

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007313.D
 Acq On : 31 Aug 2018 20:21
 Operator : SY/MD
 Sample : VSTDCCC050
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Quant Time: Sep 01 00:04:12 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	599645	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	579726	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	283830	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	174317	48.10	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	96.20%
7) Chloroethane-d5	1.58	69	108363	47.49	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	94.98%
11) 1,1-Dichloroethene-d2	2.13	63	334498	49.72	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	99.44%
21) 2-Butanone-d5	3.96	46	289889	98.92	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	98.92%
24) Chloroform-d	4.41	84	387373	49.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	99.10%
26) 1,2-Dichloroethane-d4	5.09	65	230663	49.11	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	98.22%
32) Benzene-d6	5.10	84	782246	50.21	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	100.42%
36) 1,2-Dichloropropane-d6	6.12	67	249098	48.22	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	96.44%
41) Toluene-d8	7.36	98	719379	51.64	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	103.28%
43) trans-1,3-Dichloropropene-	7.67	79	108994	47.31	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	94.62%
47) 2-Hexanone-d5	8.14	63	199143	103.47	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	103.47%
57) 1,1,2,2-Tetrachloroethane-	10.27	84	350259	49.78	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	99.56%
64) 1,2-Dichlorobenzene-d4	11.68	152	277112	48.60	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	97.20%

Target Compounds

Target Compounds	R.T.	Qvalue	Response	Conc	Units	Qvalue
2) Dichlorodifluoromethane	1.14	85	234636	49.797	ug/L	# 87
3) Chloromethane	1.26	50	256032	49.493	ug/L	98
5) Vinyl chloride	1.32	62	246482	50.715	ug/L	99
6) Bromomethane	1.53	94	122502	52.191	ug/L	100
8) Chloroethane	1.59	64	109657	49.593	ug/L	99
9) Trichlorofluoromethane	1.76	101	313379	50.755	ug/L	100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	191524	49.542	ug/L	100
12) 1,1-Dichloroethene	2.14	96	181356	50.260	ug/L	88
13) Acetone	2.20	43	174895	69.227	ug/L	98
14) Carbon disulfide	2.32	76	524867	48.365	ug/L	100
15) Methyl Acetate	2.47	43	208931	51.207	ug/L	98
16) Methylene chloride	2.54	84	208161	49.228	ug/L	99
17) trans-1,2-Dichloroethene	2.79	96	195576	49.901	ug/L	98
18) Methyl tert-butyl Ether	2.82	73	607075	50.582	ug/L	99
19) 1,1-Dichloroethane	3.23	63	399930	50.460	ug/L	99
20) cis-1,2-Dichloroethene	3.97	96	227436	50.406	ug/L	96
22) 2-Butanone	4.04	43	322166	91.556	ug/L	99

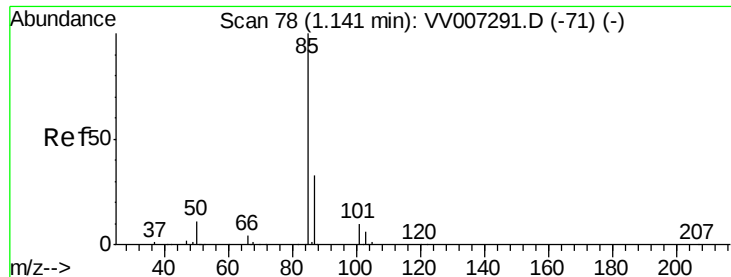
Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
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 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:57:34 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.31	128	116201	49.657	ug/L	99
25) Chloroform	4.44	83	400419	51.341	ug/L	100
27) 1,2-Dichloroethane	5.19	62	296375	51.081	ug/L	100
29) Cyclohexane	4.73	56	325855	52.039	ug/L	99
30) 1,1,1-Trichloroethane	4.66	97	336708	51.030	ug/L	99
31) Carbon tetrachloride	4.88	117	287484	50.479	ug/L	100
33) Benzene	5.15	78	917745	52.264	ug/L	100
34) Trichloroethene	5.96	95	214131	50.331	ug/L	99
35) Methylcyclohexane	6.18	83	345334	51.341	ug/L	100
37) 1,2-Dichloropropane	6.23	63	245465	51.782	ug/L	99
38) Bromodichloromethane	6.56	83	292925	50.409	ug/L	99
39) cis-1,3-Dichloropropene	7.08	75	327666	49.566	ug/L	98
40) 4-Methyl-2-pentanone	7.29	43	586273	108.467	ug/L	98
42) Toluene	7.44	91	923527	53.258	ug/L	98
44) trans-1,3-Dichloropropene	7.70	75	304832	49.645	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	227144	51.467	ug/L	99
46) Tetrachloroethene	8.02	164	180638	50.647	ug/L	98
48) 2-Hexanone	8.20	43	467645	106.868	ug/L	99
49) Dibromochloromethane	8.30	129	232366	50.159	ug/L	100
50) 1,2-Dibromoethane	8.40	107	224148	50.868	ug/L	100
51) Chlorobenzene	8.93	112	589533	50.607	ug/L	99
52) Ethylbenzene	9.06	91	943535	52.611	ug/L	99
53) m,p-Xylene	9.19	106	369121	54.518	ug/L	97
54) o-xylene	9.59	106	353101	53.720	ug/L	100
55) Styrene	9.61	104	651598	56.933	ug/L	100
56) Isopropylbenzene	9.98	105	909826	54.517	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.29	83	369033	51.836	ug/L	98
59) 1,2,3-Trichloropropane	10.32	75	295147	52.465	ug/L	100
61) Bromoform	9.78	173	168192	48.087	ug/L	98
62) 1,3-Dichlorobenzene	11.23	146	410889	49.106	ug/L	99
63) 1,4-Dichlorobenzene	11.32	146	450419	49.660	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	468226	51.241	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	72106	48.640	ug/L	92
67) 1,3,5-Trichlorobenzene	12.70	180	319262	49.328	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	251262	48.606	ug/L	100
69) Naphthalene	13.56	128	736769	51.109	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	292881	52.210	ug/L	99

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



#2

Dichlorodifluoromethane

Concen: 49.797 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

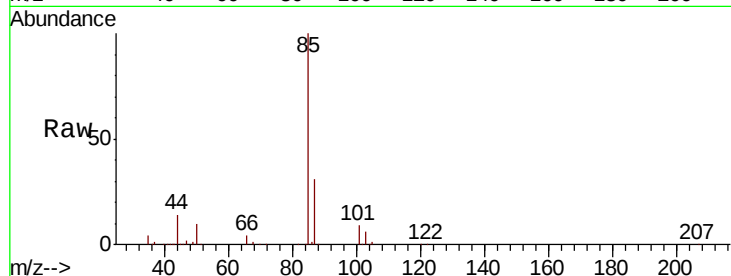
VSTD05078

Tgt Ion: 85 Resp: 234636

Ion Ratio Lower Upper

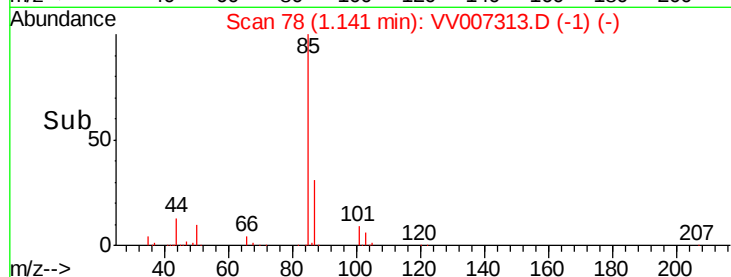
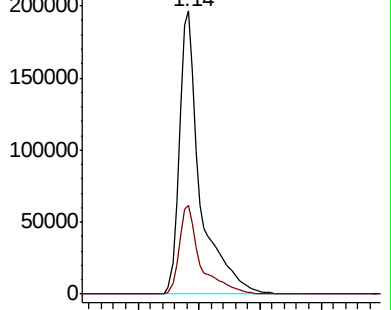
85 100

87 32.1 20.3 30.5#

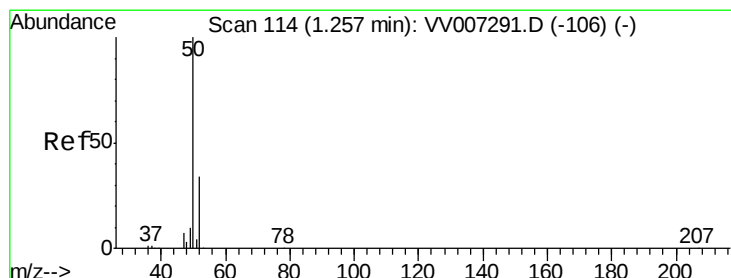


Abundance Ion 85.00 (84.70 to 85.70): VV007313.D (-1) (-)

Ion 87.00 (86.70 to 87.70): VV007313.D (-1) (-)



Time-->



#3

Chloromethane

Concen: 49.493 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007313.D

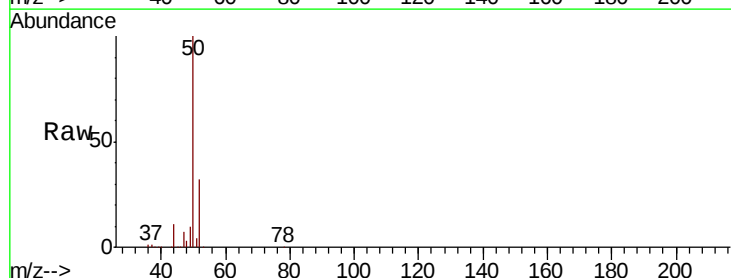
Acq: 31 Aug 2018 20:21

Tgt Ion: 50 Resp: 256032

Ion Ratio Lower Upper

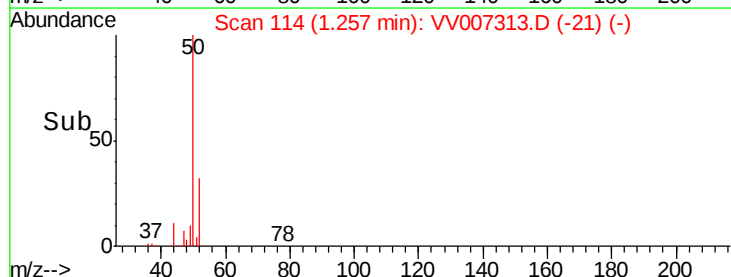
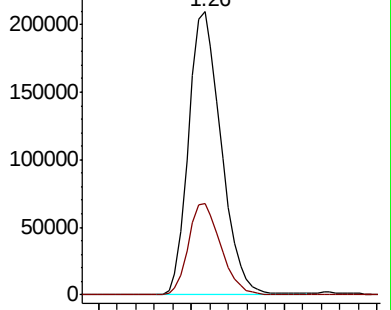
50 100

52 32.4 23.6 43.8

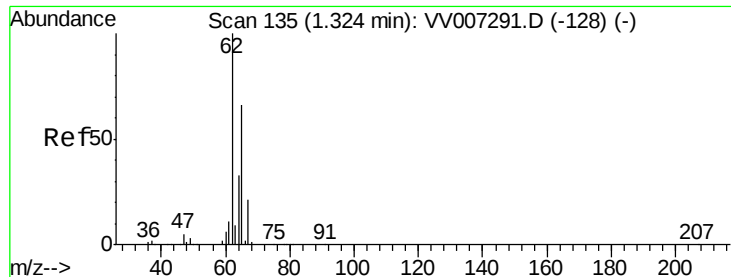


Abundance Ion 50.00 (49.70 to 50.70): VV007313.D (-21) (-)

Ion 52.00 (51.70 to 52.70): VV007313.D (-21) (-)



Time-->



#5

Vinyl chloride

Concen: 50.715 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

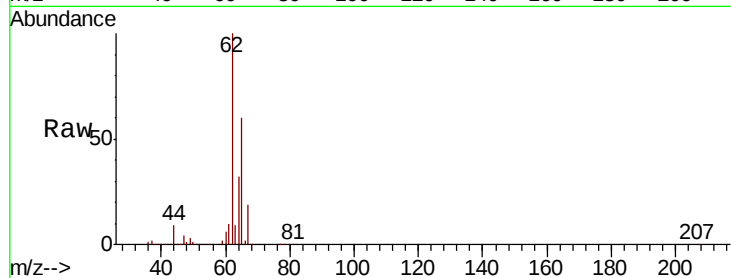
VSTD05078

Tgt Ion: 62 Resp: 246482

Ion Ratio Lower Upper

62 100

64 32.3 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV007313.D (-128) (-)

Ion 64.00 (63.70 to 64.70): VV007313.D (-128) (-)

1.32

200000

150000

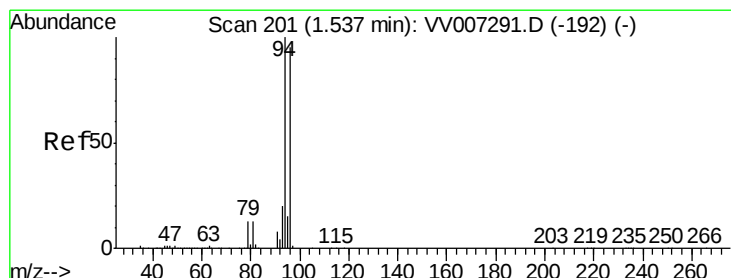
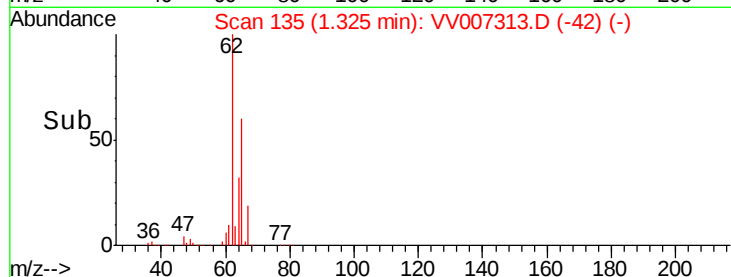
100000

50000

0

Time-->

1.25 1.30 1.35 1.40 1.45



#6

Bromomethane

Concen: 52.191 ug/L

RT: 1.53 min Scan# 200

Delta R.T. -0.00 min

Lab File: VV007313.D

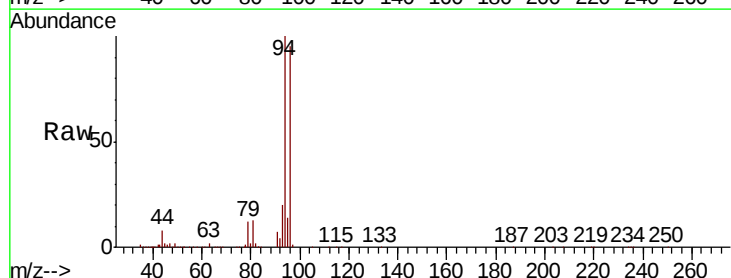
Acq: 31 Aug 2018 20:21

Tgt Ion: 94 Resp: 122502

Ion Ratio Lower Upper

94 100

96 94.6 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV007313.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007313.D (-192) (-)

1.53

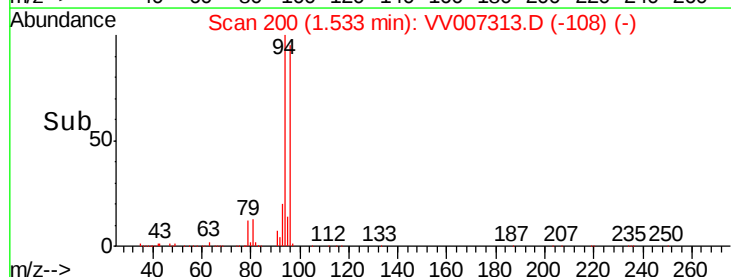
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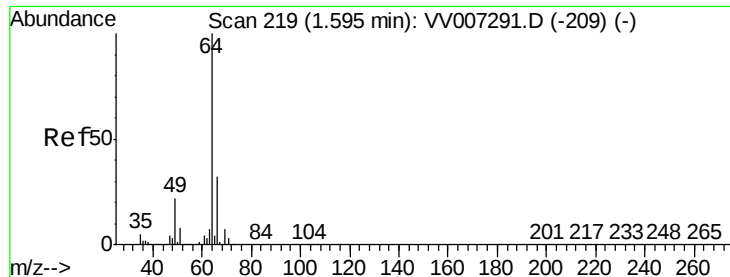
50000

0

Time-->

1.50 1.55 1.60





#8

Chloroethane

Concen: 49.593 ug/L

RT: 1.59 min Scan# 218

Delta R.T. -0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

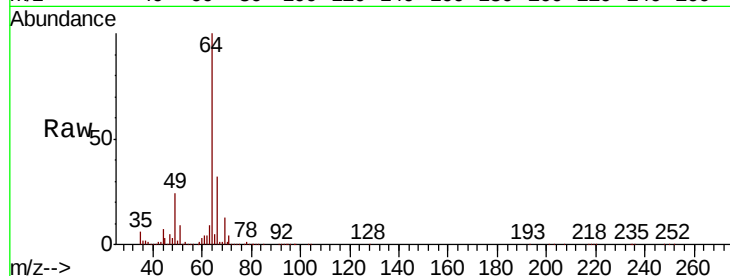
VSTD05078

Tgt Ion: 64 Resp: 109657

Ion Ratio Lower Upper

64 100

66 32.5 22.3 41.3



Abundance Ion 64.00 (63.70 to 64.70): VV007291.D (-209) (-)

Ion 66.00 (65.70 to 66.70): VV007291.D (-209) (-)

1.59

100000

80000

60000

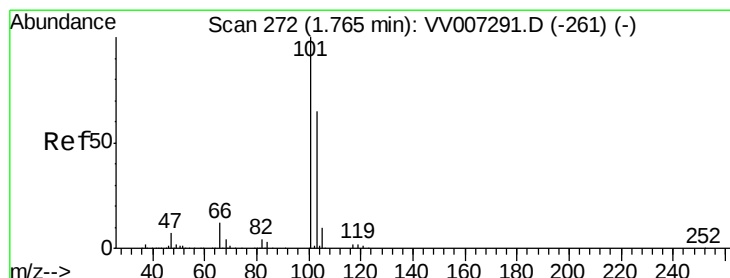
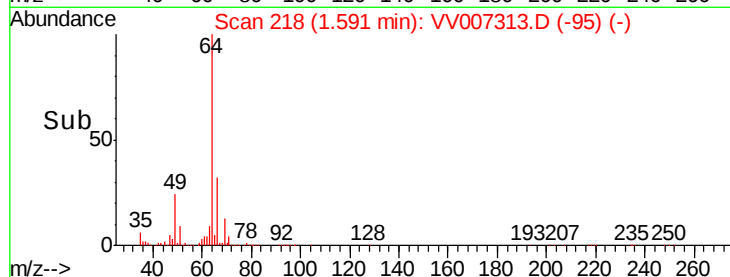
40000

20000

0

1.55 1.60 1.65

Time-->



#9

Trichlorofluoromethane

Concen: 50.755 ug/L

RT: 1.76 min Scan# 272

Delta R.T. 0.00 min

Lab File: VV007313.D

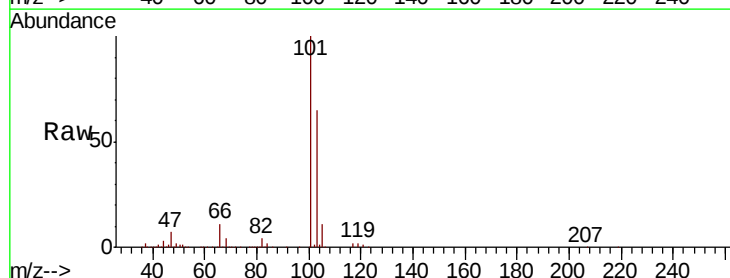
Acq: 31 Aug 2018 20:21

Tgt Ion: 101 Resp: 313379

Ion Ratio Lower Upper

101 100

103 65.2 52.3 78.5



Abundance Ion 101.00 (100.70 to 101.70): VV007291.D (-261) (-)

Ion 103.00 (102.70 to 103.70): VV007291.D (-261) (-)

1.76

250000

200000

150000

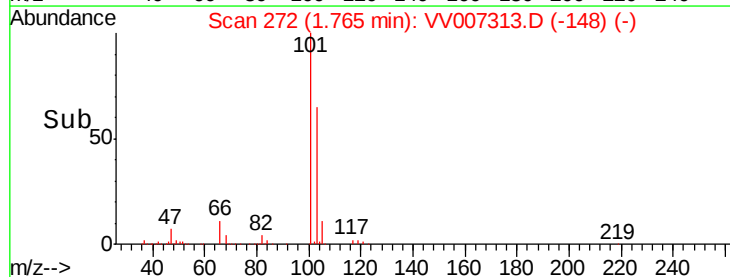
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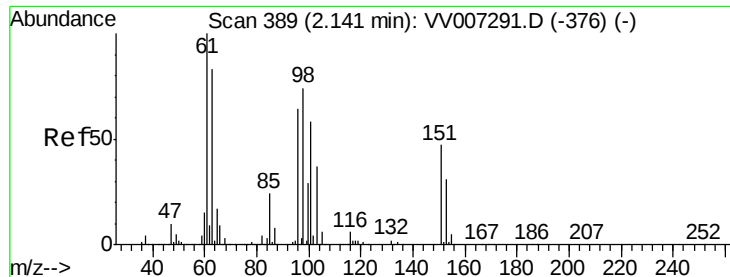
50000

0

1.70 1.75 1.80 1.85

Time-->





#10

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

Concen: 49.542 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

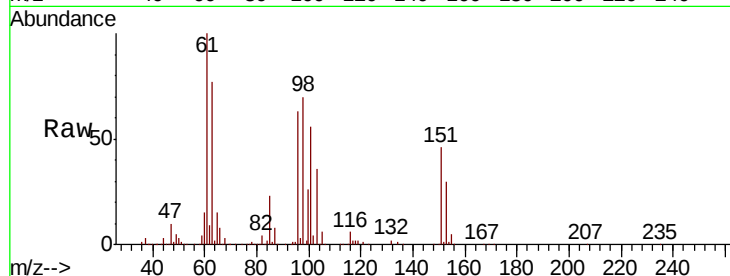
Tgt Ion: 101 Resp: 191524

Ion Ratio Lower Upper

101 100

85 41.2 32.8 49.2

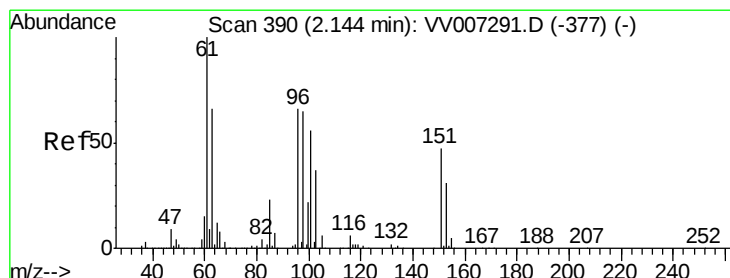
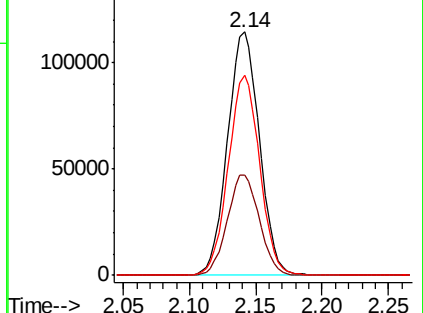
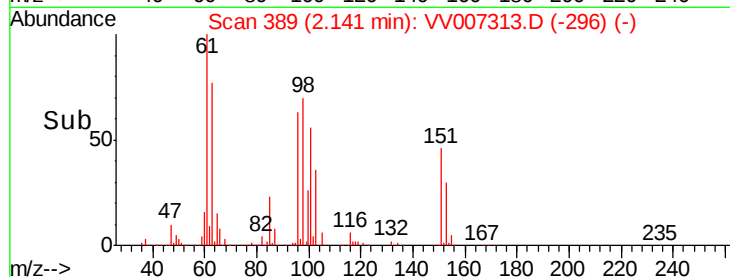
151 81.0 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): VV007313.D (-296) (-)

Ion 85.00 (84.70 to 85.70): VV007313.D (-296) (-)

Ion 151.00 (150.70 to 151.70): VV007313.D (-296) (-)



#12

1,1-Dichloroethene

Concen: 50.260 ug/L

RT: 2.14 min Scan# 389

Delta R.T. -0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

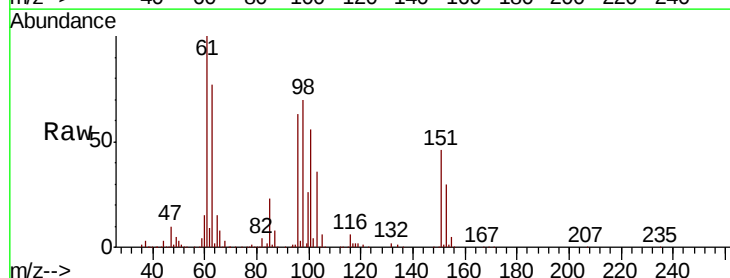
Tgt Ion: 96 Resp: 181356

Ion Ratio Lower Upper

96 100

61 159.9 106.3 197.5

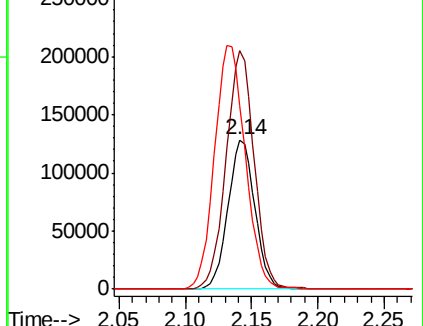
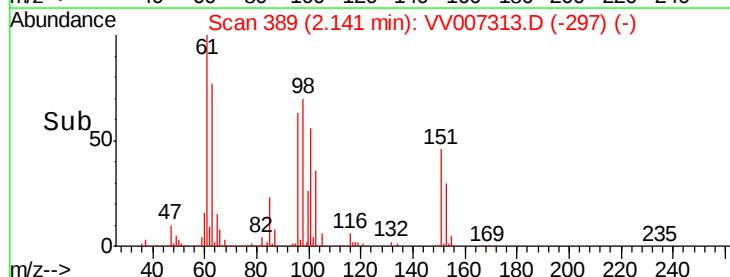
63 123.1 71.0 131.8

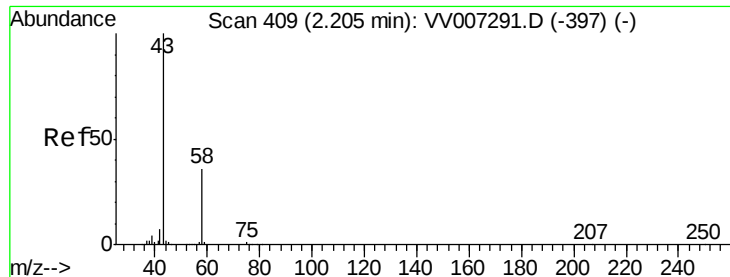


Abundance Ion 96.00 (95.70 to 96.70): VV007313.D (-297) (-)

Ion 61.00 (60.70 to 61.70): VV007313.D (-297) (-)

Ion 63.00 (62.70 to 63.70): VV007313.D (-297) (-)





#13

Acetone

Concen: 69.227 ug/L

RT: 2.20 min Scan# 408

Delta R.T. -0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

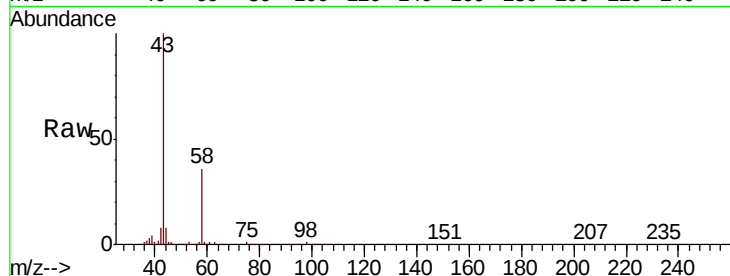
VSTD05078

Tgt Ion: 43 Resp: 174895

Ion Ratio Lower Upper

43 100

58 37.2 0.0 72.2



Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-397) (-)

Ion 58.00 (57.70 to 58.70): VV007291.D (-397) (-)

2.20

100000

80000

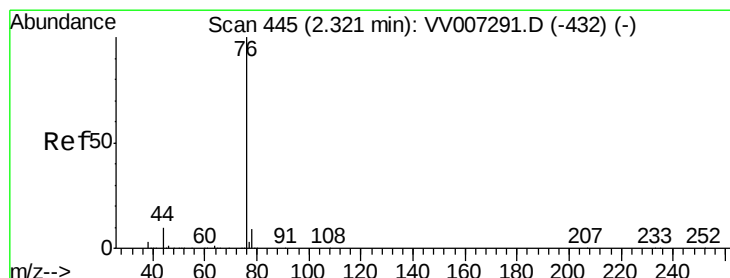
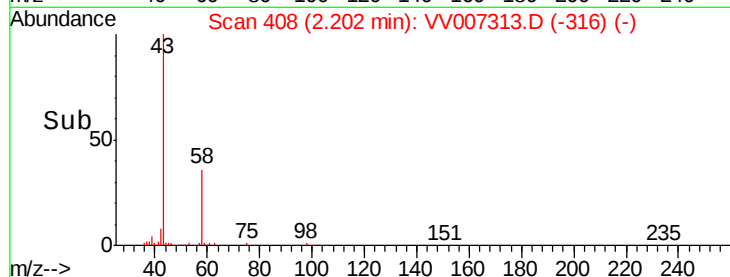
60000

40000

20000

0

Time--> 2.10 2.15 2.20 2.25 2.30



#14

Carbon disulfide

Concen: 48.365 ug/L

RT: 2.32 min Scan# 444

Delta R.T. -0.00 min

Lab File: VV007313.D

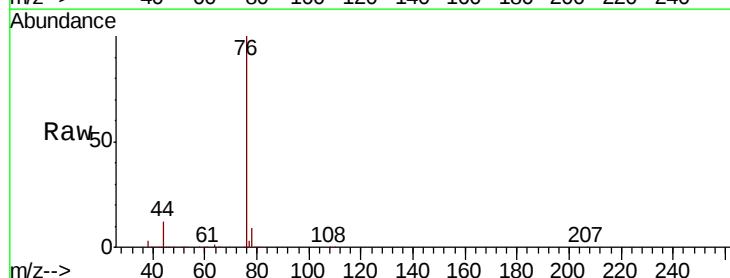
Acq: 31 Aug 2018 20:21

Tgt Ion: 76 Resp: 524867

Ion Ratio Lower Upper

76 100

78 9.1 7.3 10.9



Abundance Ion 76.00 (75.70 to 76.70): VV007291.D (-432) (-)

Ion 78.00 (77.70 to 78.70): VV007291.D (-432) (-)

2.32

400000

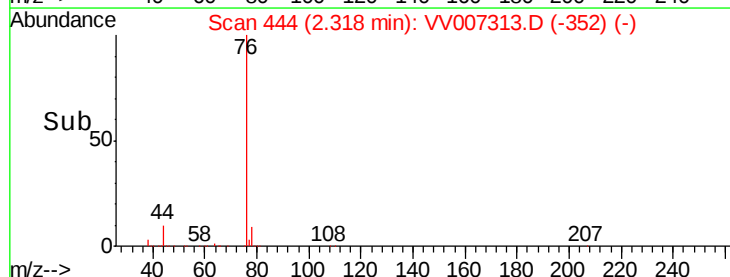
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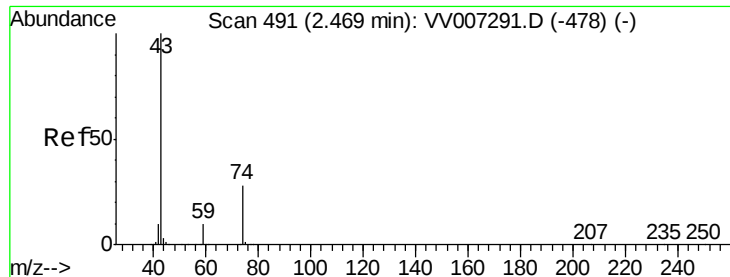
200000

100000

0

Time--> 2.25 2.30 2.35 2.40





#15

Methyl Acetate

Concen: 51.207 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

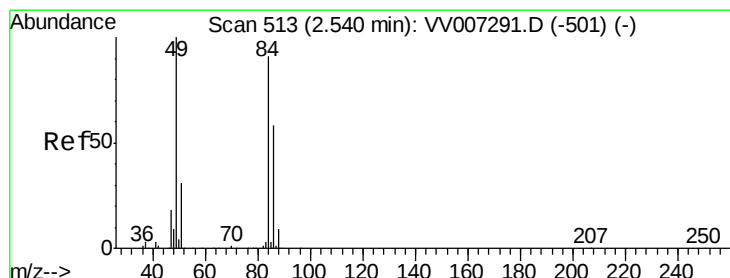
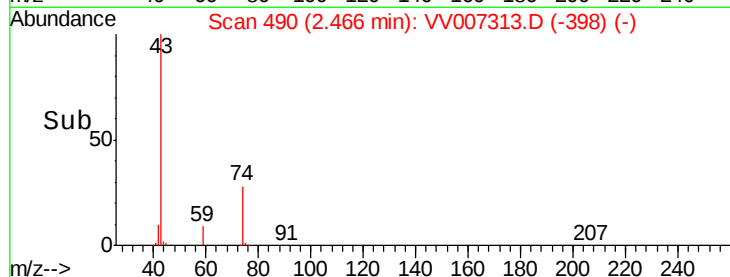
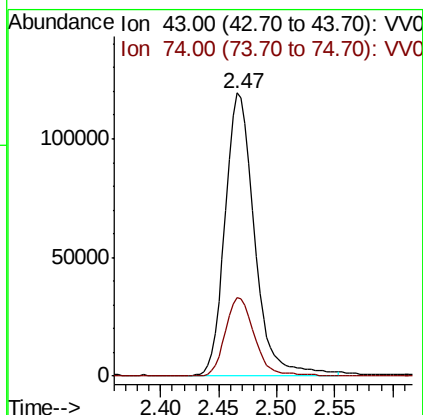
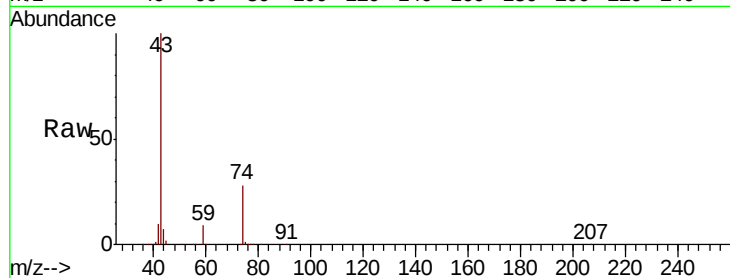
VSTD05078

Tgt Ion: 43 Resp: 208931

Ion Ratio Lower Upper

43 100

74 27.8 21.4 32.2



#16

Methylene chloride

Concen: 49.228 ug/L

RT: 2.54 min Scan# 513

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

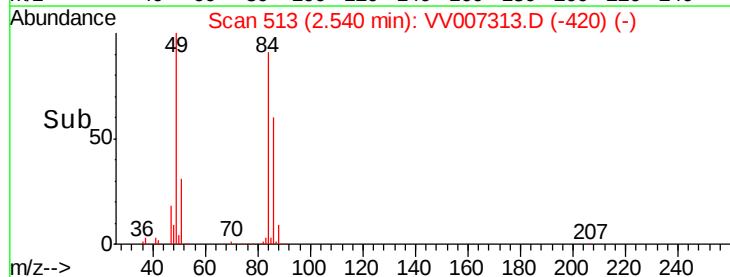
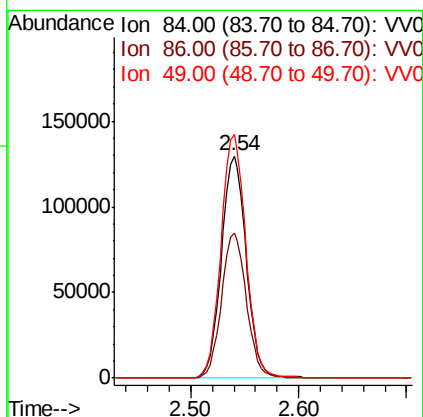
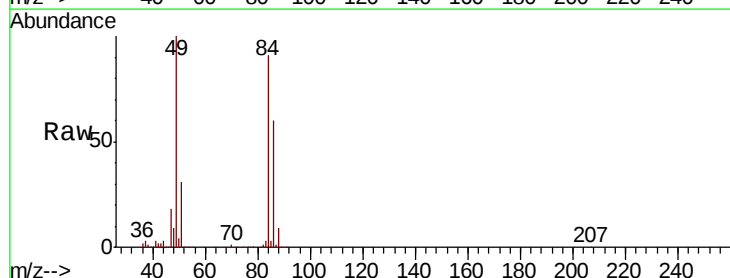
Tgt Ion: 84 Resp: 208161

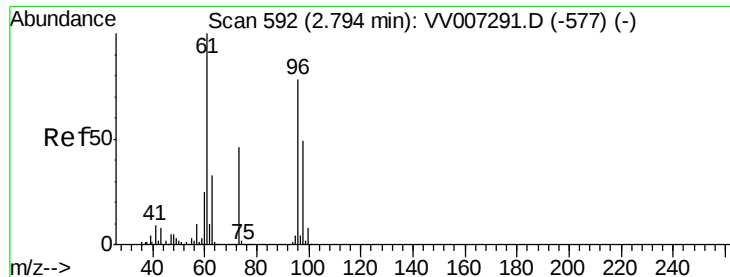
Ion Ratio Lower Upper

84 100

86 65.6 44.9 83.3

49 109.7 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 49.901 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

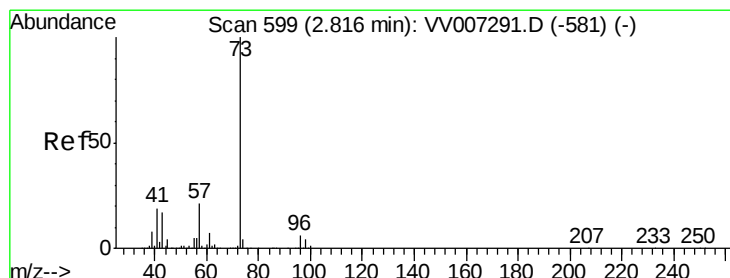
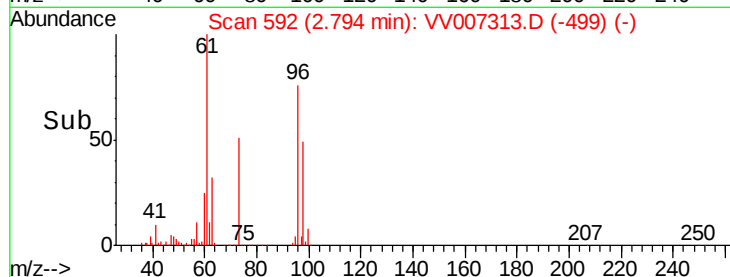
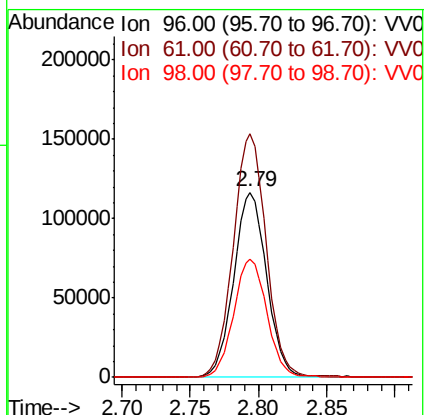
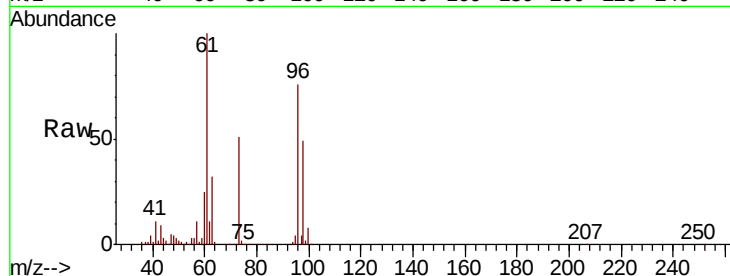
Tgt Ion: 96 Resp: 195576

Ion Ratio Lower Upper

96 100

61 131.6 90.4 167.8

98 63.9 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 50.582 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

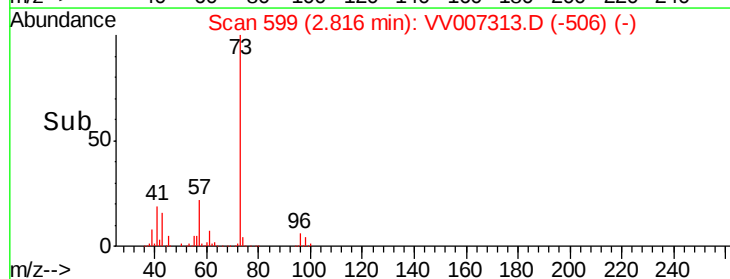
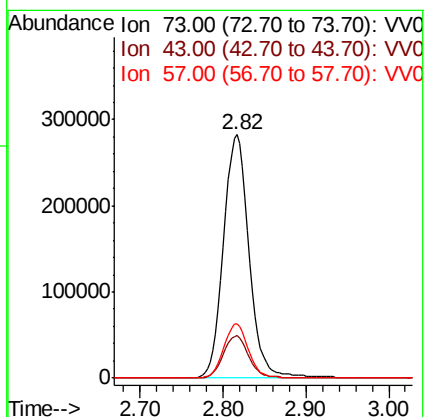
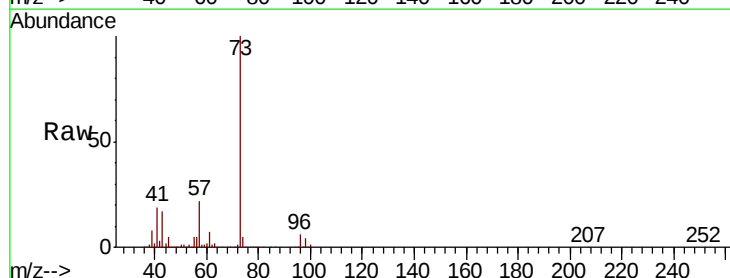
Tgt Ion: 73 Resp: 607075

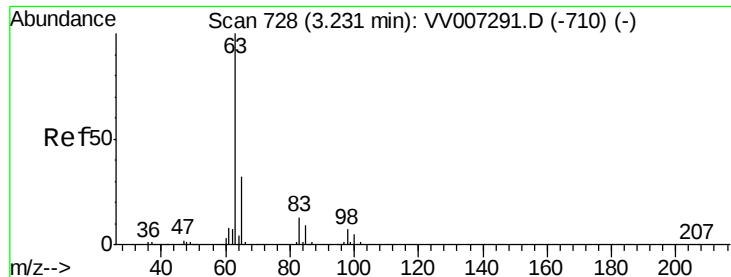
Ion Ratio Lower Upper

73 100

43 17.1 13.4 20.2

57 21.5 16.8 25.2

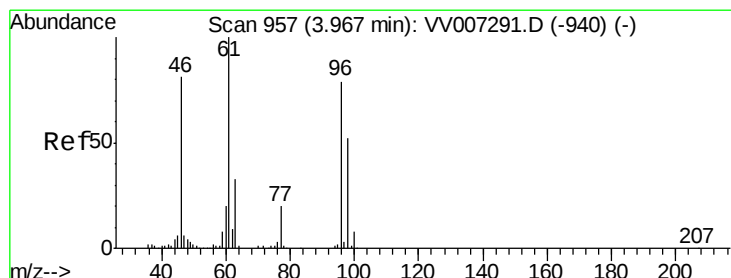
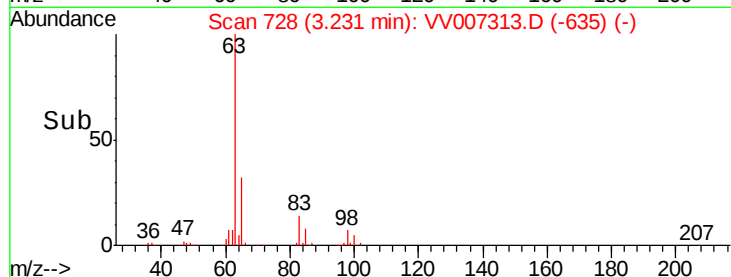
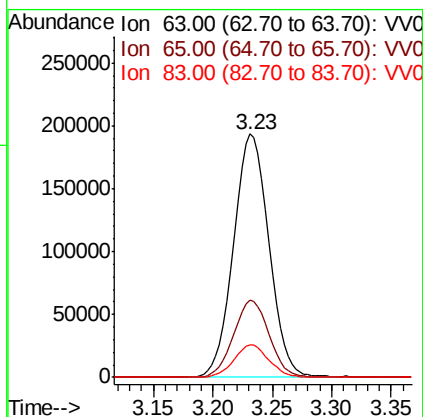
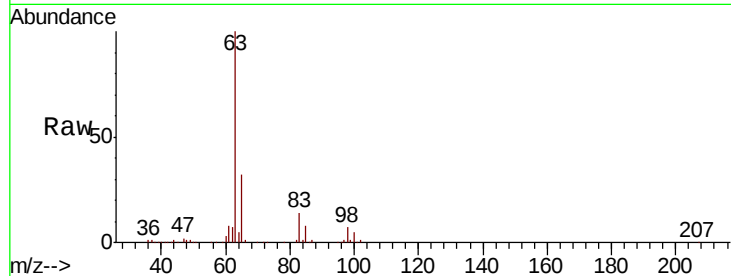




#19
 1,1-Dichloroethane
 Concen: 50.460 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

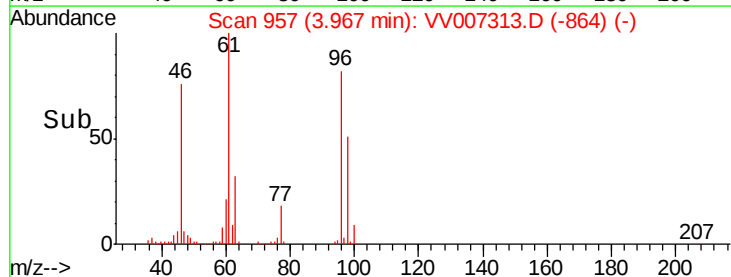
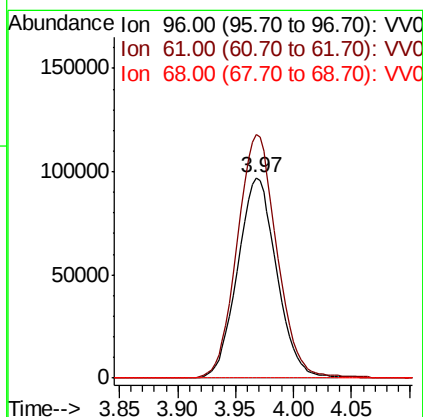
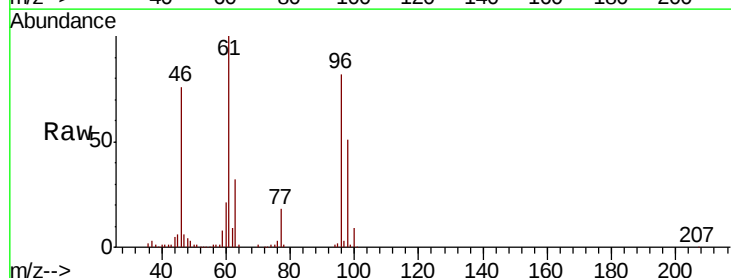
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05078

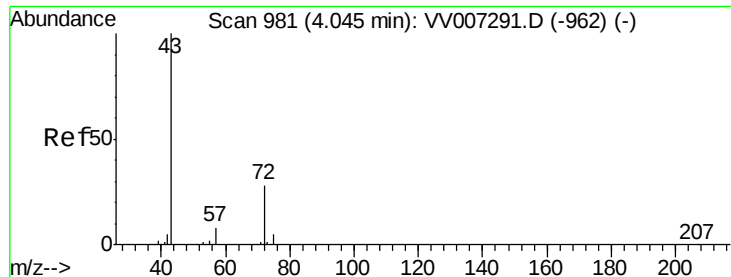
Tgt Ion: 63 Resp: 399930
 Ion Ratio Lower Upper
 63 100
 65 31.7 22.0 41.0
 83 13.5 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 50.406 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Tgt Ion: 96 Resp: 227436
 Ion Ratio Lower Upper
 96 100
 61 121.4 88.4 164.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 91.556 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

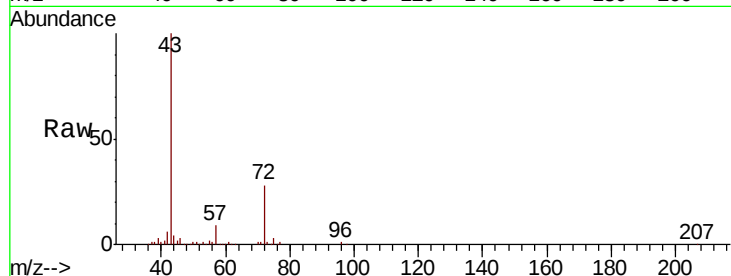
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

Tgt Ion: 43 Resp: 322166

Ion Ratio Lower Upper

43 100

72 27.5 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV007313.D (-888) (-)

Ion 72.00 (71.70 to 72.70): VV007313.D (-888) (-)

4.04

120000

100000

80000

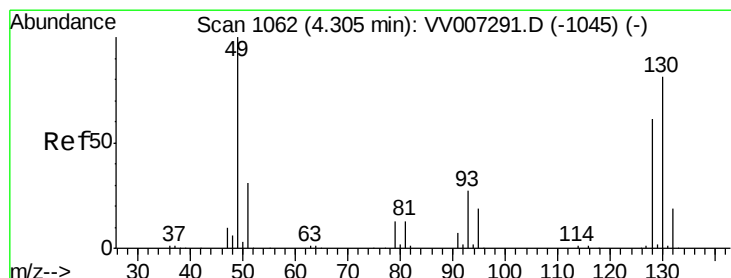
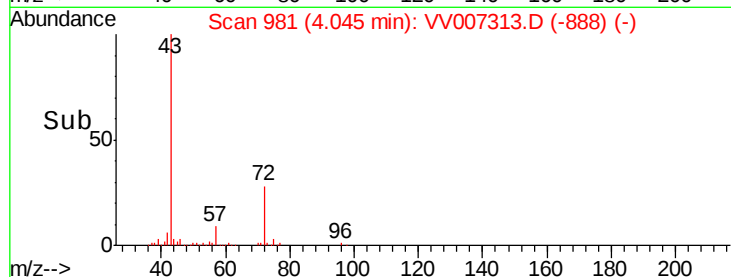
60000

40000

20000

0

Time--> 3.90 4.00 4.10 4.20



#23

Bromochloromethane

Concen: 49.657 ug/L

RT: 4.31 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Tgt Ion: 128 Resp: 116201

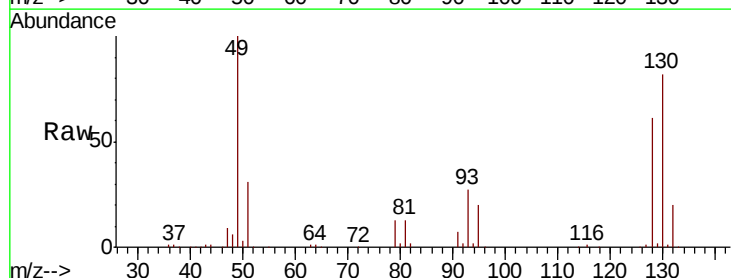
Ion Ratio Lower Upper

128 100

49 162.9 115.6 214.8

130 133.7 93.7 173.9

51 50.8 41.3 61.9



Abundance Ion 128.00 (127.70 to 128.70): VV007313.D (-969) (-)

Ion 49.00 (48.70 to 49.70): VV007313.D (-969) (-)

Ion 130.00 (129.70 to 130.70): VV007313.D (-969) (-)

Ion 51.00 (50.70 to 51.70): VV007313.D (-969) (-)

4.31

120000

100000

80000

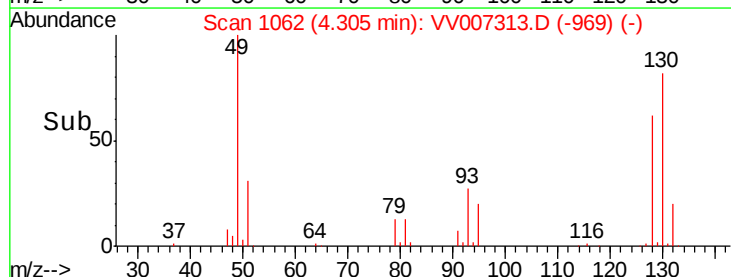
60000

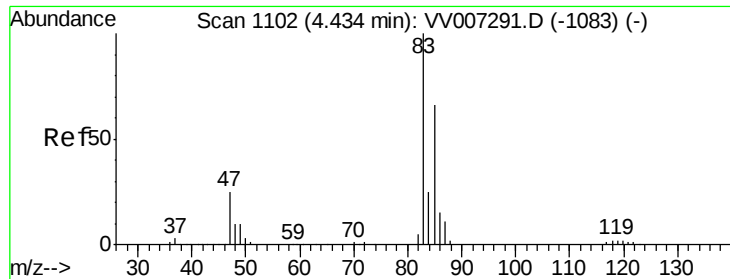
40000

20000

0

Time--> 4.20 4.30 4.40

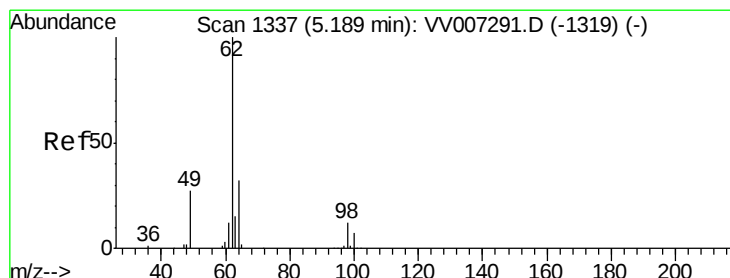
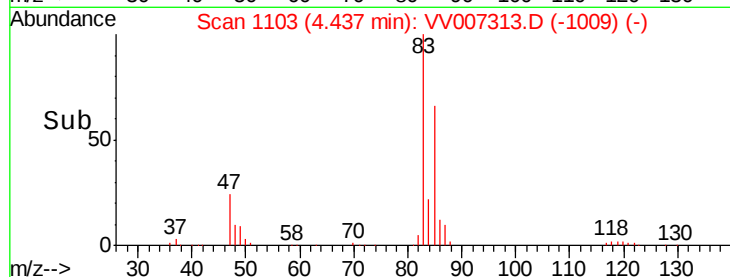
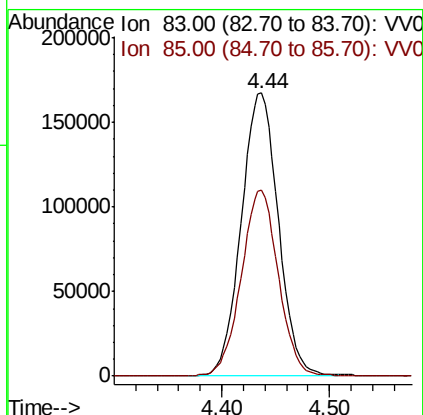
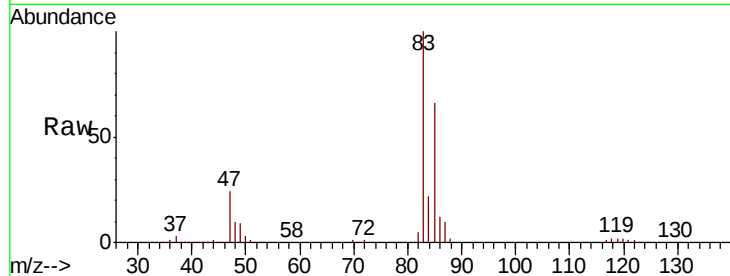




#25
Chloroform
Concen: 51.341 ug/L
RT: 4.44 min Scan# 1103
Delta R.T. 0.00 min
Lab File: VV007313.D
Acq: 31 Aug 2018 20:21

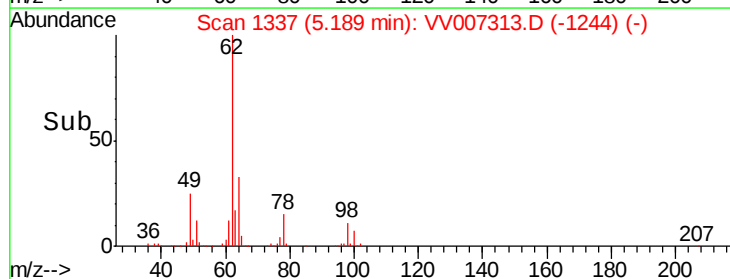
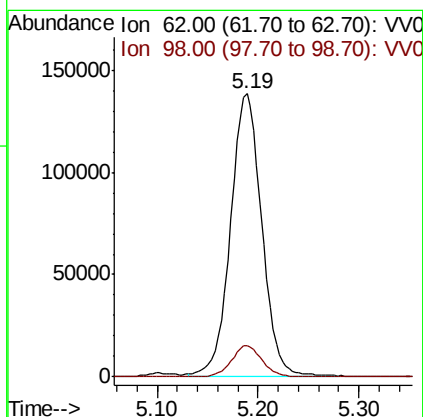
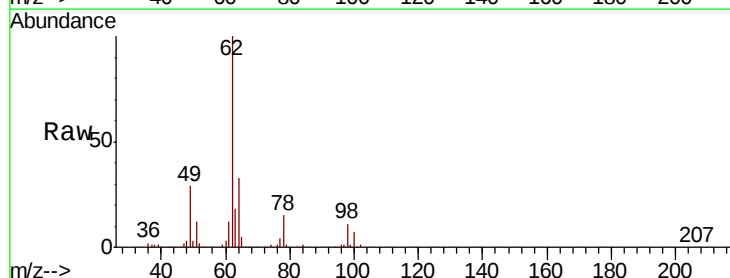
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

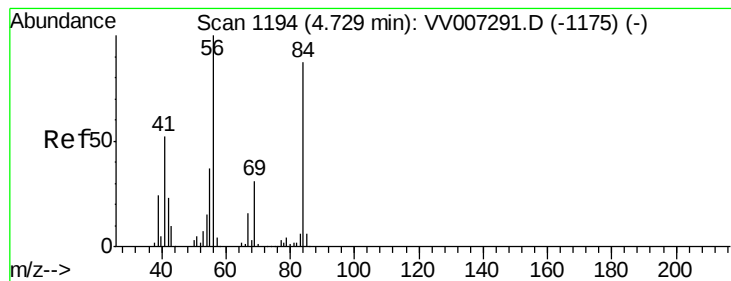
Tgt Ion: 83 Resp: 400419
Ion Ratio Lower Upper
83 100
85 65.7 46.1 85.7



#27
1,2-Dichloroethane
Concen: 51.081 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007313.D
Acq: 31 Aug 2018 20:21

Tgt Ion: 62 Resp: 296375
Ion Ratio Lower Upper
62 100
98 11.3 9.1 13.7





#29

Cyclohexane

Concen: 52.039 ug/L

RT: 4.73 min Scan# 1194

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

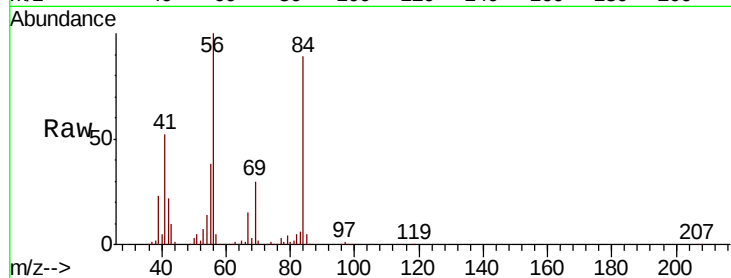
Tgt Ion: 56 Resp: 325855

Ion Ratio Lower Upper

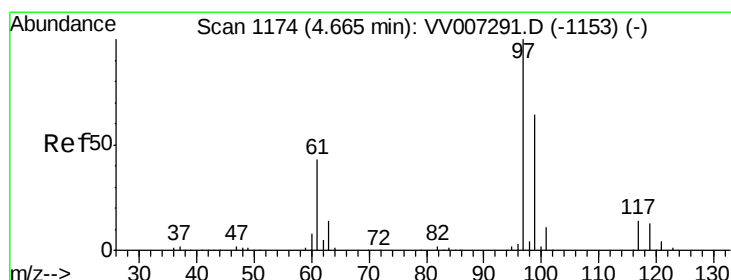
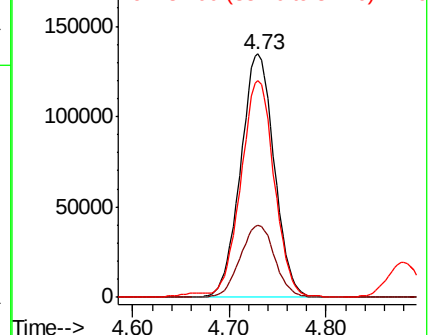
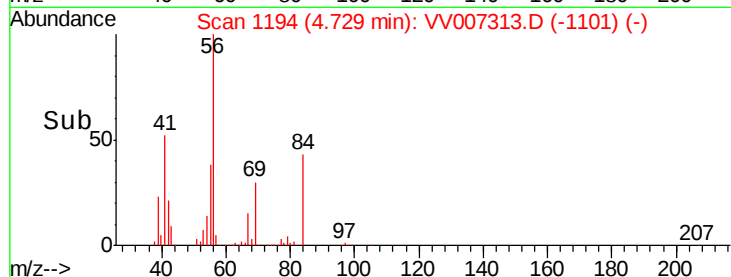
56 100

69 30.3 24.7 37.1

84 88.2 70.8 106.2



Abundance Ion 56.00 (55.70 to 56.70): VV007313.D (-1101) (-)



#30

1,1,1-Trichloroethane

Concen: 51.030 ug/L

RT: 4.66 min Scan# 1173

Delta R.T. -0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

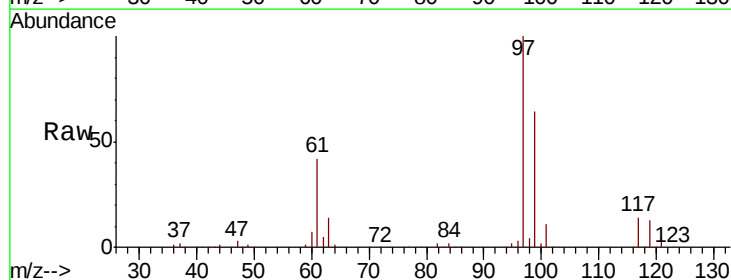
Tgt Ion: 97 Resp: 336708

Ion Ratio Lower Upper

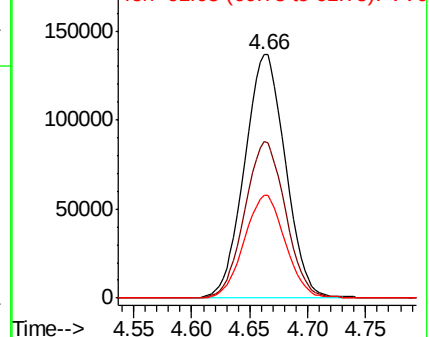
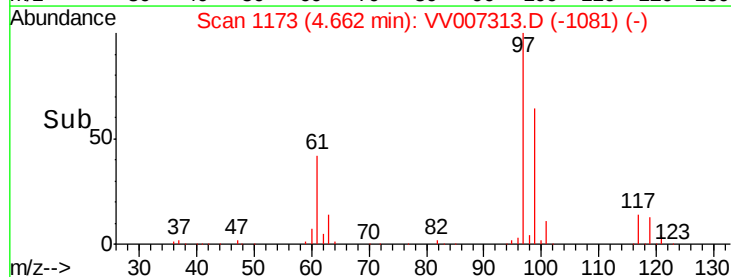
97 100

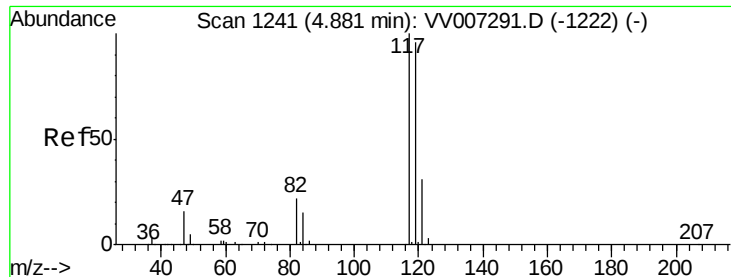
99 64.1 51.4 77.0

61 42.4 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV007313.D (-1081) (-)





#31

Carbon tetrachloride

Concen: 50.479 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

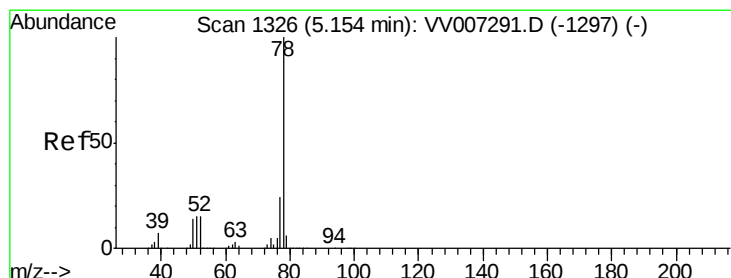
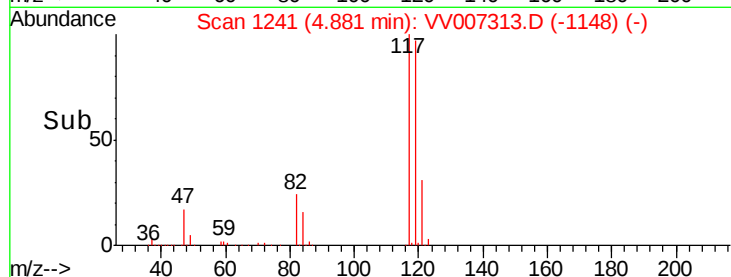
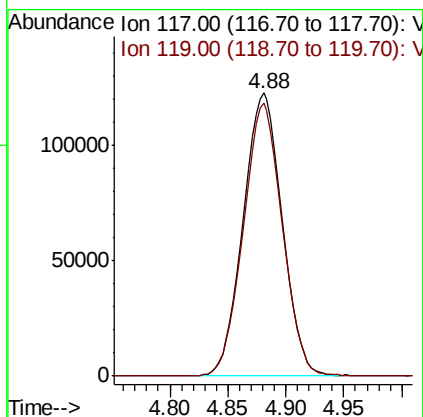
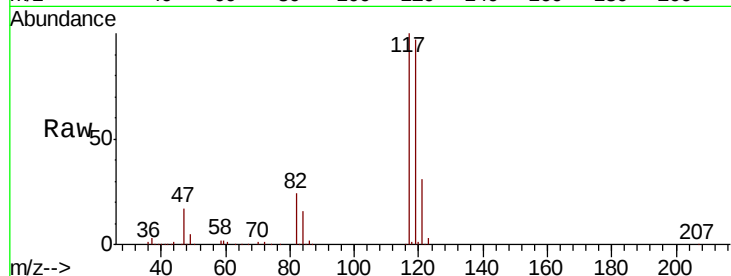
VSTD05078

Tgt Ion:117 Resp: 287484

Ion Ratio Lower Upper

117 100

119 96.1 77.1 115.7



#33

Benzene

Concen: 52.264 ug/L

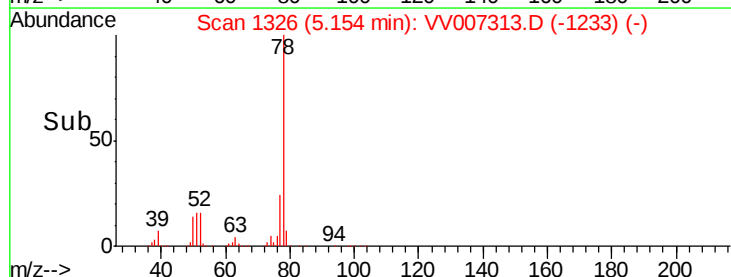
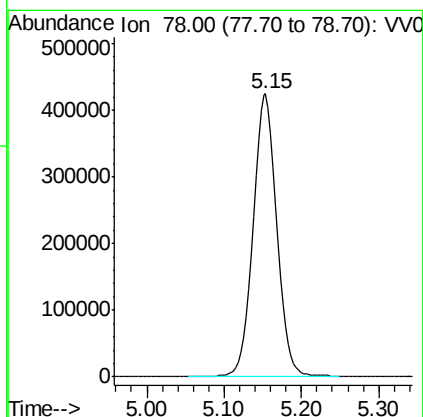
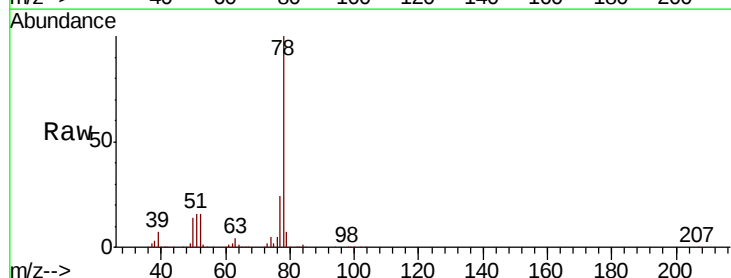
RT: 5.15 min Scan# 1326

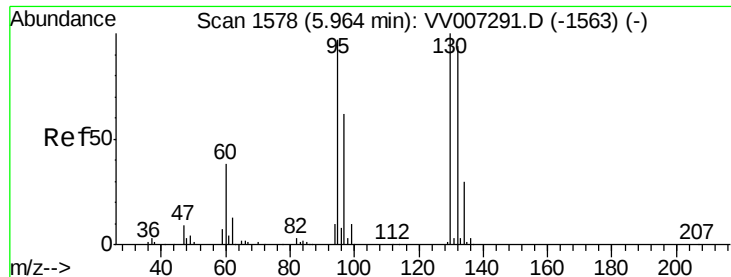
Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Tgt Ion: 78 Resp: 917745

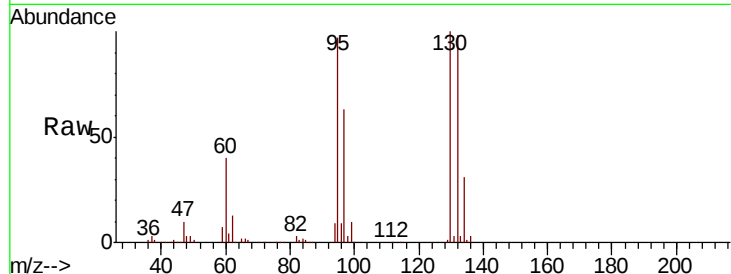




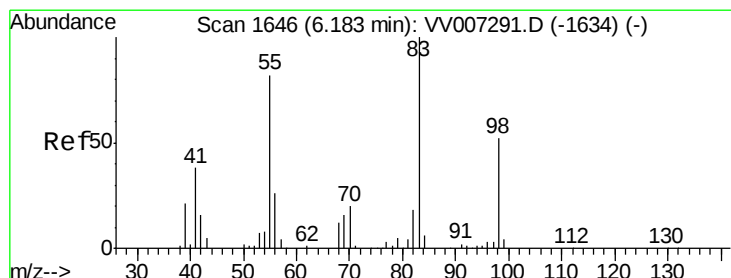
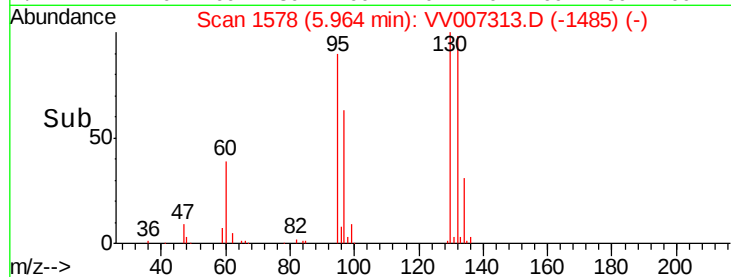
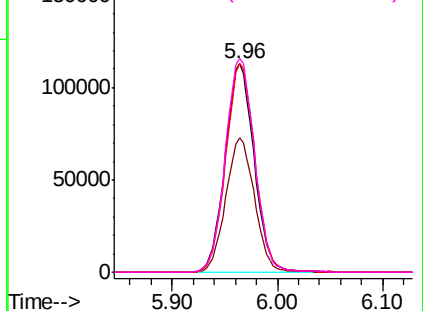
#34
 Trichloroethene
 Concen: 50.331 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion: 95 Resp: 214131
 Ion Ratio Lower Upper
 95 100
 97 64.4 45.1 83.9
 132 100.2 68.3 126.9
 130 102.6 72.4 134.5

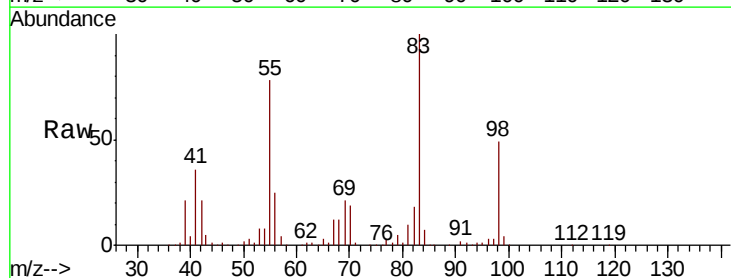


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

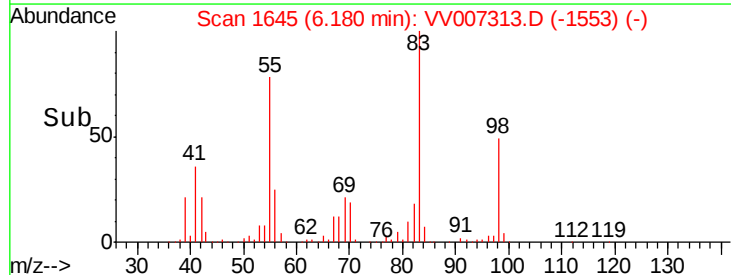
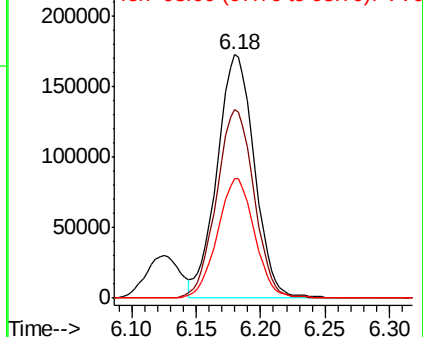


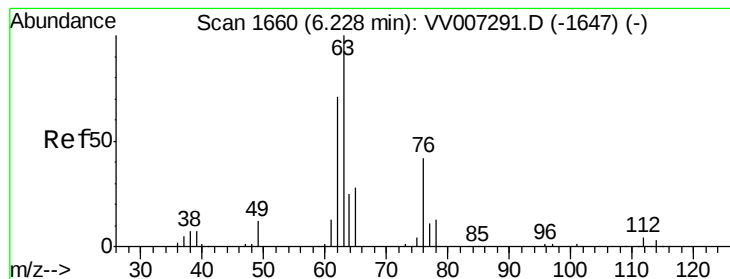
#35
 Methylcyclohexane
 Concen: 51.341 ug/L
 RT: 6.18 min Scan# 1645
 Delta R.T. -0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Tgt Ion: 83 Resp: 345334
 Ion Ratio Lower Upper
 83 100
 55 77.9 62.4 93.6
 98 48.9 39.0 58.4



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





#37

1,2-Dichloropropane

Concen: 51.782 ug/L

RT: 6.23 min Scan# 1660

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampled :

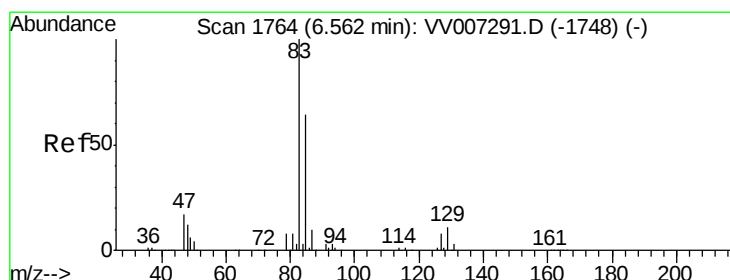
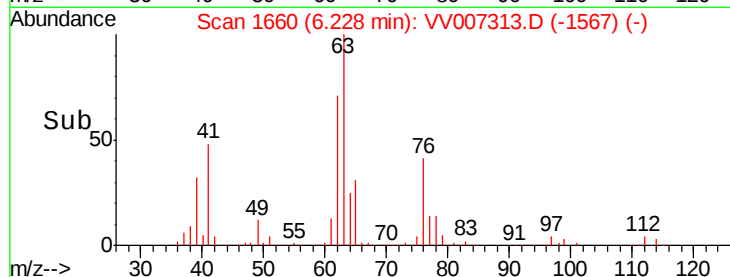
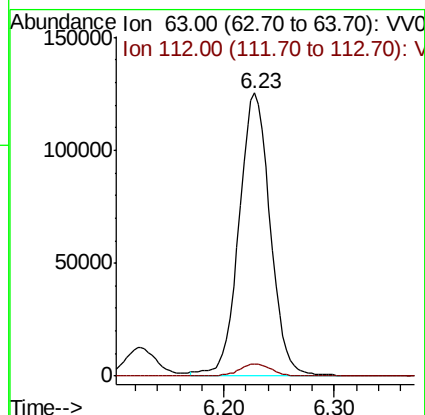
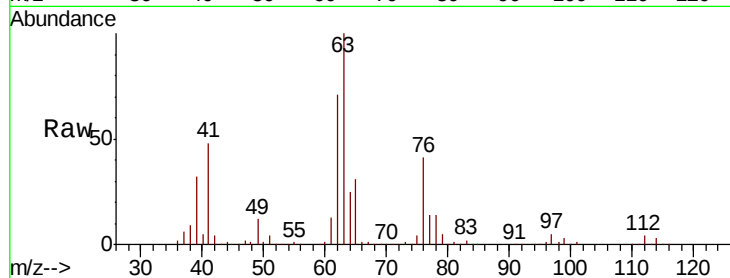
VSTD05078

Tgt Ion: 63 Resp: 245465

Ion Ratio Lower Upper

63 100

112 4.4 3.8 5.8



#38

Bromodichloromethane

Concen: 50.409 ug/L

RT: 6.56 min Scan# 1764

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

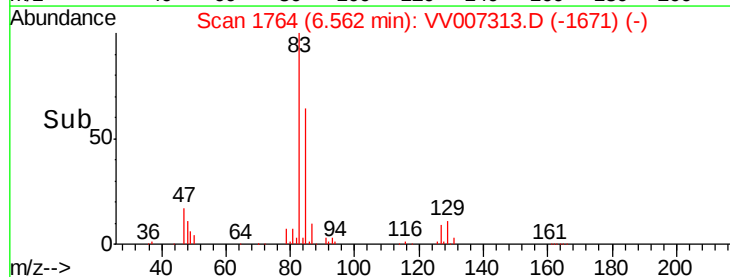
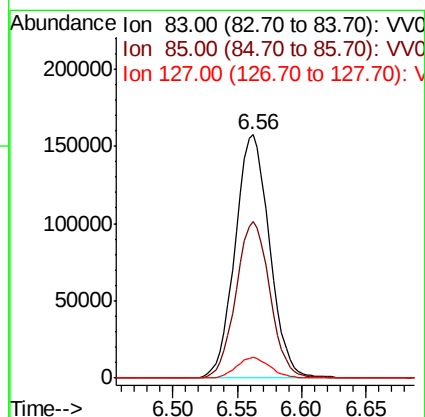
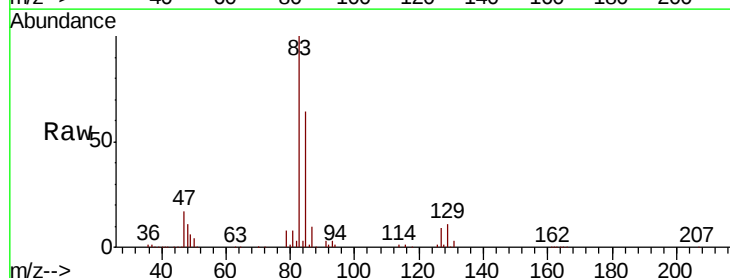
Tgt Ion: 83 Resp: 292925

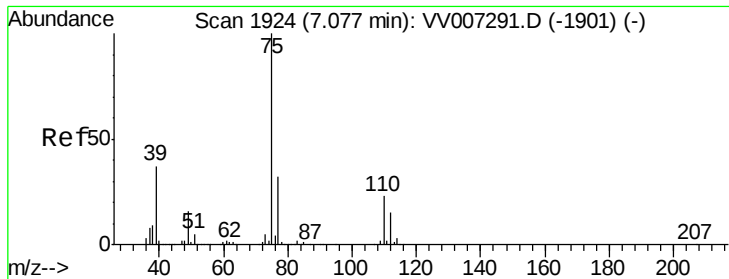
Ion Ratio Lower Upper

83 100

85 64.1 44.4 82.5

127 8.5 6.8 10.2

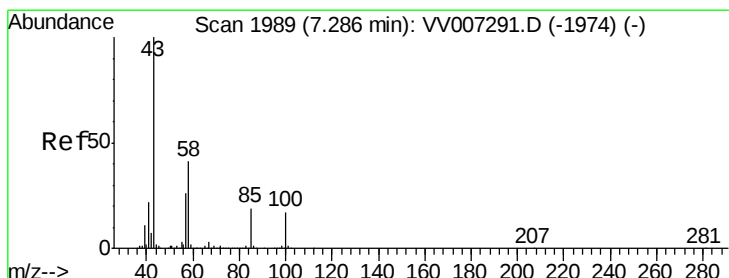
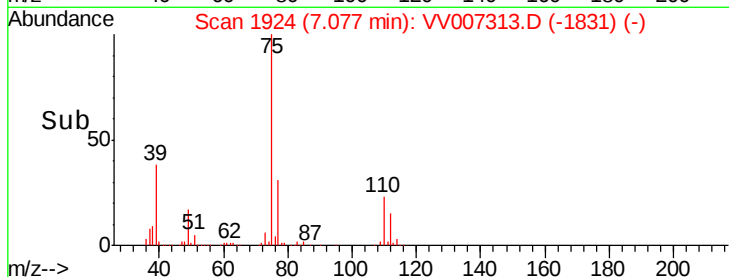
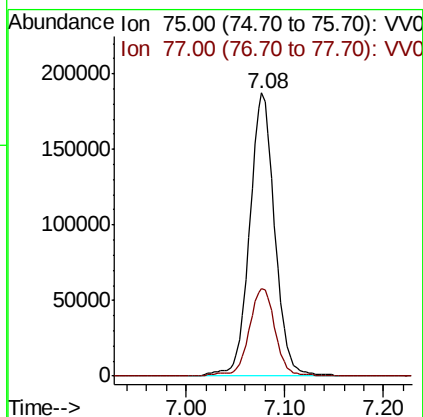
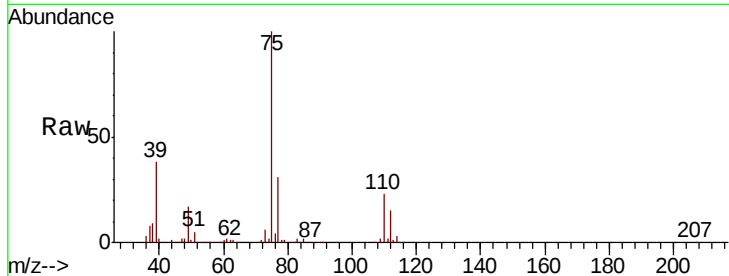




#39
 cis-1,3-Dichloropropene
 Concen: 49.566 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

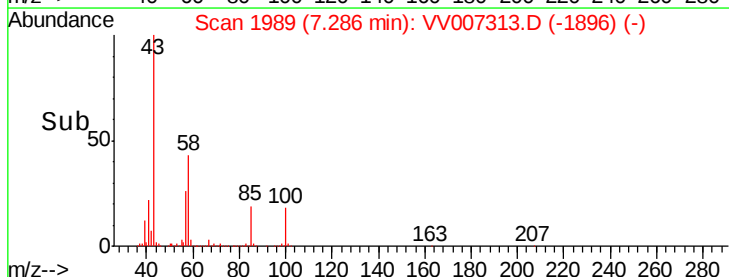
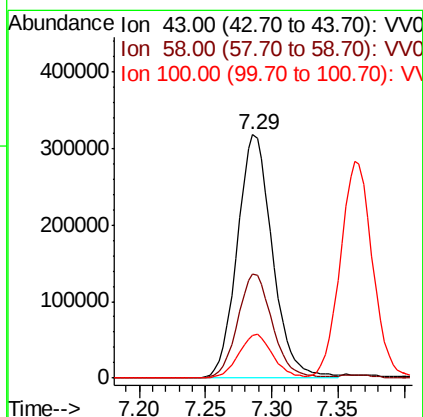
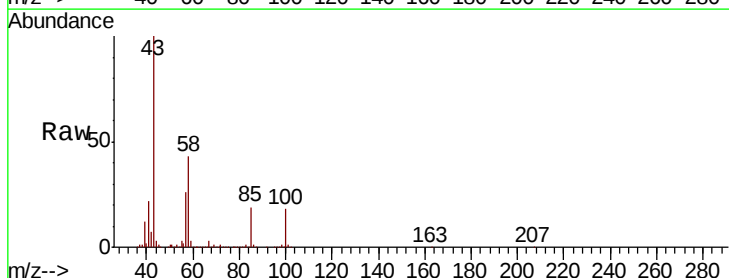
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

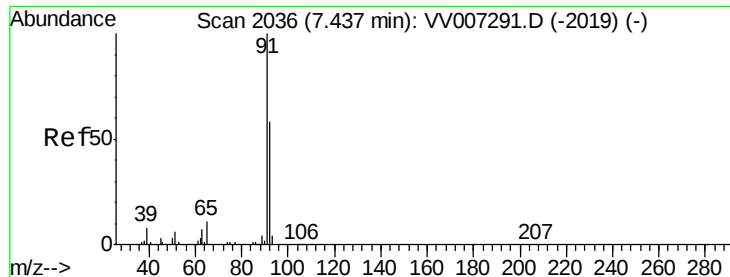
Tgt Ion: 75 Resp: 327666
 Ion Ratio Lower Upper
 75 100
 77 30.9 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 108.467 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Tgt Ion: 43 Resp: 586273
 Ion Ratio Lower Upper
 43 100
 58 42.2 32.6 49.0
 100 17.2 13.4 20.0





#42

Toluene

Concen: 53.258 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

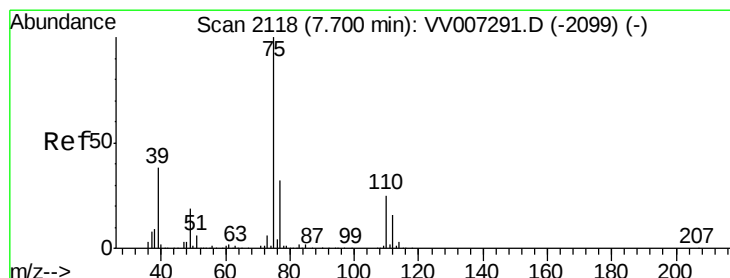
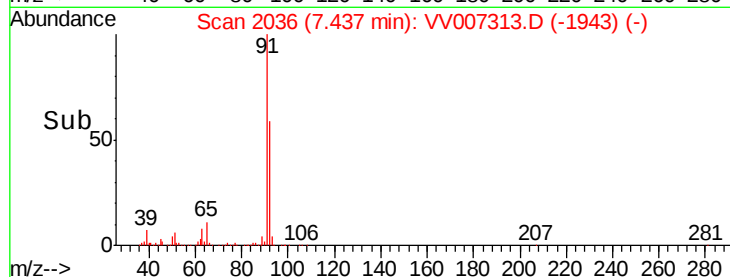
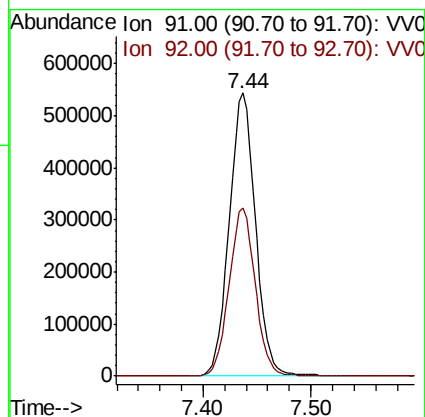
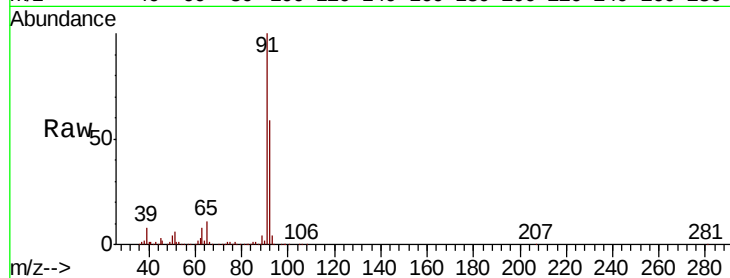
VSTD05078

Tgt Ion: 91 Resp: 923527

Ion Ratio Lower Upper

91 100

92 59.5 40.7 75.7



#44

trans-1,3-Dichloropropene

Concen: 49.645 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007313.D

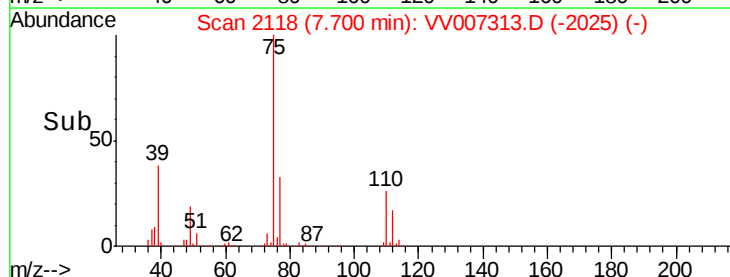
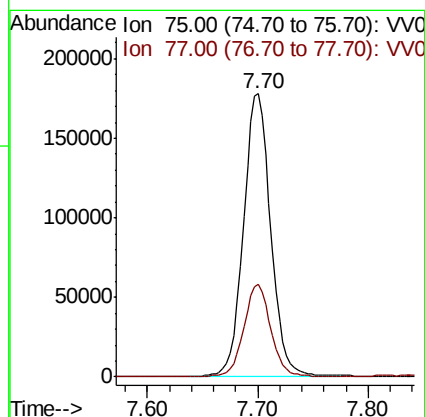
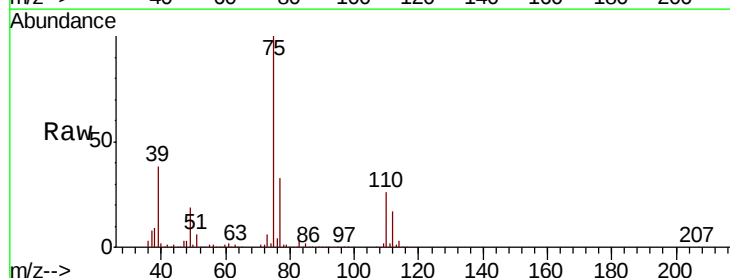
Acq: 31 Aug 2018 20:21

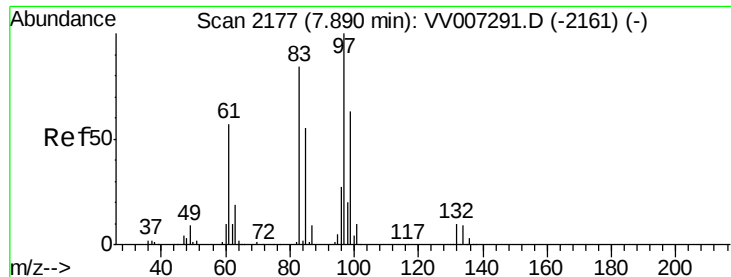
Tgt Ion: 75 Resp: 304832

Ion Ratio Lower Upper

75 100

77 32.6 22.7 42.1

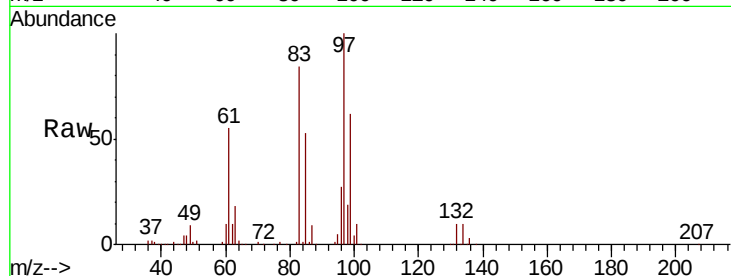




#45
 1,1,2-Trichloroethane
 Concen: 51.467 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion:	97	Resp:	227144
Ion	Ratio	Lower	Upper
97	100		
99	61.6	44.0	81.6
83	84.1	59.0	109.6
85	53.2	38.9	72.2



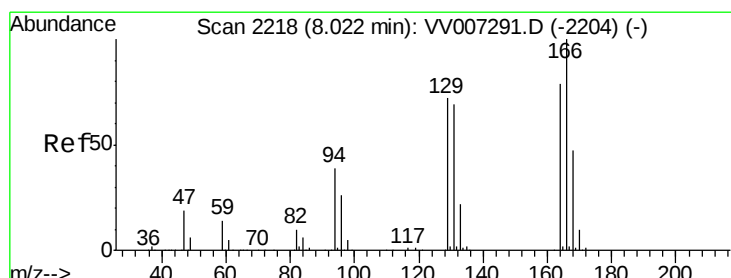
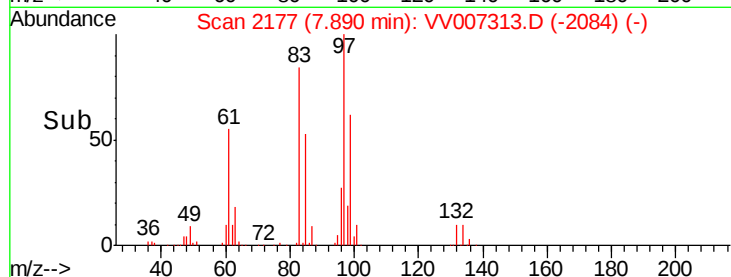
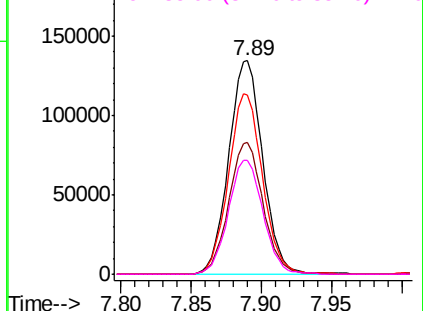
Abundance

Ion 97.00 (96.70 to 97.70): VV007313.D (-2161) (-)

Ion 99.00 (98.70 to 99.70): VV007313.D (-2161) (-)

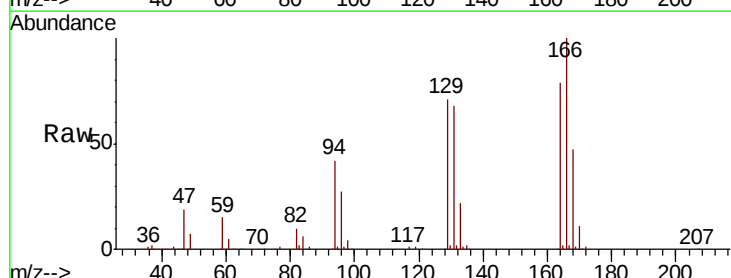
Ion 83.00 (82.70 to 83.70): VV007313.D (-2161) (-)

Ion 85.00 (84.70 to 85.70): VV007313.D (-2161) (-)



#46
 Tetrachloroethene
 Concen: 50.647 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Tgt Ion:	164	Resp:	180638
Ion	Ratio	Lower	Upper
164	100		
129	89.9	64.5	119.7
131	86.2	61.2	113.8
166	125.9	89.1	165.5



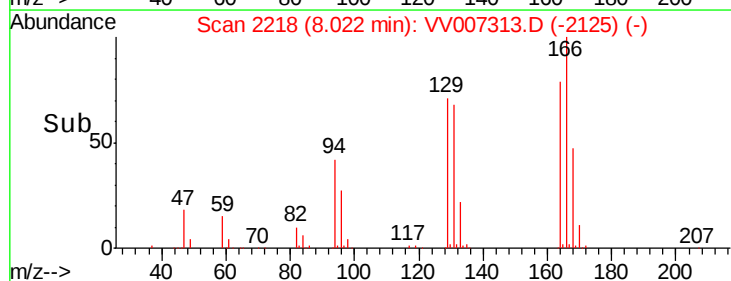
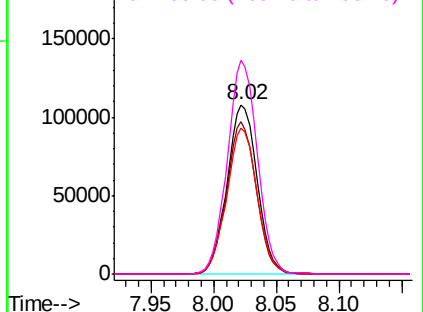
Abundance

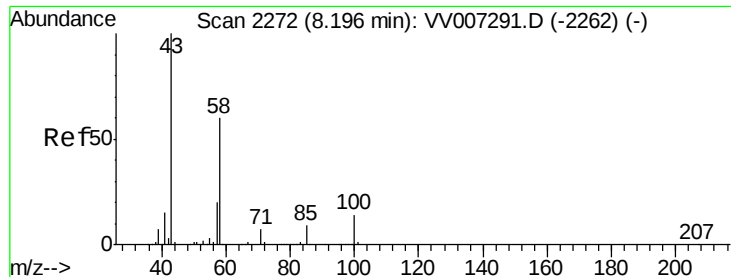
Ion 164.00 (163.70 to 164.70): VV007313.D (-2218) (-)

Ion 129.00 (128.70 to 129.70): VV007313.D (-2218) (-)

Ion 131.00 (130.70 to 131.70): VV007313.D (-2218) (-)

Ion 166.00 (165.70 to 166.70): VV007313.D (-2218) (-)

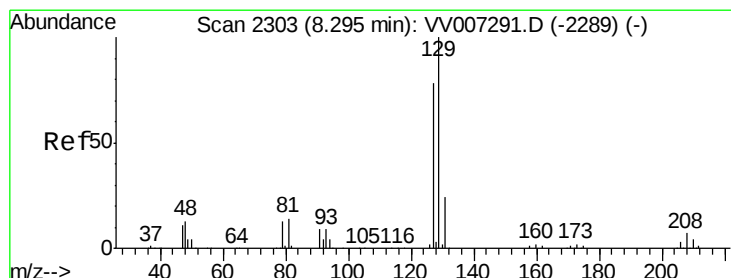
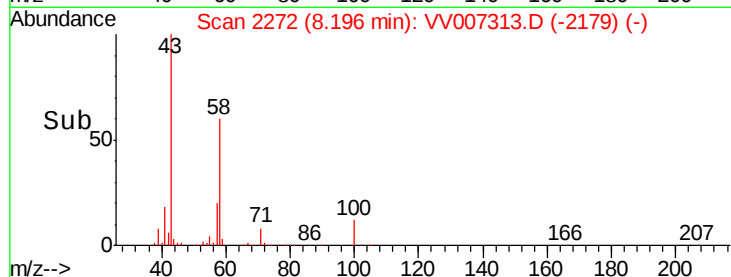
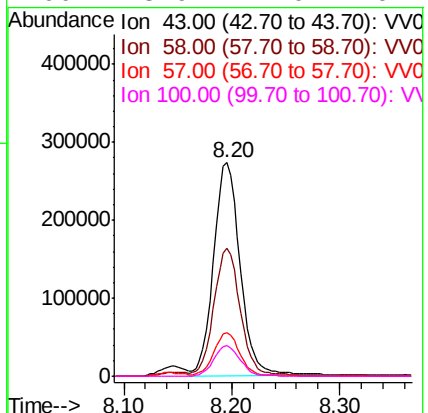
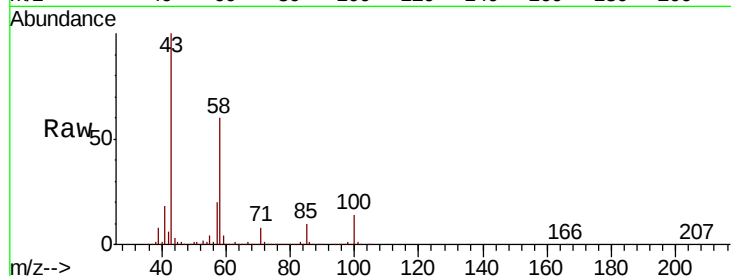




#48
2-Hexanone
Concen: 106.868 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007313.D
Acq: 31 Aug 2018 20:21

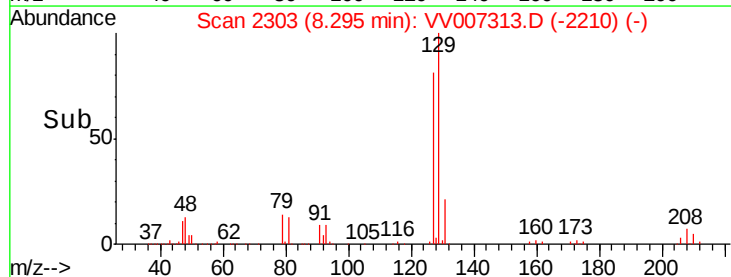
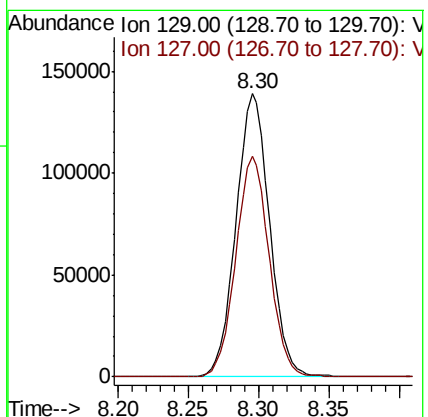
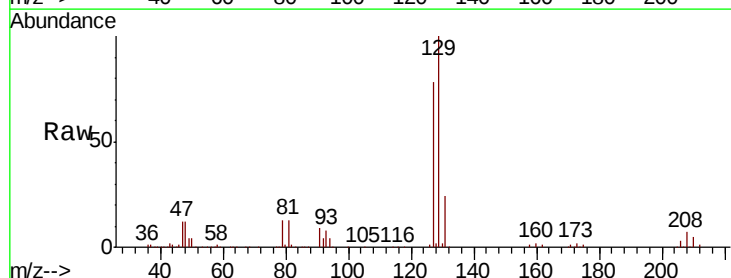
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

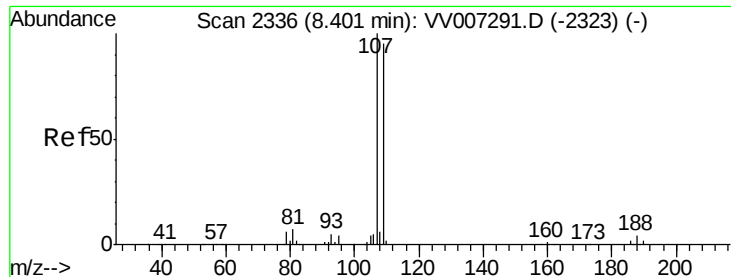
Tgt Ion:	43	Resp:	467645
Ion	Ratio	Lower	Upper
43	100		
58	59.8	48.2	72.4
57	20.1	15.9	23.9
100	13.9	11.0	16.4



#49
Dibromochloromethane
Concen: 50.159 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007313.D
Acq: 31 Aug 2018 20:21

Tgt Ion:	129	Resp:	232366
Ion	Ratio	Lower	Upper
129	100		
127	77.9	54.4	101.0

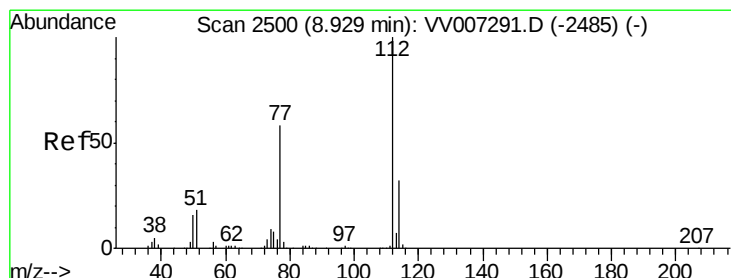
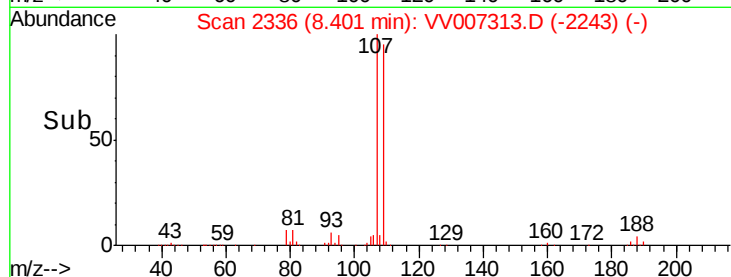
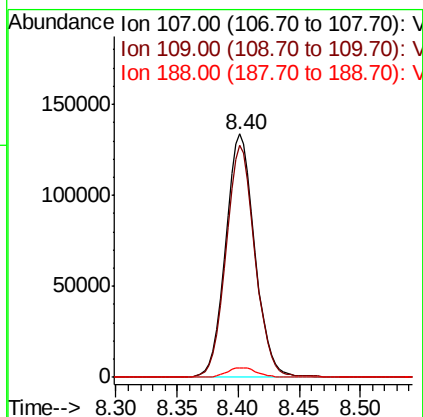
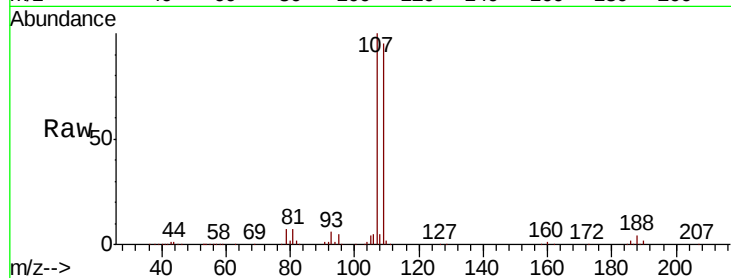




#50
1,2-Dibromoethane
Concen: 50.868 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007313.D
Acq: 31 Aug 2018 20:21

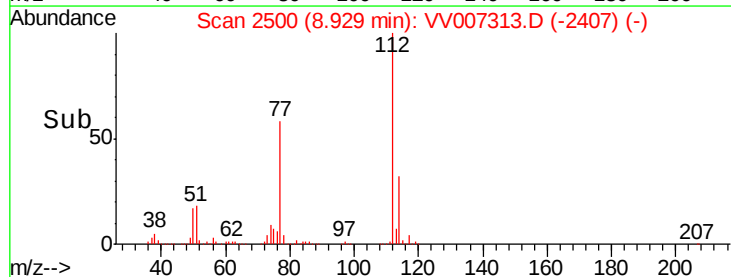
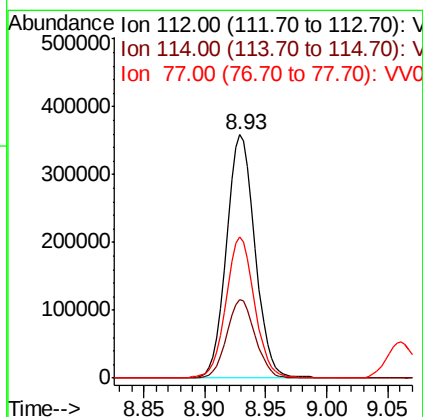
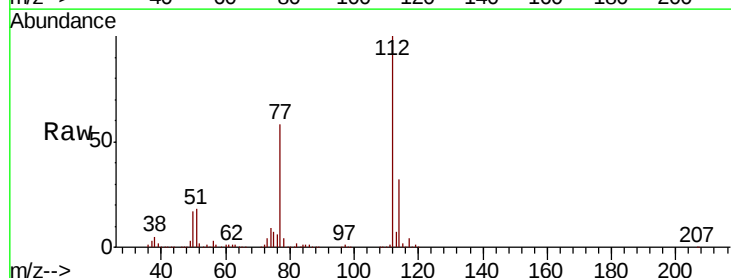
Instrument :
MSVOA_V
ClientSampleId :
VSTD05078

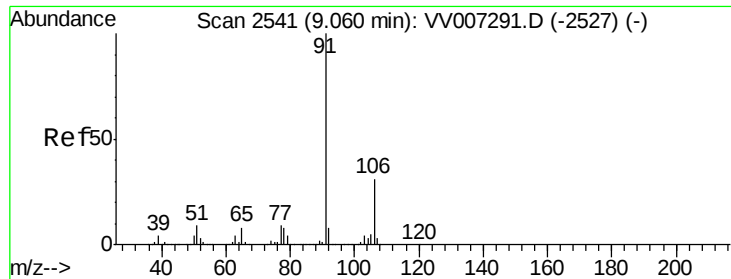
Tgt Ion:107 Resp: 224148
Ion Ratio Lower Upper
107 100
109 95.4 66.7 123.9
188 4.0 3.3 4.9



#51
Chlorobenzene
Concen: 50.607 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007313.D
Acq: 31 Aug 2018 20:21

Tgt Ion:112 Resp: 589533
Ion Ratio Lower Upper
112 100
114 32.5 22.4 41.6
77 58.1 46.2 69.4





#52

Ethylbenzene

Concen: 52.611 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

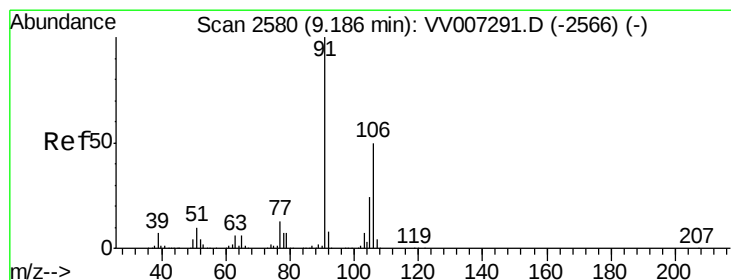
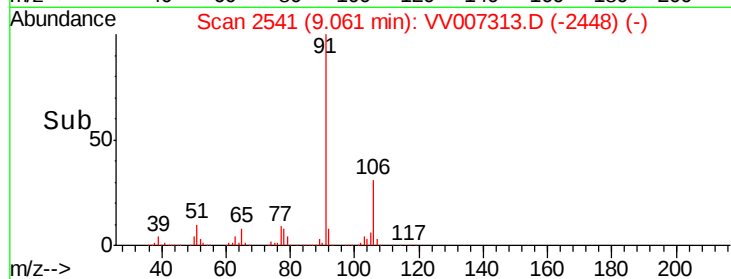
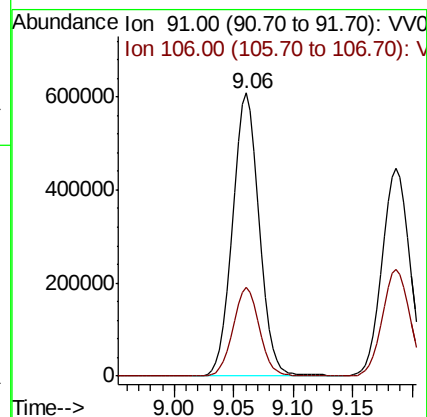
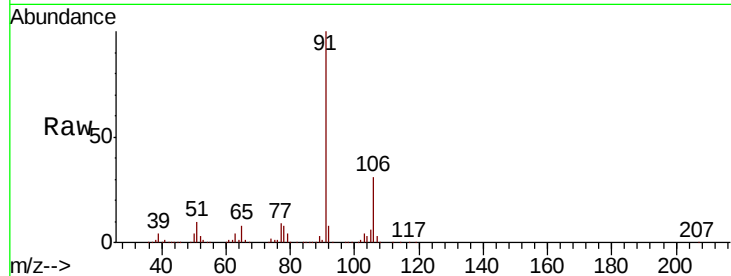
VSTD05078

Tgt Ion: 91 Resp: 943535

Ion Ratio Lower Upper

91 100

106 31.4 21.7 40.3



#53

m,p-Xylene

Concen: 54.518 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007313.D

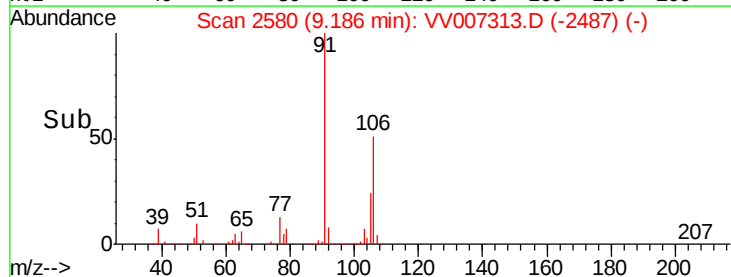
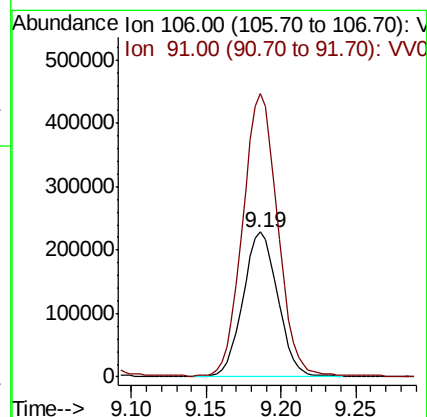
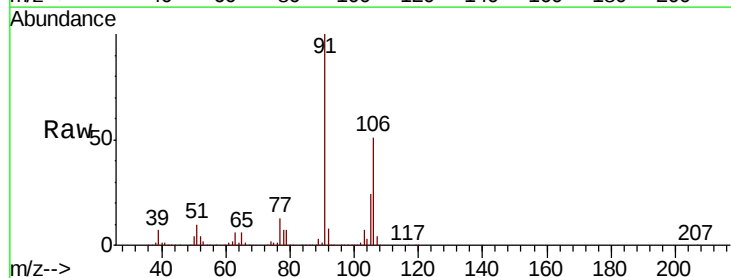
Acq: 31 Aug 2018 20:21

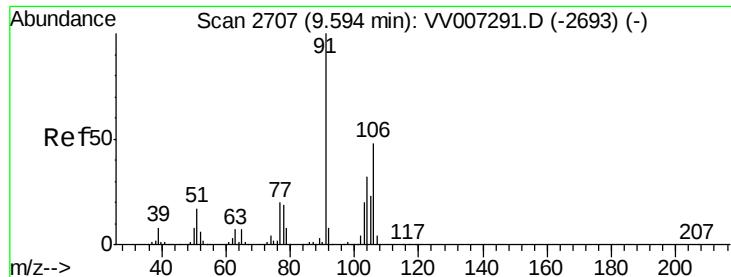
Tgt Ion: 106 Resp: 369121

Ion Ratio Lower Upper

106 100

91 195.5 140.1 260.3





#54

o-xylene

Concen: 53.720 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

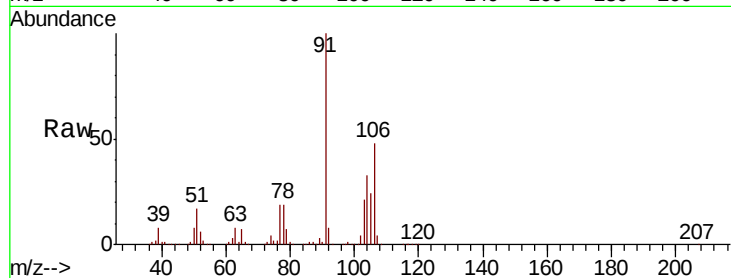
VSTD05078

Tgt Ion:106 Resp: 353101

Ion Ratio Lower Upper

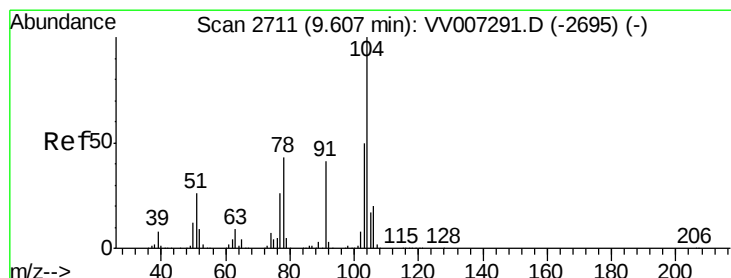
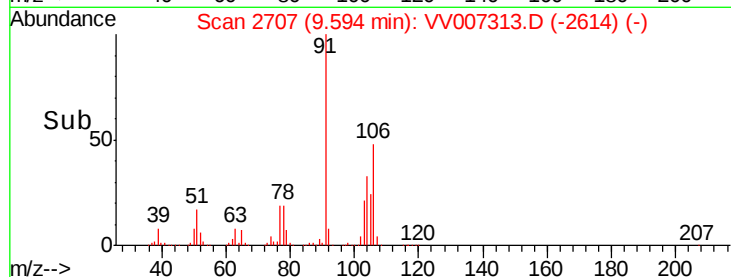
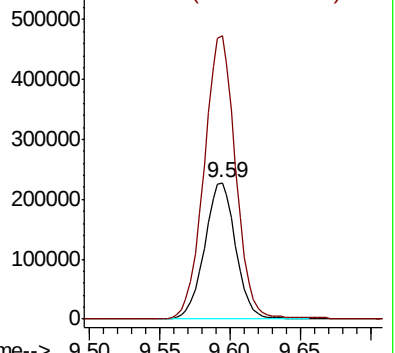
106 100

91 207.4 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.933 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007313.D

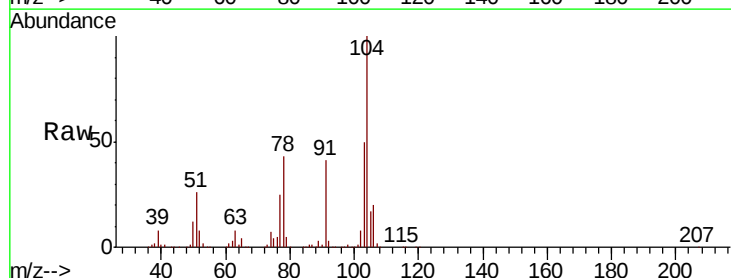
Acq: 31 Aug 2018 20:21

Tgt Ion:104 Resp: 651598

Ion Ratio Lower Upper

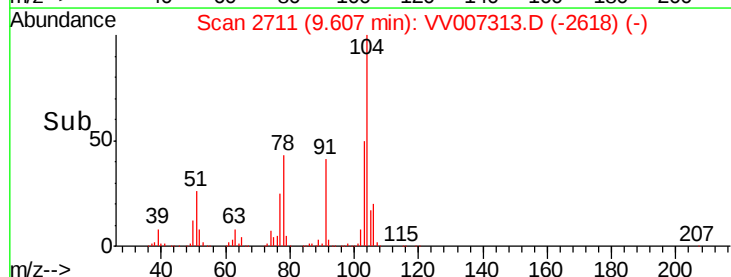
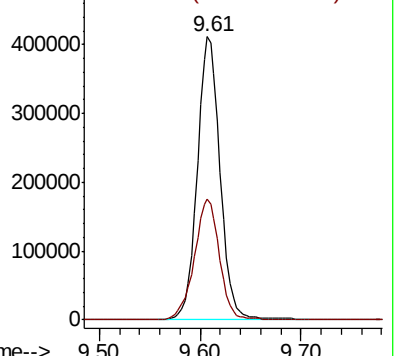
104 100

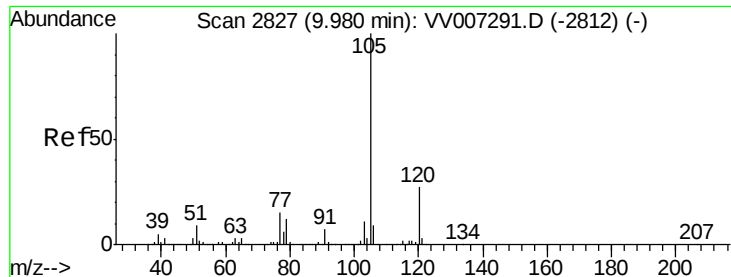
78 42.9 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 54.517 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

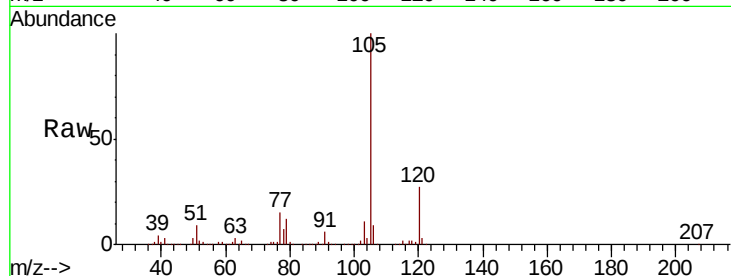
Tgt Ion: 105 Resp: 909826

Ion Ratio Lower Upper

105 100

120 26.2 21.3 31.9

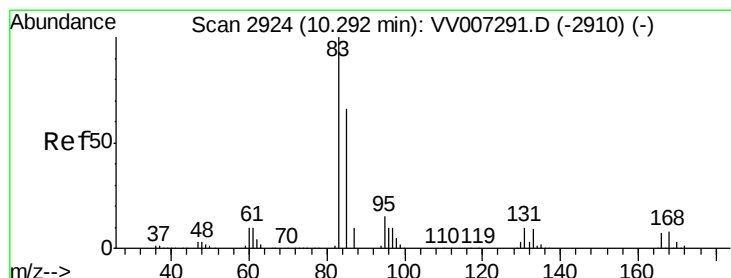
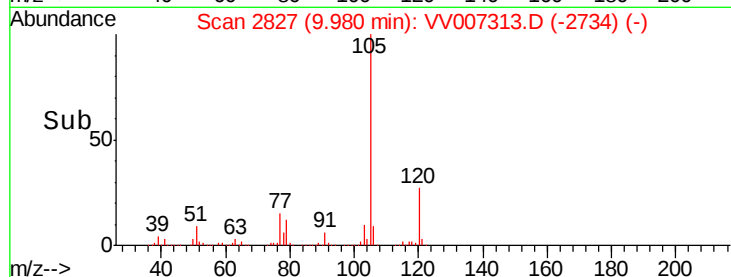
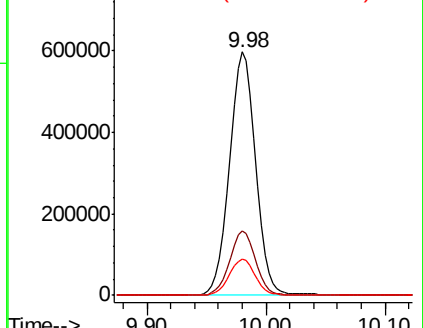
77 14.9 12.1 18.1



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: 51.836 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

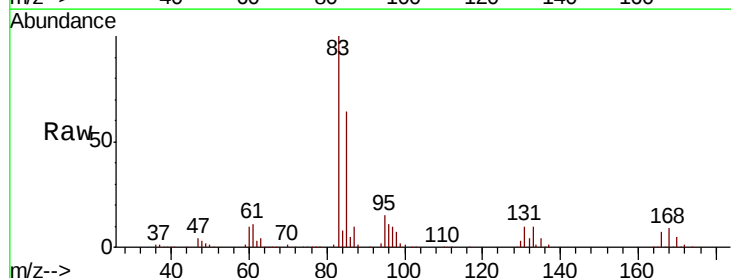
Tgt Ion: 83 Resp: 369033

Ion Ratio Lower Upper

83 100

85 64.3 46.1 85.5

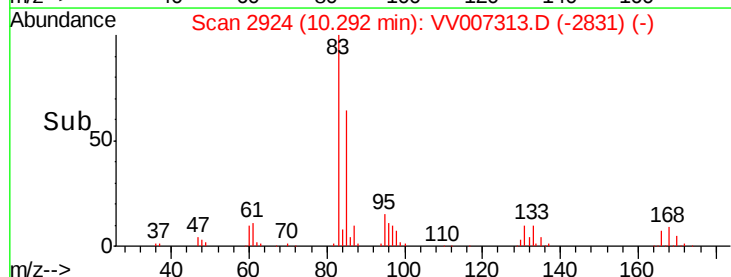
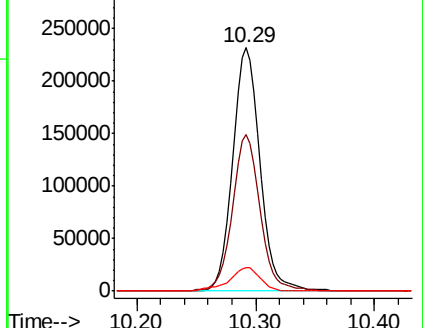
131 9.9 7.9 11.9

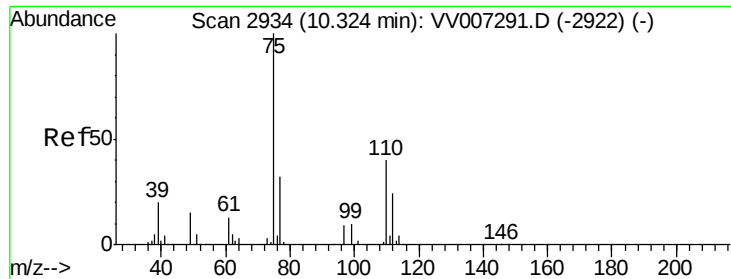


Abundance Ion 83.00 (82.70 to 83.70): VV0

Ion 85.00 (84.70 to 85.70): VV0

Ion 131.00 (130.70 to 131.70): V





#59

1,2,3-Trichloropropane

Concen: 52.465 ug/L

RT: 10.32 min Scan# 2934

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

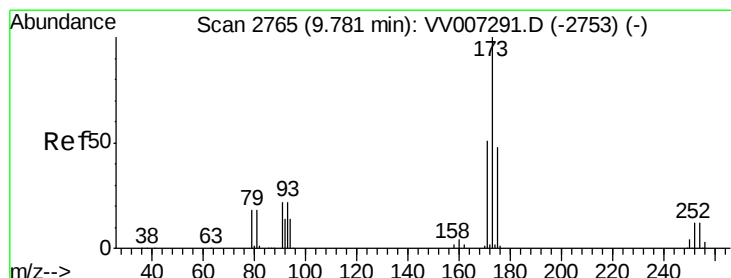
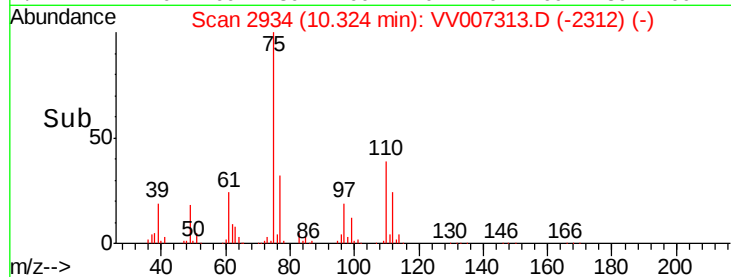
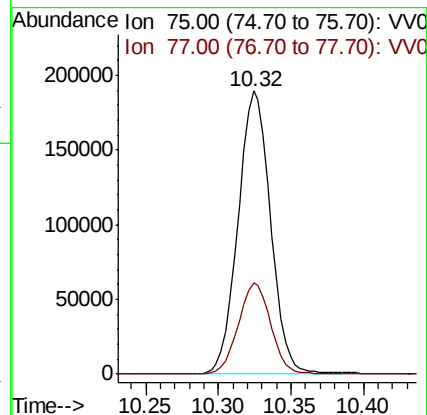
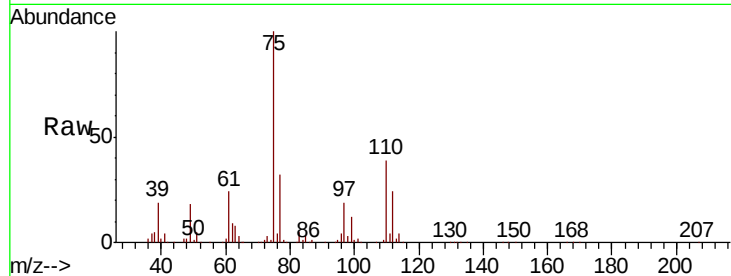
VSTD05078

Tgt Ion: 75 Resp: 295147

Ion Ratio Lower Upper

75 100

77 32.2 25.9 38.9



#61

Bromoform

Concen: 48.087 ug/L

RT: 9.78 min Scan# 2765

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

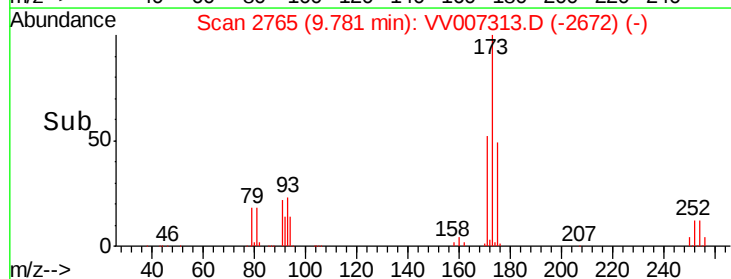
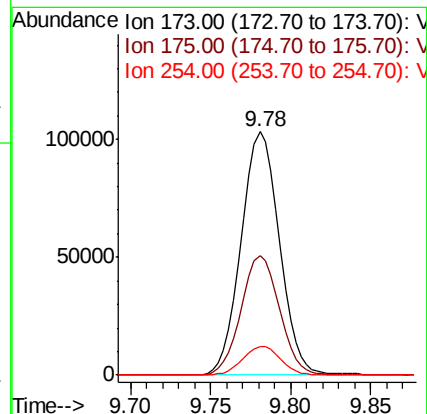
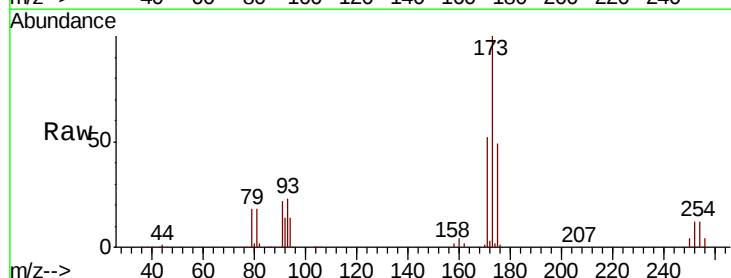
Tgt Ion: 173 Resp: 168192

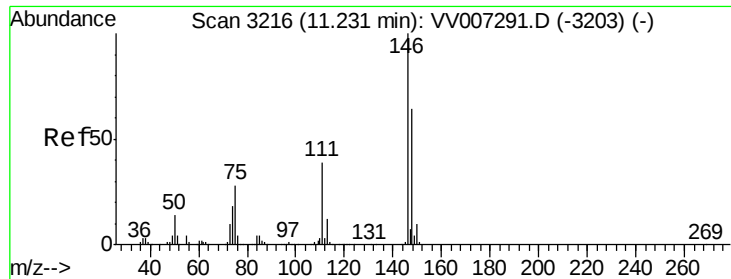
Ion Ratio Lower Upper

173 100

175 49.2 38.3 57.5

254 11.8 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 49.106 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

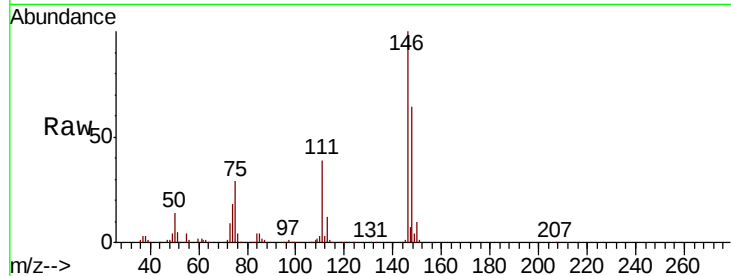
Tgt Ion:146 Resp: 410889

Ion Ratio Lower Upper

146 100

111 38.7 27.2 50.6

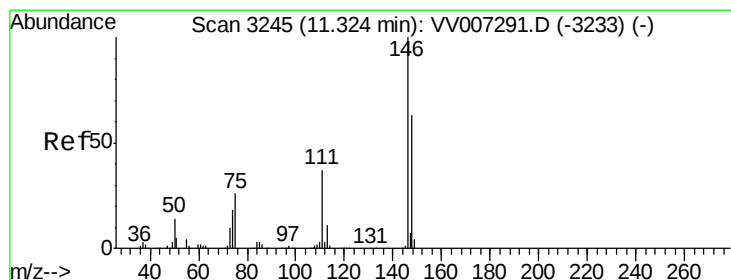
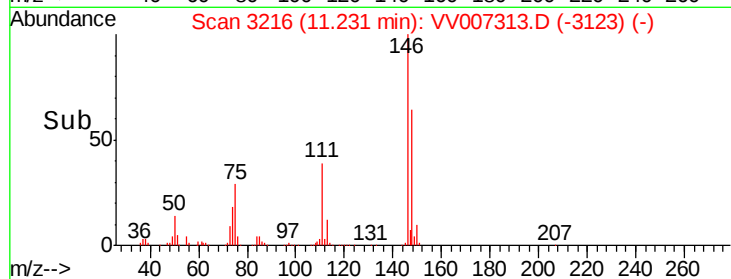
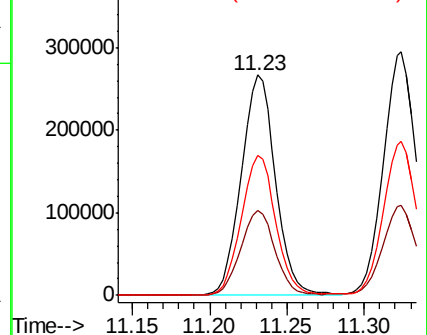
148 63.9 45.1 83.7



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: 49.660 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

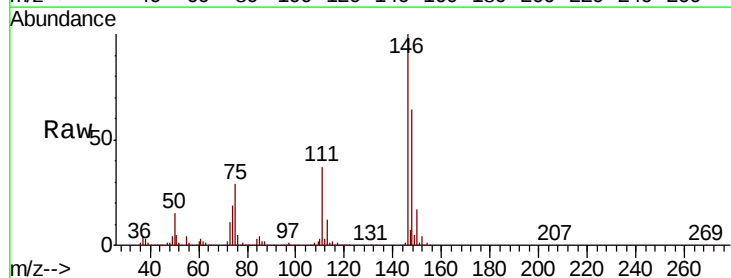
Tgt Ion:146 Resp: 450419

Ion Ratio Lower Upper

146 100

111 36.8 25.8 48.0

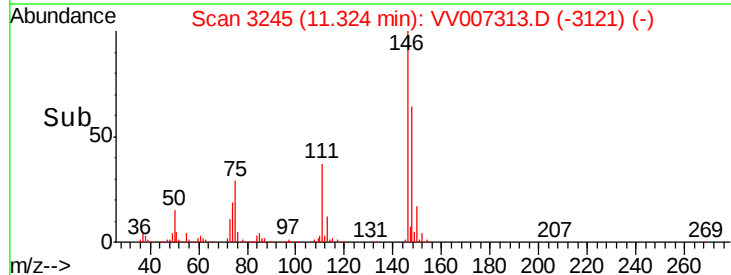
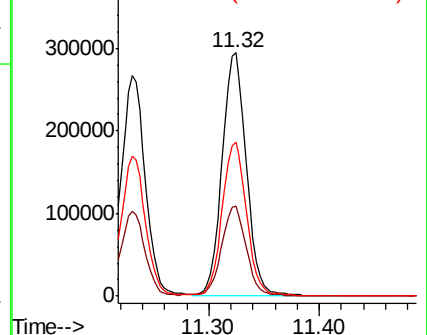
148 63.5 44.2 82.2

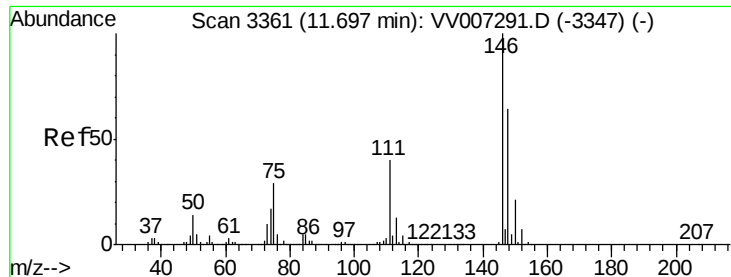


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V

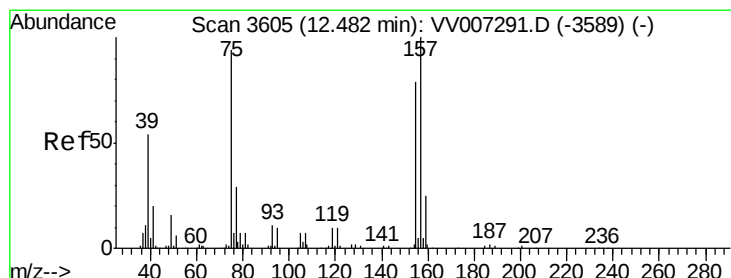
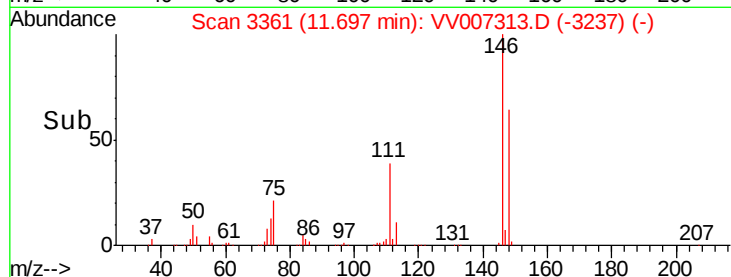
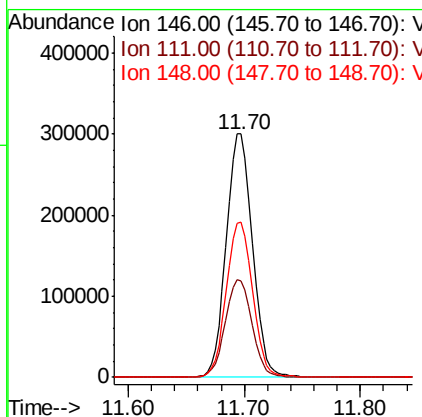
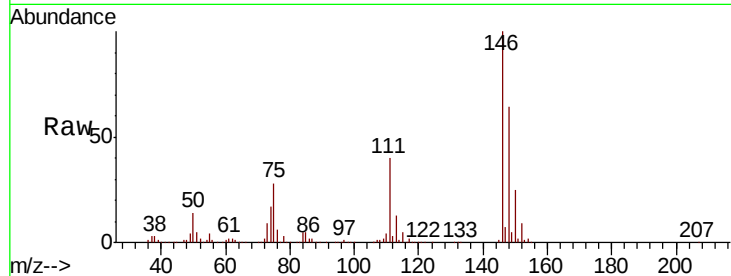




#65
 1,2-Dichlorobenzene
 Concen: 51.241 ug/L
 RT: 11.70 min Scan# 3361
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

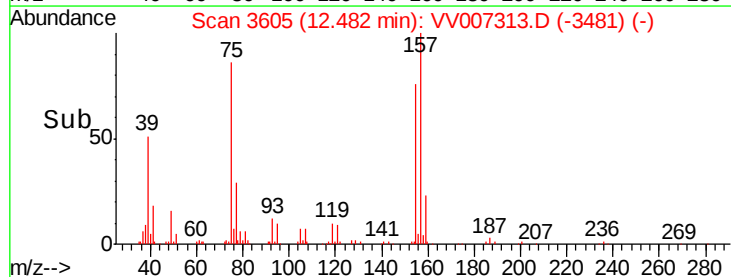
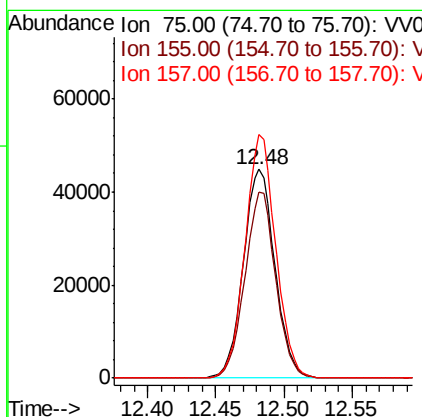
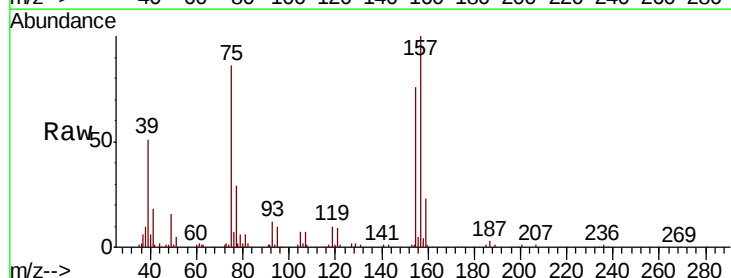
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

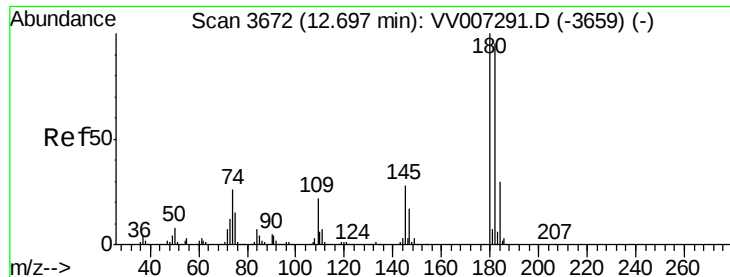
Tgt Ion: 146 Resp: 468226
 Ion Ratio Lower Upper
 146 100
 111 39.8 32.2 48.2
 148 64.0 51.1 76.7



#66
 1,2-Dibromo-3-chloropropane
 Concen: 48.640 ug/L
 RT: 12.48 min Scan# 3605
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Tgt Ion: 75 Resp: 72106
 Ion Ratio Lower Upper
 75 100
 155 89.1 67.1 100.7
 157 116.6 85.4 128.2

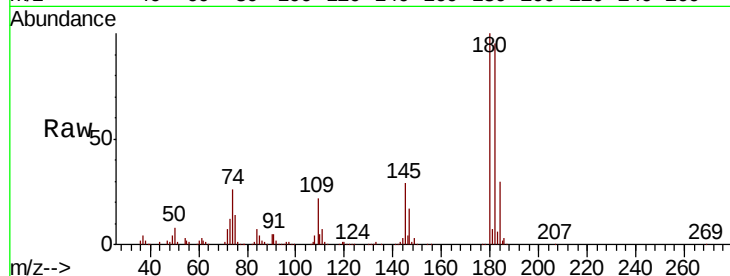




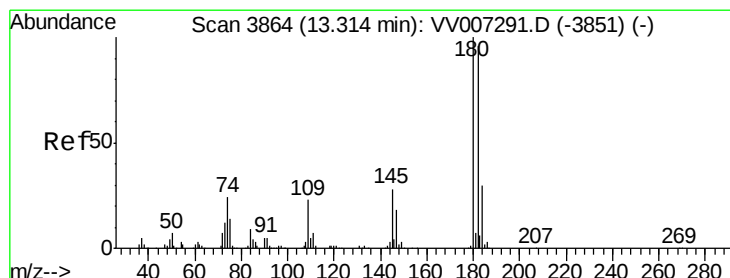
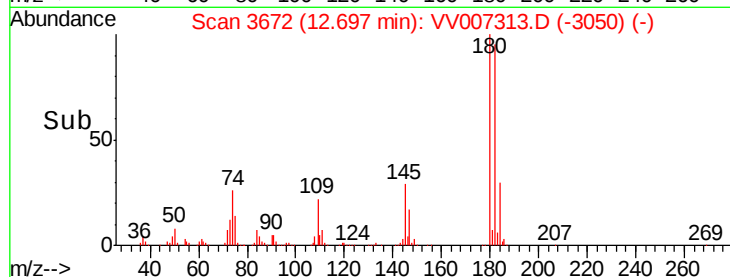
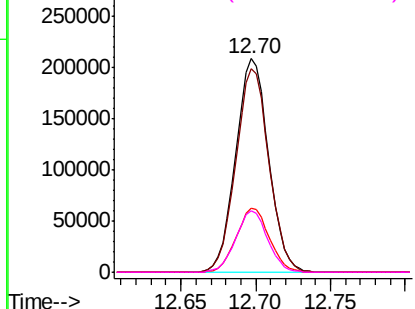
#67
 1,3,5-Trichlorobenzene
 Concen: 49.328 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05078

Tgt Ion:	180	Resp:	319262
Ion	Ratio	Lower	Upper
180	100		
182	95.6	76.9	115.3
184	30.0	24.1	36.1
145	27.9	22.3	33.5

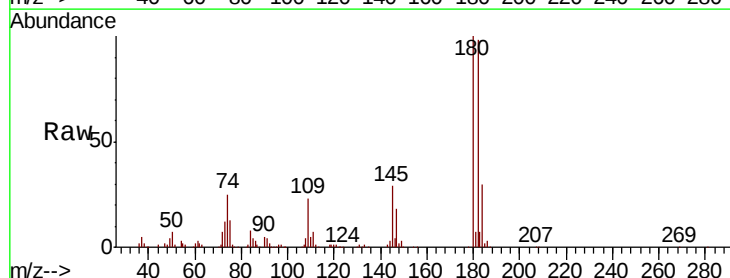


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

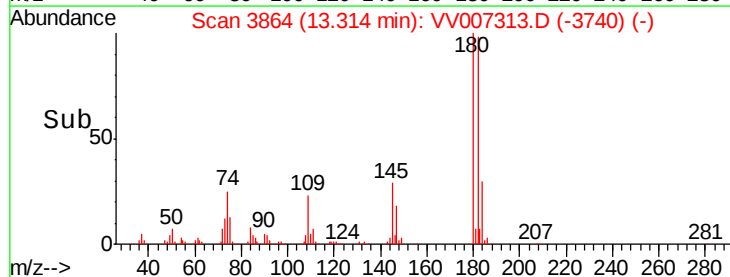
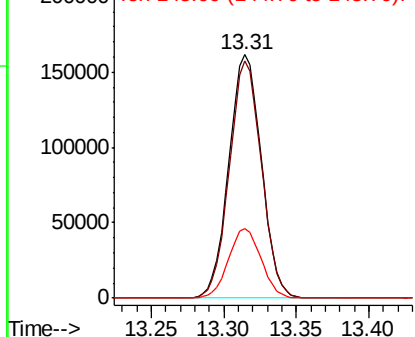


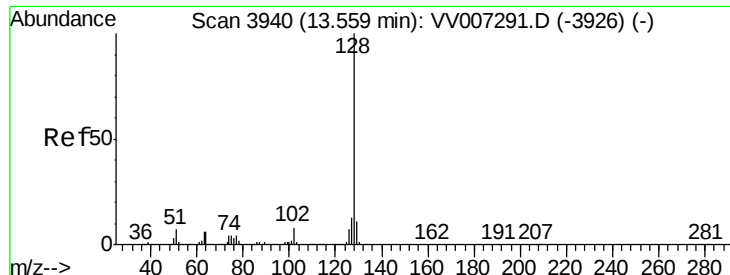
#68
 1,2,4-trichlorobenzene
 Concen: 48.606 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007313.D
 Acq: 31 Aug 2018 20:21

Tgt Ion:	180	Resp:	251262
Ion	Ratio	Lower	Upper
180	100		
182	96.0	77.2	115.8
145	28.6	22.8	34.2



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: 51.109 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

Instrument :

MSVOA_V

ClientSampleId :

VSTD05078

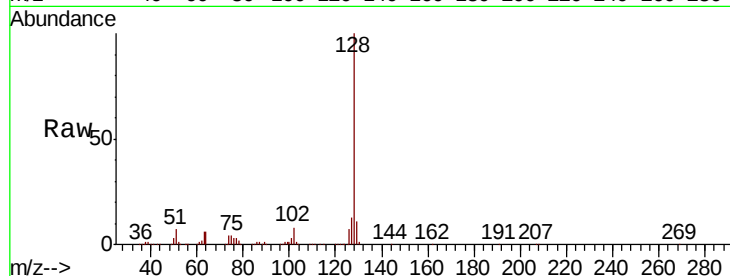
Tgt Ion:128 Resp: 736769

Ion Ratio Lower Upper

128 100

127 13.0 10.6 15.8

129 10.9 8.6 13.0



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

600000

500000

400000

300000

200000

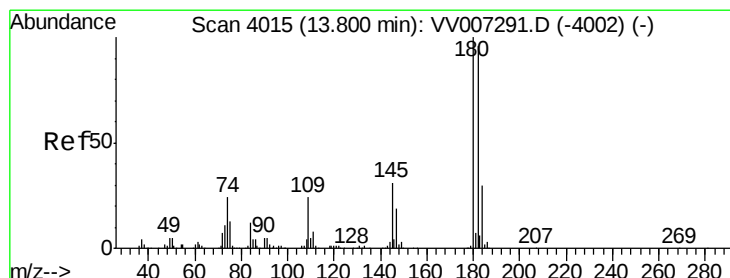
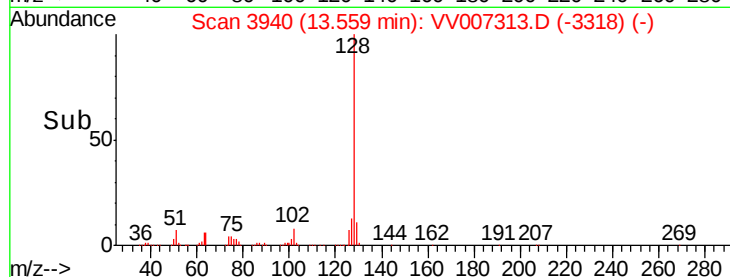
100000

0

13.56

13.50 13.60

Time-->



#70

1,2,3-Trichlorobenzene

Concen: 52.210 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007313.D

Acq: 31 Aug 2018 20:21

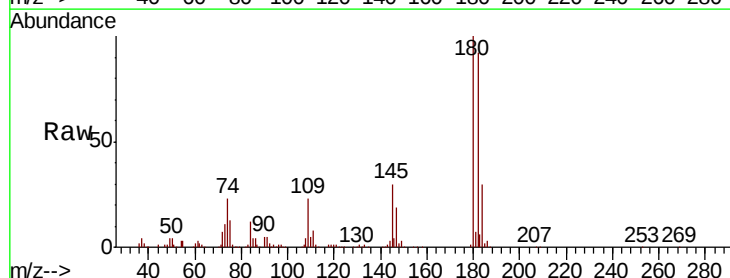
Tgt Ion:180 Resp: 292881

Ion Ratio Lower Upper

180 100

182 93.3 76.1 114.1

145 30.3 24.4 36.6



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

250000

200000

150000

100000

50000

0

13.80

13.75 13.85 13.90

Time-->

