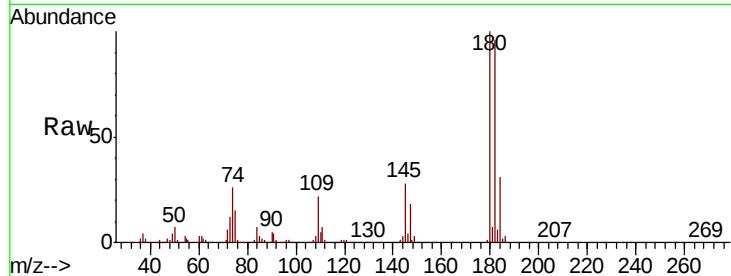




#67
 1,3,5-Trichlorobenzene
 Concen: 51.456 ug/L
 RT: 12.70 min Scan# 3673
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05062

Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.5	76.4	114.6
184	30.6	24.6	37.0
145	27.9	22.6	33.8



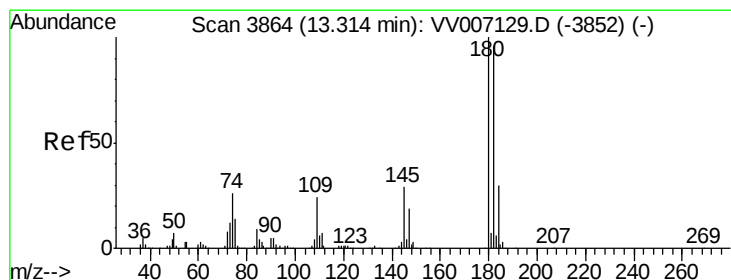
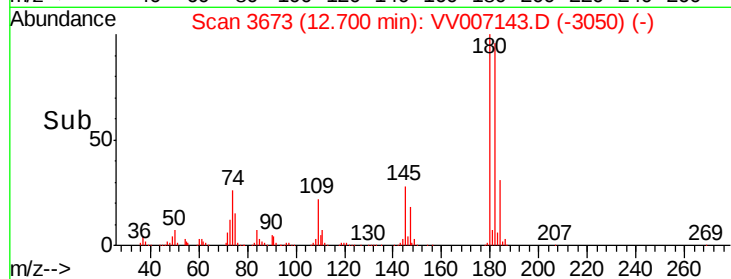
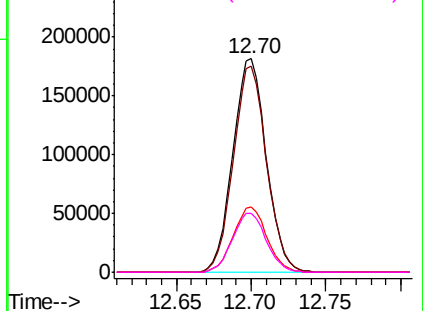
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

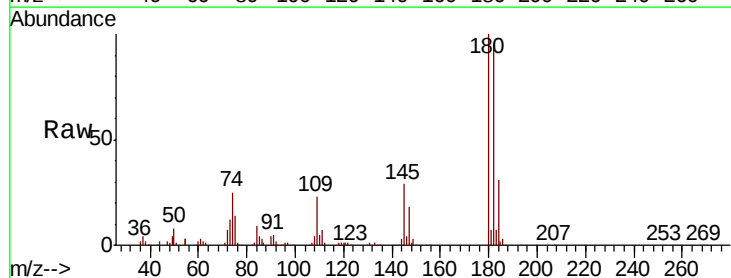
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 50.879 ug/L
 RT: 13.32 min Scan# 3865
 Delta R.T. 0.00 min
 Lab File: VV007143.D
 Acq: 23 Aug 2018 16:30

Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.8	77.0	115.6
145	28.7	22.7	34.1

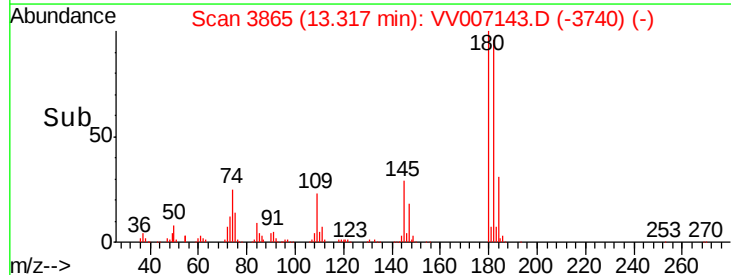
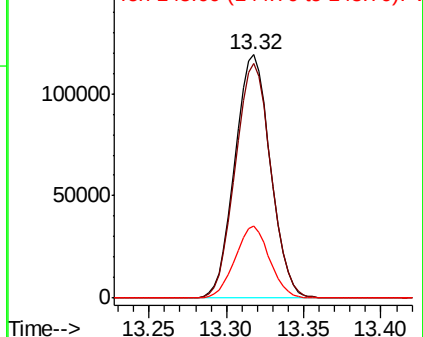


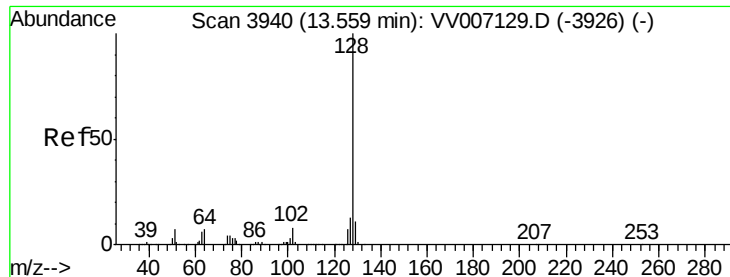
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V





#69

Naphthalene

Concen: 48.818 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

Instrument :

MSVOA_V

ClientSampleId :

VSTD05062

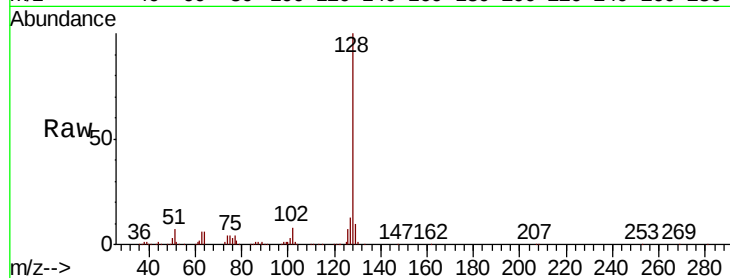
Tgt Ion:128 Resp: 497565

Ion Ratio Lower Upper

128 100

127 13.2 10.5 15.7

129 10.4 8.7 13.1

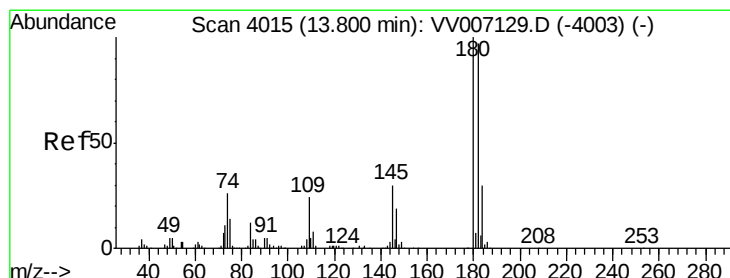
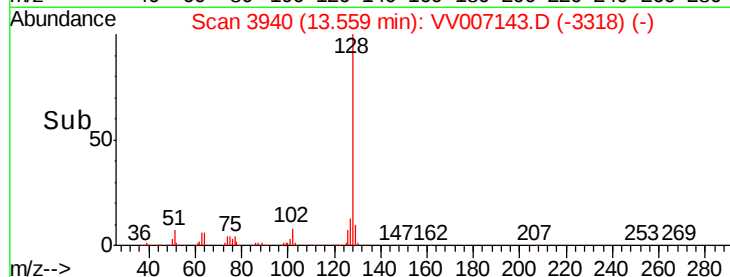
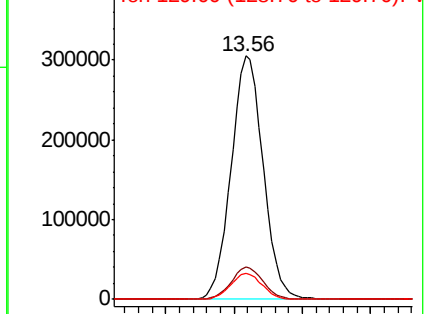


Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#70

1,2,3-Trichlorobenzene

Concen: 53.669 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007143.D

Acq: 23 Aug 2018 16:30

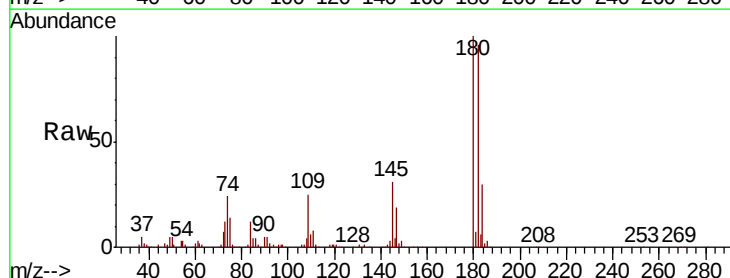
Tgt Ion:180 Resp: 219566

Ion Ratio Lower Upper

180 100

182 95.2 76.2 114.2

145 31.2 24.2 36.4



Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

Ion 145.00 (144.70 to 145.70): V

