

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_V\DATA\VV083118\
 Data File : VV007291.D
 Acq On : 31 Aug 2018 10:32
 Operator : SY/MD
 Sample : VSTD05073
 Misc : 5.0 mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Quant Time: Aug 31 23:39:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVLM083118WMA.M
 Quant Title : VOC Analysis
 QLast Update : Fri Aug 31 23:38:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.67	114	617846	50.00	ug/L	0.00
28) Chlorobenzene-d5	8.90	117	599618	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.30	152	289242	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	188254	44.86	ug/L	0.00
7) Chloroethane-d5	1.58	69	118150	36.20	ug/L	0.00
11) 1,1-Dichloroethene-d2	2.13	63	347571	46.93	ug/L	0.00
21) 2-Butanone-d5	3.96	46	300303	94.43	ug/L	0.00
24) Chloroform-d	4.41	84	401448	48.34	ug/L	0.00
26) 1,2-Dichloroethane-d4	5.09	65	241736	48.11	ug/L	0.00
32) Benzene-d6	5.11	84	818665	48.59	ug/L	0.00
36) 1,2-Dichloropropane-d6	6.12	67	263005	47.44	ug/L	0.00
41) Toluene-d8	7.36	98	761230	51.21	ug/L	0.00
43) trans-1,3-Dichloropropene-	7.67	79	119244	49.13	ug/L	0.00
47) 2-Hexanone-d5	8.14	63	198458	110.84	ug/L	0.00
57) 1,1,2,2-Tetrachloroethane-	10.27	84	364232	49.17	ug/L	0.00
64) 1,2-Dichlorobenzene-d4	11.68	152	279316	46.69	ug/L	0.00

Target Compounds

					Qvalue
2) Dichlorodifluoromethane	1.14	85	244127	49.736	ug/L 100
3) Chloromethane	1.26	50	266295	46.142	ug/L 100
5) Vinyl chloride	1.32	62	254084	49.323	ug/L 100
6) Bromomethane	1.54	94	120289	66.555	ug/L 100
8) Chloroethane	1.59	64	113196	38.938	ug/L 100
9) Trichlorofluoromethane	1.76	101	320938	49.159	ug/L 100
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	198331	49.745	ug/L 100
12) 1,1-Dichloroethene	2.14	96	187294	49.252	ug/L 100
13) Acetone	2.21	43	272803	111.736	ug/L 100
14) Carbon disulfide	2.32	76	547710	47.203	ug/L 100
15) Methyl Acetate	2.47	43	211008	49.845	ug/L 100
16) Methylene chloride	2.54	84	217118	50.249	ug/L 100
17) trans-1,2-Dichloroethene	2.79	96	202958	49.384	ug/L 100
18) Methyl tert-butyl Ether	2.82	73	623495	50.608	ug/L 100
19) 1,1-Dichloroethane	3.23	63	415007	49.729	ug/L 100
20) cis-1,2-Dichloroethene	3.97	96	229711	48.146	ug/L 100
22) 2-Butanone	4.04	43	381497	102.609	ug/L 100
23) Bromochloromethane	4.30	128	120842	49.454	ug/L 100
25) Chloroform	4.43	83	407790	49.859	ug/L 100
27) 1,2-Dichloroethane	5.19	62	301244	49.768	ug/L 100
29) Cyclohexane	4.73	56	328316	48.477	ug/L 100
30) 1,1,1-Trichloroethane	4.67	97	341195	49.629	ug/L 100
31) Carbon tetrachloride	4.88	117	295274	50.030	ug/L 100
33) Benzene	5.15	78	939216	50.594	ug/L 100
34) Trichloroethene	5.96	95	218576	48.388	ug/L 100
35) Methylcyclohexane	6.18	83	362257	50.435	ug/L 100
37) 1,2-Dichloropropane	6.23	63	248828	50.530	ug/L 100
38) Bromodichloromethane	6.56	83	303524	50.313	ug/L 100
39) cis-1,3-Dichloropropene	7.08	75	347648	50.182	ug/L 100
40) 4-Methyl-2-pentanone	7.29	43	598435	103.678	ug/L 100

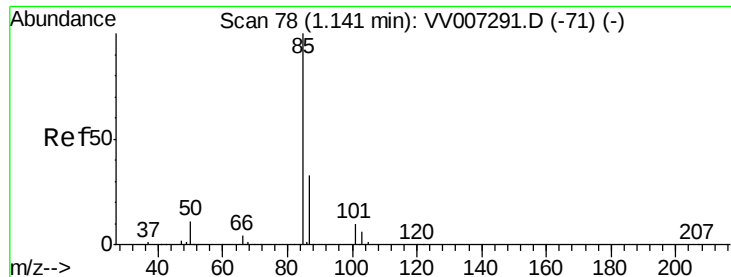
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 QLast Update : Fri Aug 31 23:38:48 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
42) Toluene	7.44	91	957927	53.156	ug/L	100
44) trans-1,3-Dichloropropene	7.70	75	324310	50.607	ug/L	100
45) 1,1,2-Trichloroethane	7.89	97	231663	50.667	ug/L	100
46) Tetrachloroethene	8.02	164	185777	49.822	ug/L	100
48) 2-Hexanone	8.20	43	493793	107.436	ug/L	100
49) Dibromochloromethane	8.30	129	242385	51.537	ug/L	100
50) 1,2-Dibromoethane	8.40	107	231570	50.346	ug/L	100
51) Chlorobenzene	8.93	112	611299	50.173	ug/L	100
52) Ethylbenzene	9.06	91	975599	52.047	ug/L	100
53) m,p-Xylene	9.19	106	377238	53.101	ug/L	100
54) o-xylene	9.59	106	362631	52.991	ug/L	100
55) Styrene	9.61	104	668587	56.614	ug/L	100
56) Isopropylbenzene	9.98	105	925014	52.961	ug/L	100
58) 1,1,2,2-Tetrachloroethane	10.29	83	375265	49.972	ug/L	100
59) 1,2,3-Trichloropropane	10.32	75	295637	49.291	ug/L	100
61) Bromoform	9.78	173	176151	50.587	ug/L	100
62) 1,3-Dichlorobenzene	11.23	146	419050	47.857	ug/L	100
63) 1,4-Dichlorobenzene	11.32	146	461676	48.734	ug/L	100
65) 1,2-Dichlorobenzene	11.70	146	471179	49.976	ug/L	100
66) 1,2-Dibromo-3-chloropropan	12.48	75	73594	53.506	ug/L	100
67) 1,3,5-Trichlorobenzene	12.70	180	326531	50.577	ug/L	100
68) 1,2,4-trichlorobenzene	13.31	180	259106	52.744	ug/L	100
69) Naphthalene	13.56	128	763716	55.306	ug/L	100
70) 1,2,3-Trichlorobenzene	13.80	180	298158	56.080	ug/L	100

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



#2

Dichlorodifluoromethane

Concen: 49.736 ug/L

RT: 1.14 min Scan# 78

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

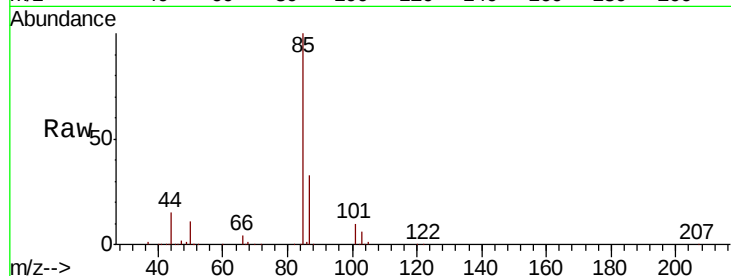
VSTD05073

Tgt Ion: 85 Resp: 244127

Ion Ratio Lower Upper

85 100

87 25.4 20.3 30.5



Abundance Ion 85.00 (84.70 to 85.70): VV007291.D (-71) (-)

Ion 87.00 (86.70 to 87.70): VV007291.D (-71) (-)

1.14

200000

150000

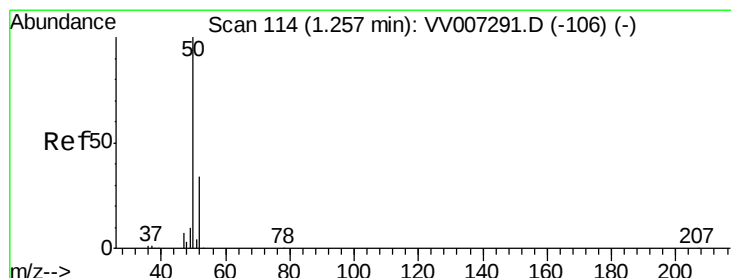
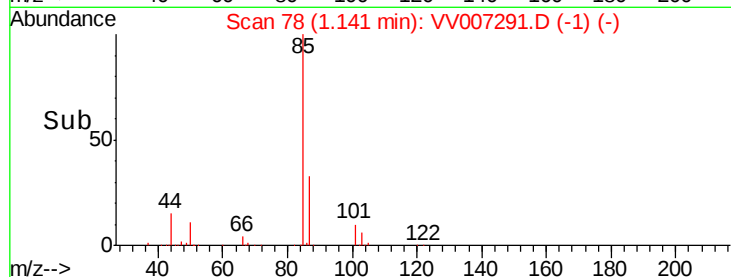
100000

50000

0

1.10 1.20 1.30

Time-->



#3

Chloromethane

Concen: 46.142 ug/L

RT: 1.26 min Scan# 114

Delta R.T. 0.00 min

Lab File: VV007291.D

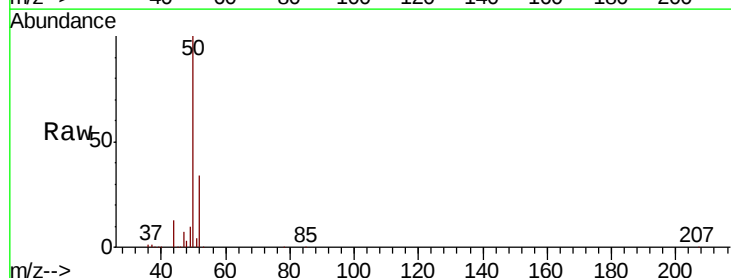
Acq: 31 Aug 2018 10:32

Tgt Ion: 50 Resp: 266295

Ion Ratio Lower Upper

50 100

52 33.7 23.6 43.8



Abundance Ion 50.00 (49.70 to 50.70): VV007291.D (-106) (-)

Ion 52.00 (51.70 to 52.70): VV007291.D (-106) (-)

1.26

200000

150000

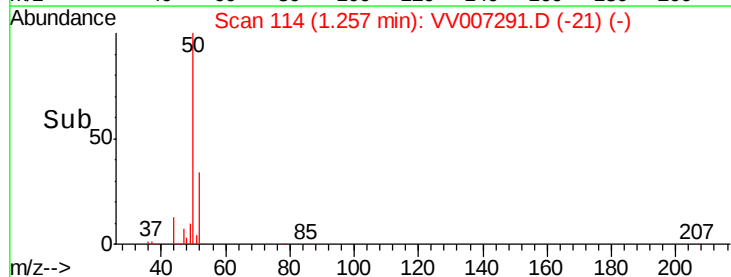
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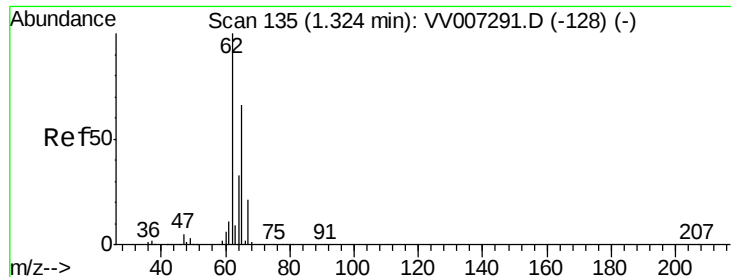
50000

0

1.20 1.25 1.30

Time-->





#5

Vinyl chloride

Concen: 49.323 ug/L

RT: 1.32 min Scan# 135

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

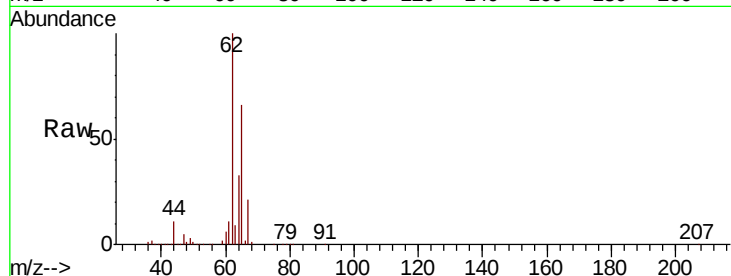
VSTD05073

Tgt Ion: 62 Resp: 254084

Ion Ratio Lower Upper

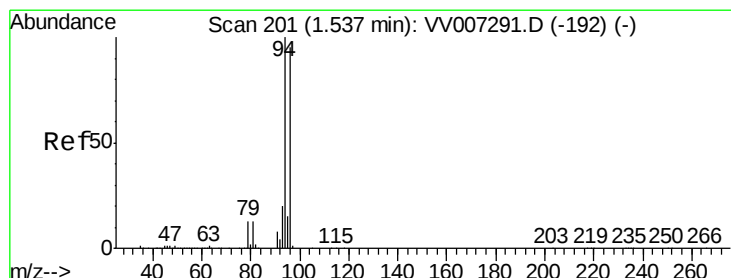
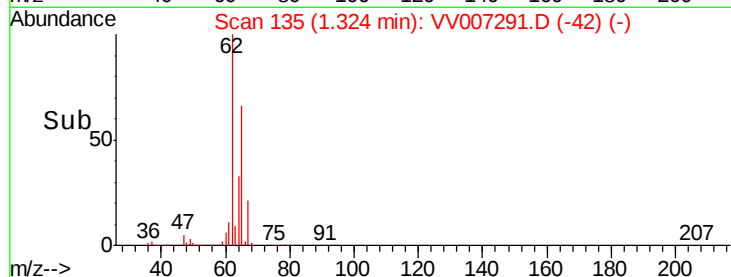
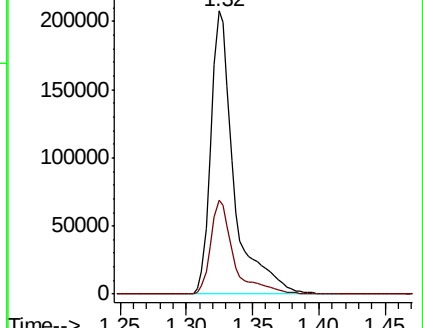
62 100

64 33.1 23.2 43.0



Abundance Ion 62.00 (61.70 to 62.70): VV007291.D (-128) (-)

Ion 64.00 (63.70 to 64.70): VV007291.D (-128) (-)



#6

Bromomethane

Concen: 66.555 ug/L

RT: 1.54 min Scan# 201

Delta R.T. 0.00 min

Lab File: VV007291.D

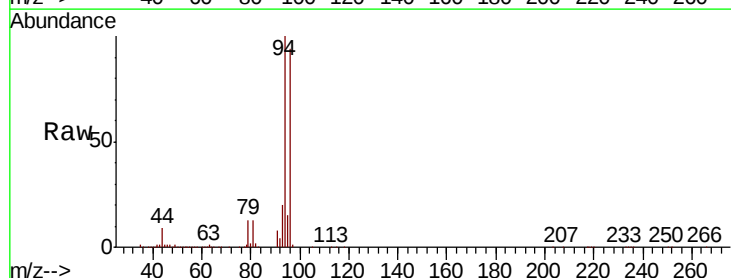
Acq: 31 Aug 2018 10:32

Tgt Ion: 94 Resp: 120289

Ion Ratio Lower Upper

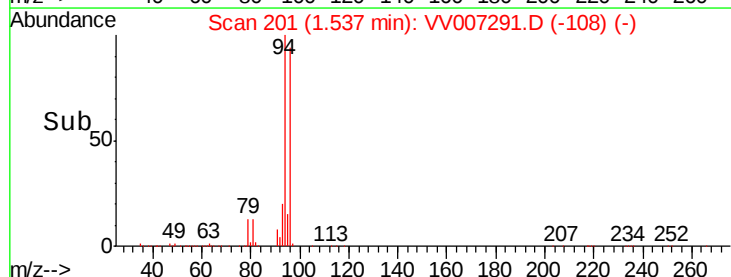
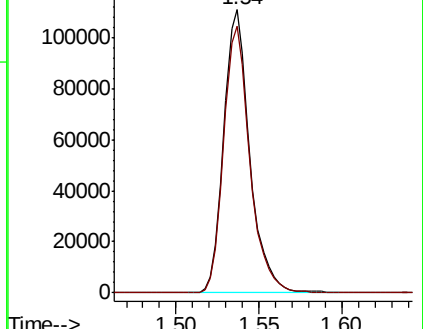
94 100

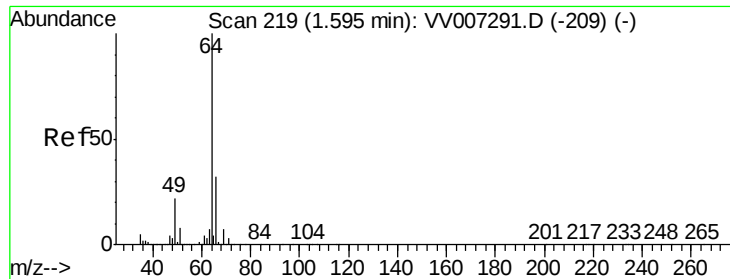
96 94.4 66.1 122.7



Abundance Ion 94.00 (93.70 to 94.70): VV007291.D (-192) (-)

Ion 96.00 (95.70 to 96.70): VV007291.D (-192) (-)

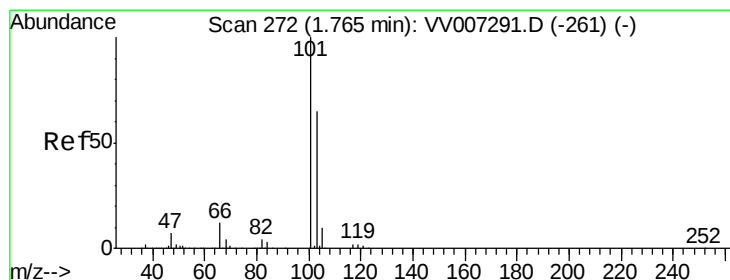
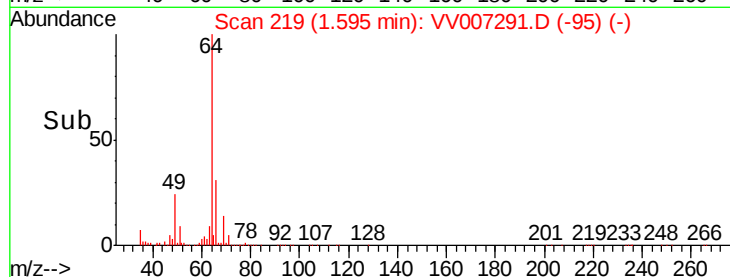
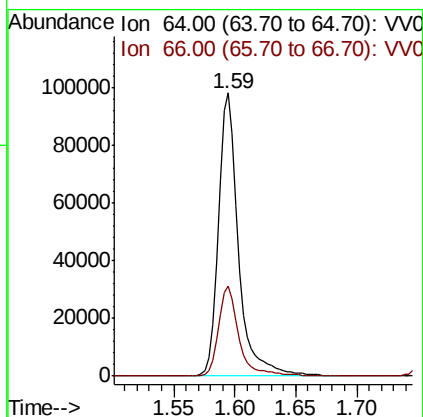
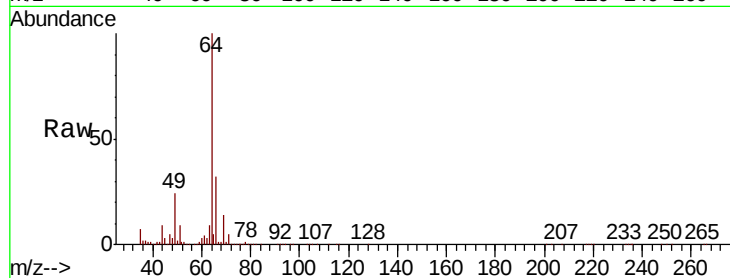




#8
Chloroethane
Concen: 38.938 ug/L
RT: 1.59 min Scan# 219
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

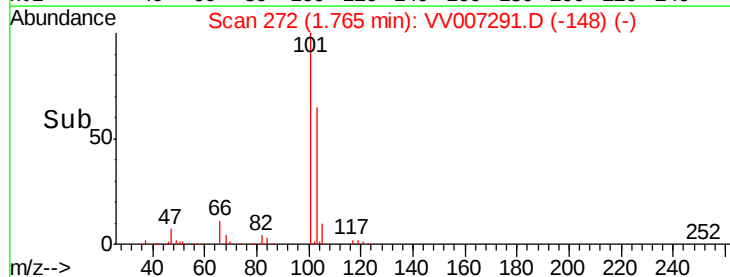
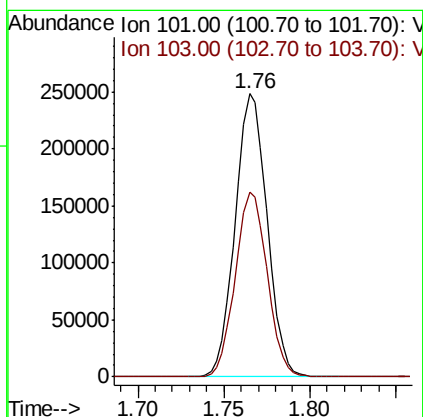
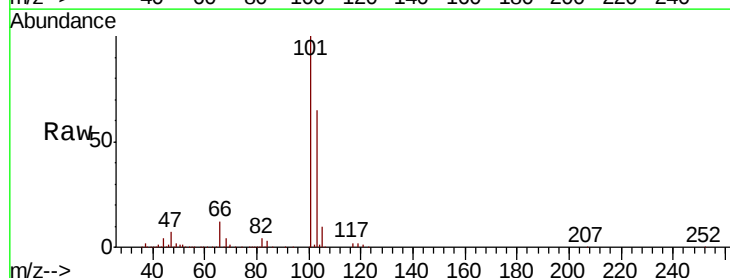
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

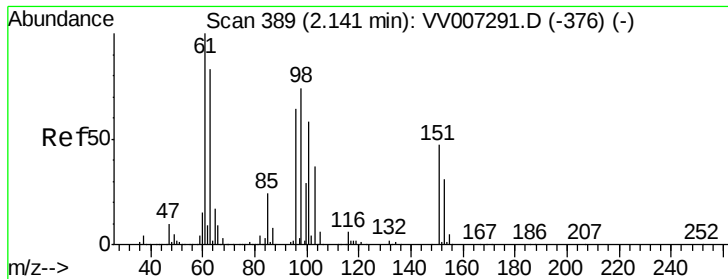
Tgt Ion: 64 Resp: 113196
Ion Ratio Lower Upper
64 100
66 31.8 22.3 41.3



#9
Trichlorofluoromethane
Concen: 49.159 ug/L
RT: 1.76 min Scan# 272
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Tgt Ion: 101 Resp: 320938
Ion Ratio Lower Upper
101 100
103 65.4 52.3 78.5





#10

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

Concen: 49.745 ug/L

RT: 2.14 min Scan# 389

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

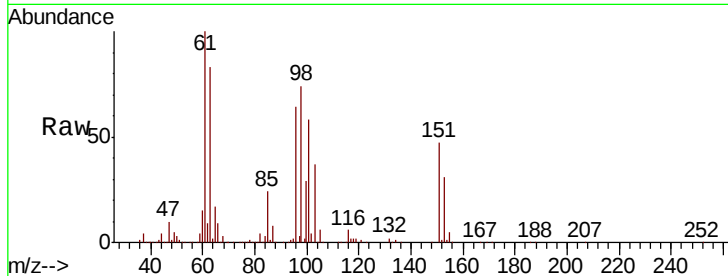
Tgt Ion: 101 Resp: 198331

Ion Ratio Lower Upper

101 100

85 41.0 32.8 49.2

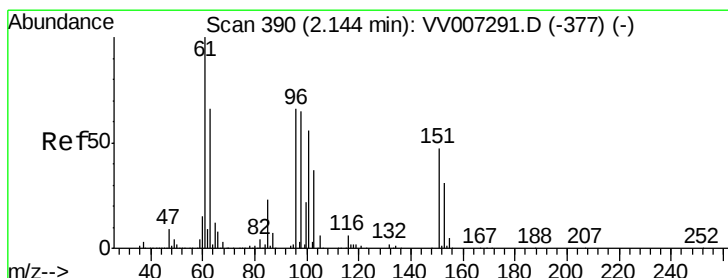
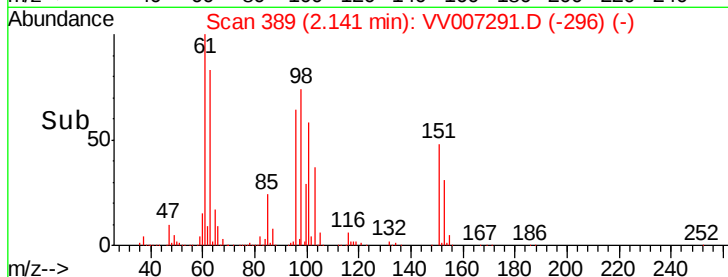
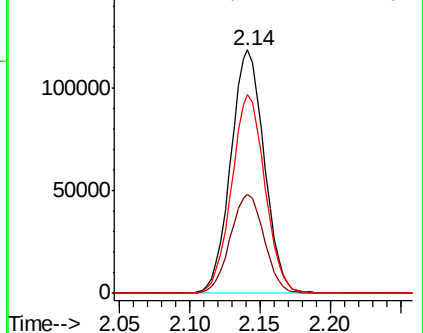
151 81.0 64.8 97.2



Abundance Ion 101.00 (100.70 to 101.70): VV007291.D (-376) (-)

Ion 85.00 (84.70 to 85.70): VV007291.D (-376) (-)

Ion 151.00 (150.70 to 151.70): VV007291.D (-376) (-)



#12

1,1-Dichloroethene

Concen: 49.252 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

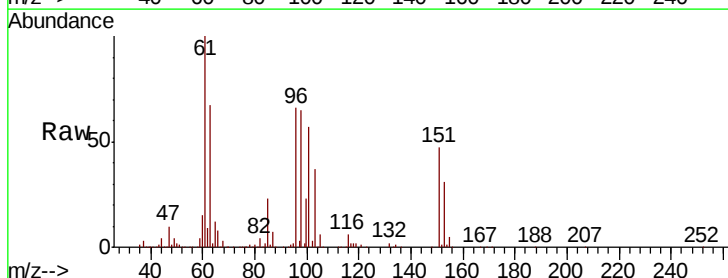
Tgt Ion: 96 Resp: 187294

Ion Ratio Lower Upper

96 100

61 151.9 106.3 197.5

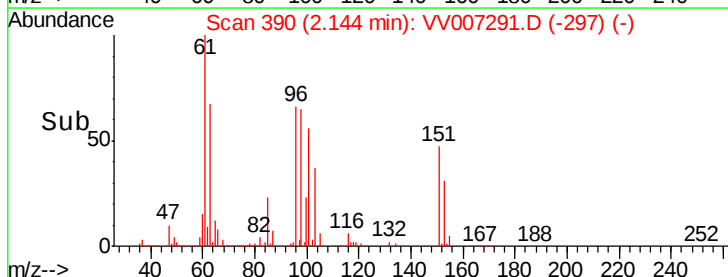
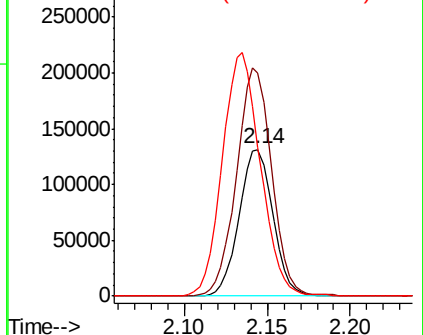
63 101.4 71.0 131.8

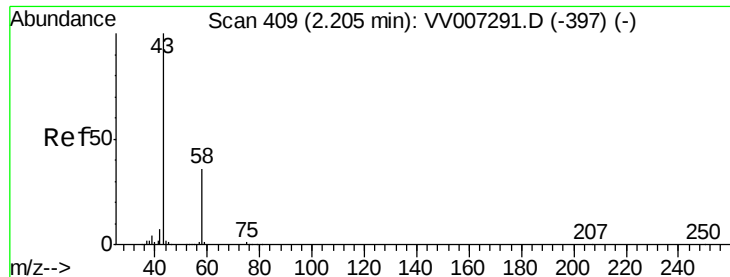


Abundance Ion 96.00 (95.70 to 96.70): VV007291.D (-377) (-)

Ion 61.00 (60.70 to 61.70): VV007291.D (-377) (-)

Ion 63.00 (62.70 to 63.70): VV007291.D (-377) (-)





#13

Acetone

Concen: 111.736 ug/L

RT: 2.21 min Scan# 409

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

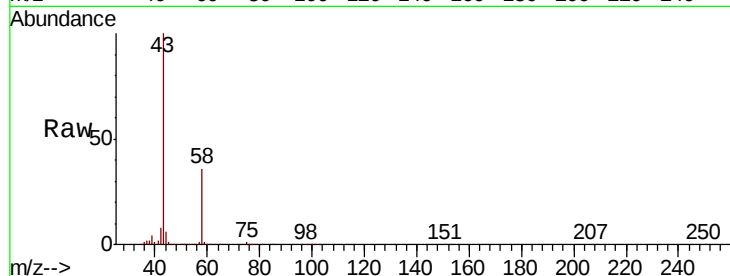
VSTD05073

Tgt Ion: 43 Resp: 272803

Ion Ratio Lower Upper

43 100

58 36.1 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) (-)

2.21

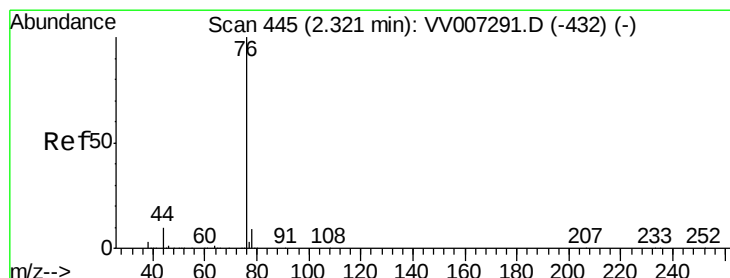
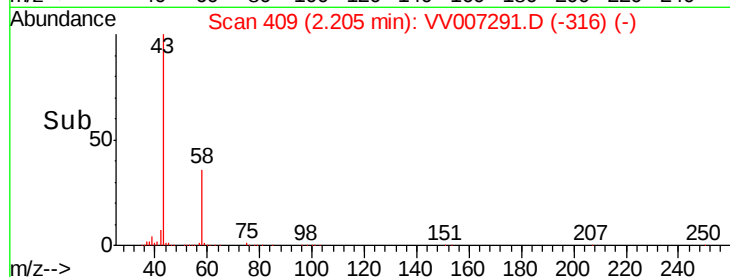
150000

100000

50000

0

Time--> 2.10 2.20 2.30



#14

Carbon disulfide

Concen: 47.203 ug/L

RT: 2.32 min Scan# 445

Delta R.T. 0.00 min

Lab File: VV007291.D

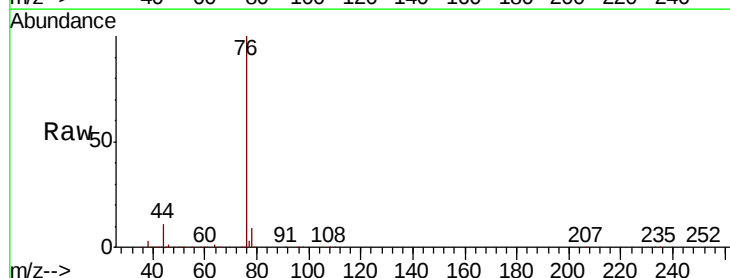
Acq: 31 Aug 2018 10:32

Tgt Ion: 76 Resp: 547710

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

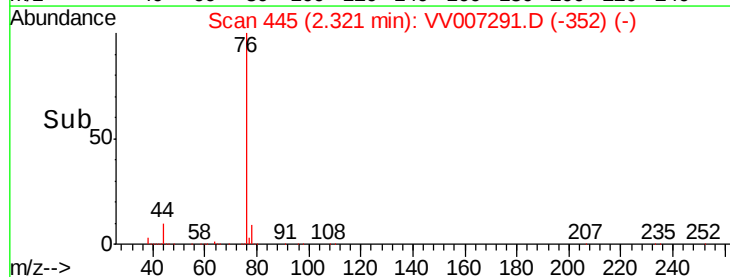
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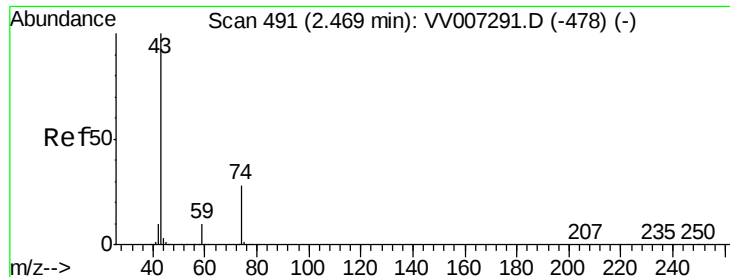
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100000

0

Time--> 2.25 2.30 2.35 2.40 2.45

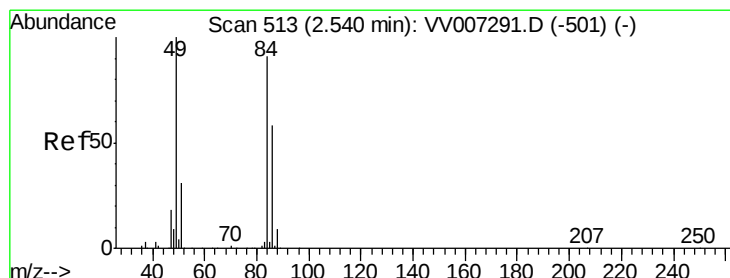
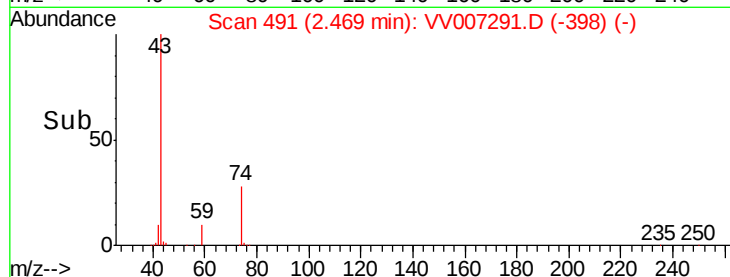
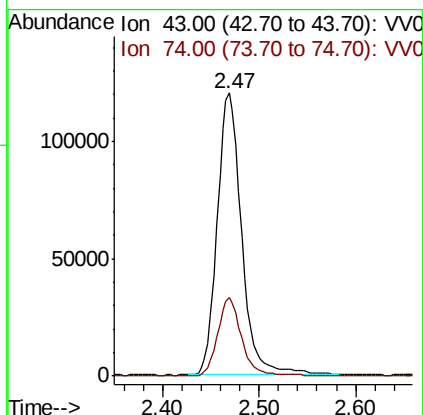
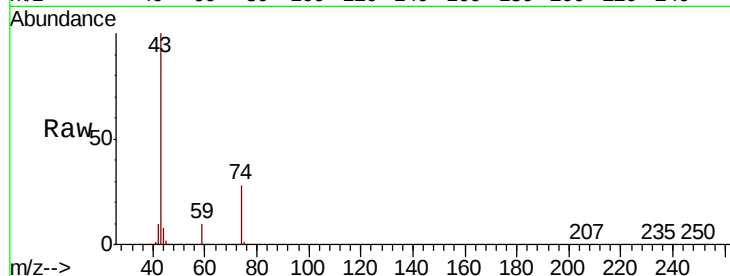




#15
Methyl Acetate
Concen: 49.845 ug/L
RT: 2.47 min Scan# 491
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

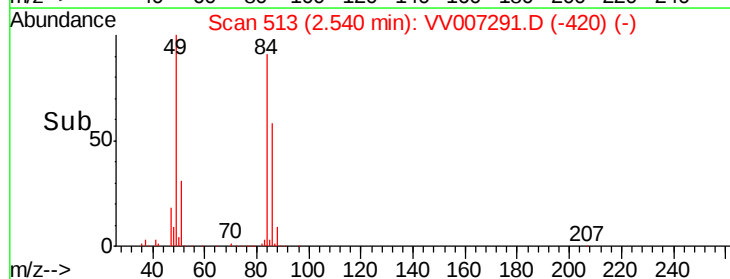
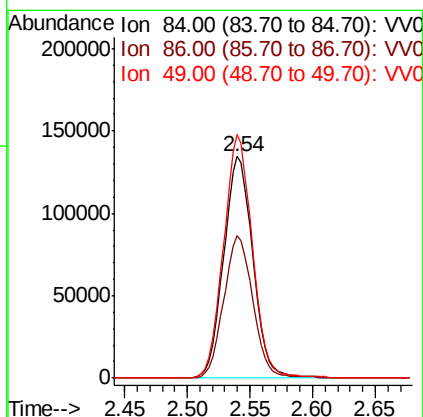
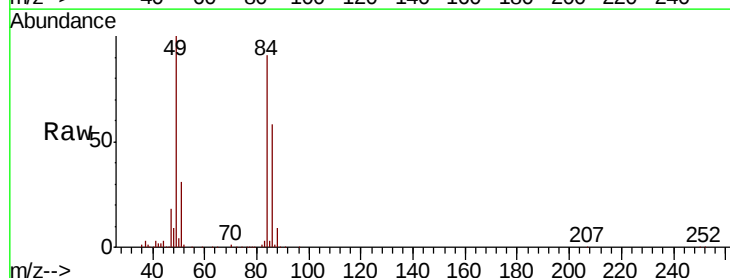
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

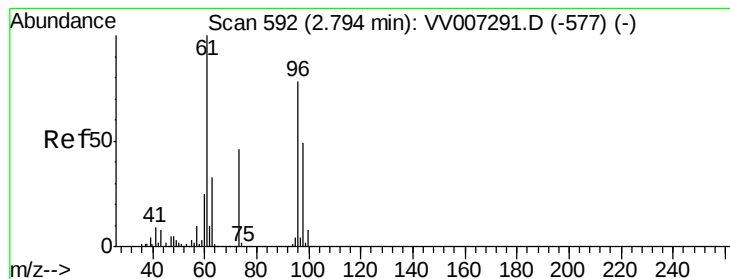
Tgt Ion: 43 Resp: 211008
Ion Ratio Lower Upper
43 100
74 26.8 21.4 32.2



#16
Methylene chloride
Concen: 50.249 ug/L
RT: 2.54 min Scan# 513
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Tgt Ion: 84 Resp: 217118
Ion Ratio Lower Upper
84 100
86 64.1 44.9 83.3
49 110.0 77.0 143.0





#17

trans-1,2-Dichloroethene

Concen: 49.384 ug/L

RT: 2.79 min Scan# 592

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

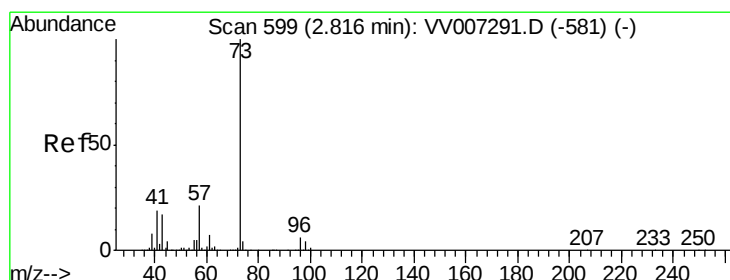
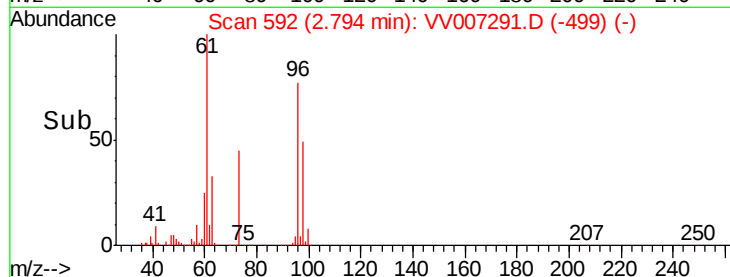
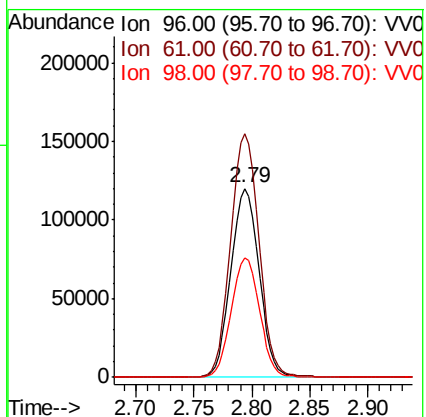
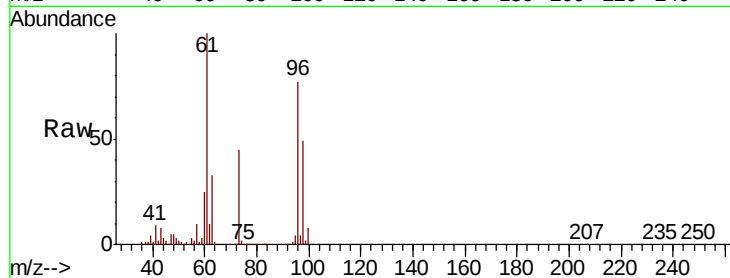
Tgt Ion: 96 Resp: 202958

Ion Ratio Lower Upper

96 100

61 129.1 90.4 167.8

98 63.1 44.2 82.0



#18

Methyl tert-butyl Ether

Concen: 50.608 ug/L

RT: 2.82 min Scan# 599

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

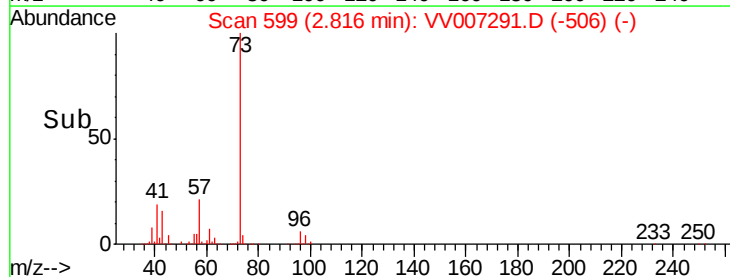
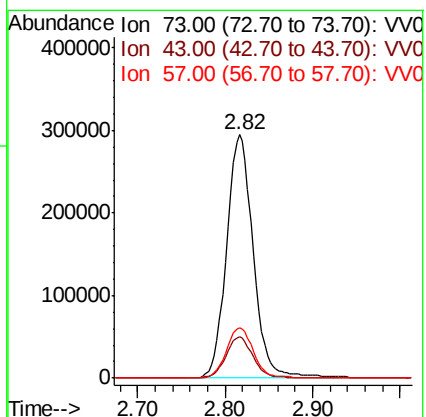
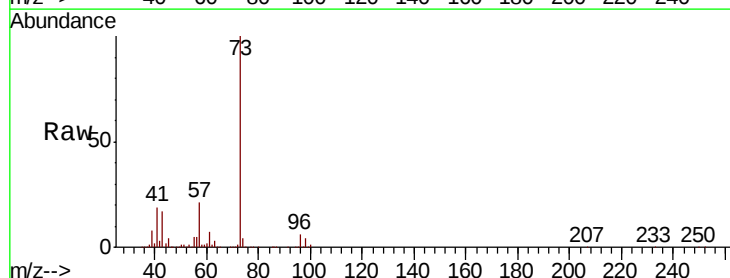
Tgt Ion: 73 Resp: 623495

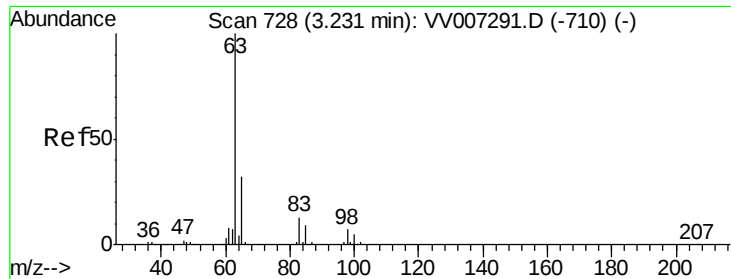
Ion Ratio Lower Upper

73 100

43 16.8 13.4 20.2

57 21.0 16.8 25.2

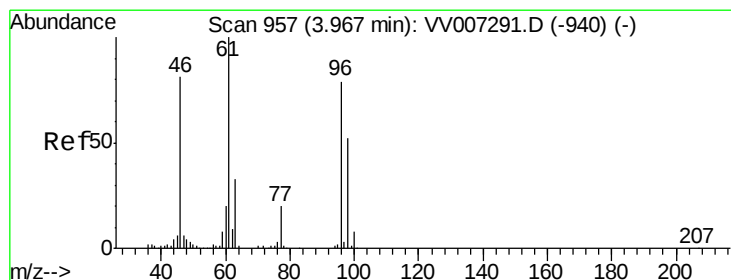
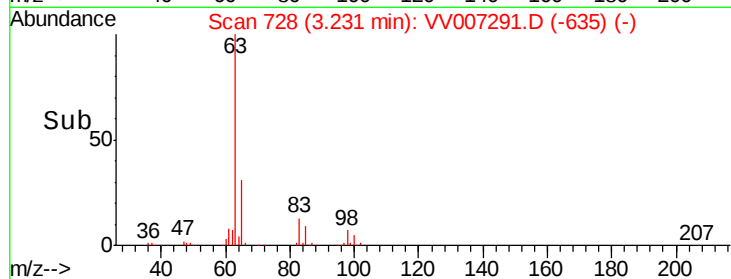
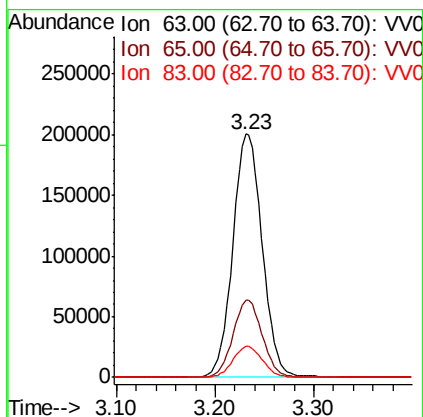
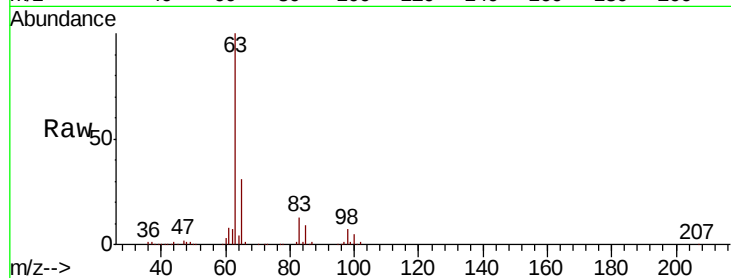




#19
 1,1-Dichloroethane
 Concen: 49.729 ug/L
 RT: 3.23 min Scan# 728
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

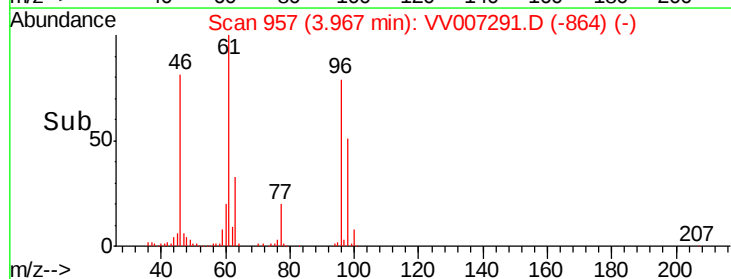
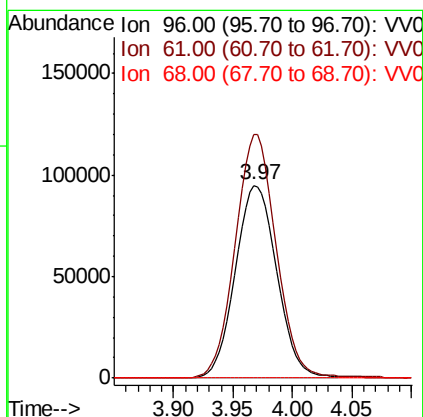
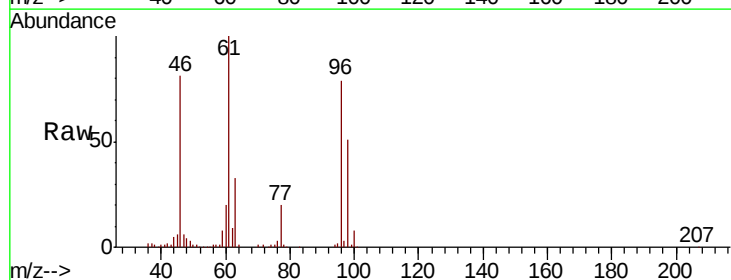
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05073

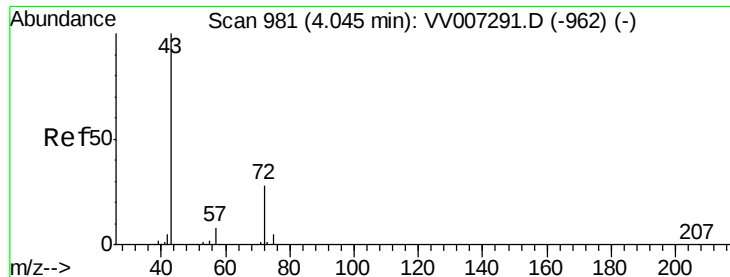
Tgt Ion: 63 Resp: 415007
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.0 41.0
 83 12.6 8.8 16.4



#20
 cis-1,2-Dichloroethene
 Concen: 48.146 ug/L
 RT: 3.97 min Scan# 957
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion: 96 Resp: 229711
 Ion Ratio Lower Upper
 96 100
 61 126.3 88.4 164.2
 68 0.0 0.0 0.0





#22

2-Butanone

Concen: 102.609 ug/L

RT: 4.04 min Scan# 981

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampled :

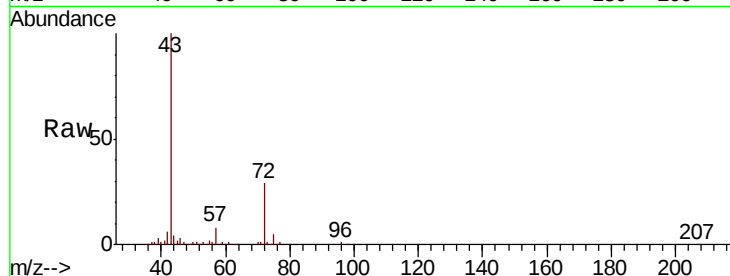
VSTD05073

Tgt Ion: 43 Resp: 381497

Ion Ratio Lower Upper

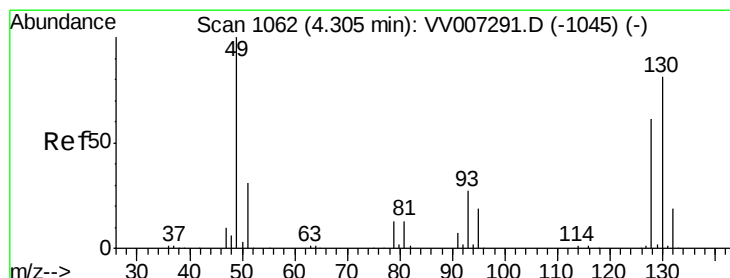
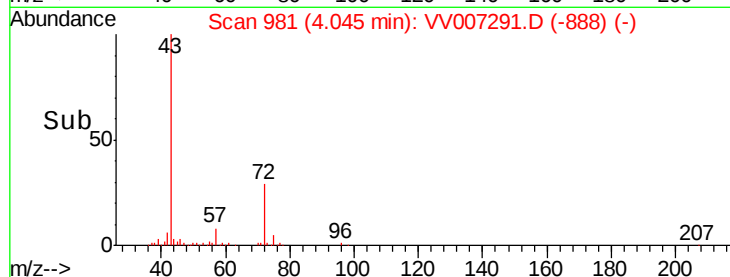
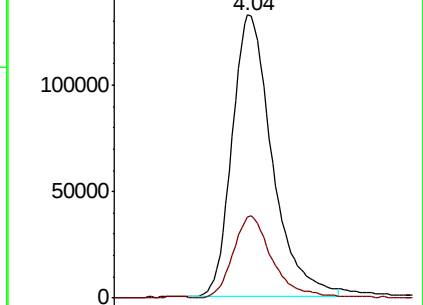
43 100

72 28.1 14.1 42.2



Abundance Ion 43.00 (42.70 to 43.70): VV007291.D (-962) (-)

Ion 72.00 (71.70 to 72.70): VV007291.D (-962) (-)



#23

Bromochloromethane

Concen: 49.454 ug/L

RT: 4.30 min Scan# 1062

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Tgt Ion: 128 Resp: 120842

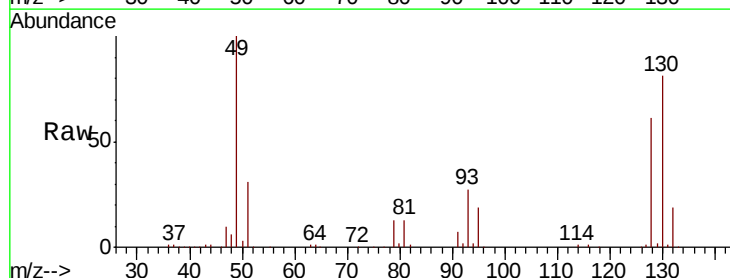
Ion Ratio Lower Upper

128 100

49 165.2 115.6 214.8

130 133.8 93.7 173.9

51 51.6 41.3 61.9

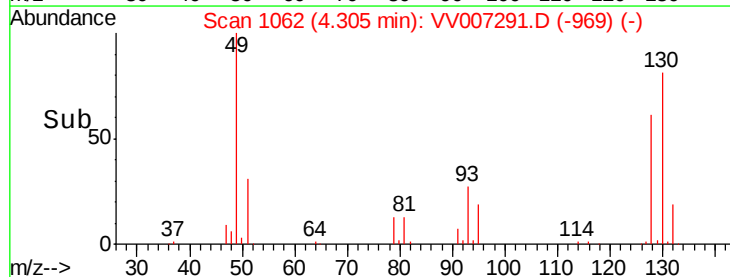
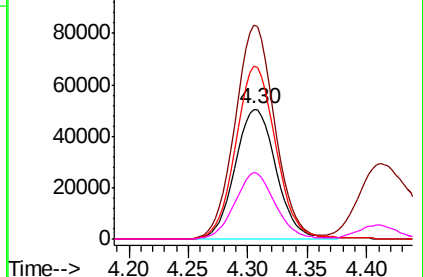


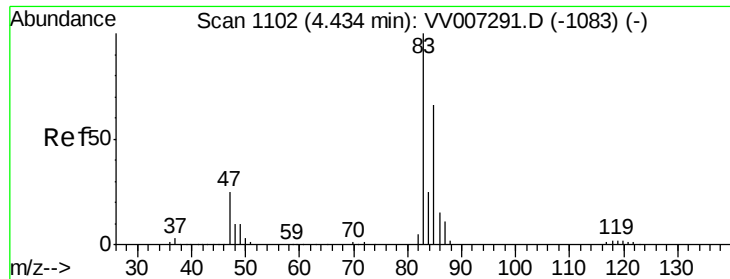
Abundance Ion 128.00 (127.70 to 128.70): VV007291.D (-1045) (-)

Ion 49.00 (48.70 to 49.70): VV007291.D (-1045) (-)

Ion 130.00 (129.70 to 130.70): VV007291.D (-1045) (-)

Ion 51.00 (50.70 to 51.70): VV007291.D (-1045) (-)

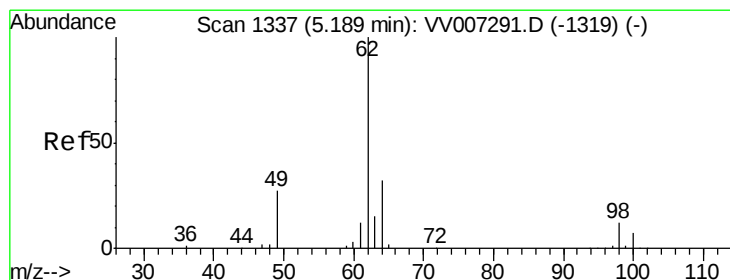
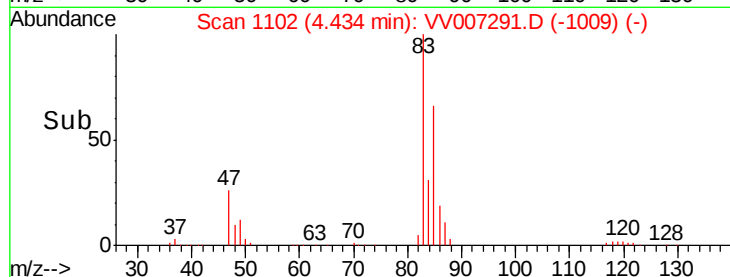
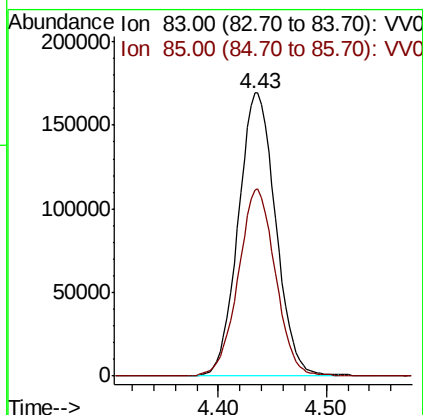
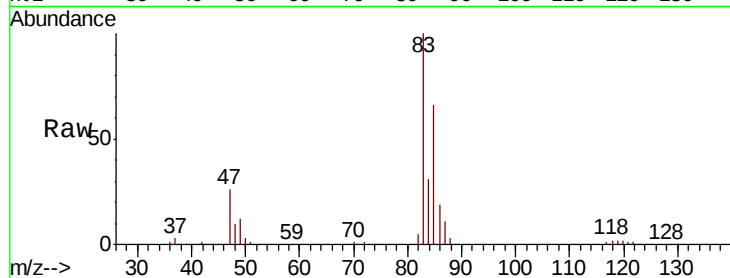




#25
Chloroform
Concen: 49.859 ug/L
RT: 4.43 min Scan# 1102
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

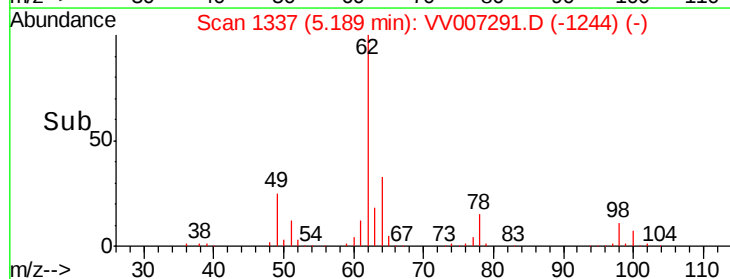
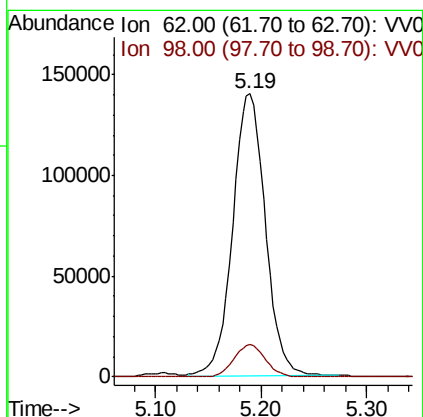
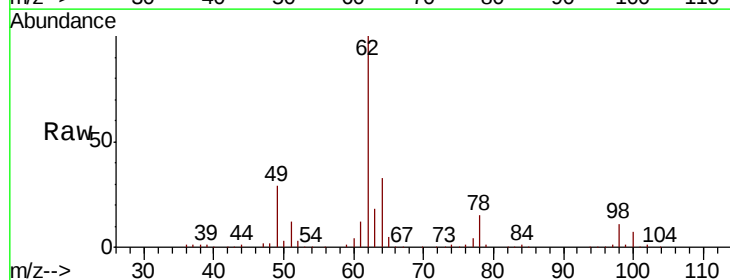
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

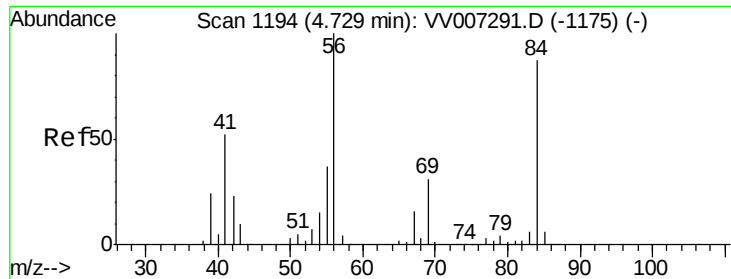
Tgt Ion: 83 Resp: 407790
Ion Ratio Lower Upper
83 100
85 65.9 46.1 85.7



#27
1,2-Dichloroethane
Concen: 49.768 ug/L
RT: 5.19 min Scan# 1337
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Tgt Ion: 62 Resp: 301244
Ion Ratio Lower Upper
62 100
98 11.4 9.1 13.7

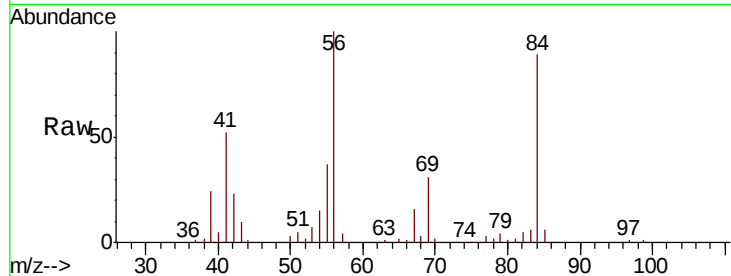




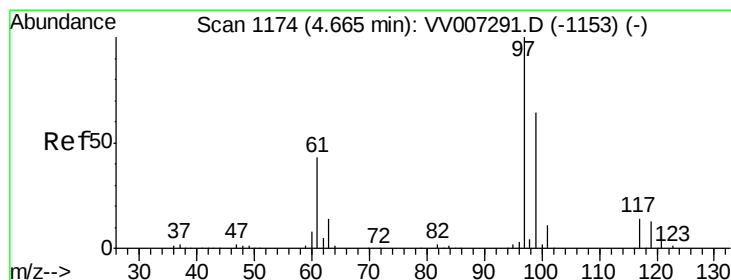
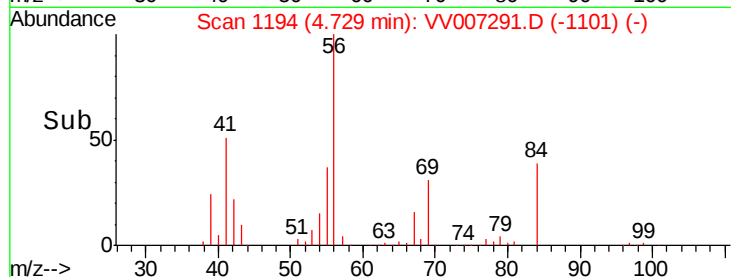
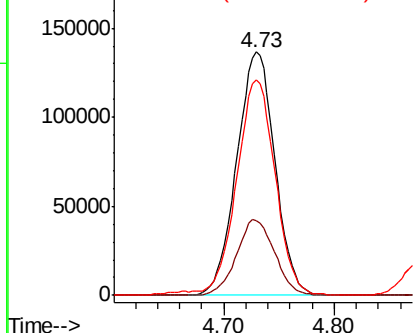
#29
Cyclohexane
Concen: 48.477 ug/L
RT: 4.73 min Scan# 1194
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

Tgt Ion: 56 Resp: 328316
Ion Ratio Lower Upper
56 100
69 30.9 24.7 37.1
84 88.5 70.8 106.2

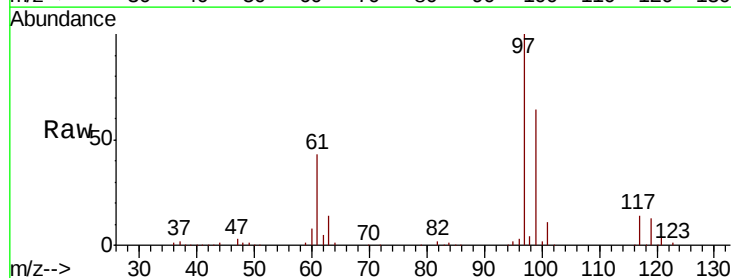


Abundance Ion 56.00 (55.70 to 56.70): VV0
Ion 69.00 (68.70 to 69.70): VV0
Ion 84.00 (83.70 to 84.70): VV0

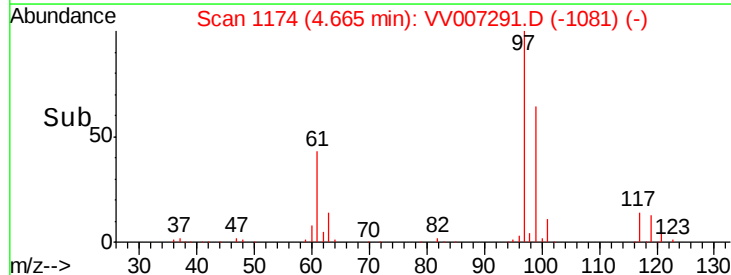
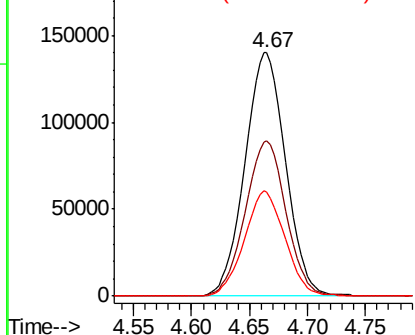


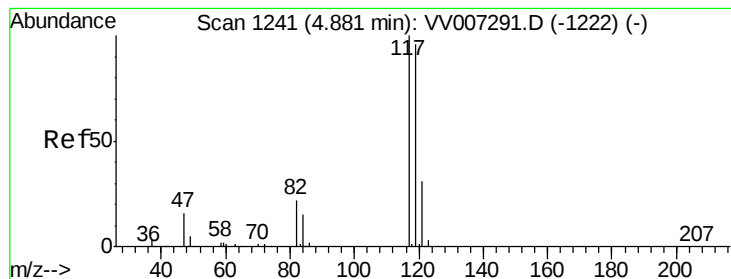
#30
1,1,1-Trichloroethane
Concen: 49.629 ug/L
RT: 4.67 min Scan# 1174
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Tgt Ion: 97 Resp: 341195
Ion Ratio Lower Upper
97 100
99 64.2 51.4 77.0
61 43.2 34.6 51.8



Abundance Ion 97.00 (96.70 to 97.70): VV0
Ion 99.00 (98.70 to 99.70): VV0
Ion 61.05 (60.75 to 61.75): VV0





#31

Carbon tetrachloride

Concen: 50.030 ug/L

RT: 4.88 min Scan# 1241

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

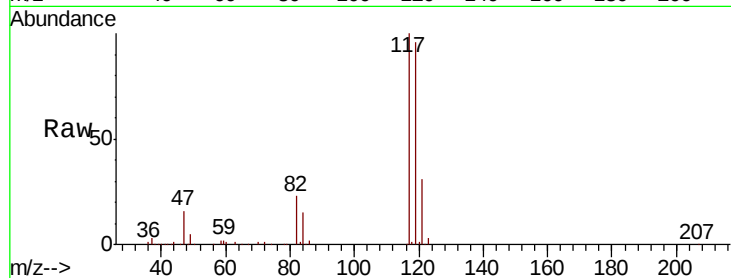
VSTD05073

Tgt Ion:117 Resp: 295274

Ion Ratio Lower Upper

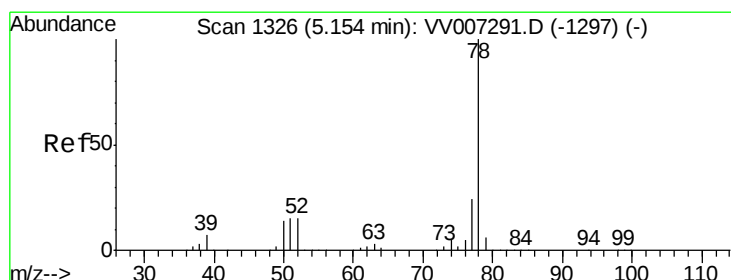
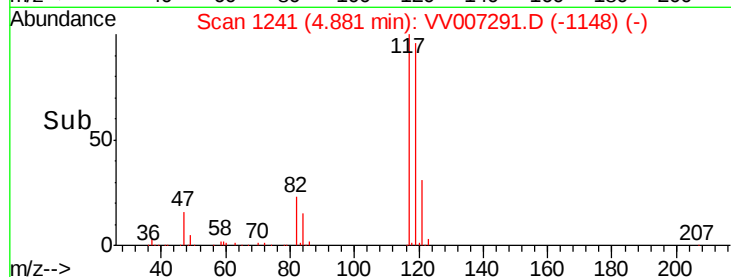
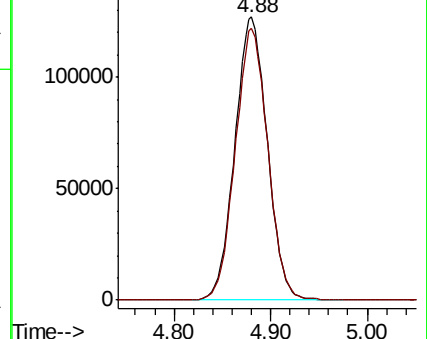
117 100

119 96.4 77.1 115.7



Abundance Ion 117.00 (116.70 to 117.70): V

Ion 119.00 (118.70 to 119.70): V



#33

Benzene

Concen: 50.594 ug/L

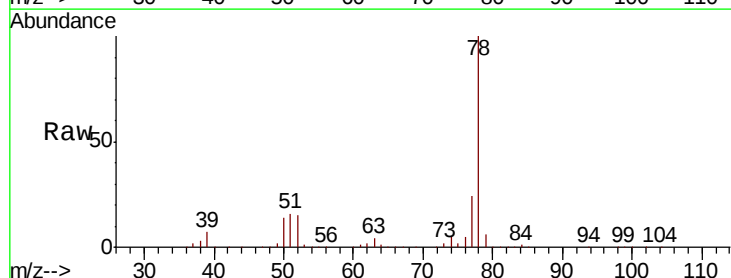
RT: 5.15 min Scan# 1326

Delta R.T. 0.00 min

Lab File: VV007291.D

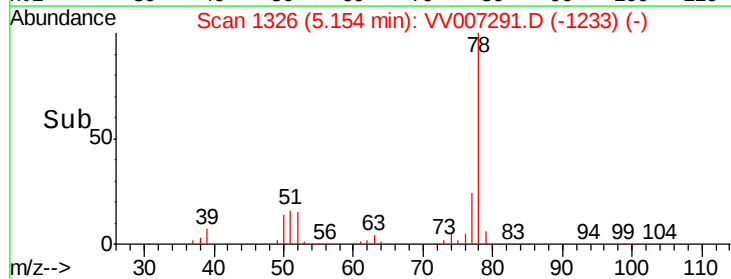
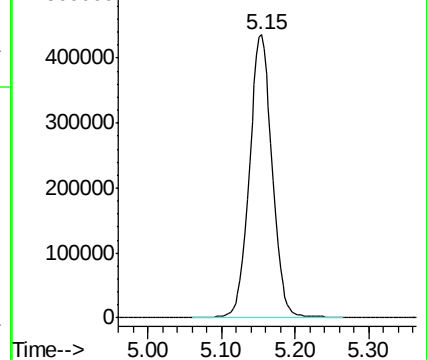
Acq: 31 Aug 2018 10:32

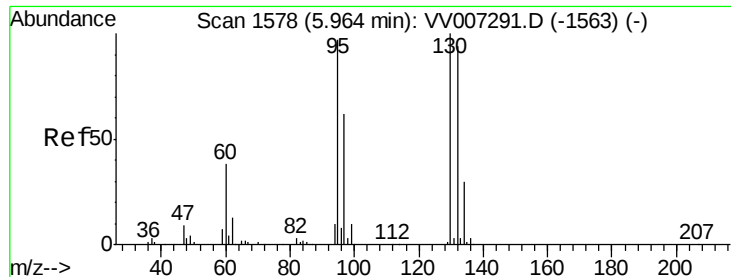
Tgt Ion: 78 Resp: 939216



Abundance Ion 78.00 (77.70 to 78.70): VV0

5.15

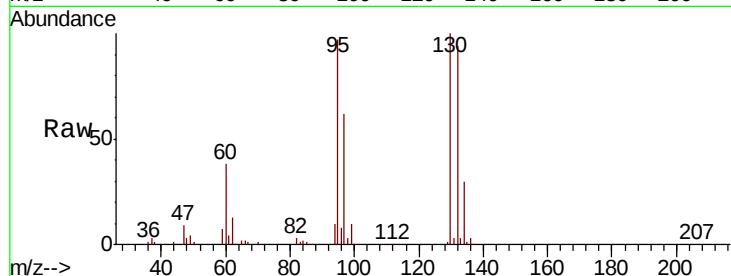




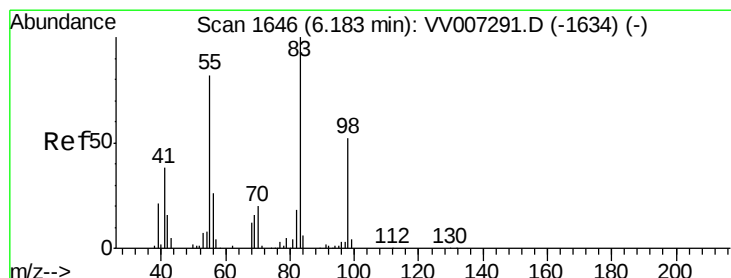
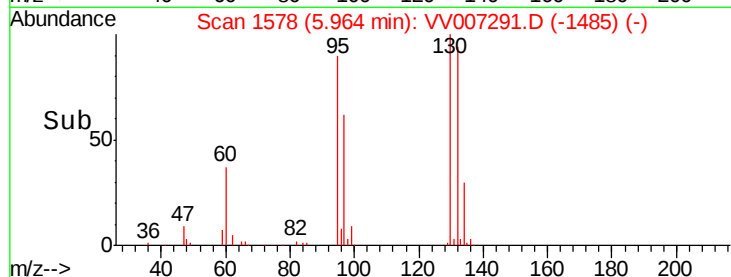
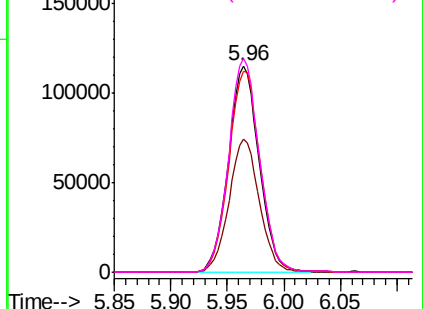
#34
 Trichloroethene
 Concen: 48.388 ug/L
 RT: 5.96 min Scan# 1578
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion:	95	Resp:	218576
Ion	Ratio	Lower	Upper
95	100		
97	64.5	45.1	83.9
132	97.6	68.3	126.9
130	103.5	72.4	134.5

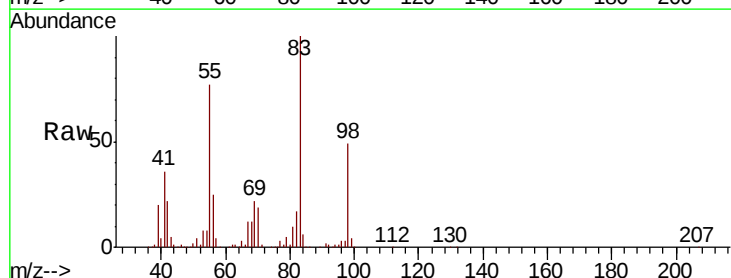


Abundance Ion 95.00 (94.70 to 95.70): VV0
 Ion 97.00 (96.70 to 97.70): VV0
 Ion 132.00 (131.70 to 132.70): VV0
 Ion 130.00 (129.70 to 130.70): VV0

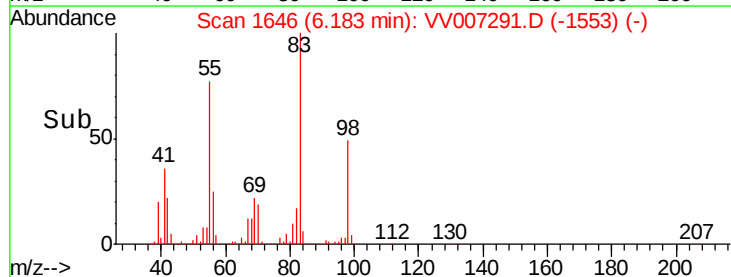
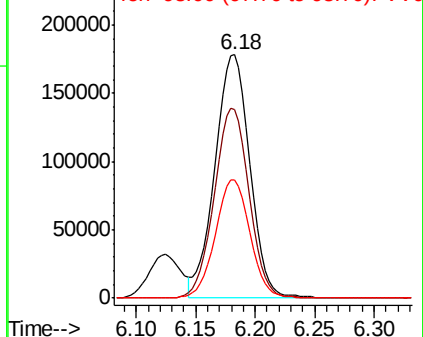


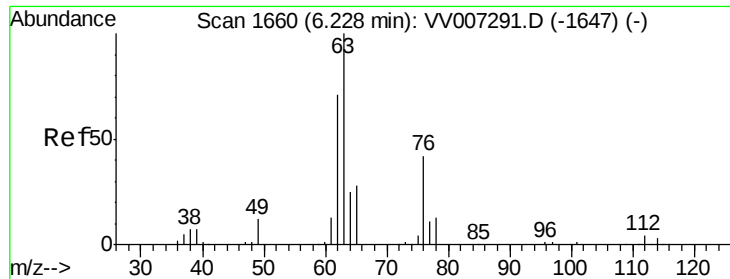
#35
 Methylcyclohexane
 Concen: 50.435 ug/L
 RT: 6.18 min Scan# 1646
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion:	83	Resp:	362257
Ion	Ratio	Lower	Upper
83	100		
55	78.0	62.4	93.6
98	48.7	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

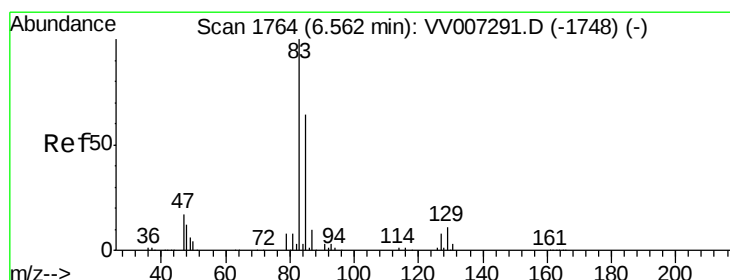
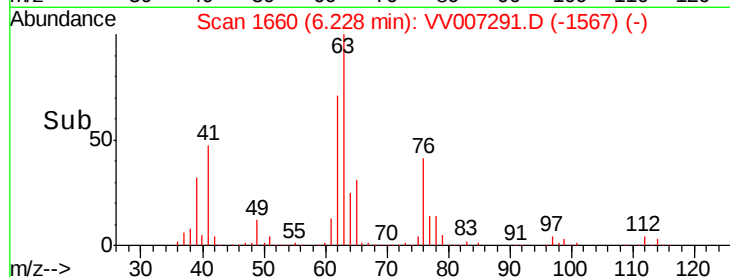
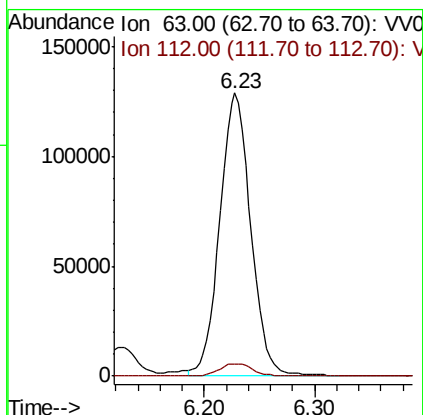
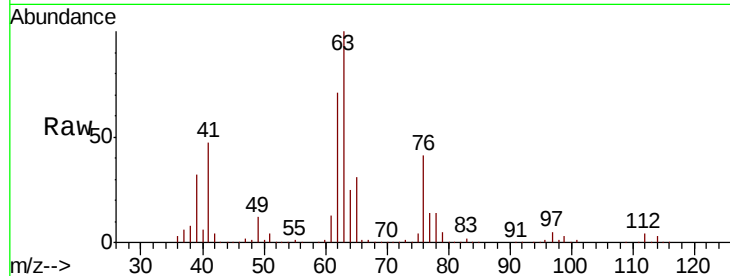




#37
 1,2-Dichloropropane
 Concen: 50.530 ug/L
 RT: 6.23 min Scan# 1660
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

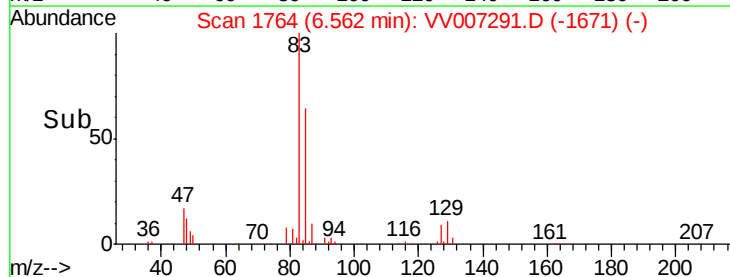
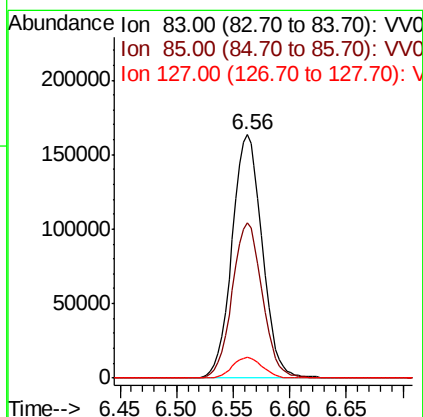
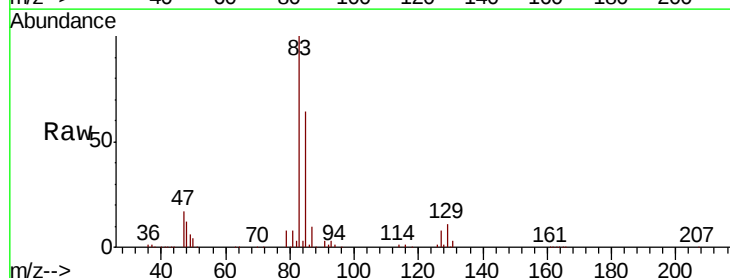
Instrument :
 MSVOA_V
 ClientSampled :
 VSTD05073

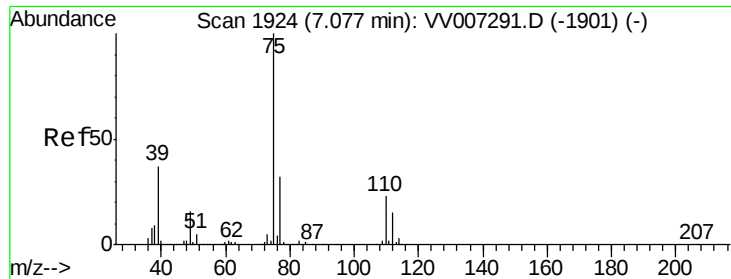
Tgt Ion: 63 Resp: 248828
 Ion Ratio Lower Upper
 63 100
 112 4.8 3.8 5.8



#38
 Bromodichloromethane
 Concen: 50.313 ug/L
 RT: 6.56 min Scan# 1764
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion: 83 Resp: 303524
 Ion Ratio Lower Upper
 83 100
 85 63.5 44.4 82.5
 127 8.5 6.8 10.2

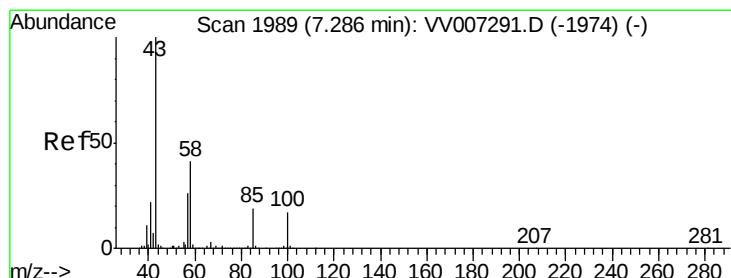
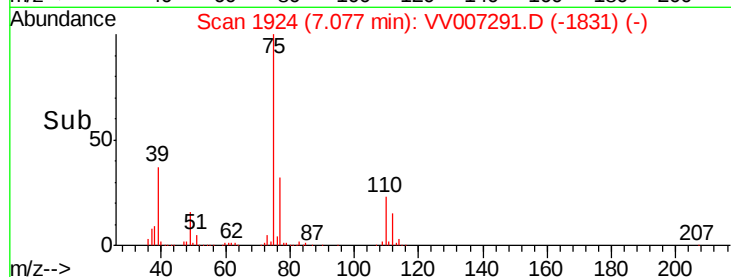
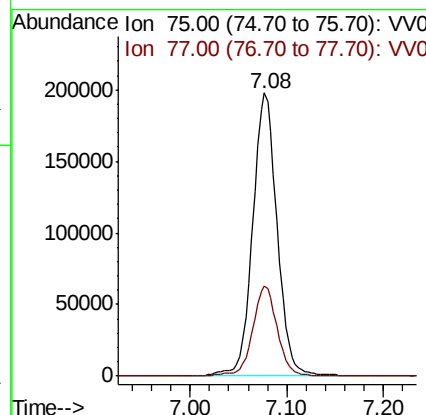
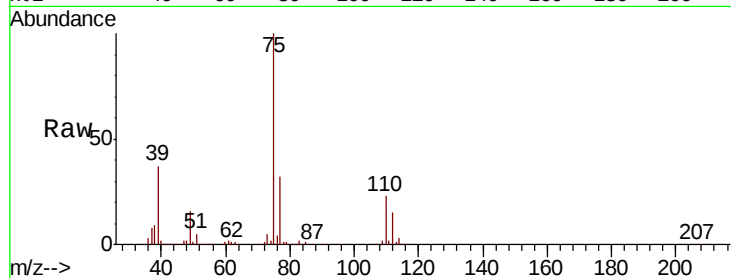




#39
 cis-1,3-Dichloropropene
 Concen: 50.182 ug/L
 RT: 7.08 min Scan# 1924
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

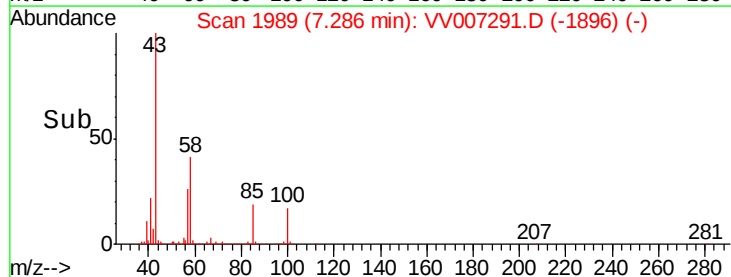
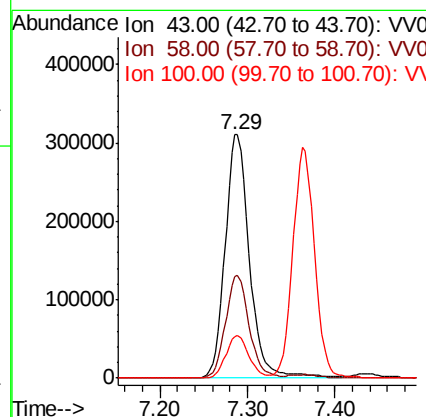
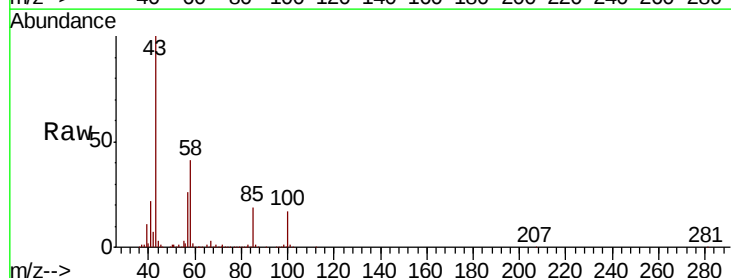
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

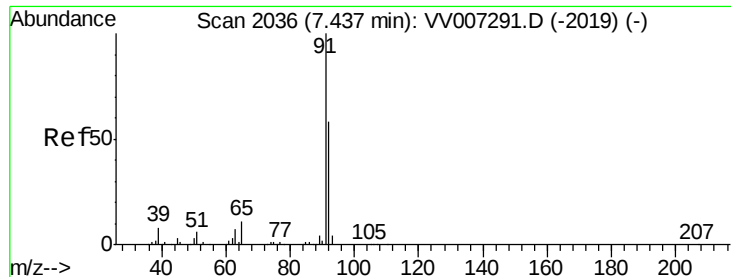
Tgt Ion: 75 Resp: 347648
 Ion Ratio Lower Upper
 75 100
 77 31.8 22.3 41.3



#40
 4-Methyl-2-pentanone
 Concen: 103.678 ug/L
 RT: 7.29 min Scan# 1989
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion: 43 Resp: 598435
 Ion Ratio Lower Upper
 43 100
 58 40.8 32.6 49.0
 100 16.7 13.4 20.0





#42

Toluene

Concen: 53.156 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

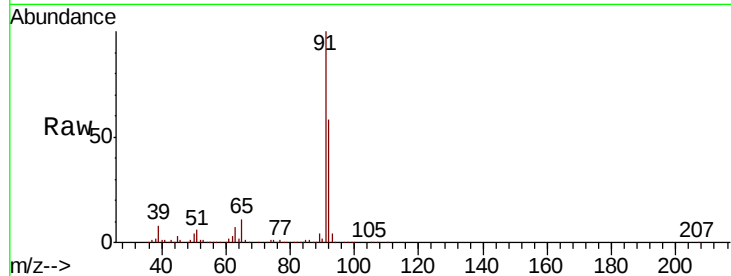
VSTD05073

Tgt Ion: 91 Resp: 957927

Ion Ratio Lower Upper

91 100

92 58.2 40.7 75.7



Abundance Ion 91.00 (90.70 to 91.70): VV007291.D (-2019) (-)

Ion 92.00 (91.70 to 92.70): VV007291.D (-2019) (-)

7.44

600000

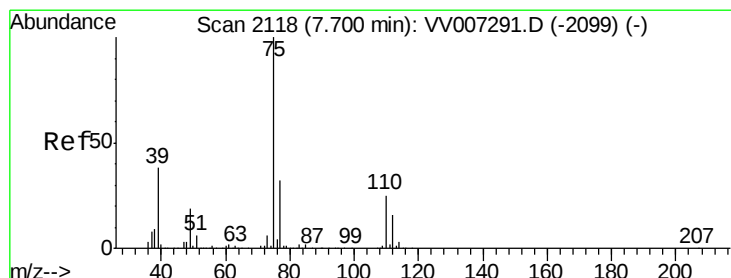
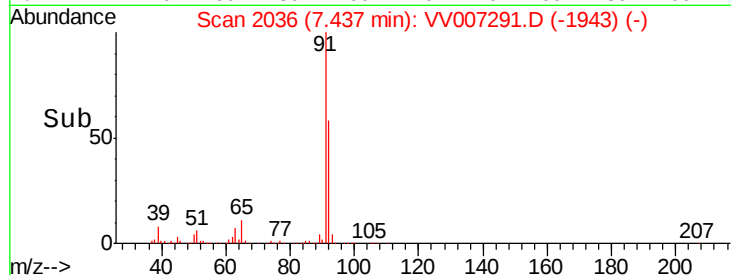
400000

200000

0

7.40 7.50

Time-->



#44

trans-1,3-Dichloropropene

Concen: 50.607 ug/L

RT: 7.70 min Scan# 2118

Delta R.T. 0.00 min

Lab File: VV007291.D

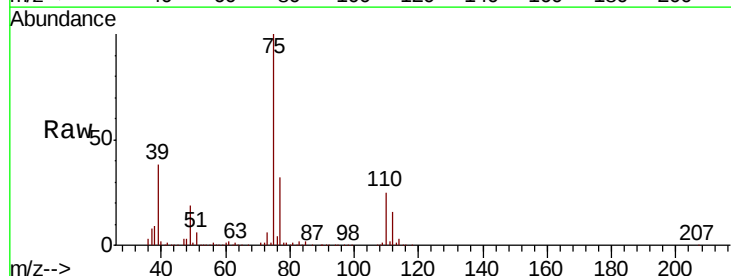
Acq: 31 Aug 2018 10:32

Tgt Ion: 75 Resp: 324310

Ion Ratio Lower Upper

75 100

77 32.4 22.7 42.1



Abundance Ion 75.00 (74.70 to 75.70): VV007291.D (-2099) (-)

Ion 77.00 (76.70 to 77.70): VV007291.D (-2099) (-)

7.70

200000

150000

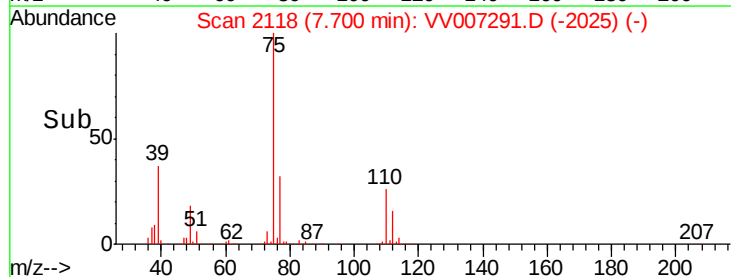
100000

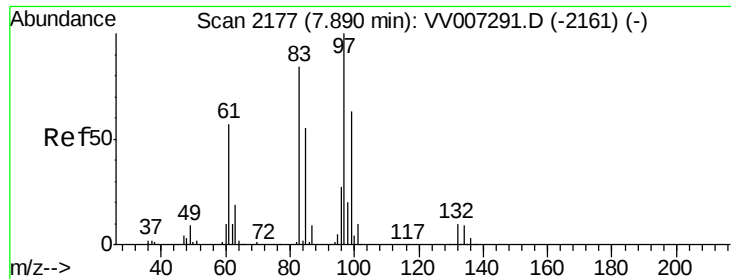
50000

0

7.60 7.70 7.80

Time-->

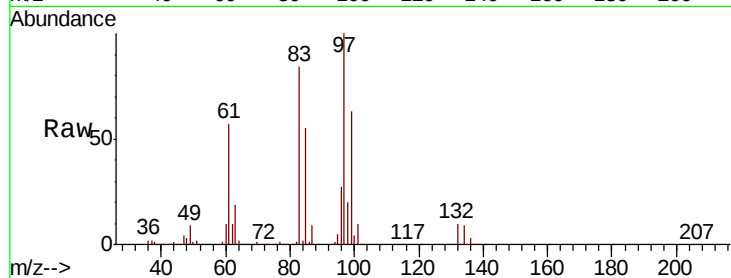




#45
 1,1,2-Trichloroethane
 Concen: 50.667 ug/L
 RT: 7.89 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion:	97	Resp:	231663
Ion	Ratio	Lower	Upper
97	100		
99	62.8	44.0	81.6
83	84.3	59.0	109.6
85	55.5	38.9	72.2



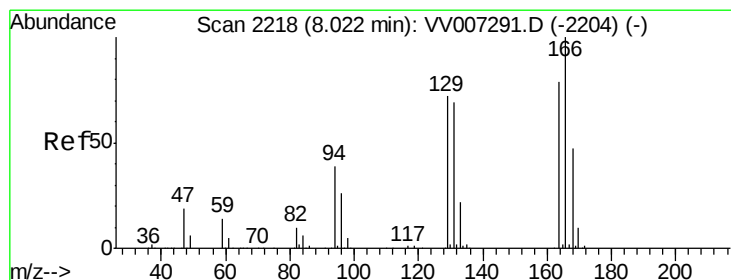
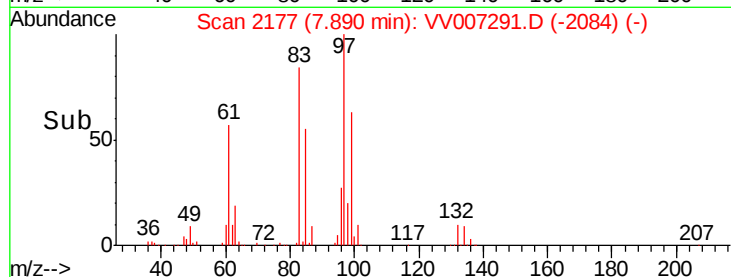
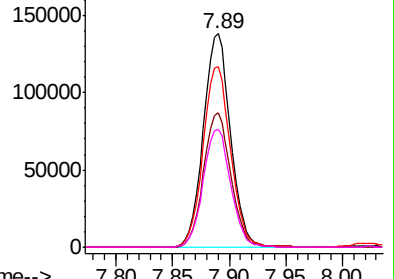
Abundance

Ion 97.00 (96.70 to 97.70): VV007291.D (-2161) (-)

Ion 99.00 (98.70 to 99.70): VV007291.D (-2161) (-)

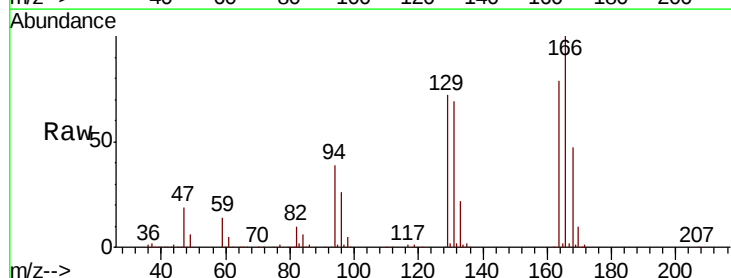
Ion 83.00 (82.70 to 83.70): VV007291.D (-2161) (-)

Ion 85.00 (84.70 to 85.70): VV007291.D (-2161) (-)



#46
 Tetrachloroethene
 Concen: 49.822 ug/L
 RT: 8.02 min Scan# 2218
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion:	164	Resp:	185777
Ion	Ratio	Lower	Upper
164	100		
129	92.1	64.5	119.7
131	87.5	61.2	113.8
166	127.3	89.1	165.5



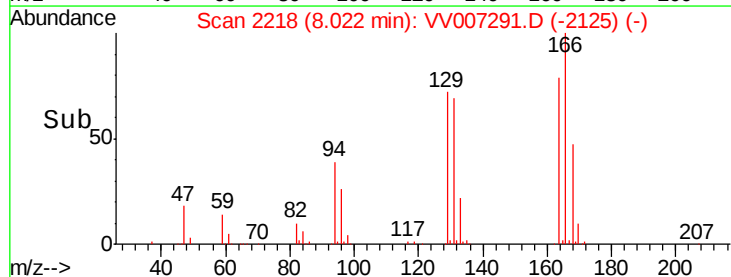
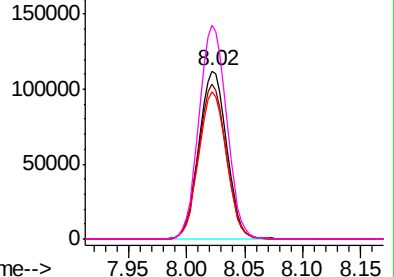
Abundance

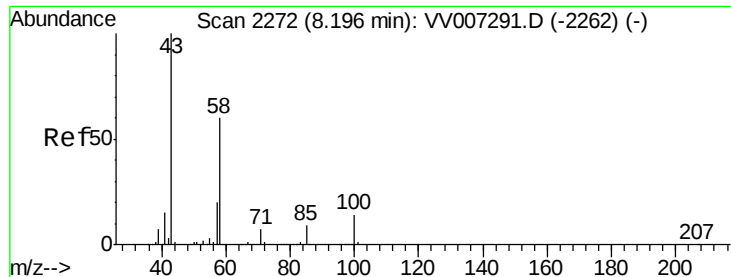
Ion 164.00 (163.70 to 164.70): VV007291.D (-2204) (-)

Ion 129.00 (128.70 to 129.70): VV007291.D (-2204) (-)

Ion 131.00 (130.70 to 131.70): VV007291.D (-2204) (-)

Ion 166.00 (165.70 to 166.70): VV007291.D (-2204) (-)

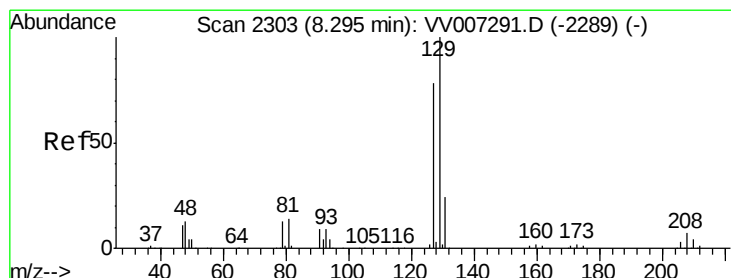
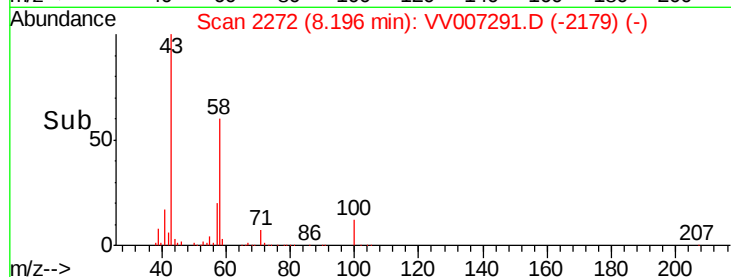
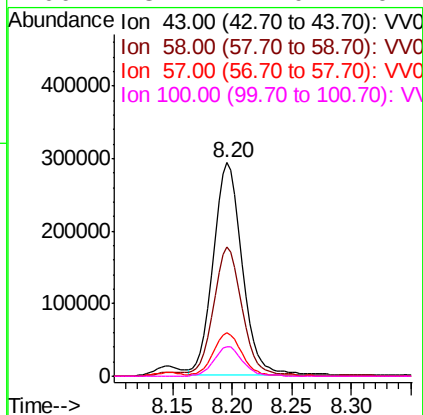
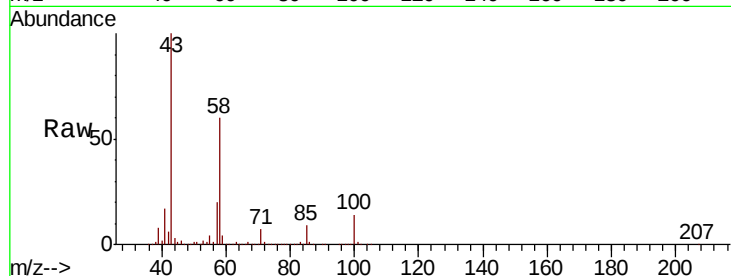




#48
2-Hexanone
Concen: 107.436 ug/L
RT: 8.20 min Scan# 2272
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

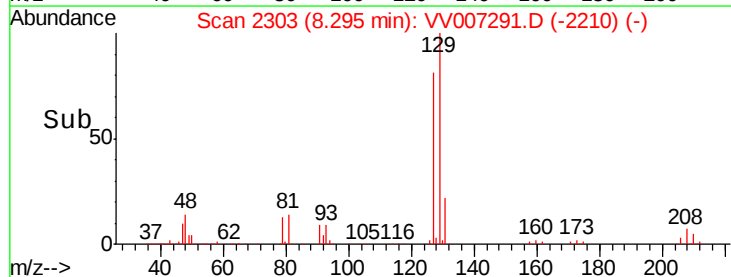
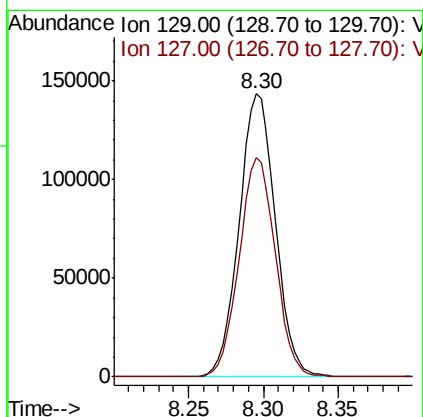
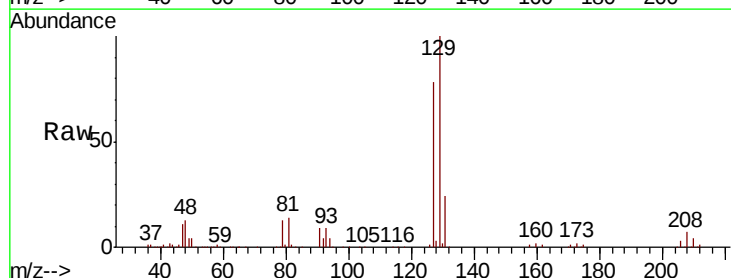
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

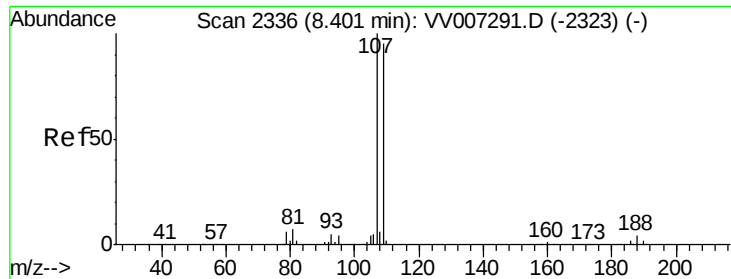
Tgt Ion:	43	Resp:	493793
Ion	Ratio	Lower	Upper
43	100		
58	60.2	48.2	72.4
57	19.9	15.9	23.9
100	13.7	11.0	16.4



#49
Dibromochloromethane
Concen: 51.537 ug/L
RT: 8.30 min Scan# 2303
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Tgt Ion:	129	Resp:	242385
Ion	Ratio	Lower	Upper
129	100		
127	77.7	54.4	101.0

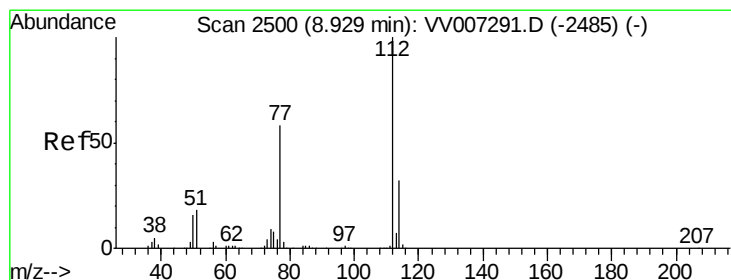
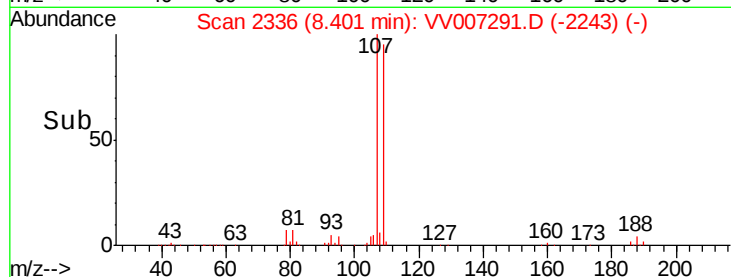
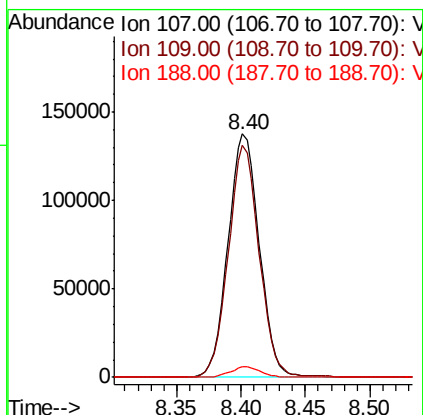
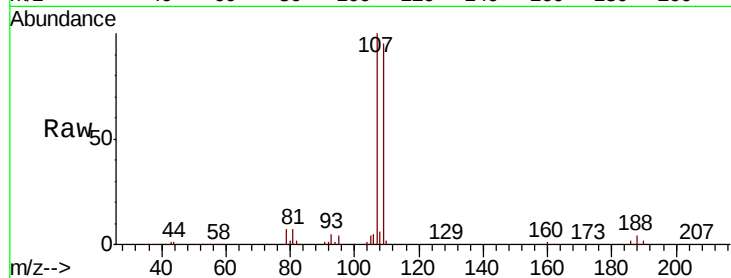




#50
1,2-Dibromoethane
Concen: 50.346 ug/L
RT: 8.40 min Scan# 2336
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

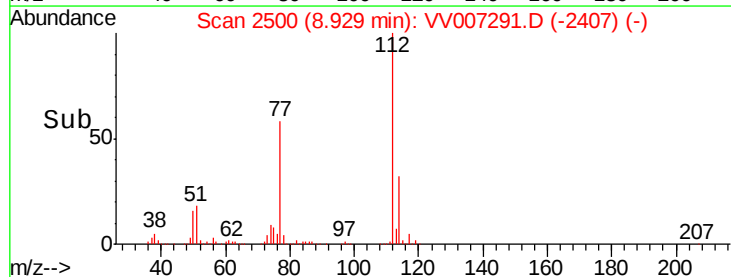
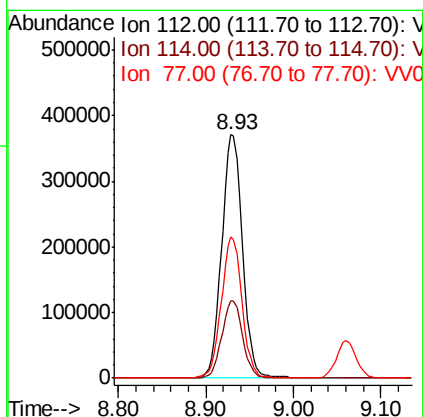
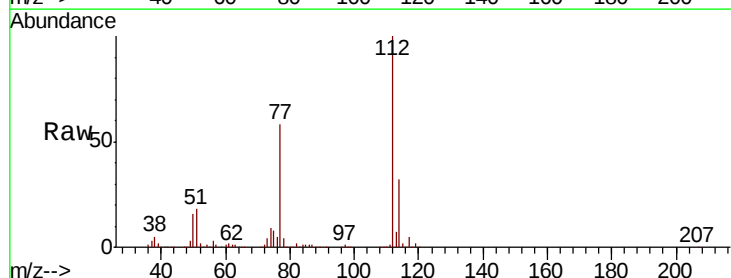
Instrument :
MSVOA_V
ClientSampleId :
VSTD05073

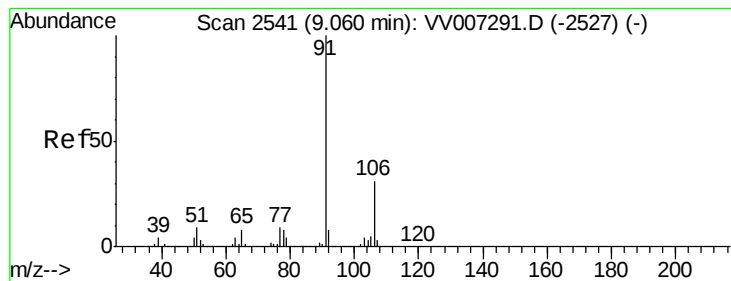
Tgt Ion:107 Resp: 231570
Ion Ratio Lower Upper
107 100
109 95.3 66.7 123.9
188 4.1 3.3 4.9



#51
Chlorobenzene
Concen: 50.173 ug/L
RT: 8.93 min Scan# 2500
Delta R.T. 0.00 min
Lab File: VV007291.D
Acq: 31 Aug 2018 10:32

Tgt Ion:112 Resp: 611299
Ion Ratio Lower Upper
112 100
114 32.0 22.4 41.6
77 57.8 46.2 69.4





#52

Ethylbenzene

Concen: 52.047 ug/L

RT: 9.06 min Scan# 2541

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

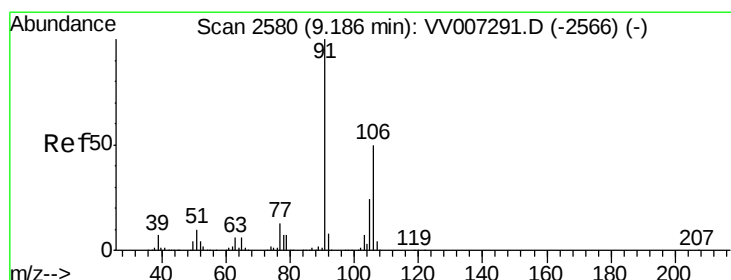
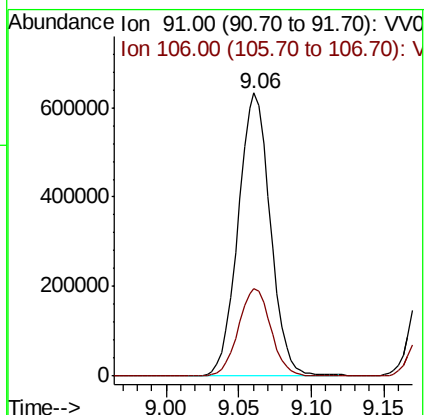
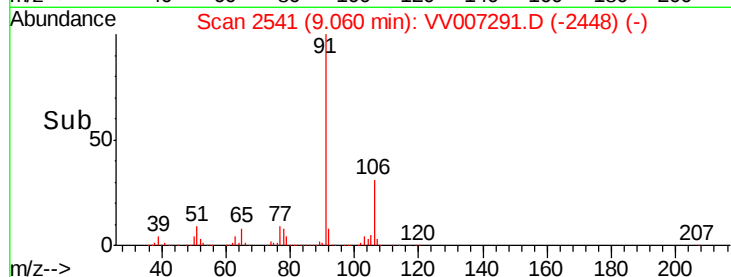
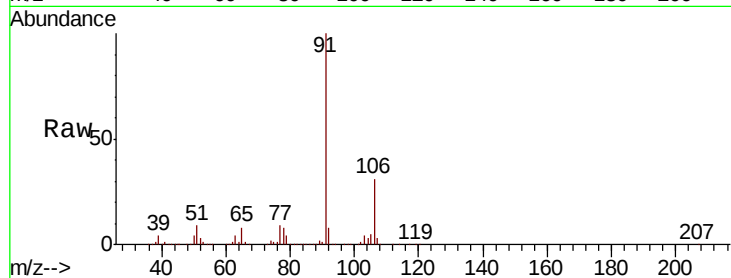
VSTD05073

Tgt Ion: 91 Resp: 975599

Ion Ratio Lower Upper

91 100

106 31.0 21.7 40.3



#53

m,p-Xylene

Concen: 53.101 ug/L

RT: 9.19 min Scan# 2580

Delta R.T. 0.00 min

Lab File: VV007291.D

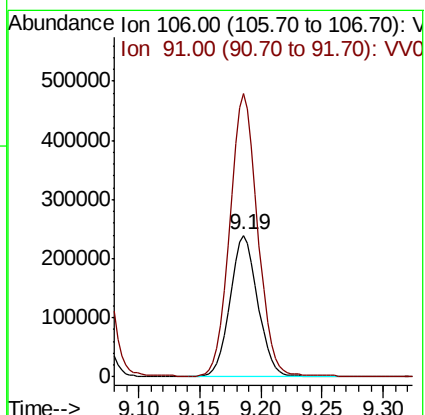
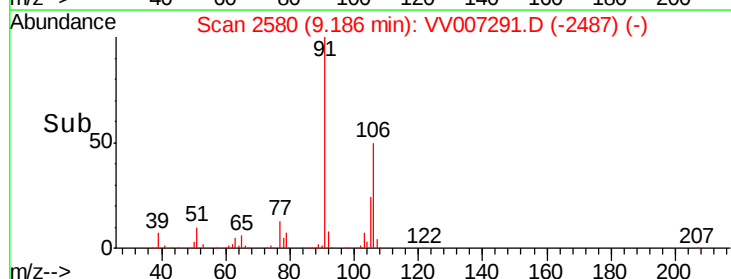
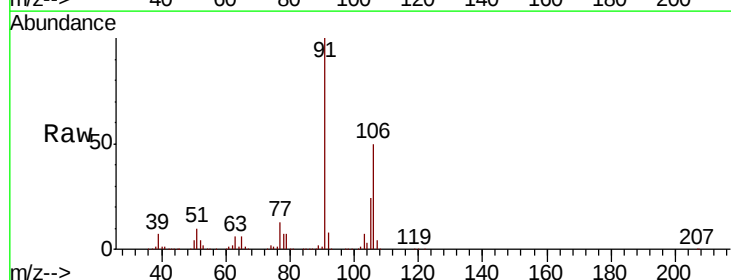
Acq: 31 Aug 2018 10:32

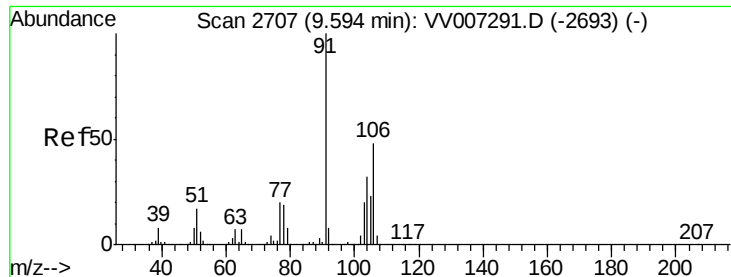
Tgt Ion: 106 Resp: 377238

Ion Ratio Lower Upper

106 100

91 200.2 140.1 260.3





#54

o-xylene

Concen: 52.991 ug/L

RT: 9.59 min Scan# 2707

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

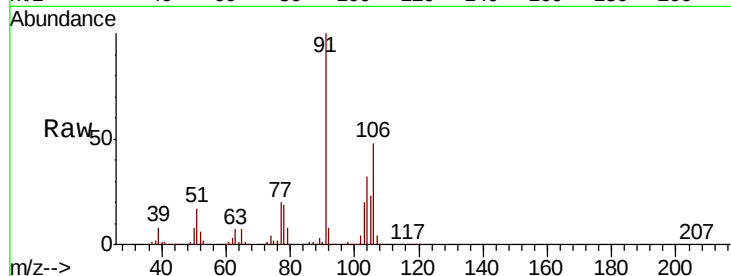
VSTD05073

Tgt Ion:106 Resp: 362631

Ion Ratio Lower Upper

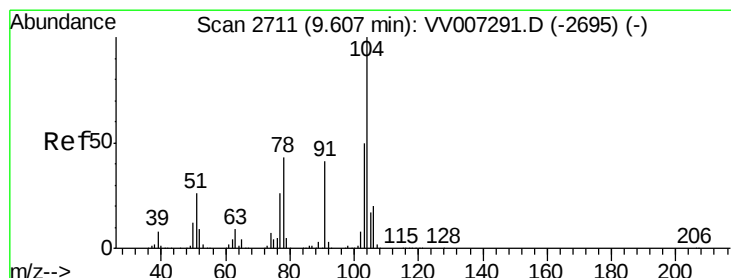
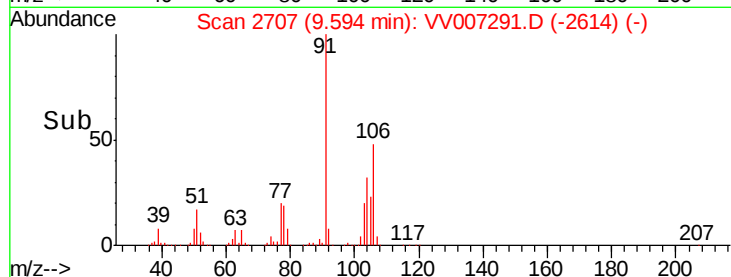
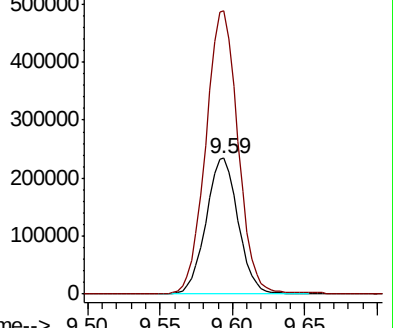
106 100

91 208.0 145.6 270.4



Abundance Ion 106.00 (105.70 to 106.70): V

Ion 91.00 (90.70 to 91.70): VV0



#55

Styrene

Concen: 56.614 ug/L

RT: 9.61 min Scan# 2711

Delta R.T. 0.00 min

Lab File: VV007291.D

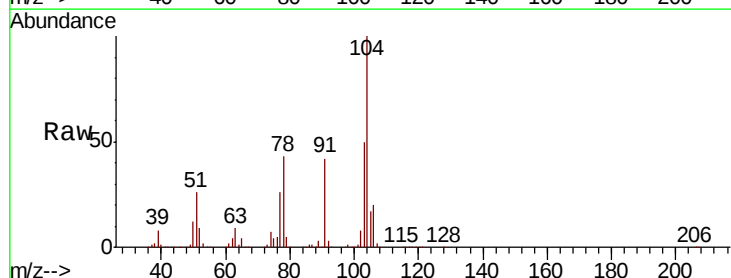
Acq: 31 Aug 2018 10:32

Tgt Ion:104 Resp: 668587

Ion Ratio Lower Upper

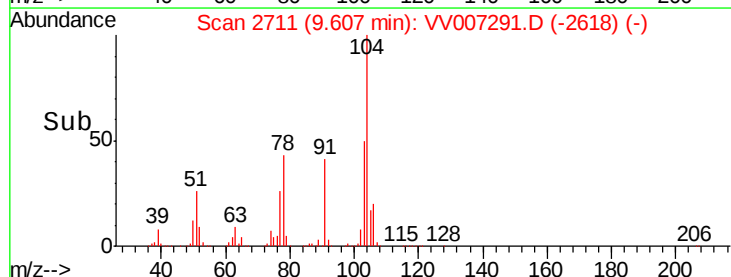
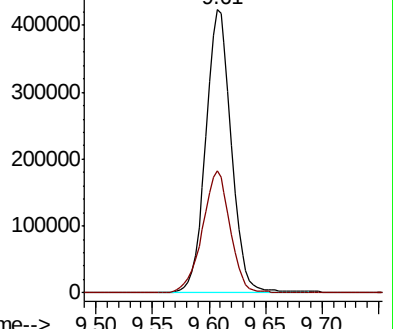
104 100

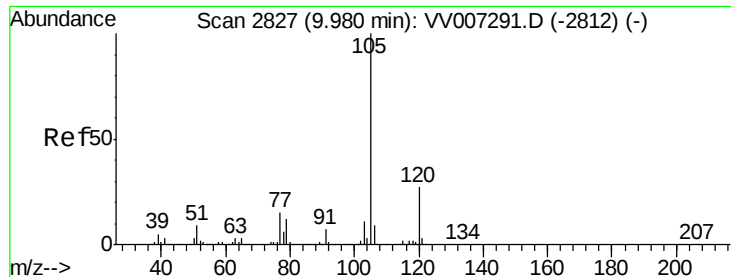
78 43.1 30.2 56.0



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VV0





#56

Isopropylbenzene

Concen: 52.961 ug/L

RT: 9.98 min Scan# 2827

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

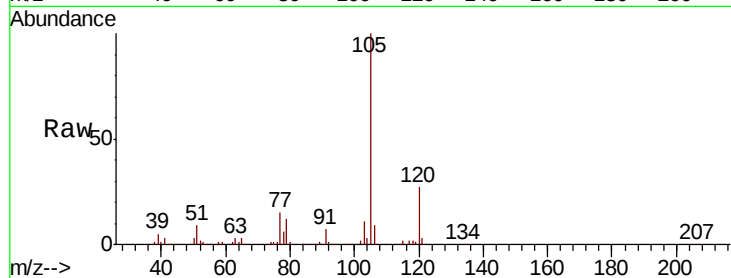
Tgt Ion: 105 Resp: 925014

Ion Ratio Lower Upper

105 100

120 26.6 21.3 31.9

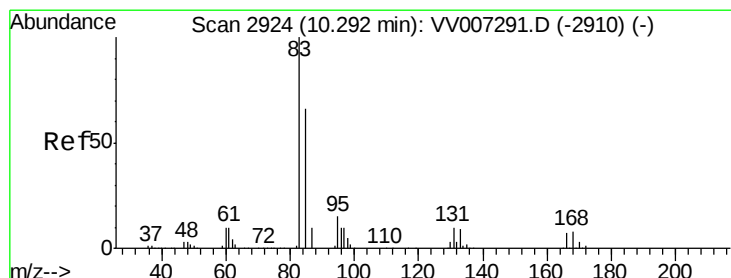
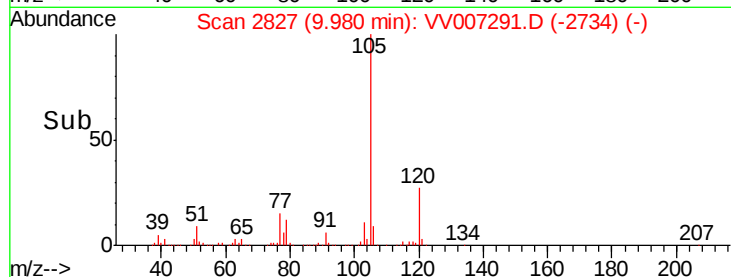
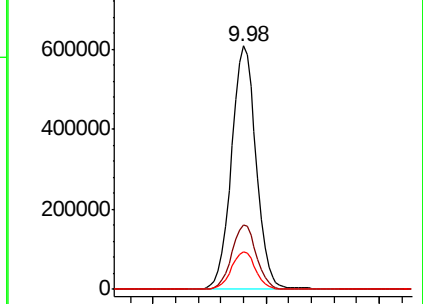
77 15.1 12.1 18.1



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: 49.972 ug/L

RT: 10.29 min Scan# 2924

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

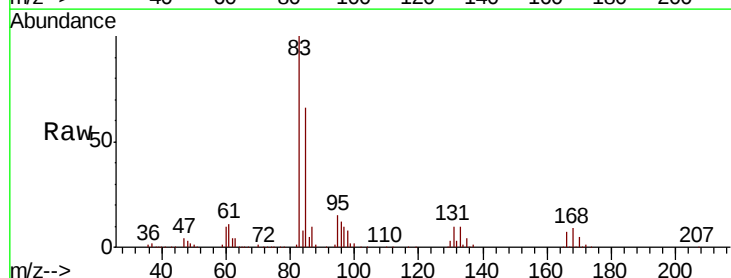
Tgt Ion: 83 Resp: 375265

Ion Ratio Lower Upper

83 100

85 65.8 46.1 85.5

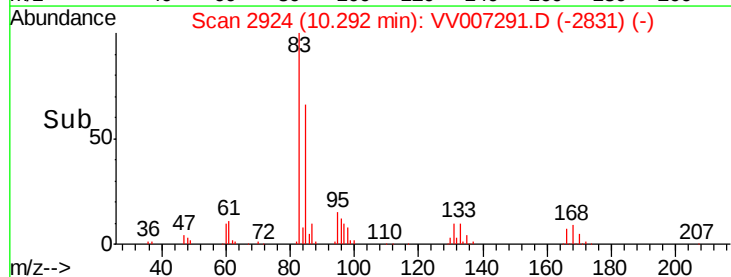
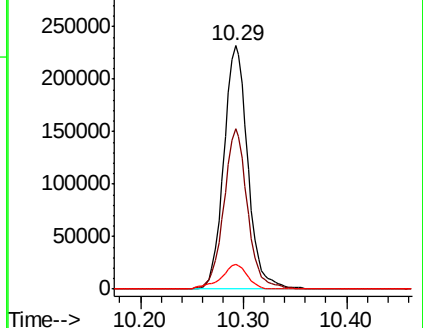
131 9.9 7.9 11.9

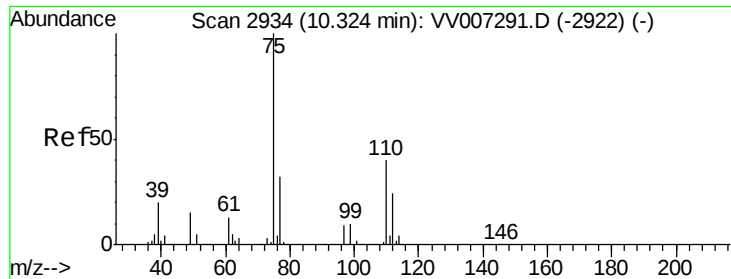


Abundance Ion 83.00 (82.70 to 83.70): V

Ion 85.00 (84.70 to 85.70): V

Ion 131.00 (130.70 to 131.70): V

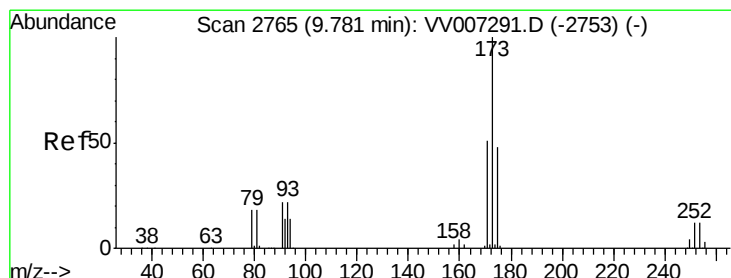
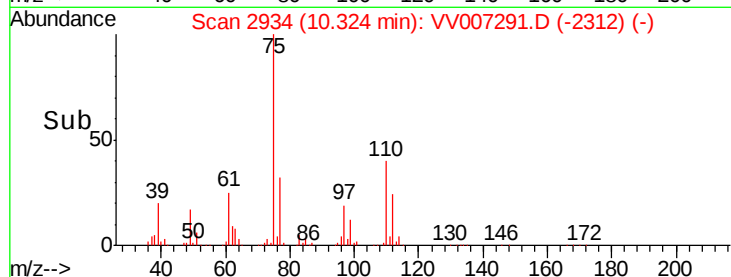
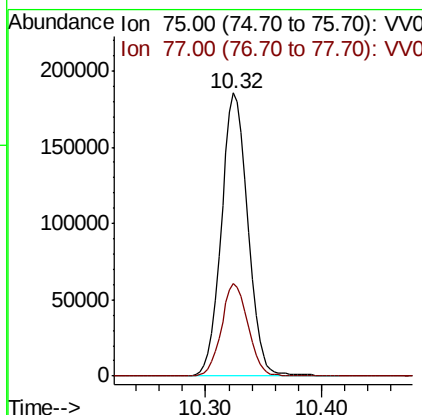
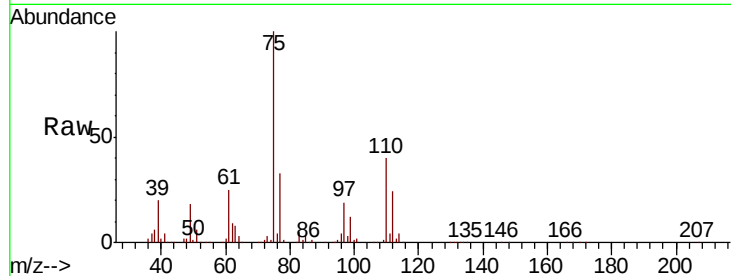




#59
 1,2,3-Trichloropropane
 Concen: 49.291 ug/L
 RT: 10.32 min Scan# 2934
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

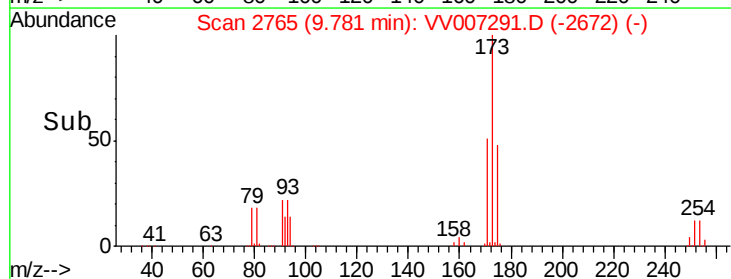
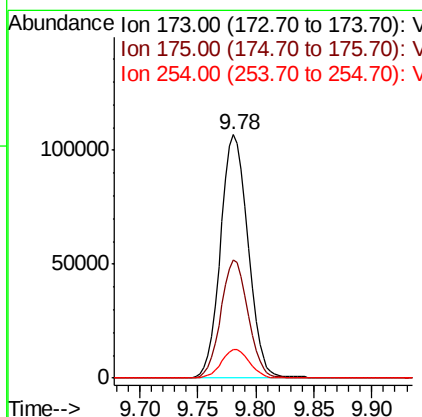
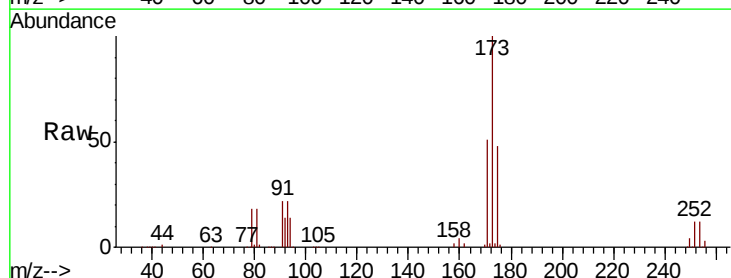
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

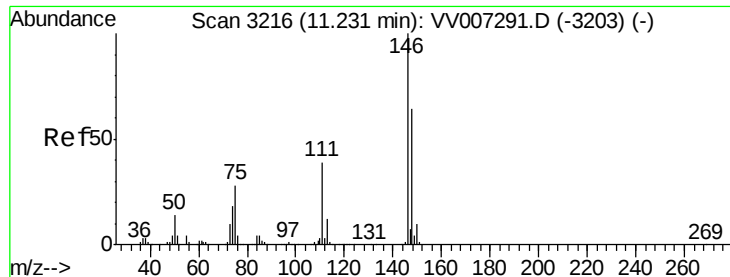
Tgt Ion: 75 Resp: 295637
 Ion Ratio Lower Upper
 75 100
 77 32.4 25.9 38.9



#61
 Bromoform
 Concen: 50.587 ug/L
 RT: 9.78 min Scan# 2765
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion: 173 Resp: 176151
 Ion Ratio Lower Upper
 173 100
 175 47.9 38.3 57.5
 254 11.8 9.4 14.2





#62

1,3-Dichlorobenzene

Concen: 47.857 ug/L

RT: 11.23 min Scan# 3216

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

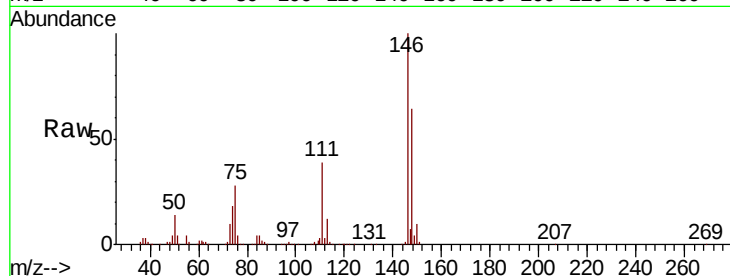
Tgt Ion:146 Resp: 419050

Ion Ratio Lower Upper

146 100

111 38.9 27.2 50.6

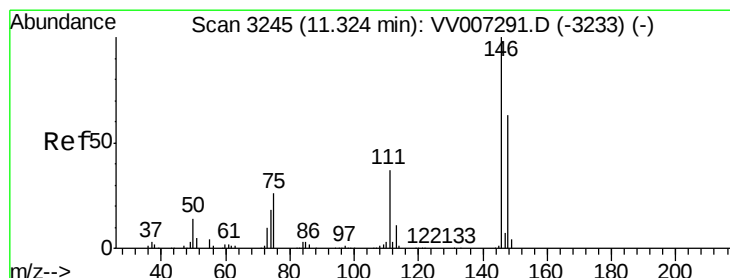
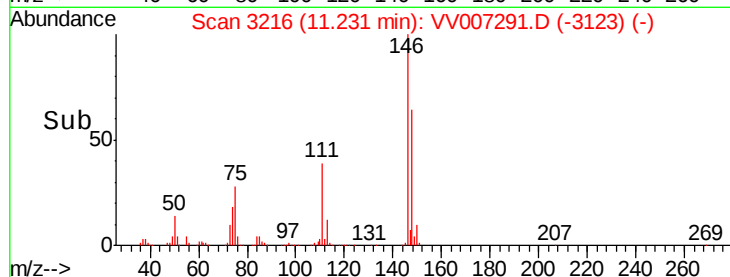
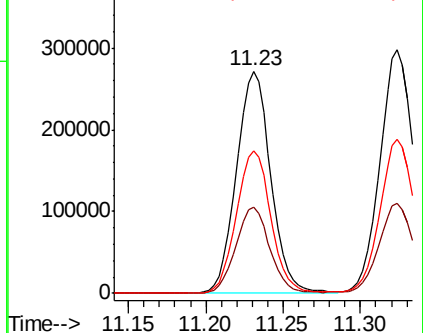
148 64.4 45.1 83.7



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: 48.734 ug/L

RT: 11.32 min Scan# 3245

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

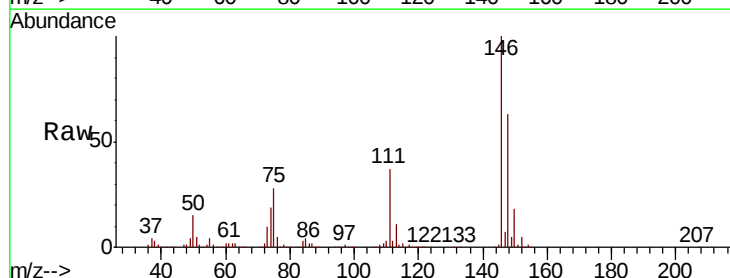
Tgt Ion:146 Resp: 461676

Ion Ratio Lower Upper

146 100

111 36.9 25.8 48.0

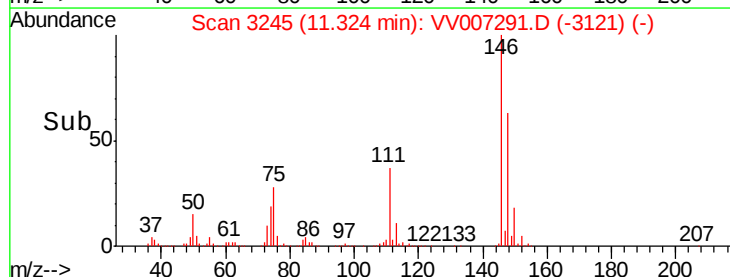
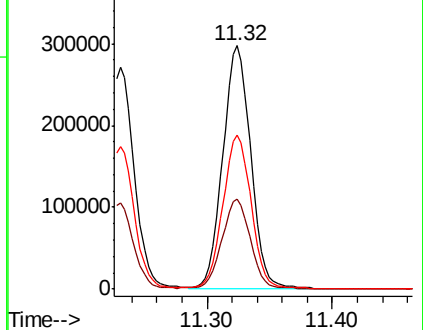
148 63.2 44.2 82.2

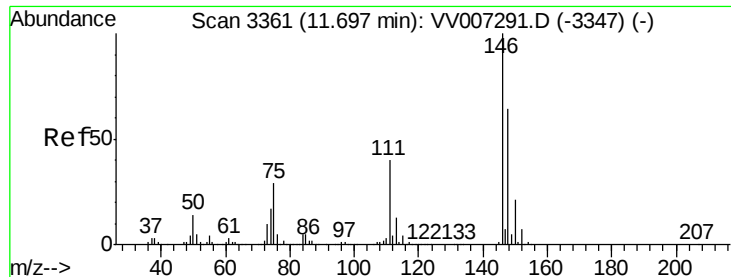


Abundance Ion 146.00 (145.70 to 146.70): V

Ion 111.00 (110.70 to 111.70): V

Ion 148.00 (147.70 to 148.70): V





#65

1,2-Dichlorobenzene

Concen: 49.976 ug/L

RT: 11.70 min Scan# 3361

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

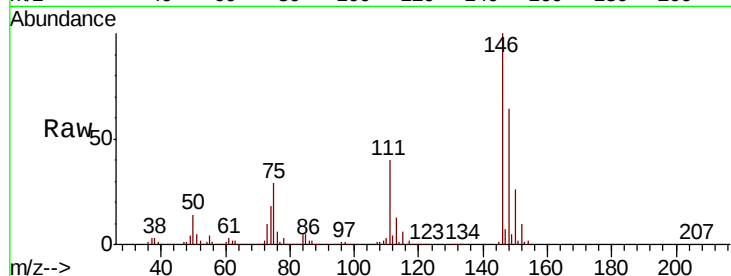
Tgt Ion:146 Resp: 471179

Ion Ratio Lower Upper

146 100

111 40.2 32.2 48.2

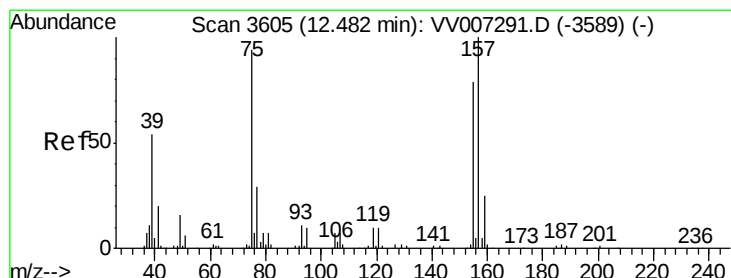
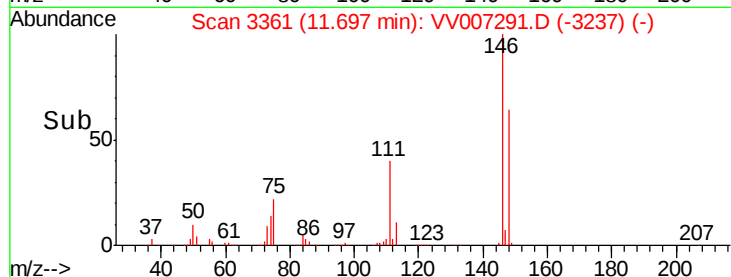
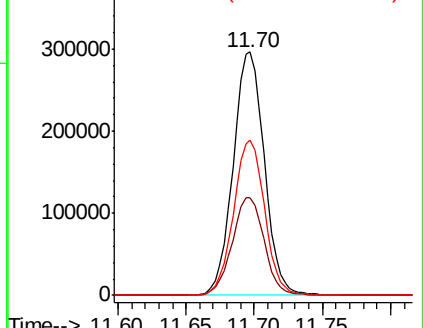
148 63.9 51.1 76.7



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



#66

1,2-Dibromo-3-chloropropane

Concen: 53.506 ug/L

RT: 12.48 min Scan# 3605

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

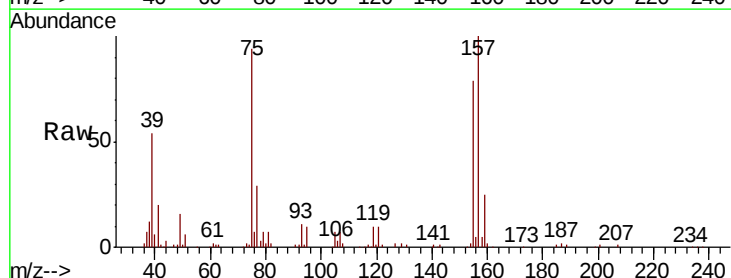
Tgt Ion: 75 Resp: 73594

Ion Ratio Lower Upper

75 100

155 83.9 67.1 100.7

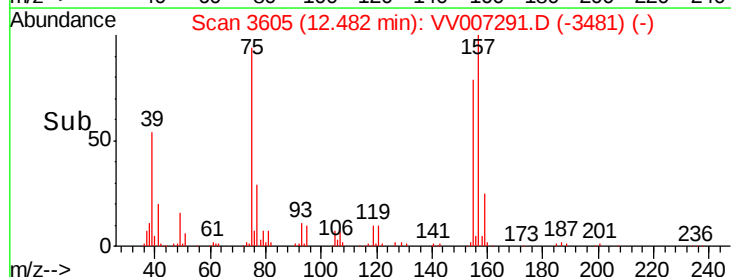
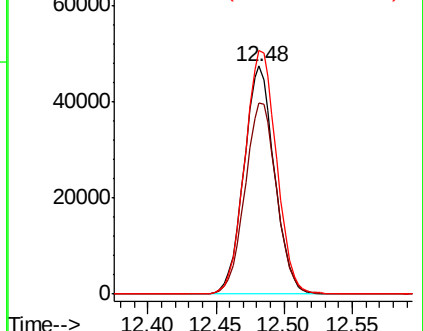
157 106.8 85.4 128.2

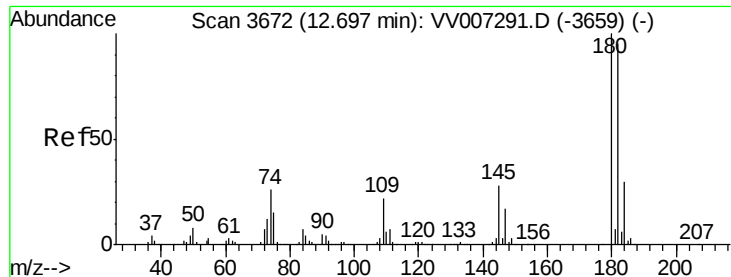


Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 155.00 (154.70 to 155.70): V

Ion 157.00 (156.70 to 157.70): V

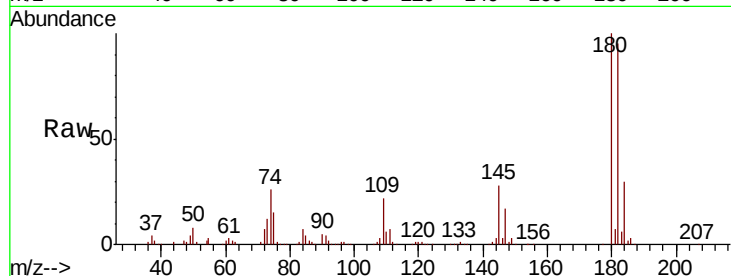




#67
 1,3,5-Trichlorobenzene
 Concen: 50.577 ug/L
 RT: 12.70 min Scan# 3672
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTD05073

Tgt Ion:	180	Resp:	326531
Ion	Ratio	Lower	Upper
180	100		
182	96.1	76.9	115.3
184	30.1	24.1	36.1
145	27.9	22.3	33.5



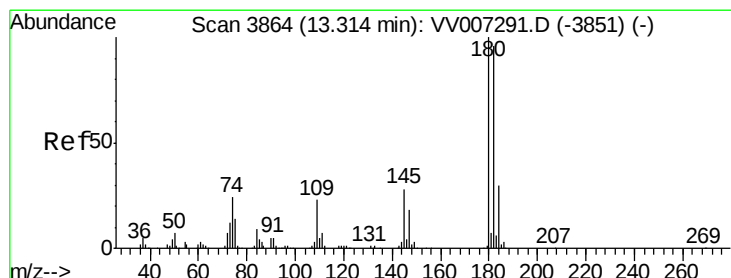
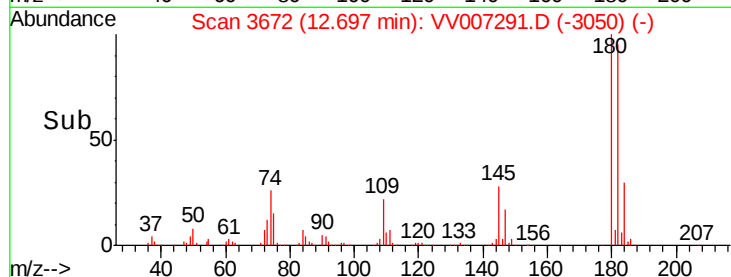
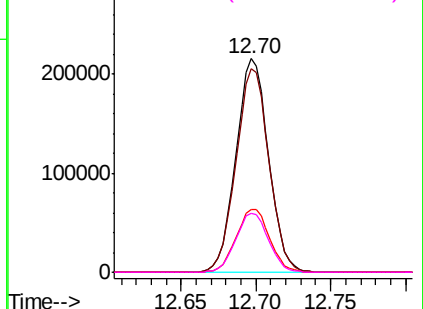
Abundance

Ion 180.00 (179.70 to 180.70): V

Ion 182.00 (181.70 to 182.70): V

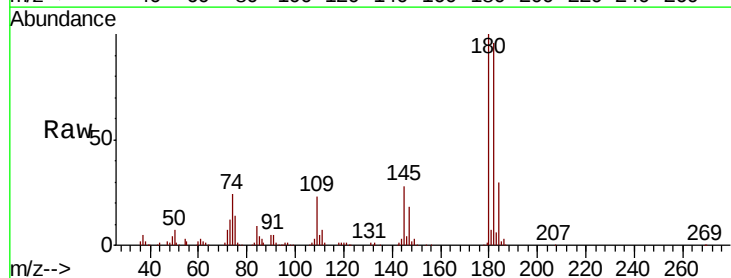
Ion 184.00 (183.70 to 184.70): V

Ion 145.00 (144.70 to 145.70): V



#68
 1,2,4-trichlorobenzene
 Concen: 52.744 ug/L
 RT: 13.31 min Scan# 3864
 Delta R.T. 0.00 min
 Lab File: VV007291.D
 Acq: 31 Aug 2018 10:32

Tgt Ion:	180	Resp:	259106
Ion	Ratio	Lower	Upper
180	100		
182	96.5	77.2	115.8
145	28.5	22.8	34.2

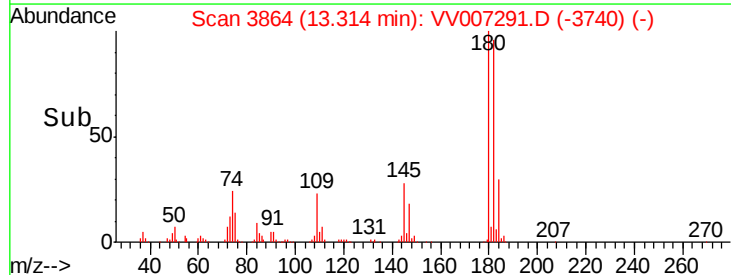
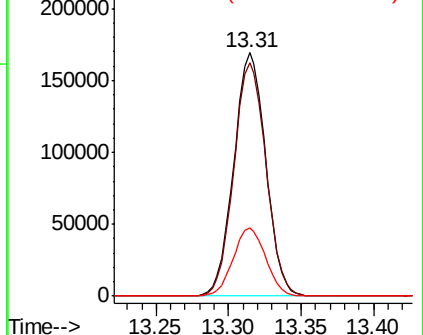


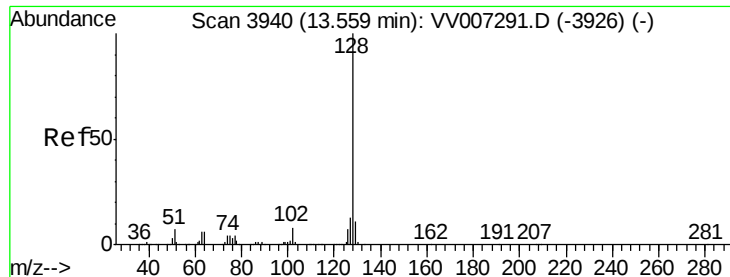
Abundance

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: 55.306 ug/L

RT: 13.56 min Scan# 3940

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

Instrument :

MSVOA_V

ClientSampleId :

VSTD05073

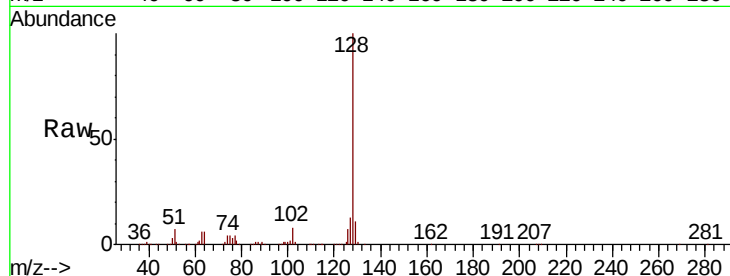
Tgt Ion:128 Resp: 763716

Ion Ratio Lower Upper

128 100

127 13.2 10.6 15.8

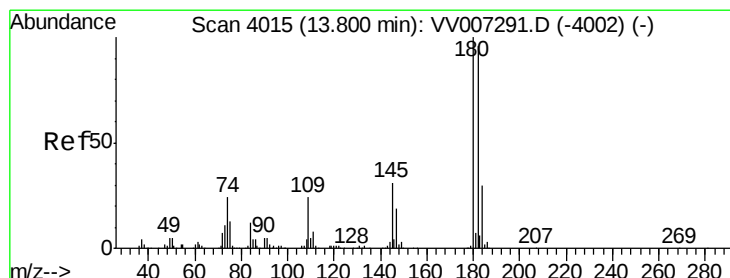
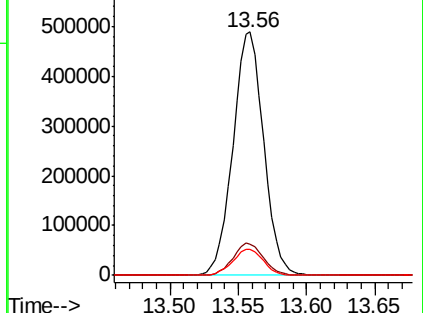
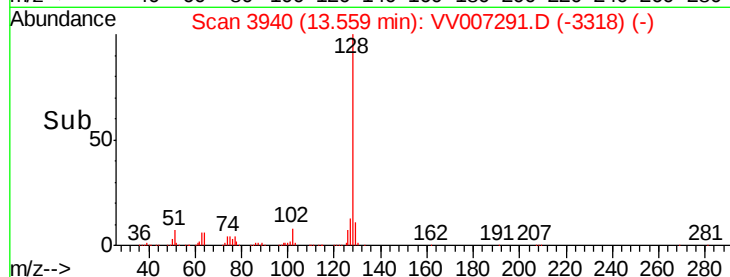
129 10.8 8.6 13.0



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



#70

1,2,3-Trichlorobenzene

Concen: 56.080 ug/L

RT: 13.80 min Scan# 4015

Delta R.T. 0.00 min

Lab File: VV007291.D

Acq: 31 Aug 2018 10:32

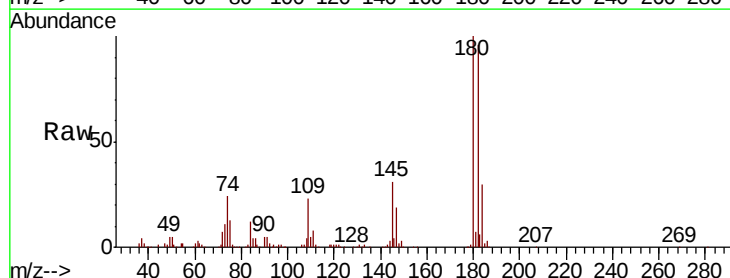
Tgt Ion:180 Resp: 298158

Ion Ratio Lower Upper

180 100

182 95.1 76.1 114.1

145 30.5 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

